

MATEMATIKA

*Umumy orta bilim berýän
mekdepleriň
3-nji synpy üçin derslik*

3

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bilimi ministrligi tarapyndan neşire hödürlenildi

Täze neşir



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ŞERTLI GELGILER:



— dilden ýerine ýetirýäris



— ýada salýarys



— bilelikde ýerine ýetirýäris



— akyly ýiteldýäris



— täze maglumatlar



— berkidýäris



— amaly ýumuş



— öýde ýerine ýetirýäris

MAZMUNY

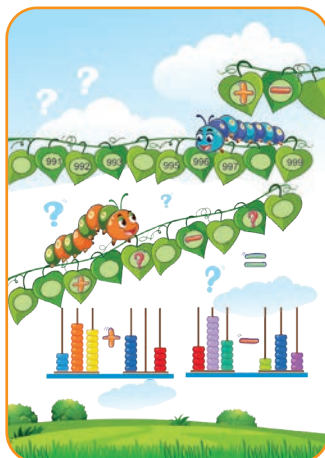
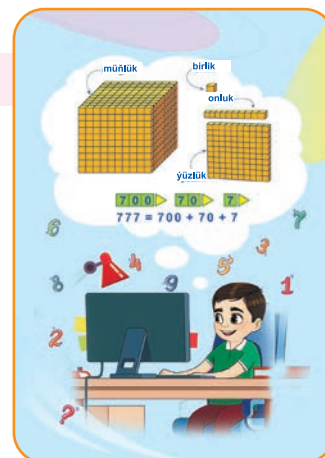


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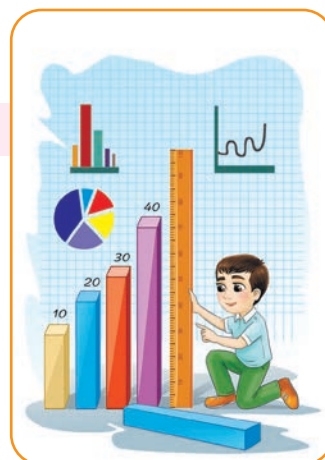
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3-NJI SYNP «MATEMATIKA» DERSLIGI ÜÇIN TÄLIME DEGIŞLI OÝUNLAR





1-nji ders

Iki belgili sanlary goşmak

1.  Haýsy sanlar düşürilip galdyrylan? Olar jübütmi ýa-da täkmi?

66, 69, 72, __, 78, 81, 84

80, 73, 66, 59, __

77

76

73

75

53

57

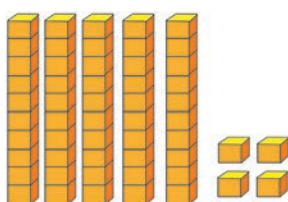
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49

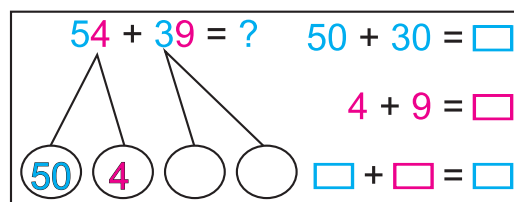
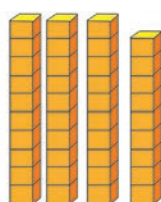
Jemi 24-e deň bolan iki belgili sanlary aýdýarys.

Iki belgili sanlary nähili goşandygymyzy ýada salyp bilýärismi?

2.  Hasaplamalary ýerine ýetirýäris.



+



$$\begin{array}{r} 54 \\ + 39 \\ \hline \end{array}$$

$$27 + 51$$

$$48 + 36$$

$$78 + 15$$

$$56 + 29$$

$$65 + 27$$

$$82 + 18$$

Men jemi şeýle hasaplaýaryn, hany aýdyň, bu dogrymy?

$$\begin{array}{r} 54 \\ + 39 \\ \hline 813 \end{array}$$

3.  Men duran wagon, otlunyň başyndan hasaplada 4-nji wagon, soňundan hasaplada 11-nji wagonlygy mälim bolsa, otlunyň jemi wagonlarynyň sany näçe sany?

4.  Uçar jisime deň agyrylykdaky goýunlary saýlaýarys.

Haýsylaryny
ýüklemek
mümkin?



5.  Jemleri tapýarys.

$$\begin{array}{r} 25 \\ + 30 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ + 67 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ + 74 \\ \hline \end{array}$$

6.  Hasaplaýarys.

$$\begin{array}{r} 36 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ + 49 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ + 38 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ + 45 \\ \hline \end{array}$$

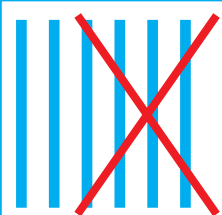
$$\begin{array}{r} 24 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ + 17 \\ \hline \end{array}$$

2-nji ders

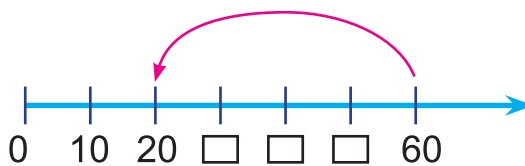
Iki belgili sanlary aýyrmak

1.  Kim tiz hasaplaýar?



6 sany onlukdan
4 sany onlugu
aýyranda, näçe sany
onluk galar?

6 onl. – 4 onl. = ? onl.
60 – 40 = ?



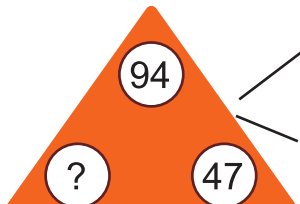
$$60 - \square = 20$$

$$70 - 20$$

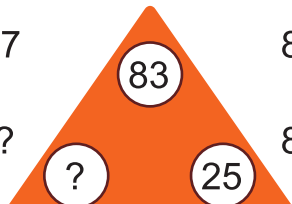
$$60 - 30$$

$$90 - 50$$

2.  Aýyrmak amaly nähili ýerine ýetirilişini ýadymyza salýarys. Näbelli sanlary tapýarys.



$94 - x = 47$
 $94 - 47 = ?$



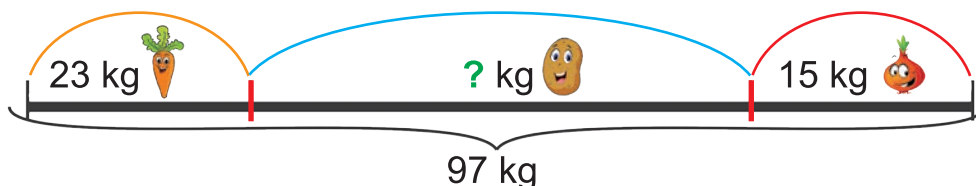
$$83 - \square = 25$$

$$\square + \square = \square$$

$$83 - 25 = \square$$

$$\square + \square = \square$$

3.  Dükana näçe kilogram ýeralma getiripdirler? Aňlatmalar nämäni aňladýar?

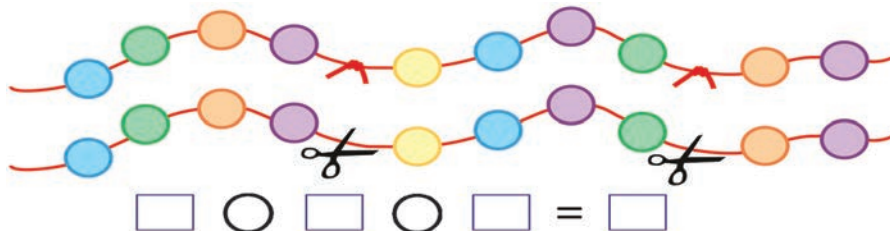


$$97 - (23 + 15) = \square$$

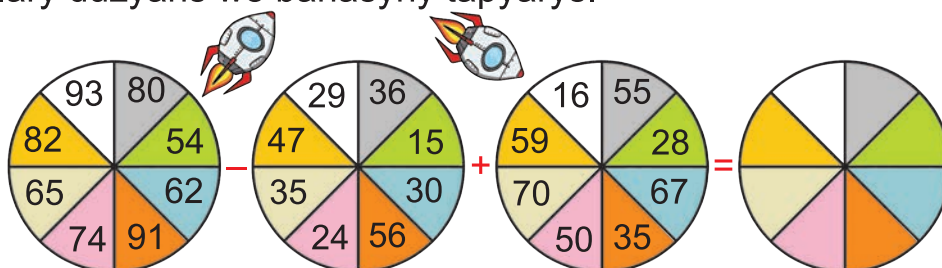
$$97 - \square - 15 = \square$$

$$97 - 23 - \square = \square$$

4.  Surat esasynda aňlatmalar düzýäris. Kim köpräk düzýär?



5.  Tegeleklerde berlen meňzeş reňkdäki sanlaryň arasynda aňlatmalary düzýäris we bahasyny tapýarys.



6. Añlatmalary deñeşdirýäris.

$$88 - 55 - 13 \bigcirc 88 - 55 - 15$$

$$18 + 27 + 52 \bigcirc 32 + 27 + 29$$

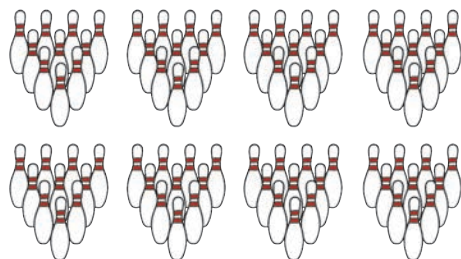
$$63 - (43 - 33) \bigcirc 63 - (46 - 37)$$

$$36 + (90 - 41) \bigcirc 99 - (61 - 47)$$

3-nji ders

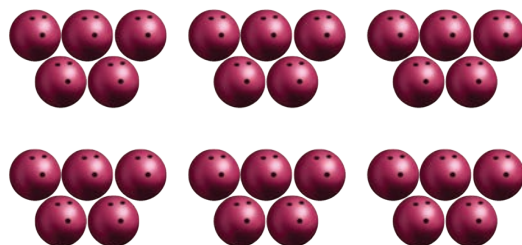
Köpeltmek

1.  Kegli we bowling şarlary näçe sanydan toparlara bölünen?
10 sanylap sanaýarys



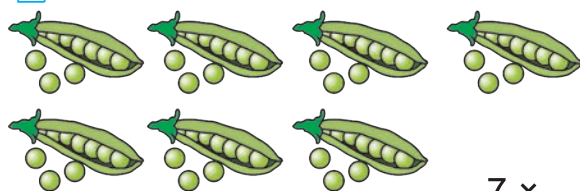
Jemi kegliler näçe sany?

5 sanylap sanaýarys



Jemi bowling şarlary näçe sany?

2.  Her bir bogyda näçe sanydan nohut bar? Jemi nohutlar näçe sany?



$$7 \times \underline{\quad} = \underline{\quad}$$

$$7 \times \square = \square$$

$$\square \times 7 = \square$$

$$4 \times \square = 40$$

$$\square \times 4 = 40$$

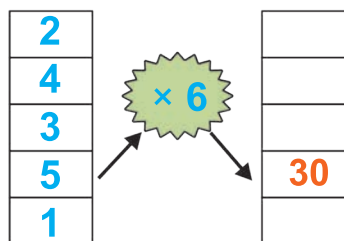
$$3 \times \square = 30$$

$$\square \times 3 = 30$$

3.  Jedwelden peýdalanyp boş öýjüklere laýyk gelyän sanlary tapýarys.

Pifagor jadweli

	2	3	4	5	6	7	8	9	
2	4	6	8	10	12	14	16	18	2
3	6	9	12	15	18	21	24	27	3
4	8	12	16	20	24	28	32	36	4
5	10	15	20	25	30	35	40	45	5
6	12	18	24	30	36	42	48	54	6
7	14	21	28	35	42	49	56	63	7
8	16	24	32	40	48	56	64	72	8
9	18	27	36	45	54	63	72	81	9
	2	3	4	5	6	7	8	9	



$$6 \times 9$$

$$7 \times 8$$

$$8 \times 9$$

$$9 \times 6$$

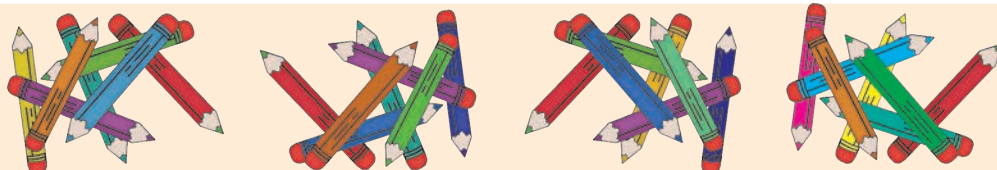
$$8 \times 7$$

$$9 \times 8$$

Nädiþ ýerine ýetirilen?

$9 \times 1 =$	9
$9 \times 2 =$	18
$9 \times 3 =$	27
$9 \times 4 =$	36
$9 \times 5 =$	45
$9 \times 6 =$	54
$9 \times 7 =$	63
$9 \times 8 =$	72
$9 \times 9 =$	81
$9 \times 10 =$	90

4.  Suratda teswirlenen galamlar toplamýndan näçe sanysy stola degmän durupdyr?



10

5. Deñlemeleri çözyäris.

$$b \times 6 = 24 \quad 7 \times x = 28 \quad d \times 4 = 28 \quad 8 \times y = 64 \quad a \times 9 = 72 \quad 9 \times c = 72$$

6. Hasaplaýarys.

$$6 \times 7 = \square$$

$$9 \times 4 = \square$$

$$5 \times \square = 45$$

$$\square \times 10 = 30$$

$$\square \times 6 = \square$$

$$4 \times \square = 36$$

$$\square \times 5 = \square$$

$$10 \times \square = \square$$

$$\square \div \square = 6$$

$$\square \div \square = 9$$

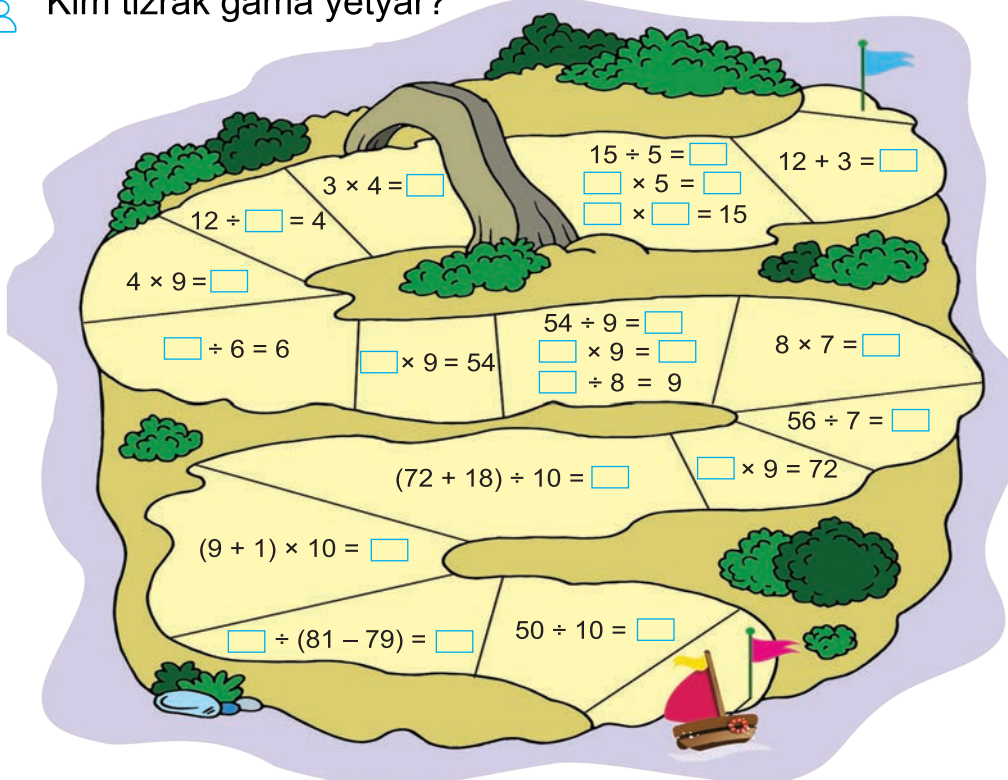
$$45 \div \square = \square$$

$$30 \div \square = \square$$

4-nji ders

Bölmek

1. Kim tizräk gämä ýetýär?



2. Töwerekleriň haýsy bölegi boýalan? Olary atlandyryýarys.



3. Şekiller nähili böleklere bölünen? Olar deñmi? Deñ böleklere bölünen şekilleri tapýarys we olary çyzýarys.



4. Hasaplaýarys.

$$72 \div 8$$

$$63 \div 7$$

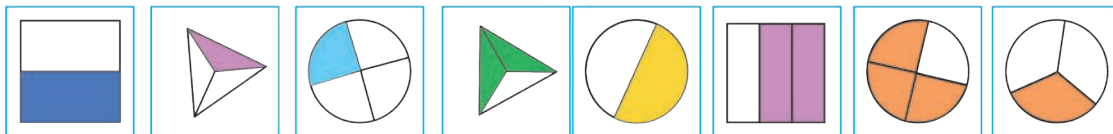
$$42 \div 6$$

$$50 \div 5$$

$$28 \div 4$$

$$27 \div 3$$

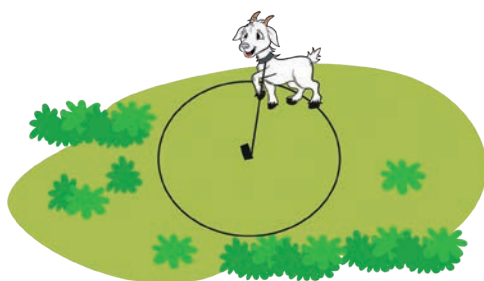
5.  Ҳарим ва қўйрек бўғи бўған шеклири тапўарис ва олар қўғарис.



5-nji ders

Geometrik şekiller we ölçegler

1.  Geçiniñ gazyk töweregindäki bir gezeklik hereketi nähili şekili emele getiren? Gazyk orny şekilde nämäni añladýar? Gazyk we geçä baglanan ýüp uzynlygy size nämäni ýatladyar?



Nämeler tegelege meñzeyär?



2.  Jogaplaryň haýsy birinde burçlar artýan tertibinde berlen? Burçlary şu tertipde çyzýarys.



1) Q, P, R, S

2) Q, R, P, S

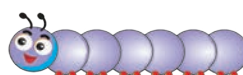
3) S, P, R, Q

4) S, R, P, Q

3.  Her bir mör-möjeginiñ uzynlygyny tapýarys. Olary bir hatara ýerleşdirende, jemi näçe santimetr bolar?



cm



cm

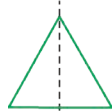


cm

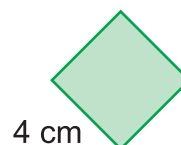
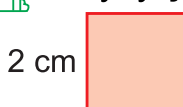
4.  Indiki şekili çyzýarys. Ol näçe sany kwadratdan ybarat?



5.  Şekilleriñ simmetrikligini barlaýarys.

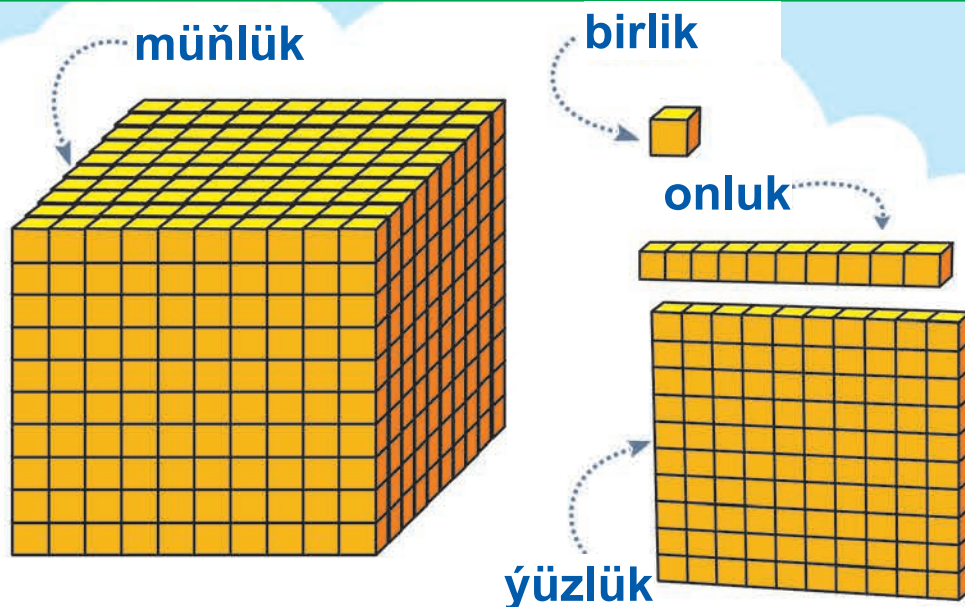


6.  Haýsy şekiliñ perimetri iň ulusy?



1-nji bap

ÜÇ BELGILI SANLAR. MÜŇLÜK



$$700 \triangleright 70 \triangleright 7$$

$$777 = 700 + 70 + 7$$

6

7

3

5

1

9

4

8

2

?



1-nji bap.
1-nji ders

Üç belgili sanlar

1.  100 sany nähili peýda boldy?

100 sany birlik → 10 sany onluk → 1 sany ýüzlük

Ýazylyşy →
Okalyşy →

ýüzlük	onluk	birlik
1	0	0
100		
ýüz		



100 sany birlikden 10 sany onluk, 10 sany onlukdan 1 sany ýüzlük peýda bolar.

2.  Peýda bolan sanlary ýazýarys we okaýarys.

onluklar we birlikler

10 onluk 2 birlik

102

3.  Sanlary sözler bilen aňladýarys: 103, 109, 111, 130, 142, 155.

4.  Berlen maşynlar näme üçin hyzmat eder?

Maşynlar	Ýazylyşy	Okalyşy	Maşynlar	Ýazylyşy	Okalyşy
					
					

5.  Sanlary okaýarys we ýazýarys.

– bir ýüz elli sekiz; – bir ýüz yetmiş alty; – bir ýüz on.

6.  Berlen sanlardan iki birlik öňki we baş birlik soňky sanlary aýdýarys.

123	155	172	194
-----	-----	-----	-----

7.  Sanlary sözler bilen ýazýarys.

107, 110, 109, 120, 121, 200, 203, 213, 220, 250.

1-nji bep.
2-nji ders

Üç belgili sanlar

1.  1. Berlen sanlarda 6 sany haýsy öýjük birliginde durupdyr?

567

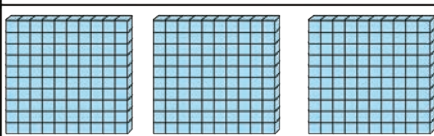
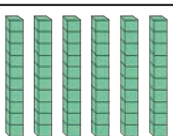
643

186

126

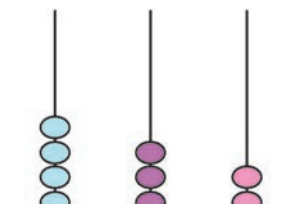
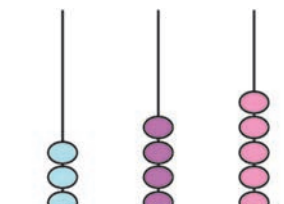
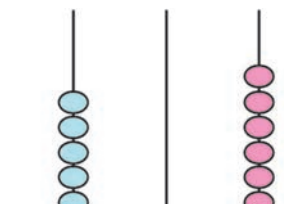
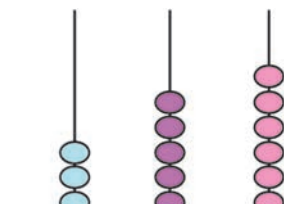
666

2.  Söz bilen aňladylan sany sifrlar bilen ýazýarys.
Bir ýyl üç ýüz altmyş baş günden ybarat.
Bu sanyň öýjük birliklerinde aňladýarys.

Ýüzlük	Onluk	Birlik
		
_____ ýüzlük	_____ onluk	_____ birlik

Iki ýüz segsen iki; üç ýüz otuz dokuz; dört ýüz doksan alty.

3.  Nusga esasynda berlen sanlary ýazýarys we okaýarys.

			
ýüzlük onluk birlik	ýüzlük onluk birlik	ýüzlük onluk birlik	ýüzlük onluk birlik
432			
dört ýüz otuz iki			

4.  Balalarylar görkezýän sanlardan diňe bir gezekden peýdalanyp iň kiçi we iň uly üç belgili san düzýäris.



5.  Sanlary artýan tertibinde ýerleşdiriň. Haýsy san 170 sanyna ýakynrak?



15

6.  Sanlar şöhlesinde berlen boş öýjükleri doldurýars. Sanlar näçe sanydan artyp barýar? Sanlar hataryny dowam etdirýäris.



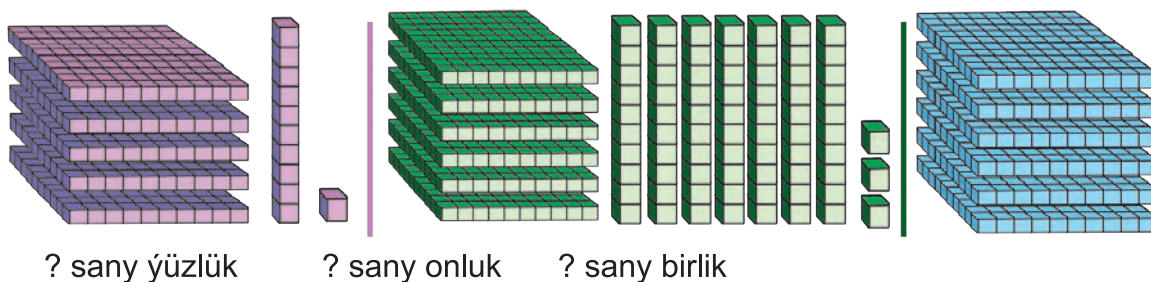
7.  Sanlar bilen ýazýars we okaýars.

Iki ýüz yetmiş baş, üç ýüz on, dört ýüz, üç ýüz ýigirmi iki, üç ýüz togsan bir, dört ýüz kyrk dört, bir ýüz altmyş, iki ýüz alty.

1-nji bab.
3-nji ders

Üç belgili sanlar

1.  1. Haýsy sanlar peýda boldy? Olary okaýars we ýazýars.



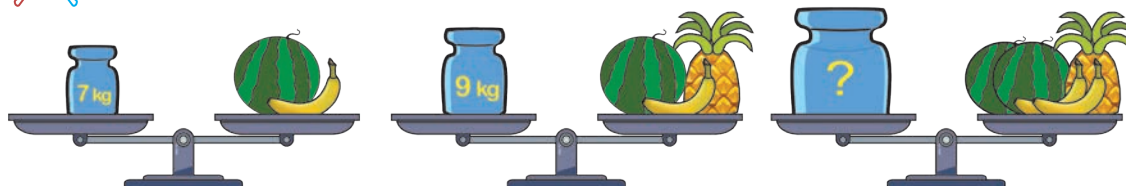
2.  Hasaplaýars.

$92 - 43$ $76 + 18$ $81 - 77$ $68 - 49$ $91 - 67$ $47 + 28$ $67 + 8$

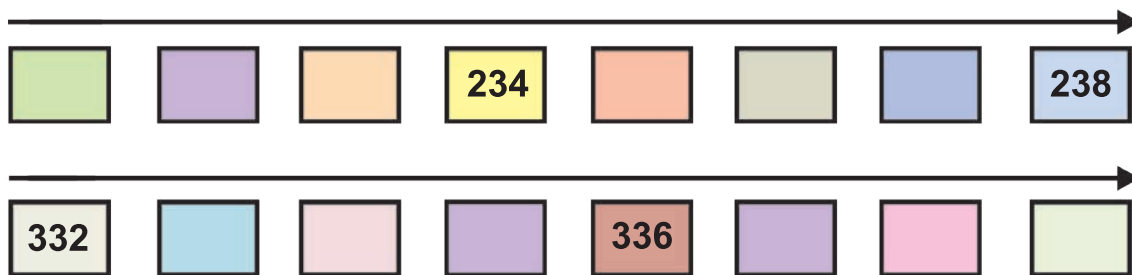
3.  Jedweli doldurýars.

	Ýazylyşy	Okalyşy
1 ýüzlük 2 onluk 1 birlik	121	Bir ýüz ýigirmi bir
4 ýüzlük 6 onluk 3 birlik		
3 ýüzlük 9 onluk 6 birlik		
6 ýüzlük 0 onluk 5 birlik		
5 ýüzlük 7 onluk 0 birlik		
0 ýüzlük 8 onluk 2 birlik		

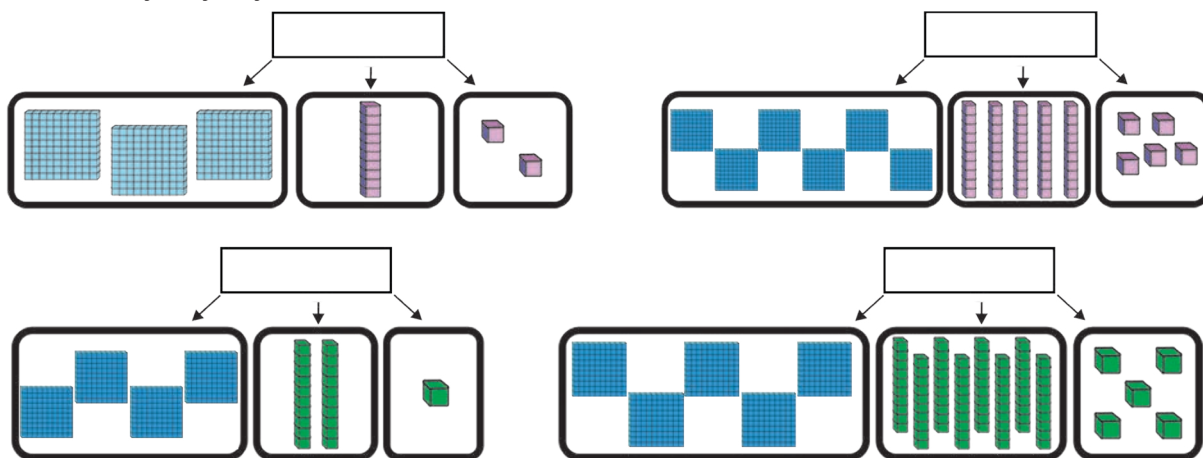
4.  Näbelli massa näçe kilogram?



5. Sanlar hataryny doldurýars.



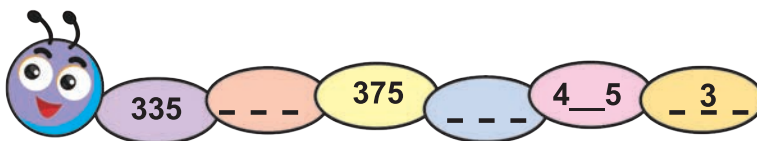
6. Emele gelen sanlary öýjük birliklerinde aňladýars we sözler bilen ýazýars.



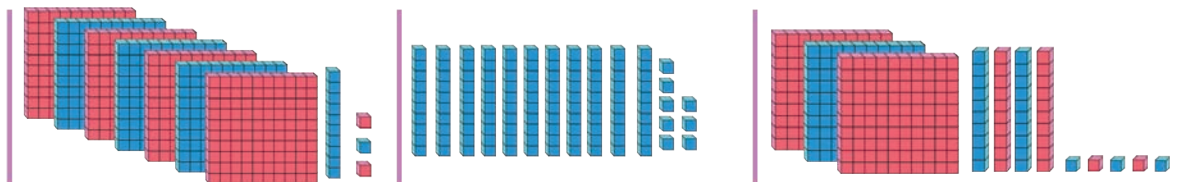
1-nji bab.
4-nji ders

Üç belgili sanlar

1. Düşürlip galdyrylan sanlary tapýars.



2. Peýda bolan sanlary ýazýars.



3. Sanlara laýyk sözleri tapyp okaýars we ýazýars.

765 450 306 128 800
659 133 788 555

bir ýüz otuz üç
alty ýüz elli dokuz ýedi ýüz altmyş baş
ýedi ýüz segsen sekiz baş ýüz elli baş
dört ýüz elli sekiz ýüz üç ýüz alty
bir ýüz ýigirmi sekiz

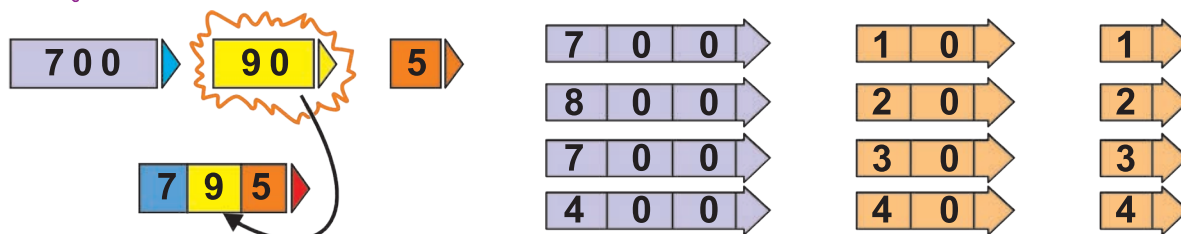
4.  Haýsy sifri ýazmak üçin köpräk tegelek ulanylan?



5.  Hasaplaýarys.

$$\begin{array}{llll} (91 - 67) + 12 & (76 - 69) \times 8 & 64 \div (53 - 45) & 23 + (84 - 45) \\ 6 \times (98 - 89) & (34 + 38) \div 9 & 7 \times (92 - 84) & (73 - 66) \times 9 \end{array}$$

6.  Nusga görä kartoçkalaryň kömeginde sanlary peýda edýäris.



7.  Her sifrdan diňe bir gezek peýdalanyň, üç belgili sanlary düzýäris. Sizde näçe sany boldy?



1-nji bap.
5-nji ders

Üç belgili sanlar

1. 

Sanlardaky 8 sany nähili öýjük birliğini aňladýar?

Ýüzlükler öýjüginde 7 we birlikler öýjüginde 6 bolýan ähli üç belgili sanlary ýazýarys.



2.  Jedwel esasynda üç belgili sanlary emele getirýäris, olary ýazýarys, okaýarys we öýjük birliklerine bölýäris. Näçe sany san emele geldi?

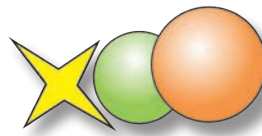
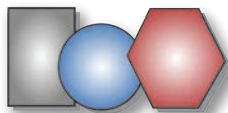
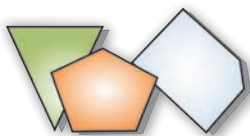
Nusga:

2	5	7
8	3	0
9	1	4

Son	Okalyşy	Ýüzlük	Onluk	Birlik
289	Iki ýüz segsen dokuz	2	8	9

3.  Saida bir san pikir etdi. Onuň 7 onlygy alyp goýulsa, 8 ýüzlük galar. Eger oňa 3 onluk goşulsa, 9 ýüzlük emele geler. Saida nähili sany pikir eden?

4.  Şekilleriň burçlarynyň sanyna görä nähili üç belgili sanlary düzmek mümkin?



5.  Aňlatmalary deňeşdirýäris.

$$(49 \div 7) + 83 \bigcirc 56 \div 7 + 77$$

$$81 \div (27 \div 3) \bigcirc 90 \div (27 - 18)$$

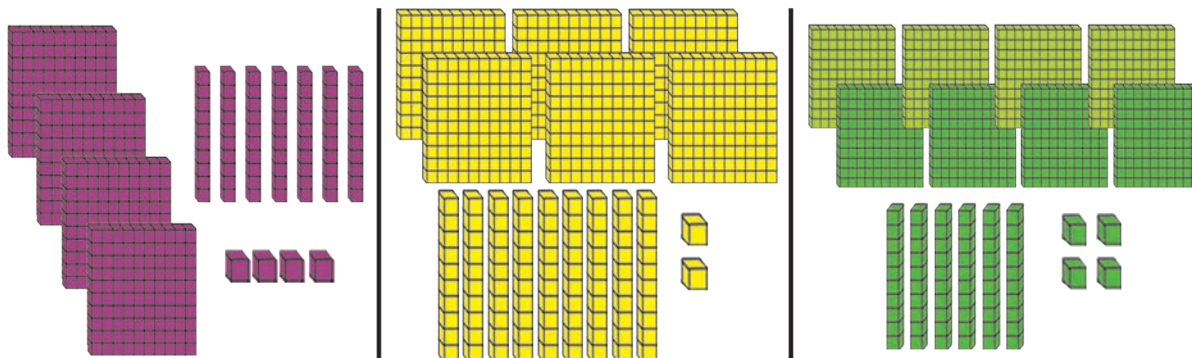
$$(68 + 22) \div 9 \bigcirc 1 \times (100 + 0)$$

$$9 \times 10 - 10 \bigcirc 72 + 32 \div 4$$

6.  Düşürlip galdyrylan sanlary ýazýarys we okaýarys.

		410			440		
	564						504

7.  Modeller emele getiren sanlary öýjük birlikleri boýunça ýazýarys.



1-nji bab.
6-njy ders

Müňlük

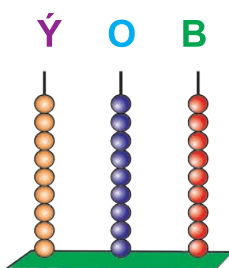
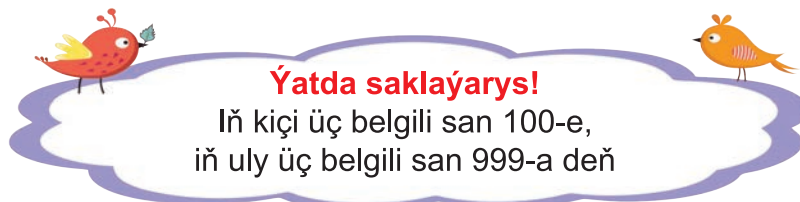
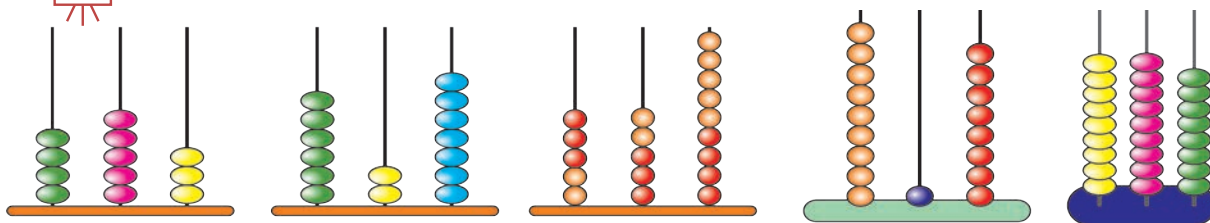
1.  Sanlary kemelýän tertibinde ýerleşdirýäris. Şonda haýsy san üçünji orunda bolar?

678 675 688 595 690 700

Sanlardaky 7 sany haýsy öýjük birligini aňladýar?

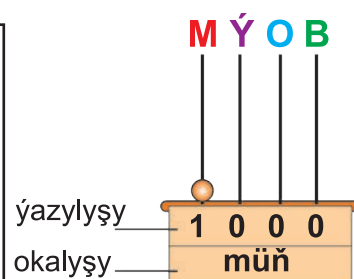
712 671 307 700 417 574 997 617 475 770

2. Modellere görä sanlary okaýarys we ýazýarys.



999 sanyna 1 sany goşulanda, haýsy san hasyl bolar?

- birlik öýjük 10-a dolup, 1 sany onluk emele gelýär we onluga geçýär;
- onluk öýjük hem 10 sana dolup, ýüzlüğe geçýär;
- ýüzlük öýjük hem 10-a dolýar;
- müňlük öýjük birligi emele gelýär.



3. Reňkler üçlügi esasynda sanlary düzýäris we ýazýarys.

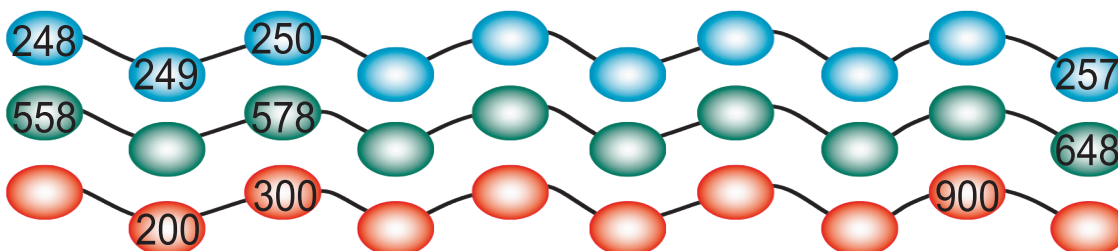
Nusga: swetofor reňklerinden **234** iki ýüz otuz dört.



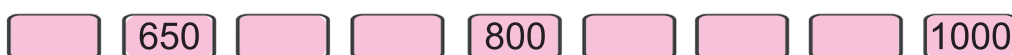
Berlen sanlardan müň sanyny emele getirmek mümkinmi?
Onda haýsy reňkdäki sanlar gatnaşýar? Näme üýtgeýär?

4. Sanlary dürli bolan iň kiçi we iň uly üç belgili sanlar haýsy?

5. Sanlar nähili tertipde artyp barýar? Her bir hatarda üç sanydan, sany öýjük birliklerine aýyrýarys.



6. Düşürlip galdyrylan sanlary tapýarys.



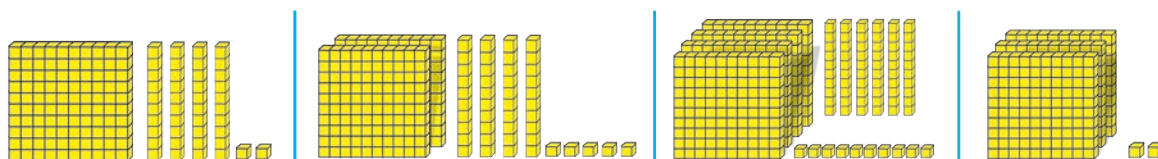
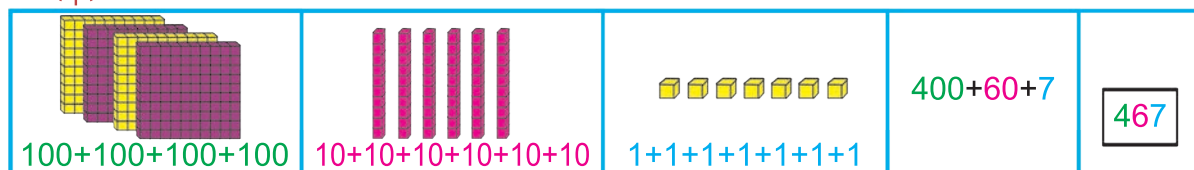
1-nji bep.
7-nji ders

Üç belgili sanyň öýjük birlikleriniň jemi

1.  Sanlar nähili öýjük birliklerinden düzülen? 2 ýüzlük = 200 birlik

5 onluk = birlik; ýüzlük = 900 birlik; 8 onluk = birlik
518 = ýüzlük onluk birlik; 7 ýüzlük 1 onluk 4 birlik =

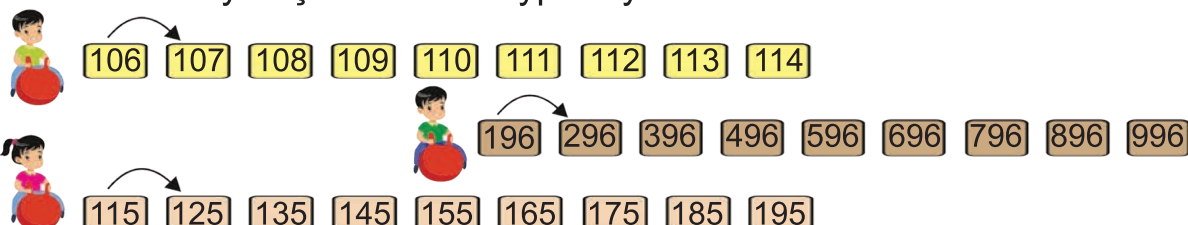
2.  Modeller esasynda sanlary öýjük birlikleriniň jemi görnüşinde ýazýarys.



3.  Jemlere deň sanlary tapýarys.

$700 + 70 + 4$	$600 + 80 + 5$	$900 + 6$	$400 + 60$	$900 + 90 + 9$
906	999	774	685	460

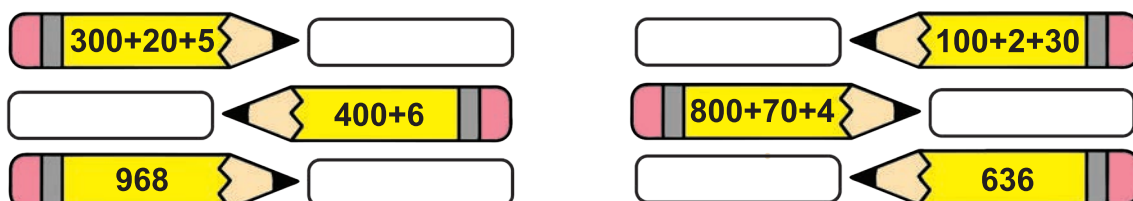
4.  Adyl, Umida, Said sanlary aýdyp bökdi. Her bökende olaryň aýdan sanlary näçe sandan artyp barýar?



5.  Boş öýjükleri doldurýarys.

$683 = \square + \square + \square$	$196 = \square + \square + \square$
$421 = \square + \square + \square$	$555 = \square + \square + \square$
$937 = \square + \square + \square$	$242 = \square + \square + \square$

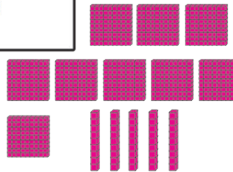
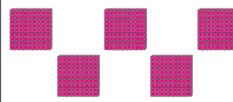
6.  Galamlary çyzýarys we boş öýjükleri doldurýarys.



1-nji bab.
8-nji ders

Üç belgili sanyň öýjük birlikleriniň jemi

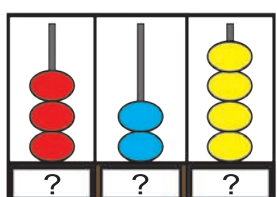
1.  Soraglar nämäni aňladýar? Gizlenen sanlary modelleriň kömeginde tapýarys?

dokuz ýüz elli	900+50+0	? ýüz
9 sany ýüzlük 5 sany onluk	?	?
		

2.  Öýjük birlikleriniň jemi nähili bölünen? Jedweli doldurýarys.



- 3 sany
- birlikler öýjüginde 3 (1+1+1)
 - onluklar öýjüginde 30 (10+10+10)
 - ýüzlükler öýjüginde 300 (100+100+100)

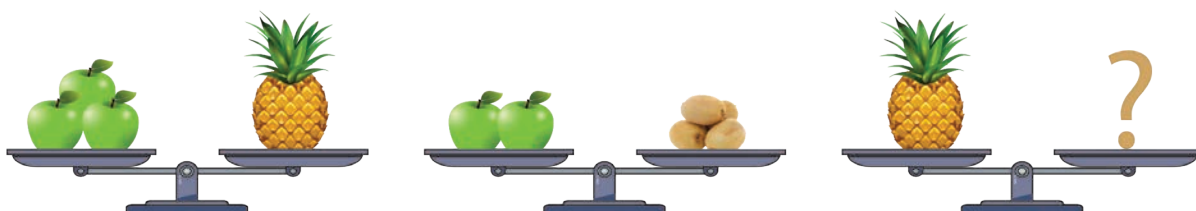
	100 + 100 + 100 + 10 + 10 + 1 + 1 + 1 + 1	324
	100 + 100 + 100 + 100 + 100 + 1	
	100+100+100+100+10+10+10+10+10+10+10+10	
	100+100+100+10+10+10+10+10+1+1+1+1+1+1	

3.  Dostumyzyň ýazan sanlary okaýarys, sözler bilen ýazýarys we öýjük birliklerine paýlaýarys.

637	Alty ýüz otuz ýedi	
904		
555		

514		500 + 10 + 4
600		
789		

4.  Bir sany ananas näçe kiwi agyrlygyna deň?



5.  Tekstda berlen sanlary öýjük birlikleri jemi görnüşinde ýazýarys.

Beýik matematik alym Muhammet al-Horezmi ýedi yüz segsen üçünji ýylda doglan. Ol ýigrimiden artyk eserleri ýazan, bize diňe ýedi sanysy ýetip gelen. Horezmi sekiz yüz ellinji ýylda wepat bolan.



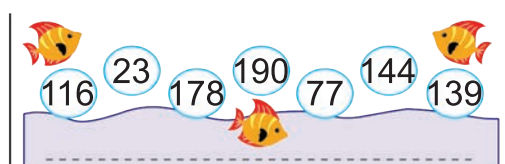
6.  Nusga esasynda sanlary ýazýarys.

844	493	548	bäs yüz kyrk sekiz	502	892	7 yüzlük 8 onluk we 8 birlik
378	296	654	600+50+4	771	999	100+100 10+10+10+10 1+1+1+1+1+1

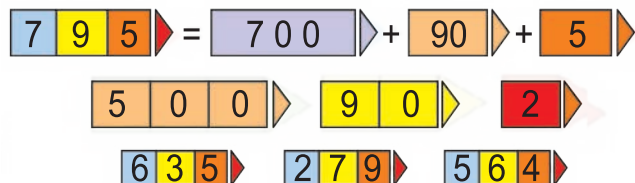
1-nji bab.
9-njy ders

Üç belgili sanyň öýjük birlikleriniň jemi

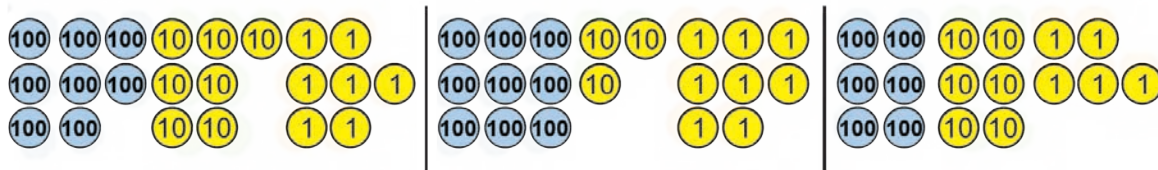
1.  Her bir akwariumdaky sanlary kemelýän tertibinde ýerleşdirýäris. Kim çalasyn?



2.  Nusga esasynda kartoçkalardan peýdalanyp sanlary emele getirýäris.

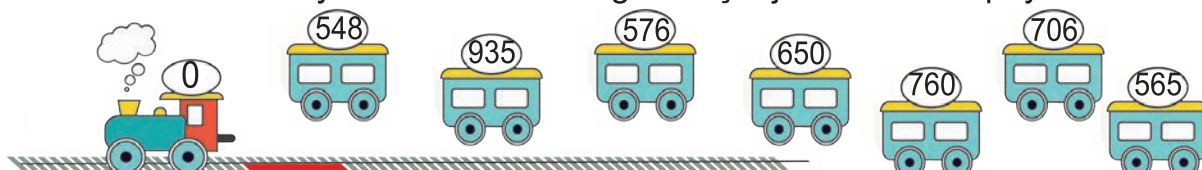


3.  Modeller esasynda nähili sanlary emele getirmek mümkin? Sanlaryň öýjük birlikleri näçe sanydan?



4.  Abrar 12 sanyny, Ahrar bolsa şu sana onuň sifrleriň jemini goşup aýtdy. Oýun şeýle dowam etse, 50 sany emele gelýärmí?

5.  Wagonlardaky sanlary artýan tertibinde ýerleşdirýäris. Haýsy wagondaky sanda 5 sany onluk bar? Bu wagon näçenji orunda durupdyr?



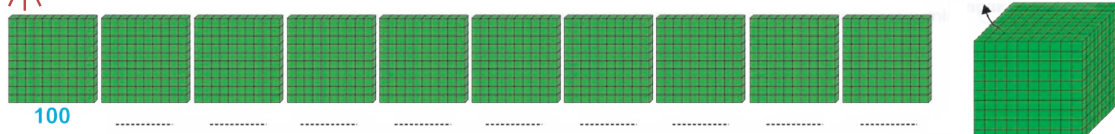
6.  Sanlary sözler bilen ýazýarys we öýjük birlikleriniň jemi görnüşinde aňladýarys.



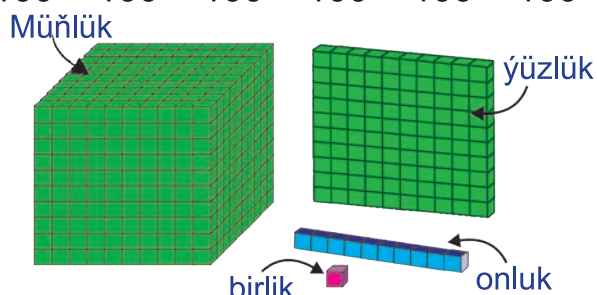
1-nji bap.
10-njy ders

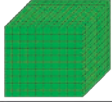
Müň sanynyň öýjük birlikleriniň jemi

1.  Yzygiderlikde sanaýarys. Haýsy san emele geldi? Müňlük



$$100 + 100 + 100 + 100 + 100 + 100 + 100 + 100 + 100 + 100 = ? \text{ sany ...}$$



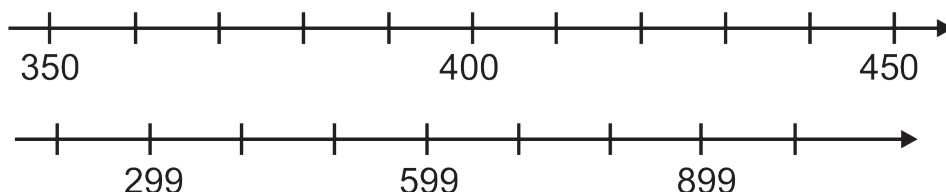
Müňlük	Yüzlük	Onluk	Birlik
			
1 sany	0 sany	0 sany	0 sany
1	0	0	0

900 90 9
999 = 900 + 90 + 9

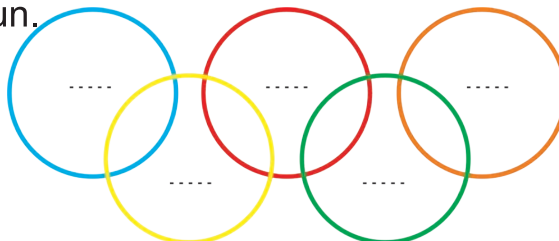
$$1000 = 1000 + ? + ? + ?$$



2. Her bir san şöhesinde düşürlip galdyrylan sanlar nähili öýjük birliginde artyp barýar?



3.  Olimpiada belgisi halkalarynyň içine 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 sanlaryny şeýle ýerleşdiriň welin, her üç sany halkadaky sanlaryň jemi 15-e deň bolsun.



4.  Sanlar barabanyndan (depreginde) reňkleri saýlaýarys we şol reňkdäki sanlary öýjük birlikleriniň jemi görnüşinde aňladýarys.

Nusga: 542 = 500 + 40 + 2; 909 = 900 + 0 + 9



5.  Jedweli doldurýarys. Üstünde berlen sanlar emele gelmegi üçin boş öýjüğe näçe sany ýüzlük ýerleşdirmek gerek?

300	500	900	600	800	600	700
	200		400		500	200
		600	100		100	
100		200		600		300

Tapylan sanlaryň birlik we onluk öýjükleri näçä deň?

6.  Sanlary okaýarys we ýazýarys. Olarda nähili öýjük birlikleri bar?

Iki yüz segsen; dört yüz; bir yüz elli baş; alty yüz togsan; sekiz yüz sekiz; baş yüz elli baş; dokuz yüz togsan; bir müň.

1-nji bab.
11-nji ders

Üç belgili sanlary deňeşdirmek

1.  Kamila 70-den, 90-a çenli galdyryp sanady. Ol 5 sanydan sanan bolmagy mümkinmi? 3 sanydan bolmagy mümkinmi? Kamil 35-den başlap, 7 sanydan sanady. Ol 90-da tamamlanmagy mümkinmi? 98-de näme?

2.  Robotlara degişli sanlary tapýarys we deňeşdirýäris. Haýsy robota degişli sanyň ýüzlügi uly, onlugu näme? Sanlaryň haýsy öýjük birlihi deň?



100	100	10	10	1	1
100	100	10		1	1
100				1	1
				1	1
				1	1

637
6 sany ýüzlük
3 sany onluk
7 sany birlik

?

100	100	10	10	10	1	1
100	100	10	10		1	1
100		10			1	1
		10			1	1
					1	1

5 sany ýüzlük
? sany onluk
? sany birlik

637 ○ 5 ...



100	10	10	1	1
100	10		1	1
100			1	1
			1	1



100	10	10	10	1	1
100	10	10		1	1
100				1	1
				1	1

3.  Sanlaryň haýsy öýjük birlikleri deň? Olary deňeşdirýäris.

545 we 534
5=5
4>3

496 we 499
?

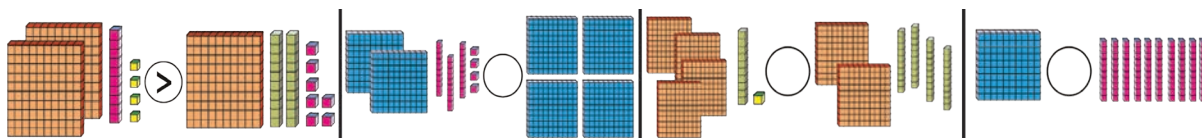
502 we 408 613 we 563
786 we 789 325 we 352

4. 



Ýetginjekleriň arasynda geçirilen kim çalasyn ýaryşynda 1 minutda Anwar 203 metr, Sabyr 304 metr we Nadyr 255 metre ylgadylar. Olardan Haýsysy biri iň uzyn aralyga, haýsysy iň gysga aralyga ylgapdyr?

5.  Deňeşdirme nähili ýerine ýetirilen? Modellerde aňladylan iň uly sanyň birlik öýjügi näçä deň?



6.  Deňeşdirýäris.

$$\begin{array}{r} 599 \\ 287 \end{array} \bigcirc \begin{array}{r} 595 \\ 287 \end{array}$$

$$\begin{array}{r} 737 \\ 945 \end{array} \bigcirc \begin{array}{r} 735 \\ 954 \end{array}$$

$$\begin{array}{r} 582 \\ 763 \end{array} \bigcirc \begin{array}{r} 833 \\ 763 \end{array}$$

$$\begin{array}{r} 344 \\ 644 \end{array} \bigcirc \begin{array}{r} 423 \\ 624 \end{array}$$

7.  Sanlary öýjük birlikleri jemine aýyrýarys we deňeşdirýäris.

$$\begin{array}{r} 242 \\ 164 \end{array} \bigcirc \begin{array}{r} 312 \\ 115 \end{array}$$

$$\begin{array}{r} 612 \\ 532 \end{array} \bigcirc \begin{array}{r} 741 \\ 235 \end{array}$$

$$\begin{array}{r} 566 \\ 784 \end{array} \bigcirc \begin{array}{r} 731 \\ 784 \end{array}$$

$$\begin{array}{r} 981 \\ 775 \end{array} \bigcirc \begin{array}{r} 918 \\ 446 \end{array}$$

1-nji bap.
12-nji ders

Üç belgili sanlary deňeşdirmek

1.  Sanlary kemelýän tertipde ýerleşdirýäris. Şonda haýsýsy iň kiçisi bolar?

255

253

257

251

Aşakdaky sanlardan haýsylary jübüt? Haýsylary täk?

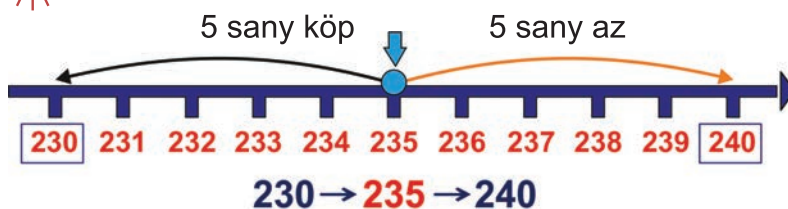
☒ 40

☒ 421

☒ 144

☒ 969

2.  2. Deňeşdirmek nähili ýerine ýetirilen? Nähili netijä geldiňiz?



$$\begin{array}{l} 235 > 230 \\ 235 < 240 \\ 230 < 235 < 240 \end{array}$$

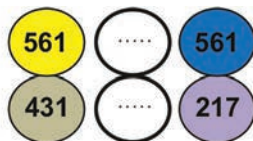
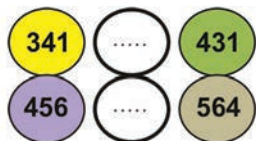
3.  Sanlary öýjük birliklerine paýlaýarys we laýyk reňkdäkileri deňeşdirýäris.

726	436	870	308	963	762
	254	542	419	807	475

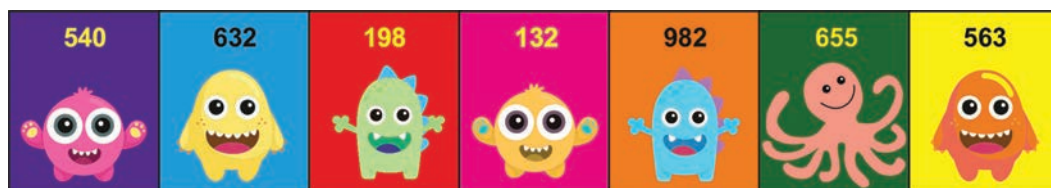
Haýsy reňkdäki san artykmaç? Onuň sanlarynyň ýerini çalşyp, iň kiçi üç belgili san emele getirip bilýärismi?

4.  Otagda 14 sany oylan, 16 sany gyz bar. Otagdan 22 sany oylan çykyp gidenden soñra, oylanlar we gyzlar sany deñ boldy. Otagdan näçe sany oylan çykyp giden?

5.  Deñeşdirýäris. Sanlaryň içinden iň uly we kiçilerini kesgitleýäris.



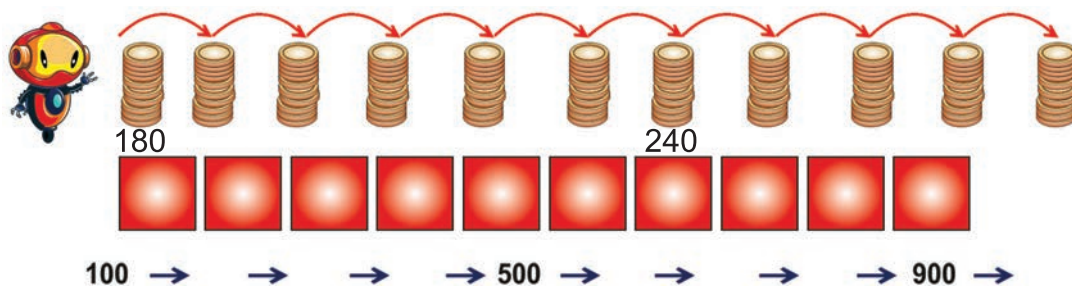
6.  Suratlardaky gahrymanlara laýyk sanlary deñeşdirýäris. Ähli sanlary kemelýän tertipde ýerleşdirenimizde, sekizäýaga degişli san näçenji orunda durýar?



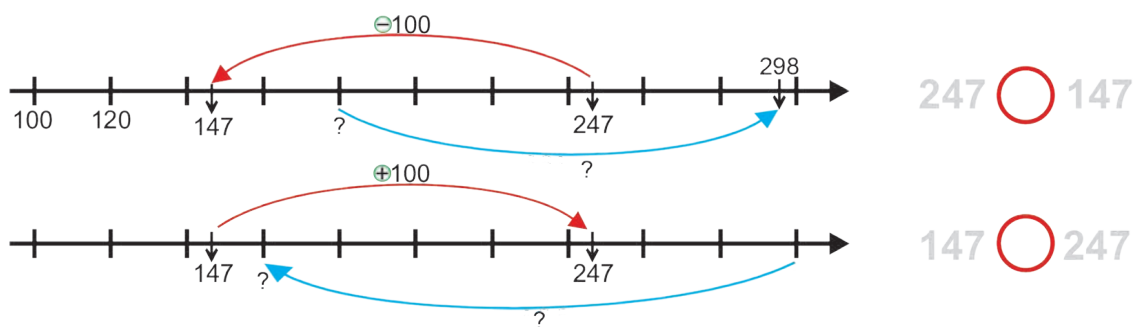
1-nji bab.
13-nji ders

Müňlük, ýüzlük, onluk we birlikleriň arasyndaky gatnaşyk

1.  Sanlar näçe sanydan artyp barýar? Haýsy sanlar emele geldi?



2.  Sanlaryň öýjük birlikleriniň arasynda nähili gatnaşyk bar? Olary nädip deñeşdirýäris?

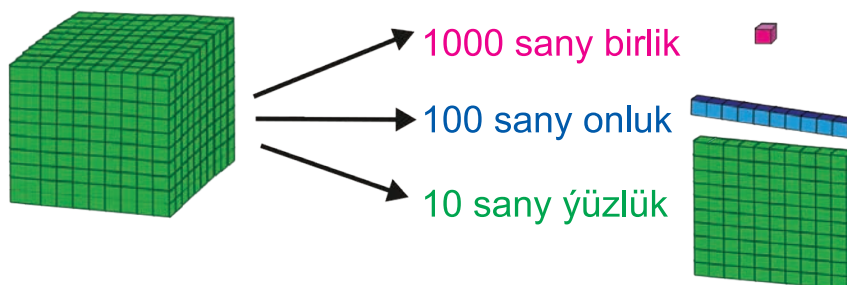


3.  Sanlaryň jemi 26-a deñ bolan üç belgili sanlar näçe sany?

4.  Jedwelde satylan güller hakynda maglumat berlen. Bu maglumatlar esasynda iň köp gül satylan aýy kesgitleýäris. Haýsy aýda iň az gül satylan?

Satylan güller	
Aýlar	Güller sany
Iýul	163
Awgust	198
Sentýabr	284
Oktýabr	355

5.  Modelde näme görkezilen? Nähili netije ederis?



800, 730, 995 sanlaryny 1000-e doldurmak üçin näçe sany ýüzlük, onluk, birlik gerek bolar?

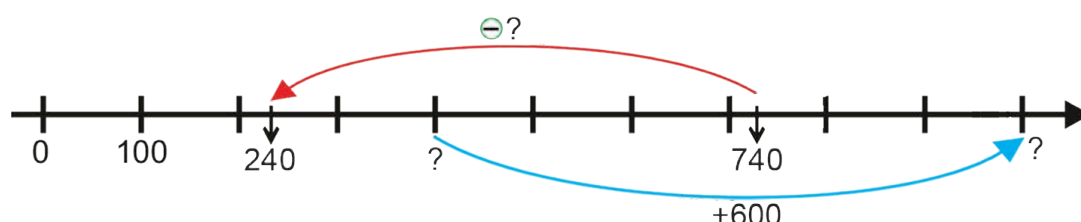
6.  Teňňeleriň kömegi bilen 1000 somy emele getirýäris. Kim nähili usulda hasaplady? Kim näçe sany teňňeden peýdalandy?



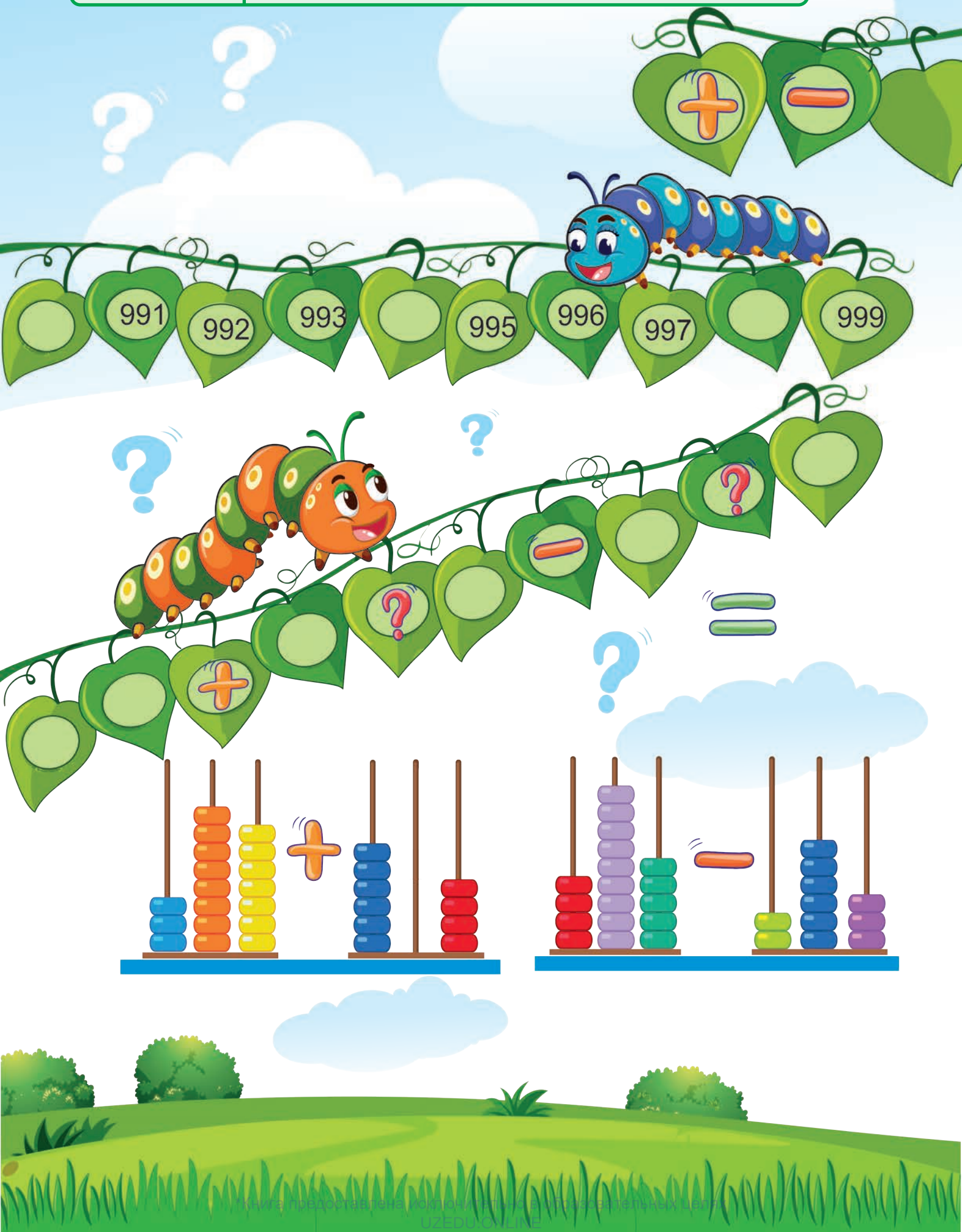
7.  Deňeşdirýäris.

