

K'OT'OK IKA

100 bidfetso beyiru s'en taawotsi dabonat k'awona.

1.1 20 bodfetso beyiru s'en taawotsi dabonat k'awuna er

100 bodfetso beyiru s'en taawotsi shuuts aanar s'ila

1.1.1. 20 bodfetso beyiru s'en taawotsi dabonat k'awona

A/ 20 bodfetso beyiyu s'en taawotsi dabon shuuts aanar

s'ila

$\begin{array}{|c|} \hline \circ \circ \\ \circ \circ \\ \hline \end{array} + \begin{array}{|c|} \hline \circ \circ \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$
 $\begin{array}{|c|} \hline \circ \circ \circ \\ \circ \circ \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} = \begin{array}{|c|} \hline \circ \circ \circ \\ \circ \circ \circ \\ \hline \end{array}$
 $\begin{array}{|c|} \hline \circ \circ \circ \\ \circ \circ \circ \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} = \begin{array}{|c|} \hline \circ \circ \circ \circ \\ \circ \circ \circ \circ \\ \hline \end{array}$
 $\begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \circ \circ \circ \\ \circ \circ \\ \hline \end{array} = \begin{array}{|c|} \hline \circ \circ \circ \circ \circ \\ \circ \circ \circ \circ \circ \\ \hline \end{array}$

A	E	A+E
3	5	
6	4	
11	5	
4	14	
5	15	

Terwer 1

1. Haniye dash beyiru s'een taawotsi dabeyiruwotsn badide

k'o'er (gud'er),

Ariya:- $4 = 0+4$

$$4 = 1+3$$

$$4 = 2+2$$

$$4 = 3+1$$

$1/ 3$

$2/ 6$

$3/ 7$

$4/ 8$

$5/ 9$

$6/ 12$

$7/ 10$

$8/ 0$

2. Haniye dashi beyoki baashotsi s'eentsuwer.

Ariya:- $1/ 2+4 = 6$ 2 nat 4 dabeyiruwotsi 6 nmo jamoni

(wokin bogiti dabeyor bi'iimetuwoni)

$2/ 3+5 = 8$ 3 nat 5 dabeyiruwotsi 8 nmojamoni

(wokin bogiti dabeyor bi'iimetuwoni)

$1/ 2+3 =$ _____ dabeyiruwots _____ nat _____

$2/ 3+4 =$ _____ dabeyiruwots _____ nat _____

$3/ 4+6 =$ _____ dabeyiruwots _____ nat _____

$4/ 6+7 =$ _____ dabeyiruwots _____ nat _____

$5/ 9+10 =$ _____ dabeyiruwots _____ nat _____

3/ dabon fiinar jandotsi beyoki baashotsi s'eentsuwer

+	0	1	2	3	4	5	6	7	8	9	10
0											
1		2									
2											
3				6							
4											
5						10					
6											
7											
8								15			
9											
10											20

Dabi niwa

Ariya:- A/ $4+5 = 9$, $5+4 = 9$

I/ $7+3 = 10$, $3+7 = 10$

T'iwitsuwer

Git dabeyiru s'een taawots dabeyor bo beyoko bowoniyal bi'iimetuwats (bojamats) k'osh k'osheyo doratse

Terwer 2

1/ bi'iimet dabo (bojamo) geyor

1/ $10+10 = \underline{\hspace{2cm}}$

2/ $12+3 = \underline{\hspace{2cm}}$

3/ $13+4 = \underline{\hspace{2cm}}$

4/ $16+2 = \underline{\hspace{2cm}}$

5/ $15+4 = \underline{\hspace{2cm}}$

6/ $17+3 = \underline{\hspace{2cm}}$

2/ Bi' iimet dabo geyor

1/ $2+3+5 = \underline{\hspace{2cm}}$

2/ $4+5+6 = \underline{\hspace{2cm}}$

3/ $3+9+6 = \underline{\hspace{2cm}}$

4/ $7+6+7 = \underline{\hspace{2cm}}$

5/ $6+5+3 = \underline{\hspace{2cm}}$

6/ $2+8+7 = \underline{\hspace{2cm}}$

3/ "A" k'awutso geyor

Ariya:- 1/ $3+A = 7$

A= 4 han bottsoni $3+4 = 7$

2/ $3+A = 8$

A= 5 han bwottsoni $3+5 = 8$

1/ $A+6 = 1, A = \underline{\hspace{2cm}}$

2/ $0+A = 14 A = \underline{\hspace{2cm}}$

3/ $17+A = 19 A = \underline{\hspace{2cm}}$

4/ $A+10 = 20 A = \underline{\hspace{2cm}}$

5/ $15+A = 20 A = \underline{\hspace{2cm}}$

6/ $3+6+A = 15 A = \underline{\hspace{2cm}}$

7/ $A+6+8 = 19 A = \underline{\hspace{2cm}}$

8/ $6+3 = A+8 A = \underline{\hspace{2cm}}$

S'een taawotsi nokoriya

Ariya:- 1/ $2+3 = 5$

2/ $3+4 < 8$

3/ $4+5 > 8$

Terwer 3

Haniye dashi s'een taawotsi nokoriwer

1/ $6+5 \underline{\hspace{1cm}} 11$

2/ $7+6 \underline{\hspace{1cm}} 14$

3/ $7+8 \underline{\hspace{1cm}} 16$

4/ $7+8 \underline{\hspace{1cm}} 14$

5/ $9+7 \underline{\hspace{1cm}} 13$

6/ $8+9 \underline{\hspace{1cm}} 17$

Bi/ 20 bodfetso beyiru s'een taawotsi k'awa

Ariya:- A/ $6-2 = 4$

Bi/ $7-3 = 4$

C/ $11-3 = 8$

Di/ $15-5 = 10$

T'iwitsuwer

8-3=5 etiru s'een matsi keewotse 8 bi'atse

k'aweru woni bwotora 3 kawetuwoni

5 nmo bok'osh bok'osh k'oshiyoni

Terwer 4

A/ ari aani wottso beyoki baashotsats s'eentsuwer

$1/ 11-0 = \underline{\hspace{2cm}}$

$2/ 12-1 = \underline{\hspace{2cm}}$

$3/ 13-3 = \underline{\hspace{2cm}}$

$4/ 15-3 = \underline{\hspace{2cm}}$

$5/ 12-6 = \underline{\hspace{2cm}}$

$6/ 15-4 = \underline{\hspace{2cm}}$

$7/ 16-3 = \underline{\hspace{2cm}}$

$8/ 17-3 = \underline{\hspace{2cm}}$

$9/ 16-7 = \underline{\hspace{2cm}}$

$10/ 17-6 = \underline{\hspace{2cm}}$

$11/ 17-9 = \underline{\hspace{2cm}}$

$12/ 19-4 = \underline{\hspace{2cm}}$

$13/ 19-8 = \underline{\hspace{2cm}}$

$14/ 19-9 = \underline{\hspace{2cm}}$

$15/ 20-9 = \underline{\hspace{2cm}}$

$16/ 20-10 = \underline{\hspace{2cm}}$

Bi/ Jandotse beyiru beyoki baashotsi s'eentsuwer

-	1	2	3	4	5	6	7	8	9
10									
11									
12		14							
13					8				
14									
15					9				
16									
17			14						
18								10	
19									

Ap'i kic'otsi (Ap'i problemiyotsi)

Ariya:- Aras gawiyo amt 6 eyishonat 8 mererotsi b kew.

jamon bkewuts gizots amobtsno ?

$6+8 = 14$

1. bayer bnihatse 8 ambaro b'indatse 5 ambaro bdek' jamon na'o ambts ambare bdets?

2. datets sambat muk'ots 10 ketsotsi sambat eenots ? ketsotsi bkemal git awon ambts ketse bkem ?
3. Aznat 6 dabtaro detsfe btesh b'eshu bish 9 dabtaro bkew bjamon b dabtarots ayo amb tse?
4. Ayan 9 dak'uwi shuuwotsi tol ando 8 dak'uwi shuu wotsi bomec' nana'a gituts ambts dak'awi shuuwe bomec'?
5. Ik wanc'i s'een mas'o 8 ambaron ik wanc' s'een fuuro 9 ambaron tkew. jamom ambts ambare tdash ?

Haniye okon dabonant k'awi tani jageyon s'ilo

Haniye dashi tanotsi t'iwitsuwer

$$7-2 = 5 \text{ han bwottsoni } 2+5 = 7$$

$$12-9 = 3 \text{ han bwottsoni } 9+3 = 12$$

Terwer 5

A/ Haniye dashi tanotsi Ariyots weeron fiinor

Ariya:- $9-3 = 6$ han bwottsoni $3+6 = 9$

$$1/ 10-7 = \underline{\hspace{2cm}}, \text{ han bwottsoni } \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$2/ 11-5 = \underline{\hspace{2cm}}, \text{ han bwotsoni } \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$3/ 12-6 = \underline{\hspace{2cm}}, \text{ han bwottsoni } \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$4/ 13- 5 = \underline{\hspace{2cm}}, \text{ han bwottsoni } \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$5/ 14-7 = \underline{\hspace{2cm}}, \text{ han bwottsoni } \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$6/ 15-7 = \underline{\hspace{2cm}}, \text{ han bwottsoni } \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$7/ 16-7 = \underline{\hspace{2cm}}, \text{ han bwottsoni } \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$8/ 17-8 = \underline{\hspace{2cm}}, \text{ han bwottsoni } \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$9/ 18-9 = \underline{\hspace{2cm}}, \text{ han bwottsoni } \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$10/ 19-6 = \underline{\hspace{2cm}}, \text{ han bwottsoni } \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Bi/ S'een matsi keewon ar woshit 'A' k'awutso geyor

$1/ 12-3 = A, A = \underline{\hspace{2cm}}$

$2/ 12-2 = A, A = \underline{\hspace{2cm}}$

$3/ 12-11 = A, A = \underline{\hspace{2cm}}$

$4/ 16-9 = A, A = \underline{\hspace{2cm}}$

$5/ 14-11 = A, A = \underline{\hspace{2cm}}$

$6/ 15-A = 9, A = \underline{\hspace{2cm}}$

$7/ 13-5 = A, A = \underline{\hspace{2cm}}$

$8/ 5+A = 10 -A = \underline{\hspace{2cm}}$

$9/ 4+4 = 10-4, A = \underline{\hspace{2cm}}$

$10/ 10-10 = A+0, A = \underline{\hspace{2cm}}$

Ci/ Wonawoneyiruwotsitse iko k'awutso geder beyoki baashats

s'eentsuwer

Ariya:- 1/ $A-I = 8, A = 10$ bwotiyal $I=2$

2/ $E-a = 11, E = 18$ bwotiyal, $a=7$

1/ Bi- Di = 15, Bi = 15 bwotiyal Di =

2/ Bi-A = 7 Bi = 19 bwotiyal A =

3/ A-Bi = 0 A = 10 bwotiyal Bi =

4/ A-Bi =4 A = 10 bwotiyal Bi =

Di/ Beyoki baashotsats “=” “<” wokin “>” c'iranotsi gerde s'een matsi

keewo ar bwotituwok'o k'aluwer.

Ariya:- A/ $7-4 = 3$

Bi/ $8-5 < 4$

Ci/ $9-6 > 2$

$1/ 8-5 \underline{\hspace{1cm}} 3$

$2/ 9-5 \underline{\hspace{1cm}} 4$

$3/ 11-6 \underline{\hspace{1cm}} 7$

$4/ 11-9 \underline{\hspace{1cm}} 3$

$5/ 16-7 \underline{\hspace{1cm}} 10$

$6/ 15-10 \underline{\hspace{1cm}} 5$

$7/ 17-8 \underline{\hspace{1cm}} 10$

$8/ 18-11 \underline{\hspace{1cm}} 7$

$9/ 19-12 \underline{\hspace{1cm}} 4$

$10/ 18-15 \underline{\hspace{1cm}} 2$

$11/ 20-6 \underline{\hspace{1cm}} 3$

$12/ 20-14 \underline{\hspace{1cm}} 7$

$13/ 20-5 \underline{\hspace{1cm}} 20$

$14/ 20 -10 \underline{\hspace{1cm}} 10$

$15/ 15-15 \underline{\hspace{1cm}} 15$

$16/ 18-6 \underline{\hspace{1cm}} 12$

$17/ 19 - 4 \underline{\hspace{1cm}} 15$

$18/ 19-9 \underline{\hspace{1cm}} 10$

$19/ 19-17 \underline{\hspace{1cm}} 15$

$20/ 20- 18 \underline{\hspace{1cm}} 11$

Ap'i kic'otsi (Ap'i problemiyotsi)

Ariya:- 8 ambaro detsfe btesh . T'eshush

3 ambaro t'iim. Ambts amber

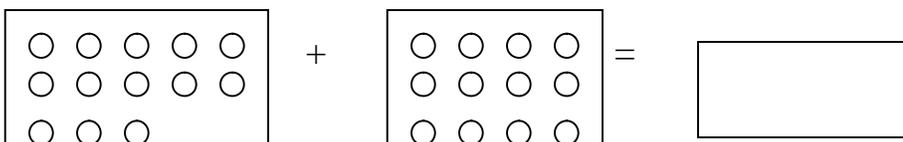
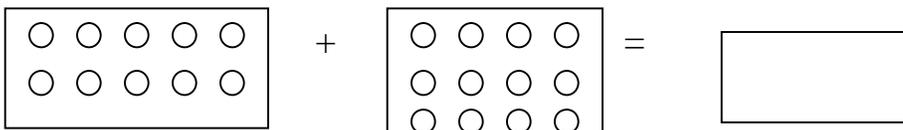
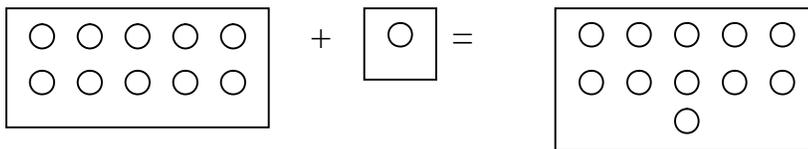
or ? $8-3 = 5$

1. kawets 13 ambaro dek'at gawiyo mand bi'am 4 ambaron keetso
bkewiyal ambts ambare bish orit ?
2. Tinih 14 mereerotsi detsfe btesh 8 bkemal ambts
mereere bish orit ?
3. 16 brtu kaniyotsi detsfe btesh 7 to ttohosh ti'iimal
ambts brtuka niyotsne taash arit ?
4. Ikaawon 15eedisi shodetsotsnat 7 shutuwishodetsotsn
Asosi hospitalots silerno Edis shodetsots shutuwi shodet sot siyse
ambtsoneya bobog ?
1. Ik goshtso bgoshts 18 kuntal gaashotse 9 oride oro
bkemal amtse bish orit ?

1.1.2. 100 bodfetso beyiru s'een taawotsi dabonat

k'awona

A/ 100 bodfetso beyiru s'een taawotsi daba



Terwer -6

1/ Haniya dashi aatotsi bo'iimet dabo (jamo) geyor

$$1/ 20 + 10 = \underline{\hspace{2cm}} \qquad 2/ 30 + 10 = \underline{\hspace{2cm}}$$

$$3/ 40 + 20 = \underline{\hspace{2cm}} \qquad 4/ 50 + 10 = \underline{\hspace{2cm}}$$

$$5/ 60 + 20 = \underline{\hspace{2cm}} \qquad 6/ 70 + 10 = \underline{\hspace{2cm}}$$

$$7/ 80 + 20 = \underline{\hspace{2cm}} \qquad 8/ 90 + 10 = \underline{\hspace{2cm}}$$

2/ Haniye dashi taawotsi taawi c'iron k'o'er

Ariya:- shabe shrta = 76

yed'e shmta = 98

1/ tatse shawata _____ 2/ tatse jedita _____

3/ shaashe awuda _____ 4/ habe ika _____

5/ habe shrta _____ 6/ blalk'atse shrta _____

7/ shabe shmta _____ 8/ shama _____

9/ yede keeza _____ 10/ yed'e jed'iya _____

3/ Haniye dashi taawotsi fideliyotsn k'o'er (gud'er)

Ariya:- 34 = shaashe awuda

41 = habe ika

1/ 22 _____ 2/ 35 _____ 3/ 44 _____

4/ 55 _____ 5/ 66 _____ 6/ 73 _____

7/ 82 _____ 8/ 97 _____ 9/ 91 _____

4/ Ariyotsatse tur beyoki baashotsi s'eentsuwer

Ariya:- A/ 45 = 4 Tatsotsnat 5 ikotsna

Bi/ 67 = 6 Tatsotsnat 7 ikotsna

1/ 30 = _____ Tatsotsnat _____ ikotsna

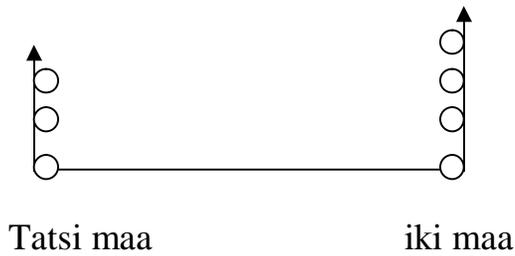
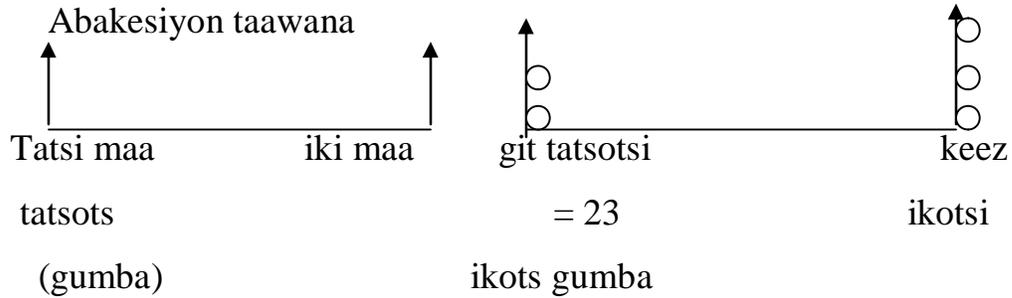
2/ 54 = _____ Tatsotsnat _____ ikotsna

3/ 63 = _____ Tatsotsnat _____ ikotsna

4/ 76 = _____ Tatsotsnat _____ ikotsna

5/ 80 = _____ Tatsotsnat _____ ikotsna

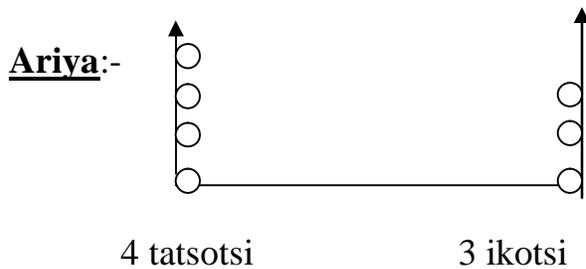
6/ 89 = _____ Tatsotsnat _____ ikotsna



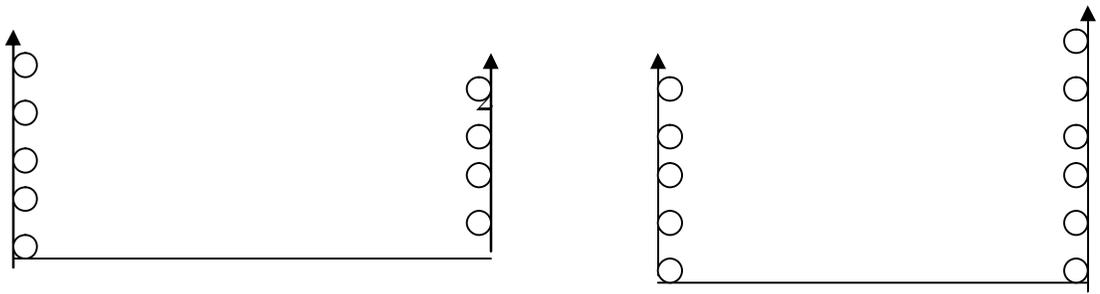
Han abakesiya etefoni abakesiyo tatso ts gumbonat ikots gumbon detste tatsots gumbatse 3 taawetots fano ikots gumbatse 4 taawefots fano eshe abakesiyats beyiru taawo 34 eta

Terwer – 7

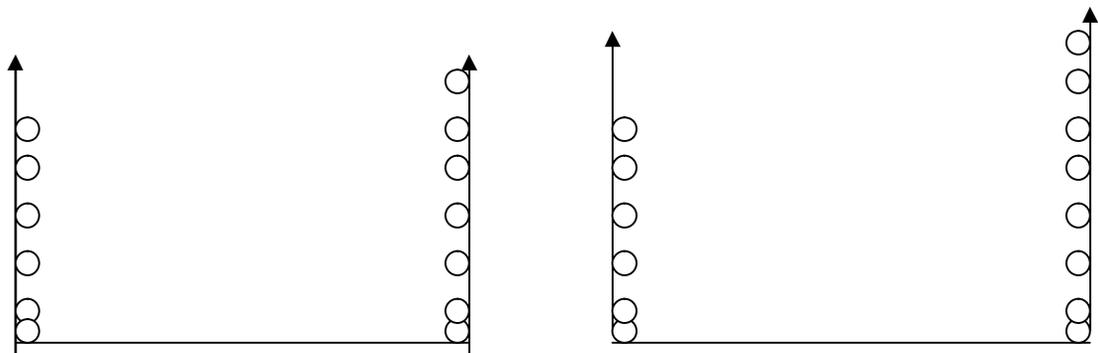
A/ abakesiyatse beyiru taawotsi abakesi shirots k'o'er (guud'ere)?