545 534 882 828 410 401 762 627
674 676 656 562 358 676 987 798

8. Näbelli sanlary tapýarys. Öýjük birlikleriniň arasyndaky gatnaşygy kesgitleýäris.



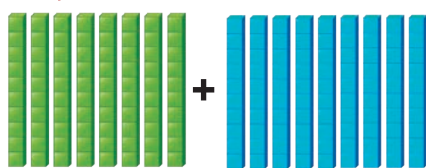
2-NJI BAP SANLARY GOŞMAK WE AÝYRMAK



2-nji bap.
1-nji ders

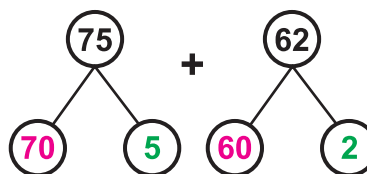
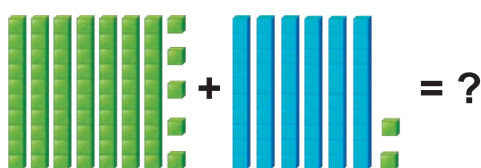
1000 içinde sanlary goşmak usullary

1.  Jemler nähili hasaplanypdyr?



$$\begin{array}{r} 80 \\ + 90 \\ \hline 170 \end{array}$$

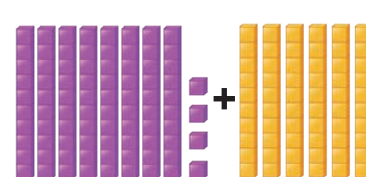
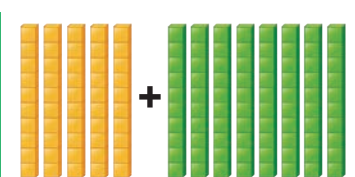
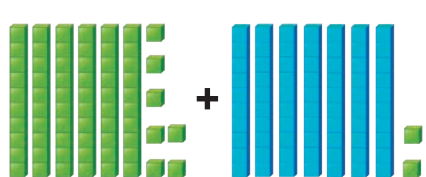
8 onluk + 9 onluk = 17 onluk



$$\square + \square = ?$$

$$\square + \square = ?$$

$$\square + \square = ?$$



2.  Hasaplaýarys.

$$50 + 60$$

$$70 + 80$$

$$75 + 62$$

$$87 + 21$$

$$84 + 50$$

$$90 + 38$$

3.  Jemi belka we towşanlaryň sany näçe?



37 sany

41 sany artyk

? sany

4.  $\bullet = ?$ $\blacksquare = ?$ $\blacktriangle = ?$

$$\blacktriangle + \blacksquare + \bullet = 120$$

$$\blacksquare + \blacksquare + \bullet = 130$$

$$\bullet + \bullet = 100$$



5.  Hasaplaýarys.

$$\begin{array}{r} 7\square \\ + \square 0 \\ \hline 140 \end{array}$$

$$\begin{array}{r} 58 \\ + 5\square \\ \hline 109 \end{array}$$

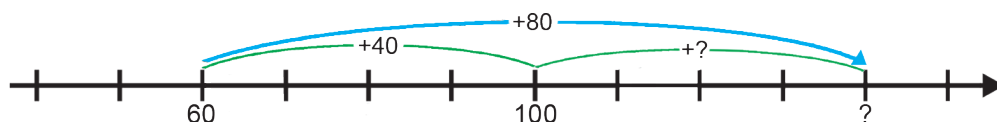
$$\begin{array}{r} \square 0 \\ + 6\square \\ \hline 130 \end{array}$$

$$\begin{array}{r} \square\square \\ + 83 \\ \hline 156 \end{array}$$

$$\begin{array}{r} 5\square \\ + \square 3 \\ \hline 126 \end{array}$$

$$\begin{array}{r} \square 7 \\ + 63 \\ \hline 12\square \end{array}$$

6.  Sanlar şöhesinden peýdalanyň hasaplaýarys. Kim çalasyn?



$$60 + 80$$

$$90 + 50$$

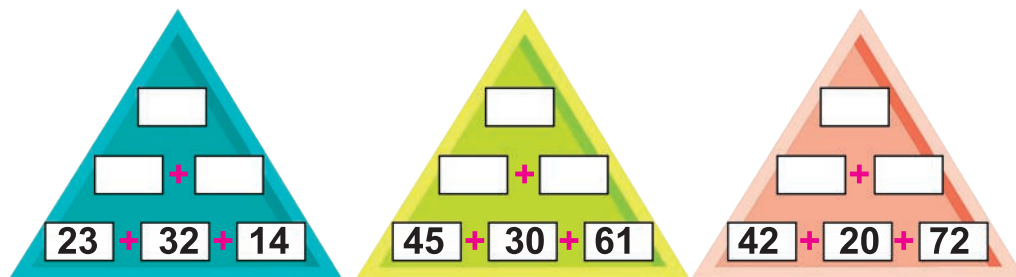
$$70 + 40$$

$$50 + 70$$

$$30 + 90$$

$$40 + 30$$

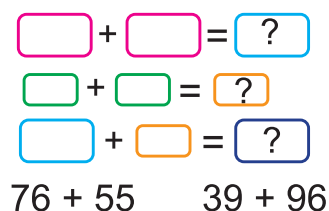
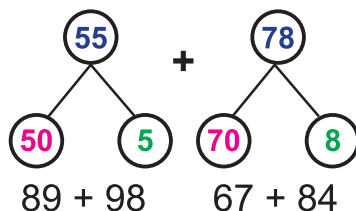
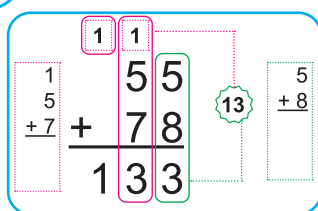
7. Hasaplaýarys we netijeleri deňeşdirýäris.



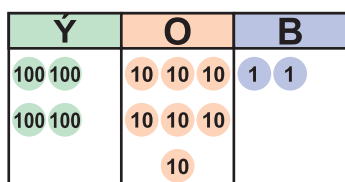
2-nji bab.
2-nji ders

1000 içinde sanlary goşmak usullary

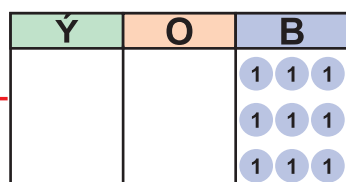
1. Hasaplamalar nähili ýerine ýetirilen?



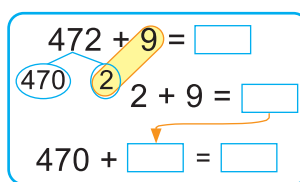
2. Modeller esasynda jemi hasaplaýarys.



$$476 + 8$$



$$386 + 7$$



$$89 + 65$$

$$\begin{array}{r} 472 \\ + 9 \\ \hline \end{array}$$

$$538 + 9$$

3. Gudrat 1-den başlap birnäçe sanlary yzygider ýazjak.

15 sanyny ýazandan soň, galam döwürdi. Ol soňky gezek haýsy sany ýazan? Sanlary ýazmakda iň köp haýsy sandan peýdalanan? Iň azynda haýsy?

4. Hasaplaýarys.

$$148 + 5$$

$$367 + 4$$

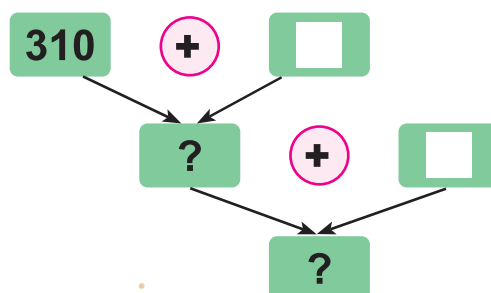
$$624 + 8$$

$$76 + 88$$

$$84 + 97$$

$$333 + 9$$

5.  Matematikadan ýumuşlar toplumynda 310 sany goşmaga deňişli, ondan 9 sany köp aýyrmaga deňişli, aýyrmakdan 6 sany köp bölmek we köpeltmäge deňişli ýumuşlar berlen. Toplumda köpeltmek we bölmäge deňişli näçe sany ýumuş berlen? Jemi ýumuşlar näçe sany?



6.  Yzygiderlikde hasaplaýarys.

$$\begin{array}{r} 75 \\ + 96 \\ \hline \end{array} \rightarrow \begin{array}{r} \square \\ + 8 \\ \hline \end{array} \rightarrow \begin{array}{r} \square \\ + 7 \\ \hline \end{array} \rightarrow \begin{array}{r} \square \\ + 6 \\ \hline \end{array} \rightarrow \begin{array}{r} \square \\ + 9 \\ \hline \end{array}$$

2-nji bap.
3-nji ders

1000 içinde sanlary goşmak usullary

1.  Modeller esasynda jemi tapýarys.

$$\begin{array}{c} \text{300} + \text{84} \\ \text{632} + \text{57} \\ \text{844} + \text{32} \\ \text{702} + \text{96} \end{array} = \begin{array}{r} 556 \\ + 43 \\ \hline \end{array}$$

2.  Jemi hasaplamagyň dilden aýtmak usulyndan peýdalanýarys. Nähili netijä geldiňiz?

$$246 + 9 = ?$$

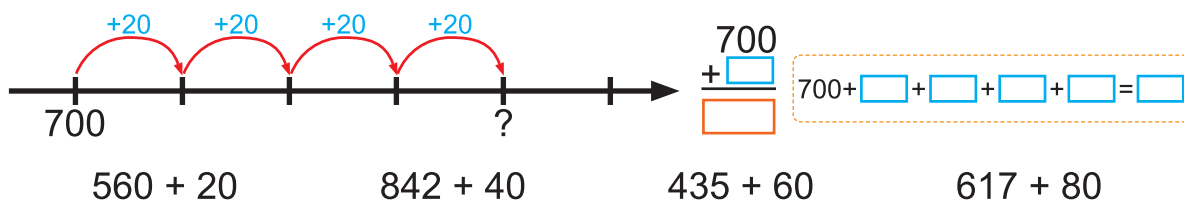
$$246 + 10 = 256$$

$$256 - 1 = 255$$

	⊕ 9
246	255
572	
838	
153	

	⊕ 19
625	
497	
364	
789	

3.  Nusga görä hasaplaýarys.



4.  Näçe sany goýun we näçä sany geçiniň bilelikdäki agramy sygyr agramyna deň?



145 kg



35 kg



25 kg

5.  Amatly usulda hasaplaýarys.

$$62 + (17 + 38) = (62 + 38) + 17 = 100 + 17 = 117$$

$$40 + 17 + 83 \quad 26 + (98 + 74) \quad (49 + 32) + 51 \quad 65 + (35 + 72)$$

6.  Sütün şekilde hasaplaýarys.

$$830 + 20$$

$$263 + 10$$

$$842 + 55$$

$$570 + 80$$

$$420 + 50$$

$$348 + 30$$

$$714 + 81$$

$$921 + 30$$

7.  Hasaplaýarys.

$$642 + 40$$

$$935 + 62$$

$$456 + 43$$

$$412 + 84$$

$$70 - 30 + 260$$

$$40 + 200 + 60$$

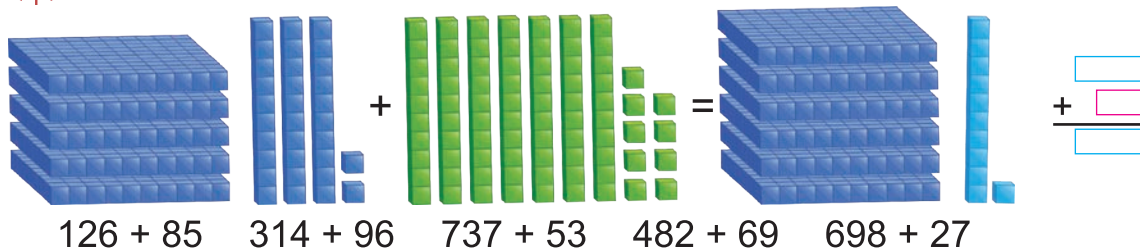
$$245 + (35 + 16)$$

$$125 - 30 + 41$$

2-nji bap.
4-nji ders

1000 içinde sanlary goşmak usullary

1.  Modeller esasynda hasaplaýarys.



2.  Aňlatmalaryň jemini deňeşdirýäris.

$$189 + 79 \bigcirc 891 + 97 \quad 648 + 55 \bigcirc 562 + 58 \quad 591 + 87 \bigcirc 915 + 78$$

$$267 + 58 \bigcirc 349 + 72 \quad 46 + 487 \bigcirc 39 + 573 \quad 779 + 49 \bigcirc 129 + 65$$

3.  Her bir döwletiň umumy medallarynyň sanyny kesgitleýäris.

Döwletler	Altyn	Kümüş	Bronza	Jemi
Malaýziýa	145	92	86	
Tanyland	72	86	88	
Wýetnam	58	50	60	
Singapur	57	58	73	

4.  Boş öýjüklere laýyk sanlary goýup, hasaplaýarys.

$$\begin{array}{r} 323 \\ + 58 \\ \hline \square\square1 \end{array}$$

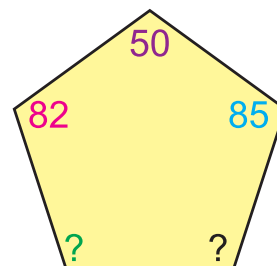
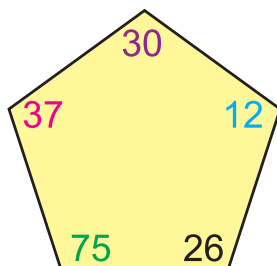
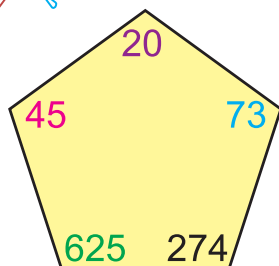
$$\begin{array}{r} 3\square7 \\ + 8\square \\ \hline \square31 \end{array}$$

$$\begin{array}{r} 87\square \\ + 55 \\ \hline \square31 \end{array}$$

$$\begin{array}{r} \square78 \\ + 9\square \\ \hline 3\square4 \end{array}$$

33

5.  Năbelli san năçă deň?



6.  Netijeleri tapýarys we deňeşdirýäris.

$$123 \xrightarrow{+5} \boxed{} \xrightarrow{+10} \boxed{} \xrightarrow{+15} \boxed{} \xrightarrow{+20} \boxed{}$$

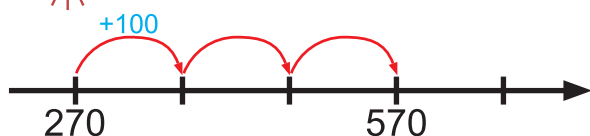
$$87 \xrightarrow{+25} \boxed{} \xrightarrow{+35} \boxed{} \xrightarrow{+45} \boxed{} \xrightarrow{+55} \boxed{}$$

Ikinji goşulyjy năhili tertipde artyp barýar?

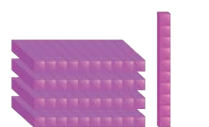
2-nji bab.
5-nji ders

1000 içinde sanlary goşmak usullary

1.  1. Hasaplamalar năhili ýerine ýetirilýär?

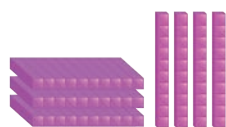


$$270 + \boxed{} + \boxed{} + \boxed{} = \boxed{}$$



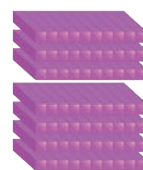
$$640 + 130$$

+



$$536 + 360$$

=



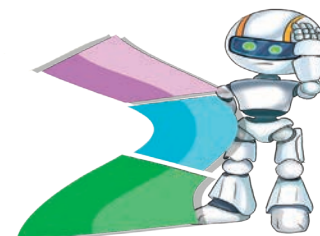
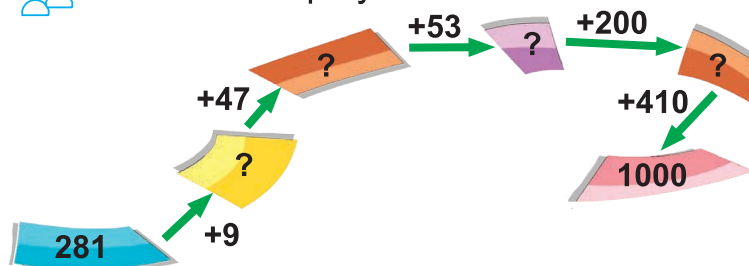
$$440 + 258$$



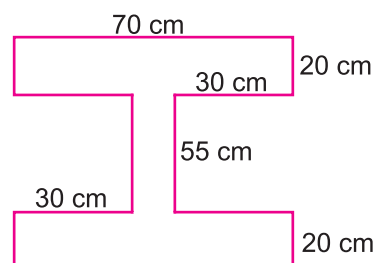
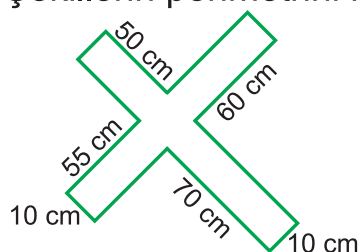
$$\begin{array}{r} 410 \\ + \boxed{} \\ \hline \boxed{} \end{array}$$

$$730 + 129$$

2.  Kim tiz hasaplaýar?



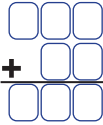
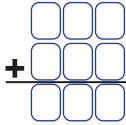
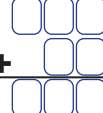
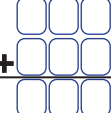
3.  Şekilleriň perimetrini hasaplaýarys.



4.  Suratlara la'yyik gelyän nomerleri tap'arys.

 3   +  2 9 7 1	 = ?  = ?  = ?	 4   +  5 9 1 2	 = ?  = ?  = ?
---	--	--	--

5.  Hasapla'arys.

① $203 + 31 = \square$		② $422 + 300 = \square$	
	③ $433 + 39 = \square$		④ $133 + 600 = \square$

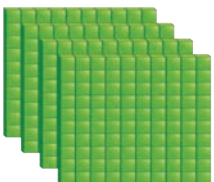
6.  Hasapla'arys. Harplara la'yyik sanlary kesgitley'aris.

$$260 + 100 = a \quad a + 200 = b \quad b + 300 = c \quad c + 40 = d$$

2-nji bab.
6-nji ders

1000 içinde sanlary goşmak usullary

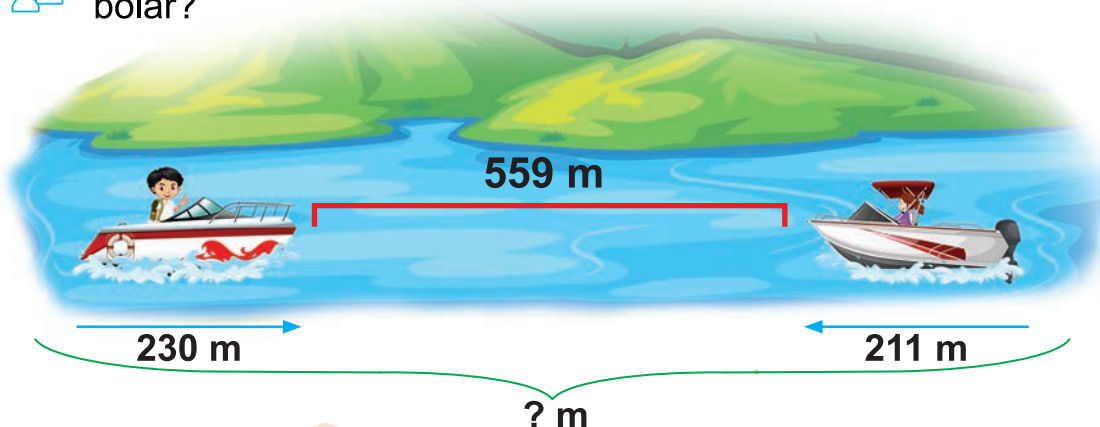
1.  Modeller esasynda goşmagy ýerine ýetirýäris.

	+		+		= ?	$\begin{array}{r} 438 \\ +145 \\ \hline \square\square\square \end{array}$
764 + 128		611 + 269		527 + 325		

2.  Jemleri hasapla'arys. Nähili netijä geldiňiz?

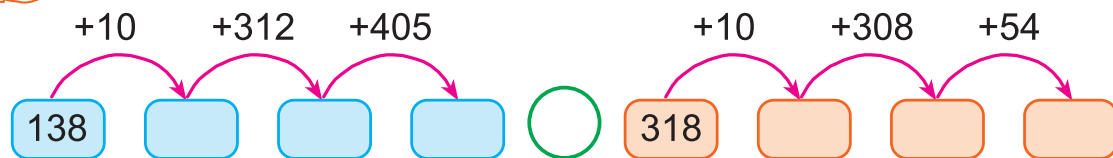
$\begin{array}{r} 524 \\ +268 \\ \hline \end{array}$	$\begin{array}{r} 576 \\ +114 \\ \hline \end{array}$	$\begin{array}{r} 661 \\ +329 \\ \hline \end{array}$	$\begin{array}{r} 353 \\ +427 \\ \hline \end{array}$
--	--	--	--

3.  Gämiler duşuşandan soň, olar basyp geçen jemi aralyk näçä deň bolar?



4.  Sanlaryň jemi 3-e deň bolan 3 belgili täk we 3 belgili jübüt sanlary ýazýarys.

5.  Hasaplaýarys. Netijeleri deňeşdirýäris.



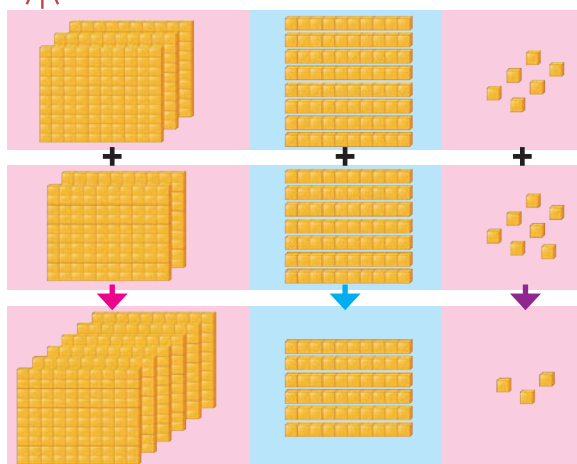
6.  Boş öýjükleri doldurýarys.

$\begin{array}{r} \square\square\square \\ + 245 \\ \hline 872 \end{array}$	$\begin{array}{r} 406 \\ + \square\square\square \\ \hline 723 \end{array}$	$\begin{array}{r} 312 \\ \square\square\square \\ + 448 \\ \hline 965 \end{array}$	$\begin{array}{r} 124 \\ + \square 1 \square \\ \hline 541 \end{array}$	$\begin{array}{r} 2\square 9 \\ + \square 5 \square \\ \hline 672 \end{array}$
---	---	--	---	--

2-nji bap.
7-nji ders

1000 içinde sanlary goşmak usullary

1.  Modelleri okaýarys, nusga esasynda hasaplaýarys.



$$\begin{array}{r} 1 \quad 1 \\ 386 \\ + 277 \\ \hline \end{array}$$

$$386 + 277 = \square$$

6 birlik + 7 birlik = 13 birlik = 1 onluk 3 birlik
8 onluk + 7 onluk = 15 onluk + 1 onluk =
= 16 onluk = 1 ýüzlük 6 onluk
3 ýüzlük + 2 ýüzlük = 5 ýüzlük + 1 ýüzlük =
= 6 ýüzlük

$$\begin{array}{ll} 312 + 498 & 184 + 547 \\ 619 + 187 + 166 & 245 + 416 + 323 \end{array}$$

2.  Ördeklere dogry jogaplary tapmakda kömek edýäris.

$\begin{array}{r} 349 \\ + 528 \\ \hline \end{array}$	$\begin{array}{r} 235 \\ + 185 \\ \hline \end{array}$	$\begin{array}{r} 547 \\ + 365 \\ \hline \end{array}$	$\begin{array}{r} 179 \\ + 286 \\ \hline \end{array}$	$\begin{array}{r} 593 \\ + 308 \\ \hline \end{array}$	$\begin{array}{r} 457 \\ + 384 \\ \hline \end{array}$
841	912	465	420	877	901

3.  Hasaplaýarys.

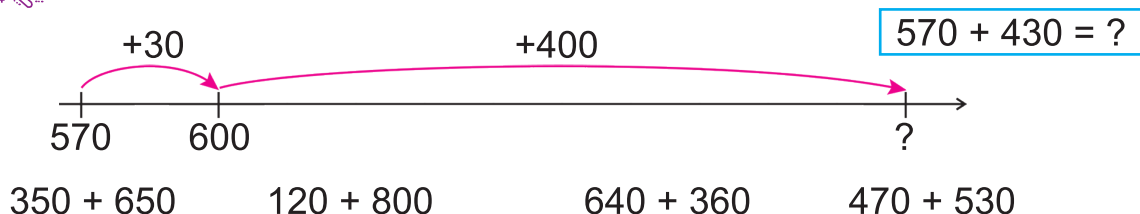
$$259 + 573 \quad 343 + 468 \quad 413 + 389 \quad 639 + 197 \quad 786 + 214$$

-

- $$290 + 54 = a$$

A cartoon illustration of a young boy with black hair and large black-rimmed glasses. He is smiling and pointing his right index finger towards a blue and silver calculator he is holding in his left hand. He is wearing a white short-sleeved shirt, orange pants, and green sneakers with white laces. The background is a solid light pink color.

2.  Nusga esasynda aňlatmalary san şöhlesinde görkezýäris.



3.  Hasaplaýarys.

68 + 547 + 385 84 + 426 + 489 77 + 323 + 546 192 + 430 + 378

Each problem has a bracket under the first two numbers with a question mark.

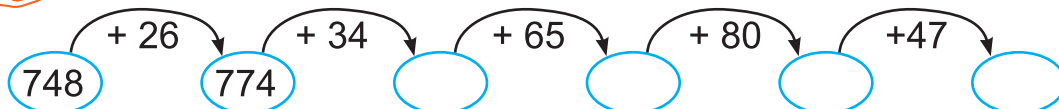
4.  Haýsy transport iň köp ýolagçy sygdyryp bilýär?

Bir wagtyň özünde bu transportlar näçe ýolagçy üçin hyzmat edýär?



200 + 200 + 200 + 200 + 200; 350 + 250; 350 + 350 aňlatmalar nämäni aňladýar? Muňa meňzeş ýene nähili aňlatmalary düzmek mümkin?

5.  Netije nämä deň?



6.  Hasaplaýarys.

365 + 635 524 + 476 272 + 548 459 + 391 763 + 237
483 + 279 136 + 748 615 + 197 707 + 293 346 + 654

2-nji bab.
9-njy ders

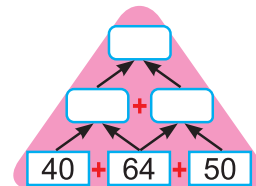
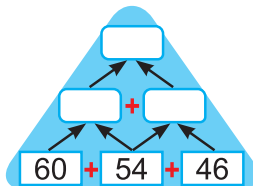
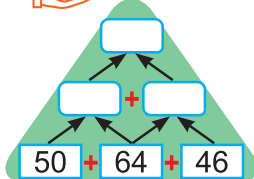
1000 içinde sanlary goşmak usullary

1.  Amatly usulda hasaplaýarys.

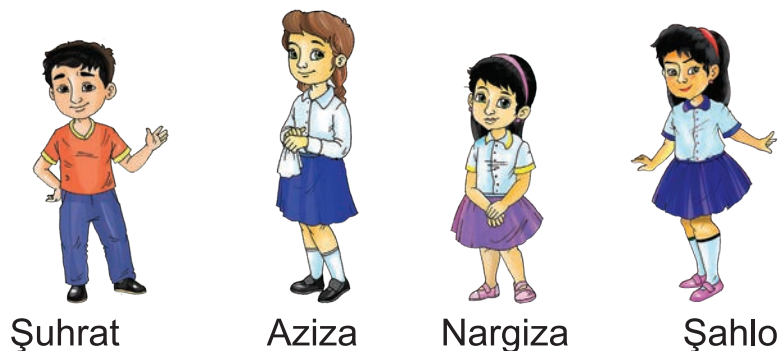
143 + 289 + 457 214 + 142 + 358

138 41 52
142 133 331
+ 315! + 59! + 148!

2.  Kim tiz hasaplaýar?



3.  Uzynlyklary santimetrde añladýarys we çagalaryň boýuna laýyk uzynlygy çak bilen tapyp, artýan tertibinde aýdýarys: 1 m 48 cm, 1 m 35 cm, 1 m 65 cm, 1 m 20 cm.



Şuhrat

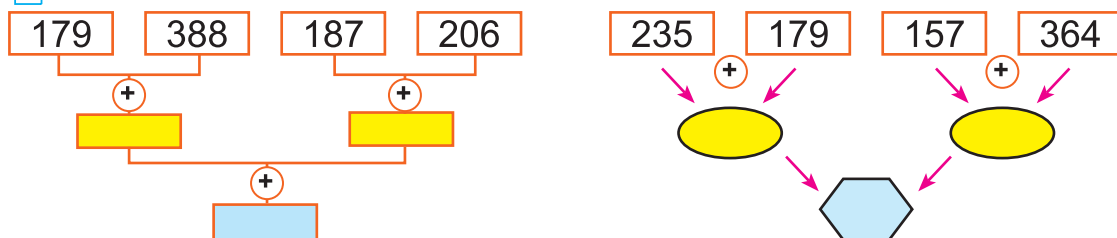
Aziza

Nargiza

Şahlo

Şuhrat bilen Şahlanyň boýlary uzynlygynyň jemi Nargiza bilen Azizanyň boýlary uzynlygy jeminden nähili tapawutlanýar?

4.  Hasaplaýarys. Netijeleri deňeşdirýäris.

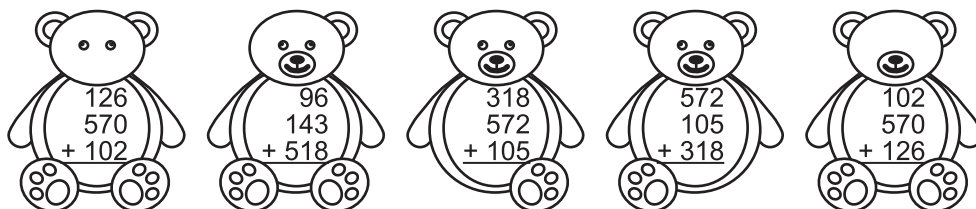


5.  1000-e çenli bolan sanlardan näçe sanysynyň nomerleriniň jemi 1-e deň?
 1000-e çenli bolan sanlardan näçe nomerleriniň sanlary jemi 2-ä deň?

6.  Laýyk gelýän sanlary goýup hasaplaýarys.

$\begin{array}{r} 192 \\ + 3\star 4 \\ \hline 576 \end{array}$	$\begin{array}{r} 6\star 7 \\ + 172 \\ \hline 819 \end{array}$	$\begin{array}{r} 32\star \\ + 426 \\ \hline 746 \end{array}$	$\begin{array}{r} \star 01 \\ + 331 \\ \hline 632 \end{array}$	$\begin{array}{r} 337 \\ + 59\star \\ \hline 929 \end{array}$	$\begin{array}{r} \star\star\star \\ 216 \\ + 184 \\ \hline 679 \end{array}$	$\begin{array}{r} 310 \\ \star\star\star \\ + 181 \\ \hline 792 \end{array}$	$\begin{array}{r} 165 \\ 183 \\ + \star\star\star \\ \hline 546 \end{array}$
--	--	---	--	---	--	--	--

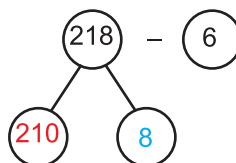
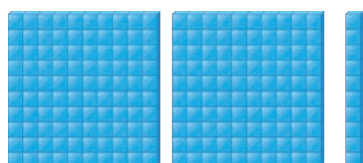
7.  Hasaplaýarys we aýyjlardaky çyzylan galan böleklerini tapýarys.



2-nji bap.
10-njy ders

1000 ichinde sanlary aýyrmak usullary

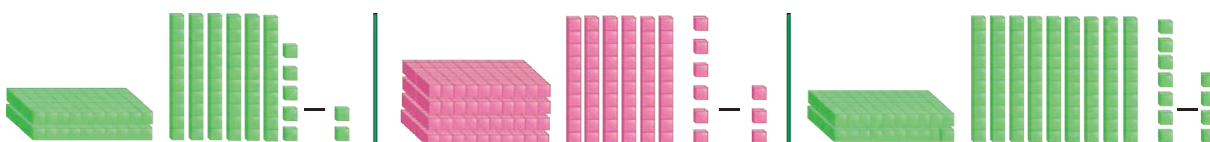
1.  Hasaplama nähili ýerine ýetirilen?



$$\begin{array}{r} 8 - 6 = \square \\ \square + \square = \square \end{array}$$

$$289 - 3 \quad 329 - 7 \quad 846 - 5 \quad 167 - 4 \quad 628 - 8 \quad 455 - 2$$

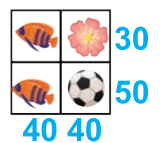
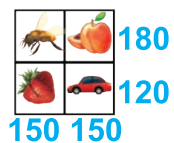
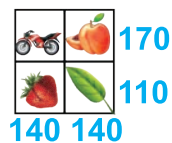
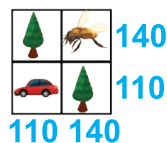
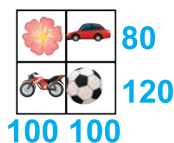
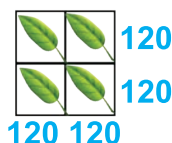
2.  Modele laýyk aňlatma düzüp, bahasyny tapýarys.



3.  Boş öýjüklere laýyk gelýän sanlary ýazýarys.

$$\begin{array}{ccccccc} 438 - 2 & > & 421 & & 189 - 4 & > & 767 - 6 \\ 125 + 27 & < & & < & 347 + 34 & < & 918 - 0 \end{array}$$

4.  Berlen zatlar nähili sanlary aňladýar?



5.  Awtoulaglar üçin duralga 133 sany awtoulag üçin niýetlenen. Onda 5 sany awtoulag bar. Näçe sany boş ýer bar?

6.  Sanlary kemelýän tertibinde ýerleşdirýäris. Kim tiz aýdýar?

$$\square > \square > \square > \square > \square > \square$$



7.  Nusga esasynda hasaplaýarys.

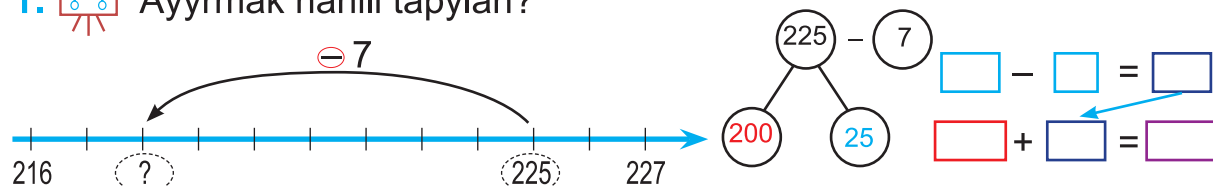
$$\begin{array}{r} 325 \\ - 4 \\ \hline 321 \end{array}$$

$$325 - 4 \quad 368 - 5 \quad 618 - 8 \quad 789 - 2 \quad 708 - 7 \quad 589 - 6$$

2-nji bap.
11-nji ders

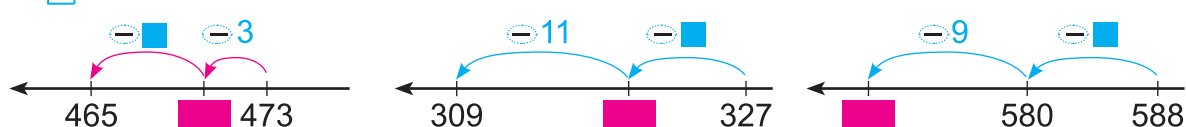
1000 içinde sanlary aýyrmak usullary

1.  Aýyrmak nähili tapylan?



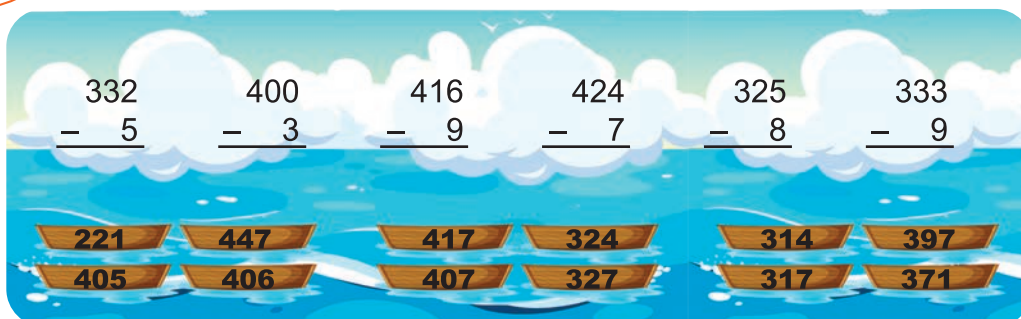
254 - 6 371 - 5 478 - 9 546 - 8 654 - 7 762 - 4

2.  Añlatmalar düzyäris we bahalaryny tapýarys.

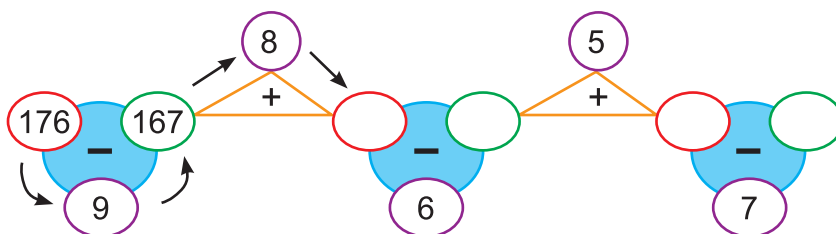


3.  Sanlaryň jemi 4-e deň bolan we düzüminde 0 sany bar bolmadyk üç belgili sanlary ýazýarys.

4.  Tapawutlara laýyk gelyän jogaplary kesgitleýäris.



4.  Hasaplaýarys we boş tegelekleri doldurýarys.



5.  Howuzda 125 sany ördek ýördi. Säher bilen 9 sany, gönortanlyk wagtynda ýene 8 sany ördek uçup gitdi. Howuzda näçe sany ördek galdy? Jemi näçe sany ördek uçup gitdi?

6.  Netijeleri deňeşdirýäris.

241 - 3



252 - 9

325 + 6 + 9



674 - 5 - 6

976 - 9



967 - 9

775 - 8 - 9

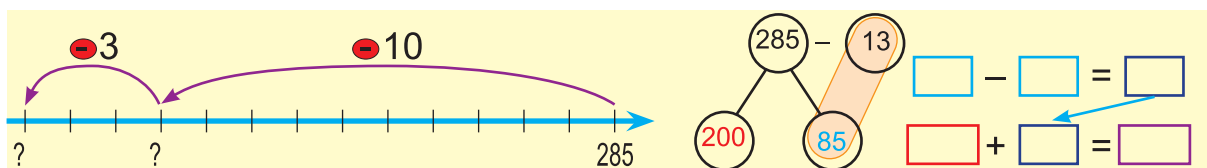
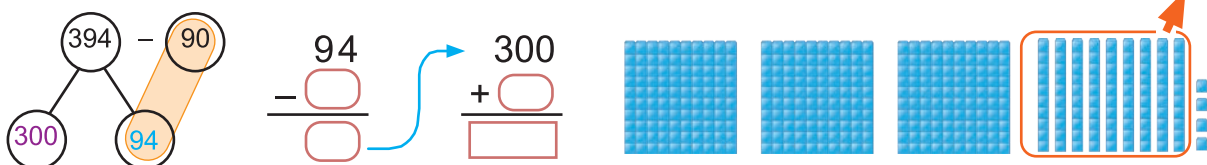
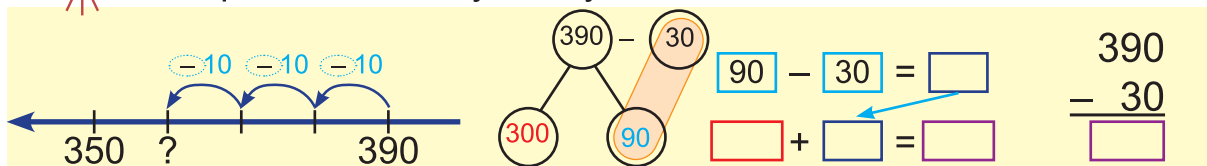


892 - 7 - 8

2-nji bap.
12-nji ders

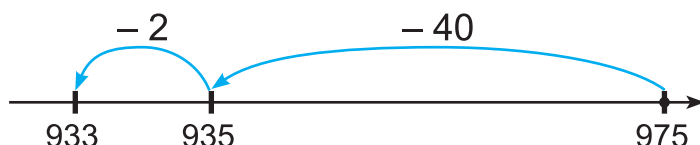
1000 ichinde sanlary aýyrmak usullary

1.  Hasaplamalar nähili ýerine ýetirilen?



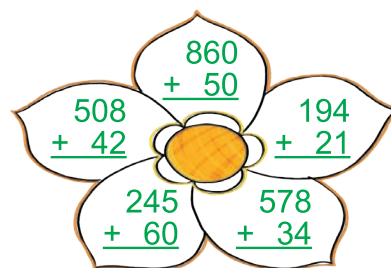
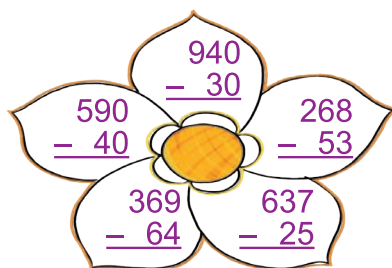
580 - 40 875 - 50 685 - 30 737 - 20 475 - 32 969 - 26

2.  Modelde haýsy aňlatma berlen?



● 402 - 35
● 975 - 42
● 975 - 420

3.  Kim tiz hasaplaýar?



4.  Aýyrmak nähili ýerine ýetirilen? Netijämizi aýdýarys.

627 - 11 = ? 627 - 10 = 617 617 - 1 = ?

	- 11
627	616
355	

	- 11
784	
462	

	- 11
191	
533	

	- 11
279	
848	

5.  Näbelli kemeliji we kemeldijileri tapýarys.

$$\begin{array}{r} 150 \\ - 70 \\ \hline 140 \end{array}$$

$$\begin{array}{r} 168 \\ - 6 \\ \hline 101 \end{array}$$

$$\begin{array}{r} 3 \blacklozenge 4 \\ - 71 \\ \hline 323 \end{array}$$

$$\begin{array}{r} 680 \\ - \blacksquare 0 \\ \hline 650 \end{array}$$

$$\begin{array}{r} 76 \bullet \\ - 32 \\ \hline 731 \end{array}$$

6.  Dilşad 179 sahypaly kitap okaýar. Ol birinji günü 28 sahypa, ikinji günü birinji gündäkiden 12 sahypa köp okan bolsa, ýene kitaby tamamlamak üçin näçe sahypa okamaly?

7.  Hasaplaýarys.

$$\begin{array}{r} 790 \\ - 60 \\ \hline \end{array}$$

$$\begin{array}{r} 784 \\ - 13 \\ \hline \end{array}$$

$$\begin{array}{r} 448 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 357 \\ - 36 \\ \hline \end{array}$$

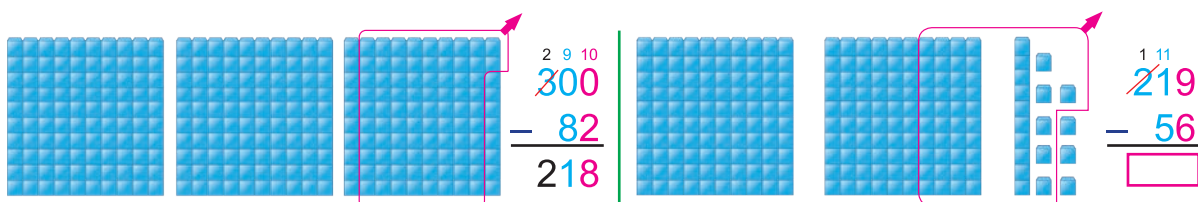
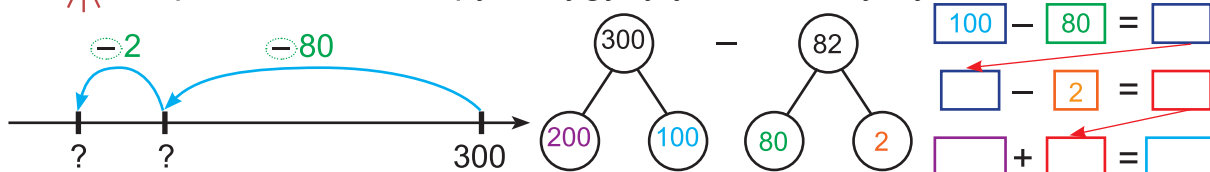
$$\begin{array}{r} 674 \\ - 50 \\ \hline \end{array}$$

$$\begin{array}{r} 927 \\ - 20 \\ \hline \end{array}$$

2-nji bap.
13-nji ders

1000 içinde sanlary aýyrmak usullary

1.  Tapawutlar nähili tapylandygyny ýatda saklaýarys.



$$400 - 58 \quad 600 - 75 \quad 213 - 22 \quad 547 - 93 \quad 732 - 27 \quad 907 - 29$$

2.  Boş öýjüklere laýyk gelýän sanlary tapýarys.



3.  Her şekile laýyk gelýän sanlary tapýarys we aňlatmalary düzýäris.

$$50 + 100 = \triangle + 70 \quad \blacksquare + \triangle = 30 + 90 \quad \blacksquare - \bullet = 100 - \triangle$$

$$\bullet + \triangle + \blacksquare = ?$$

4.  Hasaplaýarys.

$$\begin{array}{r} 409 \\ - 82 \\ \hline \end{array}$$

$$\begin{array}{r} 973 \\ - 54 \\ \hline \end{array}$$

$$\begin{array}{r} 400 \\ - 84 \\ \hline \end{array}$$

$$\begin{array}{r} 645 \\ - 78 \\ \hline \end{array}$$

$$\begin{array}{r} 523 \\ - 65 \\ \hline \end{array}$$

$$\begin{array}{r} 782 \\ - 96 \\ \hline \end{array}$$

5.  Jemi 200 sany şlýapa satylan bolsa, tahýalar sany näçe?



35 sany

? sany

27 sany

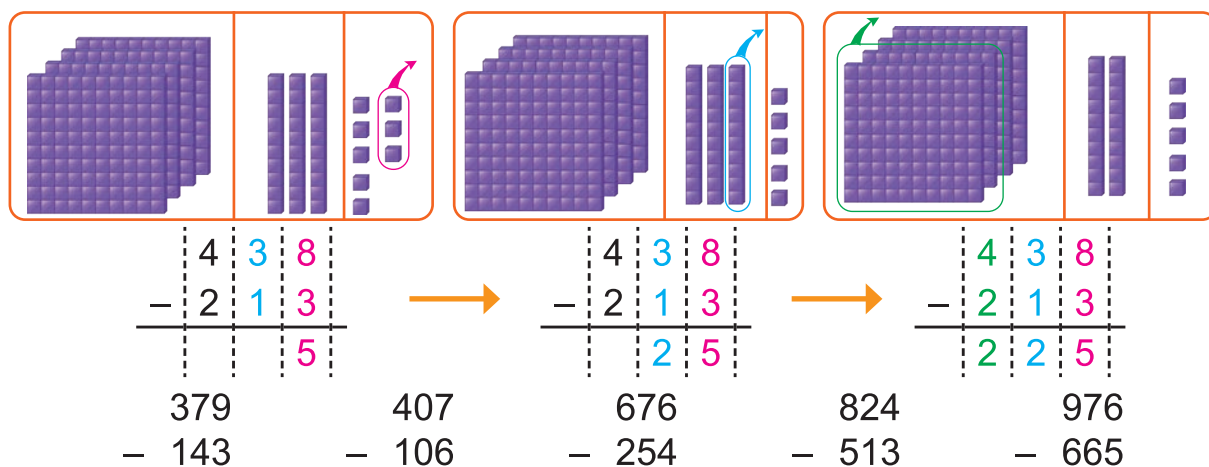
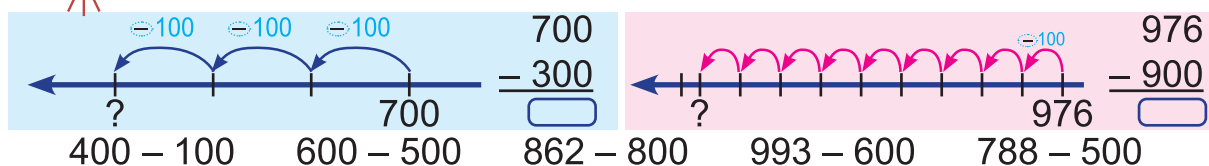
6.  Tapawutlary tapýarys we iň kiçi bahasyny kesgitleýäris.

$$\begin{array}{r} 295 \\ - 83 \\ \hline \end{array} \quad \begin{array}{r} 820 \\ - 46 \\ \hline \end{array} \quad \begin{array}{r} 238 \\ - 96 \\ \hline \end{array} \quad \begin{array}{r} 305 \\ - 18 \\ \hline \end{array} \quad \begin{array}{r} 752 \\ - 64 \\ \hline \end{array} \quad \begin{array}{r} 853 \\ - 89 \\ \hline \end{array} \quad \begin{array}{r} 926 \\ - 47 \\ \hline \end{array} \quad \begin{array}{r} 329 \\ - 13 \\ \hline \end{array}$$

2-nji bab.
14-nji ders

1000 içinde sanlary aýyrmak usullary

1.  Hasaplamalar nähili ýerine ýetirilen?

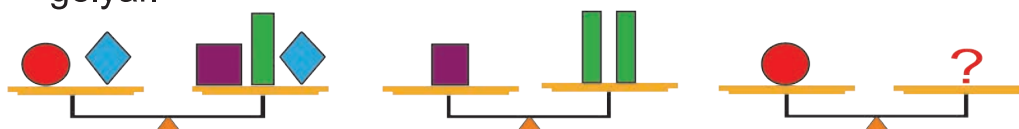


2.  Nusga esasynda hasaplaýarys.

$$\begin{array}{r} 237 \\ - 113 \\ \hline \end{array} = \dots 4 \quad \begin{array}{r} 237 \\ - 113 \\ \hline \end{array} = \dots 24 \quad \begin{array}{r} 237 \\ - 113 \\ \hline \end{array} = 124$$

456 - 124 523 - 312 779 - 645 967 - 256

3.  Terezi deň bolmagy üçin soragyň ýerine haýsy şekiller dogry gelýär.



4.  Restoranda jemi 348 sany pizza taýýarlandy. Olardan 114 sanysy peýnirli we pomidorly, 102 sanysy pomidorly we etli bolsa, kömelekli pizzadan näçe sany taýýarlanan?

5.  Hasaplaýarys. Gabat gelýän jogaplary anyklaýarys.

$$\begin{array}{r} 151 - 9 \\ 910 - 6 \\ 336 - 7 \end{array}$$

904 142 329

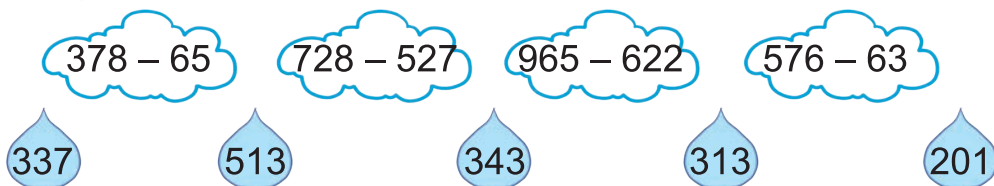
$$\begin{array}{r} 588 - 18 \\ 332 - 32 \\ 493 - 63 \end{array}$$

570 430 300

$$\begin{array}{r} 874 - 444 \\ 345 - 325 \\ 933 - 703 \end{array}$$

430 20 230

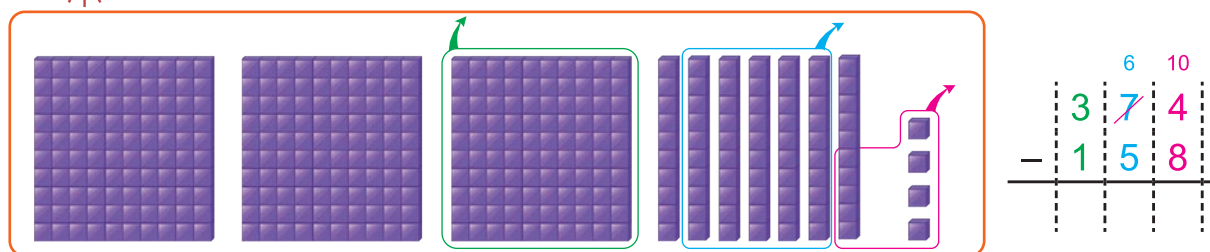
6.  Her bir aňlatmanyň bahasyny tapýarys. Berlen sanlardan haýsysy artykmaç?



2-nji bap.
15-nji ders

1000 içinde sanlary aýyrmak usullary

1.  Modeller esasynda hasaplaýarys.

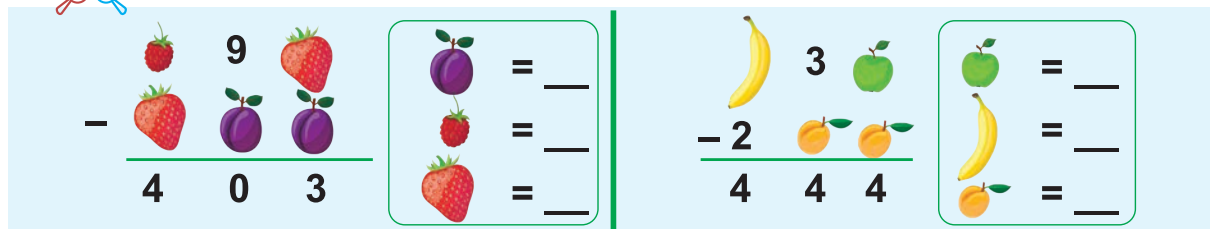


791	423	865	672	961
$- 428$	$- 404$	$- 136$	$- 245$	$- 547$

2.  Tapawutlary tapýarys.

$561 - 435$	$780 - 308$	$835 - 118$	$992 - 278$
-------------	-------------	-------------	-------------

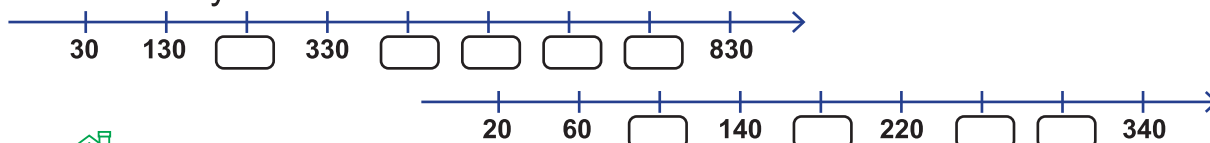
3.  Miweler nähili sifrleri aňladýar?



4.  Gurjak teatrynyň tomaşaçylar zaly 282 orunly. «Garpamyk» teatr tomaşasy üçin 267 sany bilet satyldy. Teatr tomaşaçylar zalynda näçe sany oturgyç boş galdy?



5.  Sanlaryň yzygiderligini logiki dowam etdirýäris.



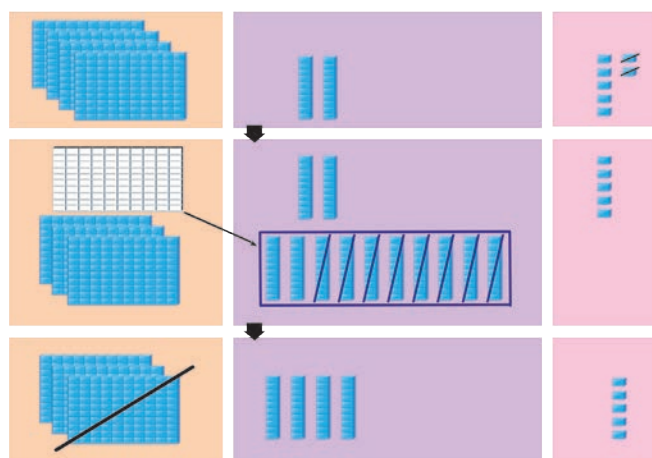
6.  Hasaplaýarys.

191	172	900	580	690	593	785
$- 156$	$- 145$	$- 600$	$- 458$	$- 490$	$- 547$	$- 367$

2-nji bap.
16-njy ders

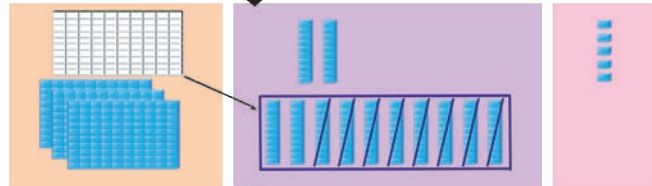
1000 ichinde sanlary aýyrmak usullary

1.  Modeller esasynda hasaplamagy düşündirýäris.



①

y	o'	b
4	2	7
1	8	2
		5



②

y	o'	b
4	2	7
1	8	2
	4	5

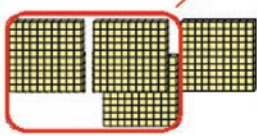
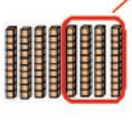


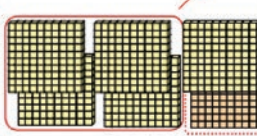
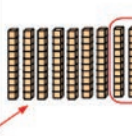
③

y	o'	b
4	2	7
1	8	2
2	4	5

$$\begin{array}{r}
 528 \\
 + 293 \\
 \hline
 \end{array}
 \rightarrow
 \begin{array}{r}
 \\
 - 431 \\
 \hline
 \end{array}
 \rightarrow
 \begin{array}{r}
 \\
 + 310 \\
 \hline
 \end{array}
 \rightarrow
 \begin{array}{r}
 \\
 - 235 \\
 \hline
 465
 \end{array}$$

2.  Nusga esasynda aňlatmalara laýyk modelleri düzüp hasaplaýarys.

ýüzler	onlar	birler
		
482 - 341		
245 - 183	537 - 246	825 - 674

ýüzler	onlar	birler
		
613 - 442		
326 - 184	417 - 295	

3.  Tapawudy hasaplamagyň dilden usulyny görýäris we netijämizi aýdýarys.

tapawudy 479 - 200-e
çalşyp, soň 2-ni
goşýarys.

479 - 200 = 279
279 + 2 = 281

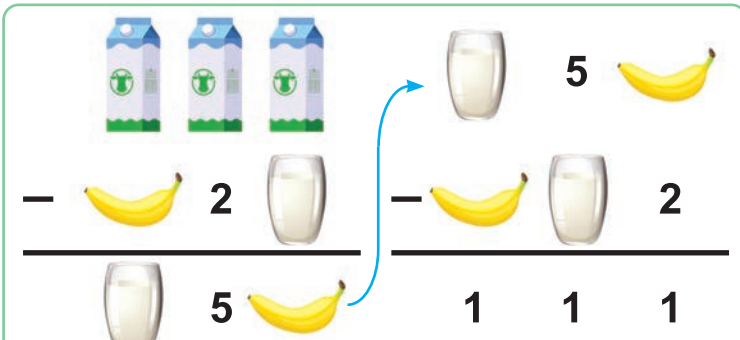
945 - 296

632 - 297

854 - 199

501 - 202

4. 



5

5

5

= ?

= ?

= ?

5. Bölekläp aýyryarys.

$$\begin{array}{r} 547 - 385 - 68 \\ \hline ? \end{array} \quad \begin{array}{r} 489 - 84 - 126 \\ \hline ? \end{array} \quad \begin{array}{r} 376 - 127 - 27 \\ \hline ? \end{array} \quad \begin{array}{r} 678 - 81 - 269 \\ \hline ? \end{array}$$

6. Yzygiderlikde hasaplaýarys.

$$\begin{array}{r} 976 \\ - 243 \\ \hline \end{array} \rightarrow \begin{array}{r} \\ - 167 \\ \hline \end{array} \rightarrow \begin{array}{r} \\ - 103 \\ \hline \end{array} \rightarrow \begin{array}{r} \\ - 96 \\ \hline \end{array} \rightarrow \begin{array}{r} \\ - 143 \\ \hline \end{array}$$

2-nji bab.
17-nji ders

1000 içinde sanlary aýyrmak usullary

1. Modelleriň kömeginde hasaplamalary düşündirýäris.

$$1000 - 300 = ?$$

1000 – 10 sany ýüzlük
300 – 3 sany ýüzlük
10 sany ýüzlükden 3 sany ýüzlügi aýyrsak, 7 tsany ýüzlük galýar. Diýmek, $1000 - 300 = 700$.

$$\begin{array}{r} 1000 - 70 \\ \hline \end{array} \quad \begin{array}{r} 100 - 70 = ? \\ 900 + 30 = ? \end{array} \quad \begin{array}{r} 9 \ 10 \\ \cancel{1}000 \\ - 70 \\ \hline 930 \end{array} \quad \begin{array}{r} 1000 - 370 \\ \hline \end{array} \quad \begin{array}{r} 900 - 300 = 600 \\ 100 - 70 = 30 \\ 600 + 30 = ? \end{array}$$

$$\begin{array}{r} 9 \ 10 \\ \cancel{1}000 \\ - 370 \\ \hline 630 \end{array} \quad \begin{array}{r} 9 \ 9 \ 10 \\ \cancel{1}000 \\ - 325 \\ \hline 675 \end{array} \quad \begin{array}{r} 1000 - 400 \\ 1000 - 60 \\ 1000 - 245 \end{array} \quad \begin{array}{r} 1000 - 900 \\ 1000 - 420 \\ 1000 - 573 \end{array} \quad \begin{array}{r} 1000 - 40 \\ 1000 - 760 \\ 1000 - 666 \end{array}$$

2. Tapawutlary tapýarys.

$$\begin{array}{r} 1000 \\ - 190 \\ \hline \end{array} \quad \begin{array}{r} 1000 \\ - 230 \\ \hline \end{array} \quad \begin{array}{r} 1000 \\ - 431 \\ \hline \end{array} \quad \begin{array}{r} 1000 \\ - 647 \\ \hline \end{array} \quad \begin{array}{r} 1000 \\ - 777 \\ \hline \end{array} \quad \begin{array}{r} 1000 \\ - 820 \\ \hline \end{array}$$

3.

$$\begin{array}{r} \text{3 knives} \\ - \text{1 slice} \\ \hline \end{array} \quad \begin{array}{r} \text{3 slices} \\ - \text{1 slice} \\ \hline \end{array} \quad \begin{array}{r} \text{3 slices} \\ - \text{1 slice} \\ \hline \end{array} \quad \begin{array}{r} \text{3 slices} \\ - \text{1 slice} \\ \hline \end{array} \quad \begin{array}{r} \text{3 slices} \\ - \text{1 slice} \\ \hline \end{array} \quad \begin{array}{r} \text{3 slices} \\ - \text{1 slice} \\ \hline \end{array}$$

4. Kerim we Anora lego bölegini bölüp almakçy. Eger Kerim özüne 528 sany lego bölegini alan bolsa, Anorada näçe sany lego bölegi galar?



5.  Kim tiz hasaplaýar? Netijeler näçä deň?

$$\begin{array}{r} 927 \\ - 415 \\ \hline \end{array} - \begin{array}{r} 207 \\ \hline \end{array}$$

$$\begin{array}{r} 765 \\ - 546 \\ \hline \end{array} - \begin{array}{r} 364 \\ \hline \end{array}$$

6.  Hasaplaýarys. Haýsy aňlatmanyň bahasy iň ulusy?

$$\begin{array}{r} 1000 \\ - \text{yellow box} \\ \hline 126 \end{array}$$

$$\begin{array}{r} 695 \\ - \text{green box} \\ \hline 287 \end{array}$$

$$\begin{array}{r} 582 \\ - 60 \\ \hline \text{yellow box} \end{array}$$

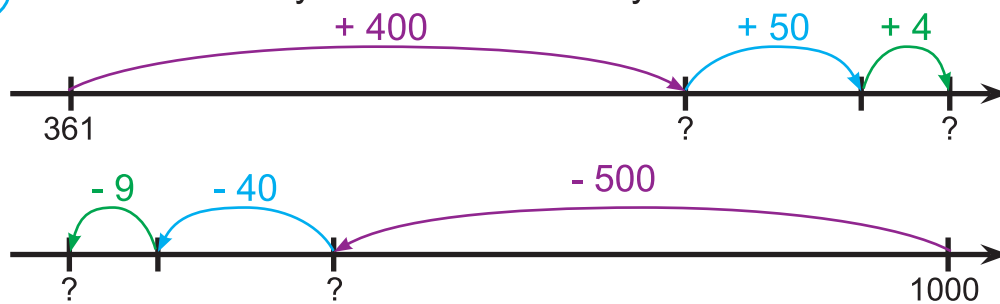
$$\begin{array}{r} \text{green box} \\ - 286 \\ \hline 714 \end{array}$$

$$\begin{array}{r} 849 \\ - \text{yellow box} \\ \hline 217 \end{array}$$

2-nji bab.
18-nji ders

1000 içinde sanlary aýyrmak usullary

1.  Modelleriň esasynda aňlatmalar düzýäris.

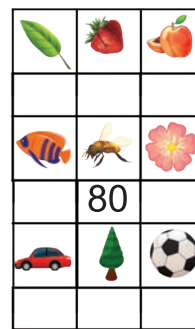
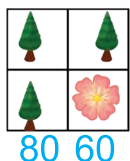


2.  Nusaga esasynda sanlary artdyryýarys we hasaplaýarys.

$$\begin{array}{lll} 16 - 5 = 11 & 160 - 50 = ? & 160 + 500 = ? \\ 8 + 23 = 31 & 80 + 230 = ? & 800 - 230 = ? \end{array}$$

$$34 - 6 \quad 7 + 19 \quad 62 - 3 \quad 4 + 47 \quad 3 + 68 \quad 25 + 7$$

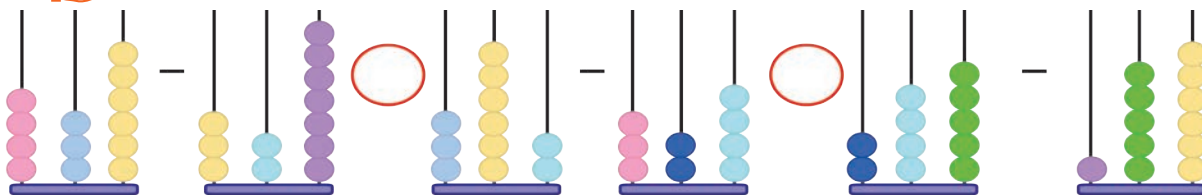
3.  Laýyk gelýän sanlary tapýarys.



4.  Sport enjamlary dükanynda 1000 sany pökgi bar. Jedwelden peýdalanyň hany aýdyň, bowling şarlary näçe sany?

				
284	154	?	379	104

5.  Model esasynda tapawutlary tapýarys we deňeşdirýäris.



6.  Hasaplaýarys.

$$\begin{array}{r} 305 \\ + 126 \\ \hline \end{array} \quad \begin{array}{r} \\ - 315 \\ \hline \end{array} \quad \begin{array}{r} \\ + 666 \\ \hline \end{array} \quad \begin{array}{r} \\ - 493 \\ \hline 289 \end{array}$$

2-nji bab.
19-njy ders

Goşmaga degişli meseleler

1.  Jedwelleri doldurýarys. Kim çalasyn?

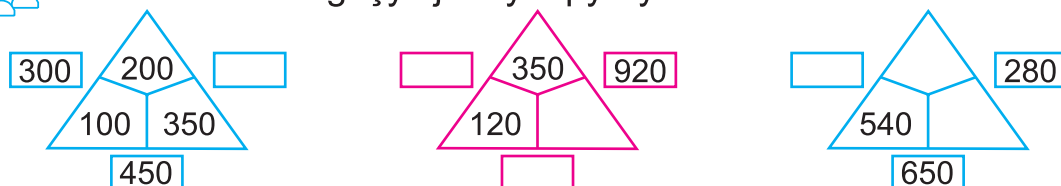
	10 sany az	95 122 289 105 590 874 707 480 399	10 sany köp	
	100 sany az	340 710 530 690 870 900 450 180 260	100 sany köp	

2. 



Tigir sürmek ýaryşy ýodasynyň uzynlygy 870 m. 1-nji baýraga çenli bolan aralyk 360 m we 1-nji baýrakdan 2-nji baýraga çenli bolan aralyk 190 m bolsa, fişişe çenli ýene näçe aralyk bar?

3.  Jem we näbelli goşylujulary tapýarys.



4.  Terezi deň bolmagy üçin nähili jemi goşmak mümkin? Deň bahaly jemleri özbaşdak düzüp bilýärsiňizmi?



5.  Haýsy ýoldan ýöränimizde, öýden sirke tiz ýetip barýarys?



6.  Nusga esasynda netijesi 1000-e deň bolan aňlatmalary düzýäris.

$$100 + 900 = 1000$$

$$250 + 250 + 250 + 250 = 1000$$

500 100 150 200 250 300 350 400 450 500

550 600 650 700 750 800 850 900 950

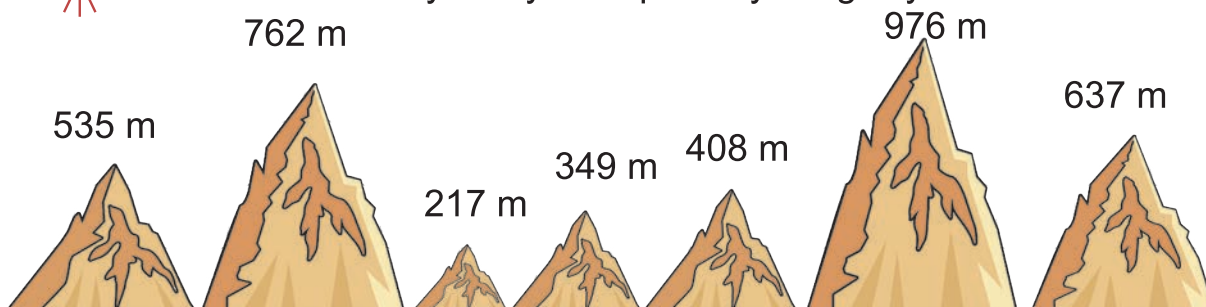
2-nji bap.
20-nji ders

Ayrmaga degişli meseleler

1.  Kakam 35, ejem 32 ýaşda. Meniň ýaşym kakam we ejemiň ýaşynyň jeminden 57-ä kiçi. Meniň ýaşym näçe ýaş?

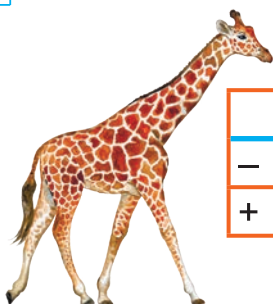


2.  Belentlikleriň arasyndaky aratapawudy kesgitleýäris.



- Iň pes belentlik näçe metr? Haýsy belentligiň beýikligi oňa golaý?
- Iň beýik belentlik bilen iň pes belentligiň arasynda näçe metr aratapawut bar?
- Belentlikleriň beýikligini artýan we kemelýän tertibinde aýdýarys. Kim tiz aýdýar?

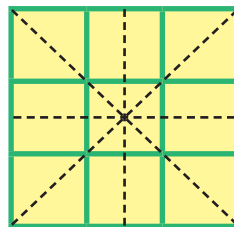
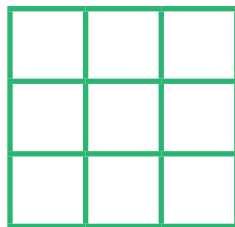
3.  Amatly usulda hasaplaýarys we jedweli doldurýarys.



	209	427	215	370	533	299	643
– 198	11						
+ 109	318						

4.  Sanlary jedwele şeýle ýerleşdiriň welin, ähli tarapdan hasaplanda jem 150-ä deň bolsun.

80	30	10
	20	50
40		60
		90
	70	



5.  Baýram çäresi üçin 183 sany şardan gül ýasaldy. Çäre dowamynda birnäçe sany şar ýarylyp, 171 sany galdy. Ýasalan gülde şarlar näçe sany kemeldi?



6.  Jedwelde awtosalon iki ýylyň dowamynda satan awtomobilleriň sany hakynda maglumat berlen:

	Ýan.	Few.	Mart	Apr.	Maý	Iýun	Iýul	Awg.	Sent.	Okt.	Noý.	Dek.
1-ýyl	85	83	98	102	118	135	88	97	116	83	125	128
2-ýyl	123	106	87	114	90	106	124	113	131	77	92	75

- Her bir ýylda satylan awtomobilleriň sanyny aýlar kesiminde deňeşdirýäris.
- 1-nji ýylyň haýsy aýynda iň az awtomobil satylan?
- 2-nji ýylyň haýsy aýynda geçen aýa görä söwda möçberi iň köp ösen?

2-nji bab.
21-nji ders

Goşmaga we aýyrmaga degişli meseleler

1.  Aňlatmalar size nämäni ýadyňyza saldy? Netijäni aýdýarys.

$$147 + 138 = 285$$

$$138 + 147 = 285 \quad 285 - 147 = 138 \quad 285 - 138 = 147$$

$$243 + 649 = ?$$

$$700 - 278 = ?$$

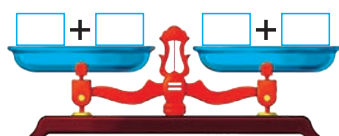
$$329 + 495 = ?$$

2.  Hasan ata ekerançylykdan noýba, mäs we nohut ýygnap aldy.

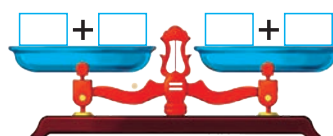
Daýhan atanyň bu ýylky jemi hasylly näçe kilogram bolar? Mäs we noýbanyň jemi agyrlygy nohutdan näçe kilogram köp? Iň az hasyl haýsy joýadan alnan?