1/

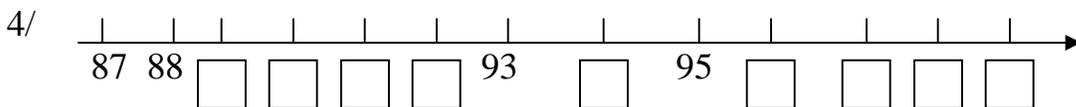
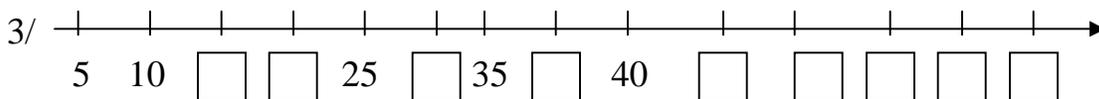
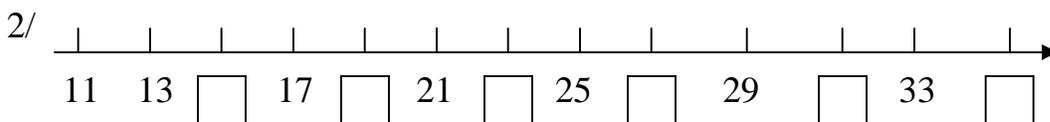
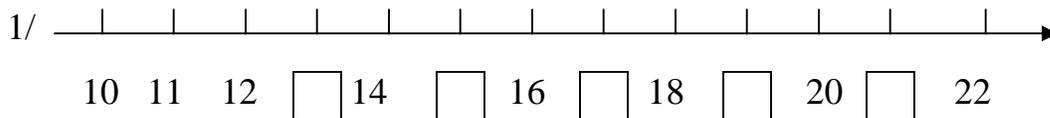


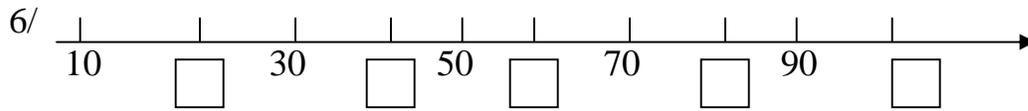
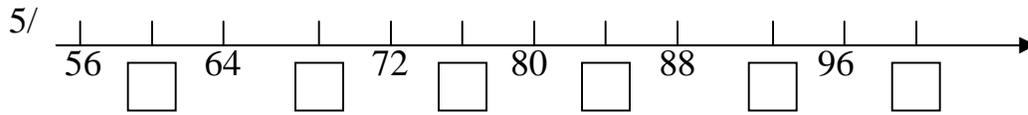
_____ Tatsotsi _____ ikotsi _____ Tatsotsi _____ ikotsi



_____ tatsotsi _____ ikotsi _____ tatsotsi _____ ikotsi

Bi/ Taawi tos'ijindatse beshets taawotsi sat'inots s'eentsuwer ?





Ci/ Haniye dashi taawi koyiyotsitsna muk' wottso gúride kitsuwer.

1/ 37, 68, 41, 13,

2/ 57, 62, 64, 89

3/ 53, 54, 57, 59

3/ 76, 94, 88, 95

5/ 93, 88, 92, 87

6/ 85, 91 97, 99

Di/ Haniye dashi taawi koyiyotsitse enn taawo gúride

kitsuwer.

1/ 22, 32, 42, 52

2/ 58, 28, 38, 83

3/ 49, 46, 88, 84

4/ 82, 28, 70, 87

5/ 64, 46, 19, 91

6/ 69, 96, 67, 76

7/ 88, 66, 55, 38

8/ 18, 81, 27, 72

Taawotsi k'osh k'osh taawi dabeyiruwotsn bad'ide kitso falituwo

Ariya:-

$$38 = 30+8$$

$$= 31+7$$

$$= 32+6$$

$$= 33+5$$

$$= 34+4$$

$$= 35+3$$

$$= 36+2$$

$$2/ 96 = 90+6$$

$$= 91+5$$

$$= 92+4$$

$$= 93+3$$

$$= 94+2$$

$$= 95+1$$

$$= 96+0$$

Terwer- 8

Haniye dashi beyoki baashotsi s'eentsuwer

$$1/ 48 = 40+ \underline{\hspace{2cm}}$$

$$= 42+ \underline{\hspace{2cm}}$$

$$= 44+ \underline{\hspace{2cm}}$$

$$= 46+ \underline{\hspace{2cm}}$$

$$= 48+ \underline{\hspace{2cm}}$$

$$= 45+ \underline{\hspace{2cm}}$$

$$2/ 66= 60 + \underline{\hspace{2cm}}$$

$$= 61+ \underline{\hspace{2cm}}$$

$$= 62+ \underline{\hspace{2cm}}$$

$$= 63+ \underline{\hspace{2cm}}$$

$$= 64+ \underline{\hspace{2cm}}$$

$$= 65+ \underline{\hspace{2cm}}$$

$$3/ 76 = 70 + \underline{\hspace{2cm}}$$

$$= \underline{\hspace{1cm}} + 5$$

$$= \underline{\hspace{1cm}} + 4$$

$$= \underline{\hspace{1cm}} + 3$$

$$= \underline{\hspace{1cm}} + 2$$

$$= \underline{\hspace{1cm}} + 1$$

$$= \underline{\hspace{1cm}} + 0$$

$$4/ 87 = 80 + \underline{\hspace{2cm}}$$

$$= 81 + \underline{\hspace{2cm}}$$

$$= 82 + \underline{\hspace{2cm}}$$

$$= 83 + \underline{\hspace{2cm}}$$

$$= 84 + \underline{\hspace{2cm}}$$

$$= 85 + \underline{\hspace{2cm}}$$

$$= 86 + \underline{\hspace{2cm}}$$

$$= 87 + \underline{\hspace{2cm}}$$

$$5/ 80 = 80 + \underline{\hspace{2cm}}$$

$$= 81 + \underline{\hspace{2cm}}$$

$$= 82 + \underline{\hspace{2cm}}$$

$$= 83 + \underline{\hspace{2cm}}$$

$$= 84 + \underline{\hspace{2cm}}$$

$$= 85 + \underline{\hspace{2cm}}$$

$$= 86 + \underline{\hspace{2cm}}$$

$$= 87 + \underline{\hspace{2cm}}$$

$$= 88 + \underline{\hspace{2cm}}$$

$$6/ 96 = \underline{\hspace{1cm}} + 5$$

$$= \underline{\hspace{1cm}} + 4$$

$$= \underline{\hspace{1cm}} + 3$$

$$= \underline{\hspace{1cm}} + 2$$

$$= \underline{\hspace{1cm}} + 1$$

$$= \underline{\hspace{1cm}} + 0$$

$$\begin{aligned}
7/ 89 &= 80 + \underline{\hspace{2cm}} \\
&= 81 + \underline{\hspace{2cm}} \\
&= 82 + \underline{\hspace{2cm}} \\
&= 83 + \underline{\hspace{2cm}} \\
&= 84 + \underline{\hspace{2cm}} \\
&= 85 + \underline{\hspace{2cm}}
\end{aligned}$$

$$\begin{aligned}
8/ 96 &= 90 + \underline{\hspace{2cm}} \\
&= 91 + \underline{\hspace{2cm}} \\
&= 92 + \underline{\hspace{2cm}} \\
&= 93 + \underline{\hspace{2cm}} \\
&= 94 + \underline{\hspace{2cm}} \\
&= 95 + \underline{\hspace{2cm}}
\end{aligned}$$

1.2. detsfe etonat gusho geyira git fideliyets taawotsatse ik fideliyets taawotsi dabonat k’awona

1.2.1. detsfe eto geyif git fideliyets taawotsatse ik fideliyets taawotsi daba.

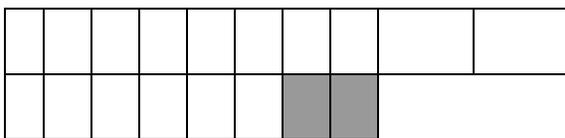
Terwer -9

taawots bo’iimet dabo keewuwer

$$\begin{array}{lll}
1/ 3+2 = \underline{\hspace{2cm}} & 2/ 0+4 = \underline{\hspace{2cm}} & 3/ 4+4 = \underline{\hspace{2cm}} \\
4/ 5+2 = \underline{\hspace{2cm}} & 5/ 5+4 = \underline{\hspace{2cm}} & 6/ 7+1 = \underline{\hspace{2cm}} \\
7/ 4+3 = \underline{\hspace{2cm}} & 8/ 8+1 = \underline{\hspace{2cm}} & 9/ 17+2 = \underline{\hspace{2cm}}
\end{array}$$

Ariya:- 16 nat 2n dabon fiinosh shn 6 nat 2 n nodabit

$$6+2 = 8 \text{ hansha } 16+2 = 18$$

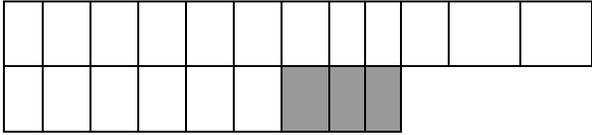


$$16 + 2 = 18$$

Hannaari wewron fiino faletuwe

$$\begin{array}{rcl}
16 & 16 & = 10+6 \\
+2 & +2 & \quad +2 \\
\hline
18 & 18 & 10+8
\end{array}$$

Ariya :- 2 24+3 = _____



$$24+3 = 27$$

$$24 = 20 + 4$$

$$\begin{array}{r} +3 \\ 27 \end{array} \quad \begin{array}{r} +3 \\ 20+7 \end{array}$$

Terwer 10

1/ Iimets s'and taawotsi dabon fiinor

$$1/ 16$$

$$2/ 15$$

$$3/ 16$$

$$\underline{+2}$$

$$\underline{+2}$$

$$\underline{+3}$$

$$4/ 18$$

$$5/ 24$$

$$6/ 27$$

$$\underline{+1}$$

$$\underline{+3}$$

$$\underline{+3}$$

2/ Haniye dashi jandn dabon fiinar s'eentsuwer.

+	1	2	3	4	5	6	7	8	9	10
10										
20			23							
30										
40										
50					55					
60										
70							78			
80										
90										100

3/ sat'ini baashotsi s'eentsuwer

$$1/ 22 + \square = 25$$

$$3/ 51 + \square = 59$$

$$5/ \square + 85 = 89$$

$$7/ 89 + 10 = \square$$

$$2/ 33 + \square = 39$$

$$4/ \square + 51 = 57$$

$$6/ 92 + \square = 96$$

$$8/ 85 + 13 = \square$$

Ap'i kic'a (Ap'i problemiya)

Ariya:- Ayan 13 eyishonat 6 mereerotsi detsfe btesh

jamon ambts gizno bdets?

$$13+6 = 19$$

1. bayer mee' aawots 22 mitbos'ootsi btok aawots ani 7 mit bos'ootsi bkok jamon ambts mit boos'otsi tokra ?
2. ik dani maatse 12 daniyiru nugushotsnat daniyiru matsots fano dani maatse beyiru daniyi ruwots ayo ambyse ?
3. Tini 42 hambaro taash bi'iimal ani tind 6 ambaro bdabiyal and tiki shatse beyiru ambaro ambtse ?
4. abar ik eyishu 51 ambaron lk baak indu 8 ambaron bkemal ambts ambare bdets?

1.2.2. gusho geyira git fideliyets s'een taawotsatse ik

fideliyets s'een taawotsi k'awa.

Ariya:- 17

-5

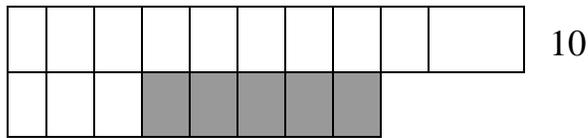
12

$$7-5 = 2$$

$$17-5 = 12$$

$$17-5 = 12 \text{ han bwottsoni}$$

$$12+5 = 17$$



$$17-5 = 12$$

Ter wer - 11

1/ Haniye dashi taawots k'osh k'osheyo geyor bi'aaniyo ar bwoto dabon fiinar kitsuwer.

Ariya:- 16 han bwottsoni $13+3 = 16$

$$\underline{-3}$$

$$1/ 17$$

$$\underline{-4}$$

$$2/ 19$$

$$\underline{-6}$$

$$3/ 24$$

$$\underline{-4}$$

$$4/ 26$$

$$\underline{-4}$$

$$5/ 27$$

$$\underline{-4}$$

$$6/ 28$$

$$\underline{-3}$$

$$7/ 29$$

$$\underline{-5}$$

$$8/ 37$$

$$\underline{-7}$$

$$9/ 48$$

$$\underline{-7}$$

$$10/ 55$$

$$\underline{-5}$$

$$11/ 59$$

$$\underline{-7}$$

$$12/ 69$$

$$\underline{-8}$$

2/ s'een matsi keewotsi ar k'alita taawotsi gede sat'nots.

s'eentsuwer

Ariya:- 1/ $24 - \boxed{3} = 21$

2/ $\boxed{27} - 6 = 21$

1/ $29 - \boxed{} = 28$

2/ $48 - \boxed{} = 44$

3/ $67 - \boxed{} = 63$

4/ $85 - \boxed{} = 81$

5/ $69 - \boxed{} = 64$

6/ $\boxed{} - 4 = 53$

7/ $\boxed{} - 6 = 82$

8/ $\boxed{} - 5 = 50$

9/ $\boxed{} - 2 = 86$

10/ $\boxed{} - 5 = 82$

$$11/ 69- \square = 61$$

$$12/ 88- \square = 84$$

$$13/ \square -6 = 79$$

$$14/ 89- \square = 81$$

3/ Haniy dashi jando k'awon fiinar s'eentsuwer

-	1	2	3	4	5	6	7	8	9	10
19										
29			26							
39										
49									40	
59				65		53				
69										
79										
89						83				
99										89

Aap'i kic'a (aap'i problemiya)

Ariya:- aras 56 buni mitotsi btok 5 buni mitots shuk'

bowuts ambtse bish attso

$$66-5 = 51$$

Ariya:- Ik k'aat'otse 68 joorots fano 8 joorots bokeshal

ambts joorotsne orit ?

1. kawets 56 ambaro dek'at hospitaliyomand bi'am 5 ambaron ato
bkewiyal ambts mabare bish orit ?

1. albor 87 minzotsi detsfe minz manotsitse 6 bkemal ambtse bish orit
?

2. asosi katamotse 66 weerats k'eefots fano manotsitse 5 mats bowotiyal nugushots amtse bowoti ?
3. tinih 77 ambaro dek't gawiyo mand bi'am . 7 ambaron ik shurabiyu taash bkew. Ambts ambare tinihish orit ?
4. 98 lomi shuwotsi detsfe . 8 lomi shuwotsi ttohossh t'iimal amtse taash orit ?

1.3. Detsfe etonat gusho geyiru git fideliyets s'een taawotsatse ik fideliyets s'een taawotsi dabonat k'awona

1.3.1 Detsfe eto geyif git fideliyets s'een taawotsatse ik fideliyets s'een taawotsi daba

Haniye dashi ariyotsi s'ilo. 8 nat 4n bi'iimetuwu dabeyo nodanala k'oshots bo'iimet dabo danosh falituwo.

Ariya:-

1/ 8	2/ 18	3/ 28	4/ 38
<u>+4</u>	<u>+4</u>	<u>+4</u>	<u>+4</u>
5/ 48	6/ 58	7/ 68	8/ 78
<u>+4</u>	<u>+4</u>	<u>+4</u>	<u>+4</u>

Terwer 12

1/ Haniye dashi taawtsi dabon fiinor

1/ 4+6 = _____	2/ 4+7 = _____	3/ 7+5 = _____
4/ 6+6 = _____	5/ 8+7 = _____	6/ 7+7 = _____
7/ 9+4 = _____	8/ 9+3 = _____	9/ 9+6 = _____
10/ 9+7 = _____	11/ 9+8 = _____	12/ 9+9 = _____

2/ Iimets taawotsi ikn dabuwer.

$$\begin{array}{r} 1/18 \\ \underline{+8} \end{array}$$

$$\begin{array}{r} 2/44 \\ \underline{+8} \end{array}$$

$$\begin{array}{r} 3/88 \\ \underline{+8} \end{array}$$

$$\begin{array}{r} 4/58 \\ \underline{+7} \end{array}$$

$$\begin{array}{r} 5/29 \\ \underline{+4} \end{array}$$

$$\begin{array}{r} 6/39 \\ \underline{+3} \end{array}$$

$$\begin{array}{r} 7/49 \\ \underline{+9} \end{array}$$

$$\begin{array}{r} 8/39 \\ \underline{+7} \end{array}$$

$$\begin{array}{r} 9/55 \\ \underline{+8} \end{array}$$

$$\begin{array}{r} 10/85 \\ +9 \end{array}$$

$$\begin{array}{r} 11/73 \\ +7 \end{array}$$

$$\begin{array}{r} 12/86 \\ +5 \end{array}$$

$$\begin{array}{r} 13/88 \\ +7 \end{array}$$

$$\begin{array}{r} 14/89 \\ +8 \end{array}$$

$$\begin{array}{r} 15/92 \\ +9 \end{array}$$

Bad'iyon fiino faletuwe.

Ariya:- 1

$$18 = 10+8$$

$$\underline{+6} \quad \underline{+6}$$

Ariya:- 2

$$29 = 20+9$$

$$\underline{+7} = \underline{+7}$$

$$36 = 20+16$$

$$\begin{array}{cccc}
 \underline{+5} & \underline{+9} & \underline{+9} & \underline{+9} \\
 5/39 & 6/45 & 7/48 & 8/59 \\
 \underline{+9} & \underline{+6} & \underline{+8} & \underline{+6} \\
 9/68 & 10/69 & 11/76 & 12/85 \\
 \underline{+7} & \underline{+8} & \underline{+7} & \underline{+8}
 \end{array}$$

3/ Haniye dashi jando ar taawotsn s'entsu wer

+	1	2	3	4	5	6	7	8	9	10
19										
29					37					
39			42						48	
49						55				

Ap'i kic'a (Ap'i problemiya)

Ariya :- Ik oshotse 34 dak' uwi shuwots fano 8 dak' uwi shuwotsi dabiya ambtse bwoti ?

34

+8

42

1. Eesh 24 mereerotsi detsfe 8 mereerotsi kewude bdabiya ambts mereere b'edets ?
2. Shanir 55 ambaron ik c'aamo, 7 ambaron ik shurabiya bkew. Jamon ambts ambare bikish ?
3. Ambesh 4 kilo shukaro 28 ambaron 2 samuno 6 ambaron bkewal Jamon ambts ambare bikish ?

$11/ 16-9 = \underline{\quad}$

$12/ 18-7 = \underline{\quad}$

$13/ 18-8 = \underline{\quad}$

$14/ 18-9 = \underline{\quad}$

$15/ 19-6 = \underline{\quad}$

$16/ 19-7 = \underline{\quad}$

$17/ 19-8 = \underline{\quad}$

$18/ 19-9 = \underline{\quad}$

2/ Haniye dashi jando k'awon fiinar s'eentsuwer

-	1	2	3	4	5	6	7	8	9	10
10				6						
21										
33							26			
42		40								
55									46	
64										
77					72					
86										
92										

3/ git fideliyets taawotsatse ik fideliyets taawotsi bad'ide k'awa.

Ariya:- 42 tse 6 k'awa

$42 = 30 + 12 \quad (12 - 6 = 6)$

$$\begin{array}{r} +6 \\ 42 \end{array} = \begin{array}{r} -6 \\ 36 \end{array}$$

$36 = 30 + 6$

dabon fiinar gawiya

$36 = 30 + 6$

$$\begin{array}{r} +6 \\ 36 \end{array} = \begin{array}{r} +6 \\ 30 \end{array}$$

$$\begin{array}{r} \underline{42} \quad \underline{30+12} \\ \text{Ariya:- } 8 \quad 54 = 40 + 14 \\ \underline{-8} = \underline{-8} \quad (14-8 = 6) \\ 46 \quad \underline{40+6} \end{array}$$

dabone fiinar gawiya

$$\begin{array}{r} 46 = 40 + 6 \\ \underline{+8} \quad \underline{+8} \\ \underline{54} = \underline{40+14} \end{array}$$

Terwer – 15

1/ bad'ide k'awon fiinar ar bwoto dabon fiinar gawiwer

$$\begin{array}{r} 1/ 25 \quad 2/ 33 \quad 3/ 44 \\ \underline{-7} \quad \underline{-9} \quad \underline{-7} \end{array}$$

$$\begin{array}{r} 2/ 57 \quad 5/ 63 \quad 6/ 76 \\ \underline{-8} \quad \underline{-7} \quad \underline{-8} \end{array}$$

$$\begin{array}{r} 7/ 84 \quad 8/ 64 \quad 9/ 96 \\ \underline{-8} \quad \underline{-9} \quad \underline{-9} \end{array}$$

2/ Haniye dashi taawotsi it bad'irawo k'awar ar bwoto
dabon fiinar gawiwer

$$\begin{array}{r} \text{Ariya:- } 23 \quad 3 \text{ tse } 7 \text{ k'awo faleratse} \\ \underline{-7} \end{array}$$

23 man sha git tatsotsatse ik tatso ditamr 3 nodabor
-7 13 tse 7 nok'awor $13-7 = 6$ orts ok tatso tatsi maats no
16 k'op'et (noguut'et)

$$\begin{array}{r} \text{gawiya} \quad 16 \\ +7 \\ \hline 23 \end{array}$$

Ariya :-2 34-8 = _____

34 3 tatsotsatse ik tatso de'er 4 nodabor 14 bwotit

$$\begin{array}{r} 34 \\ -8 \\ \hline 26 \end{array}$$

14-8 = 6, 6 ik maa shirots k'op'ar ortso 2 di'amr
tatsi maa shirots nok'op'et

$$\begin{array}{r} \text{gawiya} \quad 26 \\ +8 \\ \hline 34 \end{array}$$

Ariya:- 3 73-8 = _____

$$\begin{array}{r} 73 \\ -8 \\ \hline 65 \end{array}$$

$$\begin{array}{r} \text{gawiya} \quad 65 \\ +8 \\ \hline 73 \end{array}$$

$$\begin{array}{r} 1/27 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 2/38 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 3/42 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 4/57 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 5/73 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 6/82 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 7/65 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 8/77 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 9/73 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 10/81 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 11/86 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 12/92 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 13/90 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 14/87 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 15/93 \\ -7 \\ \hline \end{array}$$

Ap'i kic'a (Ap'i problemiya)

Ariya:- Aber 25 kuntal gasho bdats manitse 8 bkemal
Ambtse bish ort ?

25

-8

17

1. 48 edisi shoodetsotsitse 9 ashots bok'iriyal ambts ashe or ?
2. Tinih 35 mereerotsi detsfe 7 mereerotsi bkemal ambts
mereerotsne bish or ?
3. jakiru ash iko ik gawiyotse 63 ambaro ot'o bédats Bé
datsts ambarotse 5 ambaro k'arat'o bdashal ambts ambare bish orit?
4. ik k'aat'otse daniru 75 daniruwotsitse 7 daniruwots bodih alam bts
daniruwotsne besh ?
5. ambesh b'ébezts 88 ambarotse 9 ambaron b'étook s'iro
b'é k'ut'eyal ambts ambare bish orit ?
6. ik k'abaliyotse dawon 81 mitotsi botok 6 mitots boshuk'al
ambts mitotsne bos' ?

1.4. Detsfe etonat gusho geyif git fideliyets s’een
taawotsi dabonat kawona

1.4.1. Detsfe eto geyif git fideliyets taawotsi daba

35 etiru taawotse tatsi maatse beyiru fideliyo 3 Ik maatse beyiru fideliyo 5
hansh 35-3 tatsotsnat 5 ikotsn detsfe.

86 etiru taawotse tatsi maa fideliyo ___iki maa fidhiya ___ hansha 86
___tatsotsi___ ikotsi detsfe tawotsi tatsi monat iki moon kayide haniye
dashi dabi weeron dabo falituwo.

Ariya:- 1/ 16

+13
29

Tatsotsi	Ikotsi
1	6
+ 1	+ 3
2	9

Ariya:- 2/ 35

+22
57

Tatsotsi	Ikotsi
3	5
+ 2	+ 2
5	7

Terwer 16

1/ aritots weeron dabuwer

1/ 23

+14

Tatsotsi	ikotsi

2/ 24

+25

Tatsotsi	ikotsi

3/ 42

+34

+27

Tatsotsi	ikotsi

4/ 65

Tatsotsi	ikotsi

5/ 85

+14

Tatsotsi	ikotsi

6/ 96

+3

Tatsotsi	ikotsi

2/ Taawotsi ikotsnat tatsotsn bad'ide guud'de dabo faletuwe.

Ariya:-

$$\begin{array}{r} 1/ 32 = 30+2 \\ +24 \quad \underline{20+4} \\ \underline{56} = \underline{50+6} \end{array}$$

$$\begin{array}{r} 3/ 64 = 60+4 \\ +23 \quad \underline{20+3} \\ \underline{87} \quad \underline{80+7} \end{array}$$

$$\begin{array}{r} 2/ 53 = 50+3 \\ +36 = \underline{30+6} \\ \underline{89} = \underline{80+9} \end{array}$$

2/ Ariyo fiinets weeron fiinor

$$\begin{array}{r} 1/ 26 \qquad \qquad \qquad 2/ 23 \qquad \qquad \qquad 3/ 25 \\ +13 \qquad \qquad \qquad +15 \qquad \qquad \qquad +34 \end{array}$$

$$\begin{array}{r} 4/ 36 \qquad \qquad \qquad 5/ 37 \qquad \qquad \qquad 6/ 35 \\ +43 \qquad \qquad \qquad +41 \qquad \qquad \qquad +43 \end{array}$$

$$\begin{array}{r} 7/ 56 \qquad \qquad \qquad 8/ 64 \qquad \qquad \qquad 9/ 67 \\ +41 \qquad \qquad \qquad +25 \qquad \qquad \qquad +20 \end{array}$$

$$\begin{array}{r} 10/ 36 \qquad \qquad \qquad 11/ 26 \qquad \qquad \qquad 12/ 81 \\ +33 \qquad \qquad \qquad +23 \qquad \qquad \qquad +18 \end{array}$$

Ap'i kic'a (Ap'i problemiya)

Ariya:- ik mereeru 75 ambron ik baako 24 ambaron
tkew samon ambts ambare tdash.

$$\begin{array}{r} 75 \\ + 25 \\ \hline 99 \end{array}$$

1. Kawets 56 ambaro ballets 33 ambaro detsrno git ashanots bodetsts ambaro jamon ambtse ?
2. Ti'eshu 63 ambaro, timish 24 ambaro tash bo'iim jamona ambts a ambts ambare tdets ?
3. 1997 duron s'ikri shaa shon 43 matsotsnat 32 nugushotsn asosi hospitalotse edisi shoodo bos'ile jaman ambts ashe edisi shoodo s'iletsots ?
4. Ik mas'af beziyefatse 37 taawi mas'a fotsnat 42 domni mas'afotsifano. Bjamon mas'af bziyefatse ambts mas'afptsne fa'ots ?
5. Dabas' katamotse 54 nugusho tsnat 43 matswotsn galo bos'ayints jamon gal s'eyiltsts ashots ayo ambtse?
6. Asosi hospitalotse s'ilets shoodotsotsitse 35 shutuwi shoodetsotsi 21 edisi shodotsots bobeyal git naarn shoodts ashots ayo ambtse ?
7. Basiz 39 ambaro ebor 40 ambaro detsfno git ashots ikn ambts ambare bodets ?

1.4.2. gusho geyira git fideliyey s'en taawotsi k'awa

Ariya:- 36-23 = _____ gawiya 13

$$\begin{array}{r} + 23 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 36 \\ -23 \\ \hline 13 \end{array}$$

Hansha $36-23 = 13$

Ariya: $-49 - 16 = \underline{\hspace{2cm}}$

$$\begin{array}{r} 49 \\ -16 \\ \hline 33 \end{array} \qquad \begin{array}{r} \text{gawiya } 16 \\ +33 \\ \hline 44 \end{array}$$

Hansha $49-16 = 33$

Terwer -17

1/ k'awon fiinar b'aniyo dobon gawiwer

$$\begin{array}{r} 1/ \ 38 \ 2/ \\ -15 \\ \hline \end{array}$$

Tatsotsi	ikotsi

$$\begin{array}{r} 64 \\ -21 \\ \hline \end{array}$$

Tatsotsi	ikotsi

$$\begin{array}{r} 3/ \ 79 \\ -35 \\ \hline \end{array}$$

Tatsotsi	ikotsi

$$\begin{array}{r} 4/ \ 89 \\ -22 \\ \hline \end{array}$$

Tatsotsi	ikotsi

$$\begin{array}{r} 5/ \ 78 \ 6/ \\ -3 \\ \hline \end{array}$$

Tatsotsi	ikotsi

$$\begin{array}{r} 88 \\ 85 \\ \hline \end{array}$$

Tatsotsi	ikotsi

7/ 97	Tatsotsi	ikotsi
<u>-62</u>		

8/ 98	Tatsotsi	ikotsi
<u>-76</u>		

Taawotsi tatsotsnat ikotsn bad'ide guud'de hanite dashe beyiruwotsk'o k'awo faletuwe.

Ariya:-

$$\begin{array}{r}
 \text{A/ } 29 = 20+9 \\
 \underline{-13} - \underline{10+3} \quad \text{gawyyta } 13 \\
 = 10+6 \quad \underline{+16} \\
 = 16 \quad \underline{29}
 \end{array}$$

Ariya:- Bi/ $76 = 70+6$ gawyya 33

$$\begin{array}{r}
 -33 - \underline{30+3} \quad \underline{+43} \\
 = 40+3 \quad \underline{76} \\
 = \underline{43}
 \end{array}$$

2. Haniye dambi iimets ariyots weeron haniye dashe beyiru taawots k'osh k'oshey ogeyor.

1/ 39	2/ 48	3/ 78	4/ 35
<u>-25</u>	<u>-23</u>	<u>-42</u>	<u>-32</u>

5/ 70	6/ 78	7/ 97	8/ 84
<u>-10</u>	<u>-42</u>	<u>-37</u>	<u>-51</u>

9/ 87	10/ 89	11/ 95	12/ 98
<u>-45</u>	<u>-38</u>	<u>-44</u>	<u>-76</u>

3/ Haniye dashi taawotsi k'awar it'aniyo gawide kitsuwer

Ariya:- $28-13 = 15$ Han bwottsoni $13+15 = 28$

1/ $34-12 = \underline{\hspace{2cm}}$ Han bwottsoni $\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

2/ $37-15 = \underline{\hspace{2cm}}$ Han bwottsoni $\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

3/ $49-23 = \underline{\hspace{2cm}}$ Han bwottsoni $\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

4/ $53-31 = \underline{\hspace{2cm}}$ Han bwottsoni $\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

5/ $63-42 = \underline{\hspace{2cm}}$ Han bwottsoni $\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

6/ $78-37 = \underline{\hspace{2cm}}$ Han bwottsoni $\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

7/ $88-74 = \underline{\hspace{2cm}}$ Han bwottsoni $\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

8/ $94-81 = \underline{\hspace{2cm}}$ Han bwottsoni $\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

Ap'i kic'a (Ap'i lAp'i problemiyal)

1. Datsi 38 mango shuwotsi bkew. Mango manotsitse 21 bomaa ashotssh bka'i datsi ambts mangotsne bish orit ?
2. Gitl k'aat'otse 85 daniruwots fano woriwoti s'uwatse 63 daniruwots keezl k'aat'omand bobesho keewe dihits daniruwots ayo amtse ?
3. Basiz 58 ambaro detsfe. 23 ambaron shurabiyo bkewiyal ambts ambare bish orit ?
4. Shunets 86 dak'owi shuwotsi bme' btohush 24 dak'owi shuwotsi b'iimal amtse bish orit ?
5. Eesh 34 baakotsi detsfe 12 baakotsi bkemal ambts bake bish orit ?
6. 98 ambaro detsfe btesh 25 ambaron ik taho tkewiyal ambts ambare taash orit ?

1.5 Detsfe etonat gusho geyif git fideliyets s'een taawotsi dabonat k'awona

1.5.1 Detsfe eto geyif git fideliyets s'een taawotsi daba

1/ Haniya dashi s'een taawots dabon fiinar ap'on keewwer

$$1/ 4+7 = \underline{\quad\quad\quad} \quad 2/ 2+9 = \underline{\quad\quad\quad} \quad 3/ 7+8 = \underline{\quad\quad\quad}$$

$$4/ 8+9 = \underline{\quad\quad\quad} \quad 5/ 9+9 = \underline{\quad\quad\quad} \quad 6/ 5+4 = \underline{\quad\quad\quad}$$

And ani detsfe eto geyif ikonat git fideiiyets s'een taawotsi dabituwu.

2/ haniye dashi s'een taawotsi dabon fiinor

$$1/ 12+9 = \underline{\quad\quad\quad} \quad 2/ 18+6 = \underline{\quad\quad\quad} \quad 3/ 18+5 = \underline{\quad\quad\quad}$$

$$4/ 23+7 = \underline{\quad\quad\quad} \quad 5/ 47+6 = \underline{\quad\quad\quad} \quad 6/ 44+6 = \underline{\quad\quad\quad}$$

Detsfe eto geyif s'een taawotsi bomaa k'awuts shirots guud'er

Ariya:- A/ 37 - iki maa k'awutsotsi daba $4+7 = 11$

+44 - iku ik maa shirots k'or (guud'r)

81 iko detsfe no'etet

- Tatsi maa k'awutsotsi daba

$$3+4 = 7$$

Hansha $1+7 = 8$ s'een taaw han tatsi maa shirots

nok'op'et (noguut'et) 81

Bi/ 58 - shin ik maa k'awutso nodabit $8+5 = 13$

+35 ik maa shirotsk'or (guud'r) '1' detsfe

93 no'e tet

- Tatsi maa k'awutso daba

$$5+3 = 8$$

Hansha $8+1 = 9$ 9 tatsimaa shirots k'o'er

(guud'er)

Terwer - 18

1/ Haniye dashi s'een taawotsi dabuwer

$1/ 23$

$+18$

$4/ 58$

$+32$

$7/ 42$

$+28$

$2/ 37$

$+47$

$5/ 78$

$+12$

$8/ 49$

$+49$

$3/ 63$

$+48$

$6/ 77$

$+18$

$9/ 67$

$+32$

2/ Haniye dashi keez s'een taawotsi dabuwer

$1/ 2$

$+3$

$\underline{5}$

$2/ 5$

$+3$

$\underline{6}$

$3/ 1$

$+3$

$\underline{9}$

$4/ 8$

$+9$

$\underline{3}$

$5/ 7$

$+8$

$\underline{5}$

$6/ 6$

$+8$

$\underline{7}$

$7/ 15$

$+26$

$\underline{36}$

$8/ 18$

$+39$

$\underline{21}$

$9/ 27$

$+50$

$\underline{18}$

$10/ 68$

$+19$

$\underline{13}$

$11/ 55$

$+26$

$\underline{19}$

$12/ 55$

$+26$

$\underline{15}$

13/ 47

+18

16

14/ 47

+18

13

Ap'i kic'a (Ap'i problemiyotsi)

Haniye dashi Ap'i kic'otsi ariyots weeron fiinor

Ariya:- 1 yades huniye shin bshashi domozatse 45 ambaro
andi shaa shtse 46 ambaro b bez git shaashotse
ambts ambare bbez ?

45

+46

91

Ariya:-2 Bayer 25 kuntal gaasho, 27 kuntal bok'olo, 16
kuntal as'o bgoshtsotse bdats jamon ambts
maye bd ats ?

25

+ 27

16

68

1. Ebor nato 15 binih natonmo 56 bwotiyal git ashots nato ambtse ?
2. Eba 49 burutukani shuuwetsi detsge B'á eshu k'osh 24 burutukani shuuwotsi b'ish bdabiyal jamon ambts burutukani shuuwotsi detsfa ?
3. Gashts nato 17, bi'eshu nato 34, bi'ind nato 45 bwotital . Jamon ashots nato ambtse ?
4. Ambesh 28 kuntal firiyo 35 kuntal tokeshona, 25 kuntal k'imamiton bkew jamon ambts kuntale bkew ?

5. Bolets shodat hakimi moomand bi'aananor ikl aawots 45 ambaro, gitl aawots 27 ambaro keezl aawots 13 ambaro kishra. Jamon keez aawotse ambts ambare bikish ?
6. Weerats k'eyiru ash ikosh ayan 23 anbaro, kabad, 34 ambaro, tesiani ado 27 ambaro bo'im. jamon koyiyets ambaro ambtse ?

1.5.2. Gushiyon geyif git fideliyets s'een taawotsi kawa

Shin 10 tur 20 bodfetso beyiru s'een taawotsatse ik fideliyets taawots k'awo s'iletuwe.

1/ 10 <u>- 3</u>	2/ 11 <u>- 4</u>	3/ 12 <u>- 4</u>	4/ 11 <u>- 6</u>
5/ 13 <u>- 4</u>	6/ 13 <u>- 7</u>	7/ 14 <u>- 8</u>	8/ 15 <u>- 8</u>
9/ 16 <u>- 8</u>	10/ 16 <u>- 9</u>	11/ 13 <u>- 9</u>	12/ 14 <u>- 9</u>
13/ 17 <u>- 8</u>	14/ 18 <u>- 9</u>	15/ 17 <u>- 9</u>	16/ 13 <u>- 9</u>

Haniye okon git fideliyets s'een taawotsatse git fideliyets s'een taawotsi k'awo s'iletuwo

Ariya:- 32 tse 19 kawituwo

32 2 ikotsatse 9 ikotsi k'awo faleratse

- 19 mansha 3 tatsotsatse ik tatso nogushit

12 ikotsatse 9 ikotsi k'awar 3 ik maa shirots nok'op'et git tatsotsatse ik tatso nok'awor ik tatso orituwe orts ik tats mani de'amr tatsi maa shirots nok'opet

$$\begin{array}{r} 32 \\ - 19 \\ \hline 13 \end{array}$$

$$\begin{array}{r} \text{gawiya } 13 \\ + 19 \\ \hline \underline{32} \end{array}$$

Ariya:- 2 55
- 17

Tatsatsi	ikotsi
5	5
1	7

(5<7)

Tatsatsi	ikotsi
4	15
1	7
3	8

Ariya:- 3 64 = 60+4 = 50+14 4 tse 8 k'awo
 - 18 - 10+8 - 10-8 faleratse
 = 40+6
 = 46

Hansha 64

$$\begin{array}{r} - 18 \\ \hline \underline{46} \end{array}$$

$$\begin{array}{r} \text{gawita } 46 \\ + 18 \\ \hline \underline{64} \end{array}$$

Terwer 19

1/ 34

2/ 51

3/ 43

4/ 45

<u>- 27</u>	<u>- 23</u>	<u>- 29</u>	<u>- 16</u>
5/ 52	6/ 50	7/ 54	8/ 51
<u>- 45</u>	<u>- 17</u>	<u>- 18</u>	<u>- 23</u>
9/ 64	10/ 66	11/ 70	12/ 82
<u>- 29</u>	<u>- 49</u>	<u>- 32</u>	<u>- 16</u>
13/ 83	14/ 90	15/ 95	16/ 96
<u>- 48</u>	<u>- 28</u>	<u>- 79</u>	<u>- 78</u>

Haniya okon jandonat bad'iyon nofiinerawo ak'o k'awo nofiinituwok'o s'iletuwo

Ariya:-1 62 tse 16 k'awosh

62 shin ik moon beyiruwotsi nok'awit 2 tse 6

- 16 k'awo faleratse 6 tatsotsatse ik tatsogushde

46 ik maatse beyiru gitu 12 nok'alit 12-6 = 6

sh rt han ik ik maa shirots nok'op'et 5

tatsts atse ik tatso nok'awor 4 tatsots orituno

Awudo diyam tatsi maa shirots nok'opet.

Ariya:-2

74 (14 - 8 = 6)

- 28 (6-2 = 4)

46

2/ Haniye dashi k'awi aatotsi aaniwer

1/ 31

2/ 44

3/ 60

4/ 45

<u>- 15</u>	<u>- 16</u>	<u>- 15</u>	<u>- 28</u>
5/ 65	6/ 71	7/ 72	8/ 76
<u>- 27</u>	<u>- 26</u>	<u>- 68</u>	<u>- 27</u>
9/ 71	10/ 63	11/ 70	12/ 81
<u>- 68</u>	<u>-45</u>	<u>- 33</u>	<u>- 22</u>
13/ 81	14/ 82	15/ 86	16/ 90
<u>- 49</u>	<u>- 53</u>	<u>- 48</u>	<u>- 19</u>

Ap'i kic'a Aap'i problemiya

Ariya:- rob 35 lomiyoysi kewar 17 bi'eshush bi'iimal
ambts lomiye bish orit ?

$$\begin{array}{r}
 35 \\
 \underline{- 17} \\
 18 \\
 \underline{+ 17} \\
 35
 \end{array}$$

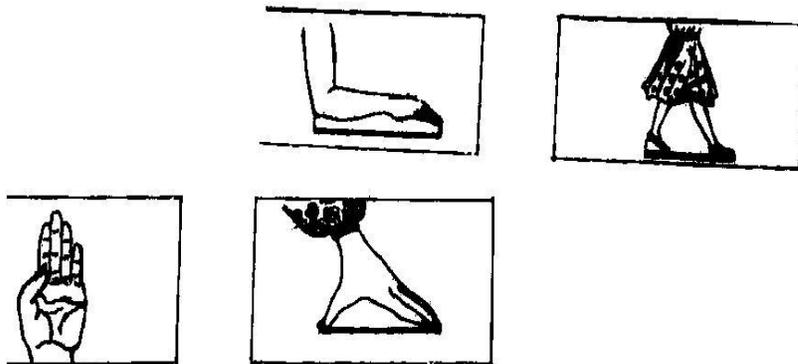
- 1 akts iko ik gawiyon 80 ambaro oot'o datsr 12 ambaro k'arat'o (erero) bdashiyal ambts ambare bish orit ?
1. ambesh 78 mit bos'otsi btok 19 mit bos'ots boshuk'i bos'ts mitots ayo ambtse ?
2. ayan shaashotse bdatsiru 95 ambarotse 60 ambaron ik taho bkewiyal ambts ambare bish orit ?
3. matakail zoniyoysi 75 ashots edisi shood bos'ile silets ashotsitse 16 ashotsitse bdatse . Boo'atse datsera ashots ambtsno ?
4. ik motobilo 45 ashotsi b'akuriyal 26 mats botiyal nugushots ayo ambtse ?