3.  Sanlary terezä gabatlap ýerleşdirýäris.



240
180 460
520



200
800 400
600

4.  Ўзбекистан Gyzyly ýarym aý jemgyýeti tarapyndan 225 guty azyk-önümleri, ýyly ýorgan we geýimler taýýarlady. Olardan 78 gutusy azyk-önümleri, 105 gutusy ýyly ýorganlar bolsa, näçe guty geým bar?

5.  Näbelli goşulujylary tapýarys.

$$\begin{array}{|c|c|c|c|c|} \hline 73 & + & \dots & + & 18 \\ \hline + & \blacksquare & + & \blacksquare & + \\ \hline \dots & + & 94 & + & \dots \\ \hline \end{array} = 125$$

$$\begin{array}{|c|c|c|c|c|} \hline \dots & + & 126 & + & \dots \\ \hline + & \blacksquare & + & \blacksquare & + \\ \hline 371 & + & \dots & + & \dots \\ \hline \end{array} = 206$$

140 128 63

$$\begin{array}{|c|c|c|c|c|} \hline \dots & + & 126 & + & \dots \\ \hline + & \blacksquare & + & \blacksquare & + \\ \hline 371 & + & \dots & + & \dots \\ \hline \end{array} = 813$$

$$\begin{array}{|c|c|c|c|c|} \hline \dots & + & 126 & + & \dots \\ \hline + & \blacksquare & + & \blacksquare & + \\ \hline 371 & + & \dots & + & \dots \\ \hline \end{array} = 928$$

796 485 460

6. 



Mekdep sport töwreginde 255 sany okuwçy futbol, basketbol we wolleybol bilen meşgullanýar. 75 sany okuwçy futbol, ondan 50 sany köp okuwçy basketbol oýnaýar. Hany aýdyň, näçe sany okuwçy wolleybol oýnap dur?



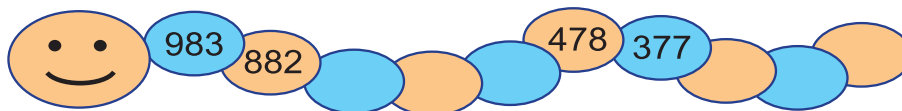
7.  Nusga esasynda jedweli doldurýarys. Jemler nähili üýtgap baryar?

$40 + 50 = 90$	$400 + 500 = 900$	$400 + 50 = 450$	$40 + 500 = 540$
$10 + 70$			
$60 + 30$			
$50 + 10$			
$90 + 10$			
$60 + 40$			

2-nji bap.
22-nji ders

Sanlar we şekilleriň yzygidereligini logiki dowam etdirmek

1.  Sanlar hataryny doldurýarys we aratapawudyny tapýarys.



2.  Şekilleriň yzygidereligini harplar bilen bellemek nähili amala aşyrylan? Ýene-de nähili wariantlar bolmagy mümkin?



3.  Suratlar esasynda gün tertibini dogry yzygiderlikde düzýäris.



07:00



08:00



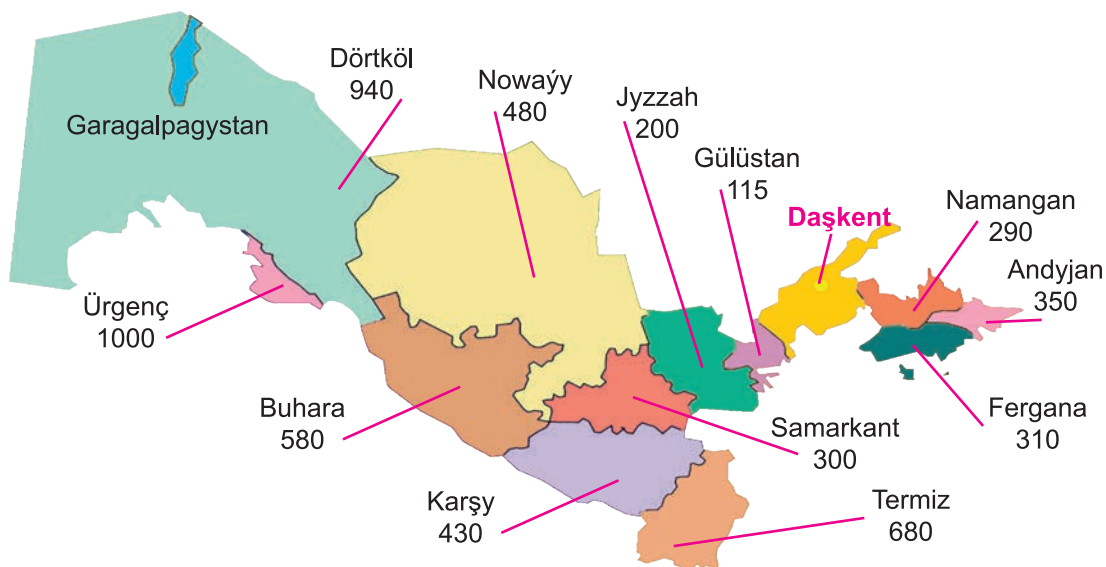
07:30



06:45

Häzir sagat näçe boldy? Sagat 10:00 siz näme bilen meşgullanýarsyňyz?

4.  Kartadan paýtagt bilen şäherleriň arasyndaky aralyklaryny yzygiderlikde aýdýarys we aratapawutlandyryrys.

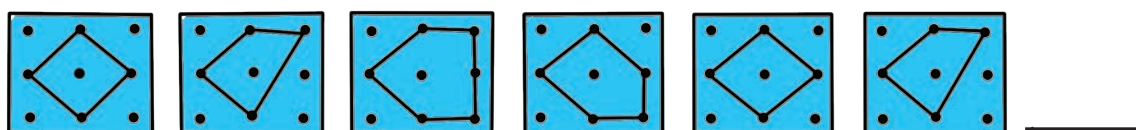


- Paýtagtda iň ýakyn we iň uzak şäherleriň arasynda näçe aralyk bar?
- Biri-birine golaý şäherleri aýdyp bilýärsiňizmi?

5.  Yzygiderligi harplar arkaly aňladýarys we dowam etdirýäris.



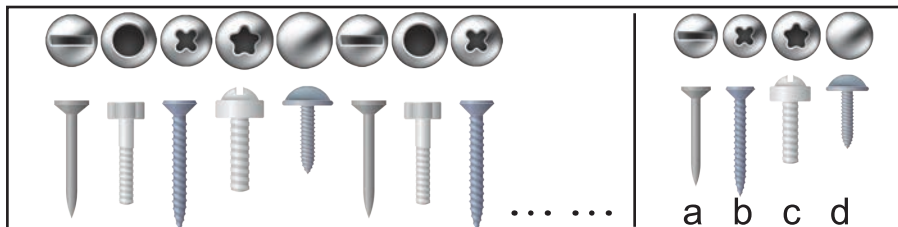
6.  Şekilleri çyzýarys. Soňky şekiller nähili bolar?



2-nji bap.
23-nji ders

Sanlar we şekilleriň yzygidereligini logiki dowam etdirmek

1.  Nokatlaryň ýerine haýsy jogapdaky çüýler gabat gelýär?

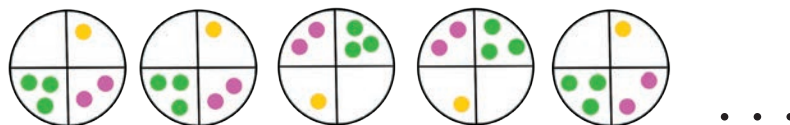


2.  Soňky şekil we oňa laýyk gelýän sany kesgitleýäris.



Laýyk şekillerdäki sanlary deňeşdirýaris we jemini tapýarys.

3.  Tegelekler nähili yzygiderlikde dowam edýänini kesgitleýäris.



8-nji orynda ýerleşýän tegelek we ondaky tegelejikleriň suratyny çekýäris.

4.  Sanlaryň hatary nähili dowam eder?

222, 224, ..., ..., ..., 232, ..., ..., ..., | 2, 4, ..., 16, 32, ..., 128, ...

Ýene-de nähili tertipde şeýle sanlar hataryny düzüp bilýärsiňiz?

5.  12-nji gülden öňki gülüň reňki nähili bolar?



6.  Tegelekleriň kesişen bölegindäki küşt däneleri näme üçin ýaşyl reňkde?

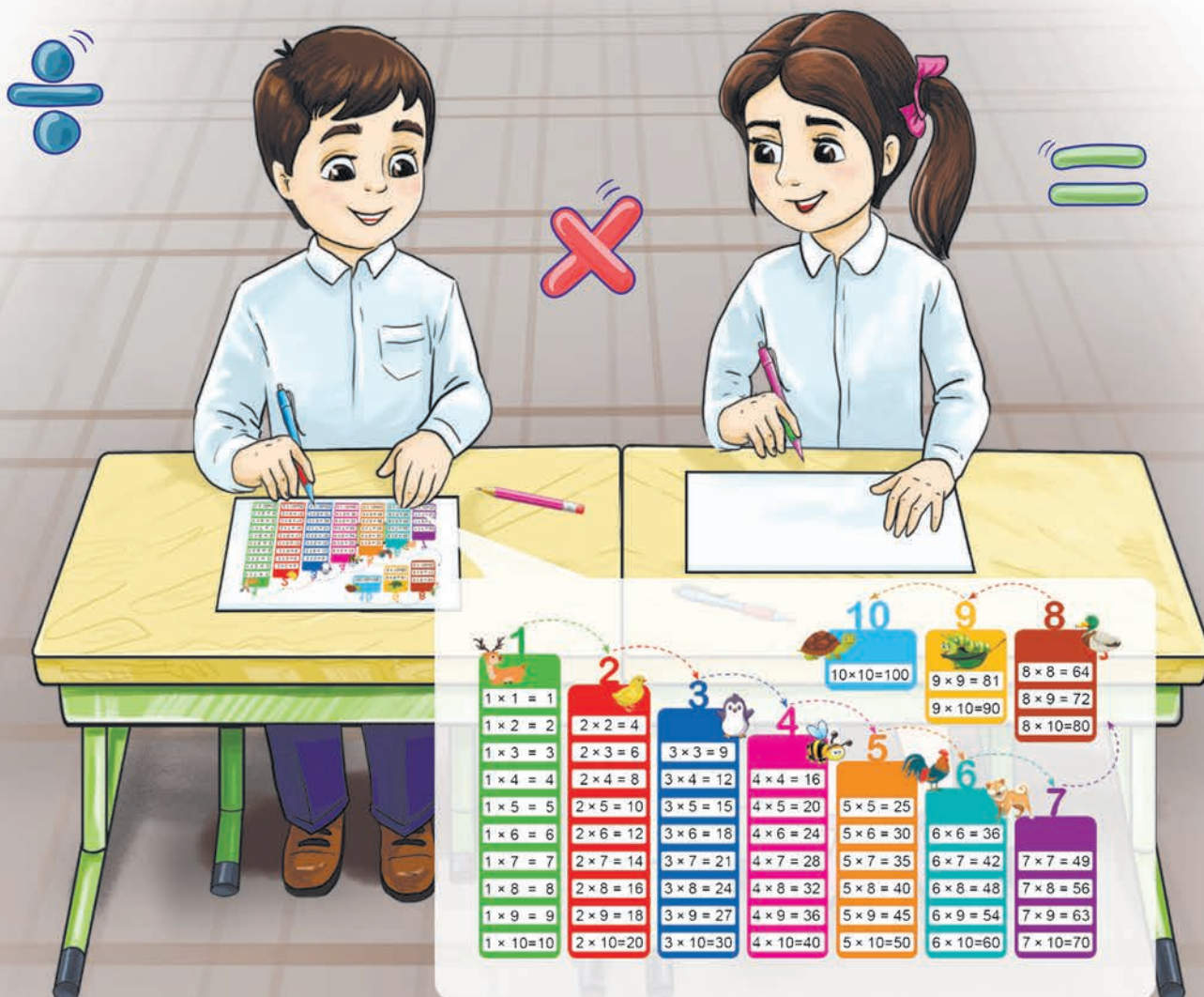


Küşt däneleriniň sanyny kesgitleýäris. Her bir reňkdäki küşt däneleriniň sanyny yzygiderlikde ýerleşdirenimizde, nähili 3 belgili san emele gelýär? Bu sifrler arkaly ýene-de nähili üç belgili sanlary ýazyp bilýärsiňiz?

3-nji bap

SANLARY KÖPELTMEK WE BÖLMEK

	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144



3-nji bap.
1-nji ders

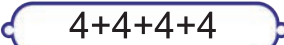
Ики белgili sany bir belgili sana köpeltmek

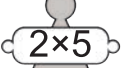
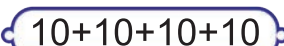
1.  Birmeñzeş goşulyjylaryň jemine laýyk gelyän köpeltmek hasylyny tapýarys.





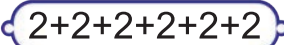








2. 







10 10 10 10 10

5 sany 10 sanylyk = $5 \times 10 = 50$

Sany 10-a köpeltmek üçin bu sanyň sag tarapyna bir sany nol goýýarys.





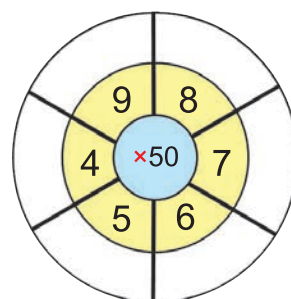
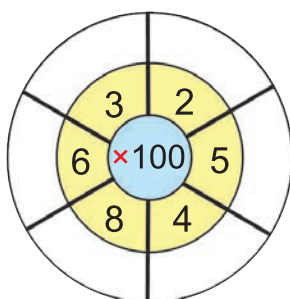
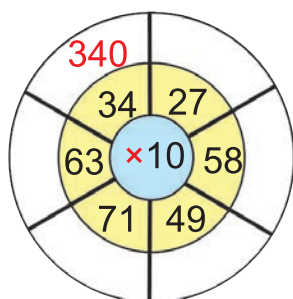


100 100 100 100 100

5 sany 100 sanylyk = $5 \times 100 = 500$

Sany 100-e köpeltmek üçin bu sanyň sag tarapyna iki sany nol goýýarys.

3.  Hasaplaýarys.



4.  Jemi 5-ä deň bolan 6 sanyň köpeltmek hasylyny tapýarys.
5.  Ýaş kitap söýüjiler bäsleşiginde 1-nji ýyly 52 sany, 2-nji ýyly ondan 10 esse köp okuwçy gatnaşdy. Ýaş kitap söýüjiler bäsleşiginde 2 ýylda jemi näçe sany okuwçy gatnaşypdyr?

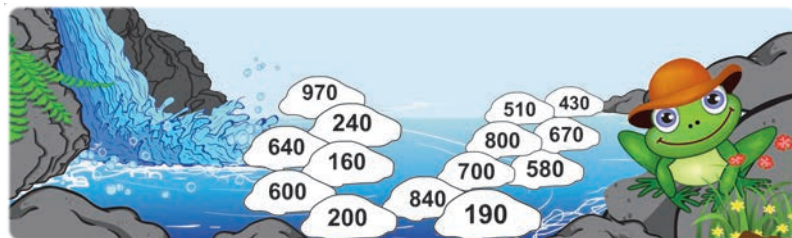
6. Hasaplayars.

8×10	11×10	36×10	29×10	24×10	4×100
9×100	10×10	6×10	68×10	75×10	81×10

3-nji bap. 2-nji ders

Iki belgili sany bir belgili sana köpeltmek

1. Gurbaga haýsy daşlara bökýär? Laýyk gelýän jogaplary tapýars.



24×10	6×100
67×10	8×100
51×10	7×100
19×10	84×10
16×10	64×10

OI bökmedik daşlardaky sanlaryň iň kiçisi haýsy?

2. Sekizaýaklaryň jemi aýaklarynyň sany näçe sany?



8 → 16 → → → → → → → → ?

$$\begin{array}{l} 12 \times 8 \\ \begin{array}{cc} 10 & 2 \end{array} \end{array} \begin{array}{l} < \\ > \end{array} \begin{array}{l} 10 \times 8 = ? \\ 2 \times 8 = ? \end{array} \begin{array}{l} < \\ > \end{array} \begin{array}{l} \square + \square = ? \end{array}$$

Kekenelerde jemi näçe sany hal bar?

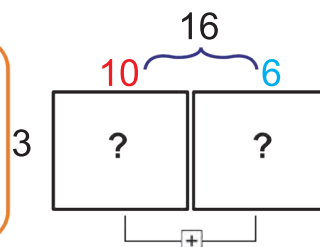


7 → 14 → 21 → ? → ? → ? → ? → ? → ? → ? → ? → ? → ? → ?

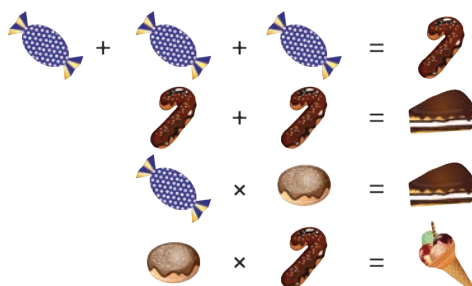
3. Näçe sany okuwçy robototehnika bilen meşgullanýar?



«Barkamol avlod» («Barkamol nesil») çagalar merkeziniň robototehnika gurnaklarynda 3 sany toparda 16 sanydan okuwçy bar.



4.



5. Hasaplayarys.

$$\begin{array}{r} 25 \times 3 \\ 3 \end{array}$$

$$\begin{array}{r} 19 \times 5 \\ 5 \end{array}$$

$$\begin{array}{r} 15 \times 7 \\ 7 \end{array}$$

$$\begin{array}{r} 17 \times 4 \\ 4 \end{array}$$

$$\begin{array}{r} 21 \times 2 \\ 2 \end{array}$$

$$\begin{array}{r} 33 \times 3 \\ 3 \end{array}$$

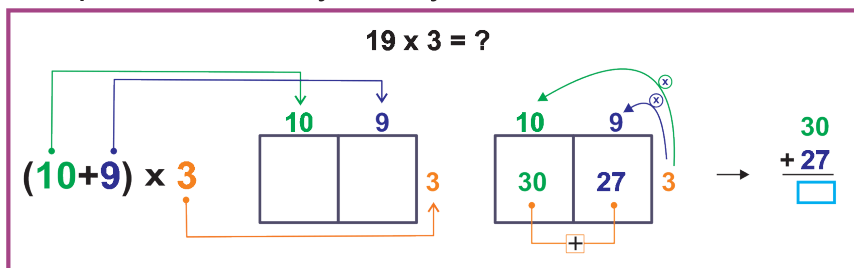
6. Hasaplayarys we netijeleri deňeşdirýäris?

16×4 $\bigcirc$ 23×3 15×6 $\bigcirc$ 17×5 11×8 $\bigcirc$ 11×9
 28×2 $\bigcirc$ 12×6 24×4 $\bigcirc$ 19×2 26×4 $\bigcirc$ 52×2

3-nji bab.
3-nji ders

Iki belgili sany bir belgili sana köpeltmek

1. Köpeltmek nähili ýerine ýetirilen?



17×5
 22×4
 13×7
 45×2
 65×3
 31×4

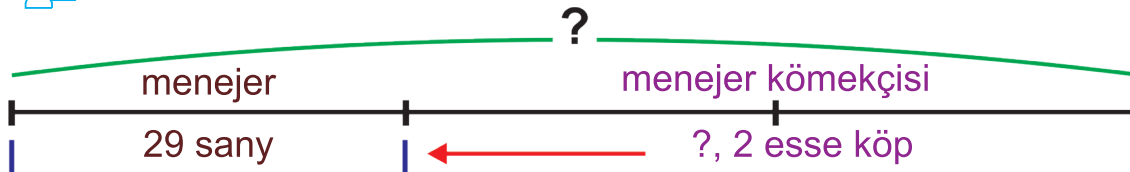
2. Jemi köpeltmek bilen çalyşyarys.

$$\begin{array}{r} 3 \ 4 \\ + 3 \ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \ 4 \\ \times \quad 2 \\ \hline \end{array}$$

$24 + 24$ $43 + 43$ $41 + 41$
 $14 + 14$ $33 + 33$ $11 + 11$
 $23 + 23 + 23$ $32 + 32 + 32$

3. Kärhanada jemi näçe sany işçi işleýär?



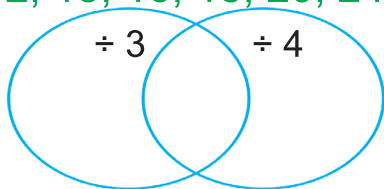
4.

$\text{raspberry} + \text{raspberry} + \text{raspberry} + \text{raspberry} = \text{strawberry} \times \text{raspberry}$
 $\text{blueberry} \times \text{strawberry} = \text{strawberry} + \text{strawberry} + \text{strawberry}$
 $\text{blueberry} + \text{blueberry} + \text{blueberry} + \text{blueberry} + \text{blueberry} = \text{raspberry} \times \text{blueberry}$

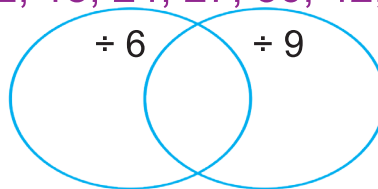
$\text{raspberry} = \underline{\hspace{2cm}}$
 $\text{strawberry} = \underline{\hspace{2cm}}$
 $\text{blueberry} = \underline{\hspace{2cm}}$

5.  Wenn diagrammalarynyň her bir bölegine berlen sanlardan gabat gelýänini ýerleşdirýäris.

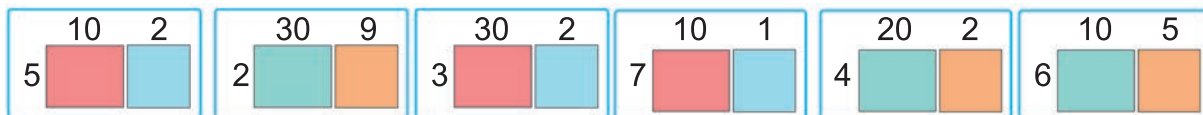
6, 8, 12, 15, 16, 18, 20, 24



12, 18, 24, 27, 36, 42, 45, 54



6.  Aňlatma düzüp, amatly usullarda hasaplaýarys.



3-nji bap.
4-nji ders

Iki belgili sany bir belgili sana köpeltmek

1.  Köpeltmek hasyly hasaplanan?

$36 \times 4 = ?$
 $\begin{array}{|c|} \hline 30 \\ \hline \end{array} \times \begin{array}{|c|} \hline 4 \\ \hline \end{array} = \begin{array}{|c|} \hline ? \\ \hline \end{array}$
 $\begin{array}{|c|} \hline 6 \\ \hline \end{array} \times \begin{array}{|c|} \hline 4 \\ \hline \end{array} = \begin{array}{|c|} \hline ? \\ \hline \end{array}$
 $\begin{array}{|c|} \hline 24 \\ \hline \end{array} + \begin{array}{|c|} \hline 120 \\ \hline \end{array} = \begin{array}{|c|} \hline ? \\ \hline \end{array}$
 $\begin{array}{r} \times 36 \\ 4 \\ \hline \\ \hline \end{array}$

25×4

46×6

72×3

68×2

39×5

2.  Hasaplaýarys.

$\begin{array}{r} 72 \\ \times 3 \\ \hline \end{array}$

$\begin{array}{r} 35 \\ \times 2 \\ \hline \end{array}$

$\begin{array}{r} 57 \\ \times 9 \\ \hline \end{array}$

$\begin{array}{r} 41 \\ \times 8 \\ \hline \end{array}$

$\begin{array}{r} 59 \\ \times 9 \\ \hline \end{array}$

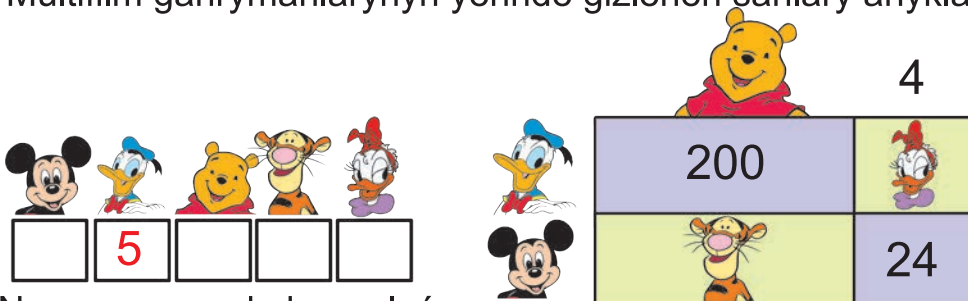
$\begin{array}{r} 68 \\ \times 5 \\ \hline \end{array}$

$\begin{array}{r} 46 \\ \times 6 \\ \hline \end{array}$

3.  Synp otagyna 36 sany, aktiwistler zalyna bolsa, ondan 3 esse köp okuwçy sygýar. Aktiwistler zaly näçe orunly?

Synp otagy we aktiwistler zalyna bir wagtda näçe sany okuwçy sygýar?

4.  Multifilm gahrymanlarynyň ýerinde gizlenen sanlary anyklaýarys.



5.  Nusga esasynda hasaplaýarys.

$32 \times 4 = (30 \times 4) + (2 \times 4) = 120 + 8 = 128$

39×7

56×6

44×5

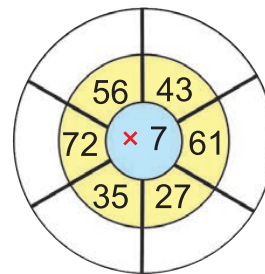
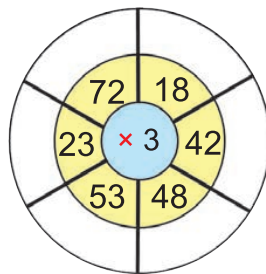
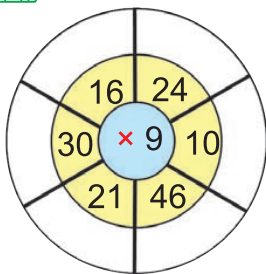
92×3

70×9

67×8

59

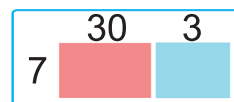
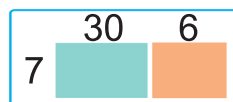
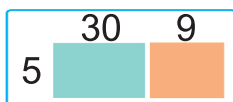
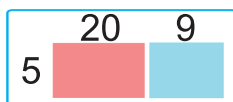
6.  Añlatmalar düzyaris we birmeñzeş jemleri tapýarys.



3-nji bap.
5-nji ders

Iki belgili sany bir belgili sana köpeltmek

1.  Haýsy model 29×5 -i aňladýar? Haýsy model 7×33 -i aňladýar?



2.  Nusga esasynda hasaplaýarys.

$$2 \times 9 \times 5 = (2 \times 5) \times 9 = 10 \times 9 = 90$$

$$3 \times 9 \times 5$$

$$50 \times 9 \times 2$$

$$6 \times 9 \times 5$$

$$10 \times 3 \times 10$$

3.  Ilkinji möwsümde ýyladyşhanada 85 kg hyýar ýetişdirildi. Ýere gaýtadan işlemek berlenden soň, öňküsinden 3 esse köp hasyl alyndy. Indiki möwsümde näçe kilogram köp hyýar hasyly alnypdyr?

4.  Köpeltmek hasylyna laýyk gelýän harplary degişli ýerlere goýup, gizlenen sözi tapýarys.

$$\begin{array}{r} 25 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ \times 7 \\ \hline \end{array}$$

312

225

153

128

344

238

153

258

325

356

5.  Boş öýjükleri doldurýarys we netijämizi aýdýarys.

$$\begin{array}{r} 120 \\ 24 \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 196 \\ 98 \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \square \\ 86 \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} \square \\ 67 \times 8 \\ \hline \end{array}$$

$$98 \times 1 \rightarrow ?$$

$$98 \times 2 \rightarrow ?$$

$$98 \times 3 \rightarrow ?$$

$$98 \times 6 \rightarrow ?$$

6.  Hasaplaýarys.

$$\begin{array}{r} 87 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ \times 9 \\ \hline \end{array}$$

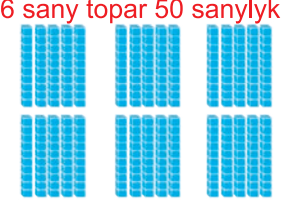
3-nji bap.
6-njy ders

Iki belgili sany bir belgili sana köpeltmek

1.  Hasaplamalar nähili ýerine ýetirilen?

50

6 sany topar 50 sanylyk



6 × 50 = ?

3

6 sany topar 3 sanylyk



6 × 3 = ?

$$\begin{array}{r} 1 \\ 53 \\ \times 6 \\ \hline ??8 \end{array}$$

48×7
 84×5
 $\begin{array}{r} 32 \\ \times 8 \\ \hline \end{array}$

67
 $\begin{array}{r} 67 \\ \times 3 \\ \hline \end{array}$

2.  Amatly usulda hasaplaýarys we netijeleri deňeşdirýäris.

$29 \times 3 \times 4$ ○ 7×28 $9 \times 3 \times 6$ ○ 3×50 32×4 ○ $4 \times 5 \times 7$
 $2 \times 33 \times 3$ ○ 6×40 $9 \times 8 \times 5$ ○ 5×73 61×1 ○ 1×63

3.  Kartoçkalaryň kömeginde aňlatmalary nusgadaky ýaly taýýarlaýarys. Siz nähili aňlatmany emele getirip bilýärsiňiz?

$2 \quad 6 \quad \times \quad 1 \quad 0$

$2 \quad 6 \quad 0$

$8 \quad 9 \quad \times \quad 1 \quad 0$

4.  10 ×  = 80 × 5

60 ×  = 9 × 20

 ×  =  × 

 ×  = 6 × 

 = ?

 = ?

 = ?

 = ?

5.  Aňlatmalaryň bahalary dogry hasaplananmy?

$(9 + 7) \times 4 - 12 = 52$ $700 - 155 + 55 \times 5 = 817$
 $155 + 80 - 40 \times 2 = 155$ $111 + 889 - 40 \times 9 = 604$

6.  Daşkent metropoliteni wagony 48 sany ýolagçy üçin niýetlenen bolsa, dört sany wagonly otly bir wagtda näçe sany ýolagçy üçin hyzmat edýär?

7.  Hasaplap, dogry jogaby tapýarys.

86



68

34×2

432



224

56×4

445



405

81×5

552



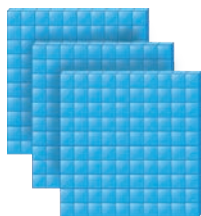
225

69×8

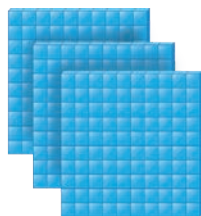
3-nji bep.
7-nji ders

Üç belgili sany bir belgili sana köpeltmek

1.  Köpeltmek hasyly nämä deň? Hasaplamagy düşündirýäris.



100×3



200×2

3 sany ýüzlükgi 2
esse artdyrsak, 6 sany
ýüzlük bolar.
Diýmek, $300 \times 2 = 600$.

300×3

400×1

500×2

$$\begin{array}{r} 300 \\ + 300 \\ \hline 600 \end{array}$$

$$\begin{array}{r} 300 \\ \times 2 \\ \hline 600 \end{array}$$

2.  Amatly usulda köpeldýäris.

$100 \times 2 \times 3$

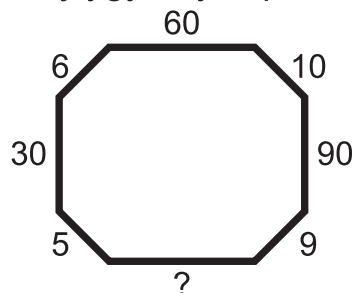
$200 \times 2 \times 2$

$500 \times 1 \times 2$

$700 \times 0 \times 1$

3.  Konditer önümleri fabrikasynda bir günde 300 kg-dan 3 esse un, 200 kg-dan 4 esse şeker sarplanýar. Bir günde sarplanan un we şekerin aratapawudy näçe? Bir hepdede näçe?

4.  Kanunylygy anyklap, näbelli sany tapýarys.



8	5	7	43
2	6	3	20
8	4	9	44
6	2	5	?

5.  Berlen sanlary artýan we kemelýän tertipde ýazýarys.

900 190

109

690 69

960

>>>>>

<<<<<

6.  Hasaplaýarys.

300×2

400×2

500×1

200×3

100×7

600×0

$700 \times 0 \times 7$

$800 \times 1 \times 1$

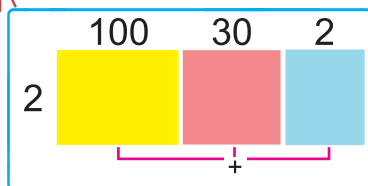
$400 \times 2 \times 1$

$500 \times 1 \times 2$

3-nji bap.
8-nji ders

Üç belgili sany bir belgili sana köpeltmek

1.  Hasaplamagy düşündirýäris.



$$\begin{aligned} 2 \times 100 &= ? \\ 2 \times 30 &= ? \\ 2 \times 2 &= ? \end{aligned}$$

	1	3	2
+	1	3	2

	1	3	2
x			2

2.  Hasaplaýarys.

$$\begin{array}{r} 304 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 213 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 423 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 410 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 231 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 201 \\ \times 4 \\ \hline \end{array}$$

3.  Boş öýjüklere laýyk gelýän sanlary goýýarys.

a.

	4		4
x			2
	8	2	8

b.

	1	2	2
x			
	4	8	8

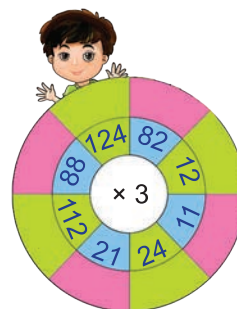
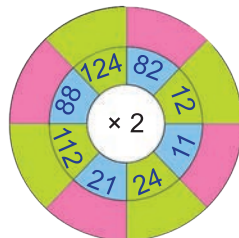
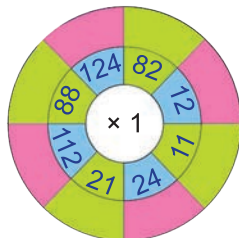
c.

	2	0	0
x			
	6	0	0

d.

			2
x			4
	3	2	8

4.  Köpeltmegi ýerine ýetirýäris. Kim tiz tapýar?



5.  Bir sagatda bankomatdan 111 sany müşderi peýdalananda, ondan 3 sagatda näçe sany müşderi peýdalanýar? 5 sagatda näçe müşderi peýdalanýar?

6.  Haýsy çaga nämä laýyk gelýär?



4×112



936



3×231



448



2×43



693



663



86



3×312

7.  Hasaplaýarys.

$$433 \times 2 \quad 111 \times 3 \quad 241 \times 3 \quad 400 \times 3 \quad 344 \times 2$$

3-nji bap.
9-njy ders

Üç belgili sany bir belgili sana köpeltmek

1.  Hasaplamalary düşündirýäris.

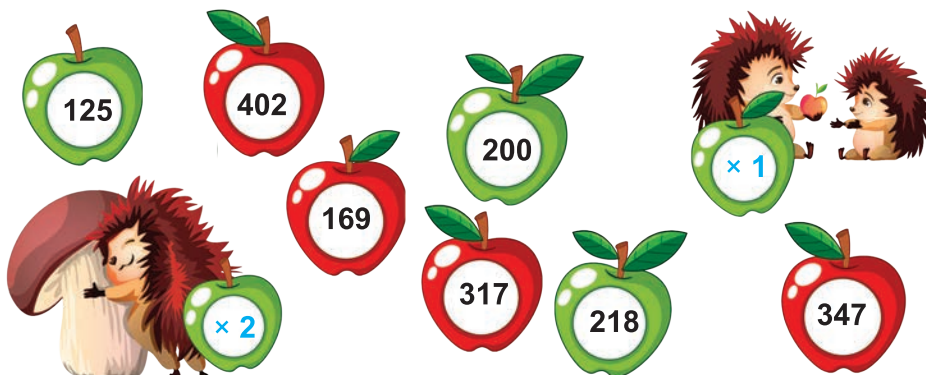
$$224 \times 3 = ?$$

200 × 3 = ?
20 × 3 = ?
4 × 3 = ?

		1	
	2	2	4
×			3
	6	7	2

$$\begin{aligned} 246 \times 2 \\ 124 \times 4 \\ 327 \times 3 \\ 418 \times 2 \end{aligned}$$

2.  Berlen sanlary ilki 1-e, soň 2-i sanyňa köpeldýäris.



3.  Şerzad klawiaturada 10 minutda 124 sany, uýasy bolsa ondan 4 esse köp söz ýazýar. Olar bilelikde 10 minutda näçe sany söz ýazýar?

4.  Her bir şekile laýyk gelýän sanlary tapýarys.

			6
×			
			2

	1		
×			6
	8		4

	2		8
×			
			4

● = _ ▼ = _ ◆ = _

● = _ ▼ = _

● = _ ▼ = _ ◆ = _

5.  Hasaplaýarys.

$$\begin{array}{r} 162 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 414 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 205 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 318 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 125 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 143 \\ \times 5 \\ \hline \end{array}$$

6.  Iň uly üç belgili san we iň kiçi iki belgili san tapawudy bilen iň kiçi üç belgili san we iň uly iki belgili san jemini deňeşdirýäris.

7.  Nusga esasynda hasaplaýarys.

$$118 \times 2 = ?$$

100 10 8

	1	1	8
+	1	1	8

	1	1	8
×			2

$$123 \times 4$$

$$225 \times 3$$

$$121 \times 5$$

$$307 \times 3$$

$$116 \times 6$$

3-nji bap.
10-njy ders

Üç belgili sany bir belgili sana köpeltmek

1. Köpeltmek nähili ýerine ýetirilen?

	1	1	
	2	5	4
×			3
			2

$$156 \times 2$$

$$243 \times 3$$

$$467 \times 2$$

$$134 \times 4$$

	2	5	
	1	3	9
×			6
			4

$$139 \times 5$$

$$309 \times 3$$

×	200	50	4
3	600	150	12
600 + 150 + 12 = ?			

2. Hasaplaýarys we netijeleri deňeşdirýäris.

$$294 \times 3$$

$$468 \times 2$$

$$359 \times 2$$

$$176 \times 5$$

$$123 \times 8$$

$$745 \times 1$$

$$121 \times 7$$

$$245 \times 3$$

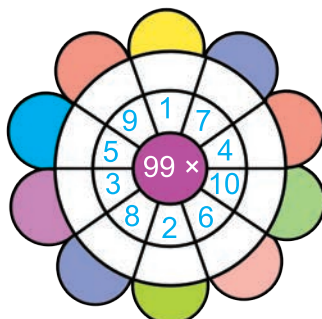
$$242 \times 3$$

$$134 \times 4$$

$$476 \times 2$$

$$475 \times 2$$

3. Bahram kitabdaky 130 sany mysaly, Batyr bolsa ondan 6 esse köp mysaly çözdü. Olar bilelikde näçe sany mysal çözüpdirlir?



5. Hasaplamlary dowam etdirýäris.

$$\begin{array}{r} 248 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 479 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 365 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 136 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 157 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 278 \\ \times 3 \\ \hline \end{array}$$

6. Nusga esasynda köpeltmek hasyllaryny tapýarys.

×	237		
4	200	30	7
	800	120	28

$$112 \times 6$$

$$342 \times 2$$

$$298 \times 3$$

$$473 \times 2$$

$$152 \times 6$$

$$143 \times 5$$

7. Köpeltmek hasylyny tapýarys we olary kemelýän tertibinde ýazýarys.

$$\begin{array}{r} 221 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 475 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 289 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 197 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 423 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 143 \\ \times 6 \\ \hline \end{array}$$

3-nji bap.
11-nji ders

Üç belgili sany bir belgili sana köpeltmek

1.  Netijeleri tapýarys we deňeşdirýäris. Nähili netijä geldiňiz?

$226 \times 4 = ?$ $4 \times 226 = ?$

125×4 412×2
 187×8 386×2

2.  Boş öýjükleri doldurýarys we netijämizi aýdýarys.

$124 \xrightarrow{\times 1} \boxed{?} \xrightarrow{\times 2} \boxed{?} \xrightarrow{\times 4} \boxed{?}$

$124 \xrightarrow{\times 8} \boxed{?}$

$108 \xrightarrow{\times 1} \boxed{?} \xrightarrow{\times 3} \boxed{?} \xrightarrow{\times 3} \boxed{?}$

$108 \xrightarrow{\times 9} \boxed{?}$

$125 \times 4 \times 2 \times 1$

$156 \times 3 \times 2$

$278 \times 0 \times 8 \times 1$

3.  5 günde jemi näçe kilogram üzüm eksporta taýýarlanýar?

	1 sany ýaşikdäki üzümiň mukdary	1 günde eksporta taýýar ýaşikleriň sany
	8 kg	25 sany

4.  Sorag belgisiniň ýerine laýyk gelýän sany tapýarys.

5	4	10	2
5	100	?	5
2	?	?	10
25	2	10	1

50	4	100	2
5	?	?	5
2	?	?	10
250	2	100	1

5.  Deňlik dogry bolmagy üçin amal belgilerini goýýarys.

$14 \bigcirc 6 \bigcirc 116 = 200$

$135 \bigcirc 5 \bigcirc 165 = 510$

$(145 \bigcirc 25) \bigcirc 8 = 960$

$85 \bigcirc 2 \bigcirc 4 = 680$

6.  Hasaplaýarys. Netijeleri kemelýän tertipde ýazýarys.

$\begin{array}{r} 102 \\ \times \quad 8 \\ \hline \end{array}$

$\begin{array}{r} 219 \\ \times \quad 4 \\ \hline \end{array}$

$\begin{array}{r} 127 \\ \times \quad 4 \\ \hline \end{array}$

$\begin{array}{r} 394 \\ \times \quad 2 \\ \hline \end{array}$

$\begin{array}{r} 132 \\ \times \quad 5 \\ \hline \end{array}$

$\begin{array}{r} 315 \\ \times \quad 3 \\ \hline \end{array}$

$\begin{array}{r} 225 \\ \times \quad 4 \\ \hline \end{array}$

3-nji bap.
12-nji ders

Üç belgili sany bir belgili sana köpeltmek

1.  Nusga görä köpeltmek hasyllaryny tapýarys.

$178 \times 3 = ?$

$100 \times 3 = ?$
 $70 \times 3 = ?$
 $8 \times 3 = ?$

$324 \times 3 = ?$
 $300 + 20 + 4$
3

--	--	--

$282 \times 3 = ?$
 $200 + 80 + 2$
3

--	--	--

$437 \times 2 = ?$
 $400 + 30 + 7$
2

--	--	--

$174 \times 5 = ?$
 $100 + 70 + 4$
5

--	--	--

2.  Köpeltmek hasyllaryny tapýarys.

$\begin{array}{r} 289 \\ \times 3 \\ \hline \end{array}$ $\begin{array}{r} 376 \\ \times 2 \\ \hline \end{array}$ $\begin{array}{r} 247 \\ \times 4 \\ \hline \end{array}$ $\begin{array}{r} 468 \\ \times 2 \\ \hline \end{array}$ $\begin{array}{r} 199 \\ \times 5 \\ \hline \end{array}$ $\begin{array}{r} 126 \\ \times 7 \\ \hline \end{array}$

3.  58 den 199 a çenli ähli jübüt sanlary ýazmak üçin näçe sany sifr ulanylýar?

4.  Näbelli sanlary kesgitleýäris. Netijeleri artýan tertibinde ýerleşdirýäris.

	2	4	2
×			
	7		6

	2	4	5
×			
		9	0

	1	1	
×			5
	5		0

	1	4	2
×			
		6	8

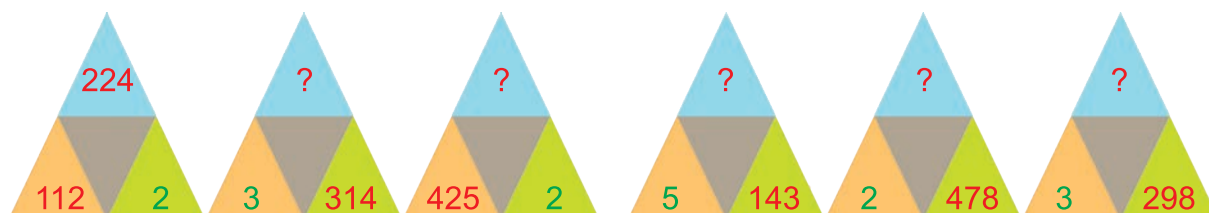
5.  Amatly usul bilen hasaplaýarys we netijeleri deňeşdirýäris.

$25 \times 7 \times 4$ ○ 120×3 $125 \times 3 \times 2$ ○ 135×3 $32 \times 6 \times 5$ ○ 450×2
 $8 \times 17 \times 5$ ○ 175×4 432×2 ○ $5 \times 42 \times 3$ $75 \times 6 \times 2$ ○ 154×4

6.  Uly akwariումda 120 litr suw bardy. Gahryman akwariումa 30 litr suw guýdy, Kamil hem akwariումa 30 litr suw guýdy. Akwariումdaky suw göwrümini nähili hasaplamak mümkin?

A	B	C	D
$120 + (20 + 30)$	$(120 + 30) + (120 + 30)$	$(120 + 30) \times 2$	$120 + (2 \times 30)$

7.  Gizlenen sanlary kesgitleýäris.



3-nji bep.
13-nji ders

Iki belgili sany bir belgili sana bölmek

1.  Hasaplamalary düşündirýäris.

onluk	birlik
10	10
10	10
10	10
10	10

$$84 \div 4 = ?$$

$$80 \div 4 = \square$$

$$4 \div 4 = \square$$

$$\square + \square = \square$$

$$\begin{array}{r} 8 \text{ onluk} + 4 \text{ birlik} \\ - 8 \text{ onluk} \\ \hline 0 \text{ onluk} \quad 4 \text{ birlik} \\ = 4 \text{ birlik} \\ \hline 0 \text{ birlik} \end{array} \quad \begin{array}{r} 4 \\ 21 \\ \hline \end{array} \rightarrow \begin{array}{r} 84 \\ - 84 \\ \hline 04 \\ - 4 \\ \hline 0 \end{array}$$

$$63 \div 3$$

$$42 \div 2$$

$$66 \div 6$$

$$64 \div 2$$

$$48 \div 4$$

$$96 \div 3$$

2.  Hasaplaýarys we paýlary deňeşdirýäris.

$$42 \div 2 \bigcirc 44 \div 4$$

$$48 \div 2 \bigcirc 36 \div 3$$

$$55 \div 5 \bigcirc 50 \div 1$$

$$33 \div 3 \bigcirc 96 \div 4$$

$$62 \div 2 \bigcirc 93 \div 3$$

$$96 \div 3 \bigcirc 96 \div 3$$

3.  Näçe sany okuwçy başdan geçirmeler filmlere gyzyklanýar?

Gülkünç filmlere – 24 sany

Dokumental filmlere – ?, 2 esse az

Başdan geçirmeler filmlere – ?, 3 esse az

? sany

4.  Boş öýjüklere laýyk gelýän sanlary tapýarys.

48	8	
	2	
4		1

	3	24
8	1	
		3

66	2	
	2	
3		3

5.  Aňlatmanyň bahasyny tapýarys.

$$24 \div 2 + 88$$

$$453 - 48 \div 4$$

$$99 \div 9 + 24 \times 9$$

$$63 \div 3 \times 7$$

$$589 + 55 \div 5$$

$$69 \div 3 + 84 \div 4$$

6.  Dürli üç sany sanyň jemi 6-a deň. Olary tapýarys.

7.  Näbelli paýy tapýarys.

48	
2	?
1	?
4	?

66	
1	?
3	?
2	?

84	
2	?
4	?
1	?

8.  Hasaplaýarys.

$$36 \overline{) 3}$$

$$42 \overline{) 2}$$

$$88 \overline{) 4}$$

$$24 \overline{) 2}$$

$$86 \overline{) 2}$$

$$66 \overline{) 3}$$

$$77 \overline{) 1}$$

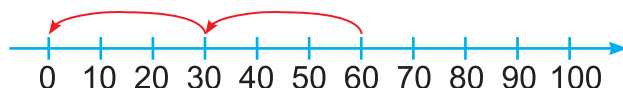
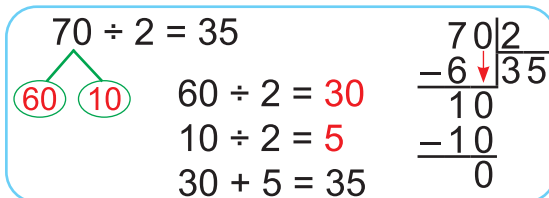
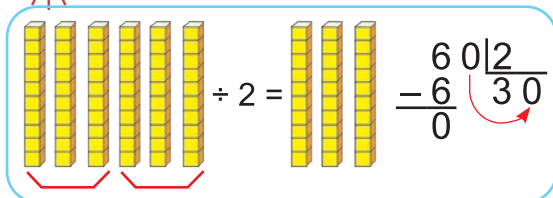
$$28 \overline{) 2}$$

$$96 \overline{) 3}$$

3-nji bap.
14-nji ders

Iki belgili sany bir belgili sana bölmek

1.  Hasaplamalary düşündirýäris.



40 ÷ 2 80 ÷ 4 90 ÷ 9 70 ÷ 2 50 ÷ 2 90 ÷ 2

2.  Deňlemeleri çözüýäris.

$$x \times 2 = 30$$

$$3 \times y = 60$$

$$a \times 5 = 70$$

3.  54 jübüt aýakgap 9 sany gutynyň içine deň ýerleşdi. 90 jübüt aýakgaby ýerleşdirmek üçin näçe sany şeýle guty gerek bolar?

4.  Gizlenen sanlary tapýarys.

96	÷	3	=	
			×	
100	-		=	4
149	-		=	

5.  Ähli sifrleri tak we dürliçe bolan in uly we in kiçi üç belgili sany tapyň.

6.  Madina 3-nji synplar arasynda sowalnama geçirdi we ony jedwelde aňlatdy.

3-nji synpda gök reňki gowy görýän näçe sany okywçy bar? Gyzyly reňki halaýan näçä? Haýsy reňki gowy görýän okywçylar sany başga reňki gowy görýän okywçylar sanyndan 2 esse az?

Halaýan reňkler									
gök									
gyzyl									
sary									
ýaşyl									
	10	20	30	40	50	60	70	80	

7.  Hasaplaýarys.

$$60 \div 5$$

$$80 \div 4$$

$$60 \div 3$$

$$70 \div 5$$

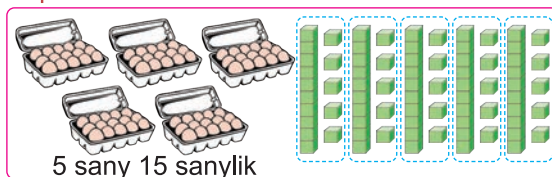
$$90 \div 6$$

$$86 \div 2$$

3-nji bap.
15-nji ders

Iki belgili sany bir belgili sana bölmek

1.  Hasaplamalary düşündirýäris.



$$\begin{array}{r} 75 \overline{) 5} \\ - 5 \\ \hline 25 \\ - 25 \\ \hline 0 \end{array}$$

$$75 \div 5 = 15$$

$$50 \div 5 = \square$$

$$25 \div 5 = \square$$

$$\square + \square = \square$$

$$34 \overline{) 2}$$

$$76 \overline{) 4}$$

$$42 \overline{) 3}$$

$$55 \overline{) 5}$$

$$96 \overline{) 6}$$

$$75 \overline{) 3}$$

2.  Näbelli bölüjini tapýarys.

56	
2	?
1	?
4	?

78	
1	?
3	?
2	?

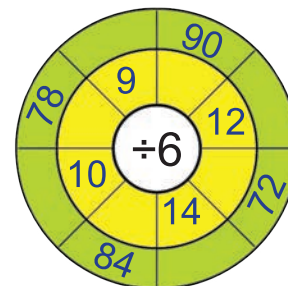
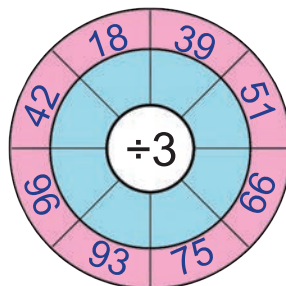
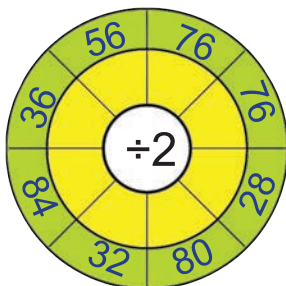
96	
8	?
4	?
6	?

3.  Şlýapa we şarflary näçe usulda geýmek mümkin?



4.  Awtotrellere bir gatnawda 8 sany awtomobil goşulýar. 96 sany awtomobili awtotreller näçe gatnawda eltip bilýär? 24 sany gatnawda näçe sany awtomobili eltiler?

5.  Kim çalasyn?



6.  Hasaplaýarys.

$$\begin{array}{c} 96 \\ \div \\ 1 \ 2 \ 3 \ 4 \ 6 \ 8 \end{array}$$

$$\begin{array}{c} 48 \\ \div \\ 1 \ 6 \ 2 \ 3 \ 8 \ 4 \end{array}$$

$$\begin{array}{c} 72 \\ \div \\ 1 \ 2 \ 6 \ 4 \ 3 \ 8 \end{array}$$

$$\begin{array}{c} 100 \\ \div \\ 1 \ 2 \ 5 \ 4 \ 10 \end{array}$$

7.  Berlen sanlar 2-ä hem, 3-e hem bölünýärmí? 6-a hem bölünýärmí?

24

36

42

66

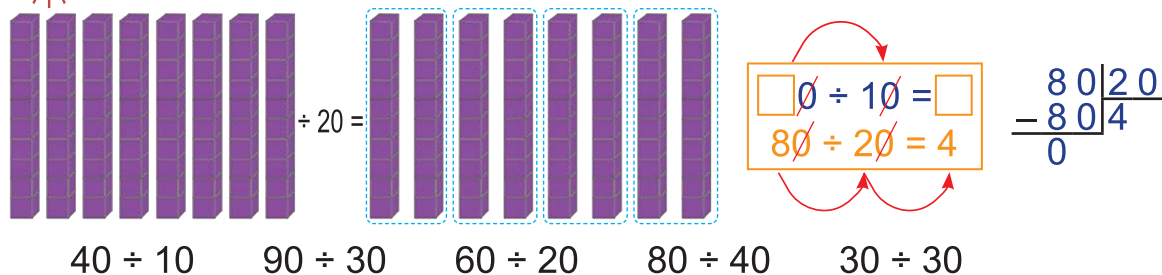
84

96

3-nji bap.
16-njy ders

Iki belgili sany iki belgili sana bölmek

1.  Hasaplamalary düşündirýäris.



2.  Paýlar näçe deň?

40 ÷ 20

50 ÷ 50

80 ÷ 40

90 ÷ 30

100 ÷ 20

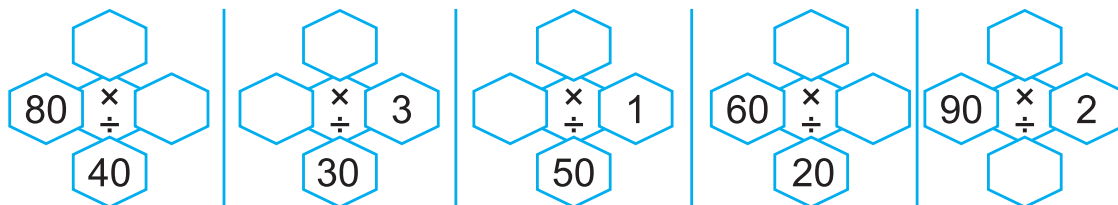
70 ÷ 10

90 ÷ 90

60 ÷ 20

3.  90 sany depder we 30 sany galam 30 sany okuwça deň paýlansa, her bir okuwçy näçe sanydan depder we näçe sanydan galam alar?

4.  Boş öýjükleri doldurýarys.



5.  Dekabr aýynyň ikinji güni hepdäniň şenbe gününe dogry gelýär. 25-nji dekabir hepdäniň haýsy gününe dogry gelýär? Haýsy aýda 28 gün bar? Haýsy aýlarda 30 gün bar?

6.  Hasaplaýarys we netijeleri deňeşdirýäris.

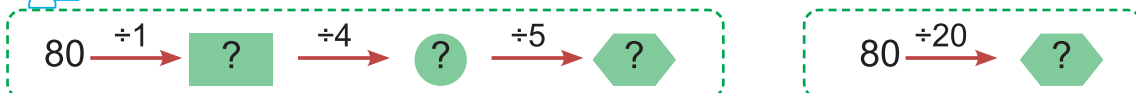
40 ÷ 20 ○ 30 ÷ 10

60 ÷ 20 ○ 50 ÷ 50

80 ÷ 40 ○ 40 ÷ 20

30 ÷ 30 ○ 20 ÷ 10

7.  Boş ýerleri doldurýarys we netijämizi aýdýarys.



8.  Hasaplaýarys.

30 | 30

50 | 10

80 | 40

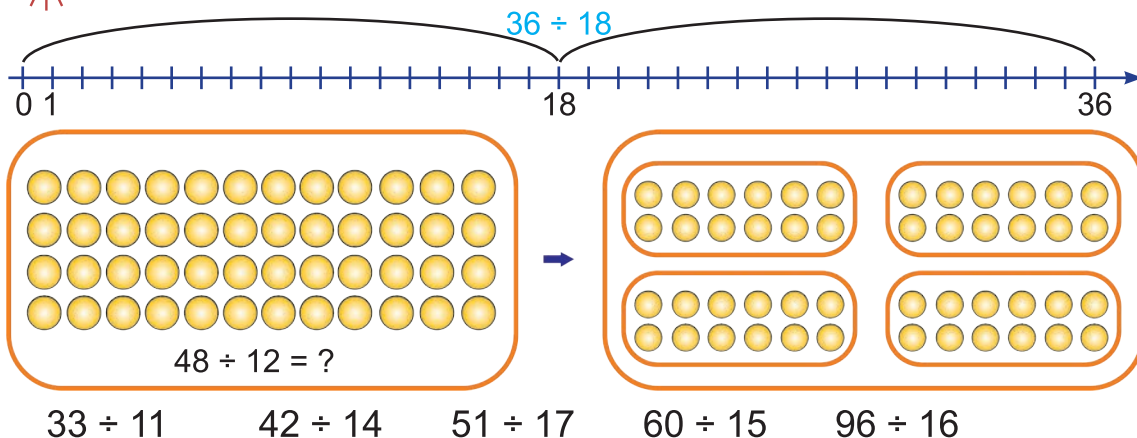
80 | 10

90 | 10

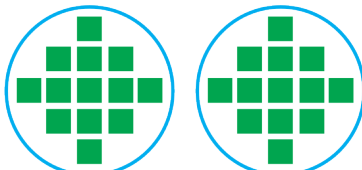
3-nji bap.
17-nji ders

Ики белgili sany iki belgili sana bölmek

1.  Hasaplamalary düşündirýäris



2.  Toparlara bölüşdirýäris we boş öýjükleri doldurýarys.

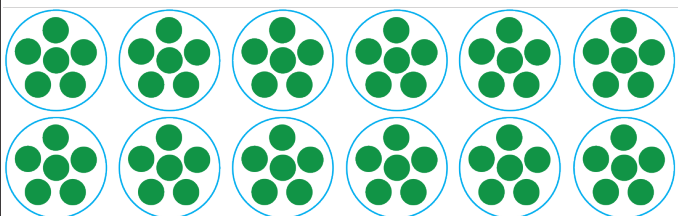


26 sany kwadratjygy 2 sany
13 sanylyk topara bölüşdirýäris.

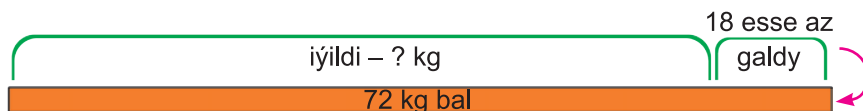


39 sany kwadratjygy ____ sany ____
sanylyk topara bölüşdirýäris.

____ sany tegelegjik ____ sany
____ sanylyk topara
bölünen.



3.  Winni-Puh iýen bal galan baldan näçe esse artyk?



4.  Koreýs arçasy takmynan 5 ýylda 15 cm ösýär. Onuň uzunlygy 1 metre ýetmegi üçin näçe wagt gerek?

5.  Hasaplaýarys.

$50 \overline{) 10}$ $66 \overline{) 33}$ $65 \overline{) 13}$ $85 \overline{) 15}$ $72 \overline{) 18}$ $64 \overline{) 16}$

6.  Hasaplaýarys.

$96 \div 4$ $75 \div 25$ $84 \div 12$ $78 \div 26$ $91 \div 13$ $80 \div 16$

3-nji bap.
18-nji ders

Iki belgili sany bir we iki belgili sana bölmek

1.  Seyilgähdäki elektromobil bir wagtyň özünde 14 sany syýahatçy üçin hyzmat edýär. Dynç alyş günleri syýahatçylar gezelenç etmegi üçin elektromobil näçe gezek gatnaýar?

Günler	Syýahatçylar sany	Gatnawlar sany
Şenbe	70	? sany
Ýekşenbe	84	? sany

2.  Sanlaryň gatnaşmagynda bölmek amalyyna deňişli aňlatmalary düzýäris.

2, 3, 4, 5, 6, 12, 15, 18, 20
24, 30, 36, 63, 75, 84, 96

Nusga: $12 \div 3 = 4$

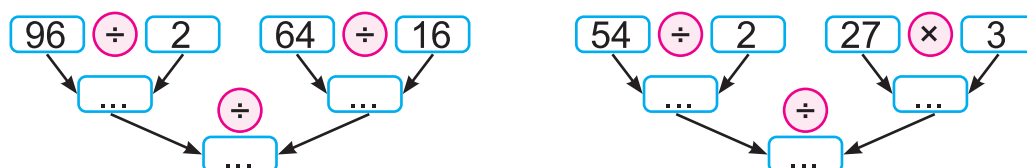
3.  Gizlenen sözi tapýarys.

1	16	4	10	184	13	72

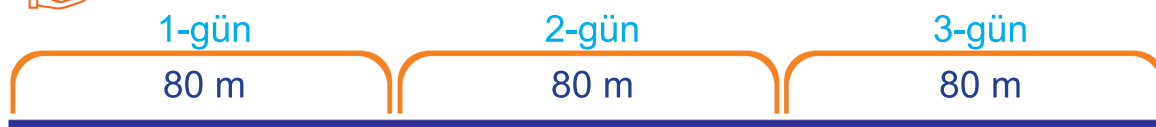
O $91 \div 7$ **E** $80 \div 5$ **T** $40 \div (80 \div 2)$ **F** $200 - 80 \div 5$

N 8×9 **L** $56 \div 14$ **E** $50 \div 5$

4.  Zyzgiderlik esasynda hasaplaýarys.



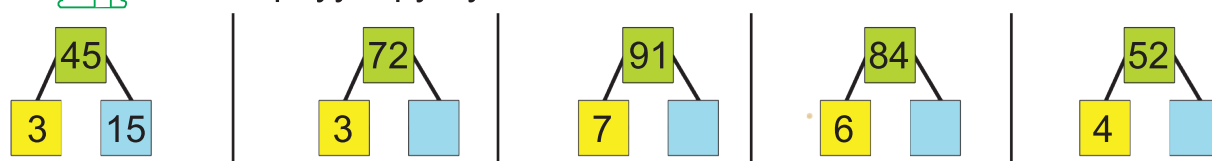
5.  Jemi näçe metr ýol abatlanan? Iki günde näçe?



6.  Şekilleriň ýerine nähili sifrler goýanda, jemi ikä bölünýär?

2 * + 1 * 7 1 * + 5 * 9 * 5 1 + * 6 *

7.  Näbelli paýy tapýarys.

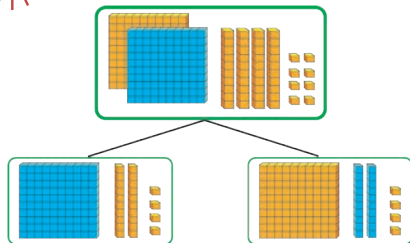


73

3-nji bap.
19-njy ders

Üç belgili sany bir belgili sana bölmek

1.  Model esasynda paýlary tapýarys.



$$\begin{array}{r} 248 \div 2 \\ \hline 200 \div 2 = \square \\ 40 \div 2 = \square \\ 8 \div 2 = \square \\ \square + \square + \square = \square \end{array}$$

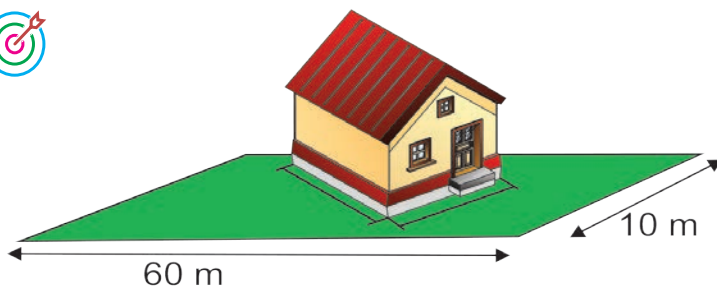
$$\begin{array}{r} 248 \overline{) 2} \\ \underline{2} \\ 04 \\ \underline{4} \\ 08 \\ \underline{8} \\ 0 \end{array}$$

424 ÷ 2 639 ÷ 3 842 ÷ 2 693 ÷ 3 993 ÷ 3 848 ÷ 4

2.  Aňlatmalaryň bahasyny tapýarys.

462 ÷ 2 + 125 1000 - 286 ÷ 2 884 ÷ 2 - 442 555 ÷ 5 + 369 ÷ 3

3. 



Öýüň perimetri howlynyň perimet-
rinden 4 esse kiçi
bolsa, öýüň perimetri
näçä deň?

4.  Näbelli sanlary kesgitleýäris.

1	2	3	1	842	?	1	?
121	242	639	?	2	1	2	628

5.  Hasaplaýarys we netijeleri deňeşdirýäris.

226 ÷ 2 262 ÷ 2 368 ÷ 2 386 ÷ 2 842 ÷ 2 482 ÷ 2 468 ÷ 2 864 ÷ 2

6.  960 sany tigiri
näçe sanydan
transporta ulanmak
mümkin?



7.  Nusga esasynda hasaplap, jedwelleri doldurýarys.

693 ÷ 3		
600	90	3
200	30	1

226 ÷ 2		
		6

369 ÷ 3		
	60	

488 ÷ 4		
	80	

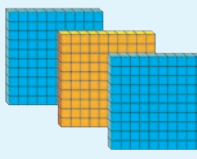
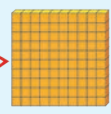
246 ÷ 2		
200		

3-nji bap.
20-nji ders

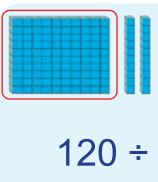
Üç belgili sany bir belgili sana bölmek

1.  Bölmek nähili ýerine ýetirilen?

$300 \div 3$

 $\div$  $\rightarrow$ $300 \div 3 = 100$

$120 \div 3$

 $\rightarrow$ $120 \div 3 = 40$

$600 \div 6$ $800 \div 8$ $900 \div 9$ $560 \div 7$ $270 \div 9$ $360 \div 6$

2.  Añlatmalaryň bahasyny tapýarys.

$(255 + 15) \div 3$ $(630 \div 9) + 123$ $120 \times 3 \div 6$ $483 - (810 \div 9)$

3.  Ene towşan çagasyna seredende 3 esse köp käşir iýýär. Eger ene towşan bir aýda 216 sany käşir iýse, çagasy bir aýda näçe sany käşir iýýär? Ikisi iki aýda näçe sany käşir iýýär?



4.  $540 \div \text{apple} = \text{mushroom} \times \text{pear}$
- $270 \div \text{apple} = 30$
- $360 \div \text{apple} \times \text{pear} = 120$
- $200 \div \text{mushroom} + \text{apple} \times \text{pear} = ?$
- $\text{mushroom} = ?$ $\text{apple} = ?$ $\text{pear} = ?$

5.  Yzygiderlikde hasaplap, boş öýjükleri doldurýarys.

$125 \times 4 \div 2 \div 5 \times 1$

 $\rightarrow$ $\square \rightarrow \square \rightarrow \square \rightarrow \square$ 

6.  120 sanyny şeýle iki sany goşulujylar jemi görnüşinde ýazyň welin, bu goşulujylaryň her biri 3 e bölünsin.

7.  Paýlary deňeşdirýäris.

$400 \div 2$ $600 \div 3$ $140 \div 7$ $700 \div 7$ $500 \div 5$ $200 \div 2$

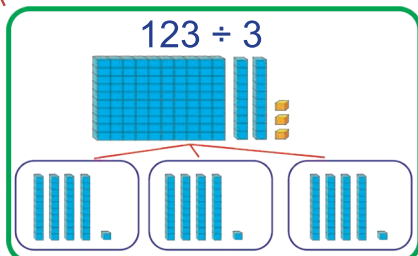
8.  Hasaplaýarys.

$150 \div 3$ $400 \div 4$ $480 \div 6$ $560 \div 8$ $700 \div 7$ $400 \div 5$

3-nji bap.
21-nji ders

Üç belgili sany bir belgili sana bölmek

1.  Paý nähili tapylypdyr?



$123 = 120 + 3$

$120 \div 3 = \square$

$3 \div 3 = \square$

$\square + \square = \square$

$$\begin{array}{r} 123 \overline{) 3} \\ - 12 \downarrow 41 \\ \hline 03 \\ - 3 \\ \hline 0 \end{array}$$

287 ÷ 7 168 ÷ 2 486 ÷ 6 729 ÷ 9 648 ÷ 8 546 ÷ 6

2.  Bölmegi ýerine ýetirýäris. Netijäni artýan tertibinde ýerleşdirýäris.

$250 \div 5$

÷	200	
5		10

$637 \div 7$

÷	630	
7		1

$213 \div 3$

÷	210	
3		1

$728 \div 8$

÷	720	
8		1

$568 \div 8$

		8
	70	

$279 \div 9$

		9
	30	

$183 \div 3$

		3
	60	

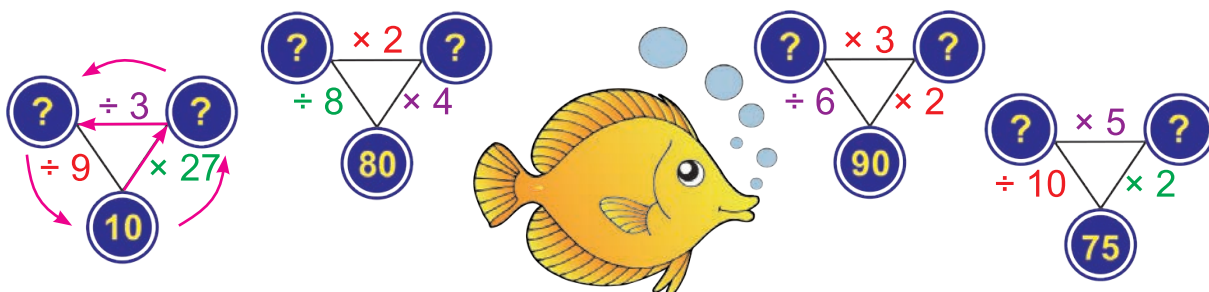
$546 \div 6$

÷		
6		1

3.  Obanyň dürli ýerlerine 150 sany galyndy gaplary 3 sanydan edip ýerleşdirilende, jemi näçe sany ýere galyndy gaplary goýulupdyr?



4.  Näbelli sanlary tapýarys.



5.  Hasaplaýarys.

$248 \overline{) 4}$ $129 \overline{) 3}$ $486 \overline{) 6}$ $164 \overline{) 4}$ $279 \overline{) 9}$ $284 \overline{) 4}$

6.  Hasaplaýarys.

$728 \div 8$ $455 \div 5$ $427 \div 7$ $639 \div 9$
 $244 \div 4$ $486 \div 6$ $684 \div 4$ $325 \div 5$

3-nji bap.
22-nji ders

Üç belgili sany bir belgili sana bölmek

1.  Paý nähili tapylan?

$$\begin{array}{r} \overline{)723} \quad 3 \\ \underline{6} \\ 12 \\ \underline{12} \\ 03 \\ \underline{3} \\ 0 \end{array}$$

$$\begin{array}{r} \overline{)783} \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} \overline{)532} \quad 4 \\ \hline \end{array}$$

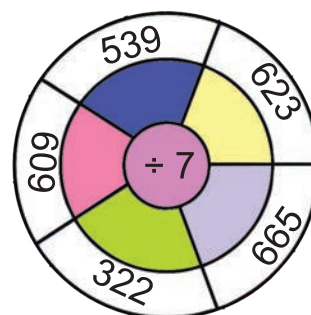
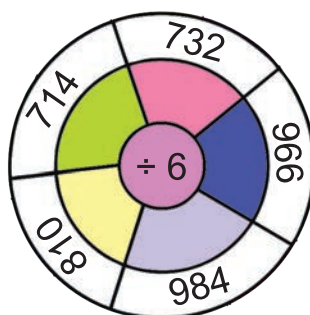
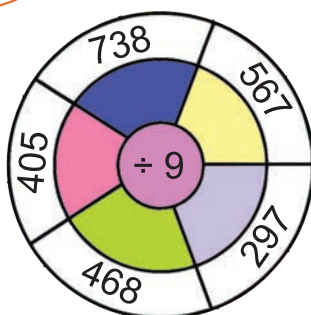
$$\begin{array}{r} \overline{)984} \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} \overline{)625} \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} \overline{)328} \quad 8 \\ \hline \end{array}$$

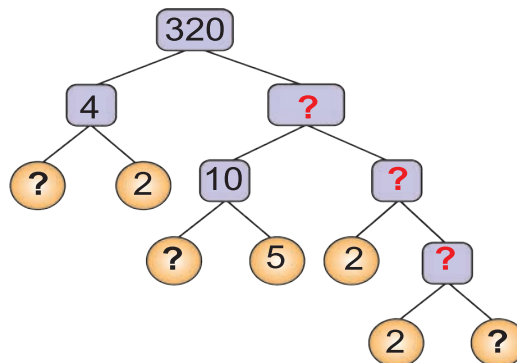
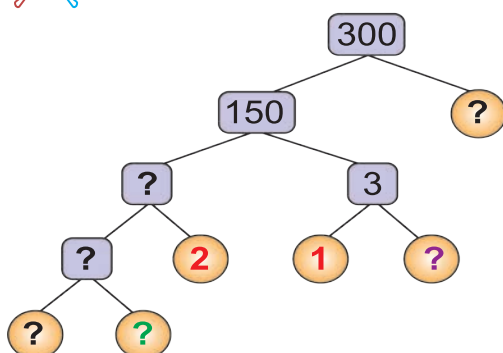
$$\begin{array}{r} \overline{)448} \quad 7 \\ \hline \end{array}$$

2.  Hasaplaýarys. Laýyk gelýän reňkdäki paýlary deňeşdirýäris.



3.  Gurbaga üç ýylda ulalýar. Ol ulalýança rus ak towugy 900 sany ýumurtga goýýar. Hany aýdyň, bu towuk bir ýylda näçe sany ýumurtga goýýar? 2 ýylda näçe?

4.  Näbelli sanlary tapýarys.



5.  Hasaplaýarys.

$$\begin{array}{r} \overline{)665} \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} \overline{)896} \quad 7 \\ \hline \end{array}$$

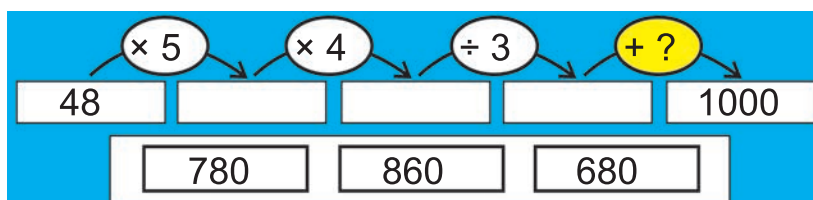
$$\begin{array}{r} \overline{)652} \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} \overline{)858} \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} \overline{)786} \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} \overline{)855} \quad 9 \\ \hline \end{array}$$

6.  Boş öýjükleri dolduryp, «?» belgisiniň ýerindäki dogry jogaby anyklaýarys.



3-nji bap.
23-nji ders

Üç belgili sany bir belgili sana bölmek

1.  Nusga esasynda paýlary tapýarys.

$$\begin{array}{r} 812 \overline{) 4} \\ - 8 \\ \hline 012 \\ - 12 \\ \hline 0 \end{array}$$

Bölünijidäki iki sany sifr yzygider düşürilende bölmäge bir sany nol (0) ýazylýar.

$$480 \overline{) 2}$$

$$915 \overline{) 3}$$

$$214 \overline{) 2}$$

$$816 \overline{) 2}$$

$$328 \overline{) 4}$$

$$448 \overline{) 4}$$

2.  Paýy bir hil bolan aňlatmalary tapýarys we ýazýarys.

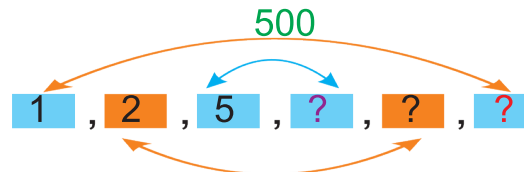
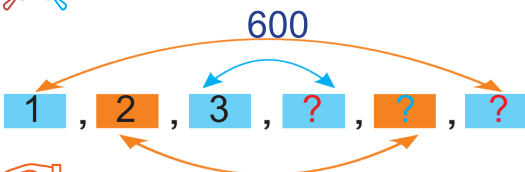
Nusga: $640 \div 8 = 720 \div 9 = 560 \div 7$

Başlamak	$640 \div 8$	$480 \div 6$	$450 \div 9$	$360 \div 6$	$720 \div 8$
$480 \div 8$					
$180 \div 3$					$270 \div 3$
$280 \div 7$					$540 \div 9$
					$490 \div 7$
$320 \div 8$					$420 \div 6$
$350 \div 7$					$160 \div 4$
$560 \div 7$	$240 \div 4$	$630 \div 9$	$810 \div 9$	$210 \div 3$	

3.  Nowruz baýramynda taýýarlanan palawa sarp edilen önümleriň möçberi näçeden?

Palaw	Tüwi	Käşir	Et	Sogan
				
	1000 kg	▲ bilen deň möçberde	▲ iň deň ýarymy	▲ den 5 esse az

4.  Görkezijileriň kömeginde näbelli sanlary anyklaýarys.



5.  Hasaplaýarys.

$$437 + 621 \div 3$$

$$408 \div 4 \times 5$$

$$603 \div 3 + 799$$

$$327 \div 3 + 111$$

6.  Boş öýjükləri doldurýarys.

$$\begin{array}{r} 414 \overline{) 2} \\ - 4 \\ \hline 14 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 738 \overline{) 9} \\ - 7 \\ \hline 18 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 238 \overline{) 7} \\ - 2 \\ \hline 28 \\ - 28 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 48 \overline{) 6} \\ - 42 \\ \hline 4 \\ - 48 \\ \hline 0 \end{array}$$

3-nji bap.
24-nji ders

Üç belgili sany bir belgili sana bölmek

1.  Deňeşdirýäris.

$534 \div 2$ $198 \div 3$ $429 \div 3$ $624 \div 4$ $525 \div 5$ $255 \div 5$

2.  Hasaplaýarys.

$858 \div 3 + 297$ $952 \div 4 \times 3$ $367 + 842 \div 2$ $1000 - 736 \div 2$

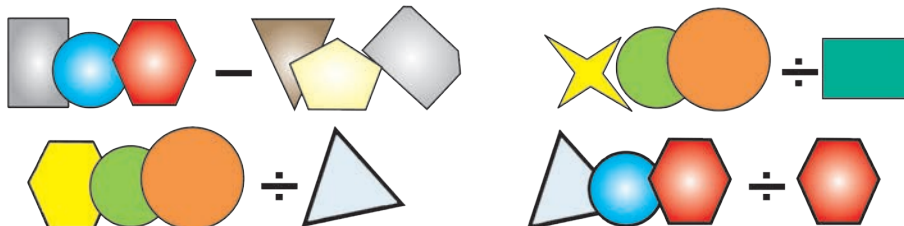
3.  Sungat köşgündäki oturgyçlar ýaş tomaşaçylar teatryndan näçe sany köp?

Ýaş tomaşaçylar teatrynda – ?, 2 esse az

Milli teatrdä – 500 sany oturgyç

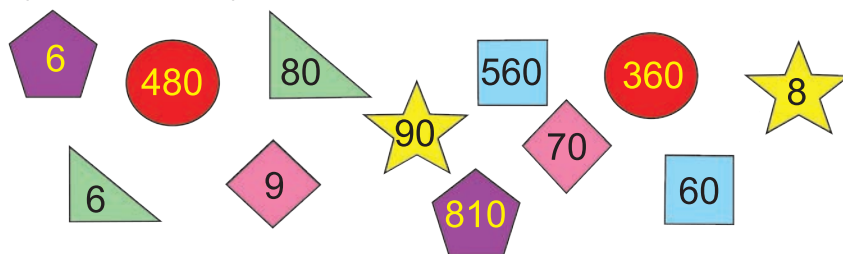
Sungat köşgünde – ?, 250 sany artyk

4.  Şekillerdäki burçlaryň sanyna esaslanyp hasaplaýarys.

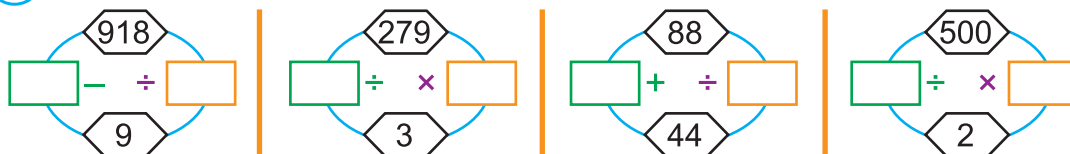


5.  Eger oýlanan san 3 gezek kemeldilende, iň kiçi üç belgili san emele gelýär. Haýsy san oýlanan?

6.  Şekillerde berlen sanlardan peýdalanyp bölmäge degişli mysallar düzýäris we çözüäris.



7.  Amallary ýerine ýetirýäris.



8.  Hasaplaýarys.

4×10 $800 \div 8$ $400 \div 4$ $70 \div 10$ $50 \div 5$ 100×2
 $128 \div 4$ $888 \div 4$ $404 \div 4$ $870 \div 3$ $950 \div 5$ $672 \div 6$

3-nji bap.
25-nji ders

Köpeltmek we bölmäge degişli meseleler

1. 

Men bir san oýladym.
Ony 3-e köpeldip, netijä
50-ni goşsam, 500
emele gelýär. Umit, hany
aýt, men haýsy sany
oýladym?



Men bolsa
şeyle san
oýladym... Ony
4-e bölüp 70-i
goşsak,
270 bolar.

2.  Matematikadan amaly iş ýerine ýetirýän 5 sany toparyň her birinde 35 sanydan okuwçy bar. Aşakdaky soraglara jogap tapýarys:

- jemi okuwçylar sany näçe?
- her bir okuwçy üçin 2 sanydan reňkli kagyz berlende, jemi näçe sany reňkli kagyz gerek bolar?

3.  Öýjükleriň ýerine degişli sany goýýarys.

$$\begin{array}{ccccccc} 5 \times \square = 80 & \square \times 7 = 84 & 6 \times \square = 72 & \square \div 8 = 80 \\ \square \div 3 = 90 & 240 \div \square = 6 & \square \times 3 = 45 & \square \div 6 = 60 \end{array}$$

4.  Garakçylarda iki sany sandyk bar. Çepdäki sandykda 100 sany teňňe bar, sagdaky sandykda bolsa boş. Garakçylar iki sandykda teňňeleri deňleşdirmek üçin her günü çepdäki sandyga 1 sany, sagdaky sandyga bolsa, 2 sanydan teňňe salyp bardylar. Sandyklardaky teňňeleriň sany näçe günde deň bolar?



5.  Hasaplaýarys we deňeşdirýäris.

$$\begin{array}{ccccccc} 545 \div 5 \bigcirc 534 \div 3 \times 1 & 882 + 118 \bigcirc 828 + 118 & 344 \times 1 \bigcirc 423 \times 0 \\ 287 \div 7 \bigcirc 287 \div (3 + 4) & 945 - 445 \bigcirc 954 - 554 & 763 + 37 \bigcirc 763 + 0 \end{array}$$

6.  Birbelgili san oýlaýarys. Oňa özüni goşýarys. Netijäni 7-ä köpeldýäris. Emele gelen köpeltmek hasylyny oýlan sanymyza bölýäris. Netijäni dostymyzyň bilen deňeşdirýäris. Nähili netijä geldiňiz?

7. 



Fermada towuk we goýunlar bakylýar. Towuklaryň jemi aýaklarynyň sany 108 sany, goýunlaryň jemi aýaklarynyň sany 96 sany bolsa, fermada näçe sany towuk we goýun bakylýar?

3-nji bab.
26-njy ders

Köpeltmek we bölmäge degişli meseleler

1.  Jasmina mekdep kitaphanasyny tertipleşdirmäge kömekleşýär. Ol kitaphanadaky 639 sany çeper kitaby deň mukdarda 3 sany tekçä näçe sanydan ýerleşdirdi?

2.  Alatlalary düzýäris we bahalaryny deňeşdirýäris.

8 50	945 9	3	287	4	125
		312	7	160	8

3.  Haýwanat bagynda näçe sany ýylan bar?

Jemi haýwanlar				
214 sany	?,  dan 5 esse az	35 sany	?,  den 13 esse köp	?

4.  Harplaryň ýerine haýsy sanlar dogry gelýär?

$$\begin{array}{r} a \ a \ b \\ + \ b \ a \ b \\ \hline 9 \ 0 \ 6 \end{array}$$

$$\begin{array}{r} b \ c \ a \\ + \ a \ c \ b \\ \hline 9 \ c \ 9 \end{array}$$

$$\begin{array}{r} a \ x \ 6 \\ \times \ \ \ x \\ \hline 7 \ b \ c \end{array}$$

5.  Obada 128 sany öý bar. Her bir öýde 4 sanydan perzent, 2 sanydan pişik we 1 sanydan it bar.

- Bu obada näçe sany çaga ýaşaýar?
- Obada näçe sany öý haýwany bar?



6.  Hasaplaýarys.

26	35	46	39	7	141	135
$\times 4$	$\times 6$	$\times 3$	$\times 6$	$\times 51$	$\times 2$	$\times 5$



Futbol ýaryşynda her bir ýeňiş 3 oçko, deňme-deň 1 oçko, ýeňliş 0 oçko alyp geler. Toparda 16 sany ýeňiş, 18 sany deňme-deňlik, 8 sany ýeňliş bolsa, gazanylan oçkolaryň sany näçe?

3-nji bap.
27-nji ders

Köpeltmegi we bölmegi barlamak

1.  Näbelli köpeldijileri tapýarys.

$2 \times \underline{\quad} = 160$

$\underline{\quad} \times 9 = 180$

$\underline{\quad} \times 4 = 200$

$2 \times \underline{\quad} = 20$

$\underline{\quad} \times 5 = 100$

$5 \times \underline{\quad} = 1000$

2.  Köpeltmek hasyllarynyň dogrulygyny nähili barlaýarys?

$14 \times 6 = 84$

$25 \times 3 = ?$

$17 \times 5 = ?$

$84 \div 6 = 14$

3.  Awtoulaglar üçin duralga 3 gatly bolup, birinji gatda 243 sany awtomobil sygar. Indiki gatlara bolsa, özünden öňki gatdan 3 esse az awtomobil sygar. Her bir gatda 12 sanydan ýer maýyplygy bolan sürüjiler üçin paýlanan bolsa, awtoulaglar üçin duralga jemi näçe sany awtomobili sygyryp biler? Maýyplygy bolan sürüjiler üçin näçe sany ýer paýlanan?

4.  Amallardan peýdalanyň deňlikleri emele getirýäris.

$7 \ 7 \ 7 \ 7 \ 7 \ 7 \ 7 \ 7 = 70$

$7 \ 7 \ 7 \ 7 \ 7 \ 7 \ 7 \ 7 = 77$

5.  Nusga esasynda aňlatma düzýäris we we bahasyny tapýarys.

50	$\times$	3	=	
	$\times$		=	
150	$\div$	3	=	
	$\div$		=	

150	50	3
400	?	8

900	?	?
?	?	1000

19	4
?	?

6.  Hasaplaýarys.

210	$70 \times 3 = ?$
70	$? \times 70 = 210$
3	$210 \div 3 = ?$
	$210 \div ? = 3$

320	$8 \times ? = ?$
-----	------------------

?	$5 \times 17 = ?$
---	-------------------

500	$? \times ? = ?$
-----	------------------

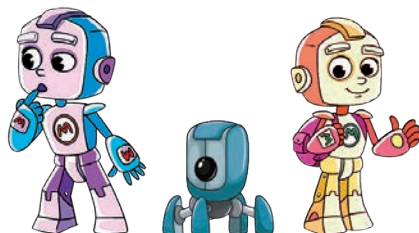
999 $\xrightarrow{\div 1}$? $\xrightarrow{\div 3}$? $\xrightarrow{\times 2}$? $\xrightarrow{\div 6}$? $\xrightarrow{\times 9}$?

3-nji bab.
28-nji ders

Köpeltmegi we bölmegi barlamak

1.  Jedweli doldurýarys. Kim tiz ýerine ýetirýär?

×	60	111
7		
9		



÷	9	3
981		
360		

2.  Hasaplaýarys. Nähili netijä geldiňiz?

$$286 \xrightarrow{\div 2} ? \xrightarrow{\times 2} 286$$

$$324 \xrightarrow{\div 3} ? \xrightarrow{\times 3} 324$$

$$? \xrightarrow{\div 4} 164 \xrightarrow{\times 4} ?$$

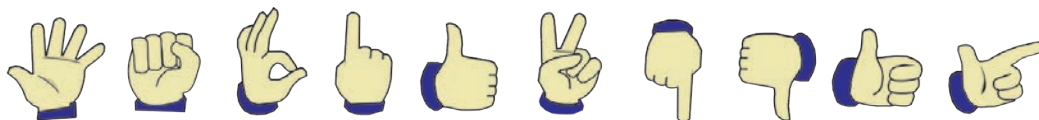
$$? \xrightarrow{\div 5} 184 \xrightarrow{\times 5} ?$$

3.  Hasaplaýarys we her bir netijäni düşündirýäris.

Tiz kömek ýagdaýynyň bölümünde 9 sany ýangyn söndüriji maşyny bar. 108 sany ýangyn söndüriji nobatçylyk edýär. Her bir maşyna ýangyn söndürijilerini deň bölmek mümkinmi?

Şäher tiz lukmançylyk kömek bölümünde 21 sany tiz kömek maşyny bar. Her bir maşyna 3 sanydan şepagat uýasy, 1 sanydan lukman paýlansa, jemi näçe sany lukmançylyk işgäri gerek bolar?

4.  Suratlardaky näçe sany hereket sag elde ýerine ýetirilen?



A) 3

B) 4

C) 5

D) 6

E) 7

5.  Hasaplaýarys.

$$\begin{aligned} 8 \times 59 &= 8 \times (\underline{\quad} + 9) \\ &= (\underline{\quad} \times 50) + (8 \times \underline{\quad}) \\ &= \underline{\quad} + \underline{\quad} = \underline{\quad} \end{aligned}$$

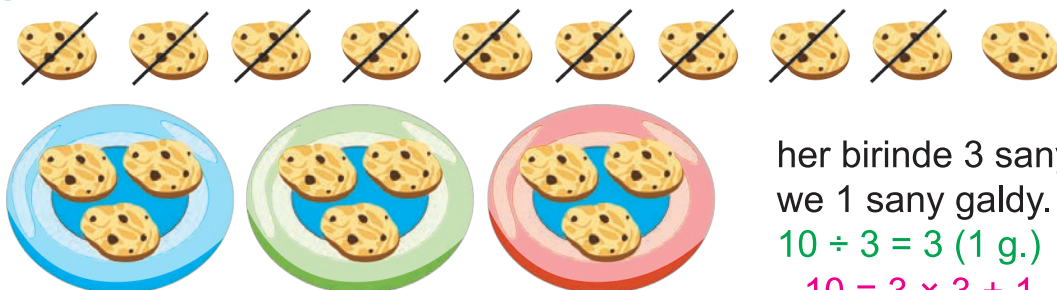
$$\begin{aligned} 8 \times 59 &= 8 \times (\underline{\quad} - 1) \\ &= (\underline{\quad} \times 60) - (8 \times \underline{\quad}) \\ &= \underline{\quad} - \underline{\quad} = \underline{\quad} \end{aligned}$$

6.  Her günü Samarkantdan Daşkende 3 sany gatnawda uçar uçýar. Her bir uçar 293 sany ýolagçy sygymyna eýe. Eger her bir gatnawda orunlar meşgul bolsa, bu reýslerde 1 günde näçe sany ýolagçy uçýar?

3-nji bap.
29-nji ders

Galyndyly bölmek

1.  Süýjüler nähili paylandy?

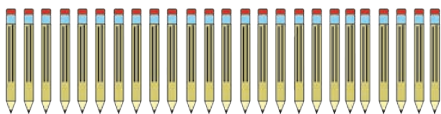


her birinde 3 sanydan
we 1 sany galdy.

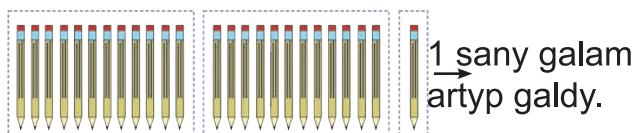
$$10 \div 3 = 3 \text{ (1 g.)}$$

$$10 = 3 \times 3 + 1$$

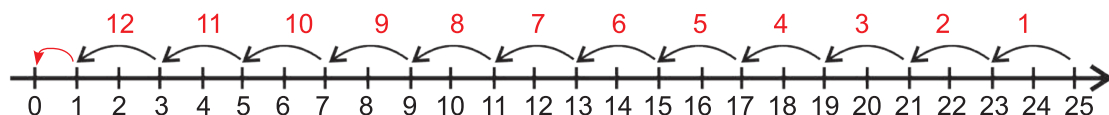
2.  Bölmek nähili ýerine ýetirilen? Netijämizi aýdýarys.


25 sany galamy 2 sany topara paylaýarys

$$\begin{array}{r} 25 \overline{) 2} \rightarrow \text{toparlar sany} \\ - 2 \downarrow \overline{) 12} \rightarrow \text{her bir topardaky} \\ \hline 05 \text{ galamlar sany} \\ - 4 \text{ artan galam sany} \\ \hline 1 \end{array}$$



 Bölmek amalyyny ýerine ýetirmek
iň uly öýjük birlikinden başlanýar.
Eger galyndy bölüjiden kiçi bolsa,
bölmek togtaydylar.



3.  Pay we galyndylaryny tapýarys.

÷	31	32	33	34	35	36	37	38	39
÷ 3		10 (2 g.)							
÷ 4						9 (0 q.)			

4.  Gassap 48 kg eti 5 kg-ly paketlere saldy. Gassaba näçe sany paket gerek boldy? Näçe kg et artyp galdy?

6.  Hasaplaýarys.

$$68 \overline{) 3}$$

$$68 \overline{) 5}$$

$$83 \overline{) 7}$$

$$32 \overline{) 5}$$

$$46 \overline{) 9}$$

$$97 \overline{) 3}$$

5. 

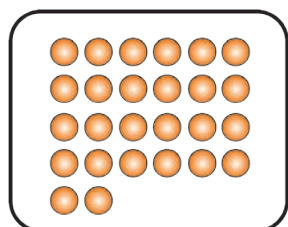
$$\begin{array}{l} 144 \div 9 = \square \\ (90 + \square) \div 9 = \square \\ (\square \div 9) + (\square \div 9) = \square \\ \square + \square = \square \end{array}$$

$$\begin{array}{l} 168 \div 8 = \square \\ (88 + \square) \div 8 = \square \\ (\square \div 8) + (\square \div 8) = \square \\ 11 + \square = \square \end{array}$$

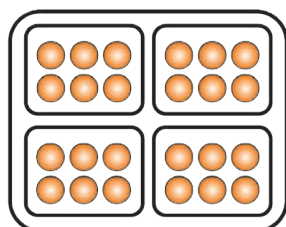
3-nji bap.
30-njy ders

Galyndyly bölmek

1.  Galyndy nähili tapylan?



26



$4 \times 6 = ?$

?

$$26 - 4 \times 6 = 26 - 24 = 2 \text{ qoldiq}$$

$$\begin{array}{r} 26 \overline{) 4} \\ - 24 \overline{) 6} \\ \hline 2(q) \end{array}$$

$$26 = 4 \times 6 + 2$$

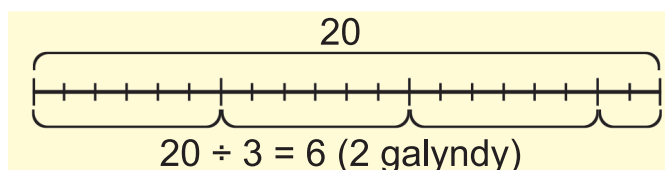
bölniji $\rightarrow$ $\begin{array}{r} 57 \overline{) 5} \\ - 5 \overline{) 11} \\ \hline 07 \\ - 5 \\ \hline 2 \end{array}$ $\leftarrow$ bölüji
 $\leftarrow$ paý
 $\leftarrow$ galyndy

$11 \rightarrow$ paý
 $\times 5 \rightarrow$ bölüniji
 $\begin{array}{r} 11 \\ \times 5 \\ \hline 55 \end{array}$

$\begin{array}{r} 55 \\ + 2 \\ \hline 57 \end{array}$ $\rightarrow$ galyndy
 $\rightarrow$ bölüniji

Galyndy hemişe bölüjiden kiçi bolmalı.

2.  Nusga esasynda paý we galyndyny kesgitleýäris.



$$\begin{aligned} 12 \div 5 &= ? (2 \text{ q.}) \\ 56 \div 3 &= 18 (? \text{ q.}) \\ 89 \div 4 &= ? (1 \text{ q.}) \\ 91 \div 11 &= 8 (? \text{ q.}) \end{aligned}$$

3.  Synpda 33 sany okuwçy bar. Eger her bir parta 2 sanydan okuwçy oturmagyna niýetlenen bolsa, jemi näçe sany parta gerek bolar?



4.  Baş gatly jaýda Anwar Farhatdan ýokaryda, emma Sarwardan aşakda ýaşaýar. Kamil bolsa Farhatdan aşakda ýaşaýar. Kamil jaýyň 2-nji gatynda ýaşasa, Anwar haýsy gatda ýaşaýar?

5.  Nusga esasynda hasaplap, jedweli doldurýarys.

Bölniji	Bölüji	Paý	Galyndy
97	8	12	1
?	4	16	0
?	7	13	4
?	5	7	3

$$\begin{aligned} 8 \times 12 &= 96 \\ 96 + 1 &= 97 \end{aligned}$$

6.  Hasaplaýarys.

$$69 \overline{) 5}$$

$$27 \overline{) 3}$$

$$62 \overline{) 4}$$

$$59 \overline{) 6}$$

$$92 \overline{) 7}$$

$$44 \div 10$$

$$64 \div 10$$

$$81 \div 10$$

$$97 \div 10$$

85

3-nji bap.
31-nji ders

Galyndyly bölmek

1.



$$\begin{array}{r} 93 \div 6 = ? \\ 93 - 60 + 33 \\ - 60 \quad 10 \times 6 \\ \hline 33 \\ - 30 \quad 5 \times 6 \\ \hline 3 \quad 15 \\ 93 \div 6 = 15 (3 \text{ q}) \end{array}$$

Bölmek amaly nähili
ýerine ýetirilen?
Nähili netijä
geldiňiz?

$$\begin{array}{ll} 70 \div 6 & 61 \div 4 \\ 89 \div 4 & 77 \div 4 \end{array}$$

2.



Nusga esasynda bölmegi ýerine ýetirýäris.

6 onluk + 6 birlik | 4
- 4 onluk
2 onluk + 6 birlik

6 onluk + 6 birlik | 4
- 4 onluk
26 birlik
- 24 birlik
2 birlik

66 | 4
- 4
26
- 24
2 (galyndy)

$$90 \div 7 \quad 84 \div 8 \quad 507 \div 9 \quad 100 \div 9 \quad 520 \div 3 \quad 750 \div 4$$

3.



Aşhanada 1 sany stola 6 adam oturýar. Haýsy günü iň köp stol taýýarlanan? Bu şenbe günü taýýarlanan stollaryň sanyndan näçe sany aratapawudy bar? Jedweli doldurýars.

Günler	Adamlar sany	Stollar sany	Galyndy bilen bile taýýarlanan stollar sany
Düşenbe	756		
Sişenbe	935		
Şenbe	734		
Ýekşenbe	821		

4.



Baş sany 5 sifr we amal belgileriniň kömeginde 100 sanyny emele getirip bilýärismi? 5 sany 3-den emele getirip bilýärismi?

5.



Näbellileri tapýars.

$$\begin{array}{lll} 6 \times \underline{\quad} = 486 & \underline{\quad} \div 7 = 11 (1 \text{ q.}) & \underline{\quad} \div 9 = 77 (2 \text{ q.}) \\ 48 \div \underline{\quad} = 12 (0 \text{ q.}) & 563 \div \underline{\quad} = 7 (3 \text{ q.}) & 310 \div \underline{\quad} = 103 (1 \text{ q.}) \end{array}$$

6.



Paý we galyndylaryny tapýars.

Number	Divisor	Quotient	Remainder
172	4	?	q.
251	2		
422	3		
533	3		
786	6		

4-nji bap

DROBLAR

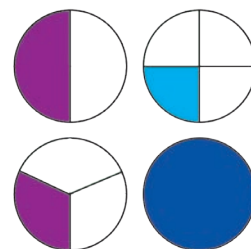
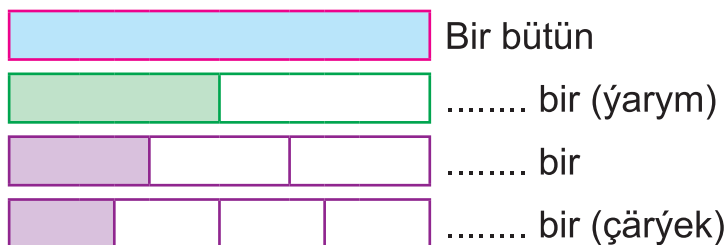
1											
$\frac{1}{2}$						$\frac{1}{2}$					
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$		
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$	
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$
$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$



4-nji bap.
1-nji ders

Drob hakynda düşünje

1.  Şekilleriň haýsy bölegi boýalan?



Bulary sanlar arkaly aşakdaky ýaly ýazmak mümkin.

Ikiden bir = 2 den 1 = $\frac{1}{2}$ Üçden bir = 3 den 1 = $\frac{1}{3}$ Dörtten bir = 4 den 1 = $\frac{1}{4}$

Şeýle aňlatma «drob» diýilýär.

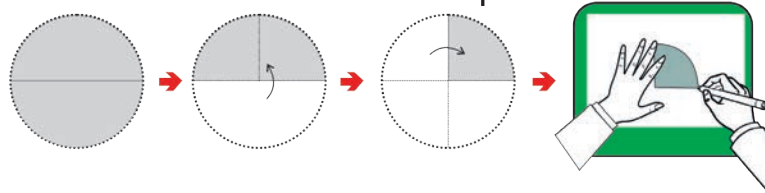
$\frac{1}{3}$ → Drob bölüji
→ Drob çyzygy
→ Drob bölüniji



2.  Şekilleri we miwe böleklerini droblarda aňladýarys.



3.  Eplemegiň kömeginde, tegelegiň $\frac{1}{4}$ bölegini döredýäris.



4.  $\square\square > \square\square$ deňsizli dogry bolmagy üçin 0, 1, 2, 5 sifrlerden peýdalanyň, iki belgili sanlary döredýäris.

5.  Jedweli doldurýarys.

Droblar		Bölüji	Bölüniji
$\frac{1}{2}$		1	2
			
			

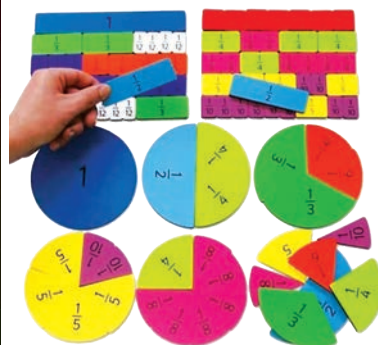
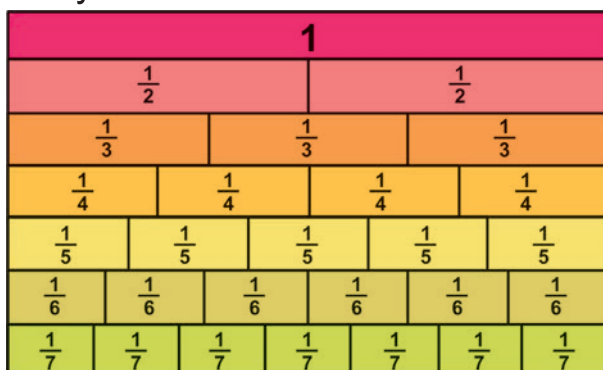
Droblar		Bölüji	Bölüniji
			
			
			

6.  $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}, \frac{1}{6}$ Böleklere laýyk şekilleri çekýäris.

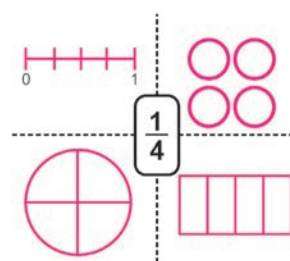
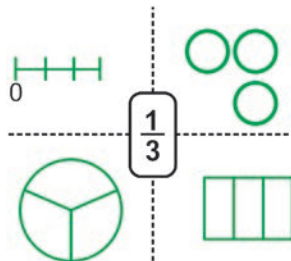
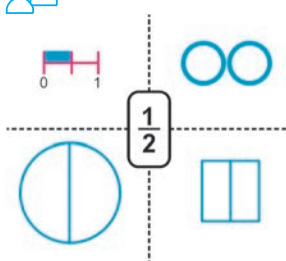
4-nji bap.
2-nji ders

Drob hakynda düşünje

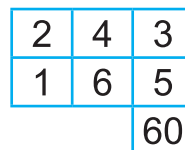
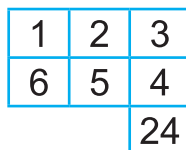
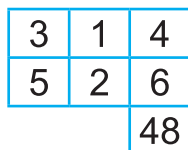
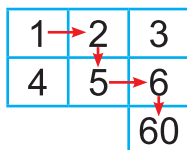
1.  Soraglarga jogap berýäris we droblarda añladýarys.
 - Duşenbe hepdäniň haýsy bölegi?
 - Bahar pasly bir ýylyň haýsy bölegi?
 - Mart aýy baharyň haýsy bölegi?
 - Mart aýy bir ýylyň haýsy bölegi?
2.  Bölüjini 12-ä çenli bolan droblar diwaryny ýasaýarys we derňew edýäris.



3.  Şekilleri çyzýarys we droblara laýyk bölegini boýaýarys.

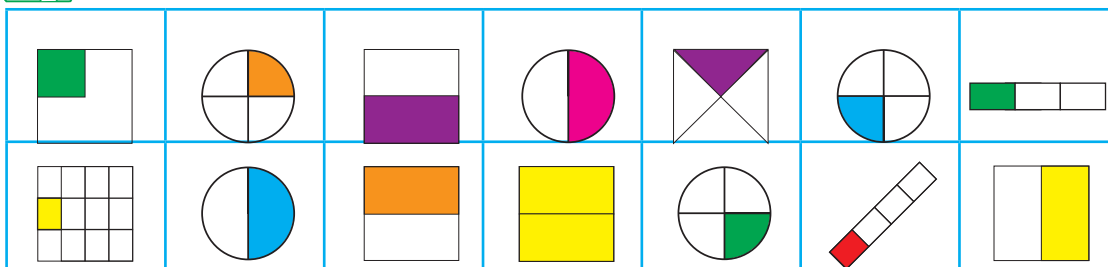


4.  Köpeltmek hasylyny emele getirýän 4 sany, sany birleşdirýäris.



5.  Torty deň 8 bölege bölmek üçin pyçagy iň azynda näçe gezek ulanmak mümkin? 16 bölege bölmek üçin näçe gezek?

6.  Drob görnüşinde ýazýarys we laýyk şekilleri çyzýarys.



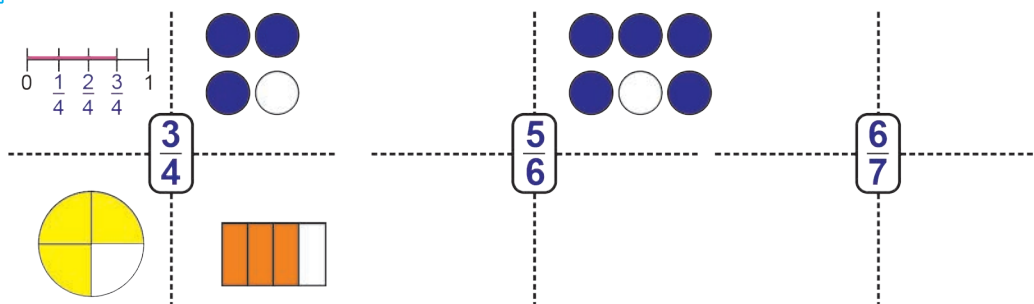
4-nji bap.
3-nji ders

Drob hakynda düşünje

1.  Tegeligi üç deň bölege bölüp, onuň iki bölegini boýaýarys. Tegeligiň haýsy bölegi boýalandygyny droblarda aňladýarys.



2.  Şekilleri çyzýarys we droblara laýyk gelýän bölegini boýaýarys.

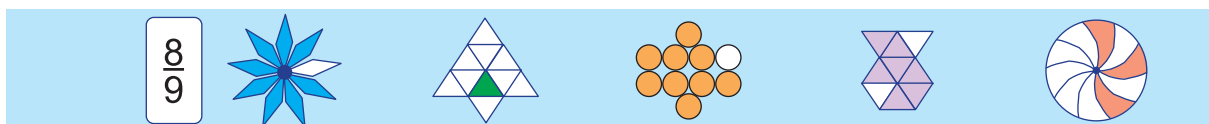


3.  Oglanlar jemi çagalaryň näçe bölegini tutýar?
– Äýnek dakan çagalar näçe bölegini tutýarlar?
– Çagalaryň näçe bölegi ýylgyryp dur?

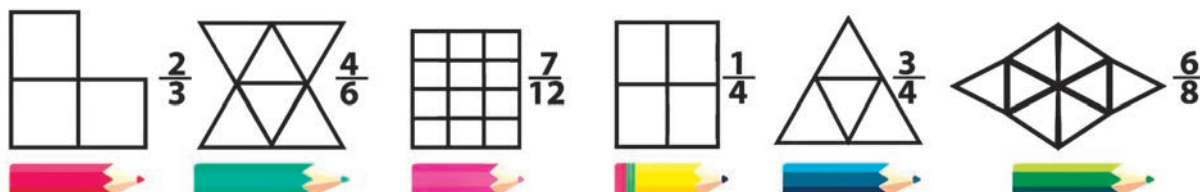


4.  Mekdep howlusynda 19 sany gyz we 12 sany ogan oýnaýar. Çagalara ýene näçe sany okuwçy goşulanda olar alty sany deň topara bölünmegi mümkin?

5.  Şekilleriň haýsy bölegi boýalan? Droblarda aňladýarys.



6.  Şekilleriň droblarda görkezilen bölegini boýaýarys. Olar nähili şekillerden ýasalandygyny aýdýarys.



4-nji bap.
4-nji ders

Drob hakynda düşünje

1.  Droblar diwaryndan peýdalanyň $\frac{2}{6}, \frac{3}{8}, \frac{4}{5}$, $\frac{5}{7}, \frac{3}{6}$ droblar nädip dörändigini görkezýäris.

$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$	
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{7}$		$\frac{1}{7}$		$\frac{1}{7}$		$\frac{1}{7}$		$\frac{1}{7}$	
$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$	

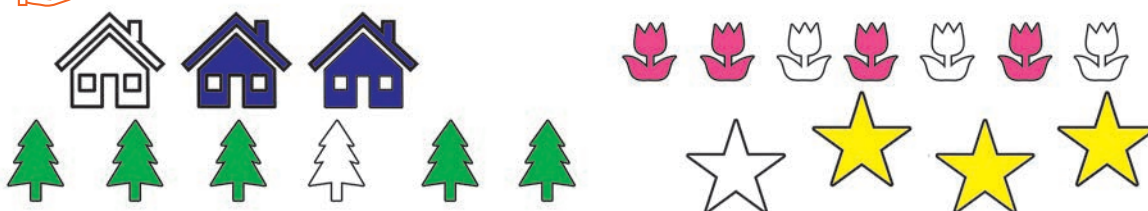
Bir bitin üçin 1 ýa-da $\frac{1}{1}$ ýazuw kabul edilen:

$$1 = \frac{1}{1} = \frac{2}{2} = \frac{3}{3} = \frac{4}{4} = \frac{5}{5} = \frac{6}{6} = \frac{7}{7} = \frac{8}{8} = \frac{9}{9} = \frac{10}{10} = \frac{11}{11} = \frac{12}{12}$$



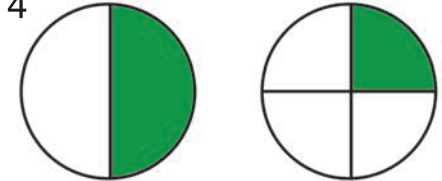
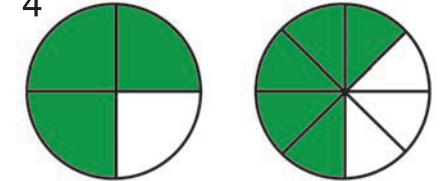
2.  Droblarda aňladýarys. Ýarym, altydan baş, sekizden üç, dörtten iki, ýediden bir, ondan dokuz, sekizden ýedi, on ikiden bir, ýediden dört, çäryek, dokuzdan dokuz, bitin.

3.  Suratlaryň haýsy bölegi boýalan?



4.  Synpda 18 gyz we 12 oglan bardy. 19 okuwçy çykyp gitdi. Synpda gyzlaryň we oganlaryň sany birmeňzeş bolmagy mümkinmi?

5.  Dogry jogaby anyklap, drobyň okalyşy we ýazylyşyny aýdýarys.

$\frac{1}{4}$ haýsy şekile laýyk gelýär? 	$\frac{3}{4}$ haýsy şekile laýyk gelýär? 
	
Haýwanlaryň haýsy bölegi pişikler? $\frac{1}{8}, \frac{3}{8}, \frac{5}{8}$	Itler haýwanlaryň haýsy bölegini tutýar? $\frac{5}{8}, \frac{3}{8}, \frac{2}{8}$

6.  Hasaplaýarys.

$$560 \div 8 + 720 \div 9$$

$$360 \div 6 + 250 \div 5$$

$$210 \div 3 - 250 \div 5$$

$$480 \div 6 - 280 \div 7$$

$$320 \div 4 \times 5$$

$$120 \div 4 \times 7$$

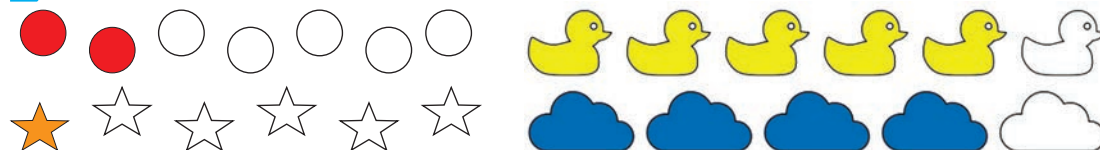
4-nji bap.
5-nji ders

Drob hakynda düşünje

1.  Çöregiň alnan bölekleri haýsy droba laýyk gelyär?

				
$\frac{1}{6}$ $\frac{8}{2}$ $\frac{2}{8}$	$\frac{4}{1}$ $\frac{1}{4}$ $\frac{1}{8}$	$\frac{1}{2}$ $\frac{1}{6}$ $\frac{1}{4}$		

2.  Zatlaryň toplumuny droblarda aňladýarys.



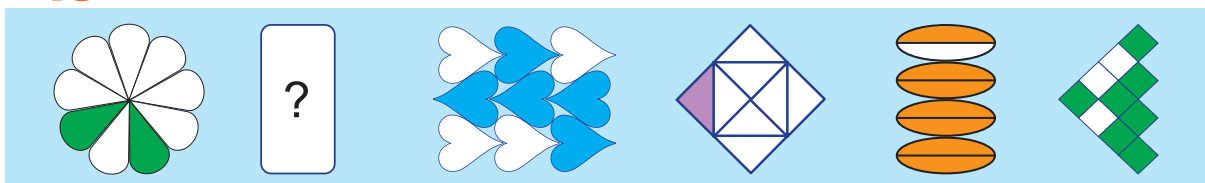
3.  Jogaplary drob görnüşinde aňladýarys.

- Naharlanylýan enjamlaryň näçe sanysy pyçaklar?
- Näçe bölegini pyçaklar tutýar? Çarşak näçe?
- Haýsy enjamy aňladýan drob kiçiräk?



4.  39 dan 101 e çenli bolan sanlary emele getirmek üçin näçe sany sifr gatnaşýar?

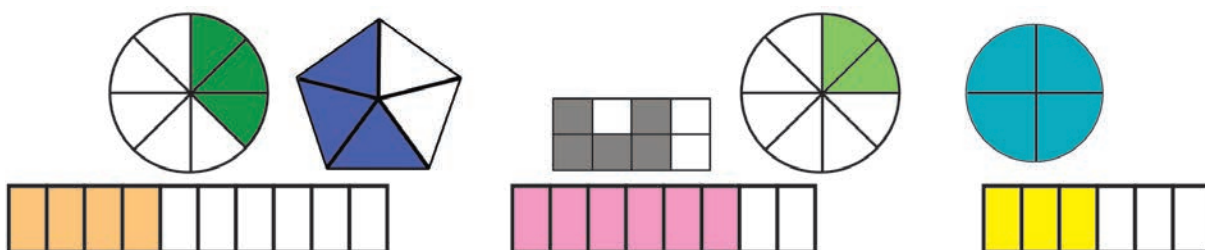
5.  Şekilleriň haýsy bölegi boýalmadyk? Droblarda aňladýarys.



6.  Droblarda aňladýarys.

Altydan bir; dördtan üç; sekizden iki; başdan dört; üçden iki; ýediden baş; dokuzdan dokuz; ondan üç; on ikiden sekiz.

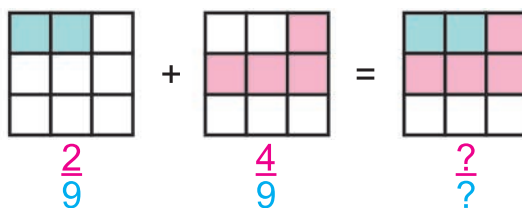
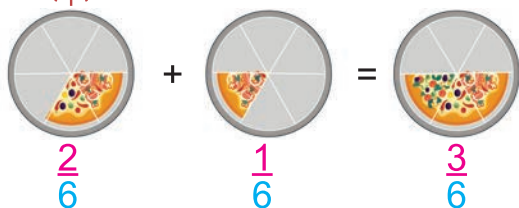
7.  Boýalan bölekler laýyk droblary ýazýarys.



4-nji bap.
6-njy ders

Birmeñzeş bölüjili droblary goşmak

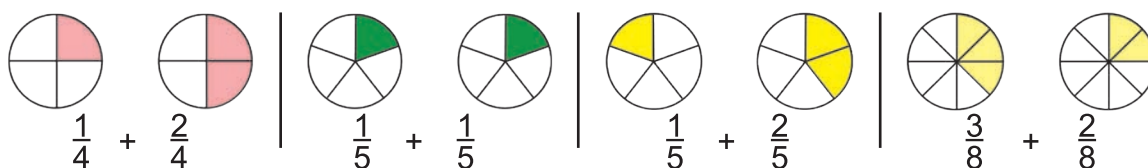
1.  Jem nähili emele geldi?



Birmeñzeş bölüjili droblary goşanda olaryň diňe bölünijileri goşulýar. Bölüjisi bolsa üýtgemeyär.

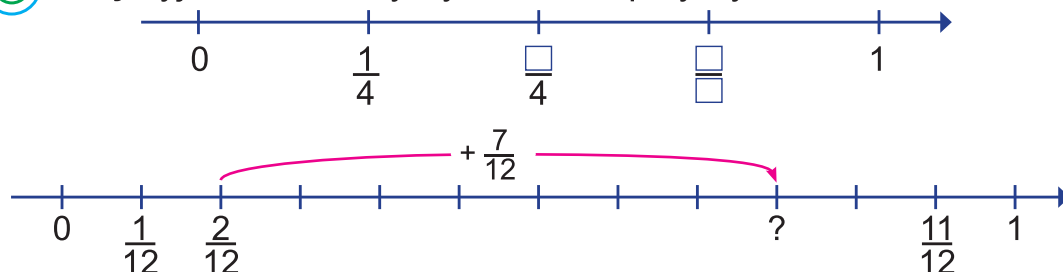
$$\frac{1}{5} + \frac{3}{5} = \frac{\square + \square}{5} = \frac{?}{5}$$

2.  Modeller esasynda droblary goşýarys.



3.  Feruza çoregi deň dört bölege bölüp, bir bölegeni özi, bir bölegeni jigisi iýdi. Olar bilelikde çoregiň näçe bölegeni iýdiler?

4.  Boş öýjükleri doldurýarys we hasaplaýarys.



5.  Muhlisa her güni 6 sanydan, Durdana bolsa 4 sanydan mesele çözyär. Muhlisa 4 günde çözyän meseläni Durdana näçe günde çözyär?

6.  Berlenleriň haýsy bölegi açarlar? Haýsy bölegi gulplar?



7.  Hasaplaýarys.

$$\frac{2}{10} + \frac{7}{10}$$

$$\frac{1}{3} + \frac{1}{3}$$

$$\frac{2}{8} + \frac{6}{8}$$

$$\frac{7}{10} + \frac{3}{10}$$

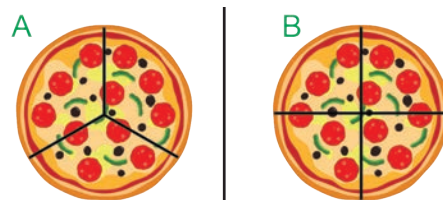
$$\frac{9}{12} + \frac{1}{12}$$

$$\frac{3}{9} + \frac{6}{9}$$

**4-nji bap.
7-nji ders**

Birmeñzeş bölüjili droblary goşmak

1.  Aly, Waly we Guli pizzany deň böleklerge böldüler. Olaryň hersi bir bölekden iýip, pizzany gutardylar. Çagalar pizzany nähili bölege bölüpdir?



2.  Hasaplaýarys.

$$\frac{1}{3} + \frac{1}{3}$$

$$\frac{10}{12} + \frac{1}{12}$$

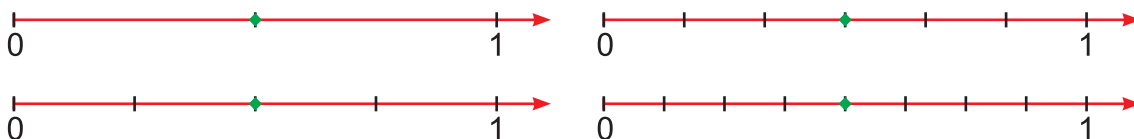
$$\frac{2}{6} + \frac{2}{6}$$

$$\frac{5}{7} + \frac{1}{7}$$

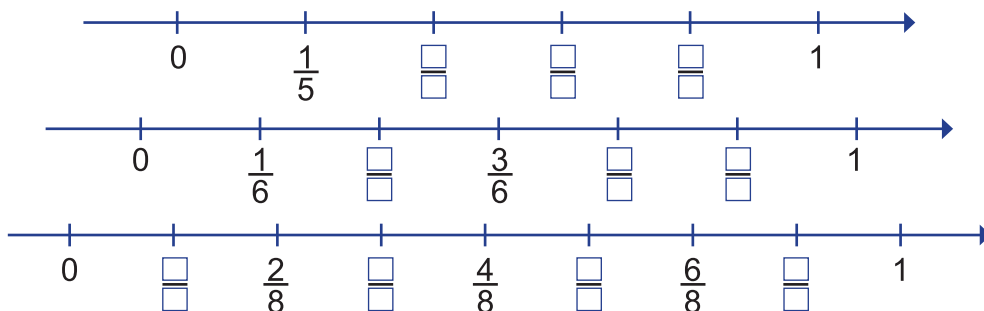
$$\frac{6}{11} + \frac{4}{11}$$

3.  Dilşada kitaphanadan kitaplar aldy. Ol alan jemi 10 sany kitapdan 3 sanysy ertekiler, 4 sanysy ösümlükler hakynda. Ertekiler we ösümlükler hakyndaky kitaplaryň jemi alnan kitaplaryň nähili bölegini tutýar?

4.  Nokatlara laýyk gelýän droblary ýazýarys. Kim nähili aňladýar?



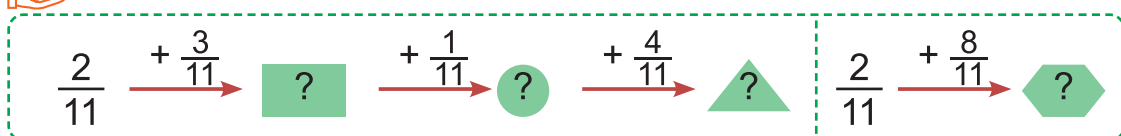
5.  Boş öýjükleri doldurýarys.



6.  Modeller esasynda aňlatmalary düzüp, hasaplaýarys.



7.  Nähili netijä geldiňiz?



8.  Droblary goşýarys.

$$\frac{1}{7} + \frac{2}{7}$$

$$\frac{4}{11} + \frac{6}{11}$$

$$\frac{5}{6} + \frac{1}{6}$$

$$\frac{1}{4} + \frac{3}{4}$$

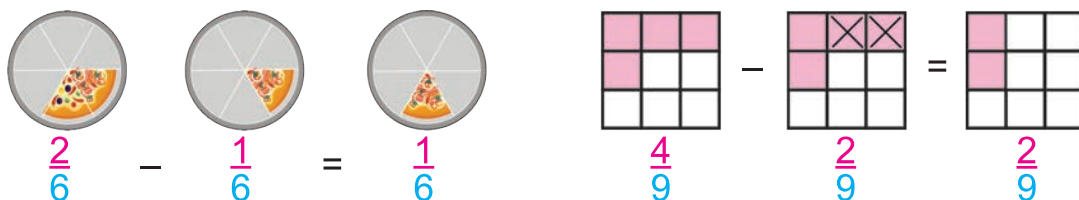
$$\frac{2}{5} + \frac{3}{5}$$

$$\frac{4}{12} + \frac{7}{12}$$

4-nji bap.
8-nji ders

Бирмеңзеş bölüjili droblary aýýrmak

1.  Tapawutlar nähili emele gelenini düşündirýäris.



Бирмеңзеş bölüjili droblary aýýranda olaryň diňe bölünijileri aýyrylýar. Bölüjisi bolsa, üýtgemeýär.

$$\frac{3}{5} - \frac{1}{5} = \frac{3-1}{5} = \frac{2}{5}$$

$$\frac{7}{12} - \frac{4}{12}$$

$$\frac{5}{6} - \frac{1}{6}$$

$$\frac{6}{7} - \frac{2}{7}$$

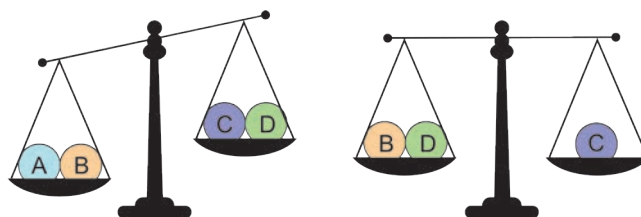
$$\frac{6}{11} - \frac{4}{11}$$

2.  Zöhre çöregi deň böleklere bölüp, bir bölegini Hasana berdi. Zöhre çöregiň $\frac{3}{4}$ bölegini iýen bolsa, Hasan nähili bölegini iýdi?

3.  Şekilleriň gyzyly reňke boýalan bölegini kesgitleýäris we oňa laýyk droblary tapyp ýazýarys.



4.  Dört sany şaryň agramy 1 kg, 2 kg, 3 kg we 4 kg my tutýar. Haýsy şaryň agramy 3 kg?



5.  Droblary aýýrýarys.

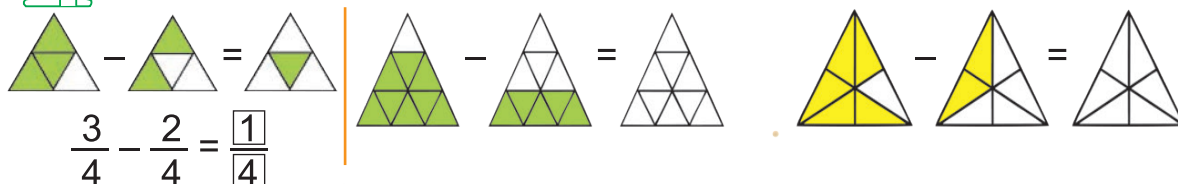
$$\frac{6}{7} - \frac{2}{7} - \frac{1}{7}$$

$$\frac{7}{8} - \frac{4}{8} - \frac{2}{8}$$

$$\frac{9}{11} - \frac{5}{11} - \frac{3}{11}$$

$$\frac{4}{5} - \frac{2}{5} - \frac{1}{5}$$

6.  Nusga esasynda droblary aýýrýarys we boýaýarys.



4-nji bap.
9-nji ders

Birmeñzeş bölüjili droblary aýyrmak

1.  Hasaplaýarys.

$$\frac{3}{4} - \frac{2}{4} \quad \frac{7}{12} - \frac{3}{12} \quad \frac{4}{5} - \frac{2}{5} \quad \frac{2}{3} - \frac{1}{3} \quad \frac{5}{7} - \frac{3}{7} \quad \frac{6}{9} - \frac{3}{9}$$

2.  Näbelli sanlary kesgitleýäris.

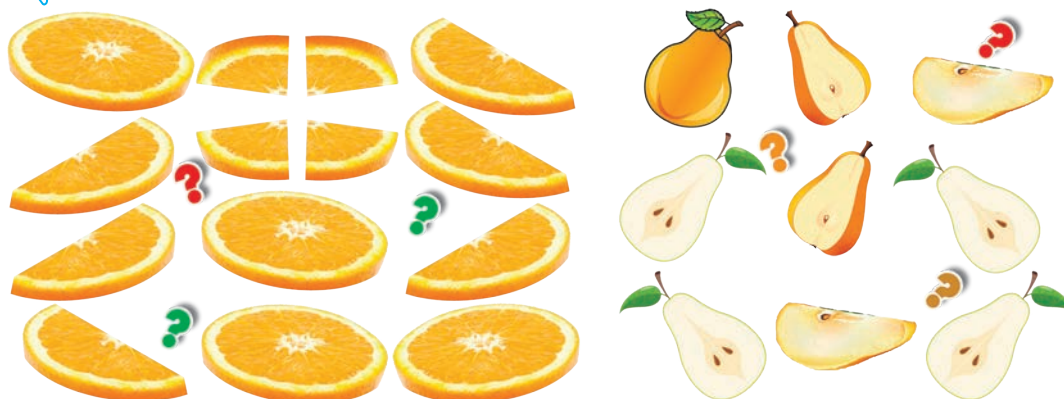
$$\frac{10}{10} - \frac{7}{10} = \frac{3}{10} \quad \frac{11}{11} - \frac{8}{11} = \frac{3}{11} \quad \frac{9}{12} - \frac{4}{12} = \frac{5}{12} \quad \frac{8}{9} - \frac{4}{9} = \frac{4}{9}$$

3.  Netijeler nämä deň? Nähili netijä geldiňiz?

$$\frac{9}{12} \xrightarrow{-\frac{2}{12}} ? \quad \frac{3}{12} \xrightarrow{-\frac{3}{12}} ? \quad \frac{1}{12} \xrightarrow{-\frac{1}{12}} ? \quad \frac{9}{12} \xrightarrow{-\frac{6}{12}} ?$$

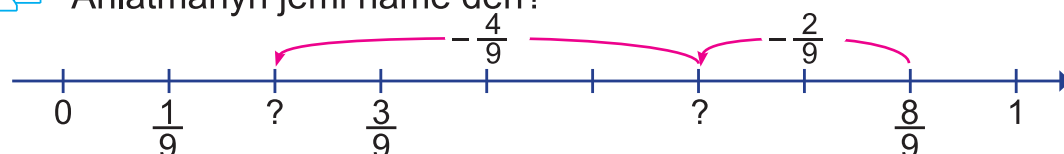
4.  Batyr tutan balyklaryň $\frac{3}{10}$ bölegini Farhada, $\frac{5}{10}$ bölegini Muhammede berdi. Batyr balyklarynyň näçe bölegini dostlaryna berdi? Näçe bölegi özüde galdy?

5.  Pyrtykalyň näçe sany bütün bölegi bar? Näçe sany bütün armyt bar?



6.  Mekdep bagynyň $\frac{4}{12}$ bölegine güller, $\frac{2}{12}$ bölegine ýeralma, $\frac{5}{12}$ bölegine pomidor ekildi. Bagyň näçe bölegine ekin ekilmedi?

7.  Aňlatmanyň jemi nämä deň?



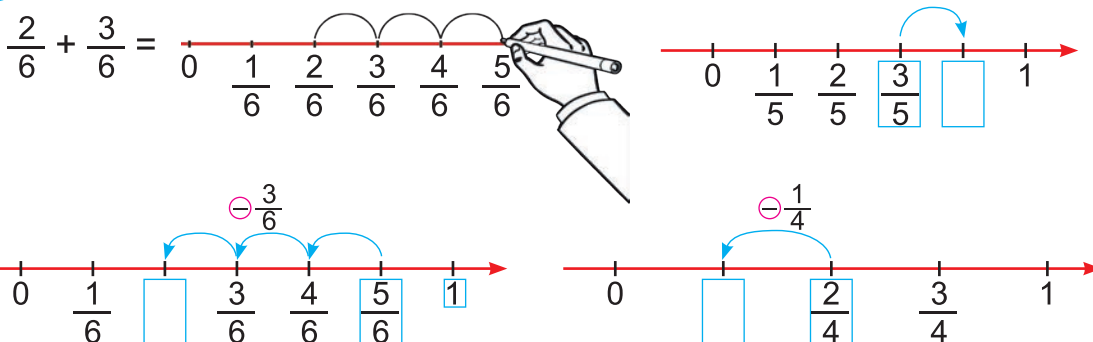
8.  Hasaplaýarys.

$$\frac{3}{7} - \frac{2}{7} \quad \frac{10}{12} - \frac{6}{12} \quad \frac{8}{11} + \frac{1}{11} \quad \frac{2}{4} - \frac{1}{4} \quad \frac{9}{12} + \frac{1}{12} \quad \frac{4}{5} - \frac{3}{5}$$

4-nji bap.
10-njy ders

Birmeñzeş bölüjli droblary goşmak we aýyrmak

1.  Boş öýjükleri doldurýarys we netijämizi aýdaýrys.



2.  Hasaplaýarys.

$$\frac{9}{11} - \frac{4}{11} + \frac{2}{11} \quad \frac{7}{9} - \frac{3}{9} + \frac{4}{9} \quad \frac{7}{8} + \frac{1}{8} - \frac{7}{8} \quad \frac{5}{6} - \frac{3}{6} + \frac{1}{6} \quad \frac{7}{12} + \frac{4}{12} - \frac{6}{12}$$

3.  Soraglara jogap berýäris.



- Käşir miwe we gök önümleriň nähili bölegini tutýar?
- Olaryň näçe bölegi banan?
- Gök önümler näçe bölegini tutýar?

4.  Nusga esasynda hasaplaýarys.

$$\frac{3}{12} + \frac{9}{12} = \frac{12}{12} = 1$$

$$\frac{4}{7} + \frac{3}{7} \quad \frac{4}{9} + \frac{5}{9} \quad \frac{6}{12} + \frac{6}{12} \quad \frac{1}{5} + \frac{4}{5} \quad \frac{3}{8} + \frac{5}{8}$$

5.  Ördekler hatar bolup suw içmäge gelyärdiler. Olardan biri öňe seredip 17 sany kelläni, arkasyna seredip 42 sany penjäni gördi. Jemi näçe sany ördek suw içmäge gelyärdiler?

6.  Boş öýjükleri doldurýarys.

$$\frac{4}{5} - \frac{\square}{5} = \frac{1}{5} \quad \frac{\square}{6} - \frac{3}{6} = \frac{3}{6} \quad \frac{\square}{\square} - \frac{2}{4} = \frac{1}{4} \quad \frac{7}{12} - \frac{\square}{12} = \frac{2}{12}$$

7.  Şekillere laýyk gelyän aňlatmalary düzýäris we jemini tapýarys.

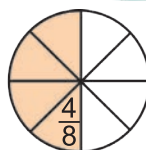
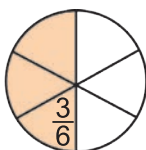
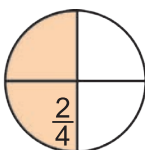
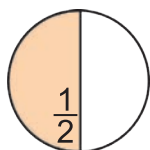


4-nji bap.
11-nji ders

Droblary deňeşdirmek. Deň droblar

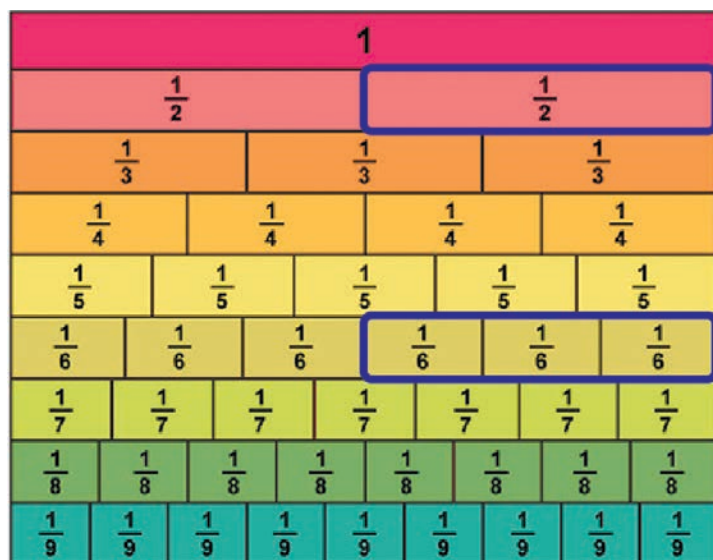
1. Berlen droblar deňmi? Näme üçin?

Bular deň droblar.

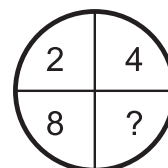
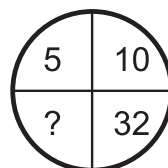
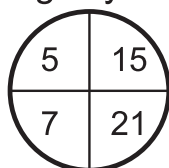
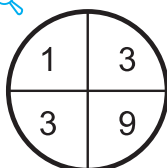


$$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8}$$

2. Droblar diwaryndan peýdalanyň deň droblary anyklaýarys we ýazýarys.



3. Näbelli sany kesgitleýäris.



4. Ziyada 12 metrli lentanyň $\frac{1}{2}$ bölegini, Diýora bolsa $\frac{2}{4}$ bölegini gyrkyp aldy. Olar bilelikde lentanyň näçe bölegini gyrkyp aldylar? Lentanyň näçe bölegi galdy?

5. Boş öýjükleri doldurýarys.

$$\frac{\square}{2} = \frac{6}{12}$$

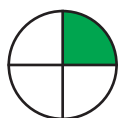
$$\frac{\square}{3} = \frac{2}{6}$$

$$\frac{\square}{2} = \frac{2}{4}$$

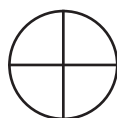
$$\frac{\square}{3} = \frac{6}{9}$$

$$\frac{3}{6} = \frac{1}{\square}$$

6. Şekilleri çyzýarys we deň droblary nusgadaky ýaly boýaýarys.



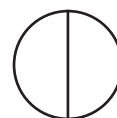
$$\frac{1}{4} = \frac{2}{8}$$



$$\frac{6}{8} = \frac{3}{4}$$



$$\frac{2}{8} = \frac{1}{4}$$



$$\frac{4}{8} = \frac{1}{2}$$

4-nji bab.
12-nji ders

Droblary deňeşdirmek

1.  Bölüjleri bir hil bolan droblary deňeşdirýäris.

$\frac{4}{9}$ kiçi $\frac{5}{9}$ çünki $4 < 5$, diýmek

$$\frac{4}{9} < \frac{5}{9}$$



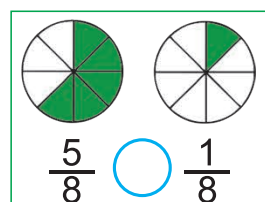
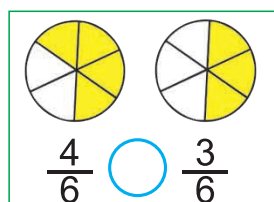
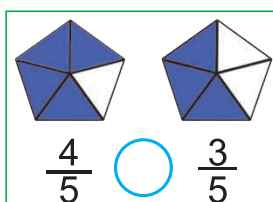
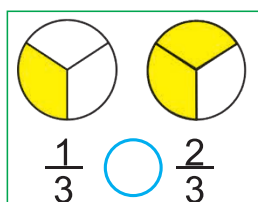
<



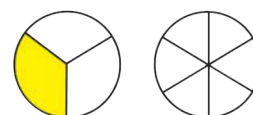
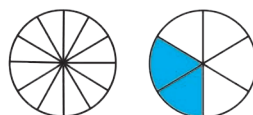
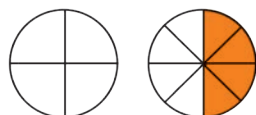
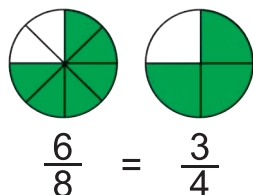
Bölüjleri
birmeňzeş bolan
droblaryň bölünijileri
deňeşdirilýär.



2.  Modeller esasynda deňeşdirýäris.



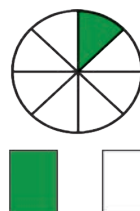
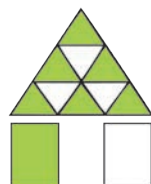
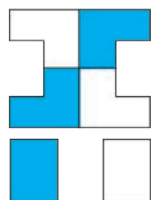
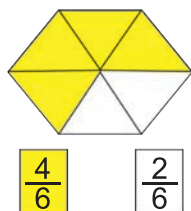
3.  Tegelekler çyzýarys. Droblar deň bolmagy üçin laýyk bölekleri boýap, deň droblar emele getirýäris.



4.  Deňeşdirmek dogry bolmagy üçin näbellileri tapýarys.

$\frac{3}{15} < \frac{?}{15}$ $\frac{2}{3} > \frac{?}{3}$ $\frac{?}{2} = \frac{1}{2}$ $\frac{2}{4} = \frac{?}{2}$ $\frac{?}{6} < \frac{3}{6}$

5.  Bitiniň böleklerini deňeşdirýäris.



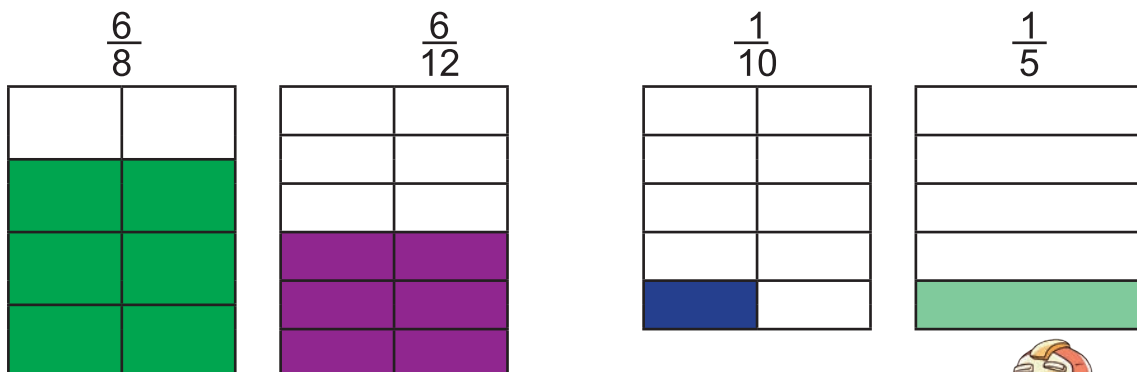
6.  Droblary deňeşdirýäris.