5. magir 86 ambaro dek'at gawiyo mand biam 20 ambaaron ik sheemo 15 ambaron 2 kiloyi shukaro bkew ambts ambare moomand dek'at bi'aan ?
6. tinhi 90 ambaro taash bi'iim 22 ambaron ik shemiziyu, 52 ambaron ik c'aamo tkew. Ambts ambare taash or ?

1.6. Yotsi ed' (gen z) tatsi keewotsi

Doyon ed' tatsef keewotsi yots bon fiinefotsi nemon (doyon) keewots genzo tatsef indefots naarotse kishi indona, kishi t'era tufi t'eerona, gambona (shawona) zzrona eteyiruwotsi.

Daniruwots haniye dashi beyiru doyon lemon kewots genzo indefots shuutso keewuwer.



doyo (nemon) kewots ken indefotsi

Terwer -20

- 1.haniye dashi aatotsi aaniwer
 1. it rsasiyo zziron indor
 2. it mas'afo zziron indor
 3. it tohi ed'o zziron indor
 4. it k'aat'I genzo nalk'o mand ambts shaawe bwoti
 5. ak' mari genzo itkish indon indoor

6. it beyiru joooro ambts zzinr bwoto indar datsuer
7. it dani k'aat'otse tut itkeshf fengshfeto ambts shawe bwoti ?
8. it k'aat'otse tur sheeshi maa fetso ambts shawe bwotit
9. it k'aat'otse tur duwuli fetso ambts shawe bwoti ?
10. it dani maatse tur it maa fetso ambts shaawe bwoti?

2/ Haniye dashi aatotsi dabon fiinor

- 1/ 8 zziro + 12 zziro = _____
- 2/ 13 zziro + 14 zziro = _____
- 3/ 24 shaawa + 28 shaawa = _____
- 4/ 30 kishi inda 25 kishi inda = _____
- 5/ 15 shaawa + 20 shaawa = _____
- 6/ 25 shaawa + 35 shaawa = _____
- 7/ 45 shaawa + 36 shaawa = _____
- 8/ 32 tufona + 33 tufona = _____
- 9/ 36 t'ero + 42 t'ero = _____
- 10/ 40 kishi indo + 40 kishi indo = _____
- 11/ 27 zziro – 7 zziro = _____
- 12/ 38 zziro – 18 zziro = _____
- 13/ 34 kishi inda – 10 kishi inda = _____
- 14/ 41 shaawatse – 15 shaawa = _____
- 15/ 50 shaawatse – 32 shaawa = _____

Ap'i kic'a (Ap'i problemiya)

1. aber suriyo bgenzo szzira ani balay suriyo bgenzo 6 zzira git suriwots gerzo amtse ?
2. gabay faro bgenzo 8 zzira ani eborfaro bgenzo 9 zzira git farots genzo amtse ?

3. bakal eed'o 12 zzira ambesh ed'o 9 zzira bogit ed'otse konke bogo? ambtson?
4. aras ed'o 5 zzira binih ed'o 11 zzira aras ed'o binihi ed'atse ambtsoneya bumuk ?
5. maritu ed'o 3 kish unda rob ed'o 2 kishi unda bogitets ed'o ambtse ?

Gupi terwerotsi

1/ dabeyor bo'iimet aniyo sat'inots s'eentsuwer

1/ 8	2/ 9	3/ 10	4/ 10
<u>+4</u>	<u>+4</u>	<u>+14</u>	<u>+5</u>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2/ k'awon fiinar itaaniyo sat'inots s'eentsuwer

1/ 13	2/ 14	3/ 14	4/ 15
<u>-5</u>	<u>-6</u>	<u>-7</u>	<u>-5</u>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

3/ ar'aani wottso sat'inots s'eentsuwer

- 1/ $10+5 = \square$
- 2/ $10-5 = \square$
- 3/ $3+(4+6) = 3+ \square = \square$
- 4/ $5+(8+2) = 5+ \square = \square$
- 5/ $4- \square = 1, \square + 1 = 4$
- 6/ $4+ \square = 9, 9- \square = 4$
- 7/ $18 - \square = 7, \square - 7 = 18$
- 8/ $16 - \square = 14, 14 + \square = 16$
- 9/ $(11+7) + 7 = \square, 15+10 = \square$
- 10/ $14-7 = \square, 7+ \square = 14$

4/ Beyoki baashotsi s'eentsuwer

1. $46 = \underline{\hspace{2cm}}$ tatsotsi $\underline{\hspace{2cm}}$ ikotsi
2. $63 = \underline{\hspace{2cm}}$ tatsotsi $\underline{\hspace{2cm}}$ ikotsi
3. $70 = \underline{\hspace{2cm}}$ tatsotsi $\underline{\hspace{2cm}}$ ikotsi
4. $72 = \underline{\hspace{2cm}}$ tatsotsi $\underline{\hspace{2cm}}$ ikotsi
5. $96 = \underline{\hspace{2cm}}$ tatsotsi $\underline{\hspace{2cm}}$ ikotsi
6. $85 = \underline{\hspace{2cm}}$ tatsotsi $\underline{\hspace{2cm}}$ ikotsi

5/ Beyoki baashotsi s'eentsuwer

- | | |
|---|--|
| 1/ $21 = 20+1$ | 2/ $32 = 30 +2$ |
| 3/ $43 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$ | 4/ $53 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$ |
| 5/ $65 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$ | 6/ $72 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$ |
| 7/ $76 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$ | 8/ $79 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$ |
| 9/ $87 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$ | 10/ $94 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$ |

6/ Bitsi een wottso guride kitsuwer

- | | |
|-------------------|-------------------|
| 1/ 36, 26, 46, 56 | 3/ 27, 72, 75, 57 |
| 2/ 59, 95, 89, 98 | 4/ 50, 70, 80, 60 |
| 5/ 71, 72, 73, 74 | 6/ 33, 53, 63, 73 |

7/ Bitsi muk'o guride kitsuwer

- 1/ 68, 41, 13, 37
- 2/ 54, 45, 57, 75
- 3/ 62, 26, 46, 64
- 4/ 88, 77, 92, 29
- 5/ 91, 19, 89, 92

8/ Haniye dishi k'osh k'osh tanotsn beyiru aatotsi fiinor

$$\begin{array}{r} 1/ \ 24 \\ +4 \\ \hline \end{array} \qquad \begin{array}{r} 2/ \ 26 \\ +12 \\ \hline \end{array} \qquad \begin{array}{r} 3/ \ 66 \\ -26 \\ \hline \end{array}$$

$$\begin{array}{r} 4/ \ 46 \\ -15 \\ \hline \end{array} \qquad \begin{array}{r} 5/ \ 78 \\ +6 \\ \hline \end{array} \qquad \begin{array}{r} 6/ \ 74 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 7/ \ 46 \\ -15 \\ \hline \end{array} \qquad \begin{array}{r} 8/ \ 78 \\ -20 \\ \hline \end{array} \qquad \begin{array}{r} 9/ \ 95 \\ -21 \\ \hline \end{array}$$

$$\begin{array}{r} 10/ \ 66 \\ -49 \\ \hline \end{array} \qquad \begin{array}{r} 11/ \ 72 \\ -56 \\ \hline \end{array} \qquad \begin{array}{r} 12/ \ 88 \\ -59 \\ \hline \end{array}$$

$$13/ \ 56+14+13 = \underline{\hspace{2cm}} \qquad 14/ \ 78-18-10 = \underline{\hspace{2cm}}$$

$$15/ \ 88-22-11 = \underline{\hspace{2cm}} \qquad 16/ \ 48+12+15 = \underline{\hspace{2cm}}$$

9/ Haniye dashi aatotsi aaniwer

1. ik oshotse 24 lomi shuwots nat 36 burtukani shuwotsn fano jamon oshotse beyiru shuwots ayo ambtse ?
2. abar 76 ambaro detsfe btesh ambar manitse 35 ambaron ik suriyo bekew ambts ambare bish or ?
3. guyi nato 45 ambesh nato 25 bogititse kon nate bogo ? ambtsona ?
4. ik mas'af bezeyiruwatse 56 borni mas'afo, 36 taawi mas'afo fa'e jamon ambts mus'afe fa'o ?
5. ayan shaashon bdatsiru 65 ambarotse 25 ambaro bbezfo git shaashon bbezts ambaro ambtse

6. shash 45 mereerotsnat 28 eyishots detsfa mereerots ayo eyishots ayatse ambtsone bbog?
7. aber keez joorotsi bkewi iko 28 ambaron gitlo 35 ambaron keezlo 42 ambaron bkewal jamon ambts ambare bdash ?
8. ebor 16 gramiyon fiinets bimb awutsona 14 gramiyon fiinets waazi awutso b kew jamon ambts grami awutse bkew ?

K'OT'OL GITA

2. 100 bodfetso beyiru s'een taawotsi ayiyonat kayiyona

2.1. 2 nat 10 kayiyonat ayiyon shuts aanar s'ila

2.1.1. ayiy shuts aanar s'ila

Ariya 1/ $\begin{array}{|c|} \hline \bigcirc \quad \bigcirc \quad \bigcirc \\ \hline 3 \end{array} + \begin{array}{|c|} \hline \bigcirc \quad \bigcirc \quad \bigcirc \\ \hline 3 \end{array} = 6$ 2/ $\begin{array}{|c|} \hline \bigcirc \quad \bigcirc \quad \bigcirc \\ \hline \bigcirc \end{array} + \begin{array}{|c|} \hline \bigcirc \quad \bigcirc \quad \bigcirc \\ \hline \bigcirc \end{array} + \begin{array}{|c|} \hline \bigcirc \quad \bigcirc \quad \bigcirc \\ \hline \bigcirc \end{array} = 4 + 4 + 4$

Gitoti keezo = shrta , keezoti awudo = tatse gita

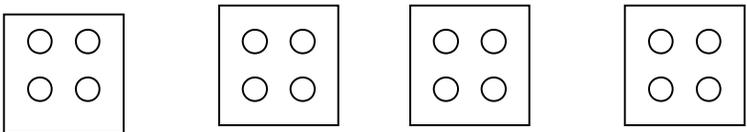
tiwitsuwer han "x" ayiyi c'ira

Terwer 1

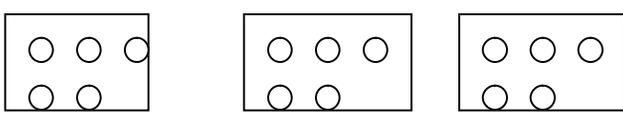
Haniye dashi beyoki baashotsi s'eentsuwer

1/ $\begin{array}{|c|} \hline \bigcirc \quad \bigcirc \quad \bigcirc \\ \hline 3 \end{array} + \begin{array}{|c|} \hline \bigcirc \quad \bigcirc \quad \bigcirc \\ \hline 3 \end{array} + \begin{array}{|c|} \hline \bigcirc \quad \bigcirc \quad \bigcirc \\ \hline 3 \end{array} + \begin{array}{|c|} \hline \bigcirc \quad \bigcirc \quad \bigcirc \\ \hline 3 \end{array} = \underline{\hspace{2cm}}$
awudoti keezo =

2/ $\begin{array}{|c|} \hline \bigcirc \quad \bigcirc \\ \hline \bigcirc \quad \bigcirc \end{array} + \begin{array}{|c|} \hline \bigcirc \quad \bigcirc \\ \hline \bigcirc \quad \bigcirc \end{array} + \begin{array}{|c|} \hline \bigcirc \quad \bigcirc \\ \hline \bigcirc \quad \bigcirc \end{array} + \begin{array}{|c|} \hline \bigcirc \quad \bigcirc \\ \hline \bigcirc \quad \bigcirc \end{array} + \begin{array}{|c|} \hline \bigcirc \quad \bigcirc \\ \hline \bigcirc \quad \bigcirc \end{array} = \underline{\hspace{2cm}}$
utsoti awuda =

3/ 
 $4 + 4 + 4 + 4 = \underline{\hspace{2cm}}$

awudoti awudo =

4/ 
 $5 + 5 + 5$

keezoti uutso =

Dabonat ayiyon jageya

- Ariya:-** 1/ $5+5+5 = 15$ 2/ $5+5 = 10$
 $3 \times 5 = 15$ $2 \times 5 = 10$
 3/ $1+1+1+1 = 4$ 4/ $2+10 = 20$
 $4 \times 1 = 4$ $2 \times 10 = 20$

Terwer 2

Haniye dashi beyoki baashotsi s'entsuwer

- Ariya** 1/ $4+4+4 = 12$ 2/ $7+7 = 14$
 $3 \times 4 = 18$ $2 \times 7 = 14$
 1/ $9+9 = \underline{\hspace{2cm}}$ 2/ $8+8+8 = \underline{\hspace{2cm}}$
 $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$
 3/ $10+10 = \underline{\hspace{2cm}}$ 4/ $5+5+5+5+5$
 $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$
 5/ $2+2+2+2+2+2 = \underline{\hspace{2cm}}$ 6/ $3+3+3+3+3+3+3 = \underline{\hspace{2cm}}$
 $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

7/ 6+6+6+6 = _____

8/ 4+4+4+4 = _____

_____ x _____ = _____

_____ x _____ = _____

9/ 1+1+1+1+1 = _____

10/ 7+7+7+7 = _____

_____ x _____ = _____

_____ x _____ = _____

S'een taawotsi 2nat 10 ayiya

Ariya:-

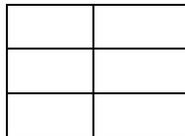


2x3 = 6

2/

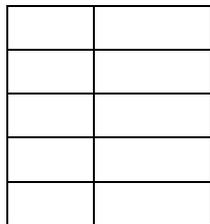
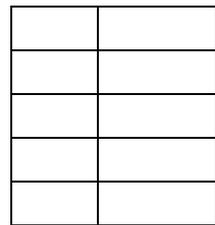


3x2



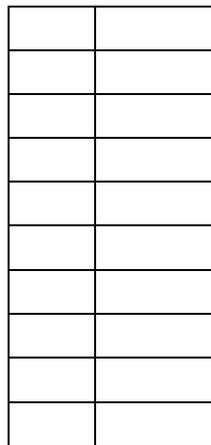
= 6

3/



2x10

=



20

4/ **Fideliyona**

taawona

bo'ayoni

Gitoti jediya	2x9	18
Gitoti shawata	2x7	14
Totsoti awuda	10x4	40
tatsoti shawata	10x7	70
tatsoti shmta	10x8	80
tatsoti tatsa	10x10	100

T'iwitsuwer

Jam s'een taawo 10 ayiyor nodatsituwo taawu man
shuutsats ik zero dabon

Ter wer - 3

1. Bo'ayo beyoki baashats s'eentsuwer

Ariya:- 1/ $2 \times 4 = 8$ 2/ $10 \times 2 = 20$
3/ $10 \times 3 = 30$ 4/ $3 \times 10 = 30$

- 1/ $2 \times 7 = \underline{\hspace{2cm}}$ 2/ $2 \times 8 = \underline{\hspace{2cm}}$
3/ $2 \times 9 = \underline{\hspace{2cm}}$ 4/ $2 \times 6 = \underline{\hspace{2cm}}$
5/ $2 \times 5 = \underline{\hspace{2cm}}$ 6/ $2 \times 11 = \underline{\hspace{2cm}}$
7/ $9 \times 10 = \underline{\hspace{2cm}}$ 8/ $7 \times 10 = \underline{\hspace{2cm}}$
9/ $8 \times 10 = \underline{\hspace{2cm}}$ 10/ $10 \times 10 = \underline{\hspace{2cm}}$
11/ $10 \times 5 = \underline{\hspace{2cm}}$ 12/ $10 \times 6 = \underline{\hspace{2cm}}$

2/ Ayiyiru iko k'awutso geder sat'inots s'eentsuwer

- Ariya:- 1/ $2 \times \boxed{5} = 10$ 2/ $10 \times 1 = \boxed{10}$
1/ $2 \times \boxed{\hspace{1cm}} = 8$ 2/ $10 \times 1 = \boxed{10}$
3/ $2 \times \boxed{\hspace{1cm}} = 8$ 4/ $2 \times \boxed{\hspace{1cm}} = 14$
5/ $\boxed{\hspace{1cm}} \times 2 = 12$ 6/ $\boxed{\hspace{1cm}} \times 2 = 24$
7/ $\boxed{\hspace{1cm}} \times 10 = 40$ 8/ $10 \times \boxed{\hspace{1cm}} = 70$
9/ $\boxed{\hspace{1cm}} \times 10 = 50$ 10 $10 \times \boxed{\hspace{1cm}} = 100$

Ap'i kic'a (Ap'i problemiyal)

Ariya:- 1 Baak iko git tufotsi detsfe awud baakots
ambts tufe bodets ?

aaniya $2 \times 4 = \underline{8}$

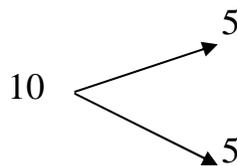
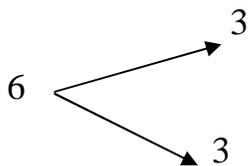
Ariya:- 2 ik baaki indu k'awutso 10 ambar bwotiyal ik
ar 3 baaki induts k'awutso ambtse ?

aaniya $10 \times 3 = \underline{30}$

1. Ik asho git tufotsi detsfe 6 ashots ambts tufe
bodets ?
2. ik aawon 2 litr aatso t'issat 7 aawotse ambts litr aatse tushe?
3. daniru iko 10 baaki nana'o detsts git baaki indotsi detsfe. Daniru
man ambts baaki nana'otsne bdets ?
4. ik' batiri k'awutso 10 ambar bwotiyal 8 batiritots kawutso ambtse
bwotit ?
5. lames ik shurabiyu 10 ambaron bkewiyal ik naari 7 sburabiyotsi
ambtsoneya bkewit ?

2.1.2. Kayiyi shuuts aanar s'ila

1/ S'een taawotsi gitosh (2) kayiya



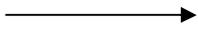
➤ Han bwottsoni $2 \times 5 = 10$

- Han bwot tsoni $2 \times 3 = 6$

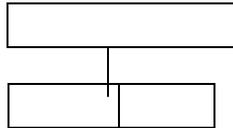
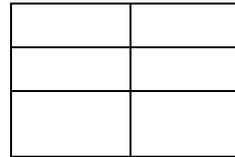
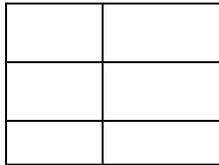
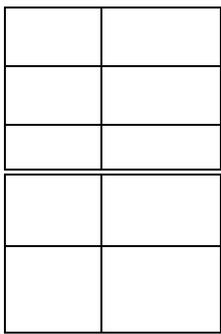
T'iwitsuwer

Hani “ ∞ ” kayiyi c'ira

Ariya:- $1/4+2 = 2$ Han bwottsoni $2 \times 2 = 4$

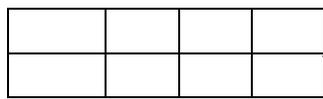


$2/12+2 = 6$ han bwottsoni $6 \times 2 = 12$

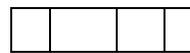
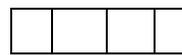
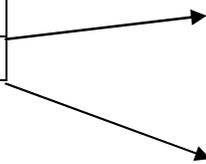


2 karewotsi
2 karewotsi
2 karewotsi

$3/8 \infty 2 = 4$



hansha



T'iwitsuwer

$8 \infty 2 = 4$ han bwottsoni
 $8 \infty 2 = 4$

kayka kayika bana

Terwer – 4

1/ kayak, kayika, nat ban wotts s'een taawotsi galuwer.

Ariya:- 1/ $10 \div 2 = 5$

10 – kayak

2- kayika

5- bana

1/ $6 \div 2 = 3$

3/ $18 \div 2 = 9$

5/ $20 \div 2 = 10$

2/ $4 + 2 = 2$

4- kayak

2- kayika

5- bana

2/ $14 \div 2 = 7$

4/ $8 \div 2 = 4$

6/ $2 \div 2 = 1$

Ap'i kic'a (Ap'i problemiya)

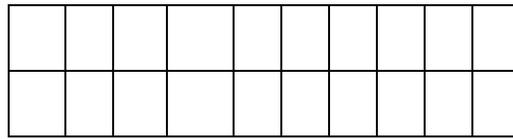
Ariya:- ik asho git kishotsi detsfe 10 kishots ambts ashi

kishe bowotit ?

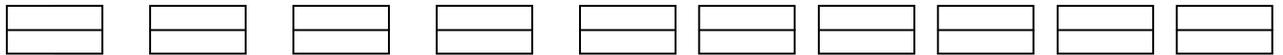
$10 \div 2 = 5$

1. sambat 12 dabtaru kewudek' bnana'a gitotssh talo bkayi git git nana'otssh botok tokon amtse bodet ?
2. taanat t'eshun gawiyo mand amat 24 mango shuwotsi kewde talono kayal amtse nosh bodet ?
3. git goshtsots 32 kunatal gaasho bodats goshtsots gaash man talo kayosh bogeyal amtse bosh bodet ?
4. 38 rsasiyotsi daniru gitotssh talo ka'eyal daniru ikosh ambts rsasiya bish bodet ?
2. s'een taawotsi (tatsosh) 10 kayiya

Ariya:- 1/



$$2 \times 10 = 20 \text{ gitoti tas karewotsi}$$



$$10 \div 5 = 2$$

Botok tokon 10 kar wotsi detsfe

$$2/ 30 \div 10 = 3$$

$$3/ 40 \div 10 = 4$$

T'iwitsuwer jam tatso aiyiru s'een taawots 10 (tatsosh) bokayeyor b'iimt banatse ik zero t'afir datso faletuwe.