$\frac{2}{6} \square \frac{3}{6}$ $\frac{5}{8} \square \frac{6}{8}$ $\frac{1}{7} \square \frac{5}{7}$ $\frac{6}{9} \square \frac{7}{9}$ $\frac{5}{10} \square \frac{9}{10}$

4-nji bap.
13-nji ders

Droblary deňeşdirmek

1.  Bölünijileri birmeñzeş bolan droblary deňeşdirýäris.



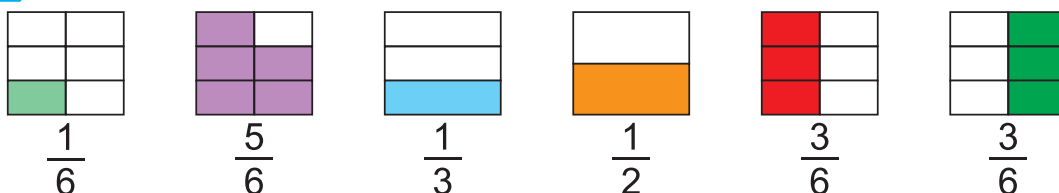
Bölünijisi bir hil, bölüjisi dürli bolan droblaryň bölüjileri deňeşdirilýär. Bölüjisi kiçi drob uly bolýar.

$$\frac{6}{8} > \frac{6}{12} \quad \frac{1}{10} < \frac{1}{5}$$



2.  6 sany alma bardy. Eldar almalaryň $\frac{2}{6}$ bölegini, Kerim bolsa $\frac{3}{6}$ bölegini iýdi. Olar bilelikde jemi almalaryň näçe bölegini iýdiler?

3.  Model esasynda droblary deňeşdirýäris.



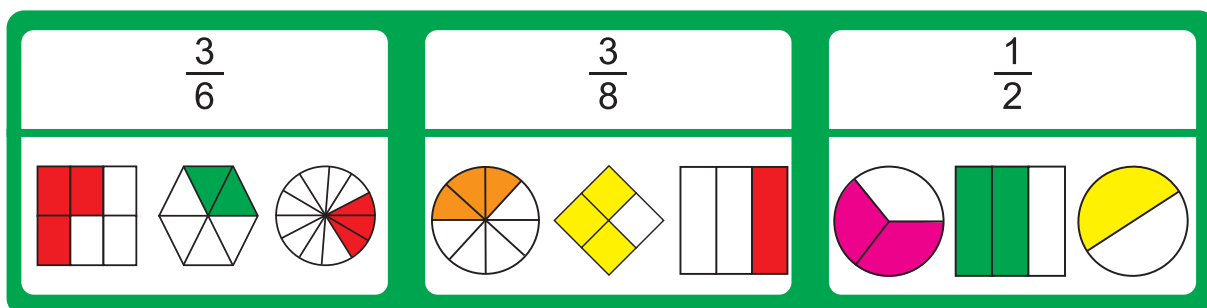
4.  Artýan tertipde aýdýarys.

$$\frac{5}{7}; \frac{2}{7}; \frac{7}{7}; \frac{6}{7}; \frac{4}{7}; \frac{1}{7}; \frac{3}{7}$$

Kemelýän tertipde aýdýarys.

$$\frac{1}{2}; \frac{1}{8}; \frac{1}{4}; \frac{1}{3}; \frac{1}{6}; \frac{1}{5}; \frac{1}{7}$$

5.  Droblara laýyk gelýän şekilleri kesgitleýäris we çyzýarys.



6.  Droblary deňeşdirýäris.

$$\frac{1}{2} \square \frac{1}{2} \quad \frac{3}{8} \square \frac{5}{8} \quad \frac{5}{8} \square \frac{5}{7} \quad \frac{1}{10} \square \frac{4}{10} \quad \frac{4}{6} \square \frac{4}{8} \quad \frac{5}{12} \square \frac{9}{12}$$

5-nji bap

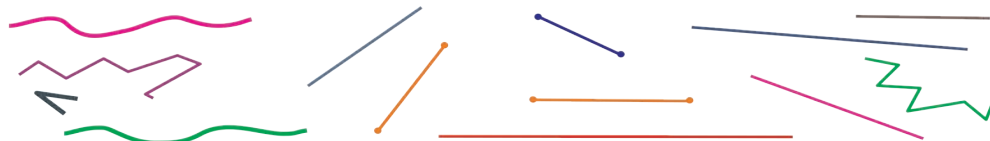
GEOMETRIK ŞEKILLER



5-nji bap
1-nji ders

Göni çzyk

1.  Çzyklary ýada salýarys we atlaryny aýdýarys. Göni çzyklary depderimize çyzýarys.



Göni çzyk Alifbedäki kiçi harpar bilen bellenýär. Bir sany nokatdan birnäçe sany göni çzyk geçirmek mümkin.



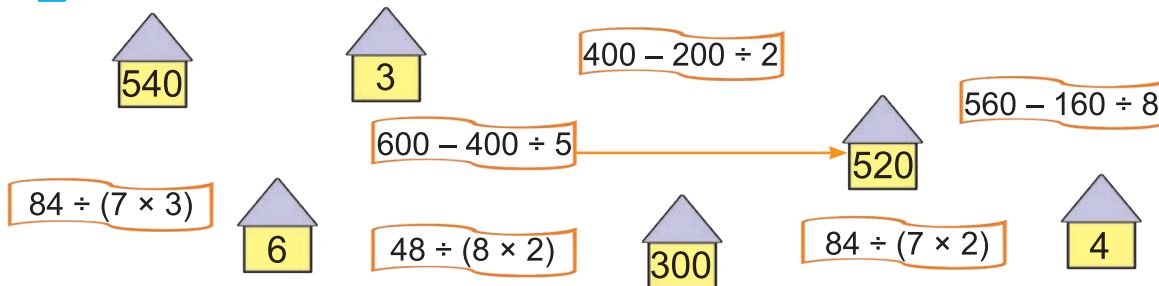
2.  Bir nokatdan iki sany göni çzyk geçirip, dürli burçlar emele getirýäris. Kimde nähili burçlar emele geldi?

3.  Ussa 4 m belentlikdäki diwary 3 günde tamamlady. Birinji günü belentligi 1 m 45 cm, ikinji günü belentligi 1 m 55 cm diwar gurdy. Ussa üçünji günü näçe metr belentlikde diwar guran?

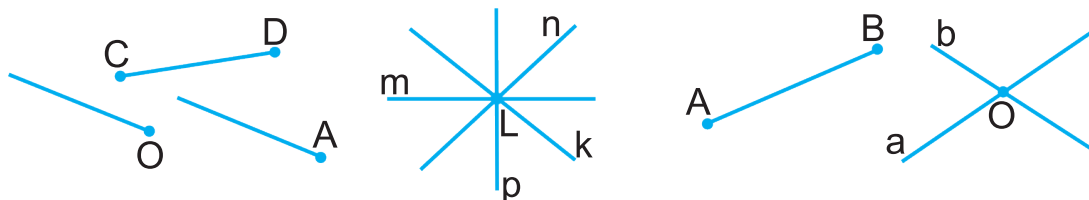


4.  Üç sany şekil – üçburçlyk, altyburçlyk we tegelek üç sany öýde ýaşayar: belent tamly, emma kiçi penjireli; belent tamly we uly penjireli; pes tamly we uly penjireli. Üçburçlyk we tegelek uly penjireli öýde ýaşayar, tegelek we altyburçlyk belent tamly öýde ýaşayar. Her bir şekil näçenji öýde ýaşayar?

5.  Hasaplaýarys. Aňlatmalaryň jemi haýsy öýe dogry gelýär?



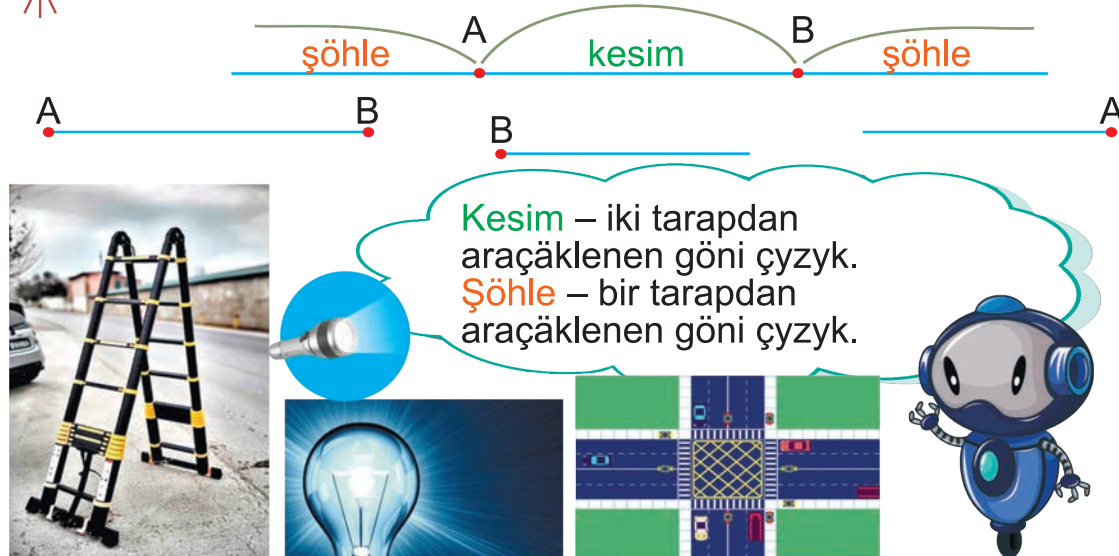
6.  Göni çzyklary anyklaýarys we çyzýarys.



5-nji bap
2-nji ders

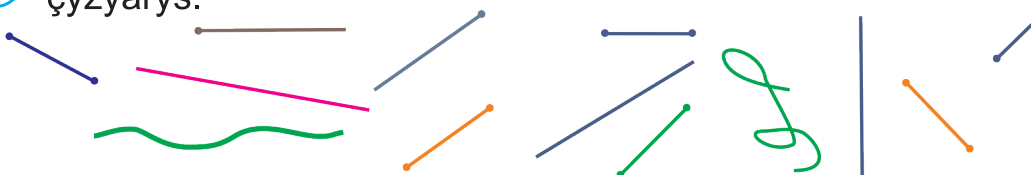
Kesim. Şöhle

1.  Göni çzykydan nämeler emele getirildi?



Ýene-de nämelerde kesim we şöhläni görmegimiz mümkin?

2.  Berlen çzyklardan şöhle we kesimleri kesgitleýäris we olary çyzýarys.



Özbaşdak göni çzykydan bir sany şöhle emele getirip bilýärsiňizmi?

3.  Kesimleriň uzynlygyny ölçäp, iň uzyn we iň gysgasyny depderimize çyzýarys.



4.  Rana we jigisi her günü säher bilen 200 m uzynlykdaky ýanyódada ylgaýar. Rana ýanyóda boýlap baş gezek, jigisi iki gezek ylgaýar.

– Rana her günü näçe metr ylgaýar? Jigisi näçe?
– Uýa – jigilerden haýsysy köp ylgaýar? Näçä köp?

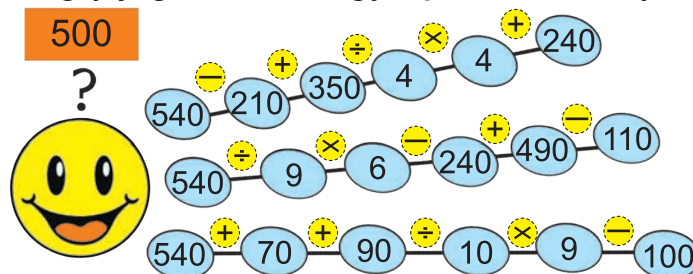


5. 



Kesimleriň sany näçe?

6.  Böwenjik dogry jogaba barmagy üçin kömek edýäris.



7.  Kesimleriň uzynlygyny tapýarys. Ikinji kesim birinji kesimden näçe esse uzyn, üçünji kesim bilen näçe aratapawut bar?



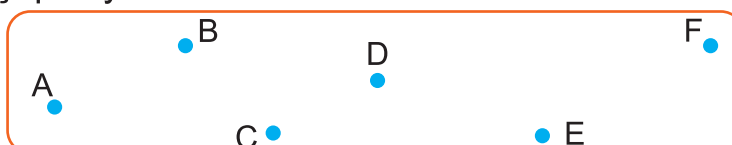
5-nji bab
3-nji ders

Göni çyzyk, kesim, şöhle

1.  Berlen kesimleri özara birleşdirmek arkaly nähili şekil emele getirmek mümkin? Onuň perimetrini tapýarys.



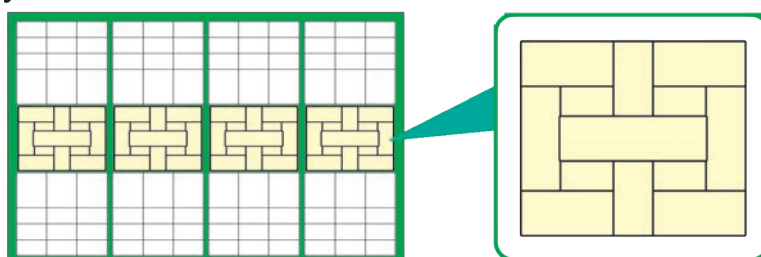
2.  Depderimize berlen nokatlary belläp, olary yzygider birleşdirýäris. Nähili şekil emele geldi? Şekil näçe sany kesimden ybarat? Onuň uzynlygyny ölçäp bilýärismi?



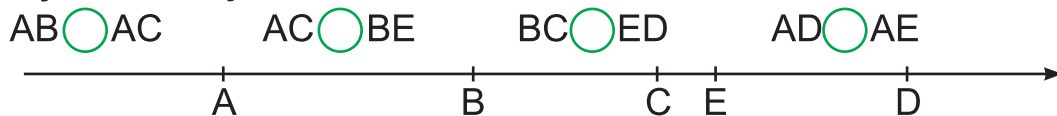
3.  3-nji synp okuwçylary baýram üçin sahnany mata bilen bezediler. 7 metrli matadan sahnanyň önki bölegi üçin 430 cm kesip alyndy, galan mata bolsa, bezegler üçin sarplandy.
- Sahnanyň bezegleri üçin näçe santimetr mata sarplanan?
 - Öňki bölek üçin ulanylan mata bezegler üçin ulanylan matadan, näçe santimetr artyk?



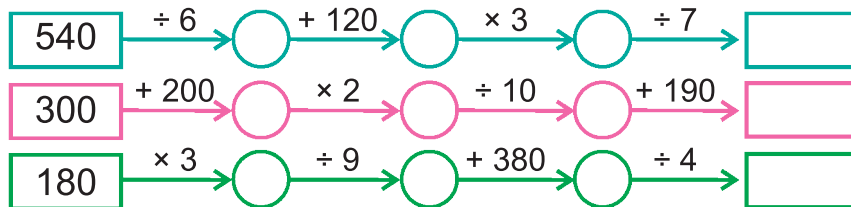
4.  Aýratyn görkezilen şekilde näçe sany kwadrat we dogry dört-burçlyk bar?



5.  Sanlar şöhlesinden peýdalanyň kesimleri deňeşdirýäris. Iň uly kesimi takmynan aýdyp bilýärismi? Näçe sany kesim emele gelipdir? Şöhleler näçe?



6.  Hasaplaýarys.



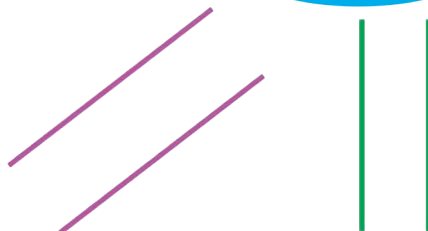
5-nji bap 4-nji ders

Parallel göni çyzyklar

1.  Ylgamak ýonýodasyndaky çyzyklary edil şeýle ýagdaýda dowam edenimizde, olar kesişýärmi?



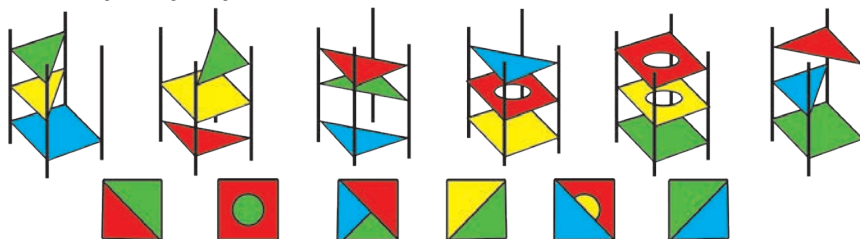
Bular – parallel göni çyzyklar. Olar kesişmeýär.



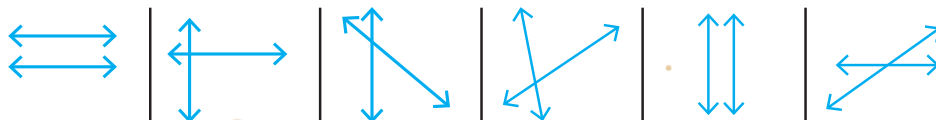
2.  Suratlarda nähili çyzyklary görýärsiňiz? Ýene-de nähili mysallar aýdyp bilýärsiňiz?



3.  Şekilleri parallel görnüşde üstme-üst düşürlende emele gelýän şekili anyklaýarys.

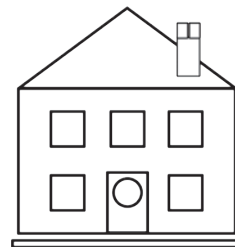


4.  Parallel göni çyzyklary anyklaýarys we çyzýarys.



5.  Kwadrat we dörtdurçlyk çyzýarys, olaryň parallel taraplaryny kesgitleýäris. Perimetrini tapýarys.

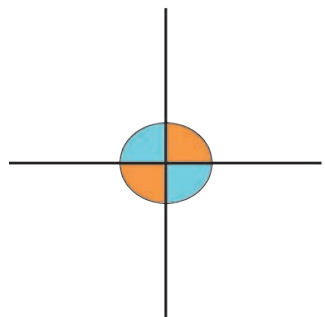
6.  Suratdaky parallel çyzyklary bir hil reňkde çyzýarys. Sizde näçe sany parallel çyzyk emele geldi?



5-nji bab
5-nji ders

Perpendikulýar göni çyzyklar

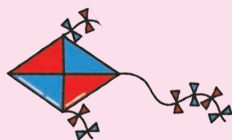
1. 



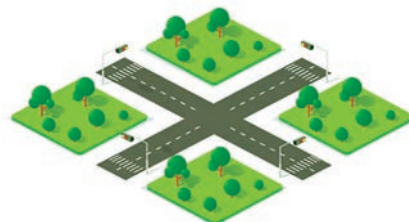
Bular – perpendikulýar göni çyzyklar. Olar dogry burç astynda kesişýär.



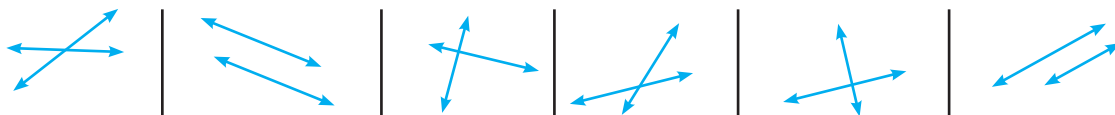
Ýene-de nämelerde perpendikulýar çyzyklaryny görmek mümkin?



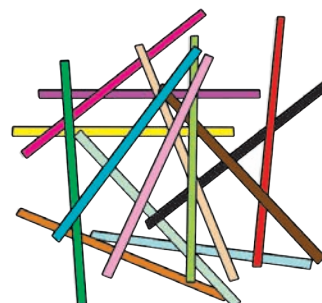
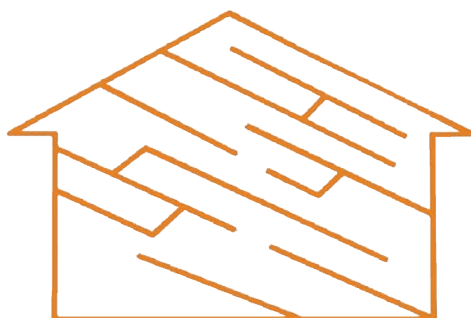
2.  Kwadrat şekilindäki bagyň bir tarapynyň uzynlygy 20 m. Bag töwereginiň uzynlygy näçe metr? Jemi 4 sany bagyň perimetrini tapýarys.



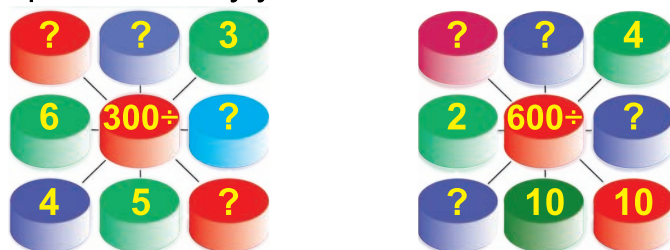
3.  Perpendikulýar göni çyzyklaryny tapýarys we çyzýarys.



4.  Şekillerde näçe sanydan parallel we perpendikulýar çyzyklar bar?



5.  Perpendikulyar goni chyzylar bo'yuncha shayle sanlary tapyñ welin, olaryñ köpeltmek hasyly merkezdäki sana deñ bolsun.



6.  Perpendikulyar goni chyzylar shakillendirilen yol hereketi belgisini kesgitleyaris we depderimize chyzarys.



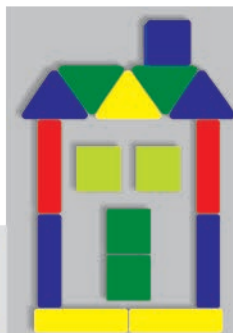
5-nji bap 6-njy ders

Yönekeý we tekiz şekilleri ýasamak

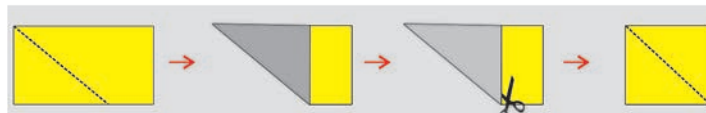
1.  Suratdaky zatlarda nähili geometrik şekilleri görýärsiñiz?



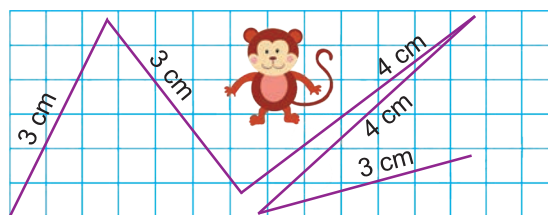
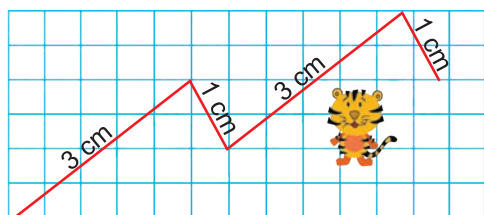
Olary ýene-de nirelerde düşürmagymyz mümkin?



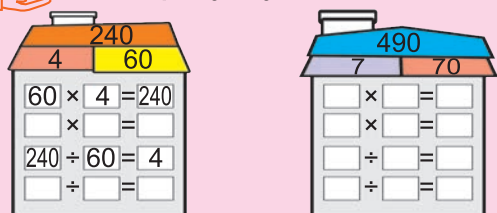
2.  Eplemek we gyrkmak arkaly dürli şekillerden öýjagaz ýasaýarys.



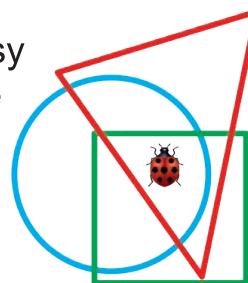
3.  Döwürk chyzylardan şekilleri emele getirýaris we olaryñ perimetrini tapýarys.



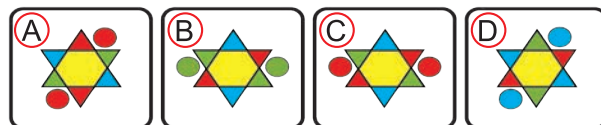
4.  Hasaplaýarys.



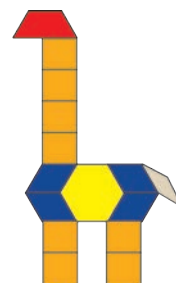
5.  Kekene haýsy şekiliñ içinde şekillendirilen?



6.  Yzygiderlik esasynda indiki şekili kesgitleýäris.



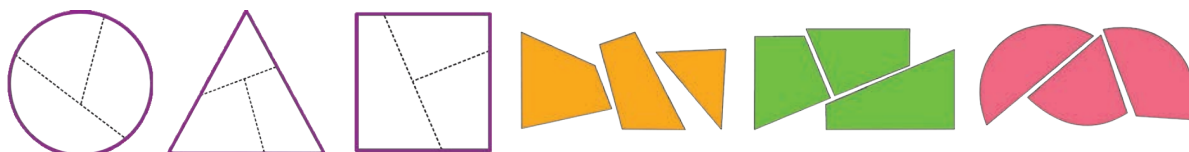
7.  Reňkli kagyzyň kömeginde dürli şekillerden žirafa ýasaýarys.



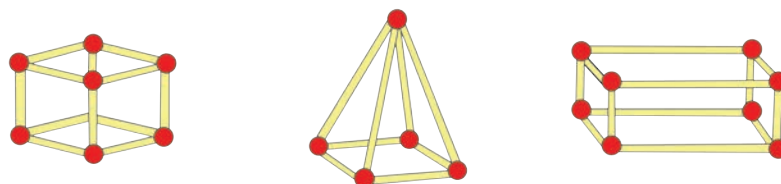
5-nji bap
7-nji ders

Ýönekeý we tekiz şekilleri ýasamak

1.  Şekillere laýyk gyrkyndylary kesgitleýäris.



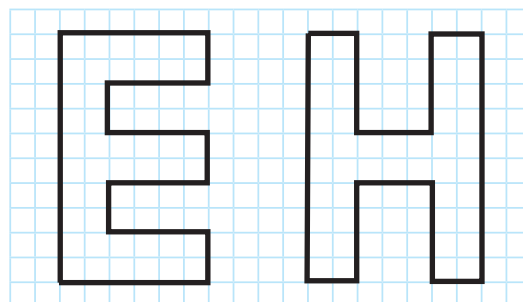
2.  Plastilin we otluçöpleriň kömeginde şekilleri ýasaýarys.



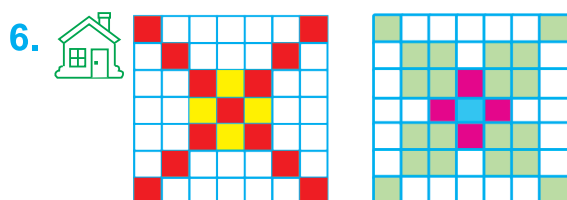
3.  Ikinji bolup haýsy şekil ýerleşdirilipdir?



4.  Sirkulyň kömeginde radiusy 2 cm bolan töwerek we tegelek çyzyp, diametrini kesgitleýäris.



5.  Şekilleri çyzyp, öýjükleri sanamak arkaly ýüzüni tapýarys.

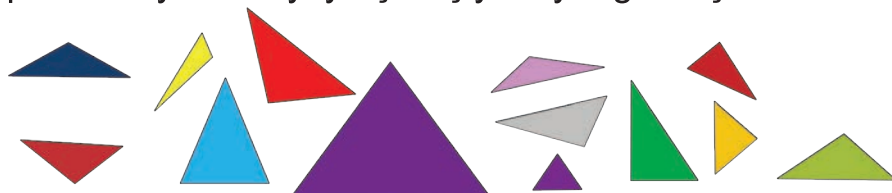


Şekilleriň ýüzüni öýjükleri sanap tapýarys we çyzýarys. Ýene-de muňa meňzeş şekilleri özbaşdak çyzyp bilýärsiňizmi?

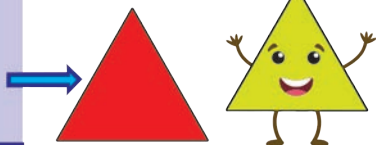
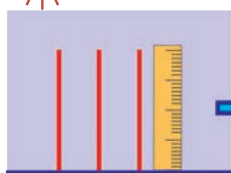
5-nji bap
8-nji ders

Üçburçlygyň görnüşleri

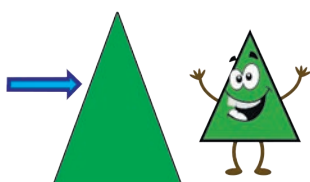
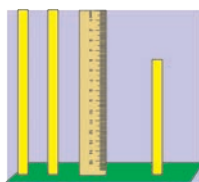
1.  Suratda näçe sany üçburçlygy görýärsiňiz? Olar nämäsi bilen tapawutlanýar? Haýsy üçburçlyklaryň görnüşü birmeňzeş?



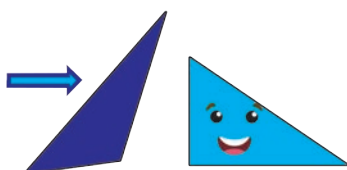
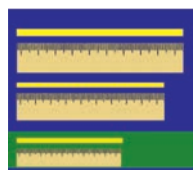
2.  Üçburçlyklar nähili emele geldi?



Men deň taraply üçburçlyk.
Meniň ähli tarapym deň.



Men deň gapdally üçburçlyk.
Meniň iki sany tarapym deň.



Men dürli taraply üçburçlyk.
Meniň taraplarym dürli hil.

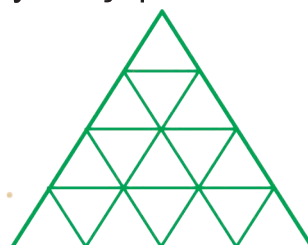
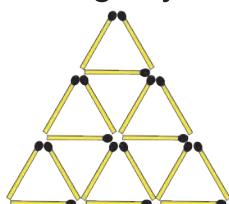
Ýene-de nämeler deň taraply, deňgapdally we dürli taraply üçburçlyklara meňzeýär?



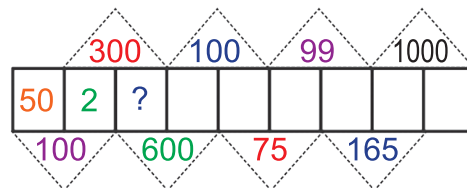
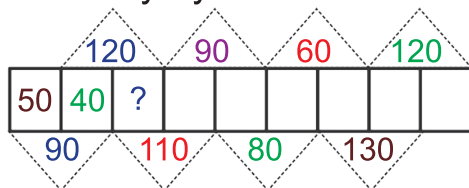
3.  Matadan özeni 8 cm bolan deň gapdally üçburçlyk şakilindäki guraklar gyrkyp alyndy. Olaryň 4 sanysyndan kwadrat emele getirildi. Eger bir sany ýassyk jildi üçin 10 sany şeýle kwadrat gerek bolsa, ýassyk jildiniň perimetrini tapýarys.



4.  Şekillerde näçe sany üçburçlyk bardygyny otluçöpleriň kömeginde kesgitleýäris.



5.  Goşmak we köpeltmek amallarynyň kömegi bilen boş öýjükleri doldurýars.



6.  Deň taraply, deň gapdally we dürli taraply üçburçlyklary çyzýars we taraplaryny ölçäp, perimetrini tapýars.

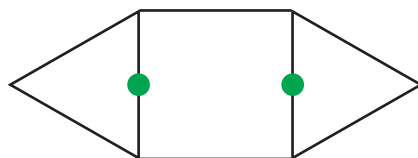
5-nji bap
9-njy ders

Üçburçlyk görnüşleri

1.  Suratlarda näçe sanydan üçburçlyk barlygyny kesgitleýäris we deňeşdirýäris.

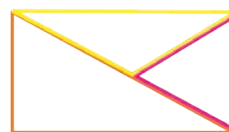


2. 



Berlen şekil kwadrat we deň taraply üçburçlyklardan ybarat. Eger kwadratnyň perimetri 124 cm bolsa, şekiliň perimetri nämä deň?

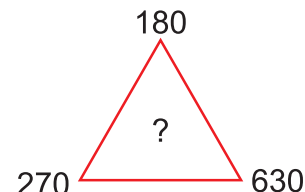
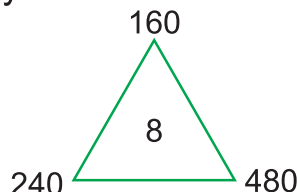
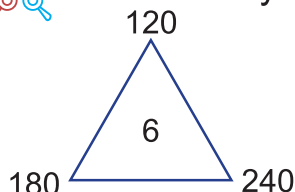
3.  Reňkli kagyzlardan üçburçlyklar gyrkyp, olardan dörtburçlyklar ýasaýars.



Ýene-de nähili üçburçlyk
şekilindäki zatlardan dörtburçlyk
emele getirmegimiz mümkin?



4.  Näbelli sany tapýars.



5.  Deňlik emele getirýäris.

$$120 \text{ cm} = \boxed{} \text{ m } \boxed{} \text{ cm}$$

$$456 \text{ cm} = \boxed{} \text{ m } \boxed{} \text{ dm } \boxed{} \text{ cm}$$

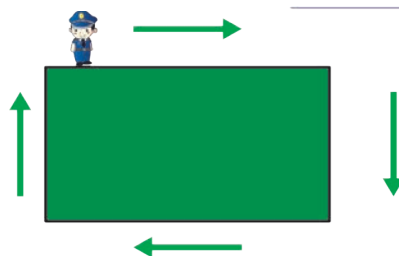
$$999 \text{ dm} = \boxed{} \text{ m } \boxed{} \text{ cm}$$

$$230 \text{ dm} = \boxed{} \text{ m}$$

$$755 \text{ m} = \boxed{} \text{ dm } \boxed{} \text{ cm}$$

$$381 \text{ cm} = \boxed{} \text{ dm } \boxed{} \text{ cm}$$

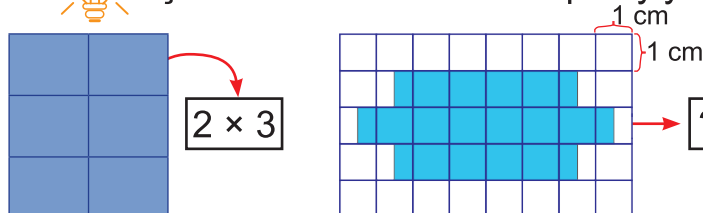
6.  Garawul taraplary 90 m we 60 m bolan bag boýlap ýöreýär. Eger garawulyň her bir ädimi 5 dm den bolsa, ol bagy bir gezek aýlanyp çykmagy üçin näçe ädim atmly bolar?



5-nji bab
10-njy ders

Şekilleriň ýüzüni paletka kömeginde ölçemek

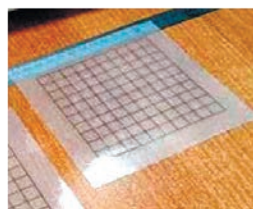
1.  Şekilleriň üsti nähili hasaplanylýar?



Beýle şekilleriň ýüzi paletka kömeginde tapylýar.

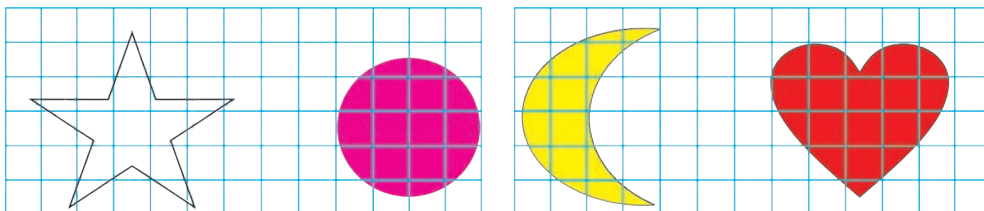


2.  Paletka kömeginde şekiliň ýüzüni hasaplaýarys.

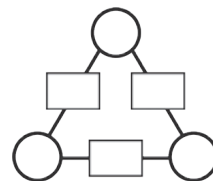


- Paletka kömeginde doly kwadrat-lary sanap çykýarys: **20** sany
- Doly bolmadyk kwadratlaryň sanyny 2 ä bölýäris: $24 \div 2 = 12$.
- Netijeleri goşýarys: $20 + 12 =$.

3.  Şekilleriň ýüzüni tapýarys we deňeşdirýäris.



4.  Boş öýjüklere 7, 8, 9, 12, 13, 14 sanlaryny şeýle ýerleşdiriň welin, her bir hatardaky sanlaryň jemi birmeňzeş bolsun.



5.  Hasaplaýarys.

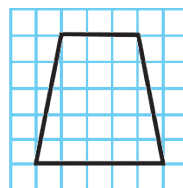
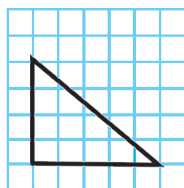
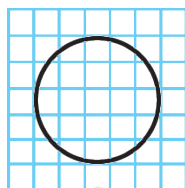
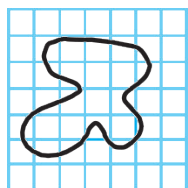
$$12 \text{ dm } 8 \text{ cm} + 87 \text{ dm } 7 \text{ cm}$$

$$16 \text{ cm } 6 \text{ mm} + 29 \text{ cm } 4 \text{ mm}$$

$$25 \text{ dm } 7 \text{ cm} + 5 \text{ dm } 8 \text{ cm}$$

$$67 \text{ cm } 9 \text{ mm} + 33 \text{ cm } 1 \text{ mm}$$

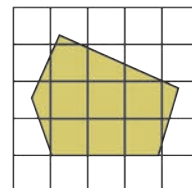
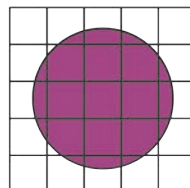
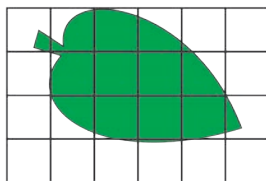
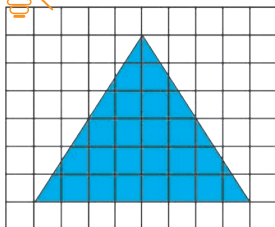
6.  Haýsy şekiliň ýüzi iň uly? Ol iň kiçi yüzden näçe aratapawutly?



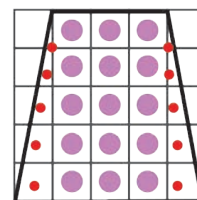
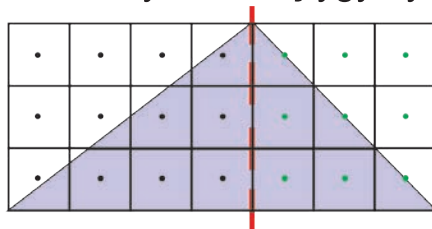
5-nji bap
11-nji ders

Şekilleriň ýüzüni paletkanyň kömeginde ölçemek

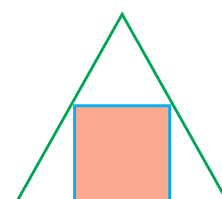
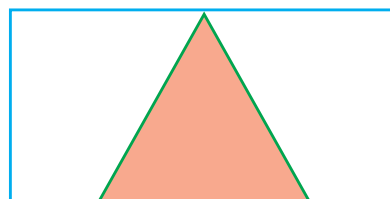
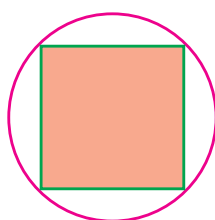
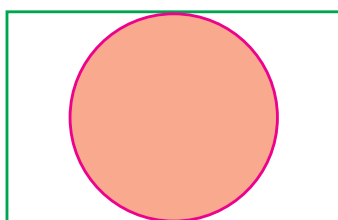
1.  Şekilleriň ýüzüni tapýarys we deňeşdirýäris.



2.  Şekilleriň ýüzüni hasaplaýarys. Edil şeýle 3 sany üçburçlygyň hem-de 2 sany dörtburçlygyň ýüzi näçe aratapawutly?



3.  Berlen şekilleri boýalmadyk bölekleri ýüzlerini paletkanyň kömeginde hasaplaýarys we deňeşdirýäris.

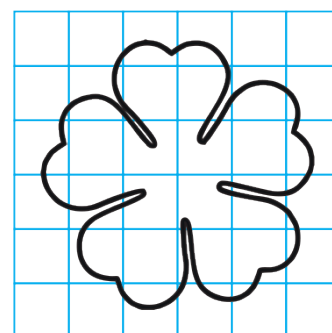
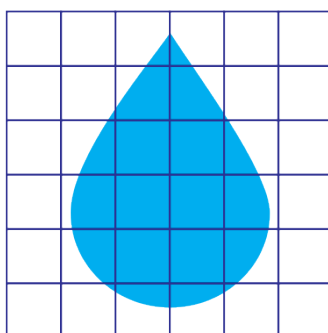
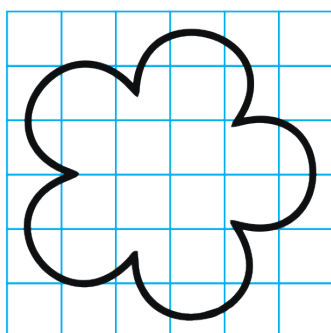


4.  4 sany 4 sifri, arifmetik amallar we ýaýlaryň kömeginde şeýle aňlatmalar düzün welin, olaryň netijesi 1 den 9 a çenli bolan sanlara deň bolsun.

5.  Çagalar otagynyň poly kwadrat şekilindäki halyjykalar bilen örtülen. Ony doldurmak üçin ýene näçe sany halyjyk gerek?



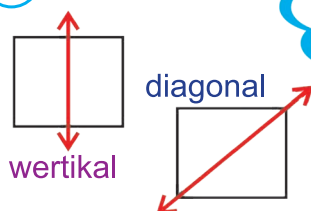
6.  Şekilleri çyzýarys we paletkanyň kömeginde ýüzüni hasaplaýarys.



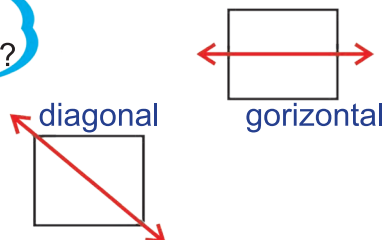
5-nji bap
12-nji ders

Oka görä simmetriýa

1.  Ýada salýarys.



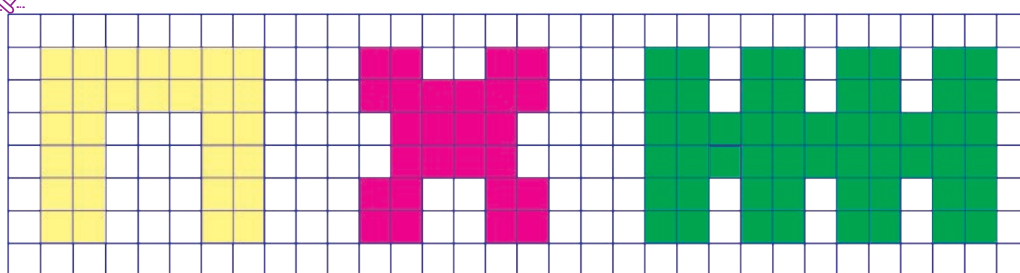
Simmetriýa oklary nähili atlandyrylyşyny bilýärsiňizmi?



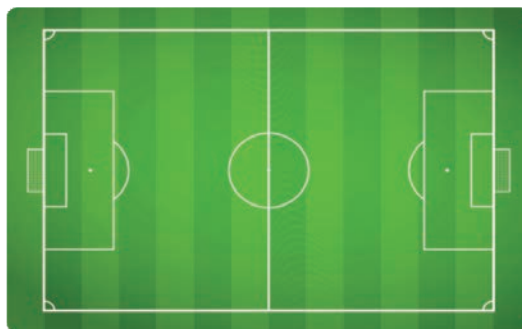
Zatlardan näçe sany simmetriýa okyny geçirmek mümkin?



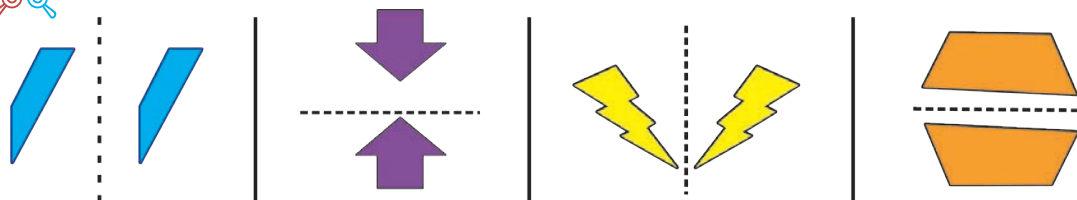
2.  Şekillerdäki simmetriýa oklaryny kesgitleýäris we çyzýarys.



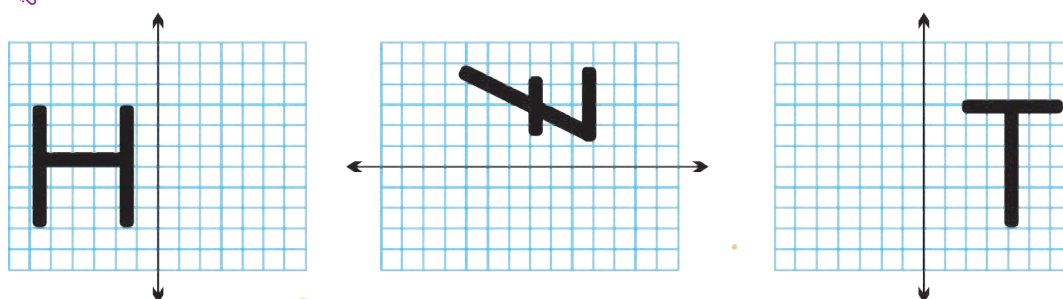
3.  Futbol meýdanynyň ini 45 metr, uzynlygy 90 metr bolsa, meýdandan gorizontal geçen simmetriýa oky wertikal simmetriýa okuna görä näçe esse uly bolýar? Bu meýdandan diagonal simmetriýa okuny geçirmek mümkinmi?



4.  Aýnada dogry şöhlelenen şekilleri anyklaýarys.



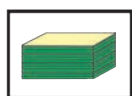
5.  Simmetrik şekilleri çyzýarys.



6. Bahasy deň bolan zatlaryň simmetrikligini kesgitleýäris.



$$250 \div 5$$



$$147 + 324$$



$$96 \div 16$$



$$500 \times 1$$



$$567 - 189$$



$$320 \div 4$$



$$480 \div 6$$



$$629 - 436$$



$$50 \times 10$$



$$125 + 457$$

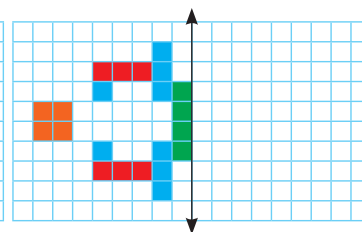
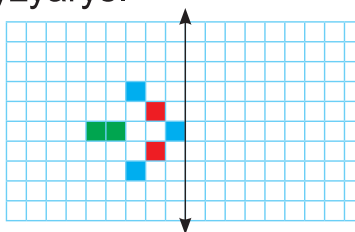
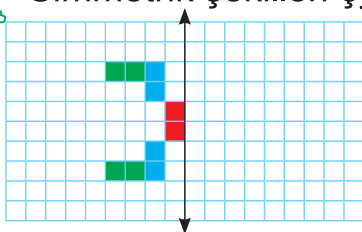


$$34 \div 17$$



$$326 \times 3$$

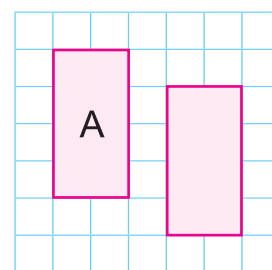
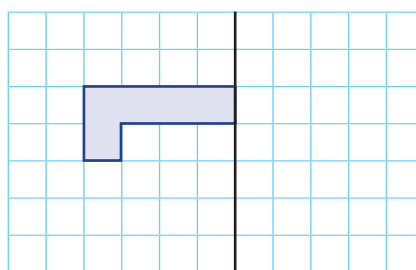
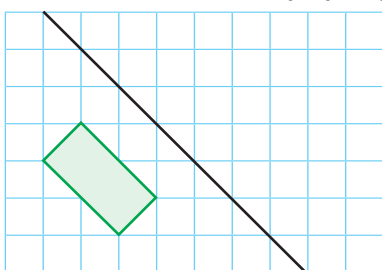
7. Simmetrik şekilleri çyzýarys.



5-nji bap
13-nji ders

Şekilleri burmak, gozgatmak, aýlandyrmak

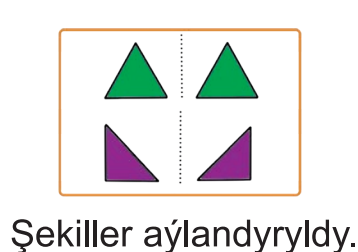
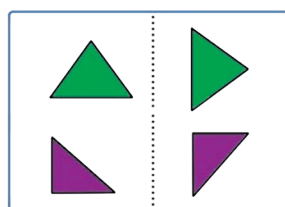
1. Oklara görä şekilleriň simmetrik şekilini görkezýäris. «A» şekil näçe we haýsy ugurda hereketlenipdir?



2. Hereketleri ýatda saklaýarys.

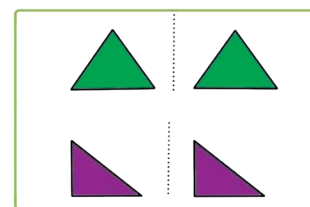


Şekiller buruldy.



Şekiller aýlandyryldy.

Şekiller gozgaldy.



3. Şekiliň hereketleri nähili manyyny aňladyp dur?

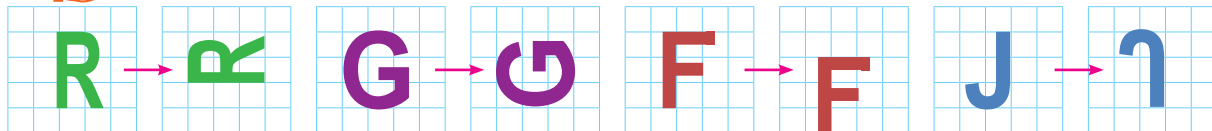


4. Şekilleriň indiki ýagdaýlaryny kesgitleýäris.



5.  Babyr öyünden çykyp, 27 m göni, 32 m çepe, 16 m saga we 12 m çepe yönäden soň, mekdebe gelýär. Farhad bolsa, öyünden 45 m çepe, 18 m saga, 23 m çepe we ýene-de 15 m çepe ýöräp mekdebe gelýär. Olardan haýsyy biri köp aralygy we burulmalary basyp geçýär?

6.  Şekiller nähili hereketlerden emele gelýär?



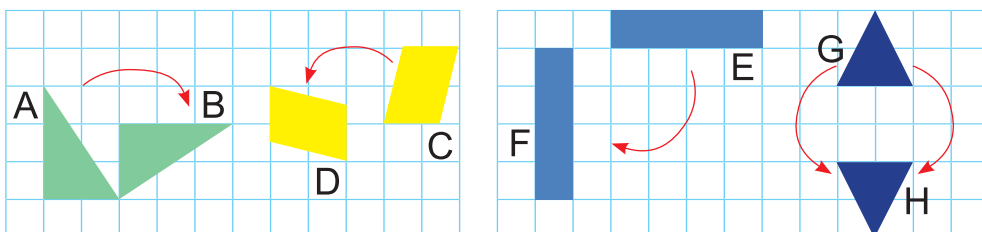
7.  Her bir şekiliň indiki we altynjy burulmakydaky ýagdaýyny çyzýarys.



5-nji bab
14-nji ders

Şekilleri burmak, gozgatmak, aýlandyrmak

1.  Şekiller nähili hereket netijesinde indiki ýagdaýa geçdi?

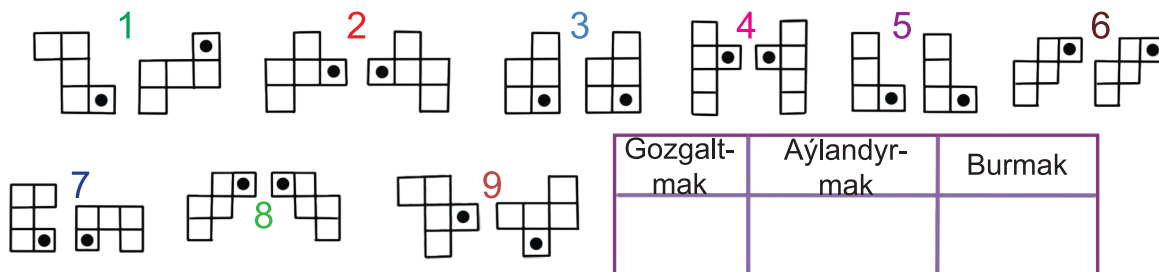


Şekilleriň üçünjy burulmakydaky ýagdaýyny aýdyp bilýärsiňizmi?

2.  Nusga esasynda şekili gozgaldýarys, aýlandyrýarys, burýarys.



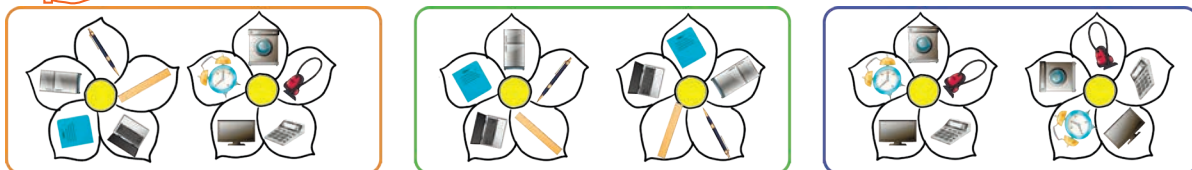
3.  Sifrlere deň ýagdaýlary kesgitleýäris we jedwele ýazýarys.



4.  Hasaplaýarys, netijeleri artýan tertibinde ýerleşdirýäris.

740	433	548	125	430	230
- 579	+ 377	- 269	+ 168	- 207	- 178
					

5.  Her bir gülün hereketi nähili üýtgäpdir?



Ilkinji görnüşi emele gelmegi üçin suraty näçe gezek burýarys?

6.  Şekilleri çyzyp, burýarys, gozgaldýarys we aýlandyrýarys.

			
Burýarys			

5-nji bap
15-nji ders

Giňişlikdäki geometrik şekiller

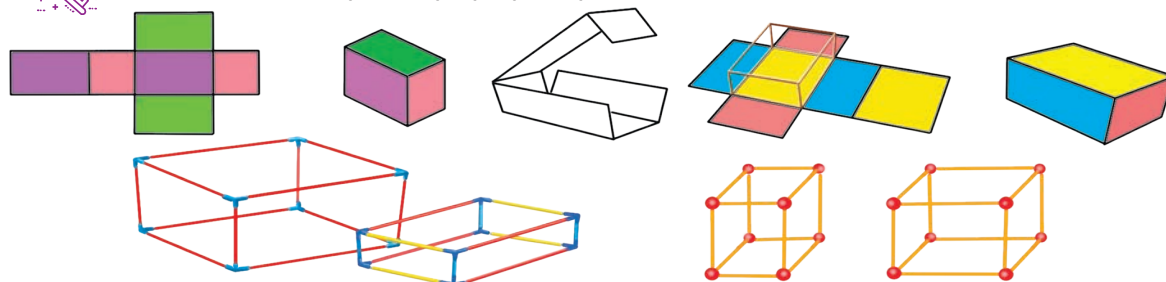
1. 

Bu – kuboid, ýagny göniburçly parallelepiped.

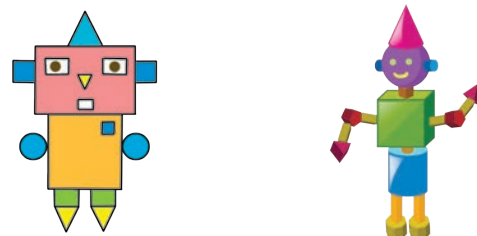
Ýene-de nämeler kuboide meňzeýär?



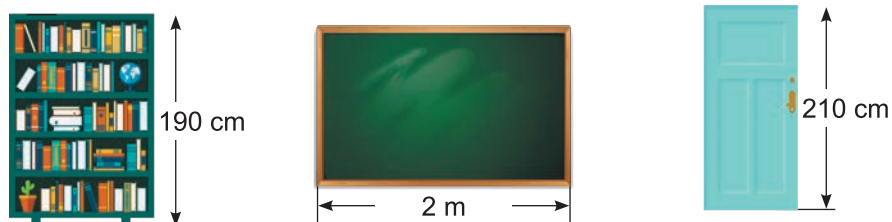
2.  Kuboid nähili ýasalýşyny bilýärsiňizmi?



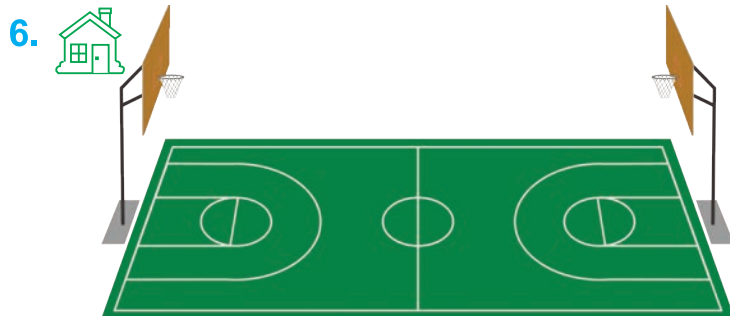
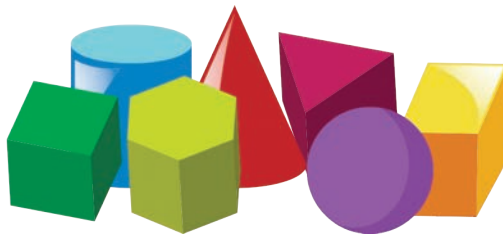
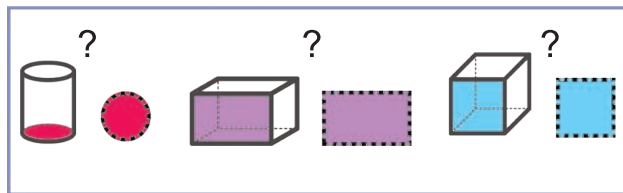
3.  Robotlary ýasamakda nähili şekillerden peýdalanylypdyr?



4.  Suratda görkezilen predmetleriň ini boýundan 2 esse gysga bolsa, olaryň perimetrini tapýarys.



5.  Giňışlikdäki şekillere dürli tarapdan seredende nähili tikiz geometrik şekili görýäris?



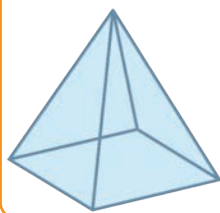
Dogry burçly basketbol meýdanynyň uzyn tarapy 28 m, gysga tarapy 15 m. Bu meýdanyň perimetrini nähili tapmak mümkin?

5-nji bab
16-njy ders

Giňışlikdäki geometrik şekiller

1. 

Men piramida.

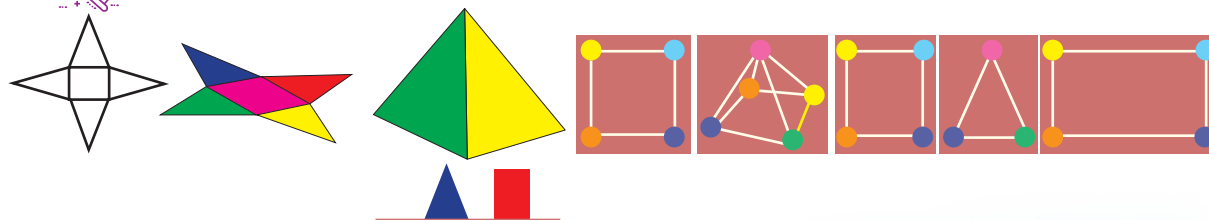


Ýene-de nämeler
piramida
meňzeýär?



2. 

Piramida nähili ýasalýşyny bilýärsiňizmi? Bilelikde ýasaýarys.

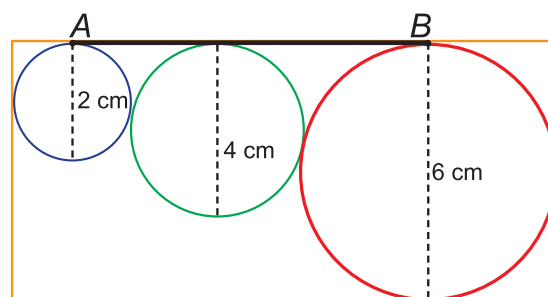


3. 

Syýahatçylar dag eteginde kiçi we uly çadyrlar ýerleşdirdiler. Eger kiçi çadyrlaryň her birinde 6 sanydan, uly çadyrda bolsa, ondan 2 esse köp syýahatçy ýerleşen bolsa, jemi näçe sany syýahatçy dag eteginde dynç almaga çykyndyr?



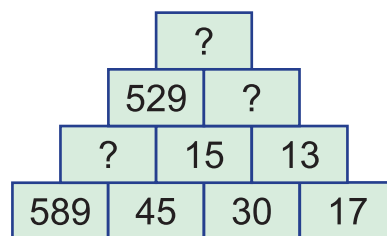
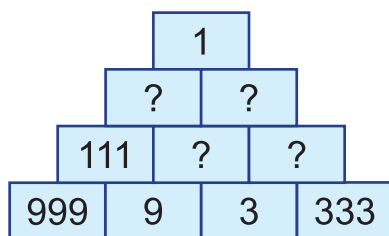
4.  Töwerekleri çyzýarys we AB kesimiň uzynlygyny tapýarys.



5.  Köpeltmek hasyllaryny tapýarys.

$$\begin{array}{r} 315 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 327 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 292 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 162 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 385 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 276 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 416 \\ \times 2 \\ \hline \end{array}$$

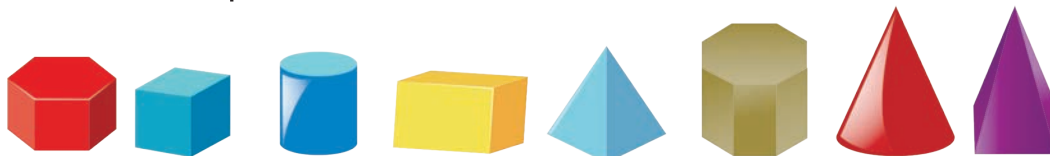
6.  Hasaplaýarys.



5-nji bab
17-nji ders

Giňişlikdäki geometrik şekiller

1.  Berlen şekilleriň adyny aýdýarys. Olar nähili şekiller? Olaryň taraplary nähili şekillerden ybarat? Kuboid nähili şekillerden emele gelýär? Silindr we piramida nähili?



2.  Zatlar haýsy giňişlikdäki şekile laýyk gelýär?

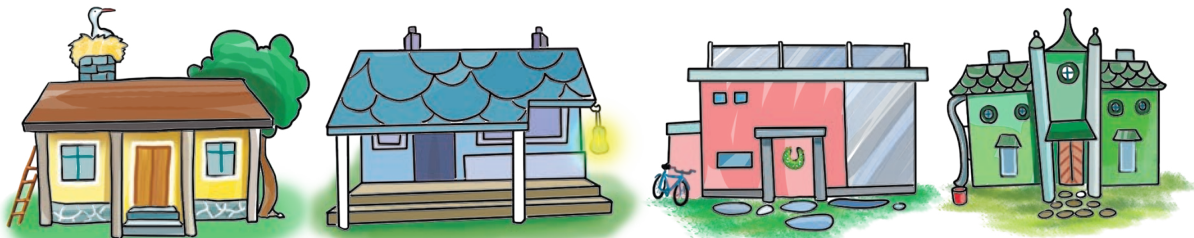


- Ähli tarapy kwadratlardan emele gelen şekil näme diýip atlandyrylýar?
- Oýnawajyň tarapyny emele getiren şekil nähili atlandyrylýar?
- Doňdurma we oýnawaç şekillerinde nähili meňzeşlik bar?
- Kerpiç we kubuň şekillerinde nähili meňzeşlik bar?

3.  Hasaplaýarys.
Haýsy pökgi derwezäniň töründen ýer alýar?

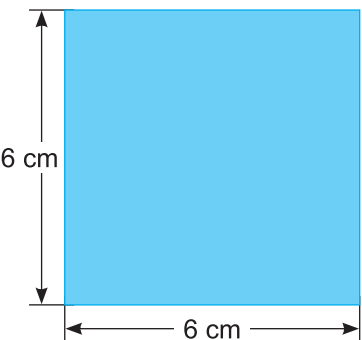


4. Çagalaryň jaýlary we söýgüli işlerini tapýarys.



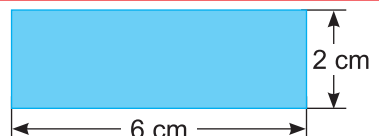
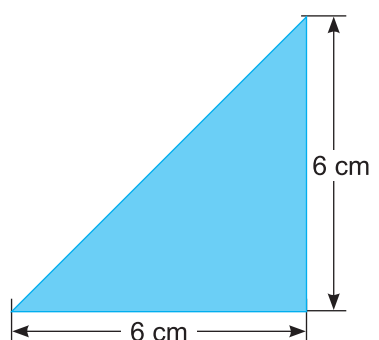
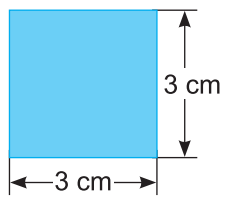
- Kamil – atletikaçy, ol ylgamak bilen meşgullanýar.
- Basketbolçy we hokkeýçi goňşy däl.
- Basketbolçy gök jaýda ýaşaýar.
- Alişer atletikaçynyň ýanynda ýaşaýar.
- Aýgyz gyzyly we sary jaýlaryň arasynda ýaşaýar.
- Malika gök jaýyň ýanynda ýaşaýar.
- Atletikaçy gyzyly jaýda ýaşaýar.
- Aýgyzyň goňşusy ýüzmäge gatnaýar.

5. Maglumatlardan peýdalanyň kwadratly ýapmagy mümkin bolan şekilleriň sanyny kesgitleýäris.



6 cm

6 cm

Şekiller	Bu şekilden näçe sany peýdalanylýar?
 6 cm 2 cm	
 6 cm 6 cm	
 3 cm 3 cm	

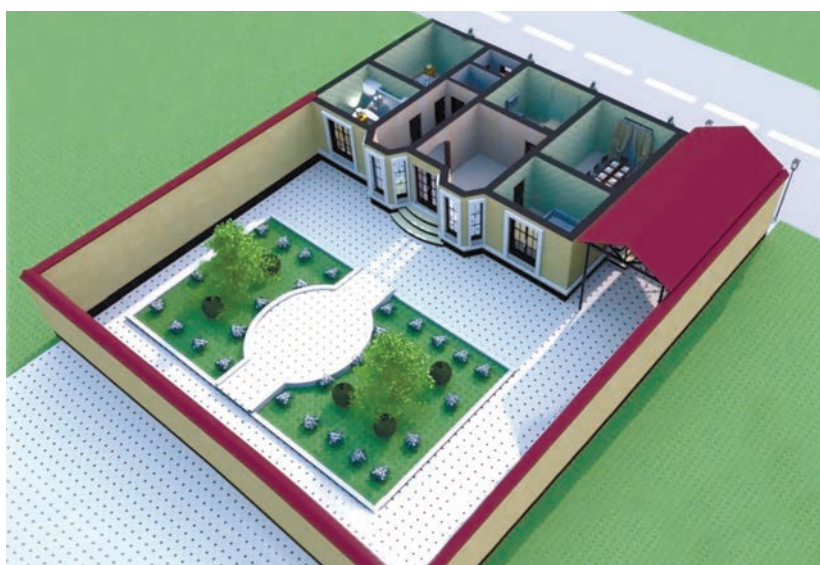
6. Öýümüzdeki görnüşi kuboid, piramida we konusa meňzeş zatlary anyklap ýazýarys hem-de suratyny çyzýarys.

5-nji bap
18-nji ders

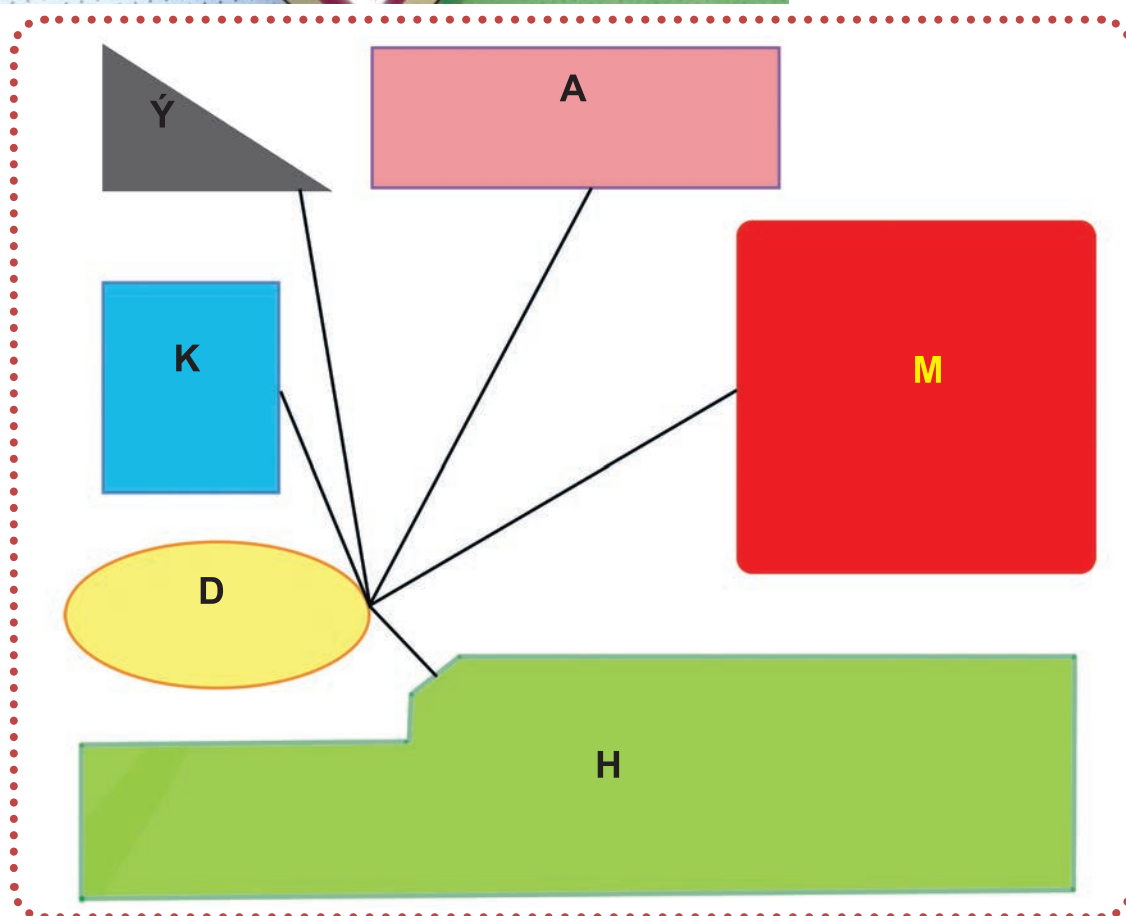
Giňişlikdäki geometrik şekiller. STEM ýumuş



Öýümizdäki ders otagy (ders otagy) garanda, başga otaglaryň (aşhana, myhmanhana, girelge, ýuwunýan otag, ýatylýan otag) ýerleşişini şekillendirýän çyzgy, grafik çyzýarys. Her bir otagy islendik reňkler bilen boýaýarys we geljekgi duýgularymyzy şekillendirýäris.



D – **ders otagy**
K – **kitaphana**
Ý – **ýuwunýan otag**
A – **aşhana**
M – **myhmanhana**
H – **howlu**



Hany aýdyň, näme üçin myhmanhana gyzyll reňkde?
Siz onuň nähili reňkde bolmagyny halaýarsyňyz?