Terwer 5

Bi'iimet bano beyoki baashats s'eentsuwer ?

Ariya $50 \div 10 = 5$

$$1/ 50 \div 10 = \underline{\hspace{2cm}}$$

$$2/ 40 \div 10 = \underline{\hspace{2cm}}$$

$$3/ 60 \div 10 = \underline{\hspace{2cm}}$$

$$4/ 70 \div 10 = \underline{\hspace{2cm}}$$

$$5/ 80 \div 10 = \underline{\hspace{2cm}}$$

$$6/ 90 \div 10 = \underline{\hspace{2cm}}$$

$$7/ 100 \div 10 = \underline{\hspace{2cm}}$$

$$8/ 50 \div 10 = \underline{\hspace{2cm}}$$

Ap'i kic'a (Ap'i problemiya)

Ariya:- ambesh 10 sheenotsi detsfe btesh 10 sheenman talo k'ide kosh beyokats bezo bgeyiyal ik beyokts ambts sheen ebbezit?

$$10 \div 10 = 1$$

1. ik k'aat'otse 20 daniruwots fano. Ik jindon 10 daniruwotsi matseyal daniruwots ambts jindoneya matset ?
2. ikamaron tats lomiyotsi keweyal 30 lomiyotsi kewosh ambts ambare bgeyit ?
3. Ik ashi kish jabots 10 (tatsno) 60 kishi jabots ambts ashi jabe bowoti ?
4. dambets 70 burutukaniyotsi btoh 10 (tatotssh) talo bk'iyal ambts amtse bosh bodet ?
5. 10 baakotsi 80 amaron tkew jam baakots k'awutso tal bwotiyal ik baaki k'awutso amtse ?

2.2. s'een taawtsi 3n, 4n, 5n, 1n nate on ayiyonat 3n, 4n, 5n, nat 1n kayiya.

2.2.1. s'een taawotsi 3n ayiyonat kayiyona

1/ s'een taawotsi 3n ayiya

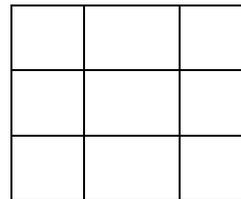
Ariya A/



1x3

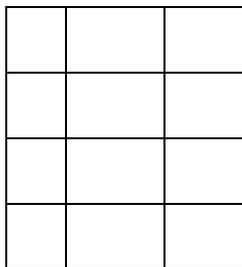


2x3

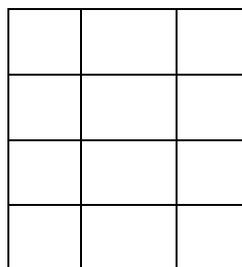


3x3

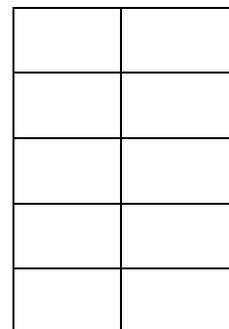
Bi/



4x3



5x3



6x3

<u>Ci/ fideliyona</u>	<u>taawona</u>	<u>ayka</u>
iknoti keeza	1x3	3
gitoti keeza	2x3	6
keezoti keeza	3x3	9
awudoti keeza	4x3	12
uutsoti keeza	5x3	15
shrtoti keeza	6x3	18
shaawatoti keeza	7x3	21
shmtoti keeza	8x3	24
jeed'iyoti keeza	9x3	27

Terwer – 6

1/ ayyon fiinar bi'aaniyo sat'inot s'eentsuwer

Ariya:- 1/ $3 \times 2 = 6$ 2/ $3 \times 5 =$

1/ $3 \times 2 =$ 2/ $3 \times 3 =$

3/ $3 \times 4 =$ 4/ $3 \times 7 =$

5/ $3 \times 11 =$ 6/ $3 \times 12 =$

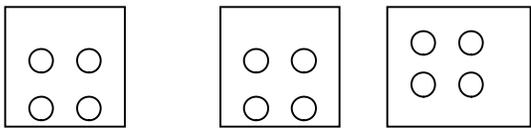
7/ $3 \times 13 =$ 8/ $3 \times 10 =$

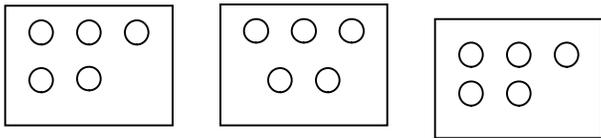
9/ $3 \times 9 =$ 10/ $3 \times 8 =$

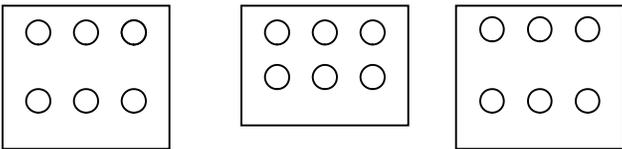
2/ ar wotts taawo beyoki baashats s'eentsuwer

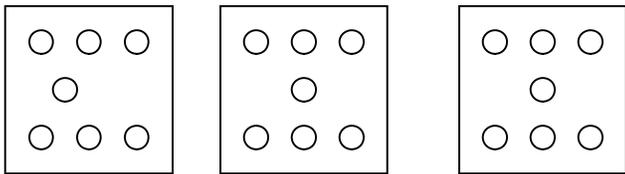
Ariya:- A/ $3 \times 2 = 6$

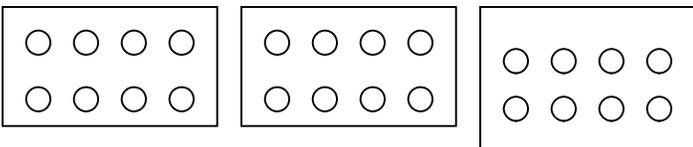
Bi/ $3 \times 1 = 3$

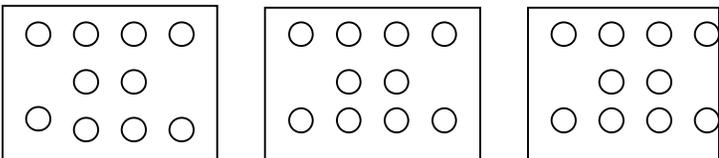
1/  _____ x _____ = 12

2/  _____ x _____ = 15

3/  _____ x _____ = 18

4/  _____ x _____ = 21

5/  _____ x _____ = 24

6/  _____ x _____ = 30

Ap'i kic'a (Ap'i problemiya)

Ariya:- A/ shanir 20 ambaro detsfa. Kawets ando shanir keez kisho bogetuwo bdetsal kawets ambaro ambtse ?

aaniya $3 \times 20 = 60$ ambara

Bi/ ik sat'inotse 3 keetsots fano 8 ik naari sat'inotse ambts keetsarsne beyir ?

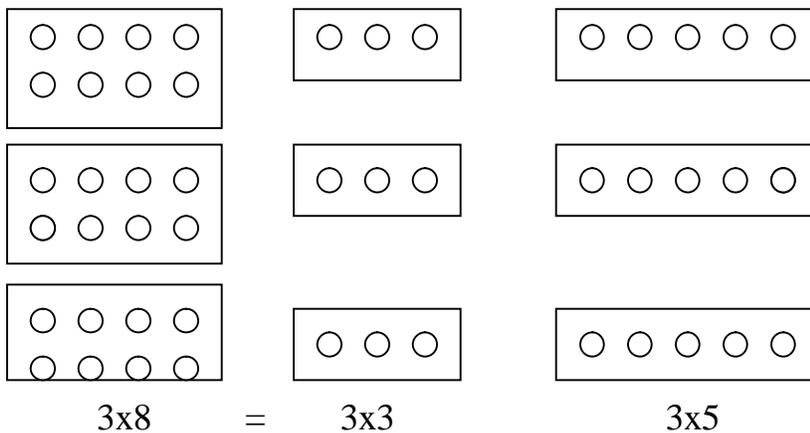
aaniya $8 \times 3 = 24$ keetsotsi

Terwer – 7

1. maritu 5 kalamberotsi detszfa. Ayantu ando maritu koniye keez kisho boget kalamberotsi detsfa. Ayantu kalamber ayo ambtse ?
2. 4 joratse botok tokon 3 rsasiyotsi fano. Jamon rsasiyays ayo ambtse ?
3. ambesh nato 7 ayan nato ambesh natoniye keez kisho bbogal ayan nato ambtse
4. 3 eyishots tufo ambtse ?
5. ik k'abali driyoni 30 ashotsi detsfe dritsi ashots botok tokon 3 ambaro bo busiyal driyon ko'iyets amboro ambtse?

Aiyi niwa

Ariya:-



keezoti shmta

keezoti keeza

keezoti uutsa

Hansha $3 \times 8 = (3 \times 3) + (3 + 5)$

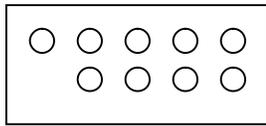
$3 \times 8 = 3 \times (3 + 5)$ han bwottsoni $3 + 5 = 8$



T'iwtuwer

han “() ” kep'i c'ra

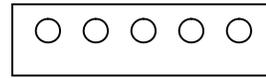
Bi/



3×9



$= 3 \times 4$



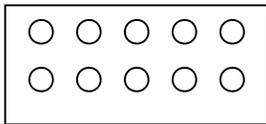
3×5

keezoti jediya keezoti awudo keezoti uutso

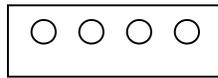
$3 \times 9 = (3 \times 4) + (3 \times 5)$

$3 \times 9 = 3 \times (4 + 5)$ han bwottoni $4 + 5 = 9$

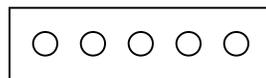
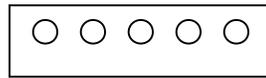
Ci/



3×10



3×4



3×6

hansha $3 \times 10 = (3 \times 4) + (3 \times 6)$

$3 \times 10 = (3 \times (4 + 6))$ han bwottsoni

$4 + 6 = 10$

Terwer 18

1/ ari aani wottso beyoki baashats s'eentuwer

Ariya:- A/ $3 \times 6 = (3 \times 2) + (3 \times 4)$

Bi/ $3 \times 10 = 3 \times (4+6)$

han bwottsoni $4+6 = 10$

1/ $3 \times 8 = (3 \times \underline{\quad}) + (3 \times \underline{\quad})$

2/ $3 \times 5 = (3 \times \underline{\quad}) + (3 \times \underline{\quad})$

3/ $3 \times 4 = (3 \times \underline{\quad}) + 3 \times \underline{\quad}$

4/ $3 \times 9 = (3 \times \underline{\quad}) + (3 \times \underline{\quad})$

2/ Haniye dashi aatosi aaniwer

Ariya :- A/ $3 \times (2+1) = (3 \times 2) + (3 \times 1)$

$= 6+3$

$= \underline{9}$

Bi/ $3 \times (1+1) = (3 \times 1) + (3 \times 1)$

$= 3+3$

$= \underline{6}$

1/ $3 \times (5+8) = \underline{\quad}$

2/ $3 \times (9+1) = \underline{\quad}$

3/ $3 \times (4+6) = \underline{\quad}$

4/ $3 \times (10+1) = \underline{\quad}$

5/ $3 \times (10+10) = \underline{\quad}$

6/ $3 \times (6+5) = \underline{\quad}$

7/ $3 \times (8+2) = \underline{\quad}$

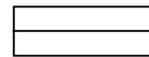
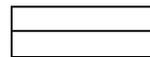
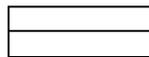
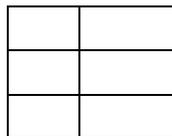
8/ $3 \times (3+2) = \underline{\quad}$

9/ $3 \times (10+2) = \underline{\quad}$

10/ $3 \times (8+4) = \underline{\quad}$

2/ S'en taawotsi 3 (keezosh) kayiya

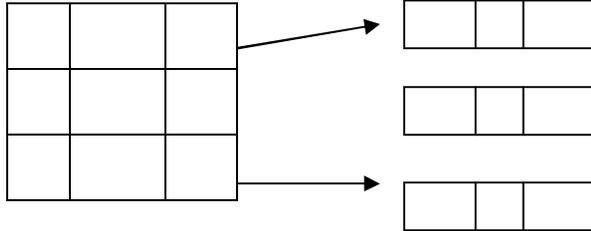
Ariya A/



6 kare woste ambts git karewotsne dataset ? han kayiy s'een mats keewi aato $6 \div 3 = 2$ err k'op'o faletuwe. Hansha 6 karewotse git kare wots. 3 jindona bobet han bwottso.

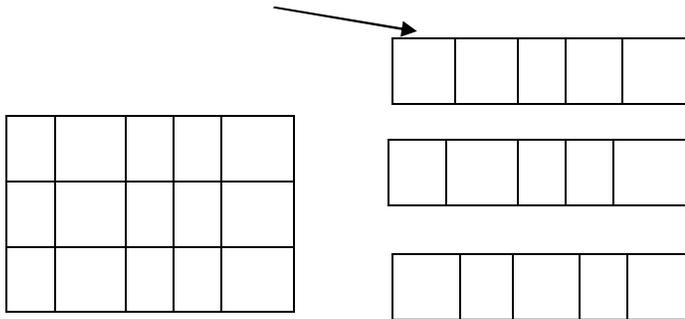
$3 \times 2 = 6$

Bi/



$9 \div 3 = 3$ han bwottsoni $3 \times 3 = 9$

Ci/



$15 \div 3 = 5$ han bwottsoni $3 \times 5 = 15$

Terwer – 9

1/ kayiyonat ayiyi jagewo kitsfets beyiki baashotsi s'entsuwer

Ariya:- $3 \div 3 = \square$ han bwottoni $3 \times 1 = 3$

1/ $6 \div 3 = \square$ han bwottsoni _____

2/ $9 \div 3 = \square$ han bwottsoni _____

3/ $21 \div 3 = \square$ han bwottsoni _____

4/ $30 \div 3 = \square$ han bwottsoni _____

5/ $24 \div 3 = \square$ han bwottsoni _____

6/ $33 \div 3 = \square$ han bwottsoni _____

7/ $27 \div 3 = \square$ han bwottsoni _____

8/ $36 \div 3 = \square$ han bwottsoni _____

9/ 39 \div 3 = han bwottsoni _____

10/ 63 \div 3 = han bwottsoni _____

11/ 72 \div 3 = han bwottsoni _____

12/ 81 \div 3 = han bwottsoni _____

Ap'i kic'a (Ap'i problemiya)

Ariya A/ Guyi nihi 36 ambaro shaashi eiero bdash bnihi guts ando bnihi dashatso keez kishon mukituwo bdashayal bnihi guts bdashts ambaro ambtse ?

aaniya 36 \div 3 = 12 bnihi guts bdashts ambaro 12

Bi/ dambets 15 mango shuuwotsi btoh 3 (keezotsh) talo bkayiyal ambts mango shuutsne bosh bodet ?

1. aras 3 muziyotsi 1 ambaron bkewiyal 30 muziyoyisi ambts ambaroneya bkewit ?
2. shanir ik kur mito 12 ambaron bkew kawets ando shanir bkewuts mitatse keez kishon mukit mito bkew kawets ambts ambare bikish
3. ik grami awutso 60 ambara ik grami keez kish k'autso abtse bwoti ?
4. ik k'aat'otse 21 daniruwots fano ik k'aat'otse 21 daniruwots fano ik taawi mas'afe 3 (keezosh) iimeyal ambts mas'afe bosh bgeyit ?
5. taa s'en taaw taana 3 taan itkayiyoya tbano 6 bwotit kone taa ?

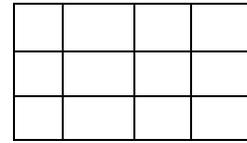
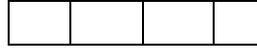
2.2.2. S'en taawotsi 4 (awudosh) ayiyonat kayiyona

1/ s'een taawotsi 4 (awudon ayiya)

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Ariya:-



	1x4	2x4	
	ikni awuda	gitoti awuda	3x4 keezotiawuda
Bi/	Fideliyona	taawona	boaya
	auwdoti awuda	4x4	16
	uutsoti awuda	5x4	20
	shmtoti awuda	8x4	32
	tatsoti awuda	10x4	40
	tatse ukoti awuda	11x4	44

Ci/ $4 \times 9 = 36$ hansh 36 awudon ayka

Terwer – 10

1/ ar wotts s'en taawo beyoki baashats s'entsuwer

Ariya:- A/ $1+1+1+1 = 4 \times 1$

1/ $7+7+7+7 = \underline{\quad} \times \underline{\quad}$ 2/ $9+9+9+9 = \underline{\quad} \times \underline{\quad}$

3/ $6+6+6+6 = \underline{\quad} \times \underline{\quad}$ 4/ $4+4+4+4+4 = \underline{\quad} \times \underline{\quad}$

2/ beyoki baashotsi s'eentsuwer

Ariya:- A/ 4, 4n ayka. Han bwottsoni $4 \times 1 = 4$

Bi/ 12, 4n ayka . Han bwottsoni $4 \times 3 = 12$

1/ 32 4n ayka . Han bwottsoni $\underline{\quad} \times \underline{\quad} = 32$

2/ 24 4n ayka . Han bwottsoni $\underline{\quad} \times \underline{\quad} = 24$

3/ 28 4n ayka. Han bwottsoni $\underline{\quad} \times \underline{\quad} = 28$

4/ 36 4n ayka. Han bwottsoni $\underline{\quad} \times \underline{\quad} = 36$

5/ 88 4n ayka . Han bwottsoni $\underline{\quad} \times \underline{\quad} = 88$

Ap'i kic'a (Ap'i problemiya)

Ariya:- mereerots ayo 20 Ik mereeri tufo bi'ayo awuda.

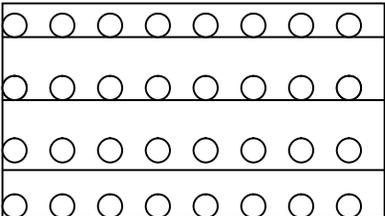
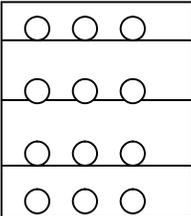
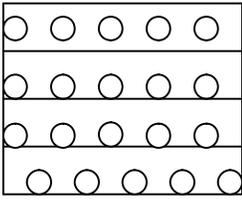
mereerots tufo jamon ambtse

aaniya Ik mereeri tufo 4 hansha $4 \times 20 = 80$ tufotsi detsfno

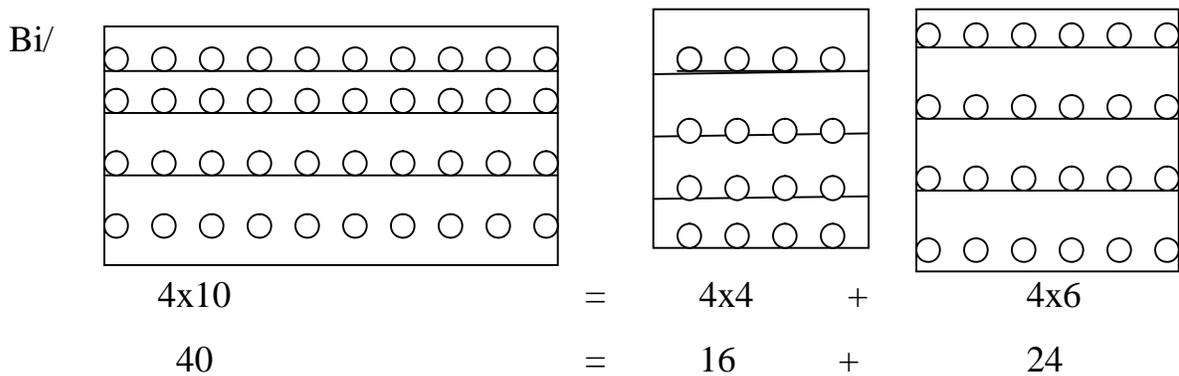
1. Aber 5 eeyishotsi detsfe. Ambesh ando aber eeyishotsiye awud kisho boget eeyishotsi bdetsal ambesh eyishots ayo ambtse ?
2. Roba shaashon bdatsiru ambarotse badi bado bankiyots bbezfo. Shaash han bbeztso 16 ambara roba ambaro shaashon ambtse ?
3. Gur jebi mootse koyets ashots 20 no btesh koc'omand ando 4 kishon ayat bodatse ashots ayo koc'omand ambtse btesh ?
4. Tnato 12 tinihiko ando tikatse 4 kishon bbogal tinihi naato ambtse ?
5. Gabay b keez (3) tohotssh botok tokon 4 rsasiyo bi'iim . Jamon gabay ambts rsasiye bdets btesh.

Aiyi bad'i niwa

Ariya:- A/

	=		+	
4×8		4×3		4×5
32	=	12	+	20

Hansha $32 = 4 \times 3 + 4 \times 5$
 $= 4 \times (3 + 5)$ han bwottsoni
 $3 + 5 = \underline{8}$



hansha $4 \times 10 = 4 \times 4 + 4 \times 6$

$$= 4 \times (4+6) \text{ han bwottsoni } 4+6 = 10$$

Terwer 11

1/ ar wotts s'een taawo beyoki baashats s'eentsuwer

Ariya :- $4 \times 11 = (4 \times 1) + (4 \times 10)$

1/ $4 \times 12 = (4 \times \underline{\quad}) + (4 \times \underline{\quad})$

2/ $4 \times 15 = (4 \times \underline{\quad}) + (4 \times \underline{\quad})$

3/ $4 \times 21 = (4 \times \underline{\quad}) + (4 \times \underline{\quad})$

4/ $4 \times 23 = (4 \times \underline{\quad}) + (4 \times \underline{\quad})$

5/ $4 \times 8 = (4 \times \underline{\quad}) + (4 \times \underline{\quad})$

6/ $4 \times 10 = (4 \times \underline{\quad}) + (4 \times \underline{\quad})$

7/ $4 \times 9 = (4 \times \underline{\quad}) + (4 \times \underline{\quad})$

8/ $4 \times 18 = (4 \times \underline{\quad}) + (4 \times \underline{\quad})$

9/ $4 \times 19 = (4 \times \underline{\quad}) + (4 \times \underline{\quad})$

10 $4 \times 17 = (4 \times \underline{\quad}) + (4 \times \underline{\quad})$

2/ Haniye dashi aatotsi aaniwer

Ariya:- $4 \times (3+5) = (4 \times 3) + (4 \times 5)$

$$= 12 + 20 = 32$$

1/ $4x(10+2) = \underline{\hspace{2cm}}$

2/ $4x(12+12) = \underline{\hspace{2cm}}$

3/ $4x(9+1) = \underline{\hspace{2cm}}$

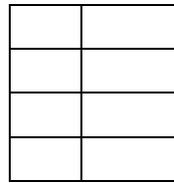
4/ $4x(4+7) = \underline{\hspace{2cm}}$

5/ $4x(20+51) = \underline{\hspace{2cm}}$

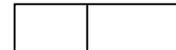
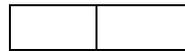
6/ $4x(8+12) = \underline{\hspace{2cm}}$

2/ s'een taawotsi 4 (awudosh) kayiya

Ariya:- A /



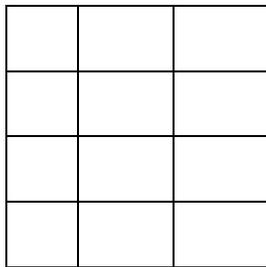
8



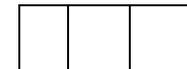
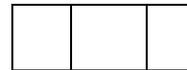
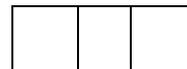
$8 \div 4 = 2$

8 kare wotse ambts 2 karewotsne dataset ? han kayiyi s'en matsi keewon kitseyor $8 \div 4 = 2$ hansha 8 karewotse 4 jindon beyiro git karewots fano eta.

Bi/



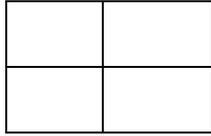
12



$12 \div 4 = 3$

Hansha $12 \div 4 = 3$ han bwottsoni $4 \times 3 = 12$

Ci/



$$4 \div 4 = 1$$



Hansha $4 \div 4 = 1$ han bwottsoni $4 \times 1 = 4$

Terwer 12

1/ kayir itdatstso beyoki baashat s'eentsuwer itdatsts aaniyo ar bwoto ayiyon gawiwer.

Ariya:- $4 \div 1 = 4$ han bwottsoni $4 \times 1 = 4$

1. $8 \div 4 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
2. $12 \div 4 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
3. $16 \div 4 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
4. $20 \div 4 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
5. $24 \div 4 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
6. $32 \div 4 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
7. $40 \div 4 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
8. $80 \div 4 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
9. $60 \div 4 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
10. $100 \div 4 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Ap'i kie'a (Ap'i problemiya)

Ariya:- mereerots tufi ayo 24 mereerots ayo amtse ?

aaniya ik mereero 4 tufotsi detsfe

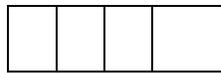
$$24 \div 4 = 6 \text{ hansha mereerots ayo } 6'$$

1. Datsin 8 muziyotsi gawiyatse bkew. Békewts muziyatse badi bado b́ tohosh bí iim b́tohosh bíimts muzi ayo ambtse ?
2. Ik sat'notse 16 keetots fano. 4 baaki indotssh botok tokon talo kayide noge piyal ik baaki indush ambts keetse bodet ?
3. Anan 4 kalamberotse badi bado btohush bi'iimal btohu ambts kalamber bdets ?
4. Taa s'een taawu taana. Awudon taan it'ayiyor 32 twotit kone taa?
5. 80 badi bado ambtse ?

2.2.3 s'een taawotsi 5 (uutson) ayiyonat kayiyona

A/ s'en taawotsi 5 (uutson) ayiya

Ariya :-



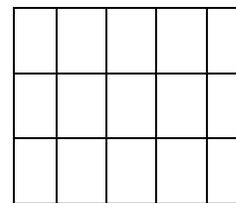
1x5

iknoti uutsa



2x5

gitoti uutsa



3x5

keezoti uutsa

Bi/ Fideliyona

taawona

bo'aya

Awudoti uutsa

4x5

20

Shrtoti uutsa

6x5

30

Shawatoti uutsa

7x5

35

Jediyoti uutsa

9x5

45

tatsoti uutsa

10x5

45

Ci/ $11 \times 5 = 55$ hansha 55 5n (uutson) ayka

Terwer 13

2/ Haniye dashi aatotsi fiinar beyoki baashotsi s'eentsuwer ?

Ariya :- A/ $5+5+5+5+5 = 5 \times 5$

Bi/ $2+2+2+2+2 = 5 \times 2$

1/ $8+8+8+8+8+8 = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$

2/ $2+2+2+2+2+2 = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$

3/ $20+20+20+20+20 = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$

4/ $30+30+30+30+30 = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$

2/ Haniye dashi iimets s'een taawotsitse 5n aytotsi galuwer.

1/ 5, 16, 20, 25, 30

2/ 8, 10, 45, 35

3/ 15, 25, 18, 20, 40

4/ 10, 15, 20, 36, 45

5/ 50, 35, 40, 25, 38

6/ 30, 40, 50, 66, 100

7/ 5, 10, 42, 45, 40

8/ 30, 60, 90, 100

Ap'i kic'a (Ap'i problemiya)

Ariya:- ayan 10 5 (uuts) santimi dinarotsi detsfe atan ambts

asntimi dinariyotsene bdets ?

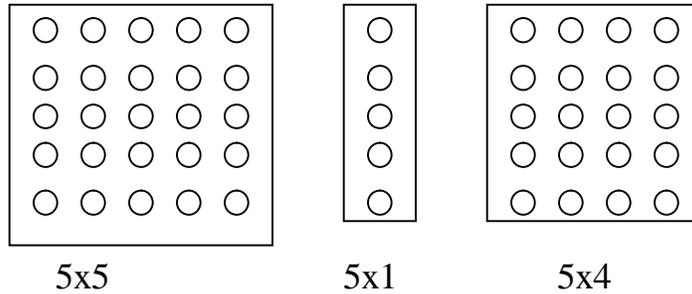
aaniya $5 \times 10 = 50$ ayan 50 santimi dinarotsi detsfe eta.

1. Asosi hospitalotse shnts aawots 12 ashots edisi shodatse bosile gitl aawon ikl aawatse uuts (5) kishon boget ashots bos'ile gitl aawon s'ilets ashots ayo ambtse ?
2. Ik k'aat'otse 20 daniruwots fano daniru jamots botok tokon 5 ambaro bokishiyal daniruwots jamon bokishts ambaro ambtse.
3. Ik kur mito b'ek'awutso 10 ambar bwotiyal 5 kur mito bk'awutso ambtse bwotit ?

4. Ik asho aawon 7 wanc' aatse bushet 5 awonambols wanc' aatse b'ushet.
5. nus'u 10 shayi wanc'otsi btok tokon 5 ambaron bkewiyal nus'u bkishts ambaro ambtse ?

Aiyi bad'i niwa

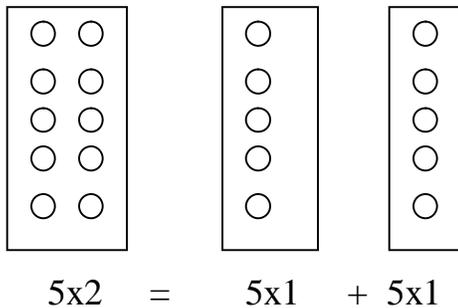
Ariya:- A/



hansha $25 = (5 \times 1) + (5 \times 4)$

$25 = 5 \times (1+4)$ han bwot tsoni $1+4 = 5$

Bi/



hansha $10 = (5 \times 1) + (5 \times 1)$

$10 = 5 \times (1+1)$ han bwottsoni $1+1 = 2$

Terwer – 14

1/ ar wotts s'en taawo beyoki baashats s'entsuwer

Ariya:- A/ $5 \times 7 = (5 \times 2) + (5 \times 5)$

Bi/ $5 \times 3 = (5 \times 2) + (5 \times 1)$

1. $5 \times 9 = (5 \times \underline{\quad}) + (5 \times \underline{\quad})$

2. $5 \times 6 = (5 \times \underline{\quad}) + (5 \times \underline{\quad})$

3. $5 \times 4 = (5 \times \underline{\quad}) + (5 \times \underline{\quad})$
4. $5 \times 13 = (5 \times \underline{\quad}) + (5 \times \underline{\quad})$
5. $5 \times 12 = (5 \times \underline{\quad}) + (5 \times \underline{\quad})$
6. $5 \times 14 = (5 \times \underline{\quad}) + (5 \times \underline{\quad})$
7. $5 \times 10 = (5 \times \underline{\quad}) + (5 \times \underline{\quad})$
8. $5 \times 18 = (5 \times \underline{\quad}) + (5 \times \underline{\quad})$
9. $5 \times 20 = (5 \times \underline{\quad}) + (5 \times \underline{\quad})$
10. $5 \times 18 = (5 \times \underline{\quad}) + (5 \times \underline{\quad})$

2/ Haniya dashi aatotsi fiinor

Ariya:- A/ $5 \times (4+2) = (5 \times 4) + (2 \times 2)$
 $= 20 + 10$
 $= \underline{30}$

Bi/ $5 \times (3+4) = (3 \times 5) + (5 \times 4)$
 $= 15 + 20$
 $= \underline{30}$

1/ $5 \times (10+2)$

2/ $5 \times (9+1)$

3/ $5 \times (11+9)$

4/ $5 \times (5+7)$

5/ $5 \times (12+1)$

6/ $5 \times (10+5)$

7/ $5 \times (8+8)$

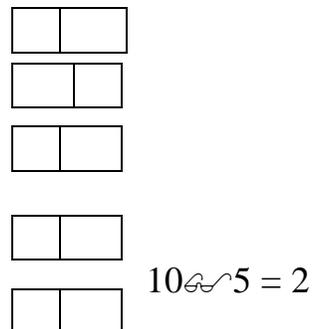
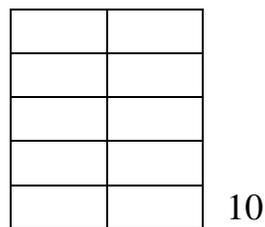
8/ $5 \times (10+5)$

9/ $5 \times (7+8)$

10/ $5 \times (9+10)$

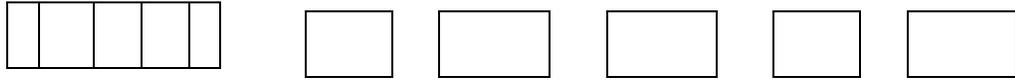
Bi/ S'een taawotsi uutsosh (s) kayiya

Ariya:- A/



hansha $10 \div 5 = 2$ han bwottsoni $5 \times 2 = 10$

Bi/



Hansha $5 \div 5 = 1$ han bwottsoni $5 \times 1 = 5$

Terwer – 15

1/ beyoki baashotsi s'eentsuwer

Ariya:- A/ $15 \div 5 = 3$ han bwottsoni $5 \times 3 = 15$

Bi/ $10 \div 5 = 2$ han bwottsoni $5 \times 2 = 10$

1. $20 \div 5 = \underline{\quad}$ han bwotsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
2. $25 \div 5 = \underline{\quad}$ han bwotsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
3. $30 \div 5 = \underline{\quad}$ han bwotsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
4. $35 \div 5 = \underline{\quad}$ han bwotsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
5. $40 \div 5 = \underline{\quad}$ han bwotsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
6. $45 \div 5 = \underline{\quad}$ han bwotsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
7. $50 \div 5 = \underline{\quad}$ han bwotsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
8. $60 \div 5 = \underline{\quad}$ han bwotsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
9. $80 \div 5 = \underline{\quad}$ han bwotsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
10. $100 \div 5 = \underline{\quad}$ han bwotsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Ap'i kic'a (Ap'i problemiya)

Ariya:- Alami blokambiyose 15 ambaro detsfa ambar man b'eshu uutsotssh talo bkayal botok tokosh ambts ambare bosh bodet ?

aanita $15 \div 5 = 3$ hansha botok tokosh 3 ambara bodet.
(kbebiyotse)

1. Iik dani maatse datseyiru edisi gareyotse beyiru ashots ayo 50 ysh manotsitse ik uutsloni (1/5/ nugush bowotiyal nugushots ayo ambtse ete ?
2. 60 ik uutslo (1/5) ambtse ?
3. Ik k'aat'otse 40 joorots fano. Jooranots ik jindon 5 beziyal k'osh k'oshjindo ambtsjoore bet ?
4. kawets 20 kalamberots bimish uutsotssh talo bka'iyal botok token ambts kalam bere bodet ?
5. Daatsi 5 kilo buno 45 ambawn bkew ik kilo buni k'awutso ambtse ?

2.2.4. s'een taawotsi '1' nat '0' ayiyonat '1' (ikosh) kayiya

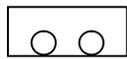
A/ s'een taawotsi '1' nat '0' n ayiya

s'een taawotsi '0' n ayiya

Ariya 1



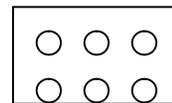
2



2



2



$$3 \times 2 = 6$$

2/



1



1



1



$$3 \times 1 = 3$$

3/



○



○



○



$$= 3 \times 0 = 0$$

4/ $4 \times 0 = 0 + 0 + 0 + 0 = 0 = 0$

T'iwitsuwer

jam s'een taawoni '0' n bo'ayora bi'iimetuwo
btokoni "0"

Terwer -16

1/ Haniya dashi beyoki baashotsi s'eentsuwer

$1/ 8 \times 0 = \underline{\hspace{2cm}}$

$2/ 10 \times 0 = \underline{\hspace{2cm}}$

$3/ 60 \times 0 = \underline{\hspace{2cm}}$

$4/ 26 \times 10 = \underline{\hspace{2cm}}$

$5/ 80 \times 0 = \underline{\hspace{2cm}}$

$6/ 25 \times 0 = \underline{\hspace{2cm}}$

S'en taawotsi '1' n ayiya

Ariya:- A/ $\boxed{\circ} + \boxed{\circ} = \boxed{\circ \circ} \quad 2 \times 1 = 2$

Bi/ $\boxed{\circ} + \boxed{\circ} + \boxed{\circ} = \boxed{\circ \circ \circ} \quad 3 \times 1 = 3$

Ci/ $5 \times 1 = 1+1+1+1+1 = 5$

T'iwitsuwer

jam s'een taawots '1' n bo'ayor bi'iimetawoni
btoken s'een taawoni

Terwer – 17

Haniye dashi aatotsi ayiyon fiinar beyoki baashats s'eentsuwer

$1. 10 \times 1 = \underline{\hspace{2cm}}$

$2/ 20 \times \underline{\hspace{2cm}}$

$3. 23 \times 1 = \underline{\hspace{2cm}}$

$4/ 92 \times 1 = \underline{\hspace{2cm}}$

$5/ 100 \times 1 = \underline{\hspace{2cm}}$

$6/ 55 \times 1 = \underline{\hspace{2cm}}$

S'en taawotsi` (ikosh) kayiya

Ariya 1/ $1 \times 1 = 1$ han bwot tsoni $1 \times 1 = 1$

2. $2 \times 1 = 2$ jan bwottsoni $1 \times 2 = 2$

3. $3 \times 1 = 3$ han bwottsoni $1 \times 3 = 3$

4. $0 \times 1 = 0$ han bwottsoni $1 \times 0 = 0$

T'iwitsuwer

jam s'een taawo '1' (ikosh) bkayiyor bi'iimet
bano btokon s'een taawu mani

Terwer -18

1/ haniye dashi aatotsi fiinar bi'iimet bano beyoki
baashats s'eentsuwer.

Ariya:- 1. $5 \text{ } \curvearrowright \text{ } 1 = 5$ han bwottsoni $1 \times 5 = 5$

2. $0 \text{ } \curvearrowright \text{ } 8 = 0$ han bwottsoni $8 \times 0 = 0$

3. $0 \text{ } \curvearrowright \text{ } 7 = 0$ han bwottsoni $7 \times 0 = 0$

1. $6 \text{ } \curvearrowright \text{ } 1 = \underline{\hspace{2cm}}$ han bwottsoni $1 \times \underline{\hspace{2cm}} = 6$

2. $7 \text{ } \curvearrowright \text{ } 1 = \underline{\hspace{2cm}}$ han bwottsoni $1 \times \underline{\hspace{2cm}} = 7$

3. $8 \text{ } \curvearrowright \text{ } 1 = \underline{\hspace{2cm}}$ han bwottsoni $1 \times \underline{\hspace{2cm}} = 8$

4. $15 \text{ } \curvearrowright \text{ } 1 = \underline{\hspace{2cm}}$ han bwottsoni $1 \times \underline{\hspace{2cm}} = 15$

5. $23 \text{ } \curvearrowright \text{ } 1 = \underline{\hspace{2cm}}$ han bwottsoni $1 \times \underline{\hspace{2cm}} = 23$

6. $0 \text{ } \curvearrowright \text{ } 1 = \underline{\hspace{2cm}}$ han bwottsoni $1 \times \underline{\hspace{2cm}} = 0$

7. $0 \text{ } \curvearrowright \text{ } 12 = \underline{\hspace{2cm}}$ han bwottsoni $12 \times \underline{\hspace{2cm}} = 0$

8. $0 \text{ } \curvearrowright \text{ } 30 = \underline{\hspace{2cm}}$ han bwottsoni $30 \times \underline{\hspace{2cm}} = 0$

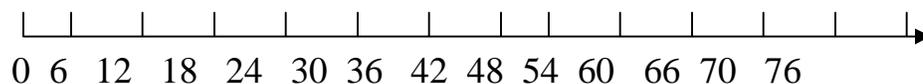
9. $0 \text{ } \curvearrowright \text{ } 35 = \underline{\hspace{2cm}}$ han bwottsoni $35 \times \underline{\hspace{2cm}} = 0$

10. $0 \text{ } \curvearrowright \text{ } 9 = \underline{\hspace{2cm}}$ han bwottsoni $9 \times \underline{\hspace{2cm}} = 0$

2.3. S'een taawotsi 6'n ,7n, 8n, 9n ayiyonat kayiyona

2.3.1. S'een taawotsi 6n ayiyonat kayiyona

A/ S'een taawotsi 6n ayiya



$1 \times 6 = \square$
 $2 \times 6 = \square$
 $3 \times 6 = \square$
 $4 \times 6 = \square$
 $5 \times 6 = \square$
 $6 \times 6 = \square$
 $7 \times 6 = \square$
 $8 \times 6 = \square$

1/ Haniye dashi jando s'eentsuwer

A	$A \times 6 =$
3	$3 \times 6 = 18$
4	
5	
6	
7	
8	
9	
10	

I	$I \times 6 =$
9	$9 \times 6 = 54$
11	
0	
1	

Terwer 19

1/ Haniy adashi aatotsi fiinor ?

Ariya:-

$$A/ 4$$

$$\underline{x6}$$

$$\underline{24}$$

$$1/ 7$$

$$\underline{x6}$$

$$Bi/ 11$$

$$\underline{x6}$$

$$\underline{66}$$

$$2/ 10$$

$$\underline{x6}$$

$$3/ 1$$

$$\underline{x6}$$

$$4/ 0$$

$$\underline{x6}$$

$$5/ 6$$

$$\underline{x8}$$

$$6/ 6$$

$$\underline{x3}$$

$$7/ 6$$

$$\underline{x2}$$

$$8/ 6$$

$$\underline{x6}$$

Ayiyi bad'i niwa

Ariya:- 1/ $6x8 = 6x(3+5) = (6x3) + (3x5)$

2/ $6x10 = 6x(5+5) = (6x5) + (6x5)$

Terwer – 20

Beyoki baashotsi s'eentsuwer.