6-njy bap

ÖLÇEG BIRLIKLARI

Pul

som

Sagat

h

Millimetr

mm

Metr

m

Kilogram

kg

Santimetr

cm

Kilometr

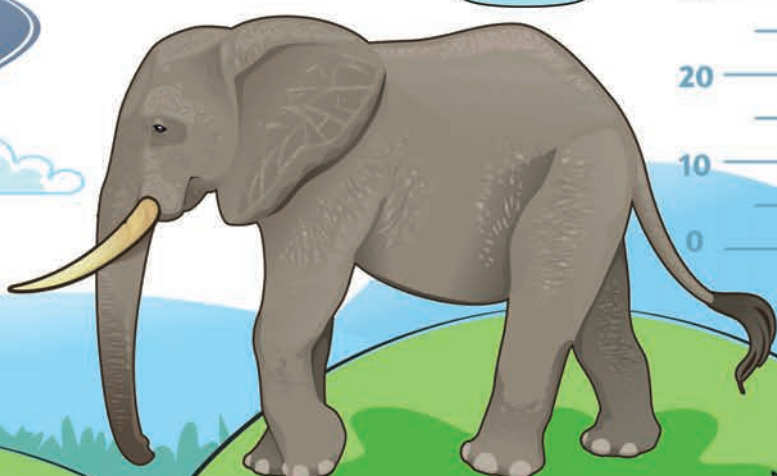
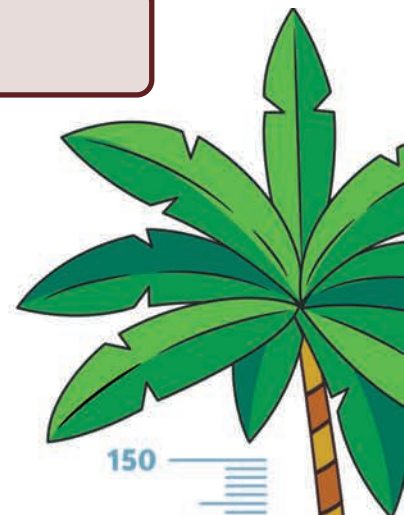
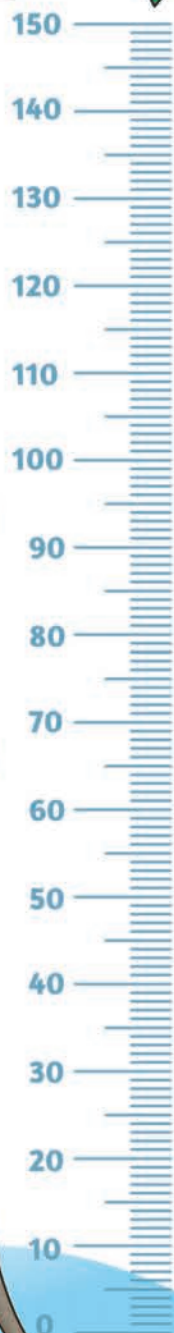
km

Litr

L

Gramm

g



6-njy bap
1-nji ders

Uzynlyk ölçeg birlikleri

1.  Bu zatlary nähili uzynlyk ölçeg birlikleriň kömegi bilen ölçeyäris?



2.  Deňlik emele getirýäris.

$3 \text{ m} = \square \text{ dm} = \square \text{ cm}$ $5 \text{ m } 6 \text{ dm} = \square \text{ cm}$ $800 \text{ dm} = \square \text{ m}$
 $6 \text{ m} = \square \text{ dm} = \square \text{ cm}$ $2 \text{ m } 5 \text{ dm} = \square \text{ cm}$ $900 \text{ dm} = \square \text{ m}$

3.  Hazynany gözleýjä hazynany tapmaga kömek edýäris. Kartada hazyna minaradan 6 cm uzaklykda, agaçdan 5 cm uzaklykdaky gaýa aşagyn-da ýerleşen. Hazyna barýan ýoluna deň bolan kesimleri çyzýarys.



4.  60 m ýüpi 5 m den böleklemek üçin näçe gezek gyrkmaly?

5.  Şakir özüniň oýnawaçlary üçin kiçi haýwanat bagy ýasady. Haýwanat bagy araçägini gysdyrgyç bilen ölçedi. Eger bir sany gysdyrgyç 2 cm uzynlykda bolsa, her bir tarap uzynlygy näçe santimetre deň? Araçägiň perimetrini detsimetr we santimetrlerde aňladýarys.



6.  Maşgala agzalaryňzyň uzunlygyny kesgitleýäris. Maglumatlary jedwelde aňladýarys.

Maşgala agzalary	Uzunlygy	Iň belent	Iň pes	
Men	105 cm	–		
Kakam				

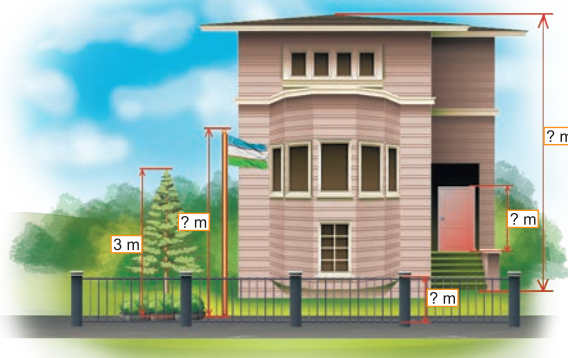
Hany aýdyň, kimiň uzunlygy iň pes boýly maşgala agzasyna görä belendräk? Iň belent we iň pes boýlaryň arasyndaky aratapawut näçä?

6-njy bap
2-nji ders

Uzynlyk ölçeg birlikleri

1.  Uzynlyklary çaklap tapýarys.

- Jaýyň belentligi m
- Baýdagyň belentligi m
- Agajyň belentligi m
- Gapynyň belentligi m
- Serhediň belentligi m
- Nämäniň uzynlygy gapydan belent, baýdakdan pes?



2.  Çak edýäris we ölçeyäris.

	Çak edende	Anyk ölçeg		Çak edende	Anyk ölçeg
	___ cm	___ cm		___ cm	___ cm
	___ cm	___ cm		___ cm	___ cm
	___ cm	___ cm		___ cm	___ cm

3.  Hasaplaýarys.

$$3 \text{ cm } 2 \text{ mm} + 5 \text{ cm } 19 \text{ mm}$$

$$4 \text{ cm } 93 \text{ mm} - 2 \text{ cm } 17 \text{ mm}$$

$$7 \text{ cm } 1 \text{ mm} - 2 \text{ cm } 43 \text{ mm}$$

$$2 \text{ dm } 5 \text{ cm} + 7 \text{ dm } 7 \text{ cm}$$

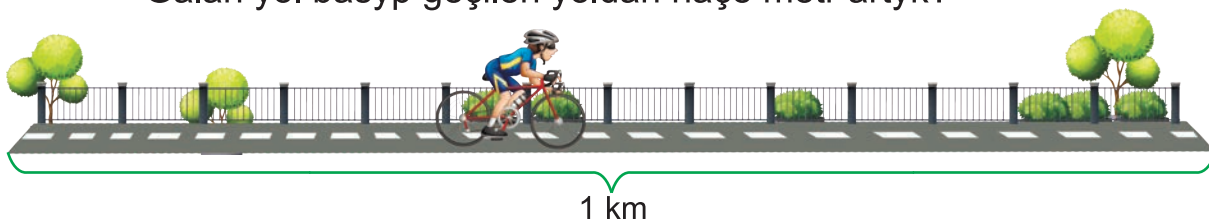
$$13 \text{ dm} + 97 \text{ dm}$$

$$23 \text{ cm } 7 \text{ mm} + 76 \text{ cm } 3 \text{ mm}$$

4.  Kim çalasyn ýaryşynda alty gatnaşyjy bir-birinden 10 m uzaklykda. Birinji we altynjy gatnaşyjynyň arasyndaky aralyk näçe metr?

5.  Çapyksuwar 1 km ýoluň 473 m aralygyny basyp geçdi.

– Çapyksuwar finişe ýetip barmagy üçin ýene näçe metr ýol basyp geçmeli?
– Galan ýol basyp geçilen ýoldan näçe metr artyk?



6.  Oýnawaç maşynyny dürli hil belentliklerden goýup goýbeýäris.

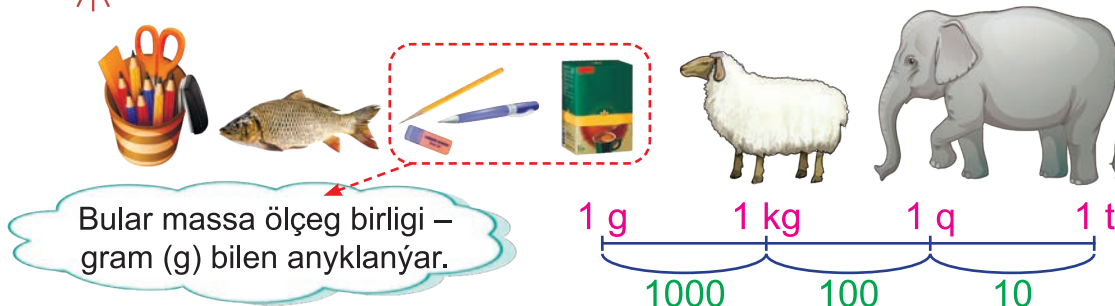


Maşynyň basyp geçen aralygyny ölçeyäris.
Nähili ýagdaýda maşyn uzakrak aralygy basyp geçer?
Jedwel düzüp belleýäris.

6-njy bab
3-nji ders

Massa ölçeg birlikleri

1.  Zatlar we jandarlaryň massasy nähili ölçenilýär?



g – gram

kg – kilogram

q – sentner

t – tonna

1 kg = 1000 g

1 q = 100 kg

1 t = 1000 kg

2.  Deňlikler emele getirýäris.

$$7 \text{ q} = \boxed{} \text{ kg}$$

$$5 \text{ t } 4 \text{ q} = \boxed{} \text{ q}$$

$$9 \text{ q} = \boxed{} \text{ kg}$$

$$2 \text{ t } 7 \text{ q} = \boxed{} \text{ q}$$

$$6 \text{ t} = \boxed{} \text{ q}$$

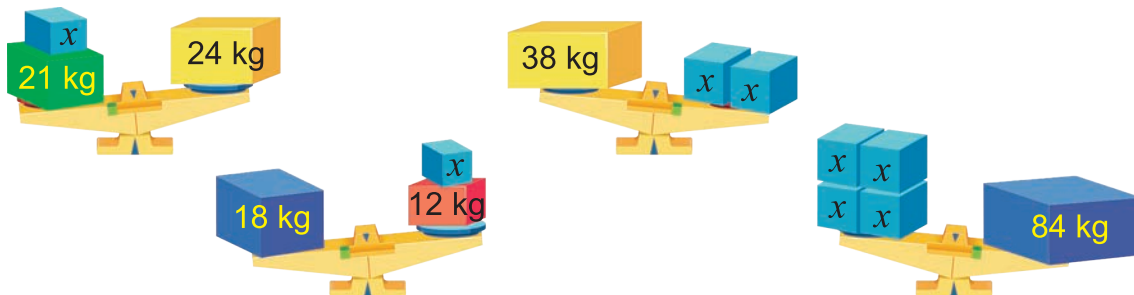
$$8 \text{ t } 3 \text{ q} = \boxed{} \text{ q}$$

3.  3 sany kitap bar. Olaryň massasy 350 g, 225 g, 375 g.

– Kitaplaryň jemi massasy näçe?
– Jemi kitaplar massasy 1 kilogramdan agyrmý ýa-da ýeňil?
– Haýsy kitap agyrrak? Haýsysy ýeňilräk?



4. Kubuň agyrlıgy näçe?



5. Horazyň massasy 2 kg. Surat esasynda haýwanlaryň massasyny tapýars.



- Itiň massasy horazyň massasyndan näçe esse artyk?
- Pişigiň massasy towşanyň massasyndan näçe kilogram ýeňil?

6. Maşgala agzalaryňyzyň agramyny kesgitleýäris. Maglumatlary jedwelde aňladýars.

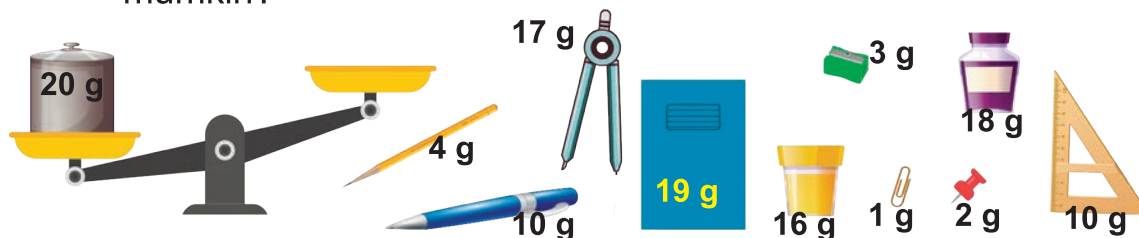
Maşgala agzalary	Agramy	Iň agyr	Iň ýeňil
Kakam	84 kg	+	–

- Kimiň agramy iň ýeňil agramyly maşgala agzasyna görä agyrrak?
- Iň agyr we iň ýeňil agramlaryň arasyndaky aratapawut näçe?

6-njy bap
4-nji ders

Massa ölçeg birlikleri

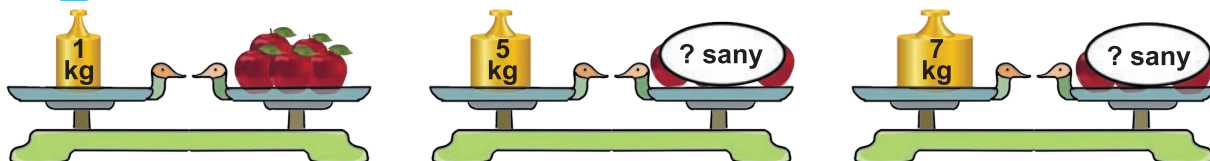
1. Zatlardan peýdalanyň, näçä usluda terezini deňagramly etmek mümkin?



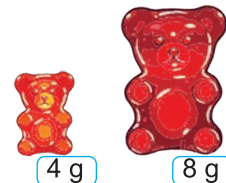
2. Hasaplaýars we deňeşdirýäris.

$725 \text{ g} + 275 \text{ g} \bigcirc 347 \text{ g} + 504 \text{ g}$
 $954 \text{ g} - 163 \text{ g} \bigcirc 187 \text{ g} + 604 \text{ g}$
 $477 \text{ g} - 319 \text{ g} \bigcirc 635 \text{ g} - 409 \text{ g}$
 $537 \text{ g} + 85 \text{ g} \bigcirc 1 \text{ kg} + 601 \text{ g}$

3.  Bir sany almanyň massasy näçe gram?



4.  5 sany 8 g-ly marmalad bilen näçe sany 4 g-ly marmalad terezide deňagramlylykda bolar?



5.  Maglumatlardan peýdalanyň soraglara jogap berýäris.

Çagalar	Farhat	Anora	Zilola
Agramy	23 kg	?	21 kg
Jemi	63 kg		

Anoranyň agramy näçe kilogram?

Farhadyň agramy Zilalanyň agramyndan näçe kilogram agyr?

Anoranyň agramy Zilolanyň agramyndan näçe kilogram ýeňil?

Zilola we Anoranyň umumy agramy näçe kilogram?

Farhat we Zilolanyň umumy agramy näçe kilogram?

6.  Hasaplaýarys.

$$725 \text{ g} + 275 \text{ g}$$

$$635 \text{ g} - 409 \text{ g}$$

$$537 \text{ g} + 85 \text{ g}$$

$$477 \text{ g} - 319 \text{ g}$$

$$347 \text{ g} + 504 \text{ g}$$

$$1 \text{ kg} - 631 \text{ g}$$

6-njy bap
5-nji ders

Wagt ölçeg birlikleri

1.  Sagatlar haýsy wagty görkezýändigini aýdýarys we ýazýarys.



2.  Hany aýdyň, siz näçe ýaşdasyňyz? Maglumatlardan peýdalanyň ýaşyňyzy aýlarda aňladyň.

24 sagat = 1 gün



7 gün = 1 hepde



4 hepde = 1 aý
1 aý 28 – 31 gün

Aprel 2022						
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

12 aý = 1 ýyl
1 ýyl = 365 gün



3.  Nusga esasynda hasaplaýarys.

$$12 \text{ aý} + 40 \text{ aý} = 52 \text{ aý}$$

$$365 \text{ gije-gündiz} - 176 \text{ gije-gündiz}$$

$$245 \text{ gije-gündiz} + 112 \text{ gije-gündiz}$$

$$1 \text{ ýyl} - 6 \text{ aý}$$

$$37 \text{ ýyl} + 89 \text{ ýyl}$$

$$365 \text{ gün} - 8 \text{ hepde}$$

4.  Bir ýylda 7 aý 31 günden, 4 aý 30 günden ybarat bolsa, galan aý näçe günden ybarat bolar?

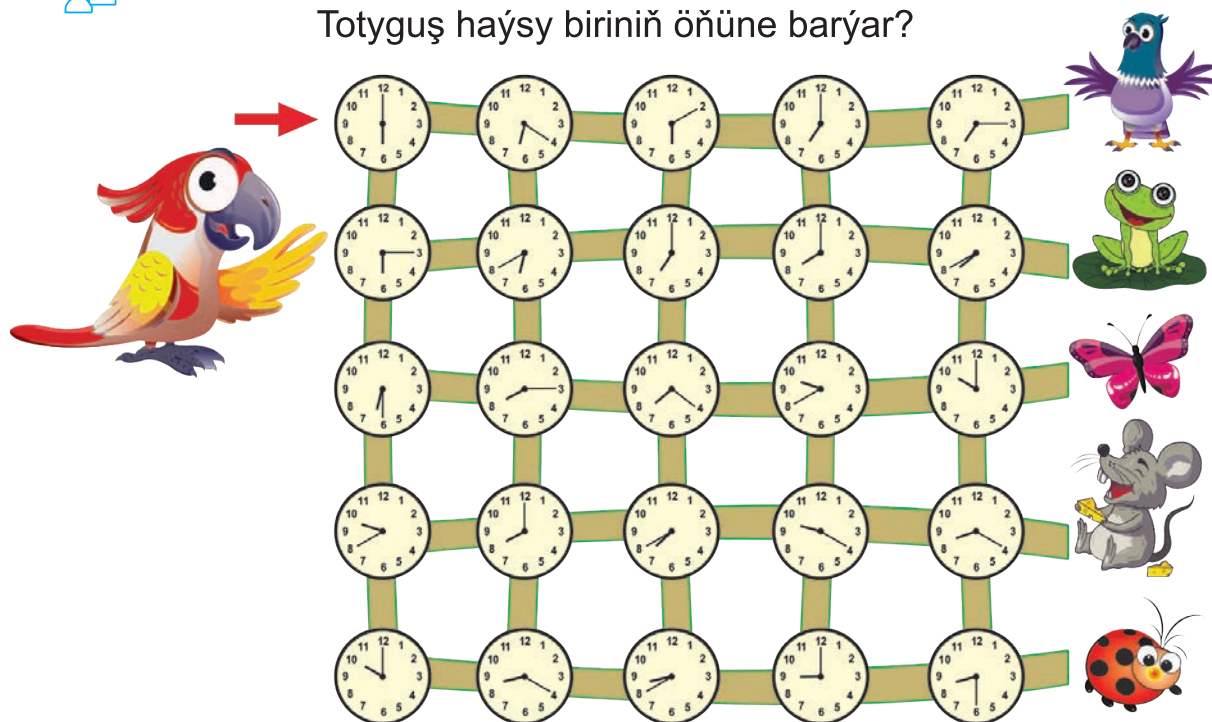
Eger her dört ýylda fewral aýy 29 günden ybarat bolsa, şu ýylda näçe gün bolýar?

Ýanwar	Fewral	Mart	Aprel	Maý	Iýun
31 gün	28/29 gün	31 gün	30 gün	31 gün	30 gün
Iýul	Awgust	Sentýabr	Oktýabr	Noýabr	Dekabr
31 gün	31 gün	30 gün	31 gün	30 gün	31 gün

5.  Sagatlar logiki yzygiderlikde berlen. 7-nji sagat haýsy wagty görkezmeli?



6.  Wagtlar aralygy 20 minut dowam edýän ugur boýunça ýöreyäris. Totyguş haýsy biriniň önüne barýar?



7.  Raýhana enesiniň öýünde 15-nji iýuldan 12-nji awgusta çenli galdy. Raýhana enesi bilen näçe gün galdy?

6-njy bap
6-njy ders

Wagt ölçeg birlikleri

1.  Aý atlaryny suratlar bilen uýgunlaşdyryp aýdýarys.



2.  Lukmançylyk ylymyň akyldary Abu Ali ibn Sina 9-nji asyrda ýaşan. Bu näçenji ýyllara dogry gelýär?

1 asyr 100 ýyla deň.

48 hepde = ? kun



36 aý = ? ýyl

500 ýyl = ? asyr

91 gün = ? hepde

72 h = ? d

3.  Hasaplaýarys.

2 ýyl 65 gün + 5 ýyl 256 gün

7 aý 18 gün + 5 aý 12 gün

8 aý + 43 ýyl 2 aý

12 min 45 s + 25 min 15 s

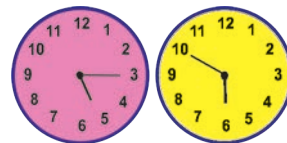
8 asyr 50 ýyl + 1 asyr 40 ýyl

11 ýyl 12 d + 48 aý 18 d

6 h 42 min + 17 h 18 min

59 min + 36 s

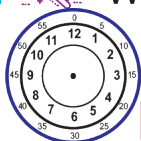
4.  Röwşen we Gahryman her günü agşam badminton oýnaýarlar. Olaryň oýun wagty näçä çenli dowam edýändigini aýdyp bilersiňizmi?



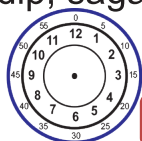
5.  Boş öýjükleri doldurýarys. Awtobus näçe wagtda menzile ýetip barýar?



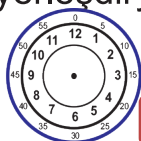
6.  Wagta seredip, sagat dillerini ýerleşdirýäris.



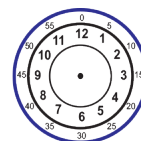
2:35



15:30



8:30



22:45

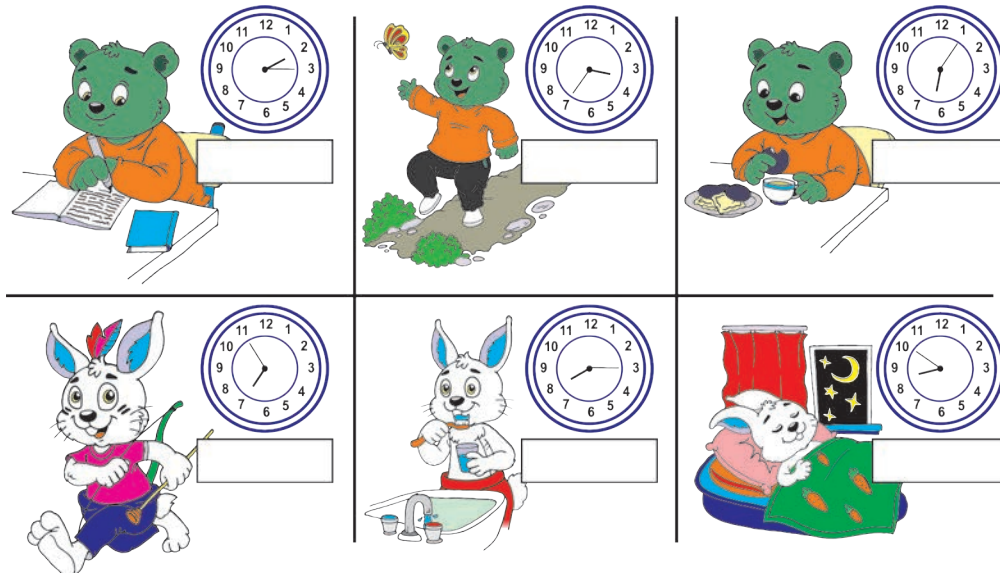
7. Deňeşdiräris.

5 asyr		50 ýyl	4 d		98 h	12 aý		ýarymý ýyl
500 ýyl		7 asyr	6 h		300 min	100 h		9 d
5 ýyl		60 aý	70 min		2 h	24 h		1 hepde

6-njy bap 7-nji ders

Wagt ölçeg birlikleri

1. Gün tertibini görkezýän wagtlary ýazýarys.



2. Ýusup sagdyn bolmak üçin ylgaýar. Öýünden 14:20 çykdy. Ylgamak üçin 2 sagat 15 minut sarplady. Ýusup öýüne sagat näçede dolanyp geldi?

3. Haýsy wagtlar ýetişmän dur? Tapýarys.



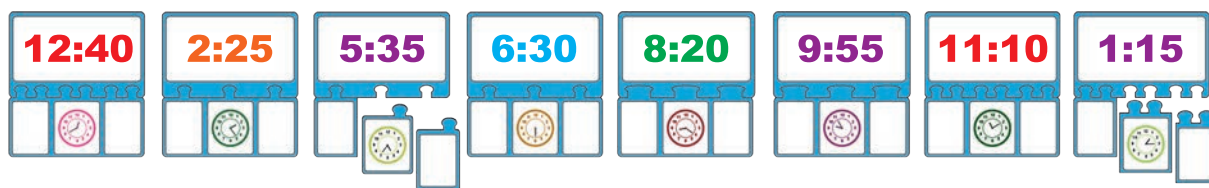
4. Gabatlyklary tapýarys we belleýäris.

15 minut kem 11	10:45	6:45	20 minut kem 10
10-dan 30 minut geçdi	20:15	9:40	15-den 10 minut geçdi
10 minut kem 8	10:30	8:15	6-dan 45 minut geçdi
20-den 15 minut geçdi	7:50	15:10	8-den 15 minut geçdi

5.  Kinoteatrda sagat 10:00 dan boshlap «Kosmosa sy'ahat» filmi bir günde 4 gezek tomaşa edilyär. Filmiň dowamlylygy 1 sagat 40 minut we dynç alyş aralygy 20 minutdan ybarat.
- 1-nji we 3-nji seanslar günüň haýsy bölegine dogry gelyär?
 - 4-nji seans sagat näçede gutaryar?
 - Dynç alyşlaryň umumy wagty näçe?

6.  Berlen wagtlary nusga esasynda aýdýarys.

4 den 45 minut geçdi $\leftarrow 4:45 \rightarrow$ 15 minut kem 5



7.  Deňlik ýerlikli bolmagy üçin laýyk gelyän sanlary ýazýarys.

4 minut = ____ sekunt

10 minut = ____ sekunt

12 minut = ____ sekunt

12 hepde = ____ gün

7 asyr = ____ ýyl

96 sagat = ____ gije-gündiz

27 aý = ____ ýyl ____ aý

120 aý = ____ ýyl

8. Hasaplaýarys we deňeşdirýäris.

2 h 15 min + 4 h 48 min 3 h 24 min + 2 h 39 min

15 aý 48 d + 9 aý 2 d 2 ýyl 3 aý + 9 aý

17 min 57 s + 43 min 2 s 21 min 36 s + 39 min 47 s

6-njy bap
8-nji ders

Rim sifrlari

1.

Rim sifrlari

V 5 bäs
X 10 on
L 50 elli
C 100 yüz
D 500 bäs yüz
M 1000 mün
I 1 bir

Bu sifler **rim sifrlari** diylär.

Kiçi rim sifri uly sifrdan sagda ýazylsa, olar goşulýar:
 $VI = 5 + 1 = 6$, $CXV = 100 + 10 + 5 = 115$

Kiçi sifr uly sifrdan çepde ýazylsa, aýyrylýar: $IV = 5 - 1 = 4$
 $IX = 10 - 1 = 9$, $XC = 100 - 10 = 90$



400 40 4
CDXLIV
444

Sanlary emele getirmekde rim sifrlarini 3 gezekden artyk yzygider ýazmak mümkin däl.



2.

Sanlary okaýarys we ýazýarys.

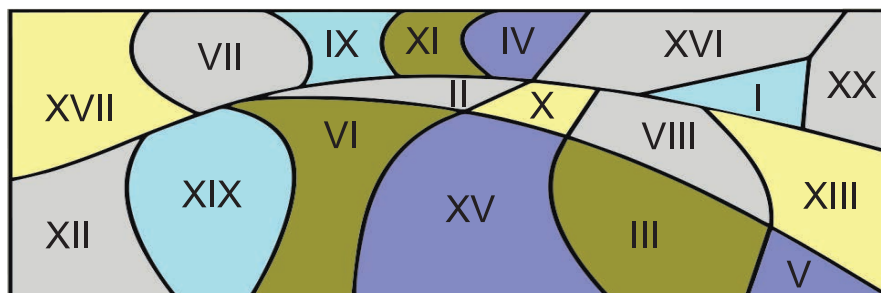
1	
	II
3	
	IV
5	
	VI
7	
	VIII
9	
	X

	XI
12	
	XIII
14	
	XV
16	
	XVII
18	
	XIX
20	

30	
	XL
50	
	LX
70	
	LXXX
90	
	C
500	
	M

3.

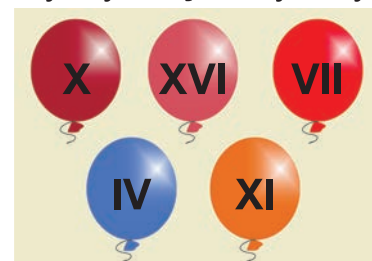
Düşürliپ galdyrylan sanlary kesgitleýäris.



4.  Sanlar hataryny dowam etdirýaris we ýazýarys.



5.  Farhat ýediden uly, on ikiden kiçi bolan sifrler ýazylyan şarlary aldy.
- Farhat haýsy sifrleri aldy?
 - Haýsy sifrdäki şarlar galdy?
 - Galan şarlarda berlen sifrleriň jemi we köpeltmek hasyly näçe deň?



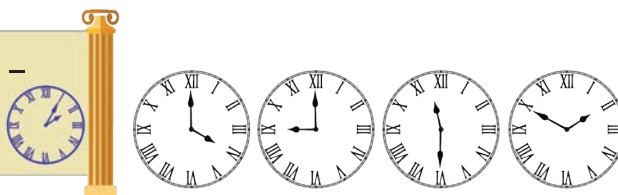
6.  Maşgala agzalarymyzyň doglan senelerini rim sifrlinde ýazýarys.

6-njy bab
9-njy ders

Rim sifrleri

1.  Sagatlarda aňladylan wagtlary anyklaýarys.

Rim sifrlerinden wagt birlikleri – asyr, aý we sagady kesgitlemek üçin peýdalanylýar.



2.  Plastilin we çöp-leriň kömeginde 1–20-ä çenli bolan rim sifrlerini ýasaýarys.



3.  Aşakdaky sanlary rim sifrlinde ýazýarys: 34, 76, 125, 467, 871, 1000.

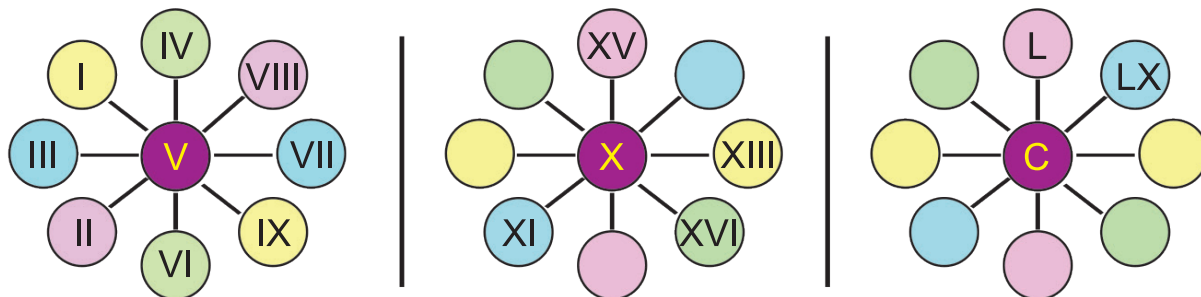
4.  **X V D C M** Berlen rim sifrlerinden näçe sanydan simmetriýa oky geçirmek mümkin?

Haýsy sifrlerden simmetriýa oky geçirilende ýene başga sifri görmek mümkin? Olary burmak we aýlantymak arkaly näme?

5.  Kitap tekjesinde duran kitaplar tertibinde nähili sany düşüp galan?



6.  Tegeleklerde gizlenen sanlary kesgitleýäris.



7.  Sirkulyň kömeginde radiusy 2 cm bolan ululykdaky sagat modelini çyzyp, onda aşakdaky wagtlary rim sifrlerde belleýäris:
2:30; 16:05; 20:50; 7:15

6-njy bap
10-njy ders

STEM ýumuş

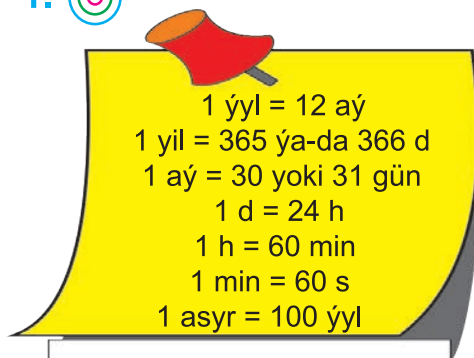
Özbaşdak görnüşde günü wagtlara paýlamak we ýazmak, günortanlykdan öňki we günortanlykdan soňky wagty sagatlarda hasaplamak. Wagty meýilleşdirmek (gün tertibini düzmek we sagatlarda görkezmek).



6-njy bap
11-nji ders

Ululyklaryň arasyndaky gatnaşyklar

1. 



Uzynlyk ölçeg birlikleri
1 km = 1000 m
1 m = 10 dm
1 dm = 10 cm
1 cm = 10 mm

Massa ölçeg birlikleri
1 t = 1000 kg
1 t = 10 q
1 q = 100 kg
1 kg = 1000 g



2.  Berlen matadan näçe sany köýnek tikmek mümkin? Artyp galan matadan bir sany köýnek tikmek üçin ýene näçe mata gerek?

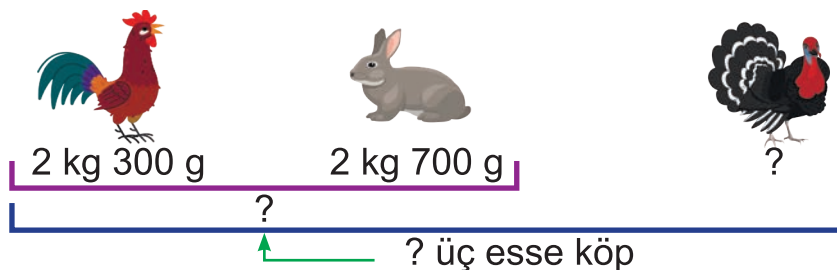
3 m	125 m	Galdy	Ýetmeýär
1 sany köýnek	? sany köýnek	? m	? m

3.  Welosportçy Fergana şäherinden ýola çykyp, 2 sagat dowamynda hereketlendi. Soň ol ýol görkezijä duş geldi.



Welosportçy şu tizlikde hereketlenende, ýol görkezijiden Kokan säherine ýetýänçe näçe sagat wagt sarplayar? Ol näçe wagtda ähli ýoly basyp geçer?

4.  Hindi towugynyň massasy näçä?



5.  Gije-gündizde aňladýarys. Ýyllarda aňladýarys.
- 48 sagat = d 36 aý = ýyl
- 96 sagat = d 84 aý = ýyl
- 4 hepde = d 144 aý = ýyl
- 7 hepde = d 240 aý = ýyl

6.  Özümiziň agyrlygymyz, boýumyz we doglan günümüzizi ýazýarys. Munda haýsy ölçeg birliklerinden peýdalanýarys?

7. 🏠 Kalendar bo'yunça soraglarga jogap yazyrys.

- Şerbek mart aýynyň birinji anna güni elektrik togy üçin töleg tölemeli. Bu işi mart aýynyň haýsy wagtynda amala aşyrar?
- Şerbek çaklan gününden üç gün geçenden soň tölegi amala aşyrdy. Ol hasabyny haçan doldurdy?
- Mart aýynyň soňky düşenbesi haýsy sene?
- 29-njy mart hepdäniň haýsy günü? 21-nji mart haýsy?
- Mart aýynda näçe çarşenbe bar?

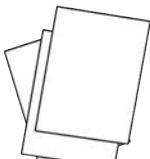
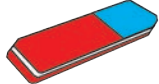
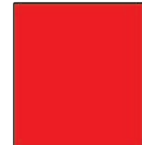
Mart						
D	S	Ç	P	A	Ş	Ye
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

6-njy bap 12-nji ders

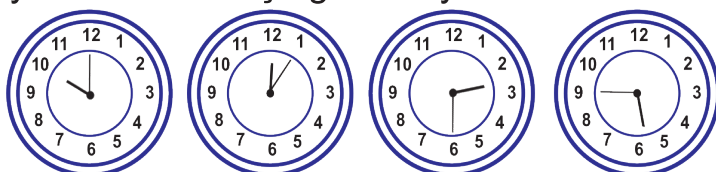
Ululyklaryň arasyndaky gatnaşyklar

1. 🧑 1000 soma okuw gurallarynyň her birinden näçe sanydan almak mümkin?

Haýsysynda näçe som artyp galar?

					
500 som	100 som	250 som	400 som	700 som	150 som

2. 💡 Sagat dilleri 10:00 görkezýär. Sagat 12:05, 14:30, 17:45 bolýança sagadyň minut dili näçe gezek aýlanar?



3. 🧠 Sekuntlarda aňladýarys.

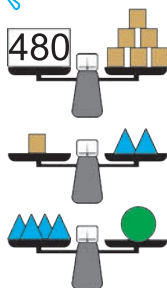
1 min 45 s
5 min 59 s

3 min 18 s
7 min 26 s

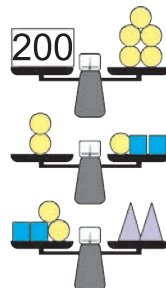
8 min 5 s
9 min 30 s

10 min 39 s
12 min 48 s

4. 🎯 Her bir şekiliň agyrlygy näçe?



■	=	?
▲	=	?
●	=	?



●	=	?
■	=	?
▲	=	?

5. 🗨️ Dogry dörtburçlyk şekilindäki ekin meýdanynyň bir tarapy 350 m. Ekin meýdany uzynlygy 5 metrden bolan, 180 sany serhet (zabor) bilen doly gurşaldy. Bu meýdanyň ikinji tarapy uzynlygyny we perimetrini tapýarys.

6.  Her bir banka üçin 15 stakan suw sygýar. Çaklap aýdýarys. Bankalar dolmagy üçin ýene näçe stakandan suw gerek?



Bankalar dolmagy üçin jemi näçe stakan suw gerek?

7.  Sosna agajy tozgadan näçe santimetr uzyn?



☐ ? 9 esse uzyn

☐ ? 5 esse uzyn

20 cm

6-njy bap
13-nji ders

Ululyklaryň arasyndaky gatnaşyklar

1.  Howa temperaturasy diýende nämäni düşüňärsiňiz?

Günň yssy ýa-da sowuk bolmagyna howa temperaturasy diýilýär.

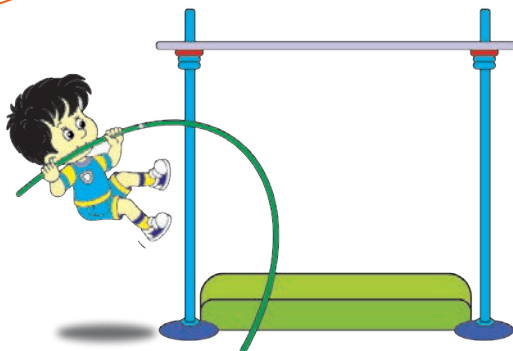
Temperatura **termometriň** kömeginde ölçenilýär.



Ýene nämeler termometriň kömeginde ölçenilýär?

Ýurdumyzda ýaz pasylynda howa temperaturasy 30–35 gradus yssy bolýar. Çöl sebitlerinde bolsa bu döwürde howa temperaturasy 50–60 gradus yssy bolýar. Çölüň ýazky howasy başga sebitlere garanda näçe gradus yssyrak?

2.  Sportçy ikinji synanyşykda näçe belentlige bökdi?



5 m
88 cm

?, 29 cm
uzyn

1-nji synanyşyk

2-nji synanyşyk

3. Hasaplayars.

$$\begin{aligned} 2 \text{ kg } 300 \text{ g} + 3 \text{ kg } 200 \text{ g} \\ 1 \text{ q } 60 \text{ kg} + 5 \text{ q } 40 \text{ kg} \\ 1 \text{ t } 3 \text{ kg} - 7 \text{ q} \end{aligned}$$

$$\begin{aligned} 5 \text{ kg } 400 + 4 \text{ kg } 600 \text{ g} \\ 28 \text{ q } 200 \text{ kg} + 21 \text{ q } 800 \text{ kg} \\ 1 \text{ t } 26 \text{ kg} - 326 \text{ kg} \end{aligned}$$

4. Uçar Daşkentden Buhara shaherine 45 minutda yetip baran bolsa, Nukus shaherine nache wagtda yetip barýar?



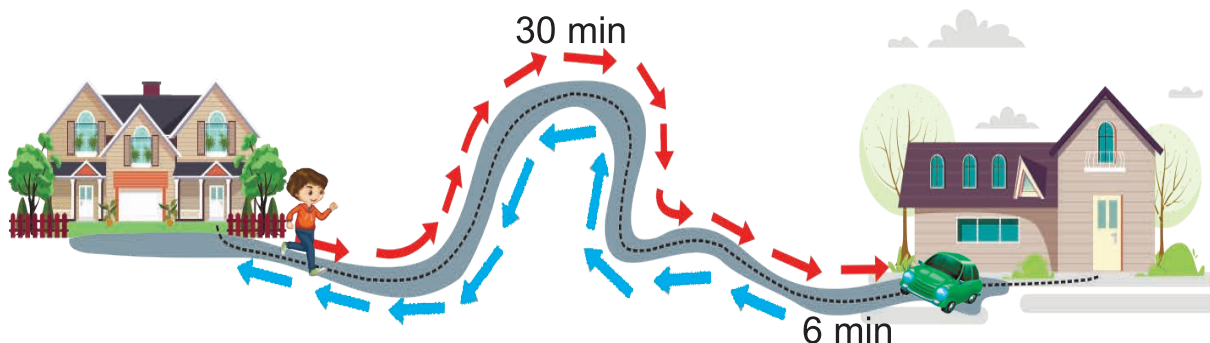
Daşkent – Buhara 450 km

Daşkent – Nukus = 900 km

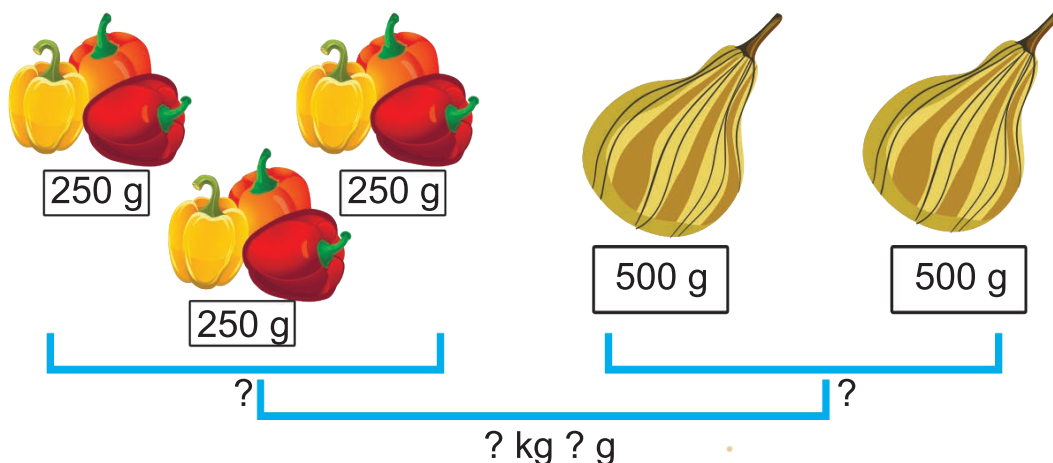
Nöküs we Buhara shaherleriniñ arasyndaky aralyk aratapawudy nache kilometr?

5. Saida enesiniñkä pyýada we awtoulagda baryp gelmäge wagt sarplady. Ol gaýdanda baryan wagta görä nache esse az wagt sarplady?

Saida enesiniñ öýüne baryança nache gezek burulan?



6. Kädi we bolgar burçynyñ bilelikdäki massasy nache?



7-nji bap

AÑLATMALAR

$$25 \times 3 + 180$$

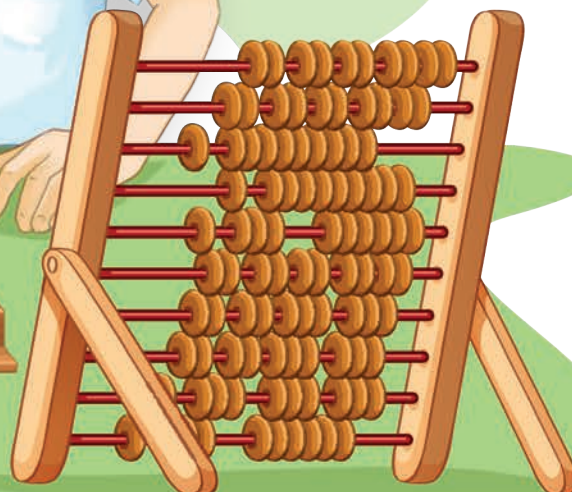
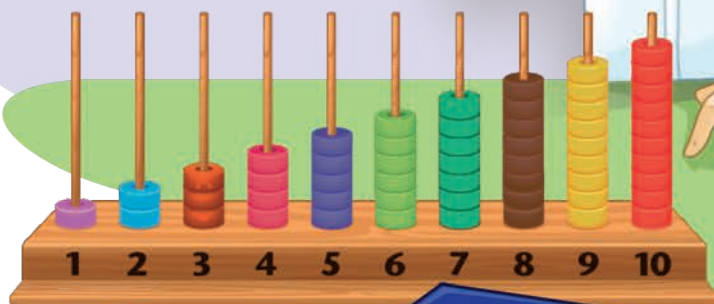
$$763 \div 7 = 102$$

$$+ ? \quad 801 - 49 =$$

?

=

1



**7-nji bab.
1-nji ders**

Amallary ýerine ýetirmek tertibi

1.  Nähili arifmetik amallary bilýäris?

$$561 + 254$$

$$636 - 124$$

$$245 \times 2$$

$$749 \div 7$$

Aňlatmada näçe sany arifmetik amal gatnaşdy?

$$215 + 502 - 685$$

$$102 \times 8 \div 4$$

Ýene şeýle aňlatmalar düzüp bilýärsiňizmi?

2.  Aňlatmalaryň bahalaryny tapýarys. Aňlatmalarda nähili amallar gatnaşan?

$$256 + 157$$

$$427 + 100 + 243$$

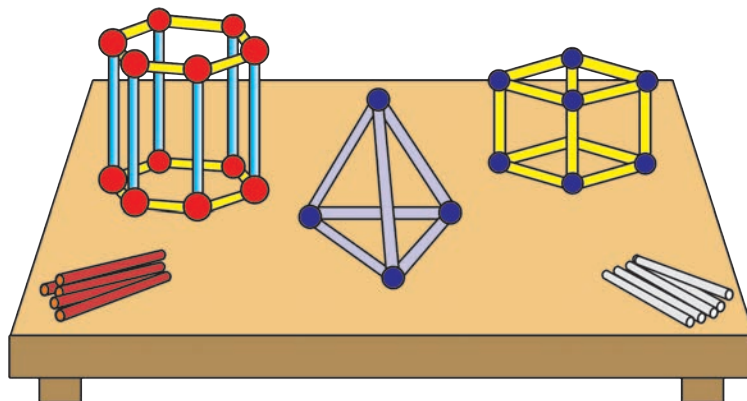
$$300 + 420 + 133 + 245$$

$$214 \times 3$$

$$114 \times 3 \times 2$$

$$231 \times 2 \times 1 \times 2$$

3.  Sanalýan çöpler we plastilin kömeginde ýasaýarys. 150 sany taýajyk bolsa, ikinji şekilden näçe sany ýasamak mümkin? Üçünji şekilden näçe?



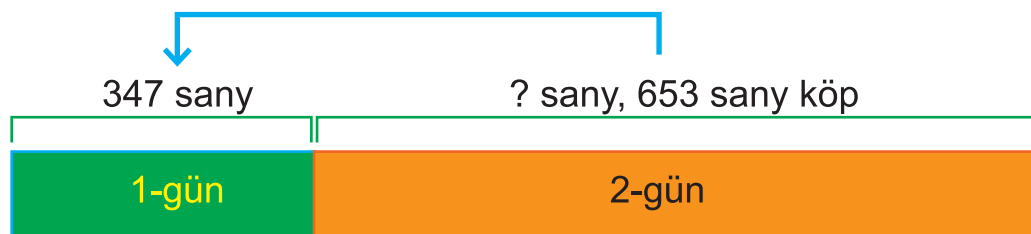
4.  Boş öýjüklere laýyk gelýän sanlary tapýarys.

$$420 + 290 + 158 = 420 + \boxed{} + 290 \quad 816 - 419 - 176 = 569 + 181 - \boxed{}$$

$$110 \times 4 \times 2 = 110 \times \boxed{}$$

$$728 \div 8 \times \boxed{} = 900 \div 9 \times 0$$

5.  Tegigat muzeyini gurmak üçin 2-nji günü näçe sany eksponat getirilen?



6.  Aňlatmalaryň bahalaryny tapýarys.

$$613 - 420$$

$$860 - 410 - 342$$

$$904 - 311 - 542 - 142$$

$$414 \div 2$$

$$726 \div 3 \div 2$$

$$968 \div 1 \div 4 \div 2$$

7-nji bap.
2-nji ders

Amallary ýerine ýetirmek tertibi

1.  Añlatmadaky amallar tertibini aýdýarys we bahasyny tapýarys.

$$\begin{array}{l} 452 + 124 \times 3 \\ 351 - 632 \div 2 \end{array}$$

$$\begin{array}{l} 275 \div 5 + 156 \times 6 \\ 758 + 556 \div 4 - 318 \end{array}$$

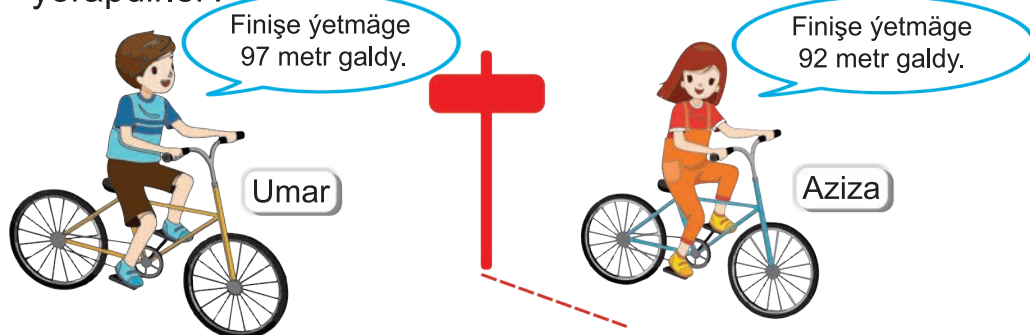
2.  Sport marafony gatnaşyjylary hakyndaky maglumat esasynda aňlatmalar düzýäris we çözüäris.

	Ýanwar	Fewral	Mart
Ýaşlar	?	340	227
Ulular	150	?	773
Jemi	280	900	?

3.  Hasaplaýarys.

$$738 \div 6 \times 7 \quad 3 \times 219 + 343 \quad 720 \div 6 + 968 \div 8 \quad 246 \times 4 - 264 \times 2$$

4.  Jemi ýol uzunlygy 1000 metr bolsa, Umar we Aziza näçe metrden ýöräpdirler?



5.  Bäs sany stakana kofe, kakao ýa-da süýt salnan. Kofe kakaodan iki esse köp. Eger, üç sany stakana bir hil içimlik salynmadyk bolsa, haýsy stakanda kakao bar?



6.  Jemi tapýarys.

$$\begin{array}{r} 379 \\ 217 \\ + 199 \\ \hline \end{array} \quad \begin{array}{r} 374 \\ 236 \\ + 262 \\ \hline \end{array} \quad \begin{array}{r} 226 \\ 287 \\ + 298 \\ \hline \end{array} \quad \begin{array}{r} 249 \\ 157 \\ + 121 \\ \hline \end{array}$$

7.  12 sany operasiýa otagy bar. Her bir operasiýa otagyna 5 sany lukman we 7 sany şepegat uýasy gerek. Ähli operasiýa otagy üçin jemi näçe sany lukmançylyk işgäri gerek bolar?

7-nji bap.
3-nji ders

Amallary ýerine ýetirmek tertibi

1.  Ýaýly aňlatmalarda amallaryň tertibi nähili ýerine ýetirilýär? Aňlatmalaryň bahasyny deňeşdirýäris.

$$200 + (60 \times 3) \square (200 + 60) \times 3 \quad (400 - 0) \times 2 \square 400 - (0 \times 2)$$

2.  Amallary tertip bilen ýerine ýetirýäris.

$$\begin{array}{cc} 457 \triangle + 319 \triangle - 578 \triangle + 6 & 1000 \triangle - 560 \triangle - 187 \triangle \times 3 \\ 267 \triangle + 513 \triangle - 654 \triangle \div 3 & 56 \triangle \times 10 \triangle \div 7 \triangle \times 8 \end{array}$$

3.  Näbellileri tapýarys.

$$\begin{array}{r} 584 \\ - 48 \triangle \\ \hline 95 \end{array}$$

$$\begin{array}{r} 438 \\ - 26 \triangle \\ \hline \square 69 \end{array}$$

$$\begin{array}{r} 918 \\ - 80 \triangle \\ \hline \square 17 \end{array}$$

$$\begin{array}{r} 631 \\ - 2 \triangle \triangle \\ \hline 3 \square 8 \end{array}$$

4.  Suratlaryň aratapawudy nämäde? Şekiller nähili hereketde? Haýsy birinde geometrik şekil köp?



5.  5 sany 1 sany we arifmetik amallardan peýdalanyň 100 sanyny emele getirip bilýärsiňizmi?

6.  Her biri 23 sany soragly 4 sany wiktorina (soragly oýun) geçirildi. Her bir soraga jogap bermek üçin 2 minut wagt berildi. Wiktorinalary geçirmek üçin jemi näçe wagt sarp edilen?

7.  Boş öýjüklere laýyk gelyän sanlary tapýarys.

$$\square - 569 + 259 = 698 - \square + 259 \quad 968 - \square \times 968 > 900 \times 1 \div \square$$

7-nji bap.
4-nji ders

Amallary ýerine ýetirmek tertibi

1.  Aňlatmalaryň bahalaryny deňeşdirýäris we düşündirýäris.

$$128 + 205 \times 3$$

$$748 \div 4 - 3$$

$$726 \div 6 + 313 \times 2 - 541$$

$$(128 + 205) \times 3$$

$$748 \div (4 - 3)$$

$$726 \div 6 + (313 \times 2 - 541)$$

2.  Boş öýjüklere laýyk gelýän sanlary tapýarys.

$$241 + 356 + \square = 941$$

$$1000 = \square - 492 \div 4$$

$$505 = \square \div 4 + 404$$

3.  Bu şekil bir gezek doly aýlanyp çyksa, sorag belgisiniň ýerindäki üçburçlyk nähili reňkde bolýar?



4.  100 litrli gaby bedre we ýelim gapdan peýdalanyp doldurýarys. Şonda gaplardan näçe gezek peýdalanýarys? Siz näçenji synnyňsykda doldurdyňyz?



5 L



10 L



100 L

5.  Näbellileri tapýarys.

$$\begin{array}{r} 2\blacktriangle \\ \times 3 \\ \hline 732 \end{array}$$

$$\begin{array}{r} 26\blacktriangle \\ - 136 \\ \hline 1\blacksquare3 \end{array}$$

$$\begin{array}{r} 20\blacktriangle \\ - 184 \\ \hline \blacksquare6 \end{array}$$

$$\begin{array}{r} \blacktriangle\blacktriangle\blacktriangle \\ - \quad 7 \\ \hline 4\blacksquare7 \end{array}$$

6.  Nusga esasynda hasaplaýarys.

Nusga: $341 + 526 - 478 = 867 - 478 = 389$.

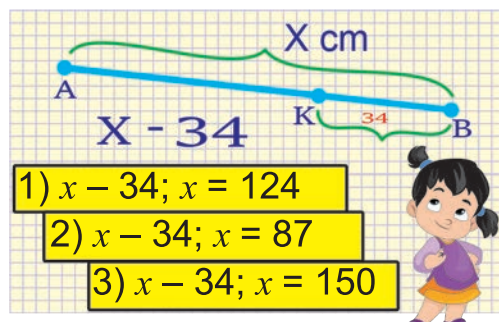
	$+ 526$	$- 478$
341		
296		
415		

	$- 288$	$+ 321$
934		
295		
861		

142

1. Aňlatmalary okaýarys.

2.

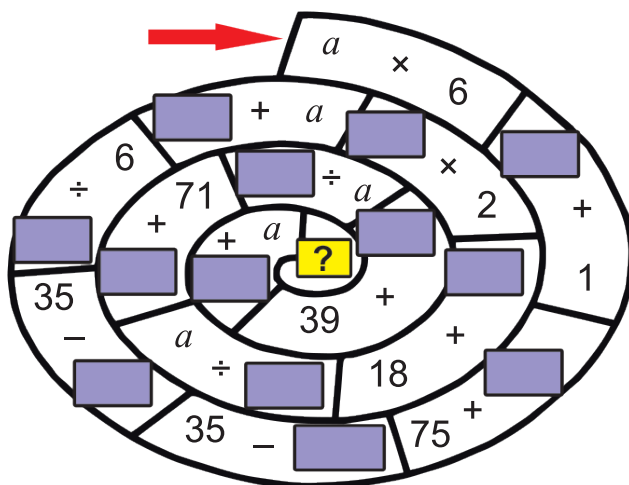


$d = 5$ bolsa, $18 + d = ? \rightarrow$ harply aňlatma
 $18 + 5 = 23 \rightarrow$ sanly aňlatma

3. Añlatmalaryň bahasyny tapýarys. Munda $a = 9$, $b = 63$, $c = 59$, $d =$

$$\begin{array}{cccc} 315 - a & 821 + c & 423 \div a & 345 + b \\ 937 - b & 293 \times d & 134 + c & 78 \div d \end{array}$$

4.  Eger $a = 4$ bolsa, näbelli sany kesgitleýäris.



5.  Jedweli doldurýarys.

d	24	36	114	72	84	102
$d \times 6$						
$d \div 6$						

6.  $x = 8, y = 7$ bolsa, aňlatmalaryň bahasyny tapýarys.

$x + 123 + 89$	$700 \div y - 59$	$1000 - 48 + y$
$248 \div x + 88$	$159 + x$	$56 \times 5 \div y$

7-nji bap.
6-njy ders

Harply aňlatmalar

1.  Harply aňlatmanyň bahasy nähili tapylan?

$$\begin{aligned} a + b &= ? \\ a &= 627 \quad b = 159 \\ 627 + 159 &= ? \end{aligned}$$

Eger $a = 12$, $d = 45$, $c = 100$, $m = 77$ bolsa, harply aňlatmanyň jemini tapýarys.

$$\begin{aligned} a + b &= ? & c - m &= ? \\ c - a &= ? & m - d &= ? \end{aligned}$$

2.  Eger $k = 70$, $d = 7$ bolsa, aňlatmalaryň bahasyny tapýarys we deňeşdirýäris.

$$\begin{aligned} 20 + d + k & \square 83 - k - d & k + d - 58 & \square 65 + k - d \\ k - 30 + d & \square k + 48 \times d \end{aligned}$$

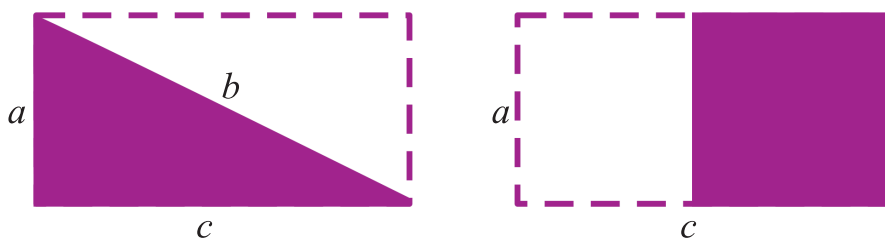
3.  Boş öýjükleri doldurýarys. $k = 125$, $m = 5$.

$$\begin{aligned} & \boxed{k} + \boxed{m} & \boxed{k} - \boxed{m} & \boxed{k} \times \boxed{m} & \boxed{k} \div \boxed{m} & \boxed{k} \div \boxed{m} + \boxed{k} & \boxed{k} \times \boxed{m} - \boxed{k} \\ & \square & \square & \square & \square & \square & \square \end{aligned}$$

4.  a , b we c -a laýyk gelýän sanlary kesgitleýäris.

30	-	b	=	a
+		+		+
c	-	a	=	150
=		=		=
190	-	30	=	c

5.  Eger $a = 6$ cm, $b = 10$ cm, $c = 8$ cm bolsa, şekilleriň perimetri nämä deň?



6.  Aňlatmalaryň bahasyny tapyp, jedweli doldurýarys.

a	6	1	2	3	4	5
$150 \div a$	●	●	●	●	●	●
$a \times 150$	●	●	●	●	●	●

7-nji bab.
7-nji ders

Deñlemeler

1.  Näbelli goşuluýy nähili tapylan?

$x + 560 = 700$

näbelli x goşuluýy 560 jem 700

$$x + 560 = 700$$

$$x = 700 - 560$$

$$x = 140$$

$$140 + 560 = 700$$

$$700 = 700$$



$$x + 480 = 940$$

$$x + 540 = 1000$$

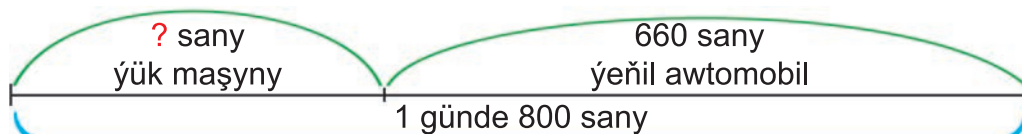
$$628 + x = 846$$

$$317 + x = 788$$

$$477 + x = 600$$

$$x + 605 = 900$$

2.  Ýangyç (benzin) guýulýan stansiýasynda näçe sany ýük maşynyna ýangyç guýuldy?



3.  Goşulyjlary deñleme düzüp tapýarys.

Goşuluýy	goşuluýy	jem	Goşuluýy	goşuluýy	jem
?	803	947	521	?	602

4.  Bir sany çöpüň ýerini şeýle üýtgediň welin, netijede deňlik dogry bolsun.

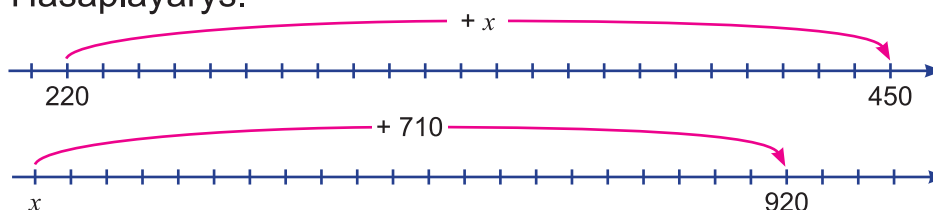
$$X - IV = IV$$

$$XII - III = XI$$

$$V + VI = IX$$

5.  Dükana 150 sany çüýşede erik şerbeti, erik şerbetiniň ýarymyna çenli alma şerbeti, alma şerbetinden 3 esse köp çüýşede şepdaly şerbeti getirildi. Dükana jemi näçe çüýşe şerbet getirilen?

6.  Hasaplaýarys.



7.  Deñlemeler düzüp hasaplaýarys:

a) 125 sanyna x sany goşulsa, 614 sany emele gelýär;

b) x sana 389 sany goşulsa, 700 sany emele gelýär;

d) x sany we 544 sanynyň jemi 1000 sanyna deň.

7-nji bab.
8-nji ders

Deñlemeler

1.  Deñlemäniň ýerine ýetirtilişini ýatda saklaýarys.

$x - 240 = 115$

näbelli x "x - 240" tapawut

goşulujy

$$\begin{aligned} x - 240 &= 115 \\ x &= 115 + 240 \\ x &= 355 \\ \hline 355 - 240 &= 115 \\ 115 &= 115 \end{aligned}$$



2.  Deñlemeleri çözüäris.

$$x - 130 = 128$$

$$x - 346 = 614$$

$$x - 522 = 441$$

$$x - 297 = 364$$

$$x - 185 = 784$$

$$x - 428 = 572$$

3.  Milli zergärçilik sergisinde näçe sany küýzegärçilik goşlary görkezilen?

Zergärlik goşlary	Küýzegärçilik goşlary	Keşdeçilik goşlary
350 sany	?	346 sany
		
Jemi 1000 sany		

4.  Soliha göni çzyykda 5 sany gyzył nokat belledi. Ol gyzył nokatlaryň arasyndaky her bir boşluga gök nokat, soňra gyzył we gök nokatlaryň arasyndaky her bir boşluga ýaşyl nokat goýdy. Soliha jemi näçe nokat goýdy? Dürli reňdäki nokatlaryň yzygiderligini depderimizde suratlandyrýarys.

5.  Hasaplaýarys.

Bir ýyl 12 aý, ýarym ýyl näçe aýa deň? Çäryek ýyl näçe?
 Aprel aýynyň ýarymy, üçden bir bolegi näçe gün?
 Bir ýyl näçe hepde? Bir hepde näçe sagat bar?

6.  Täze gurulan köp gatly binada 4 sany girelgesi bar. Jemi 152 sany jaýdan ybarat. Eger her bir gatda 8 sanydan jaý bolsa, bina näçe gatly?

7-nji bap.
9-njy ders

Deñlemeler

1.  Deñleme nähili ýerine ýetirilen?

690 - x = 230

690 - kemeliji
x - näbelli
230 - "690 - x" tapawut

$$\begin{aligned} 690 - x &= 230 \\ x &= 690 - 230 \\ x &= 460 \end{aligned}$$

$$\begin{aligned} 690 - 460 &= 230 \\ 230 &= 230 \end{aligned}$$



$$\begin{aligned} 560 - x &= 340 \\ 426 - x &= 241 \end{aligned}$$

$$\begin{aligned} 980 - x &= 400 \\ 1000 - x &= 806 \end{aligned}$$

$$\begin{aligned} 700 - x &= 220 \\ 383 - x &= 263 \end{aligned}$$

2.  Amallary ýerine ýetirýäris we netijeleri deňeşdirýäris.

86
10

+ ×

55
15

+ ×

130
5

+ ×

270
3

+ ×

3.  Näbelli sanlary kesgitleýäris.

Kemeliji	Kemeldiji	Tapawut	Kemeliji	Kemeldiji	Tapawut
?	565	277	750	?	180

4.  Hasaplaýarys.

 +  = 9

 ×  = 10

 -  = 2

$2 \times \text{Apple} + \text{Lemon} \times 4 - \text{Orange} \div 2$

5.  Mekdep okuwçylarynyň arasynda geçirilen futbol ýaryşynda jemi 320 sany topar gatnaşdy. Eger seçip alyş tapgyryndan geçen toparlar ähli toparlaryň 4 den bir bölegini tutsa, ýaryşyň indiki tapgyrynda näçe sany topar gatnaşar?

6.  Meseläni deñleme düzüp çözüäris. Şüýji taýýarlamak üçin jemi 950 g önüm sarplanýar. Un, sary ýag we şekerin bilelikdäki agramy 830 g-ny tutýan bolsa, sarplanan gaýmagyň agramy näçe?

7-nji bap.
10-njy ders

Deñlemeler

1.  Ýadymyza salýarys.



$$\begin{aligned} x \times 4 &= 140 \\ x &= 140 \div 4 \\ x &= 35 \\ \hline 35 \times 4 &= 140 \\ 140 &= 140 \end{aligned}$$

$x \times 4 = 140$

näbelli (pointing to x) *köpeldiji* (pointing to 4) *Köpeltmek haysly* (pointing to 140)

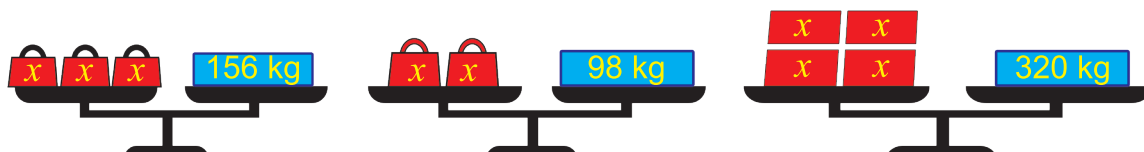
2.  Deñlemeleri çözüäris.

$$\begin{aligned} x \times 9 &= 630 \\ a \times 12 &= 36 \end{aligned}$$

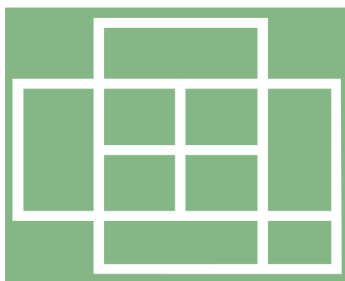
$$\begin{aligned} 6 \times a &= 540 \\ 7 \times y &= 147 \end{aligned}$$

$$\begin{aligned} 10 \times y &= 1000 \\ x \times 19 &= 76 \end{aligned}$$

3.  Näbellileri tapýarys.



4.  Kwadratlaryň sanyny kesgitleýäris.



5.  Mesele laýyk deñlemä düzüäris.

Syýahat üçin üçin 3 sanu awtobusda jemi 135 sany okuwçy Samarkant şäherine bardy. Her bir awtobusda näçe sanydan okuwçy bolan?



6.  Deñlemeleri çözüäris.

$$4 \times a = 484$$

$$12 \times y = 96$$

$$x \times 8 = 168$$

$$7 \times x = 168$$

$$y \times 5 = 350$$

$$16 \times a = 64$$

7-nji bap.
11-nji ders

Deñlemeler

1. Ýada salýarys.

$$\begin{aligned} x \div 9 &= 53 \\ x &= 53 \times 9 \\ x &= 477 \\ 477 \div 9 &= 53 \\ 53 &= 53 \end{aligned}$$

$$x \div 9 = 53$$

Paý
näbelli bölüji

$$\begin{aligned} 64 \div x &= 8 \\ x &= 64 \div 8 \\ x &= 8 \\ 64 \div 8 &= 8 \\ 8 &= 8 \end{aligned}$$

$$64 \div x = 8$$

Paý
bölüniji näbelli

2. Deñlemeleri çözüäris.

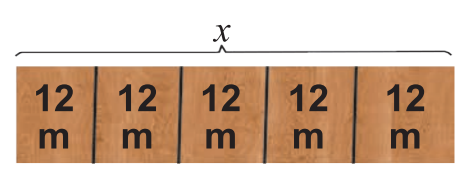
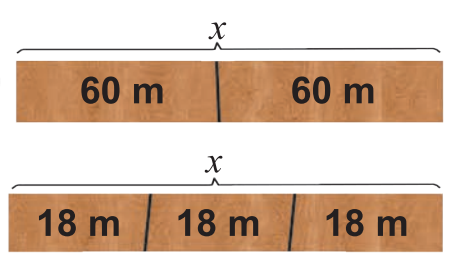
$$y \div 5 = 35$$

$$x \div 14 = 84$$

$$a \div 3 = 60$$

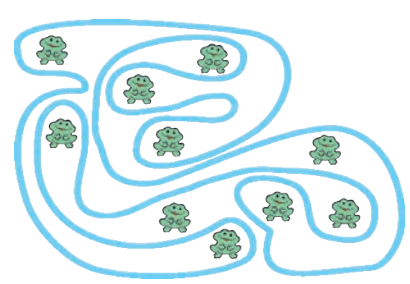
$$x \div 15 = 9$$

3. Her bir tagtanyň umumy uzynlygy näçe deň?



4. Suratda howuz we birnäçe gurbaga görkezilen.

Bu bu gurbagalaryň näçe sanysy howuzda oturypdyr?



5. Ýeňiş kim ilkinji barýar?