1/ $6x12 = (6x_____) + (6x_____)$

2/ $6x4 = (6x_____) + (6x_____)$

3/ $6x15 = (6x_____) + (6x_____)$

4/ $6x13 = (6x_____) + (6x_____)$

5/ $6x16 = (6x_____) + (6x_____)$

6/ $6x11 = (6x_____) + (6x_____)$

Ap'i kic'a (Ap'i problemiya)

Ariya: ik sararitiyu 6 tufotsi detsfa 10 sararitiyots

ambts tufe

bodets ?

aaniya 1 sariti tufoni = 6

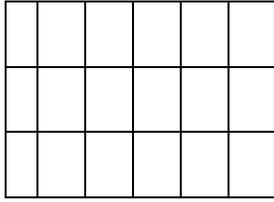
tats sarititotsi = 10×6

hansha 10 sariti tufoni 60

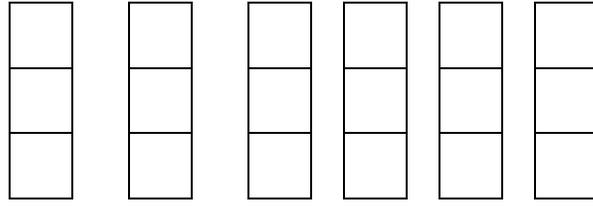
- 1 ik mas'afi k'awutso 20 ambar bwotiyal ik naari 6
mas'afots k'awutso ambtse bwoti ?
2. Ik angi fiinan k'eeyiru asho aawon 7 ambaro bish dasheyal 6 aawotse
ambtse bish dashet ?
3. 6 baaki indots botok takon 5 baaki nana'otsi bodetsal baak nana'ots ayo
ambtse?
4. shanets 6 tahi samunotsi botook tookon 1 ambaron bkewiyal jamon
ambts ambare bikish ?
5. Ik kaat'otse 6 jindon matsets jorots fano. Jindotsats botook tookon 10
daniruwots berno k'aat'otse beyiru daniruwots ayo ambtse ?

Bi/ S'een taawotsi 6 (shrtosh) kayiya

Ariya:- A/

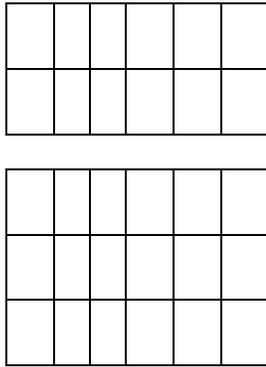


18

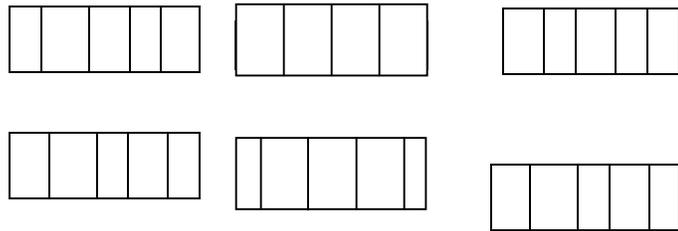


$$18 \div 6 = 3$$

Bi/



30



$$30 \div 6 = 5$$

Terwer 21

1/ Beyiki baashotsi s'entsuwer

Ariya:- $60 \div 6 = 10$ han bwottsoni $6 \times 10 = 60$

1/ $48 \div 6 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

2/ $36 \div 6 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

3/ $96 \div 6 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

4/ $66 \div 6 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

5/ $54 \div 6 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

6/ $90 \div 6 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

7/ $84 \div 6 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

8/ $78 \div 6 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

2/ Haniye dashi jaando s'eentsuwer

A	$u \div 6$
18	3
24	
30	
54	

I	$I \div 6$
12	2
42	
72	
6	

Ap'i kic'a (Ap'i problemiya)

Ariya:- Balets 6 kobiyotsi 6 daniruwo'tssh talo bka'iyal
botook tookon ambts kobiye bodet ?

aaniya:- $6 \div 6 = 1$ hantsh botook tookosh 1 kobiya bodet ?

1/ Guyi 24 ambaro bnana'a 6 (shrtosh) talo bka'iyal
nana'otssh botook tookon ambts ambare bodet ?

2/ 6 ambaron ik godo bkewiyal 30 ambaron ambts gode
bkewit ?

3/ 6 goshtsots 54 minzi indotsi shiron detsfno minzi
indotsi talo boka'iyal ik goshtsosh ambts minz
indotsne bish bodet ?

4/ 6 ambaron ik mas'afo tkew 42 ambaaron ambts ik
naari mas'afotsi kewituta?

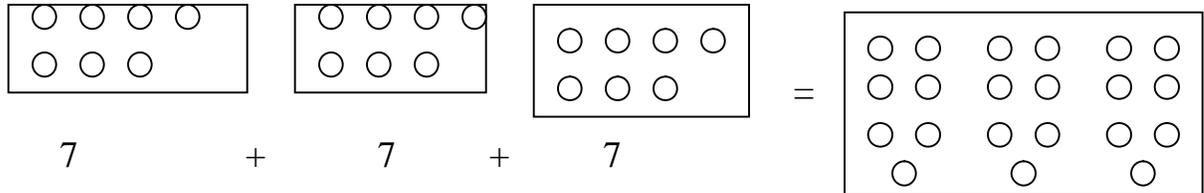
5/ 60 mas'afotsi 6 daniruwo'tssh talo ka'iyie daniruwo'tssh
botook tookon ambtse bosh bodet ?

2.3.2 S'een taawotsi '7'n ayiyonat kayiyona

A/ S'een taawotsi 7n ayiya

Ariya:- A/ $7+7+7 = 3 \times 7$

$$= 21$$



$$7 + 7 + 7$$

$$3 \times 7 = 21$$

Bi/ $5 \times 7 = 7+7+7+7+7 = 35$

Terwer – 22

1/ Beyoki baashotsi s'entsuwer

$$1/ 47 = \underline{\hspace{2cm}}$$

$$2/ 67 = \underline{\hspace{2cm}}$$

$$3/ 77 = \underline{\hspace{2cm}}$$

$$4/ 107 = \underline{\hspace{2cm}}$$

$$5/ 97 = \underline{\hspace{2cm}}$$

$$6/ 117 = \underline{\hspace{2cm}}$$

2/ Haniye dashi jando s'entsuwer

A	A7
O	
1	
2	
3	

Ap'i kic'a (Ap'i problemiya)

Ariya:- Ik gawiyotse 7 aawots fano. Git gawiyotse abts aawotsne beet ?

aaniya

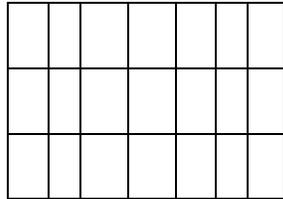
$$1/ \text{gawiyotse} = 7 \text{ aawa}$$

$$2/ \text{gawiyotse} = 27 = 14 \text{ hansha git gawiyotse tse 14 aawo fa'e}$$

- 1 Abesh b jagotsi aato bogalomand amt keez gawito bbeya ambts aawe bjaa ete ?
- 2 gabay btoh gitosh botook tookon 7 mango shuwotsi bi'iim gabay bdetsts mango shuwots ambtsno btesh?
2. Ayan gur guro tur ats giwishi fiino bfiinefo 5 gawiyosh ats giwishi fiinman bfiinital ambts aawo fiinere ete ?
3. geet' 7 kalaberotsi botook tookon 10 satimon bkewiyal bikishts ambaro ambtse ?
4. 7 eyishots botook tookon 4 bu k'ulotsi boshuwal buk'ulotsayo ambtse ?

Bi/ 7 (shawatosh) kayiya

Ariya A/

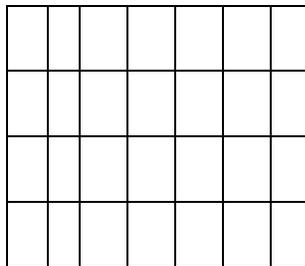


21

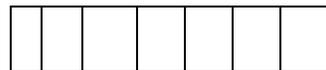
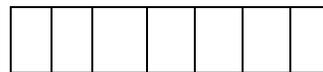


$21 \div 3 = 7$

Bi/



28



$28 \div 4 = 7$

Terwer – 23

1/ beyoki baashotsi s'eentsuwer

Ariya $7 \div 7 = 1$ han bwottsoni $7 \times 1 = 7$

$35 \div 7 = 5$ han bwottsoni $7 \times 5 = 35$

1/ $21 \div 7 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

2/ $35 \div 7 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

3/ $49 \div 7 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

4/ $63 \div 7 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

5/ $70 \div 7 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

6/ $56 \div 7 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

7/ $42 \div 7 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

8/ $14 \div 7 = \underline{\quad}$ han bwottsoni $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

2/ Haniye dashi jando s'entsuwer

I	$I \div 7$	Han bwottsoni
77	11	$7 \times 11 = 77$
84		
91		
98		
0		

Ap'i kic'a (Ap'i problemiya)

Ariya:- Guyi 42 ambaaro detsfe. Bnana'a shawatotssh talo

bka'iyal ambts ambtse bosh bodet ?

aanita $42 \div 7 = 6$

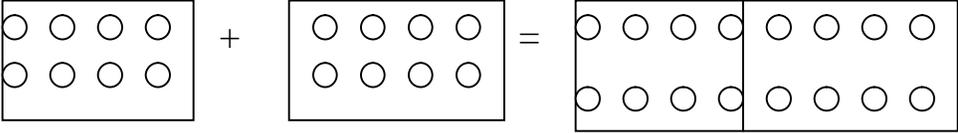
1. Ambise 49 ambaron 7 baakotsi bkew ik baaki k'awutso ambtse
2. ik birotse 7 joorots betuno 56 joorots ambts biroshe bowoti ?
3. 7 mishi k'awotsoni 56 ambara .Ik mishi kawutso ambtse ?

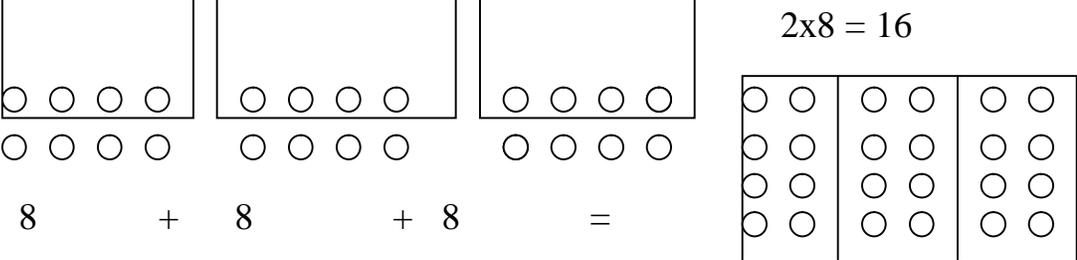
4. adamu 63 keetsotsi kewerw. 7 keetsotsi ik aawi guri mishosh k'ac'de bmal bkewts keetsots ambts aawi guri mishosh wotituwa ?
5. ik mas'afi k'awutso 7 ambaar bwotiyal 70 ambaron ambts ik naari mas'afotsi kew falituwa ?

2.3.3. S'een taawotsi 8 n (shmtan)

ayiyonat kayiyona

A/ s'en taawotsi 8 n (shmtan) ayiya

Ariya: A/  $2 \times 8 = 16$

Bi/  $3 \times 8 = 24$

Ci/ $4 \times 8 = 8 + 8 + 8 + 8 = \underline{32}$

Di/ $6 \times 8 = 8 + 8 + 8 + 8 + 8 + 8 = \underline{48}$

Terwer – 24

1/ Beyoki baashotsi s'entsuwer

1. $9 \times 8 = \underline{\hspace{2cm}}$

2/ $7 \times 8 = \underline{\hspace{2cm}}$

3/ $10 \times 8 = \underline{\hspace{2cm}}$

4/ $11 \times 8 = \underline{\hspace{2cm}}$

5/ $8 \times 8 = \underline{\hspace{2cm}}$

6/ $12 \times 8 = \underline{\hspace{2cm}}$

2/ Haniye dashi jando s'entsuwer

x	0	1	2	3	4	5	6	7	8	9	10
2											
4											
8											

3/ 8 nat 4n aytsotsi galuwer

1/ 56, 64, 16,

2/ 98, 48, 4

3/ 49, 72 36

4/ 24, 14, 28

4/ 4nat 2n aytsotsi galuwer

1/ 16, 8, 15

2/ 32, 6, 12

3/ 68, 72, 94

4/ 16, 64, 81

5/ 63, 64, 67

6/ 57, 56, 72

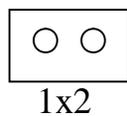
7/ 80, 83, 95

8/ 84, 88, 92

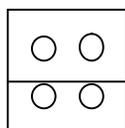
8 (shmt) ayitsotsi)

Dan haniye shinona 2 nat 4 ayitsotsi s'ilxro hanats turni 2 ton 4 ton, ayitsotsi jagewo nosilet.

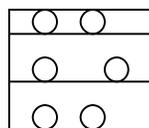
Ariya:- A/



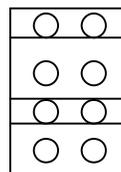
1x2



2x2

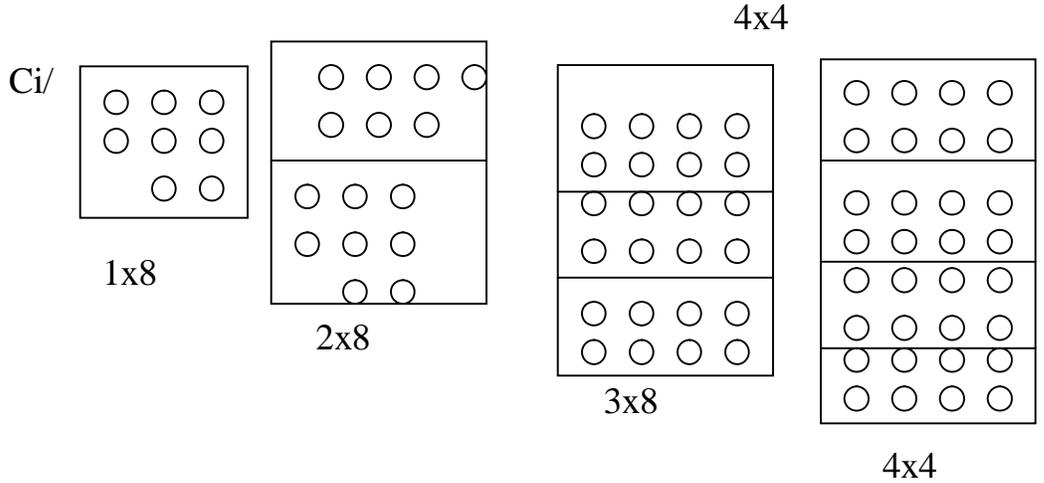
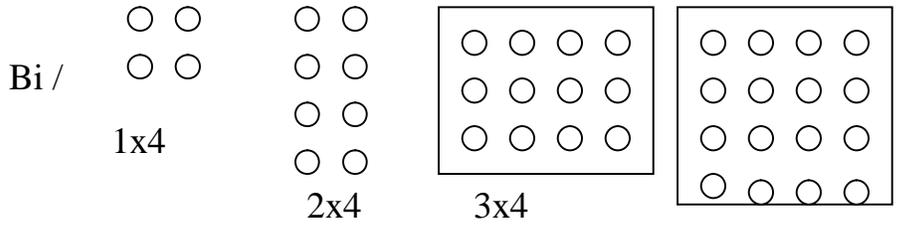


3x2



4x2





hansha $4 \times 2 = 1 \times 8$,
 $2 \times 2 = 1 \times 4$

T’iwituwer

Jam 4n aytsoni giton ayituwe jam 8 n aytsoni gitonat awudin ayituwe.

Terwer – 25

1/ Bo’ ayo beyoki baashats s’eentsuwer

- | | |
|-------------------------|-------------------------|
| 1/ $1 \times 2 =$ _____ | 2/ $1 \times 4 =$ _____ |
| 3/ $2 \times 2 =$ _____ | 4/ $2 \times 4 =$ _____ |
| 5/ $3 \times 2 =$ _____ | 6/ $3 \times 4 =$ _____ |
| 7/ $1 \times 8 =$ _____ | 8/ $3 \times 8 =$ _____ |

2/ Haniye dashi ap’i kic’otsi fiinor

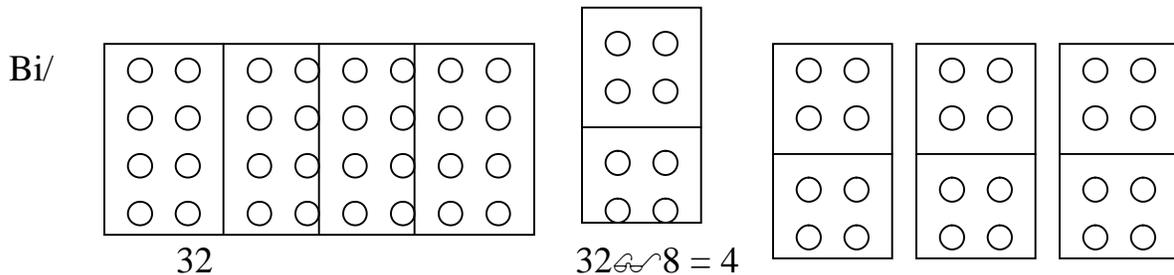
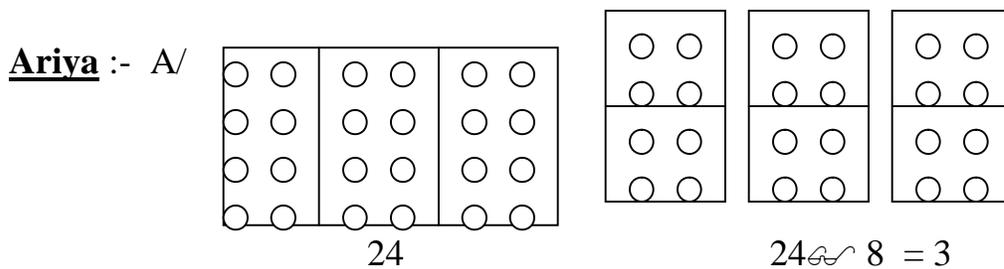
Ariya:- wundas ik waanc’ fuuro 8 ambaron bkewiyal

awud waanc' fuuro ambts ambaroneya bkewit?

aaniya $8 \times 4 = 32$ wundas awud waanc' fuuro 32 ambaarona
bkewit

1. Eeba aawon 8 ambaaro datstefs uuts aawosh bfiiniyal jamon ambts ambaare b datsit ?
2. Ik baaki k'awutso 8 ambar bwotital 6 baakots k'awutso ambtse bwotit ?
3. 8 daniruwots bo took tookon 7 mitotsi botokal ambts mitotsne jamon botoket ?
4. shanir shmt nana'otsi detsfa. Bnana'a jamotssh botook tookon shmt muzitoysi bkewiyal jamon ambts muziyotsne b kew ?

Bi/ **8 (shmtosh) kayiya**



Terwer – 26

1/ beyoki baashotsi s'eentsuwer

Ariya:- $8 \div 8 = 1$ han bwottsoni $8 \times 1 = 8$

$24 \div 8 = 3$ han bwottsoni $8 \times 3 = 24$

1/ $80 \div 8 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

2/ $72 \div 8 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

3/ $40 \div 8 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

4/ $32 \div 8 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

5/ $64 \div 8 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

6/ $48 \div 8 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

7/ $88 \div 8 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

8/ $16 \div 8 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Haniye dashi ap'i kic'otsi fiinor

Ariya:- Aras shmt ambaron ik shurabiyo bkewiyal 32

ambaron ambts shurobiye bkewit ?

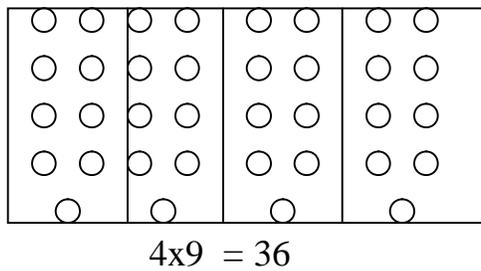
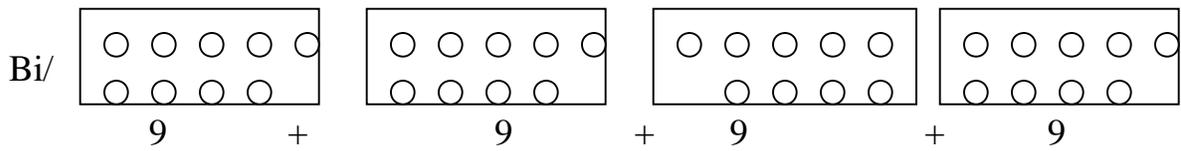
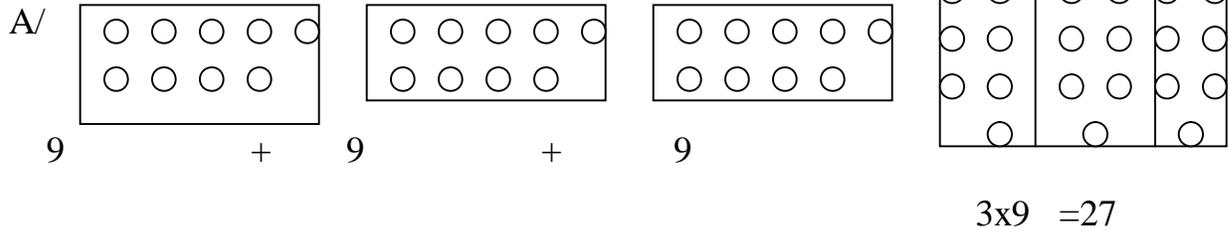
aaniya $32 \div 8 = 4$

1. shashitu 64 ambaro detsfa btesh. Bnana'a shmtosh talo bka'iyal botool tookon ambts ambare bodet ?
2. Biritu shmt ambaron ik baako bkewiyal 40 ambaron ambts bake bkewit ?
3. ik k'aatotse ik jindon shmt daniruwots bo betuwok'o k'aleyal 72 daniruwots ambts jindone bobeeet ?
4. shmt goshtsots 40 kuntal gesho talo kayo bogeyal botook tookon ambts kutale bosh bodet ?