Başlamak

$2 \times x = 26$	$88 \div x = 11$	$15 \times x = 45$	$7 \times x = 84$	$90 \div x = 9$
$x = 13$	$x = 18$	$x = 8$	$x = 3$	$x = 6$
$x \div 4 = 9$	$x = 9$	$x = 9$	$x = 12$	$x = 2$
$x = 36$	$42 \div x = 7$	$6 \times x = 54$	$45 \div x = 9$	$66 \div x = 6$
$x = 36$	$x = 160$	$x = 10$	$x = 9$	$x = 11$
$54 \div x = 6$	$x \div 8 = 20$	$9 \times x = 45$	$x \times 5 = 70$	$34 \div x = 17$
$x = 8$	$x = 5$	$x = 8$	$x = 2$	
$x = 9$	$x = 34$	$x = 2$	$x = 14$	$x = 4$
$x \times 12 = 60$	$x \div 7 = 9$	$16 \times x = 32$	$4 \times x = 48$	Ýeňiş
$x = 5$	$x = 63$	$x = 3$	$x = 12$	

6. Näbellileri tapýarys.

$$\begin{array}{r} 323 \\ + 117 \\ \hline \end{array} \quad \begin{array}{r} \boxed{} \\ + 539 \\ \hline \end{array}$$

$$\begin{array}{r} 738 \\ + 125 \\ \hline \end{array} \quad \begin{array}{r} \boxed{} \\ - 119 \\ \hline \end{array}$$

$$\begin{array}{r} 565 \\ + 435 \\ \hline \end{array} \quad \begin{array}{r} \boxed{} \\ - 777 \\ \hline \end{array}$$

7-nji bap.
12-nji ders

Deňlemeler

1.  Bahram bir san pikirlendi. Ony 7-ä köpeldip 25-i goşsa, 900 sany emele gelýär. Bahram haýsy sany pikir edipdir?

2.  Näbelli bölüji nähili tapylan?

$$\begin{array}{|c|c|} \hline 500 \\ \hline x & 100 \\ \hline \end{array}$$

$$900 \div x = 9$$

$$\begin{array}{l} 500 \div x = 100 \\ x = 500 \div 100 \\ x = 5 \\ 500 \div 5 = 100 \\ 100 = 100 \\ 600 \div x = 100 \end{array}$$

$$500 \div x = 100$$

paý
bölüniji
bölüji

$$200 \div x = 2$$

3.  Kitaphana getirilen 900 sany çeper kitap birnäçe sany tekjä 100 sanydan ýerleşdirildi. Tekjeleriň sany näçe sany? Deňleme düzüp, ýazýarys.

4.  Bölüjini tapýarys.

$$\begin{array}{l} 800 \div x = 8 \\ 84 \div x = 14 \end{array}$$

$$\begin{array}{l} 96 \div x = 6 \\ 100 \div x = 1 \end{array}$$

$$\begin{array}{l} 78 \div x = 13 \\ 90 \div x = 10 \end{array}$$

5.  Predmetleriň massasy näçe?

$$\begin{array}{|c|c|} \hline \boxed{} & 400 \text{ g} \\ \hline 100 \text{ g} & \boxed{} \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 100 \text{ g} & \boxed{} \\ \hline \boxed{} & 800 \text{ g} \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 500 \text{ g} & \boxed{} \\ \hline \boxed{} & 350 \text{ g} \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 1000 \text{ g} & \boxed{} \\ \hline \boxed{} & 800 \text{ g} \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 200 \text{ g} & \boxed{} \\ \hline \boxed{} & 150 \text{ g} \\ \hline \end{array}$$

6.  Jemile 12 sany dostuna hat ibermäge karar etdi. Hatlaryň ýarysy 1 sahypaly, galany bolsa 2 sahypaly. Jemile üçin jemi näçe sahypa kagyz gerek bolar?

7.  Deňlemeleri çözüäris.

$$\begin{array}{l} 88 \div x = 11 \\ 200 \div x = 10 \end{array}$$

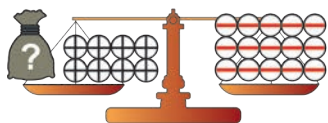
$$\begin{array}{l} 72 \div x = 6 \\ 500 \div y = 5 \end{array}$$

$$\begin{array}{l} 69 \div x = 3 \\ 300 \div x = 100 \end{array}$$

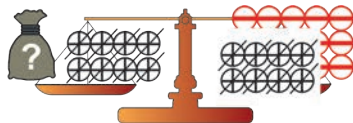
7-nji bab.
13-nji ders

Deñlemeler

1.  Deñlemeleri çözyaris.



$$x + 80 = 150$$



$$x = 150 - 80$$



$$x = 70$$



$$x + 125 = 400$$

$$342 + x = 650$$

$$630 + y = 1000$$

$$1000 + x = 1000$$

2. Deñlemeleri çözyaris.

$$690 - x = 230$$

$$d \div 9 = 53$$

$$595 \div x = 7$$

$$y + 560 = 700$$

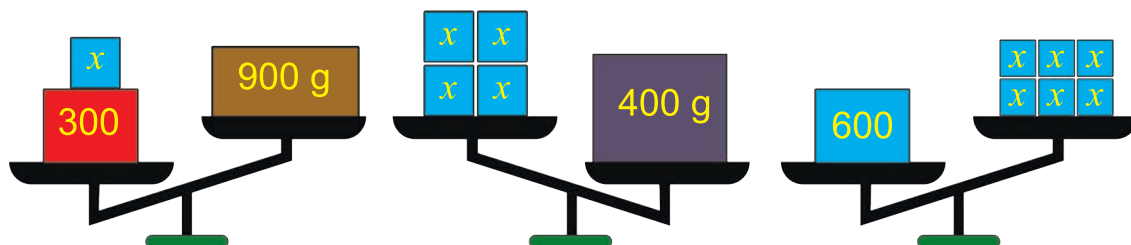
3.  Näbellileri tapýarys.

$$\frac{1}{12} + x = \frac{7}{12}$$

$$\frac{7}{9} - x = \frac{2}{9}$$

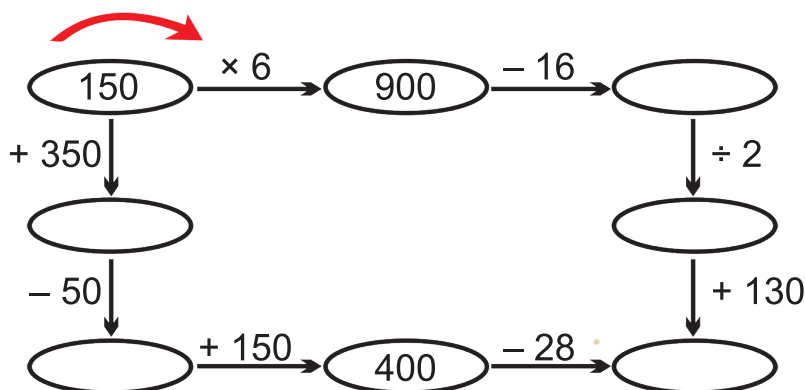
$$\frac{10}{11} - x = \frac{6}{11}$$

4.  Näbelli agyrlyklary tapýarys?



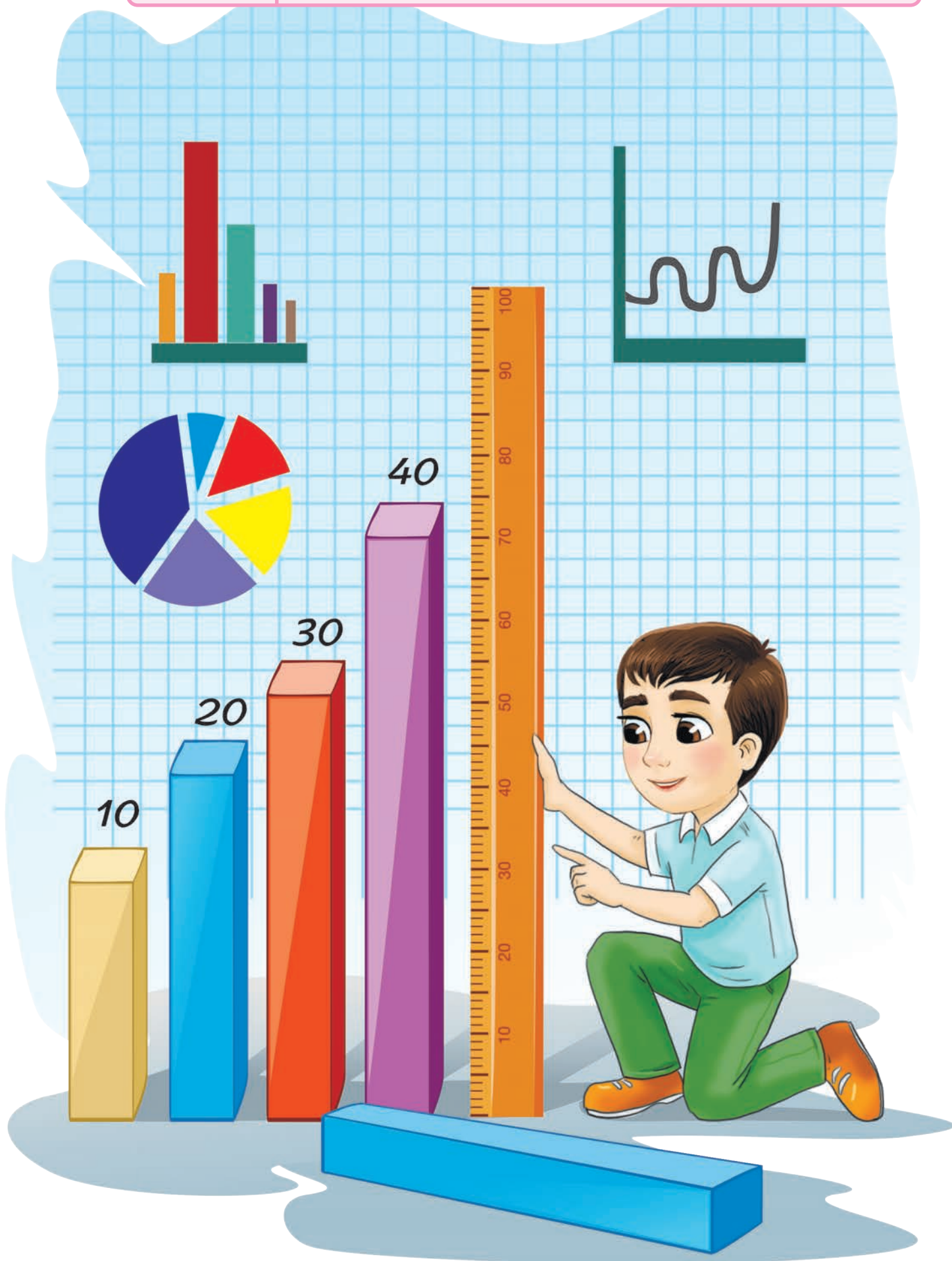
5.  Ammardaky 900 kg tüwi 100 kg-dan birnäçe sany dükanlara iberildi. Eger tüwiler 2 sanydan gapda paýlanan bolsa, her bir gapda näçe kg-dan tüwi bar? Jemi tüwiler näçe sanydan gapda ýerleşen?

6.  Hasaplaýarys.



8-nji bap

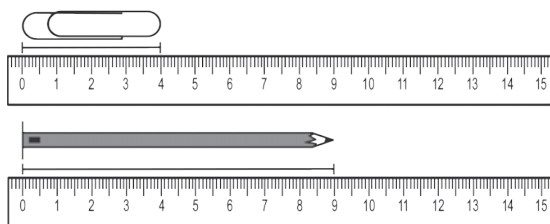
MAGLUMATLAR BILEN IŞLEMEK



8-nji bab.
1-nji ders

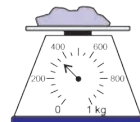
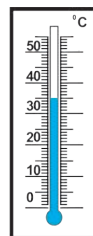
Şkalalar

1.  Zatlaryň uzynlygyny anyklaýarys.

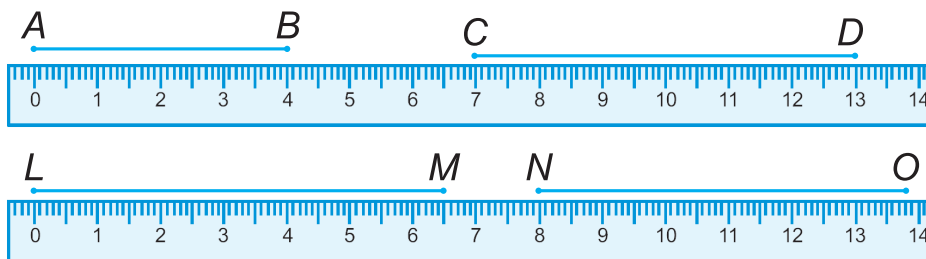


Çyzgyçdaky çyzgyjak we sanlar bilelikde şkalany emele getirýär.

Şeýle şkalalara ýene nirelerde duşansyňyz?

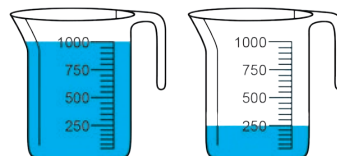


2.  Kesimleriň uzynlygy näçe santimetr? Olary millimetrde aňladýarys.

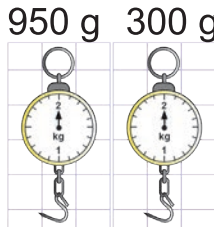
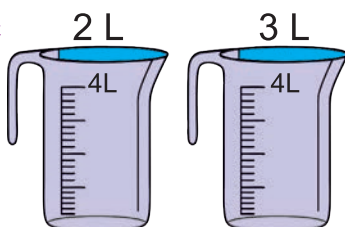


3.  290 g şeker salynan bankanyň massasy 320 g. Salim azrak şeker ulanylandan soň, bankanyň umumy massasy 200 g-nmy tutdy. Gapda galan şekeriniň massasy näçe? Çözülişini şkalanyň kömeginde düşündirýäris.

4.  Şkalalaryna seredip gaplaryň sygymyny tapýarys. Birinji gapdaky suw ikinji gapdaky suwdan näçä köp?

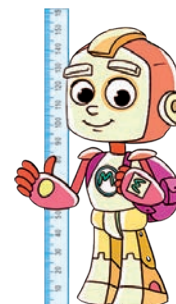
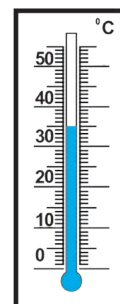


5.  2 L 3 L 4L 950 g 300 g



Gaplar hem-de terezilerde görkezilen ölçegleri belgileýäris.

6.  Ölçeğ enjamlary haýsy sany görkezip dur? Olardan nämeleri ölçemekde peýdalanýarys?

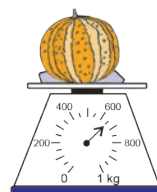
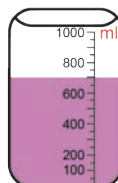


8-nji bap.
2-nji ders

Şkalalar

1.  Her bir enjam bir sany bolmagynyň bahasy nämä deň?

Ölçeýän ululyklaryň bahasyny tapýarys.



2.  Çyzgyç suratyny çekýäris we onda berlen ölçegleri belleýäris.

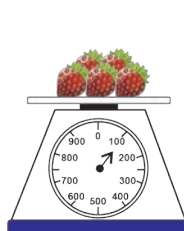
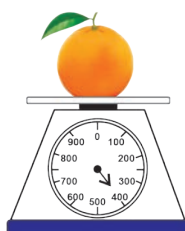
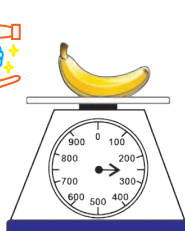
8 cm 3 mm

12 cm

9 cm 5 mm



3. 



4. Ölçenýän miweler näçe gram? Olaryň jemi massasy näçe? Näçe sany ýertudana bir sany apelsiniň massasyna deň?

Näçe sany bananyň massasy ýertudanalaryň massasyndan 5 esse köp?

4. 

Haýsy hadysa berlen temperaturaga deň?

0° C



32° C



100° C

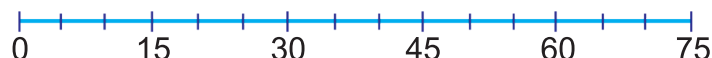


20° C



5. 

Şkalalaryň bir sany bolamgynyň bahasyny anyklaň.



6. 

Spidometr nähili ölçegi görkezip dur? Olar nähili ýagdaýda?



7. 

$$725 + 90 \div 15$$

$$1000 - 84 \times 6$$

$$(972 - 482) \div 7$$

$$6 \times (683 - 579)$$

$$280 \div 4 + 142 \times 4$$

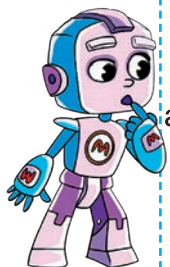
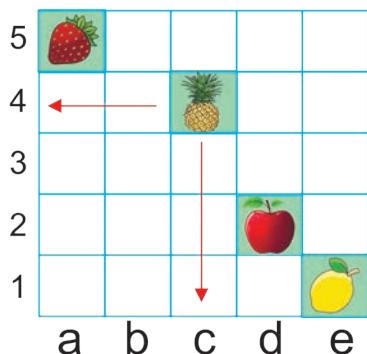
$$178 \times 4 + 720 \div 6$$

8-nji bab.
3-nji ders

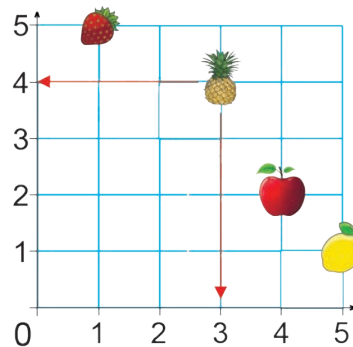
Koordinata burçy

1.  Ananasyň ýerini anyklaýarys. Galan miweler haýsy öýjükde ýerleşen?

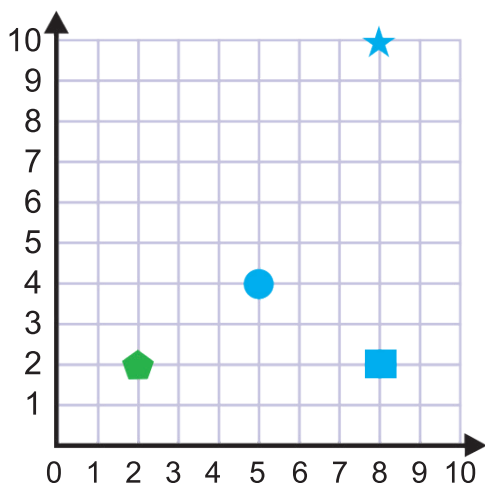
Berlen jedwel ölçeglerini islegä görä alyp, hatar we sütünleri sanlaryň kömeginde bellemek mümkin.



Emele gelen şekili **koordinatalar burçy** diýýäris. Meselem: ananas ýerleşen orun (ýa-da koordinatasy) (3; 4). 3 – gorizontal şöhlede, 4 – wertikal şöhlede ýerleşen.

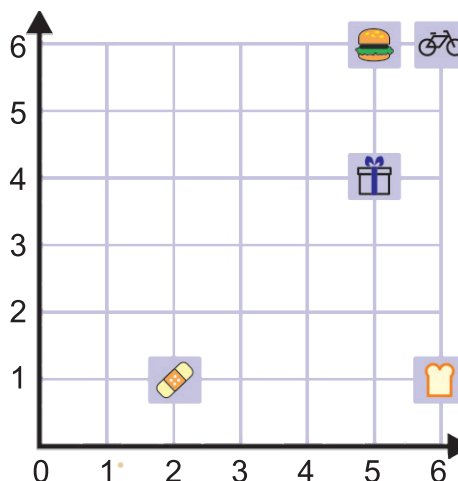
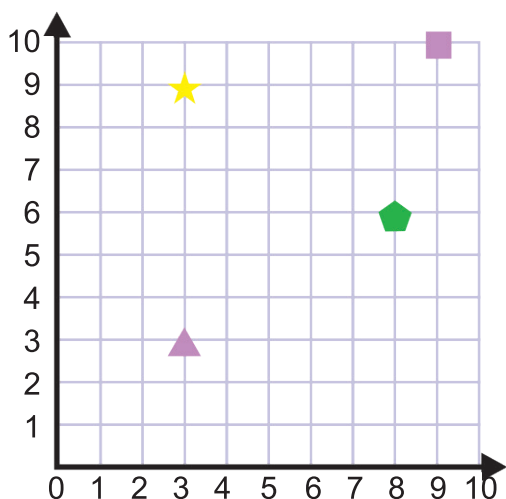


2.  Şekilleriň koordinata burçundaky ýerleşýän ýerini tapýarys.

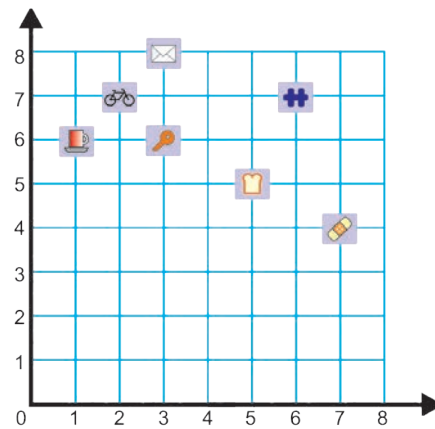
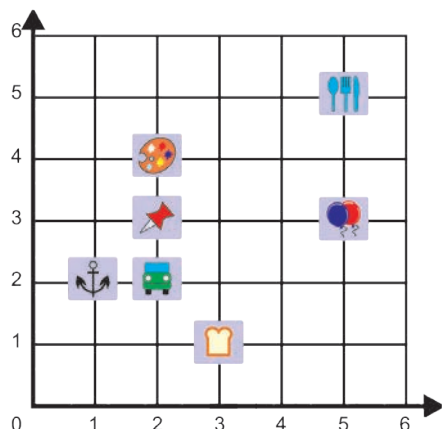


- ★ – şekil (___ ; ___) nokatda ýerşelen.
 ❖ – şekil (___ ; ___) nokatda ýerşelen.
 ● – şekil (___ ; ___) nokatda ýerşelen.
 ■ – şekil (___ ; ___) nokatda ýerşelen.

3.  Koordinata burçyny çyzýarys we şekilleriň ýerleşýän ýerini belleýäris.

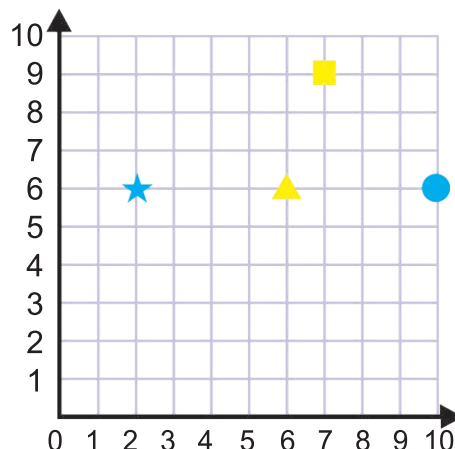
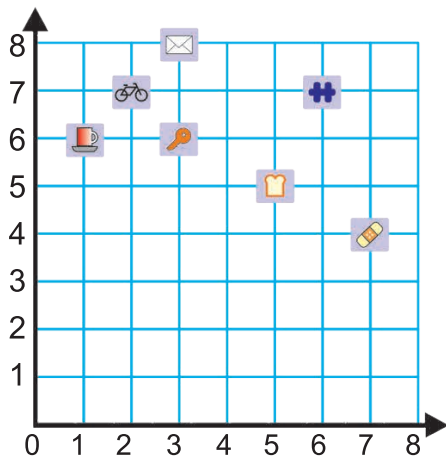


4.  Koordinatasy $(3; 1)$, $(2; 4)$, $(5; 5)$, $(6; 7)$, $(1; 6)$, $(3; 6)$, $(7; 4)$ nokatlarda ýerleşen predmetleri anyklaýarys.



5.  Jawlon şaşka tagtasynda oýun oýnaýar. Onuň şaşka dānesi D5 öýjüde dur. Şaşka dānesini G7 öýjüge sürmek üçin nähili hereketleri ýerine ýetirmeli?

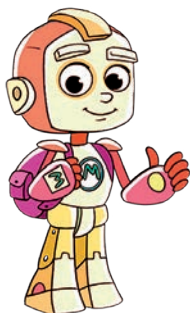
6.  Koordinata burçundan ýerleşen predmetleriň oruny belleýäris.



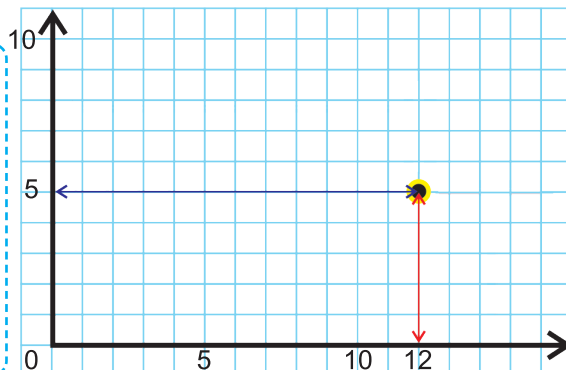
8-nji bab.
4-nji ders

Koordinata burçy

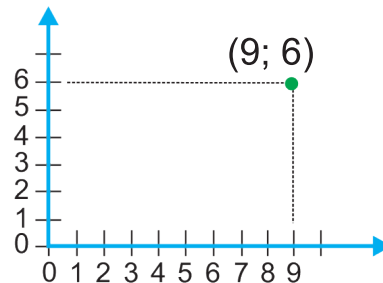
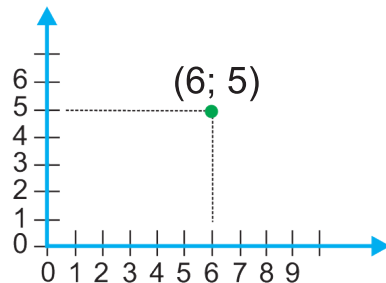
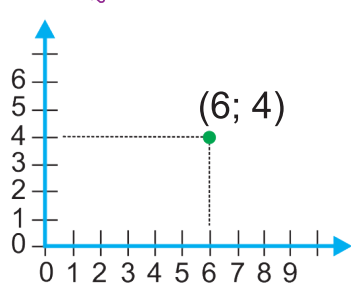
1.  Koordinatalaryndan peýdalanyň nokat nirede ýerleşýändigini anyklaýarys.



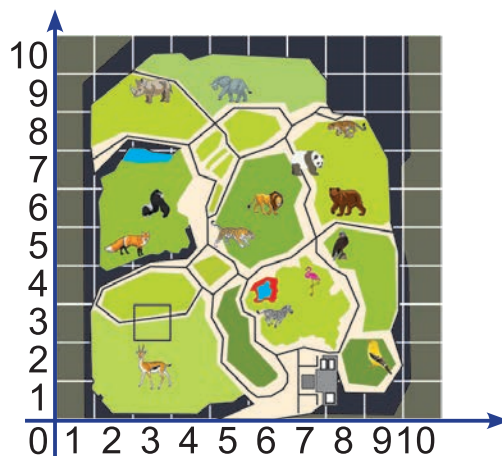
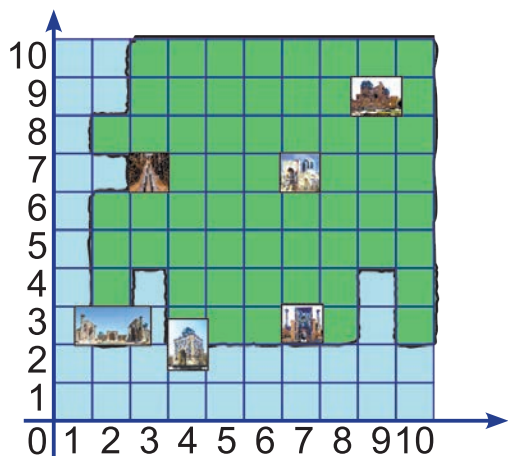
Koordinatlar hemişe belli bir tertipde ýazylýar: $5 (12; 5)$.
12 – gorizontall aralyk;
5 – wertikal aralyk.



2.  Gorizontal we wertikal çyzyklarda ýerleşen sanlary belleýäris.

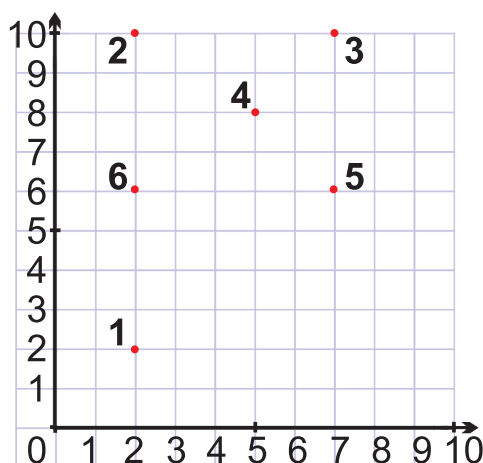


3.  1-nji suratdaky taryhy binalary hem-de 2-nji suratdaky haýwanlaryň koordinatalaryny anyklaýarys.



4.  Konsert köşgünde 15 hatar ýer bar. Her bir harardaky oturgyçlar 1-den 24-e çenli nomerlenen bolsa, 9 nomeri jemi näçe gezek ulanylan?

5.  Baýdajyk suratyny koordinata burçunda çyzýarys.

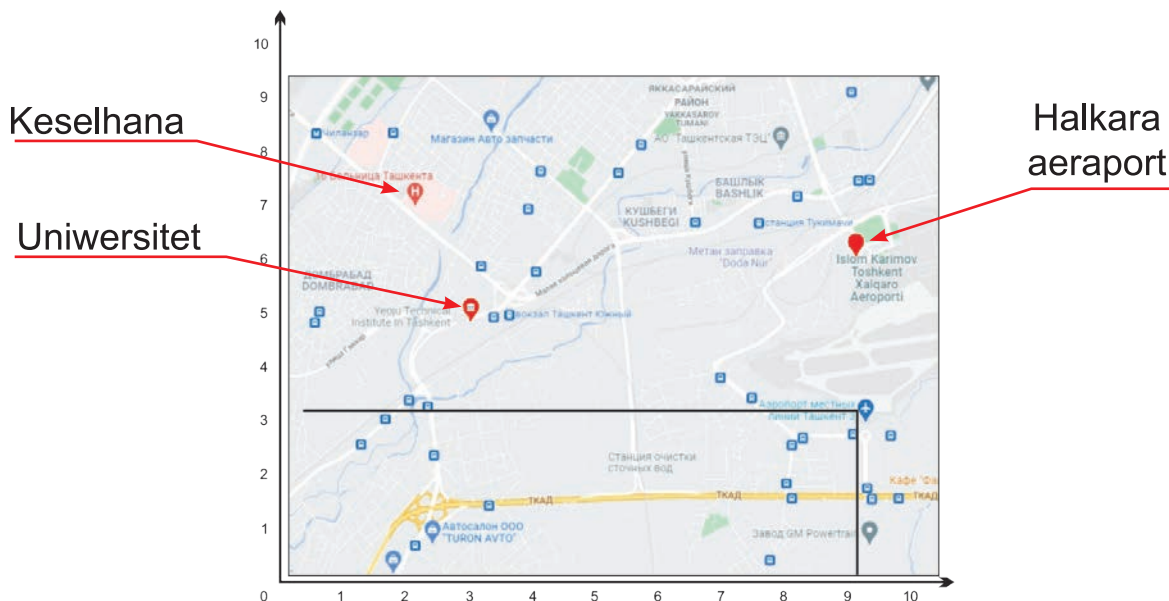


6.  Koordinata burçuny çyzýarys, onda $(6; 1)$, $(6; 4)$, $(4; 6)$, $(2; 4)$, $(2; 1)$, $(6; 1)$ nokatlary belgiläp yzygiderlikde birikdirsek, nähili şekil ememle geler?

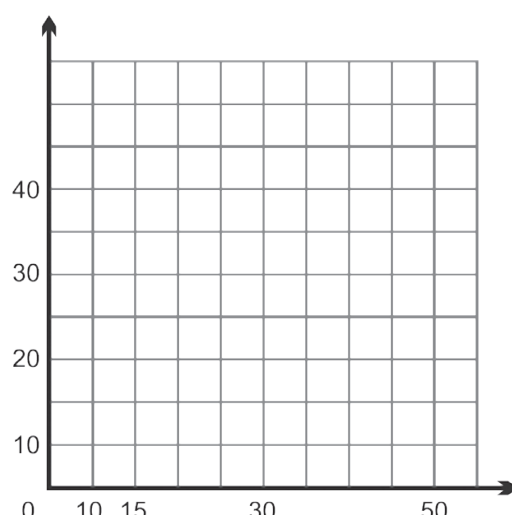
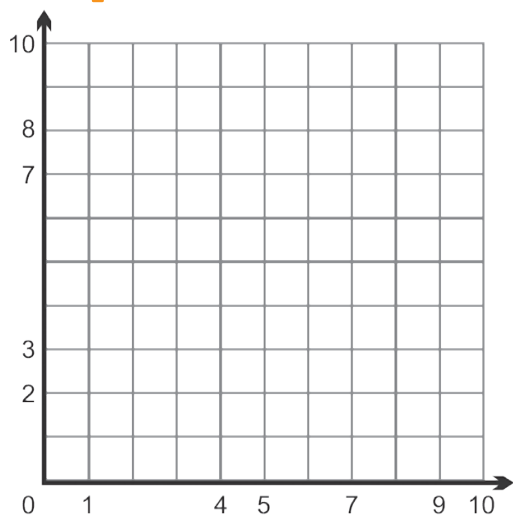
8-nji bap.
5-nji ders

Koordinata burçy

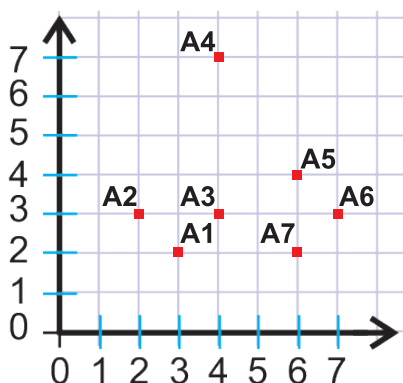
1.  Nusga esasynda gyzyly bilen bellenen adresleriň koordinatalaryny belleýäris.



2.  Koordinata burçundaky şkalalary tertipleýäris.



3.  Nokatlary birikdirýaris, olaryň koordinatalaryny belleýäris. Nähili şekil emele geldi?





Koordinatalar burçunda harplary belleýäris.

A = (7; 5)

C = (3; 6)

E = (2; 2)

G = (9; 6)

I = (1; 4)

B = (7; 5)

D = (7; 5)

A = (7; 5)



Koordinatalara laýyk suraty saýlaň.

(1; 3)



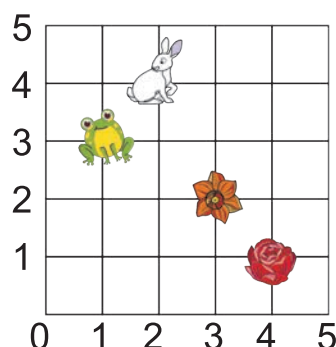
(4; 1)



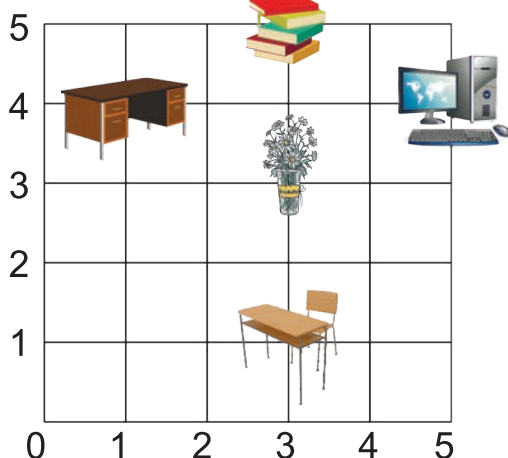
(2; 4)



(3; 2)



Nusga seredip dowam ediň.



1. (3; 1)

Parta

2. (3; 5)

3. (5; 4)

4. (1; 4)

5. (3; 3)

8-nji bab.
6-njy ders

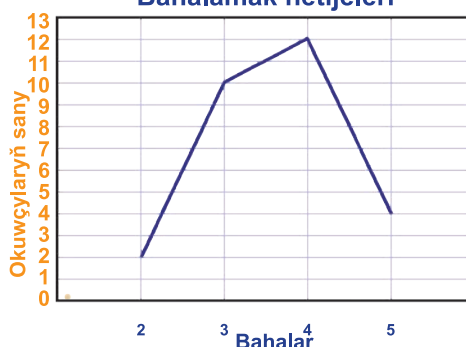
Diagrammalar

1. Barlag işiniň bahalandyrmak netijelerini koordinata burçynda ýerleşdirýäris.

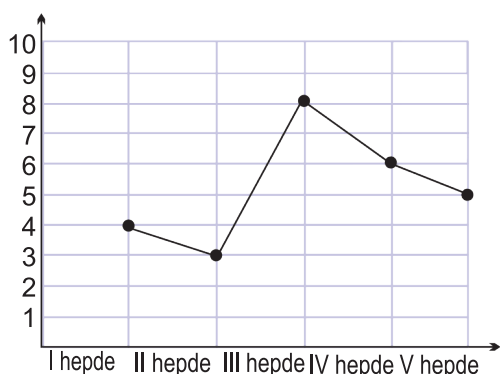
Baha	5	4	3	2
Sany	4	12	10	2

Laýyk nokatlary koordinata töründe belläp, olary yzygider birleşdirende, çyzykly diagramma emele gelýär.

Bahalamak netijeleri



2.  Soraglarga jogap berýäris. Aziza kitaphanadan 5 hepde dowamynda alan jemi kitaplarynyň sanyny anyklaýarys.



- 4-hepdede näçe sany kitap aldy?
- Aziza haýsy hepdede 6 sany kitap aldy?
- 2-hepdeden göre 1-nji hepdede näçe sany köp kitap alyndy?
- Aziza haýsy hepdede iň köp kitap aldy?
- Aziza haýsy hepdede iň az kitap aldy?

3.  Alym 5 gün dowamyndaky alma pirogyny söwdasynyň diagrammasyny düzdi. Soraglarga jogap berýäris.

- Alym 2-nji günü näçe sany alma pirogynny satdy?
- Haýsy günü ol 6 sany köke satdy?
- Haýsy günü ol iň köp köke satypdyr?

				
				
				
				
				
1-nji gün	2-nji gün	3-nji gün	4-nji gün	5-nji gün

4.  50 litr süýdi 1 litrli we 3 litrli gaplara guýmak üçin iň artykmajy bilen näçe sany 3 litrli gap gerek bolar?

5. 

Aýlar	Işleriň sany
Ýanwar	8
Fewral	7
Mart	6
April	10
Maý	5

Gülnaza 5 aý dowamyndaky balet gurnaklary sany-ny ýazdy. Berlen maglumatlardan peýdalanyp çyzgylý diagramma çyzýarys.

6.  Maşgala agzalaryňyzyň ýaşyny çyzgylý diagrammada aňladyň.

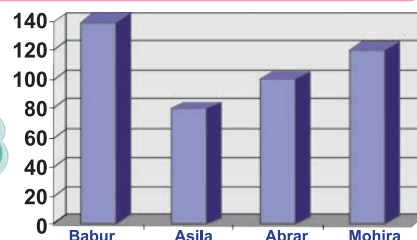
8-nji bap. 7-nji ders

Diagrammalar

1.  Okuwçylaryň boýlaryny deňeşdirýäris. Soraglarga jogap berýäris.

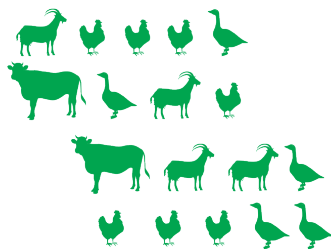
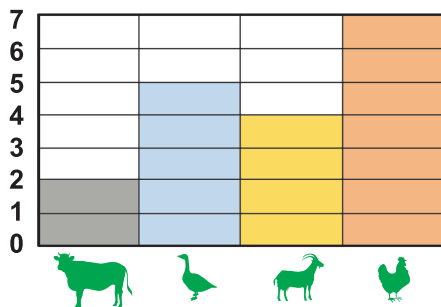
- Kimiň boýy iň uzyn?
- Kimiň boýy iň pes?
- Abraryň boýy kimden belent, kimlerden pes?
- Kimiň boýy Baburdan pes, Abrardan belent?
- Babur bilen Asilanyň boýy näçe cm tapawut edýär?

Bu stünli diagrammadyr.



2.  Sütünli diagrammadan peýdalanyň soraglara jogap berýäris.

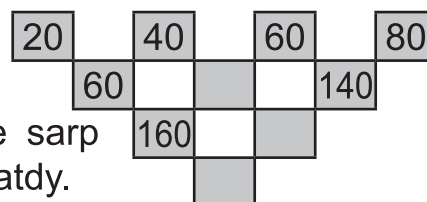
- Näçe sany ördek bar?
- Haýsy haýwan iň köp?
- Towuklar ördeklerden näçe tapawut edip dur?
- Haýsy haýwan iň azy?
- Her haýwanyň sanyny anyklaň we diagrammadaky maglumatlar bilen deňeşdiriň.



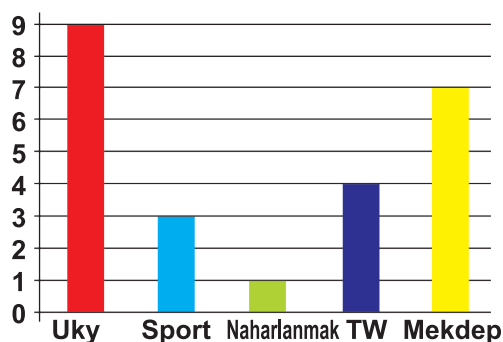
3.  140 sany kişiniň arasynda «Iň gowy widjetler (toparlar) haýsy?» atly sowalnama geçirildi. Berlen maglumatlaryň esasynda diagramma düzýäris.

	Terjime widjeti	Howa widjeti	Foto widjeti	Nawigator widjeti	Kalendar widjeti
Adamlar	35	30	10	40	25

4.  Boş öýjüklerdäki sanlary anyklaýarys.



5.  Azamat 24 sagat wagtyny nämelere sarp edilendigini sütünli diagrammada aňlatdy.



- Ol iň köp wagtyny näme üçin sarplan?
- Iň az wagtyny nämä sarplanan? Ol mekdepde telewizor tomaşa etmekden görä näçe sagat köp wagt bolan?

6.  Bir topar çagalar özleri gowy görýän aýdym-saz guralyna ses berdiler.

Diagrammadan peýdalanyň soraglara jogap berýäris.

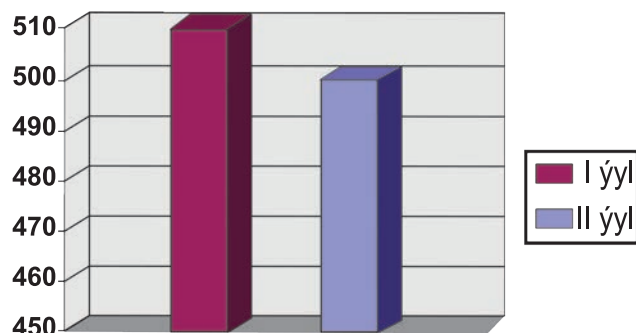
- Haýsy gural iň köp ses aldy?
- Haýsy gural baş sany ses aldy?
- Gitara alan sesleriň sany barabanyňkydan näçe sany köp?



8-nji bap.
8-nji ders

Diagrammalar

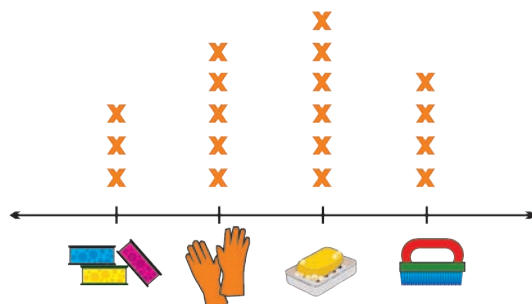
1.  Diagrammada iki ýlda satylan awtomobiller hakynda maglumat berlen. Muhlis diagramma seredip şeýle dedi: «1-nji ýyla garanda 2-nji ýlda satylan awtomobiller sany dessine artan». Muhlis dogry netije çykardymy? Näme üçin?



2.  Maglumatdan peýdalanyň sütünli diagramma düzýäris.

5	9	8	8
			

3. 



Predmetleriň sanyň anyklap, sütünli diagrammada aňladýarys.

4.  Näbelli sanlary anyklaýarys.

$$\begin{array}{r} \boxed{10} + \boxed{} - \boxed{20} = 40 \\ \times \quad \times \quad \times \\ \boxed{} \div \boxed{4} \times \boxed{} = 42 \\ - \quad \div \quad \times \\ \boxed{60} \times \boxed{} - \boxed{3} = 297 \\ = \quad = \quad = \\ 60 \quad 40 \quad 840 \end{array}$$

5.  Boş öýjükleri doldurýarys.

$$\frac{6}{7} - \frac{5}{7} = \frac{\boxed{}}{\boxed{}}$$

$$\frac{10}{10} - \frac{\boxed{}}{10} = \frac{3}{10}$$

$$\frac{8}{9} - \frac{\boxed{}}{\boxed{}} = \frac{4}{9}$$

$$\frac{7}{12} - \frac{6}{12} = \frac{\boxed{}}{\boxed{}}$$

$$\frac{\boxed{}}{\boxed{}} - \frac{3}{11} = \frac{5}{11}$$

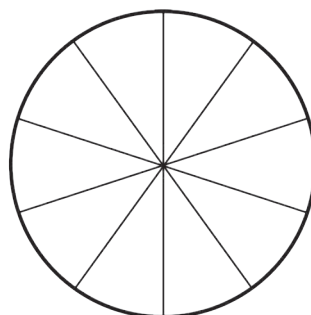
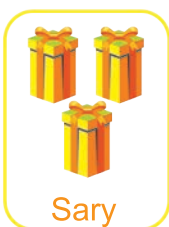
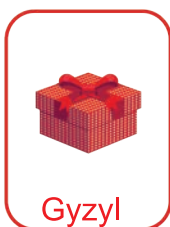
$$\frac{4}{5} - \frac{2}{5} = \frac{\boxed{}}{\boxed{}}$$

6.  Satyjy bir günde 10 kg ýeralma, 5 kg sogan, 8 kg käşir, 2 kg şugundyr satdy. Berlen maglumatlary sütünli diagrammada aňladyň.

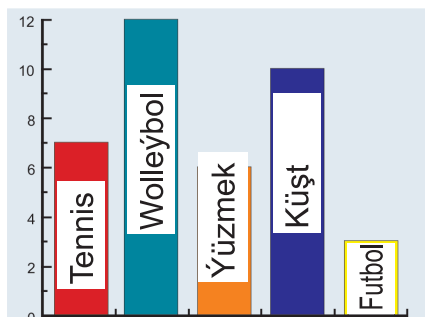
8-nji bap.
9-njy ders

Maglumatlary dürli görnüşlerde aňlatmak

1. Sowgat gutylary näçe hil reňkde? Olaryň sany we reňkine seredip, tegelek böleklerini boýaýarys.



- 2.



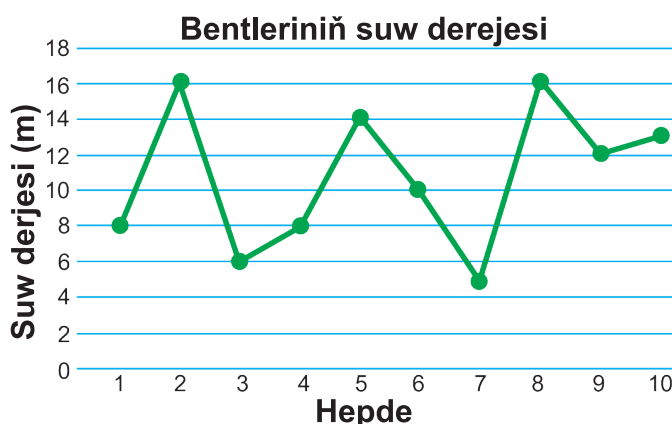
2. Diagramma esasynda sport görnüşlerine gatnaşýan çagalaryň sanyny aýdýarys. Haýsy sport görnüşine iň köp okuwçy gatnaşan?

- 3.

Bu grafikde bentleriniň suw derejesi 10 hepdelik gökezişijisi aňladylan.

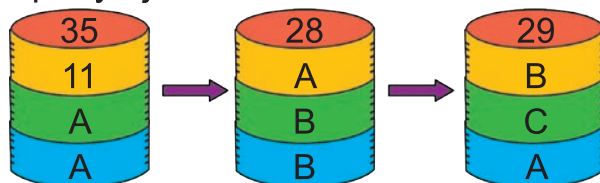
Grafigi çyzýarys we soraglara jogap berýäris.

- 8-nji hepdede suw derejesi näçe bolan?
- Haýsy hepde-de suw iň az bolan?
- Haýsy hepdelerde suw derejesiniň belentligi deň bolan?



- 4.

Her bir harpyň jemini tapýarys. Sütünleriň ýokary bölegindäki san sütünlärdäki harplaryň jemine deň.



- 5.

Hasaplaýarys.

$$400 - 240 \div 6 + 14$$

$$136 + 96 \div 16 \times 87$$

$$1000 - 844 \div 2 + 192 \div 4$$

$$1000 \div 5 + 181 \times 3 - 140$$

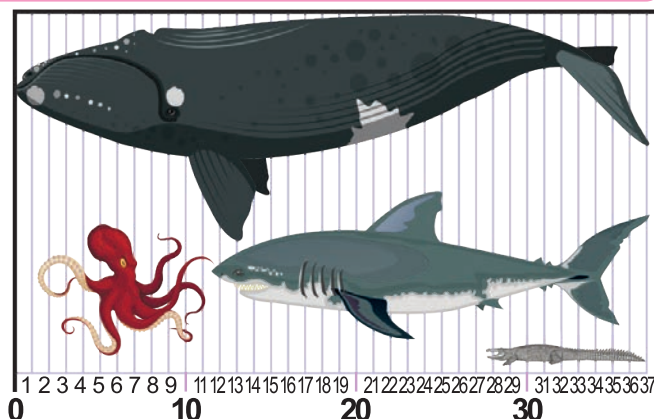
- 6.

Synpdaky okuwçylaryň 17 sanysy predmet gurnaklaryna, 8 sany sport gurnaklaryna, 6 sany hünärmentçilik gurnaklaryna gatnaşdy. Maglumatlary sütünli diagrammada aňladýarys.

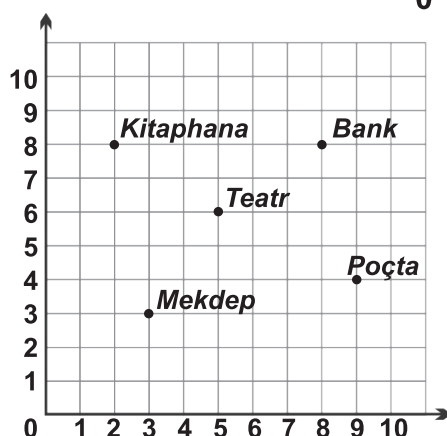
8-nji bap
10-njy ders

Maglumatlary dürli görnüşlerde aňlatmak

1.  Suratda deňiz haýwannlary görkezilen. Bu haýwanlaryň uzynlygyny anyklaýarys.



2. 



Bellenen salgylaryň koor-
dinatalaryny tapýarys.

3.  Öýjükleriň ýerine «×», «÷», «+», «-» amallaryndan laýygyny goýýarys we netije gazanarys.

$$6 \square 1 \square 2 \square 2 = 5$$

$$6 \square 1 \square 2 \square 2 = 5$$

$$6 \square 1 \square 2 \square 2 = 5$$

4.  Sabyr 100 sanyny iki bölege paýlady. Soň olardan birini başgasyna böldi. Paý dört çykdy. Sabyr 100 sanyny nähili böleklere paýlady?

5.  Adamyň bir günlük iýmit rasionynda beloklar 120 gramy, uglewodlar 400 gramy, ýaglar bolsa 100 gramy tutmaly. Bu maglumatlardan peýdalanyň sütünli diagramma çyzýarys.

6.  Smartfondaky howa ýagdaýynyň widjetiniň (toparyň) kömeginde bir hepdelik howa maglumaty jedwelini düýäris we ony sütünli diagrammada şekillendirýäris.

Günler	Duşenbe	Sişenbe	Çarşenbe	Penşenbe	Anna	Şenbe	Ýekşenbe
Temperatura							

8-nji bap.
11-nji ders

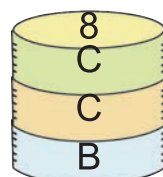
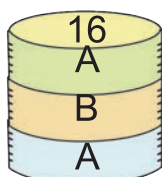
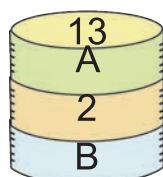
Maglumatlary dürli görnüşlerde aňlatmak

1.  Bir topar çagalaryň arasynda öý haýwanlarynyň sany hakynda sowalnama geçirdiler. Diagrammany öwreniň we aşakdaky soraglara jogap beriň.

- Näçe sany çaganyň 3 sany öý haýwany bar?
- Näçe sany çagada öý haýwanlary ýok?
- Näçe sany çaganyň 2 sanydan artyk öý haýwany bar?
- Näçe sany çaga arasynda sowalnama geçirildi?



2.  Her bir harpyň bahasyny tapýarys. Stünleriň ýokary bölegindäki san stünlerindäki harplaryň jemine deň.



3.  Sorag belgisini haýsy san bilen ýerini çalyşanda logiki dogry bolar?

26

34

41

49

56

?

4.  Berlen jedwel esasynda soraglara jogap ýazýarys.

No	Toparlar	Oýun	Ýeňiş	Deňlik	Ýeňliş	Oçko
1	Pahtakar	17	14	2	1	44
2	OTMK	19	12	6	1	42
3	Nasaf	19	10	7	2	37
4	Metallurg	18	9	3	6	30
5	Kokan-1912	18	9	2	7	29
6	Bunýodkor	17	8	5	4	29

- Her bir topar näçe sanydan oýun geçiren?
- Toparlaryň oçkasy dogry hasaplananmy?
- Oçkolar nähili hasaplanan?

5.  Hasaplaýarys.

$$800 - 420 \div 7 + 170$$

$$964 \div 4 + 125 \times 3$$

$$248 + 84 \div 14 \times 50$$

$$200 \times 5 - 371 \times 2$$

6.  Adiba hepdelik ýagyn mukdary hakynda maglumat toplady. Maglumatlary çyzykly grafikde aňladýarys.

Ýagyn mukdary							
Günler	Duşenbe	Sişenbe	Çarşenbe	Penşenbe	Anna	Şenbe	Ýekşenbe
Mukdar (mm)	2	2	3	6	8	9	9

8-nji bap.
12-nji ders

Maglumatlary dürli görnüşlerde aňlatmak

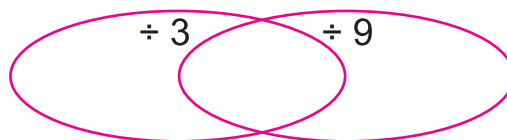
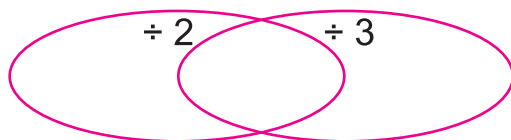
1.  Synp okuwçylaryň arasynda olaryň söýgüli sapaklary hakynda sowal-nama geçirýäris. Toplanan maglumatlary ýazyp, sütünli diagramma düzýäris.

Sapaklar	Matematika	Tebigat ylymlary	Ene dili we okuw sowatlylygy	Iňlis dili	Rus dili
Sany					

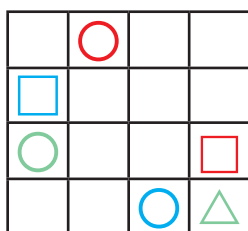
2.  Wenn diagrammasyny düzýäris.

6, 8, 9, 12, 14, 15, 16, 18, 21.

9, 12, 15, 18, 21, 27.



3. 



Her bir hatarda we sütünde 4 sany şekil (kwadrat, dörtburçlyk, üçburçlyk, tegelek) we 4 sany reňk (gyzyl, sary, ýaşyl, gök) bolmaly. Şekilleri şeýle ýerleşdiriň welin, bir hil şekil we reňk golaýynda ýerleşmesin.

4.  Sudoku jedwelini doldurýarys. Her bir setirde we sütünde 1-den 5-e çenli bolan sanlar diňe 1 gezek gatnaşsyn.

5	4	1	2		2	3	5	1	4	4	5	3	1		2	5	4	3	
	2	3	5	4	5	1	4	2	3		3	1	2	4	4	3		2	5
	4	1	2	3	4	2	3	5	1						1	2	5		3
	3	5	4	1							2	4	5	3		4	3	1	2
	1	2	3	5	3	5	1	4	2		1	2	4	5	3		2	5	4

5.  Jedwel bir hepde dowamynda her güni muzeýe gelýän adamlaryň sanyny görkezýär. Jedwel esasynda sütünli diagramma çyzýarys we soraglara jogap ýazýarys.

- Iň köp adam gelen haýsy güni bolan?
- Iň az adam gelen haýsy güni bolan?
- Bir hepdede jemi näçe sany adam gelen?

Günler	Adamlaryň sany
Sişenbe	15
Çarşenbe	35
Penşenbe	83
Anna	90
Şenbe	42
Ýekşenbe	51

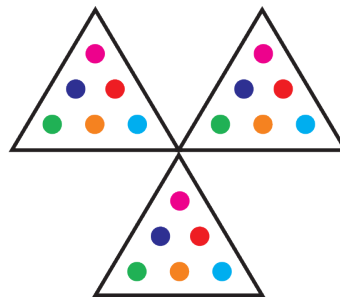
6.  Suratda berlen maglumatlaryň esasynda sütünli diagramma düzýäris.

7 	10 	9 	8 
--	---	---	--

8-nji bab.
13-nji ders

Maglumatlary dürli görnüşlerde aňlatmak

1.  Umida kostým üçin üçburçlyk we monjuklar bilen dizaýn döretmekde. Onuň dizaýnynda her bir nagyşy üçin 3 sany üçburçlyk we 18 sany monjuk gerek bolar. Umida jemi 72 sany üçburçlykdan peýdalandy. Ol näçe sany monjuk ulanýar? Meseläni çözmek üçin aşakdaky suratdan peýdalanyň.



2.  Yzygiderligi dowam ediň.

2	12								
10	14								
5	10								
8	16								
4	8								

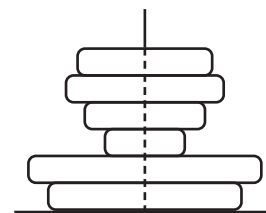
3. 



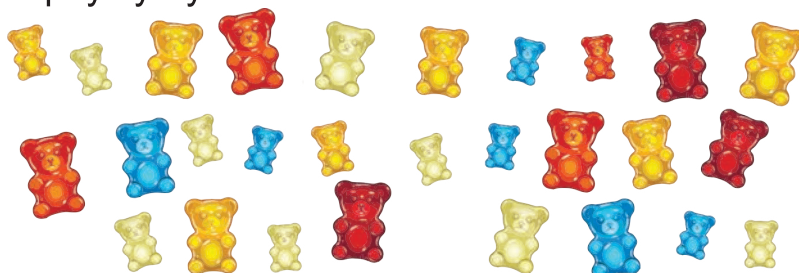
Meseläni çözüň.

Aşpez 5 kilogramly hem-de 10 kilogramly gaplardan saýlap, 35 kg un satyp almaly. Ol 35 kg uny näçe hil usul bilen satyp almagy mümkin?

4.  Dilaram suratda görkezilişi ýaly halkalardan piramida ýasap, ýokardan seredende, näçe sany halkany görüp bilýär?



5.  Oýnawaç aýyýyklarynyň reňki we şekiline görä toparlara paýlaýarys.

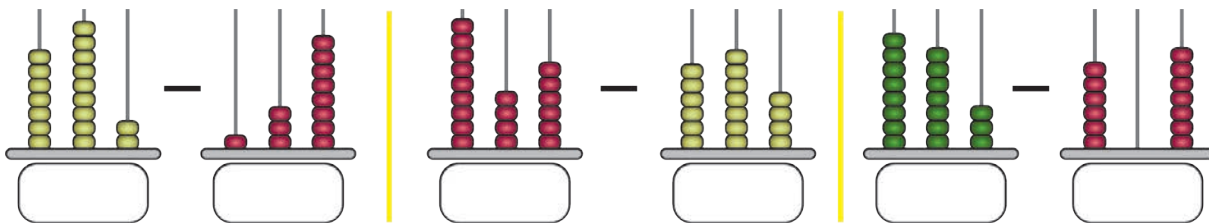


6.  7 gün dowamynda her gije näçe sagat uklanyňyzy ýazyp baryň we çyzykly diagramma dörediň.

Günler	Duşenbe	Sişenbe	Çarşenbe	Penşenbe	Anna	Şenbe	Ýekşenbe
Temperatura							

GAÝTALAMAK

1. Model esasynda aňlatma düzüp, jemini tapýarys.



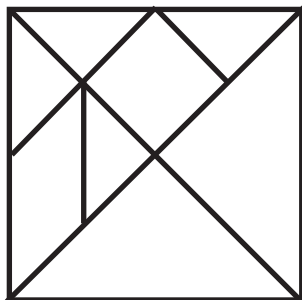
2. 105 sany sözlerde nähili aňladylýar? Dogry jogaby saýlaýarys.

Baş ýüz baş **on we baş** **bir ýüz baş** **bir nol baş**

3. Hasaplaýarys.

145 + 55 123 – 122 667 + 11 653 – 132 284 + 32
321 + 43 476 – 130 882 + 18 884 – 262 704 – 302

4. Suratda nähili şekilleri görýärsiňiz? Olar näçe sanydan?



5. Hasaplaýarys.

$$\begin{array}{r} 133 \\ - \square \\ \hline 39 \end{array}$$

$$\begin{array}{r} 125 \\ - \square \\ \hline 56 \end{array}$$

$$\begin{array}{r} 106 \\ - \square \\ \hline 93 \end{array}$$

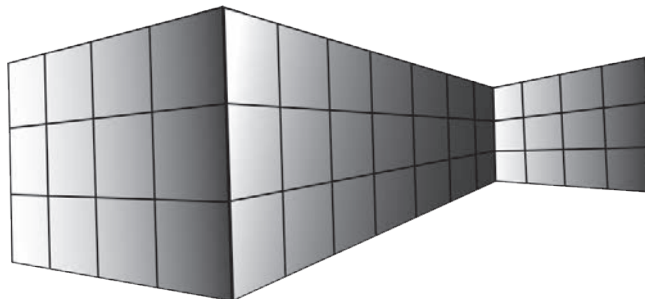
$$\begin{array}{r} 103 \\ - \square \\ \hline 81 \end{array}$$

$$\begin{array}{r} 111 \\ - \square \\ \hline 53 \end{array}$$

$$\begin{array}{r} 150 \\ - \square \\ \hline 55 \end{array}$$

$$\begin{array}{r} 120 \\ - \square \\ \hline 75 \end{array}$$

6. Diwaryň ýüzüni nähili hasaplaýarys? Ol näçeä deň?



7. Aýyň täk günlerinde ýagyş ýagdy, jübüt günleri güneşli boldy.

Eger bu howa maglumatyna mart aýynda gözegçilik edilen bolsa, näçe gün ýagyşly gün bolupdyr?

8. Boş öçjüklere laýyk sanlary tapýarys.

$$\begin{array}{r} \boxed{25} \\ \times \boxed{} \\ \hline 100 \end{array}$$

$$\begin{array}{r} \boxed{2}\boxed{} \\ \times \boxed{9} \\ \hline 180 \end{array}$$

$$\begin{array}{r} \boxed{40} \\ \times \boxed{} \\ \hline 200 \end{array}$$

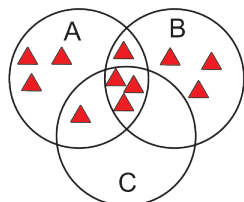
$$\begin{array}{r} \boxed{}\boxed{5} \\ \times \boxed{6} \\ \hline 210 \end{array}$$

$$\begin{array}{r} \boxed{19} \\ \times \boxed{} \\ \hline 133 \end{array}$$

$$\begin{array}{r} \boxed{}\boxed{2} \\ \times \boxed{4} \\ \hline 208 \end{array}$$

$$\begin{array}{r} \boxed{67} \\ \times \boxed{} \\ \hline 201 \end{array}$$

9. Suratda görkezilen «A, B» we «C» tegeleklerden haýsysy iň köp üçburçlyga eýe?



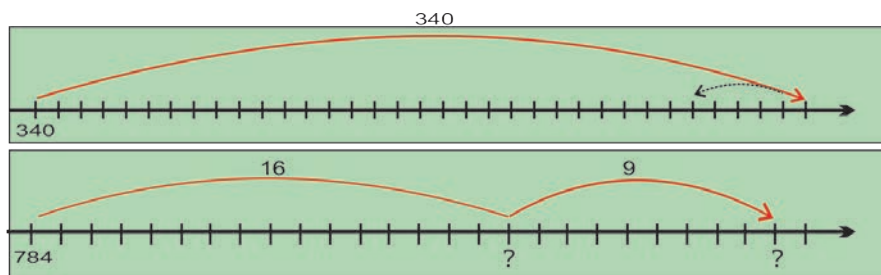
10. Haýsy wagt ýetişmän dur? Tapýarys.



?



11. Sanlar şöhlesiniň esasynda aňlatma düzýäris we hasaplaýarys.



12. Nadyra hepdäniň her anna günü kitaphana baryp, 30 sahypa kitap okaýar. Eger Nadyra şeýle okamagy dowam etse, iki aýda näçe sahypa kitap okaýar?

13. Boş öýjüklere laýyk gelýän sanlary tapýarys.

$$85 + \boxed{} = 198$$

$$\boxed{} - 365 = 574$$

$$\boxed{} - 435 = 276$$

$$42 + \boxed{} = 397$$

$$876 - \boxed{} = 422$$

$$536 + \boxed{} = 987$$

$$98 + \boxed{} = 417$$

$$\boxed{} - 763 = 129$$

$$\boxed{} + 141 = 569$$

14. Lentanyň uzynlygy 120 cm bolsa, bu lentanyň $\frac{1}{2}$ bölegi näçe cm-a deň? $\frac{1}{4}$ bölegi näçe?

15. Uzakdaky planetadaky bir ýyl 7 aýa deň. Birinji, üçünji, başininji, ýedinji aýlar 8 günden, ikinji, dördünji, altynjy aýlar bosa 9 günden dowam edýär. Bu planetada bir ýyl näçe günden ybarat?

16. Laýyk gelyän sanlary tapyp hasaplaýarys.

$$\begin{array}{r} 3 \square \\ \times 5 \\ \hline 170 \end{array}$$

$$\begin{array}{r} 4 \square \\ \times 3 \\ \hline 135 \end{array}$$

$$\begin{array}{r} \square 6 \\ \times 4 \\ \hline 104 \end{array}$$

$$\begin{array}{r} 3 \square \\ \times 5 \\ \hline 185 \end{array}$$

$$\begin{array}{r} \square 6 \\ \times 2 \\ \hline 132 \end{array}$$

$$\begin{array}{r} 92 \\ \times \square \\ \hline 276 \end{array}$$

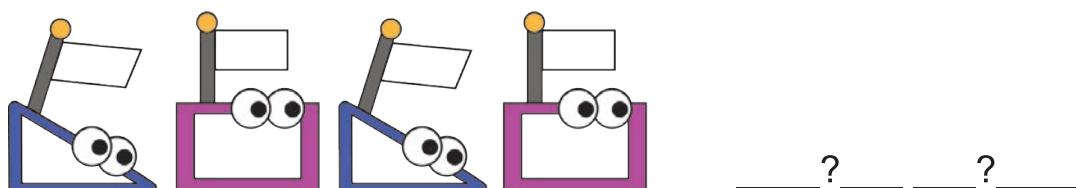
$$\begin{array}{r} 63 \\ \times 4 \\ \hline \square 52 \end{array}$$

17. Boş öýjükleri doldurýarys.

46	+	...	+	245	=	343
+		+		+		
...	+	...	+	...	=	244
=	=	=				
180		91		316		

321	+	...	+	...	=	845
+		+		+		
...	+	154	+	...	=	629
=	=	=				
740		417		317		

18. Zygidereligi dowam etdirýaris.



19. Zygiderlik esasynda hasaplaýarys.

$$\begin{array}{r} 273 \\ + 658 \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ - 567 \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ + 466 \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ - 275 \\ \hline 555 \end{array}$$

$$\begin{array}{r} 425 \\ - 246 \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ + 355 \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ - 177 \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ + 643 \\ \hline 1000 \end{array}$$

20. Bäşinji oruna sag tarapdaky haýsy sagat laýyk gelyär? Ol nähili wagty görkezip dur? 8 sagatdan soň sagat dilleri haýsy wagty görkezýär? Bu sagat näçenji orunlarda durmagyny anyklaýarys.

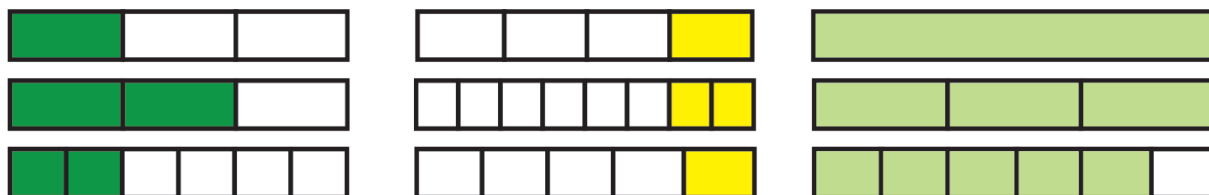


21. Tolib welosipede 4 gün gezelenç etdi. Ol her günü ol bir hil aralygy basyp geçdi. Tolib bu 4 günün içinde jemi 76 km aralygy basyp geçen bolsa, bir günde näçe kilometr ýol ýöräpdir?

22. Näbellileri tapýarys.

$$\begin{array}{l|l|l|l} 34 + \dots = 169 & 126 + \dots = 248 & \dots - 286 = 345 & \dots - 476 = 120 \\ 34 + \dots = 245 & \dots - 187 = 218 & \dots - 658 = 49 & \dots - 47 = 469 \end{array}$$

23. Şekilleriň haýsy bölekleri boýalan? Olary droblarda nähili aňladýarys?



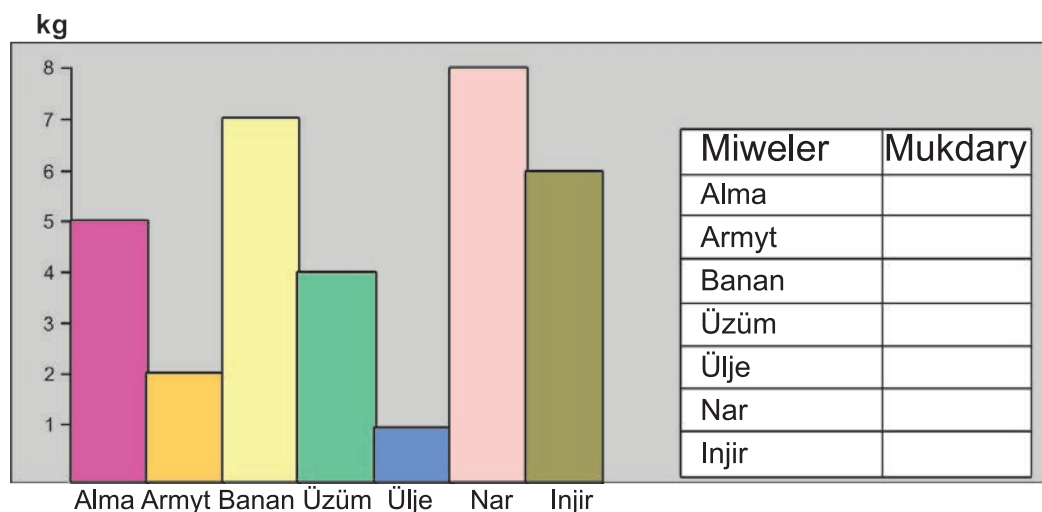
24. Droblaryň jemini tapýarys.

$$\frac{1}{8} + \frac{6}{8} \quad \frac{2}{5} + \frac{3}{5} \quad \frac{2}{7} + \frac{1}{7} \quad \frac{2}{6} + \frac{4}{6} \quad \frac{5}{8} + \frac{2}{8} \quad \frac{1}{3} + \frac{2}{3}$$

25. Uzynlyklary aňladýarys.

$$\begin{array}{ll} 4 \text{ m } 14 \text{ cm} = \dots \text{ cm} & 575 \text{ cm} = \dots \text{ m } \dots \text{ cm} \\ 6 \text{ m } 79 \text{ cm} = \dots \text{ cm} & 808 \text{ cm} = \dots \text{ m } \dots \text{ cm} \\ 7 \text{ m } 66 \text{ cm} = \dots \text{ cm} & 940 \text{ cm} = \dots \text{ m } \dots \text{ cm} \end{array}$$

26. Jedwelden peýdalanyň, baýram saçagy üçin haryt edilen miweler mukdaryny anyklaýarys. Iň köp haýsy miwe haryt edilen? Iň az alnan miwe haýsy?

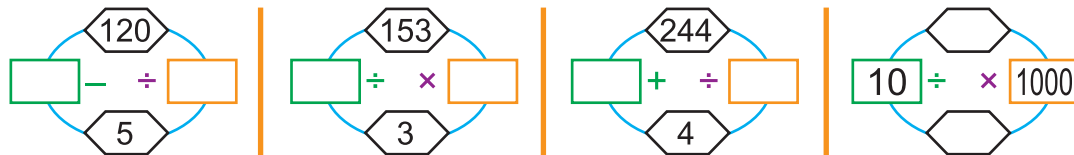


27. Hasaplaýarys.

$$\begin{array}{llll} 5 \times 12 = ? & 120 \div 10 = ? & 13 \times 9 = ? & 400 \div 4 = ? \\ _ \div 5 = ? & _ \times 10 = 120 & _ \div 9 = ? & _ \times 4 = 400 \end{array}$$

28. Sportçy 8 sekuntda 60 metrlik aralyga ylgamaly. Ol berlen wagtyň ýarymynda aralygyň $\frac{2}{3}$ bölegini basyp geçdi. Sportçy bu wagtda näçe metr aralygy ylgap geçen?

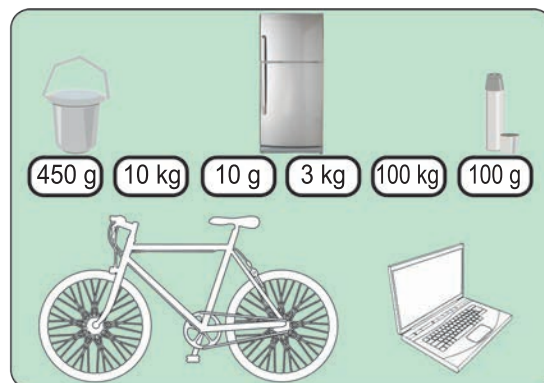
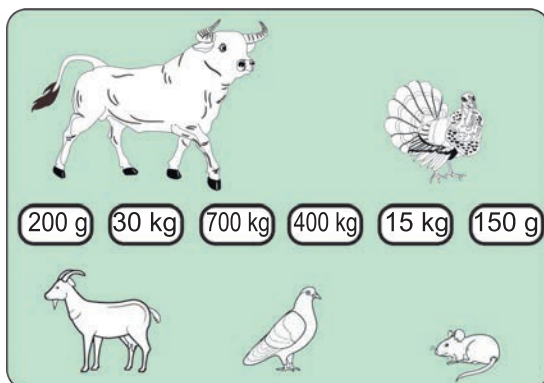
29. Amallary ýerine ýetirýäris.



30. Deňlemeleri çözüýäris.

$$\begin{array}{llll} x + 260 = 900 & x - 403 = 506 & 1000 - x = 452 & x \div 9 = 87 \\ 715 + x = 981 & x - 349 = 564 & 284 \div x = 71 & x \div 6 = 82 \end{array}$$

31. Haýwanlar we predmetlere laýyk agyrylyk ölçegini çaklap tapýarys.



32. Hasaplaýarys.

$$\begin{array}{lll} 400 - 810 \div 9 + 240 & 604 \div 2 - 184 + 743 & 300 \div 3 + (720 - 108) \\ 560 \div 7 - 80 \div 10 & 300 \div 3 + (720 - 108) & (999 - 900) \div 9 + 989 \\ 240 \times 2 + 369 \div 3 & (800 - 709) + (548 + 398) & (1000 - 100) \times (666 \times 0) \end{array}$$

33. Droblaryň tapawuduny tapýarys.

$$\begin{array}{llll} \frac{5}{7} - \frac{3}{7} = \text{---} & \frac{4}{5} - \frac{2}{5} = \text{---} & \frac{12}{12} - \frac{12}{12} = \frac{5}{12} & \frac{9}{9} - \frac{9}{9} = \frac{5}{9} \\ \frac{7}{8} - \frac{6}{8} = \text{---} & \frac{10}{10} - \frac{10}{10} = \frac{3}{10} & \text{---} - \frac{2}{4} = \frac{1}{4} & \text{---} - \frac{3}{11} = \frac{5}{11} \end{array}$$

34. Näbelli sifrleri tapýarys.

$$\begin{array}{r} 2 \square 5 \\ + \square 7 4 \\ \hline 4 3 \square \end{array} \quad \begin{array}{r} \square 2 7 \\ + 1 9 \square \\ \hline 7 \square 9 \end{array} \quad \begin{array}{r} 3 \square 8 \\ - 1 6 \square \\ \hline \square 1 1 \end{array} \quad \begin{array}{r} 2 8 \square \\ + \square 4 7 \\ \hline 6 \square 2 \end{array} \quad \begin{array}{r} \square 0 9 \\ + 1 \square 8 \\ \hline 5 1 \square \end{array} \quad \begin{array}{r} 3 5 \square \\ - 1 \square 5 \\ \hline \square 8 2 \end{array}$$

35. Her bir şekili derñew edýäris we jedweli doldurýärys.

Giňışlikdäki şekil	Üçburçlyklar sany	Kwadratlar sany
	4	1

36. Suratlaryň ýerine laýyk gelyän sanlary tapýarys.

$$\text{Building} + \text{Building} + \text{Building} = 453$$

$$\text{Ball} + \text{Ball} + \text{Ball} = 48$$

$$\text{Building} + \text{Building} + \text{House} = 350$$

$$\text{Ball} + \text{Ball} \times \text{Drum} = 176$$

$$\text{Factory} + \text{House} + \text{House} = 180$$

$$\text{Drum} \times \text{Drum} + \text{Gift} = 120$$

$$\text{House} + \text{Factory} + \text{Building} = ?$$

$$\text{Drum} + \text{Gift} \times \text{Ball} = ?$$

37. Hasaplaýarys.

$$\begin{array}{ccccc} 100 & + & \square & = & 700 \\ + & & - & & - \\ \square & + & \square & = & \square \\ = & & = & & = \\ 500 & - & \square & = & 100 \end{array}$$

$$\begin{array}{ccccc} \square & \times & 5 & = & 300 \\ \div & & \square & & \square \\ \square & \square & \square & = & \square \\ = & & = & & = \\ 2 & \square & \square & = & 100 \end{array}$$

38. Boş öýjükleri doldurýarys.

$$\begin{array}{r} \boxed{4}\boxed{4} \\ \times \boxed{}\boxed{} \\ \hline 176 \end{array}$$

$$\begin{array}{r} \boxed{5}\boxed{8} \\ \times \boxed{}\boxed{} \\ \hline 522 \end{array}$$

$$\begin{array}{r} \boxed{3}\boxed{2} \\ \times \boxed{}\boxed{} \\ \hline 192 \end{array}$$

$$\begin{array}{r} \boxed{2}\boxed{6} \\ \times \boxed{}\boxed{} \\ \hline 156 \end{array}$$

$$\begin{array}{r} \boxed{}\boxed{} \\ \times \boxed{}\boxed{9} \\ \hline 198 \end{array}$$

$$\begin{array}{r} \boxed{4}\boxed{} \\ \times \boxed{}\boxed{3} \\ \hline 135 \end{array}$$

$$\begin{array}{r} \boxed{3}\boxed{9} \\ \times \boxed{}\boxed{} \\ \hline 1\boxed{}\boxed{6} \end{array}$$

39. Lentanyň $\frac{1}{4}$ bölegi 200 cm bolsa, bu lenta näçe cm?

40. Hasaplaýarys.

$$\frac{1}{9} + \frac{1}{9} + \frac{1}{9}$$

$$\frac{2}{8} + \frac{3}{8} + \frac{1}{8}$$

$$\frac{1}{12} + \frac{1}{12} + \frac{1}{12}$$

$$\frac{1}{6} + \frac{1}{6} + \frac{1}{6}$$

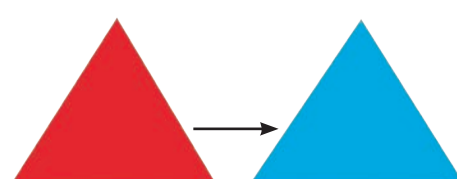
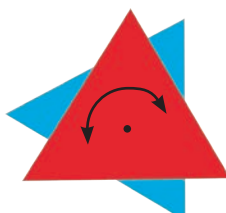
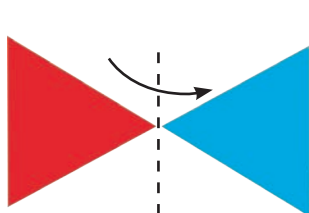
$$\frac{2}{8} + \frac{2}{8} + \frac{2}{8}$$

$$\frac{2}{9} + \frac{3}{9} + \frac{4}{9}$$

$$\frac{1}{8} + \frac{4}{8} + \frac{1}{8}$$

$$\frac{3}{11} + \frac{3}{11} + \frac{1}{11}$$

41. Şekil nähili hereketleriň netijesinde üýtgap dur? Şekilleri çyzyp, hereketleriň adyny ýazarys.



42. Deňlikler dogry bolmagy üçin nähili amallardan peýdalanarys?

$$750 \text{ () } 300 \text{ () } 2 \text{ () } 150$$

$$348 \text{ () } 152 \text{ () } 400 \text{ () } 100$$

$$320 \text{ () } 20 \text{ () } 240 \text{ () } 60$$

$$150 \text{ () } 4 \text{ () } 3 \text{ () } 200$$

$$640 \text{ () } 700 \text{ () } 300 \text{ () } 240$$

$$500 \text{ () } 500 \text{ () } 150 \text{ () } 850$$

43. Hasaplaýarys.

$$\begin{array}{r} 427 \\ 130 \\ + 216 \\ \hline \end{array}$$

$$\begin{array}{r} 374 \\ 241 \\ + 48 \\ \hline \end{array}$$

$$\begin{array}{r} 571 \\ 78 \\ + 242 \\ \hline \end{array}$$

$$\begin{array}{r} 378 \\ 254 \\ + 163 \\ \hline \end{array}$$

$$\begin{array}{r} 603 \\ 255 \\ + 106 \\ \hline \end{array}$$

$$\begin{array}{r} 471 \\ 250 \\ + 68 \\ \hline \end{array}$$

$$\begin{array}{r} 483 \\ 231 \\ + 157 \\ \hline \end{array}$$

$$\begin{array}{r} 327 \\ 261 \\ + 78 \\ \hline \end{array}$$

44. Terezi pellelerindäki näbelli agyryklary tapýarys.



45. Boş öýjükleri doldurýarys.

$$\begin{array}{r} 9 \square \\ \times 2 \\ \hline 194 \end{array} \quad \begin{array}{r} 84 \\ \times \square \\ \hline 252 \end{array} \quad \begin{array}{r} 79 \\ \times \square \\ \hline 395 \end{array} \quad \begin{array}{r} \square 8 \\ \times 5 \\ \hline 340 \end{array} \quad \begin{array}{r} \square 7 \\ \times 5 \\ \hline 335 \end{array} \quad \begin{array}{r} 99 \\ \times \square \\ \hline 198 \end{array} \quad \begin{array}{r} 6 \square \\ \times 4 \\ \hline 252 \end{array}$$

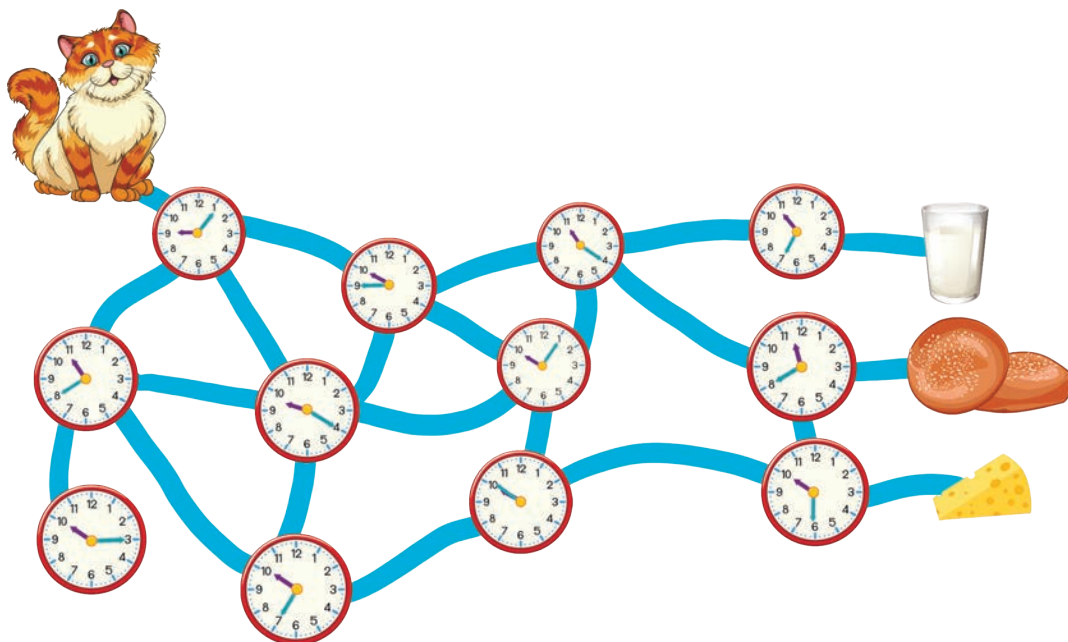
46. Droblary goşýarys.

$$\begin{array}{llllll} \frac{2}{4} + \frac{1}{4} & \frac{3}{6} + \frac{1}{6} & \frac{2}{3} + \frac{1}{3} & \frac{6}{8} + \frac{2}{8} & \frac{1}{4} + \frac{2}{4} & \frac{3}{5} + \frac{1}{5} \\ \frac{2}{5} + \frac{2}{5} & \frac{3}{8} + \frac{2}{8} & \frac{1}{6} + \frac{1}{6} & \frac{1}{5} + \frac{4}{5} & \frac{3}{4} + \frac{1}{4} & \frac{4}{8} + \frac{4}{8} \end{array}$$

47. Boş öýjükleri doldurýarys.

$$\begin{array}{l} 4 \times \square = 620 \\ \square \times \square = \square \\ \square \times 5 = \square \\ \square = \square \\ \square + 980 = 1000 \end{array} \quad \begin{array}{l} 981 \div \square = 9 \\ \square \times \square = \square \\ 6 \times \square = \square \\ \square = \square \\ 873 \div \square = \square \\ 743 + \square = 1000 \end{array}$$

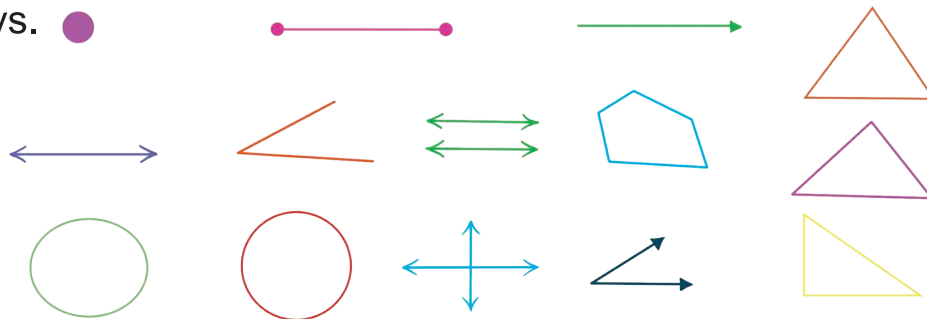
48. 15 minutlyk wagt aralygyna eýe ugur boýunça hereketlenýäris we pişige iýmit tapmaga kömek edýäris.



49. Boş öýjükleri doldurýarys.

$$\begin{array}{llll} \frac{2}{6} + \frac{\square}{6} = \frac{3}{6} & \frac{1}{10} + \frac{\square}{10} = \frac{7}{10} & \frac{5}{12} + \frac{\square}{12} = \frac{12}{12} & \frac{3}{8} + \frac{\square}{8} = \frac{5}{8} \\ \frac{1}{8} + \frac{\square}{8} = \frac{7}{8} & \frac{2}{9} + \frac{\square}{9} = \frac{9}{9} & \frac{1}{6} + \frac{\square}{6} = \frac{5}{6} & \frac{2}{5} + \frac{\square}{5} = \frac{3}{5} \end{array}$$

50. Her bir şekili çyzýarys, adyny we özüne has bolan häsiýetlerini aýdýarys. ●



51. Hasaplaýarys.

$$\begin{array}{r} 732 \\ + 244 \\ \hline \end{array}$$

$$\begin{array}{r} 501 \\ + 146 \\ \hline \end{array}$$

$$\begin{array}{r} 723 \\ + 135 \\ \hline \end{array}$$

$$\begin{array}{r} 535 \\ + 403 \\ \hline \end{array}$$

$$\begin{array}{r} 321 \\ + 425 \\ \hline \end{array}$$

$$\begin{array}{r} 602 \\ - 314 \\ \hline \end{array}$$

$$\begin{array}{r} 843 \\ - 153 \\ \hline \end{array}$$

$$\begin{array}{r} 470 \\ - 205 \\ \hline \end{array}$$

$$\begin{array}{r} 356 \\ - 158 \\ \hline \end{array}$$

$$\begin{array}{r} 537 \\ - 463 \\ \hline \end{array}$$

$$\begin{array}{r} 405 \\ + 273 \\ \hline \end{array}$$

$$\begin{array}{r} 427 \\ + 351 \\ \hline \end{array}$$

$$\begin{array}{r} 618 \\ + 230 \\ \hline \end{array}$$

$$\begin{array}{r} 426 \\ + 351 \\ \hline \end{array}$$

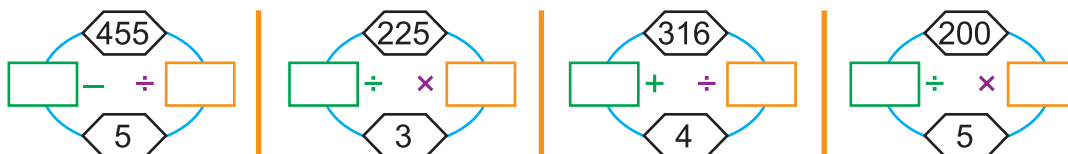
$$\begin{array}{r} 755 \\ + 155 \\ \hline \end{array}$$

52. Deňlikleriň dogry bolmagy üçin nähili amallardan peýdalanýarys?

$$\begin{array}{l} 324 \bigcirc 3 = 900 \bigcirc 72 \\ 644 \bigcirc 56 \bigcirc 100 = 800 \\ 90 \bigcirc 8 \bigcirc 90 = 810 \end{array}$$

$$\begin{array}{l} 472 \bigcirc 4 = 439 \bigcirc 321 \\ 656 = 150 \bigcirc 4 \bigcirc 56 \\ 455 \bigcirc 235 = 220 \bigcirc 1 \end{array}$$

53. Amallary ýerine ýetirýäris.



54. Hasaplaýarys.

$$\begin{array}{r} 333 \\ 125 \\ + 402 \\ \hline \end{array}$$

$$\begin{array}{r} 457 \\ 317 \\ + 180 \\ \hline \end{array}$$

$$\begin{array}{r} 175 \\ 352 \\ + 209 \\ \hline \end{array}$$

$$\begin{array}{r} 402 \\ 156 \\ + 264 \\ \hline \end{array}$$

$$\begin{array}{r} 152 \\ 332 \\ 267 \\ + 53 \\ \hline \end{array}$$

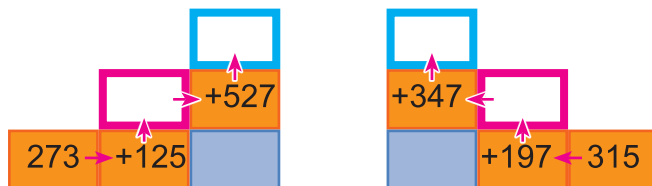
$$\begin{array}{r} 279 \\ 226 \\ 247 \\ + 103 \\ \hline \end{array}$$

$$\begin{array}{r} 327 \\ 231 \\ 180 \\ + 75 \\ \hline \end{array}$$

$$\begin{array}{r} 176 \\ 437 \\ 209 \\ + 155 \\ \hline \end{array}$$

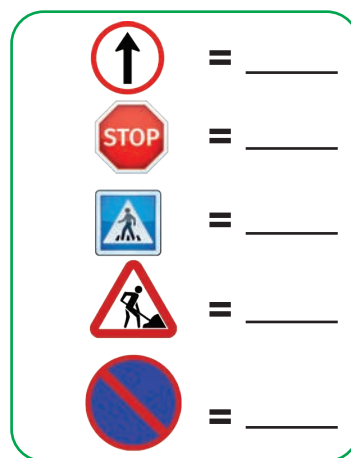
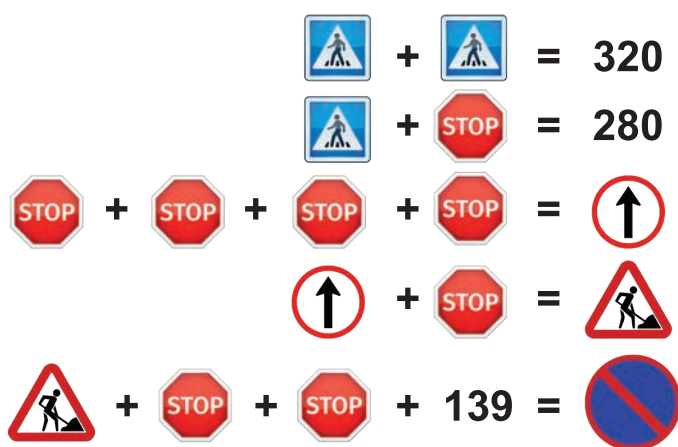
GOŞMAÇA ÝUMUŞLAR

1. Dostymyz bilen bilelikde işleýäris. Kim çalasyn?

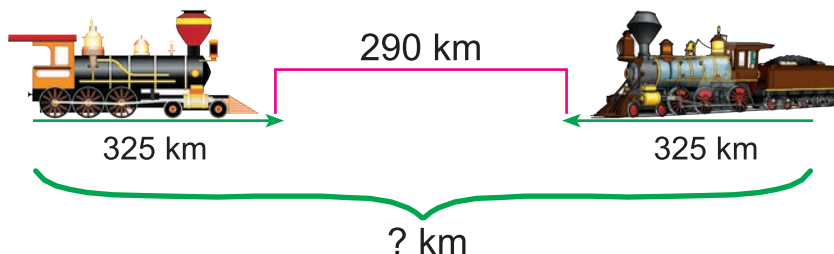


2. Tokaý hojalygynyň işgärleri 124 düýp inñeýaprakly agaç we ondan 88 düýp köp çybygy ekdi. Jemi näçe sany nahal ekildi?

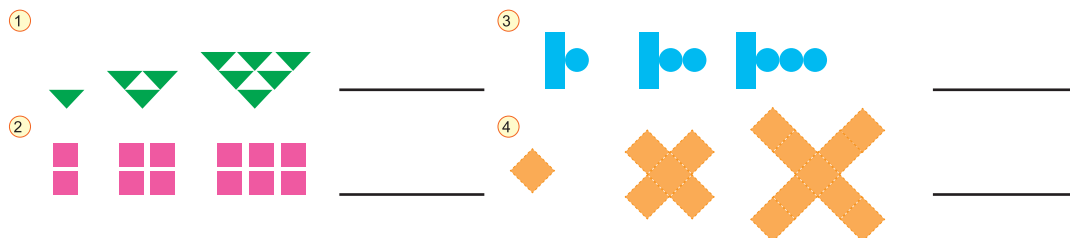
3. Her şekile laýyk gelýän sany tapýarys.



4. Otlular bir hil tizlikde hereket edýän bolsa, olar jemi näçe aralygy basyp geçipdir?



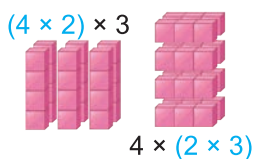
5. Yzygiderligi dowam edýäris.



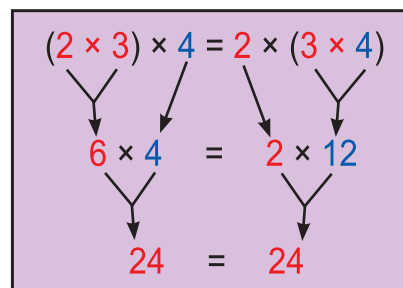
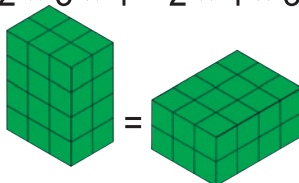
6. Hasaplaýarys.

$\begin{array}{r} 438 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 175 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 216 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 101 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 248 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 117 \\ \times 6 \\ \hline \end{array}$
--	--	--	--	--	--

7. Nusga esasynda köpeltmek hasylyny tapýarys.



$$2 \times 3 \times 4 = 2 \times 4 \times 3$$



$$16 \times 7 \times 5 = (16 \times 5) \times 7 = 80 \times 7 = ?$$

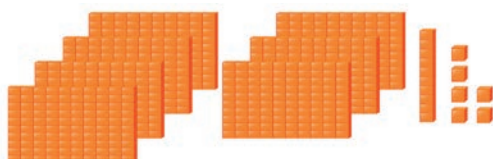
$$5 \times 25 \times 4$$

$$12 \times 9 \times 5$$

$$15 \times 7 \times 8$$

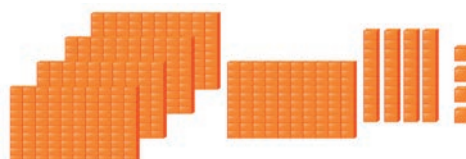
$$24 \times 2 \times 5$$

8. Modeller haýsy sany aňladýar?



617
176

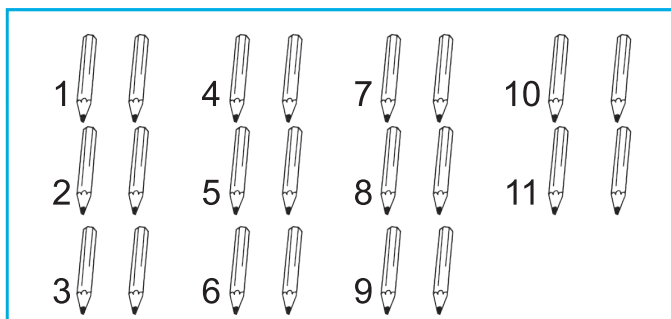
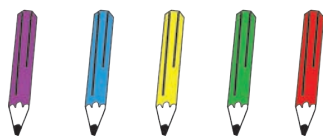
716
761



418
544

508
454

9. Galamlary iki sanydan edip şeýle ýerleşdiriň welin, jübütliklerde galamlar reňki gaýtalanmasyn.



10. Hasaplaýarys.

$$80 \overline{) 10}$$

$$30 \overline{) 10}$$

$$40 \overline{) 10}$$

$$50 \overline{) 10}$$

$$90 \overline{) 10}$$

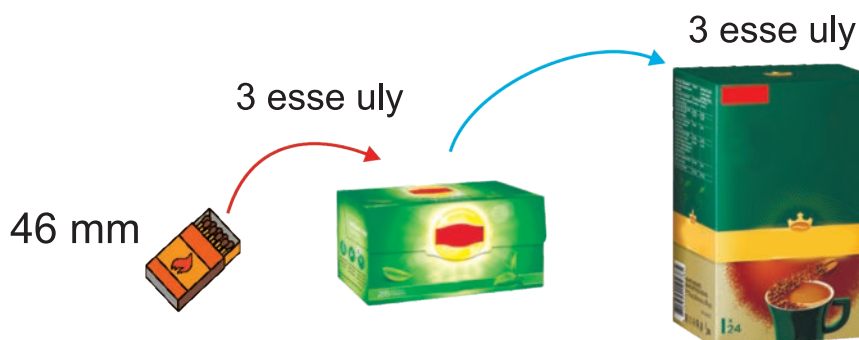
$$10 \div 10$$

$$60 \div 10$$

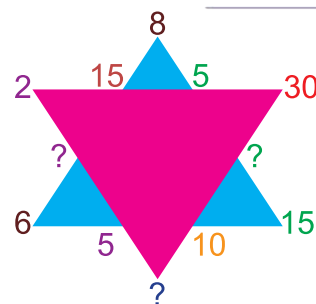
$$20 \div 10$$

$$70 \div 10$$

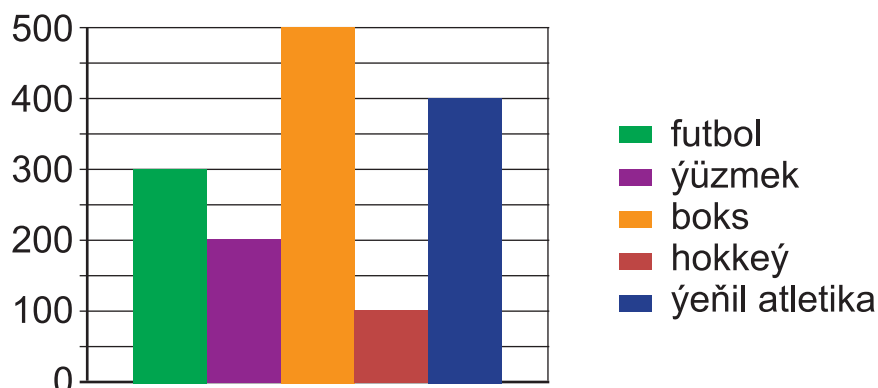
11. Kofe gutusy gügürt gurysyndan näçe esse uly?



12. Şekli çyzýarys we üçburçlyklar sanyny sanaýarys. Her bir üçburçlygyň uçlaryndaky sanlaryň köpeltmek hasyly birmeňzeş bolsa, näbelli sanlary tapýarys.



13. Diagrammadan peýdalanyň sport klubyna agza okuwçylaryň sanyny anyklaýarys. Iň köp okuwçy agza sport görnüşinden iň az gatnaşýa bolsa, sport görnüşini näçe esse az we näçä az?



14. Hasaplaýarys.

$$348 + 271 \times 2$$

$$729 \div 9 + 87 \times 3$$

$$346 \times 2 + 234 \div 3$$

$$873 \div 3 + 495$$

$$565 \div 5 + 123 \times 4$$

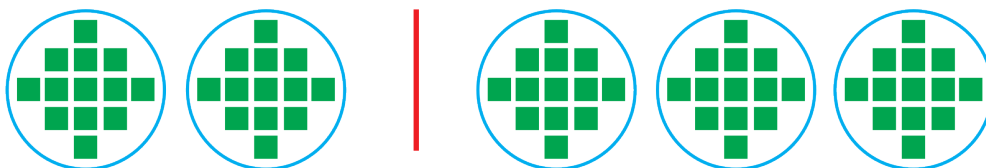
$$985 \div 5 + 651 \div 7$$

$$1000 - 576 \div 4$$

$$184 \div 4 + 876 \div 6$$

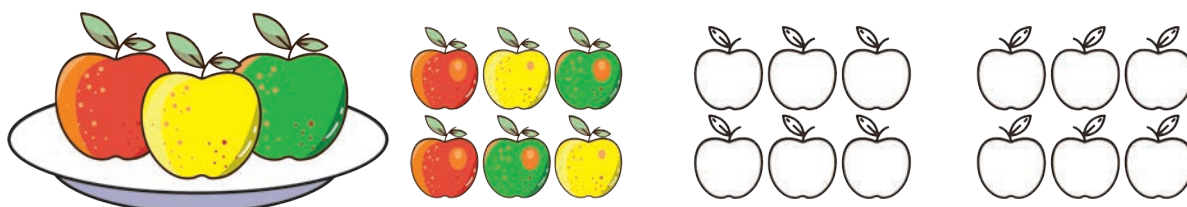
$$999 \div 9 \times 5 + 445$$

15. Kwadratlar nähili toparlara bölünen? Jemi kwadratlar näçe?

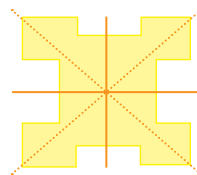
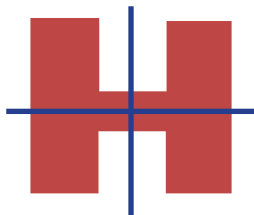


Jemi kwadrlarny ýene nähili toparlara bölmek mümkin?

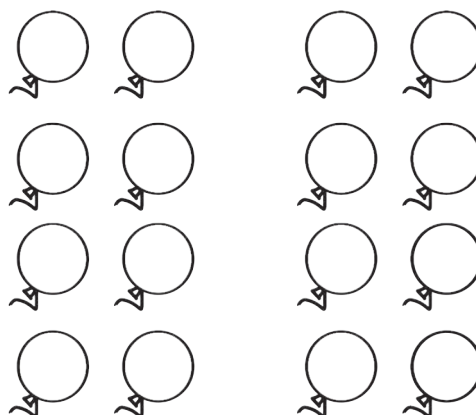
16. Almalaryň reňki 2 gezek gaýtalanmaýan şekilde, yzygiderlikde ýerleşdirýäris.



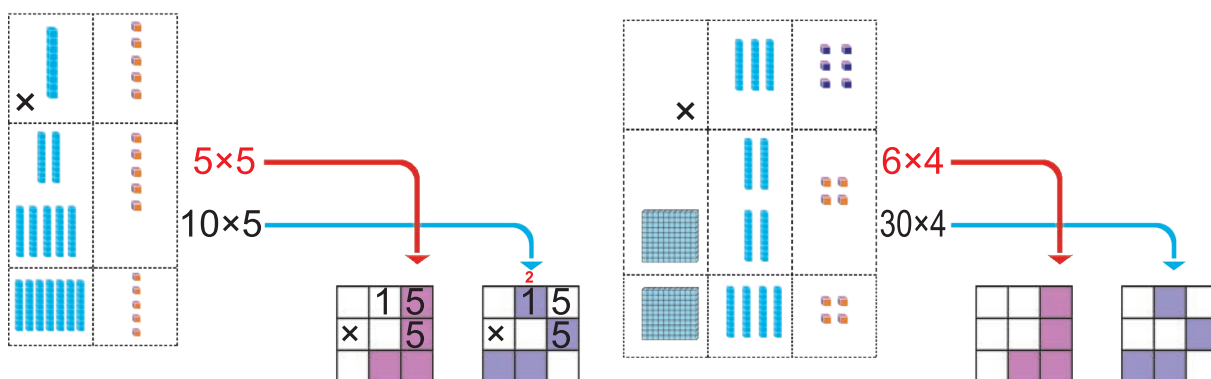
16. Her bir şekildäki simmetrik bölekleri anyklaýarys.



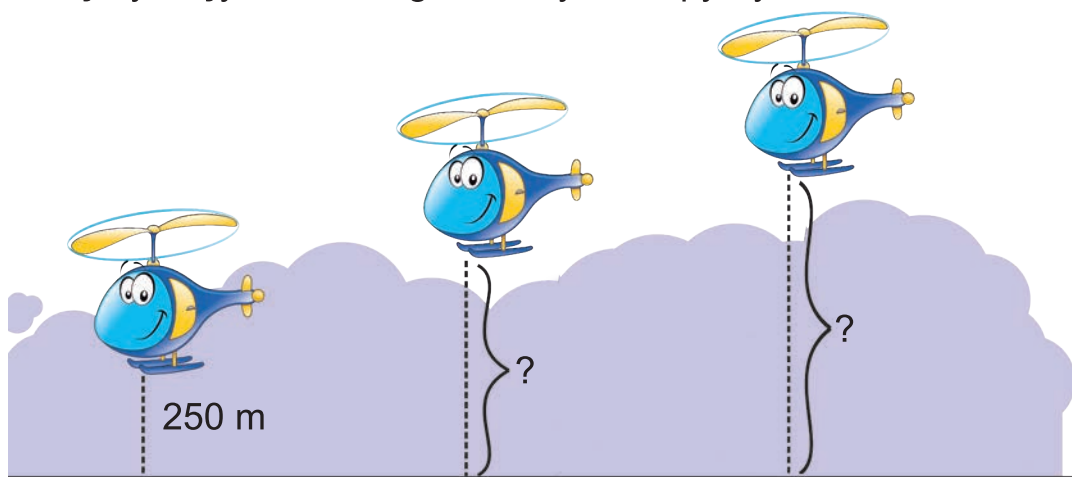
17. Şekilleri reňki gaýtalanmaýan ýagdaýda iki sanydandan ýerleşdirýäris.



18. Köpeltmek hasyllary nämä deň?



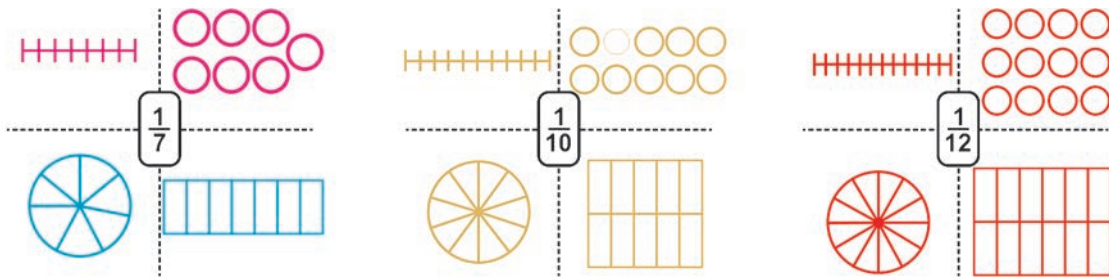
19. Dik uçaryň uçýan belentligini takmynan tapýarys.



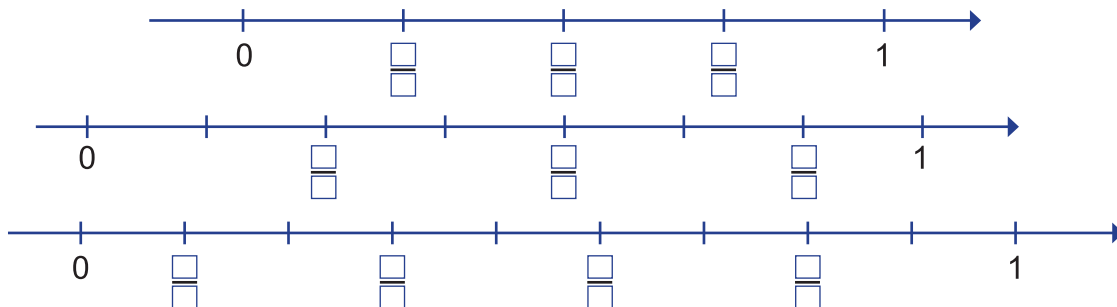
20. Netijeler nämä deň? Nähili netijä geldiňiz?

$$\frac{6}{7} - \frac{1}{7} \rightarrow ? \quad - \frac{2}{7} \rightarrow ? \quad - \frac{1}{7} \rightarrow ? \quad \frac{6}{7} - \frac{4}{7} \rightarrow ?$$

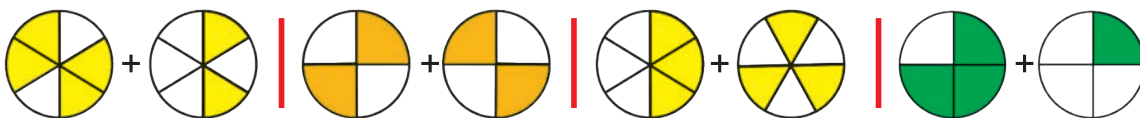
21. Şekilleri çyzýarys we droblara deň bölegini boýaýarys.



22. Boş öýjükleri doldurýarys.



23. Modeller esasynda aňlatmalary düzüp, hasaplaýarys.



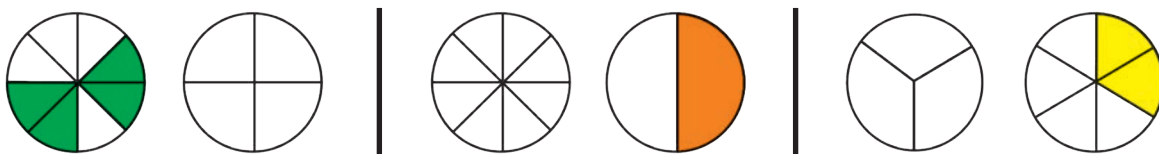
24. Hasaplaýarys we boýaýarys.



25. Nokatlara laýyk droblary ýazýarys.



26. Tegelekleri boýap deň droblary emele getirýäris.



27. 26 halta un bar. Her bir halta 3 kg dan bolsa, jemi näçe kilogram un bar? 1 sany haltadaky undan 9 sany çörek taýýarlansa, jemi undan näçe sany çörek taýýarlamak mümkin?

28. Hasaplaýarys.

$$1 \times 8 + 25 \times 10 - 3 + 23$$

$$1 \times 4 + 12 \times 8 \div (2 \times 3)$$

$$(27 + 5) \div 32 + 9 \times 10 \times 1$$

$$7 \times (1 + 39 - 40) \div 31 \div 85$$

$$15 + 34 \times (7 \times 7) \times 4 \times 6$$

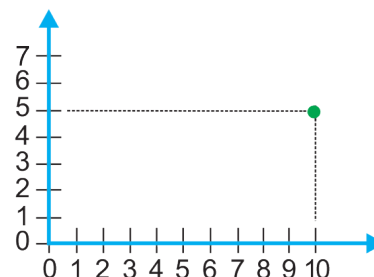
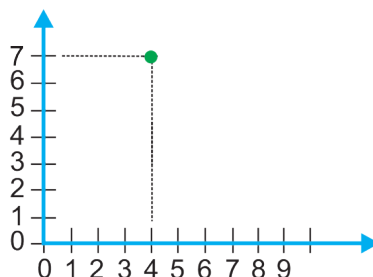
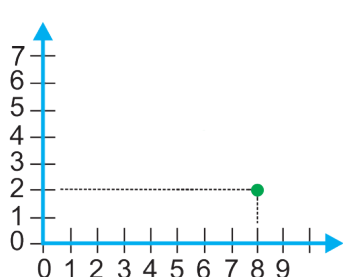
$$(18 + 27) \div 5 \times 3 + 1 - 10$$

29. 3 sany köke taýýarlamak üçin 75 gram şeker gerek bolýar. 10 sany köke taýýarlamak üçin näçe şeker gerek?

30. Ketekde iki hil ýumurtga bar. Uly ýumurtganyň agramy 56 g we 8 sany, kiçi ýumurtga bolsa 47 g we 9 sany. Ähli ýumurtgalaryň agyrlıgy näçe?

31. Kärhanada garaly şerbeti taýýarlanýar. Eger bir günlük şerbet üçin 250 L suw we 15 L şire gerek bolsa, 2 günlük şerbet taýýarlamak üçin näçe suw we erik şiresi gerek?

32. Gorizontal we wertikal çyzyklarda ýerleşen sifrleri belleýäris.



33. Koordinatalar burçynda harplary belgileýäris.

$$K = (3; 1)$$

$$L = (2; 3)$$

$$M = (5; 5)$$

$$O = (12; 8)$$

$$P = (10; 7)$$

$$Q = (1; 6)$$

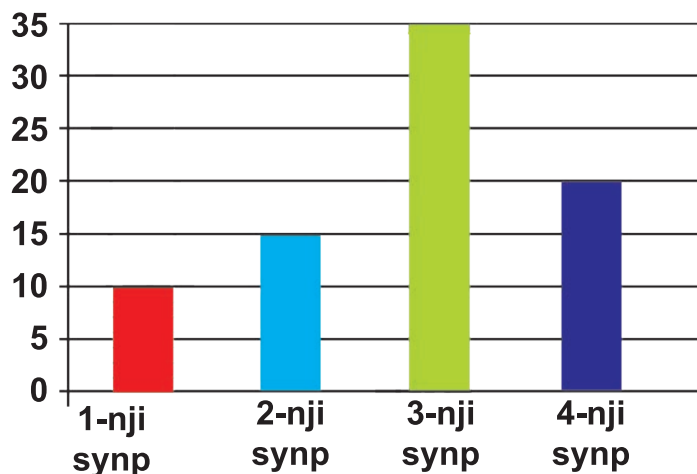
$$R = (9; 9)$$

$$S = (5; 7)$$

34. Diagramma easynda soraglara jogap berýäris.

Okuwçylar bir aý dowamynda kitaphanadan alyp okan kitaplarynyň sanyny synplar boýunça derňew edýäris.

- 1-nji synp okuwçylary näçe sany kitap okan?
- Bu iň köp kitap okalan synpdan tapawut edýär?
- Haýsy synp 20 sany kitap okan?
- Bir aýda jemi näçe sany kitap okalypdyr?

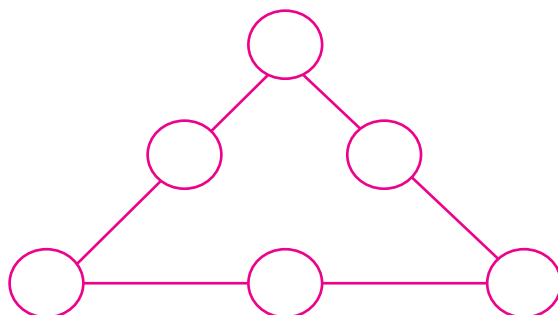


GYZYKLY WE LOGIKI ÝUMUŞLAR

1. 1-den 100-e çenli sanlaryň içinde näçe gezek 9 sifri gatnaşar?

2. P – Q nyň uýasy; R – S nyň jigisi; Q – R nyň ejesi;
T – S nyň atasy; P – S bilen nähili bagly?
a) daýysynyň çagasy b) ýegeni
c) daýzasy d) meseläni çözüp bolmaz

3. 1 den 6-a çenli sifrleri (gaýtalamazdan) dolduryň, şonda jadyly üçburçlygyň her bir tarapyndaky sanlar jemi 12-ä deň bolar.



4. Uzynlygy 300 metr bolan matany satyjy her bir müşderä 3 metrdan satdy. Satyjy müşderilere näçe gezek mata satan?

5. Jasur jaýlar 1-den 74 çenli nomerlenen köçede ýaşaýar. Onuň köçesindeki jaýlaryň nomerinde 7 näçe gezek duşýar?

6. Nädip 3 sany – sanyň jemi olaryň köpeltmek hasylyna deň bolar?

7. 1-den 60-a çenli bolan sanlaryň içinde 5 sifri näçe gezek duşýar?

8. 4 sany baş sifri we arifmetik yşaratlaryň kömeginde 100-i emele getiriň.

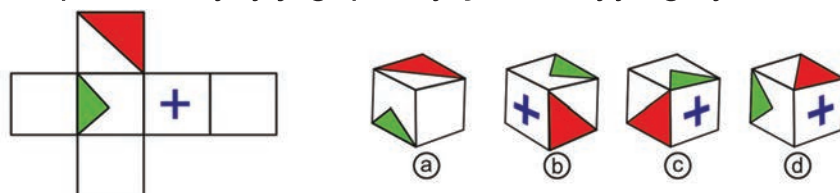
9. Tereziniň 1 pellesine 1 sany bütün kerpiç, 2-nji pellesine bolsa, edil şeýle kerpijiň ýarysy we 1 kg-ly daş goýup, terezi deňlendi. 1 sany kerpijiň agyrllygy näçe?

10. Çagalar hozlary bölüp almakçy. Eger olar bir sanydan hoz alsa, bir sany hoz artyp galar. Iki sanydan alsalar bir sany çaga hoz ýetmeýär. Hany aýdyň, näçe sany çaga we näçe sany hoz bar?

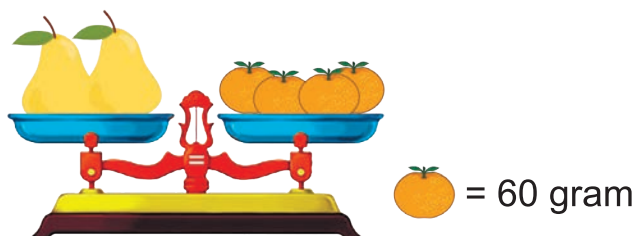
11. Penjire sütünleriniň aralygy 5 metr. 500 metr aralykdaky meýdana penjire ýerleşdirmek üçin näçe sany sütün gerek bolar?

12. Iki sanyň köpeltmek hasyly 18 bolýar. Bu sanlaryň ulysyny kiçisine bölende 18 çykdy. Bu sanlary tapyň.

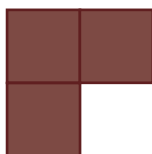
13. Berlen tertipsizlik haýsy jogapdaky şekile laýyk gelýär?



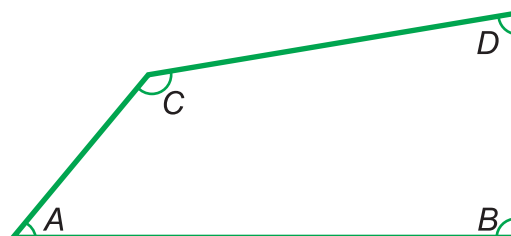
14. Iki sany armydyň agramy 4 sany mandarin agramyna deň. 1 sany armydyň agramy näçe?



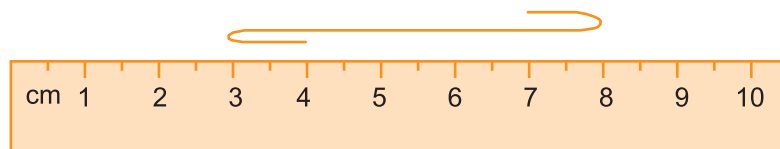
15. Şokolad dogry dörtburçlyk şekilindedi. Bu şokoladyň çäryk bölegi suratda görkezilen. Depdere şokoladyň doly suratyny çekiň.



16. Aşakdaky suratda «A, B, C» we «D» nokatlar getirilen şekiliň depeleridir. Bu şekiliň haýsy burçlary ýiti burç?

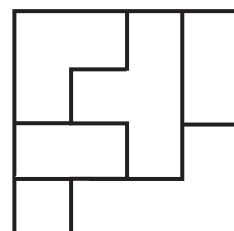


17. Eger aşakdaky suratda şekillendirilen sim bölegi dogry şekile getirilse, onuň uzynlygy näçe santimetre golaýrak bolar?



18. Otly Samarkant şäherinden irden sagat 8:45 ugrap gidýär. Ol Daşkent şäherine barmak üçin 2 sagat 18 minut wagt sarplady. Otly Daşkente sagat näçede ýetip geler?

19. Sag tarapdaky kwadrat kiçi bölekler bölündi. Jogaplardan haýsysy emele gelen böleklerden biri däl?



20. Aşakda bir köşgün uzakdan görnüşi berlen:



Aşakdakylardan haýsy biri oňa degişli bölek bolup bilmez?



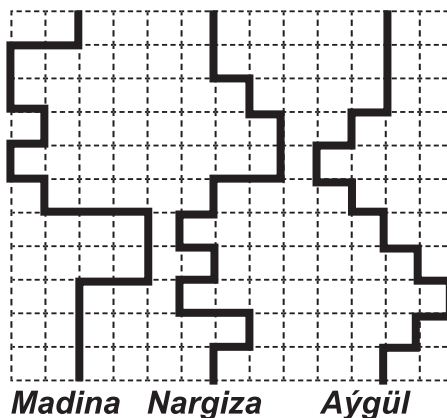
21. Iň kiçi iki belgili sana 17-ni goşup, jemi iň uly bir belgili sana goşanymyzda, nähili san emele gelýär?

22. Tereziniň çep tarpynda 6 sany pyrtykal we sag tarapynda 2 sany gawun dur. Eger pyrtykallaryň ýanyna 1 sany gawun goýsak, iki tarap deňleşýär. Mundan netije alsak, 1 sany gawunyň agyrlыgy näçe sany pyrtykalyň agyrlыgyna deň?

23. Çyzyklar boýunça kim çalasyn ýaryşynda Madina, Nargiza we Aýgül suratda görkezilen şekilde ylagadylar. Olaryň tizlikleri birmeňzeşdi.

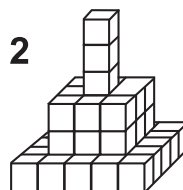
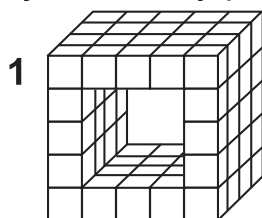
Haýsy söz çyn?

- Madina we Aýgül bir hil wagtda ýetip gelen.
- Nargiza 1-nji oruny alan.
- Aýgül soňky bolan.
- Üçüsi hem bir wagtda ýetip gelen.
- Madina we Nargiza bir hil wagtda gelen.



24. Ýasmina, Kamila, Sewara we Hilolalaryň doglan günleri 1-nji mart, 17-nji maý, 20-nji iýul we 20-nji martda. Kamila we Sewara bir hil aýda doglan. Ýasmina we Sewaranyň doglan günleriniň senesi bir günde, emma dürli aýlarda. Kimiň doglan günü 17-nji maýda?

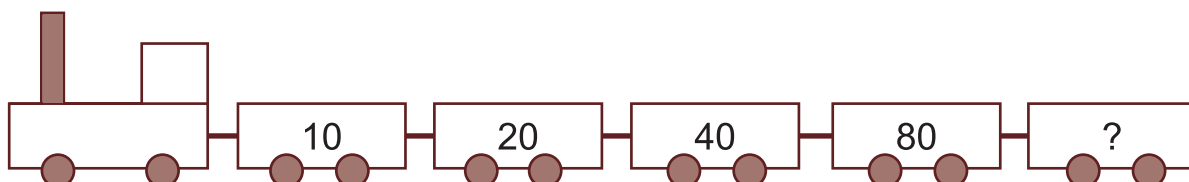
25. Rustam kiçi kubjyklardan 1-nji suratdaky tuneli ýasady. Mundan soň ol tuneli bozup, 2-nji suratdaky piramidany gurdy.



Piramidany gurmak üçin tuneldäki näçe sany kubjagaz ualnylmandyr?

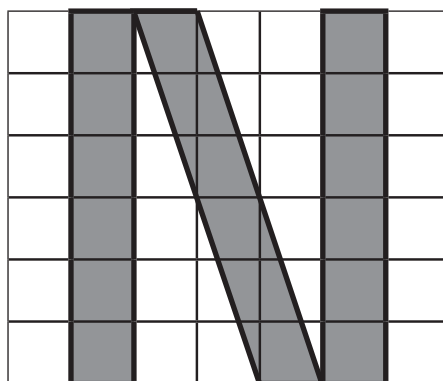
26. 1-den 9-a çenli sifler bar. Abdulla üçin 7, 2 we 4 sifrleri; Munisa üçin 6, 5 we 1 sifrleri; Firdaws üçin bolsa 8, 3 we 9 sifrleri berildi. Olaryň her biri 4 sany amal (goşmak, aýyrmak, köpeltmek we bölmek) we her bir sifri bir gezekden ulanmak mümkin. Kim 20 sanyny emele getirip bilmeýär?

27. Yzygiderlikdäki soňky sany tapyň.

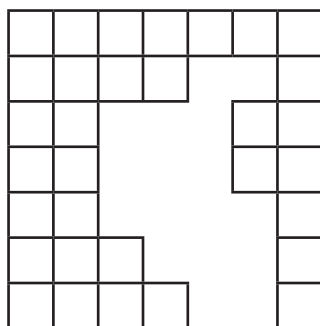


28. Hadyça 21:30 uklady we irden 06:45 turdy. Onuň agasy Maksut bolsa Hadyçadan 1 sagat 50 minut köpräk uklady. Maksut näçe sagat, näçe minut uklaýar?

29. Eger her bir öýjügiň uzynlygy 1-e deň bolsa, «N» şekiliniň ýüzüni tapyň.



30. Haýsy 2 sany şekiliň içi boş kwadrata ýerleşdirenimizde, bu kwadrat dolar?

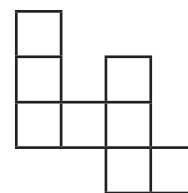
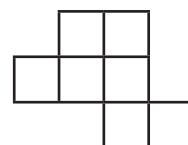
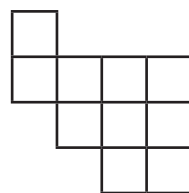
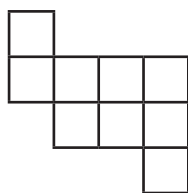


1

2

3

4



31. Jemşit uýasy doglanda 4 ýaşda-dy. Bu gün ol 9 ýaşda dolýar. Indi aga-uýa ýaşlarynyň aratapawudy näçä deň?

32. 671 – 389 tapawut aşakdakylardan haýsylaryna deň däl?

771 – 489

681 – 399

669 – 391

187 – 158

600 – 318

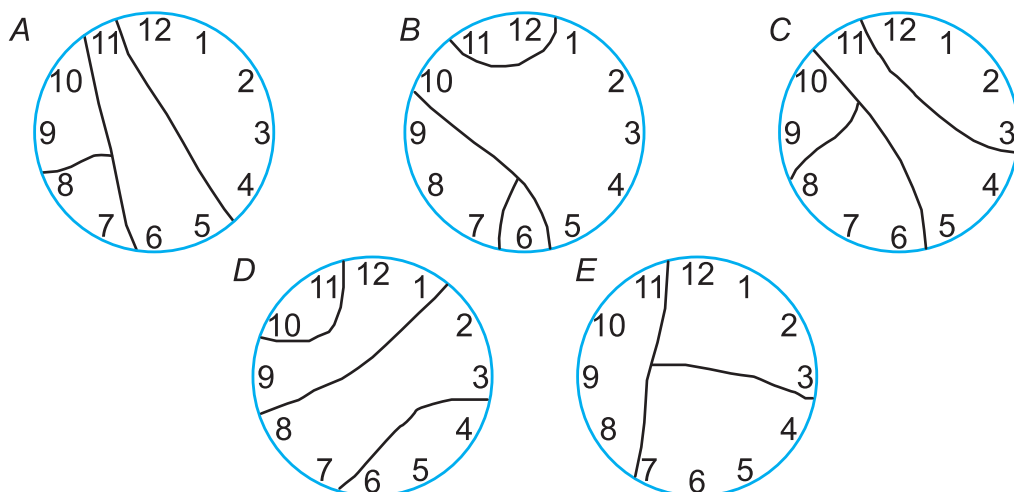
33. Abdukerim käbir sahypalary ýiten köne kitap tapdy. Çep tarapdaky sahypada 24 diýip, sag tarapdaky sahypada bolsa 45 diýip nomerlenen. Bu iki sahypalaryň arasynda näçe sany sahypa ýitipdir?

34. 2×2 öýjüklerdäki 4 sany kwadratyň her birinde bir sanydan san bar. Birinji hatardaky sanlaryň jemi 3, ikinji hatardaky sanlaryň jemi bolsa 8-e deň. Eger 1-nji sütünäki sanlaryň jemi 4 bolsa, 2-nji sütünäki sanlaryň jemini tapyň.

35. Baburda 147 som, Lobarda bolsa 57 som bar. Babur Lobara näçe som berende, özüniň pullary Lobaryňkydan iki esse köp bolar?

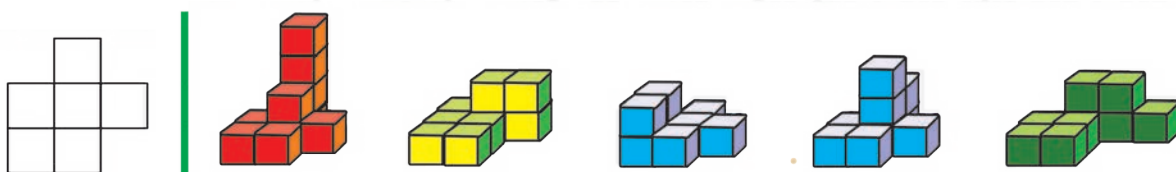
36. Doglan güninde Temura dostlary 10 sany reňkli galam, 3 sany oýnawaç maşyn, 4 sany pökgi, 1 sany kitap, 3 sany aýyjk we 2 sany şokolad sowgat etdiler. Oňa jemi näçe sany zat sowgat edilipdir?

37. Töwerek sagat 4 sany bölege bölünen. Her bir bölekdäki sanlaryň jemi yzygider sanlar. Aşakdakylardan haýsysy bu bölünişi aňladýar?



38. Malika öýden 06:55 çykyp gidýär we mekdebe 07:32 ýetip gelýär. Onuň dosty mekdebe 07:45 ýetip gelýär we öýi Malikanyň öýünden golaýrak bolany üçin ýola Malikadan 12 minut azrak wagt sarp edýär. Malikanyň dosty öýünden sagat näçede çykýar?

39. Aziza poluň üstüne 9 sany kubdan şekil ýasady. Soň ol şekiliň ýokardan görnüşini çekdi. Haýsy şekil ýasalypdyr?

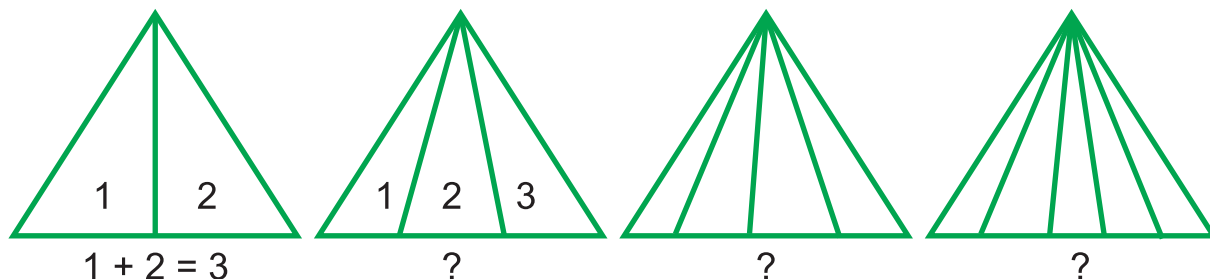


40. Sanly aňlatmanyň jemini tapyň:

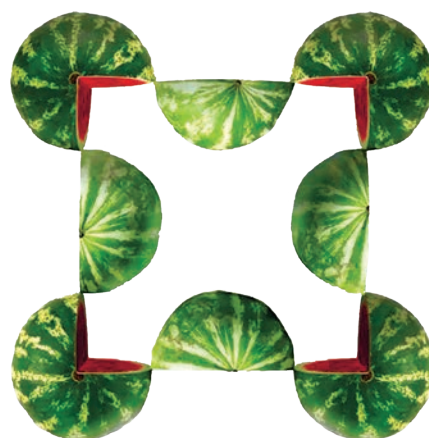
$$1 + 1 \times 1 - 1 \div 1 + (1 + 1 - 1) \div 1 + 1 - (1 - 1)$$

$$1 \div 1 + 1 + 1 \times (1 + 1 \div 1 - 1) \times 1 + 1 - 1 \div (1 + 1 \times 1 - 1)$$

41. Şekillerde näçe sanydan üçburçlyk bar?

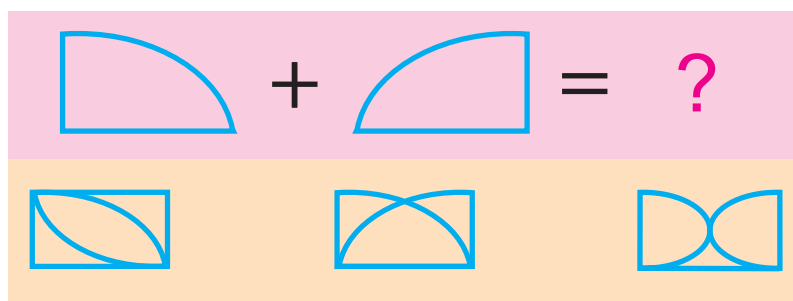


42. Garpyzlaryň sany näçe?

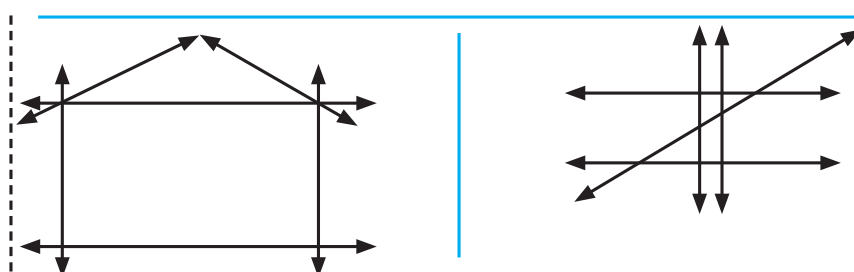


43. Akmal ýaşayan şäher kartasynda bazar C2 koordinataly öýjüde ýerleşen. Dükän F4 koordinataly öýjüde ýerleşen. Koordinata burçynda bazar we dükanyň ýerini çyzýarys.

44. Iki sany şekil üstme-üst düşen jogaby anyklaýarys.



45. Perpendikulýar we parallel çyzyklary anyklaýarys.



HALKARA BAHALANDYRMAK MAKSATNAMASYNA DEGIŞLI ÝUMUŞLAR

1. Şäherdäki bir dükanjykda markalar satyldy. Haýwan şekili düşürlen 1 sany markanyň bahasy multfilm gahrymanlary suraty bar markanyň iki sanysyna deň. Haýwan şekili düşürlen 2 sany markanyň bahasy sport oýunlary şekili bar markanyň üç sanysyna deň. Birnäçe sany çaga şol dükandan marka haryt etmäge girdi.

Markalar haryty boýunça soraglara jogap berýäris:

A. Barnada haýwan şekili düşürlen 5 sany marka bar. Ol multfilm gahrymanlary suraty bar markalardan näçe sanysyny almagy mümkin?

B. Azizada haýwan şekili düşürlen 8 sany marka bar. Ol sport oýunlary şekili bar markalardan näçe sany almagy mümkin?

D. Karimada haýwan şekili düşürlen 6 sany marka bar. Ol bu markalaryň öwezine mümkin boldugyna görä marka almakçy. Ol multfilm gahrymanlarynyň suraty bar markalardan näçe sany almagy mümkin?

2. Gämide 218 sany ýolagçy we 191 sany ekipaž agzasy bar. Bu gämide jemi näçe adam bar?

3. Futbol ýaryşynda toparlar aşakdaky oçkolary topladylar:

Ýeňiş üçin – 3 oçko;

Deňbe-deňlik üçin – 1 oçko;

Ýeňliş üçin – 0 oçko.

«Bunýodkor» topary 11 oçko toplan.

«Bunýodkor» topary bu oçkony toplamak üçin iň azynda näçe sany oýun geçiren bolmagy mümkin?

4. Maftuna mekdepden ýola çykyp, 9 minut dowamynda bir hil tizlikde 540 metr aralygy basyp geçdi. Maftuna bu tizlik bilen, 1 minutda näçe metr ýöräpdir?

5. Kamiljan kükürt çöplerden 4 sany şekil ýasamaly. 1-nji şekili ýasamagy üçin oňa dört sany, 2-nji şekili ýasamagy üçin ýedi sany we 3-nji şekili ýasamagy üçin on sany kükürt çöpi gerek boldy. Bu yzygiderlikde 4-nji şekili ýasamak üçin Kamiljana näçe sany kükürt çöpi gerek boldy? Kamiljana ähli şekilleri ýasamak üçin näçe sany kükürt çöpi gerek bolar?

6. Mekdepdäki oýun meýdançasyny kwadrat şekile eýe. Onuň tarapy uzynlygy 100 metre deň. Rustam bu oýun meýdançasynyň taraplary boýlap doly aýlanyp çykdy. Ol näçe ýol ýöräpdir?

7. Jawlan bir şekili çyzdy. Bu şekil 5 sany tarap we bir sany simmetriýa okyna eýe. Jawlan nähili şekil çyzdy?

8. Haýsy tagamdaky doňdurmany näçe çaga gowy görýär? Bir sany tegelek 4 sany çagany aňladýar.

Tagam	Çagalar sany
Wanilin	● ● ●
Şokolad	● ●
Ýertudana	●
Limon	● ● ● ●

9. Boýag 5 litrli gaplarda satylýar. Şakir üçin 37 litr boýag gerek. Ol näçe sany gap boýag satyp almaly?

10. Tahyr tordun $\frac{1}{2}$ bölegini, Jawlon bolsa şol tordun $\frac{1}{4}$ bölegini iýdi. Olar bilelikde tortdyň näçe bölegini iýipdirler?

11. Basketbol oýunyna satylan mun sany bilet 1 den 1000-e çenli sanlar bilen nomerlenen. Nomerlenmägi 12 bilen gutaran biletleriň eýeleri sowgada eýe bolýarlar. Ähli sowgatly bilet nomerlerini ýazyň.

12. Jedwelde görkezilen gerekli önümler 6 adam üçin niýetlenen süýji reseptinden ybarat. Samad bu reseptden peýdalanyň, üç adama süýji taýýarlamak. Samad 3 adama süýji taýýarlamagy üçin gerekli önümleriň mukdaryny aşakdaky jedwel esasynda hasaplaň.

Gerekli önümler	
Ýumurtga	4
Un	8 stakan
Süýt	$\frac{1}{2}$ stakan

13. Karimbegiň elindäki ruçkalaryň sanyny ▲ sany diýip belläp alýarys. Karimbegiň dosty Şoislom oňa ýene 3 sany ruçka berdi. Indi Karimbekde näçe sany ruçka bardygyny aňladyň.

- A) $3 \div \blacktriangle$ B) $\blacktriangle + 3$ C) $\blacktriangle - 3$ D) $3 \times \blacktriangle$

14. 600 sany kitaby 5 sanydan kitap sygyňan gutulara ýerleşdirip çykmany. Ähli kitaplar üçin zerur bolan gutularyň sany näçe?

15. 9×22 köpeltmäge iň golaý bolan jogaby belläň.

- A) 5×20 B) 5×25 C) 10×20 D) 10×25

O'quv nashri

Lolaxon O'rinboyeva, Shuxrat Ismailov, Xolmirza Yusupov,
Nigora Ruzikulova, Umid Raxmonov, Shahlo Haqberdiyeva,
Nargiza Yusupova, Aziza Baymanova

MATEMATIKA

Umumiy o'rta ta'lim maktablarining 3-sinfi uchun darslik
(Turkman tilida)

Terjime eden Aýnura Alymjanowa
Redaktor Şahnoza Ahmedowa,
Çeper redaktor Sarwar Farmanow
Suratçy Umid Suleýmonow
Dizaýner Dilmurod Mulla-Ahunow
Tehniki redaktor Akmal Suleýmanow
Sahypalaýjy Şahobiddin Mahmadiýew,
Korrektor Şahnoza Ahmedowa

Çap etmäge 06.05.2022 da rugsat edildi. Möçberi 60x84 1/8.
Arial garniturasý. Kegli 14 şponly.
Ofset usulynda çap edildi. Şertli çap listi 22,32.
Neşirýat – hasap listi 22,41.
000 000 nusgada çap edildi. Buýurma № 0000.

Kärendesine berlen dersligiň ýagdaýyny görkezýän jedwel

No	Okuwçynyň ady, familýasy	Okuw ýyly	Dersligiň alnandaky ýagdaýy	Synp ýolbaşçysynyň goly	Dersligiň tabşyrylandaky ýagdaýy	Synp ýolbaşçysynyň goly
1.						
2.						
3.						
4.						
5.						
6.						

Derslik kärendesine berlip, okuw ýylynyň ahyrynda gaýtarylyp alnanda ýokardaky jedwel synp ýolbaşçysy tarapyndan aşakdaky baha bermek ölçeglerine esaslanylyp doldurylýar:

Täze	Dersligiň birinji gezek peýdalanmaga berlendäki ýagdaýy.
Ýagşy	Sahaby бүтін, dersligiň esasy böleginden аýryлmandыр. Ähli sahypalary bar, ýyrtylmadyk, goparylмadyk, sahypalarynda ýazgylar we çyzyklar ýok.
Kanagatlanarly	Sahaby бүтін, dersligiň esasy böleginden аýryлmandыр. Ähli sahypalary bar, ýyrtyлмadyk, goparylмadyk, sahypalarynda ýazgylar we çyzyklar ýok.
Kanagatlanarsyz	Kitabyň daşy çyzyлан ýyrтылан, esasy böleginden аýрылан ýа-da бүтінleý ýok, kanagatlanarsyz abatланан. Sahypalary ýyrтылан, sahypalary yetişmeýär, çyзылып таşланан. Dersligi dikeldip bolmaýar