2.3.4 S'en taawotsi 9 n ayyonat kayiyona

A/ S'en taawotsi 9 n ayiya

Ariya:-



Ci / $9+9+9+9+9 = 5 \times 9 = \underline{45}$

Terwer – 27

1/ beyoki baashotsi s'eentsuwer

1/ $8 \times 9 = \underline{\hspace{2cm}}$

2/ $10 \times 9 = \underline{\hspace{2cm}}$

3/ $7 \times 9 = \underline{\hspace{2cm}}$

4/ $6 \times 9 = \underline{\hspace{2cm}}$

5/ $11 \times 9 = \underline{\hspace{2cm}}$

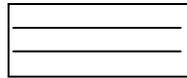
6/ $9 \times 9 = \underline{\hspace{2cm}}$

2/ Haniye dashi jaando ayiyon fiinar s'eentsuwer ?

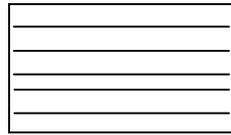
x	9	8	7	6	5	4	3	2	0
0									
1									
2									
3									
4									
5									
6									

9 (jed'i) ayotsi

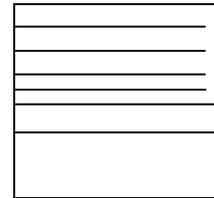
Ariya:- A/



1x3



2x3

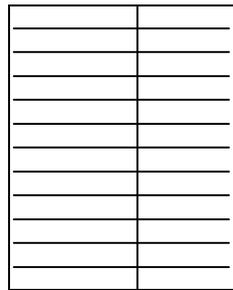


3x3

Bi/



1x9



2x9

hansha $3 \times 3 = 1 \times 9$ nat $6 \times 3 = 18 = 2 \times 9$

T'iwitsuwer

Jam 9 ayyiru s'en taawots 3 (keezono)
ayyituno

Terwer – 28

1/ kee zonat jed'iyon ayyiruwotsi beyoki baashats s'en
tsuwer.

Ariya:- $2 \times 3 = 6$ $6 \times 3 = 18$, $2 \times 9 = 18$

1/ $4 \times 3 = \underline{\hspace{2cm}}$, $12 \times 3 = \underline{\hspace{2cm}}$, $4 \times 9 = \underline{\hspace{2cm}}$

2/ $6 \times 3 = \underline{\hspace{2cm}}$, $18 \times 3 = \underline{\hspace{2cm}}$, $6 \times 9 = \underline{\hspace{2cm}}$

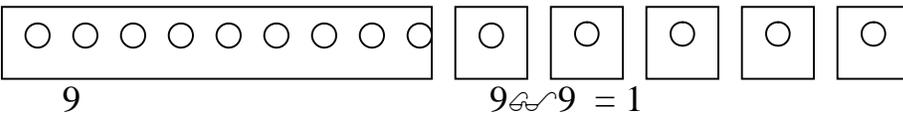
3/ $7 \times 3 = \underline{\hspace{2cm}}$, $21 \times 3 = \underline{\hspace{2cm}}$, $7 \times 9 = \underline{\hspace{2cm}}$

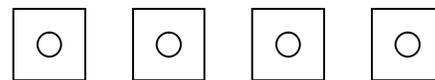
4/ $9 \times 3 = \underline{\hspace{2cm}}$, $27 \times 3 = \underline{\hspace{2cm}}$, $9 \times 9 = \underline{\hspace{2cm}}$

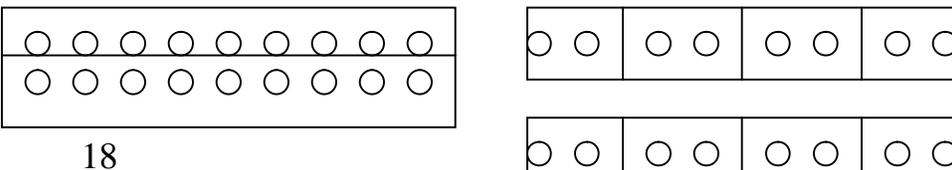
2/ jandotse beyiru beyoki baashotsi s'entsuwer

x	1	2	3	4	5	6	7	8	9
3							21		
9							63		

Bi/ S'een taawotsi 9 (jed'iyosh) kaviya

Ariya:- A/ 



Bi/ 

$18 \div 9 = 2$

Terwer – 29

1/ Haniye dashi beyoki baashotsi s'eentsuwer

Ariya:- $90 \div 9 = 10$ han bwottsoni $9 \times 10 = 90$

1/ $81 \div 9 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

2/ $45 \div 9 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

3/ $36 \div 9 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

4/ $45 \div 9 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

5/ $54 \div 9 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

6/ $63 \div 9 = \underline{\hspace{2cm}}$ han bwottsoni $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Ap'i kic'a (Ap'i problemiya)

Ariya :- Baanesh ik samuno 3 ambaaron bkewiyal jed'i samunotsi ambts ambaaroneya bkewit ?

aaniya $3 \times 9 = 27$

1. ik jooro awud tufotsi detsfe. jed'i joorots tufo ambtse bwoti ?
2. ik mango shuuwi k'awutso uuts santima jed'I mango shuwots k'awutso ambtse bwoti
3. angon fiinat k'eyiru ashi iko aawon 7 ambaro bdatsiyal jed'I aawon ambts ambare bdatsit ?
4. shanets ik ambron 10 burutukani shuwotsi b kewiyal jed'I ambaron ambts burutukani shuwotsne bkewit

2.3.5. s'een taawotsi botook tokon ayiya

Ariya:- A/



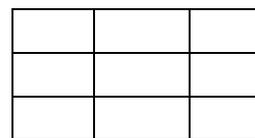
$$1 \times 1 = 1$$



$$2 \times 2 = 4$$



$$3 \times 3 = 9$$



T'iwitsuwer

Jam s'een taawotsi botook tokon no'ayiyor
bi'iimetuwo s'een taawuman botokon
aytsotsi etefo

- iko btookon no'ayiyora bi'iimetuwo 1
- gito btoo kon no'ayiyora bi'iimetuwo 4
- keezo btoo kon no'ayiyora bi'iimetuwo 9

hansha 1,4,9 took tokon ayotsoni etefo.

Terwer- 30

1/ took tookon ayts s'een taawotsi guuride kitsuwer

1/ 36, 21, 24

2/ 24, 18, 27

3/ 14, 18, 20, 25

3/ 81, 45, 64

5, 8, 9, 6

6/ 72, 48, 100

2/ 1-9 bod fetso beyiru s'en taawotsi botook tookon ayiyide took tookon ayts s'een taawotsi geyor.

Ap'i kic'a (Ap'i problemiya)

Ariya :- 63 minz beerotsi jed'i gosh tsotssh taalo ka'iyoy
itgeyiyal goshtsots botook tookon ambts
minz beerotsne bosh bodet ?

aaniya $63 \div 9 = \underline{7}$

1. mamu 45 ambaaro detsfe btesh Bnana'a jed'iyoysh taalo bka'iyal bnana'otssh botook tookon ambts ambaare bodet ?
2. 72 mas'afotsi jed'i daniruwotssh taalo ka'iyoy. Daniru jamotssh bo took tookon ambts mas'afotsne bosh bodet ?
3. ik gawiyotse 7 aawots fano. Jed'i gawitotse ambts aawotsne beet ?

2.4. Tanots shine shuutsa

Awud tanotsi etefotsi dabona, k'awona, ayiyonat kayiyon. Hanotsno botook tookon danro ani ando ikoniye bogi tanotsi detsts aatotsi fiinituwo.

Ariya A/ $3 + (7 \times 2)$
 $= 3 + 14$
 $= \underline{17}$

- shin kep'otse beyiru ayiyi
tano fiinar manatse dabi tano
nofiinit

Bi/ 8- (2×3)

- Shin kep'otse beyiru ayiyi

$$= 8-6$$

2

$$Ci/ (9 \text{ } \curvearrowright \text{ } 3) +6$$

tano fiinare manatse k'awi

tano nofiinit

- Shin kep'otse beyiru kayiyi

tano fiinar manatse dabi tano
nofiinit

$$Di/ (18 \text{ } \curvearrowright \text{ } 6) - 6 \text{ shin kep'otse beyiru kayiyi tano}$$

$$= 3- 3 \text{ fiinar manatse k'awi tano nofiinit}$$

= 0

Terwer – 31

Haniye dashi aatotsi fiinar it' aaniyo beyoki baashats s'entsuwer

$$1/ 2+ (5 \times 8) = \underline{\hspace{2cm}} \quad 2/ 3 \times (4+6) = \underline{\hspace{2cm}}$$

$$3/ (5-2) \times 2 = \underline{\hspace{2cm}} \quad 4/ 9 \times (10-9) = \underline{\hspace{2cm}}$$

$$5/ (20 \text{ } \curvearrowright \text{ } 2) +6 = \underline{\hspace{2cm}} \quad 6/ (42 \text{ } \curvearrowright \text{ } 7) +10 = \underline{\hspace{2cm}}$$

$$7/ (81 \text{ } \curvearrowright \text{ } 9) -7 = \underline{\hspace{2cm}} \quad 8/ (44 \text{ } \curvearrowright \text{ } 4) - 10 = \underline{\hspace{2cm}}$$

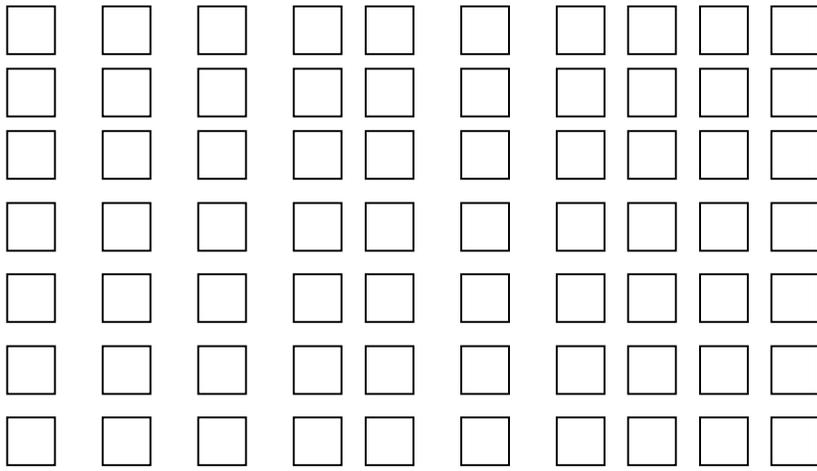
k'ot'ok keeza (3)

100 bodfetso beyiru s'en taawotsi

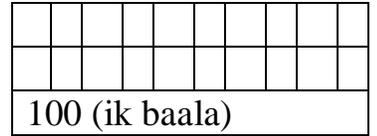
3.1 100 ayotsi

1.

□	□	□	□	□	□	□	□	□	□
□	□	□	□	□	□	□	□	□	□
□	□	□	□	□	□	□	□	□	□

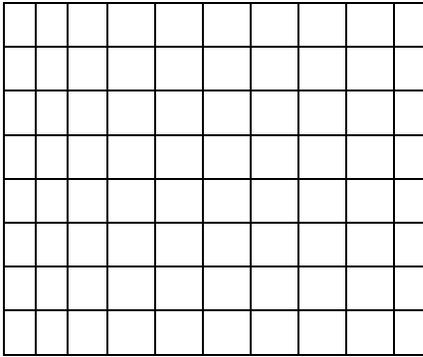


$$10+10+10+10+10+10+10+10+10+10 = \underline{100}$$

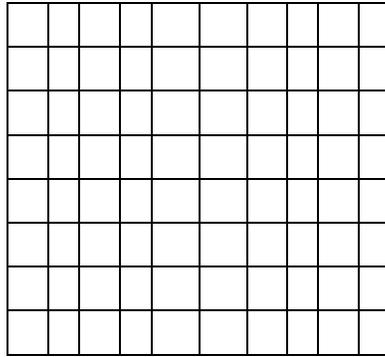


2 /

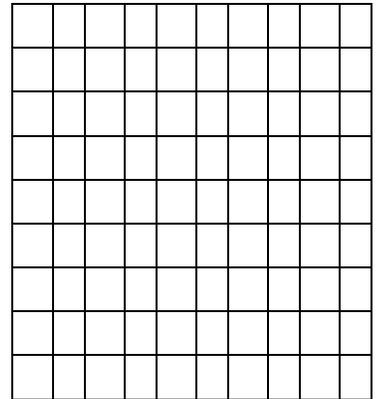
$$10 \times 10 = \underline{100}$$



100 +



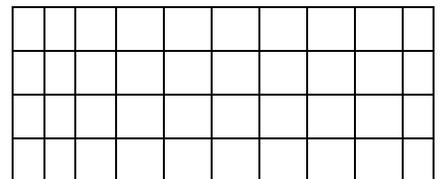
$$100 = 200$$

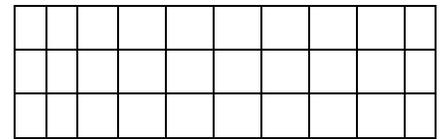
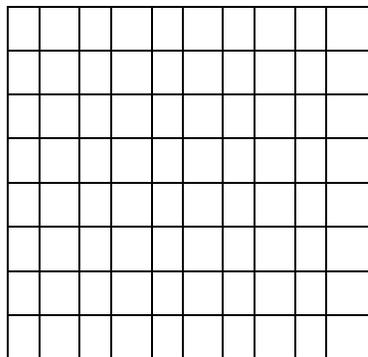
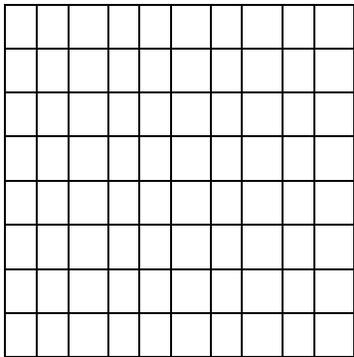


200 (git boala)

$$2 \times 100 = 200$$

3 /





$$\begin{array}{r}
 100 \\
 + \quad 100 \\
 + \quad 100 = 300
 \end{array}$$

(keez baala)

$$\begin{aligned}
 4/ \quad 100+100+100+100 &= 4 \times 100 \\
 &= \underline{400}
 \end{aligned}$$

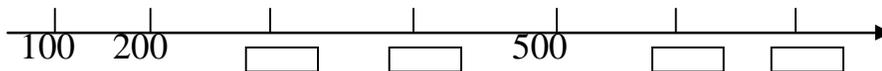
Terwer -1

1/ fideliyon k'op'ets s'een taawotsi taawon guud'er

1/ shrt baala = _____ 2/ shawat baala = _____

3/ jed'i baala = _____ 4/ awud baala = _____

2/ Taawi toos' jindatse beyiru beyoki baashotsis s'eentsuwer.



3/ Haniye dashi s'een taawotsi fideliyon guud'er

1/ 800 = _____ 2/ 500 = _____

3/ 600 = _____ 4/ 1000 = _____

4/ Haniye dashi aatotsi fiinar beyoki baashotsats s'eentsuwer.

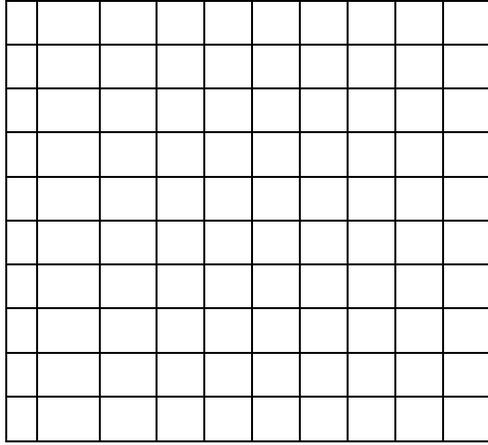
Ariya:- A/ 400 = 100+300

1/ 700 = 300 + _____ 2/ 500 = 200 + _____

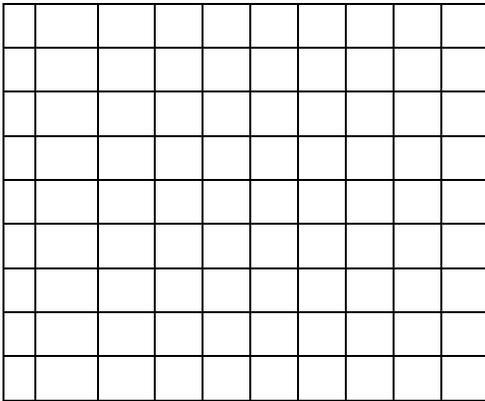
3/ 400 = 300 + _____ 4/ _____ + 600 = 900

5/ 500 + _____ = 1000 6/ 300 + _____ = 800

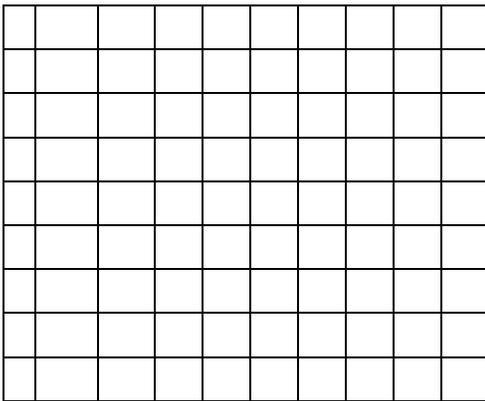
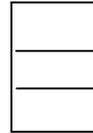
101 tur 1000 bodfetso beyiru s'een taawotsi



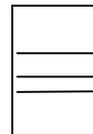
$$100 + 2 = 102$$



$$100 + 3 = 103$$



$$100 + 4 = 104$$



Terwer -2

1/ Taawon iimetsotsi fiideliyon guud'er

Ariya:- 101 = ik bale ika

1/ 102 = _____ 2/ 103 = _____

3/ 104 = _____ 4/ 105 = _____

5/ 106 = _____ 6/ 107 = _____

7/ 108 = _____ 8/ 109 = _____

2/ Fideliyon iimetsotsi taawon guud'er

Ariya:- ik bale'ika = 101

1. Ik bale gita = _____

2. Ik bale keeza = _____

3. Ik bale uutsa = _____

4. Ik bale shawata = _____

5. Ik bale cuwda = _____

6. Ik bale shmta = _____

7. Ik bale sharta = _____

8. Ik bale jed'iya = _____

3/ Haniye dashi iimets taawotsitse baona, tatsonat iko tson

ayo beyoki baashotsats s'eentsuwer

Ariya A/ 101 = 1 bala + 0 tatsotsit ikotsi

Bi/ 102 = 1 bala + 0 tatsatsi + zikotsi

1/ 103 = _____ bala + _____ + tatsotsi + _____ ikotsi

2/ 104 = _____ bala + _____ + tatsotsi + _____ ikotsi

3/ 105 = _____ bala + _____ + tatsotsi + _____ ikotsi

4/ 106 = _____ bala + _____ + tatsotsi + _____ ikotsi

5/ 107 = _____ bala + _____ + tatsotsi + _____ ikotsi

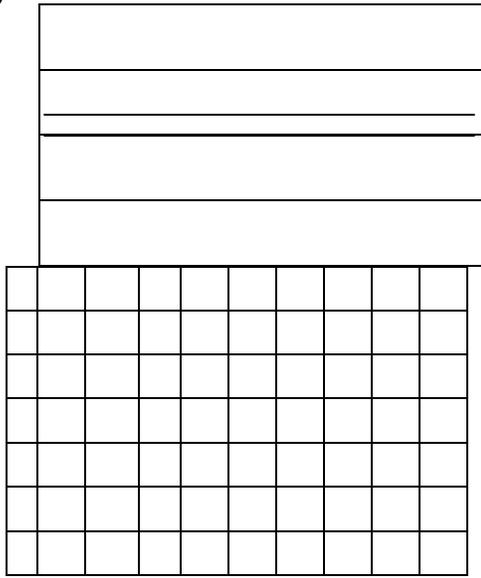
6/ 108 = _____ bala + _____ + tatsotsi + _____ ikotsi

7/ 109 = _____ bala + _____ + tatsotsi + _____ ikotsi

8/ 110 = _____ bala + _____ + tatsotsi + _____ ikotsi

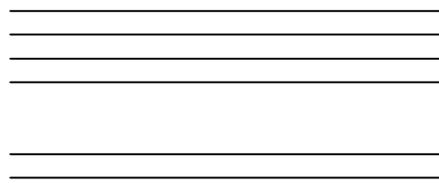
Andfetso 100 tse ture 110 bodfetso beyiru s'een taawotsi danro. Andani

100

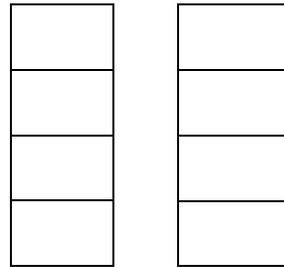


$$100+10+1 = 111$$

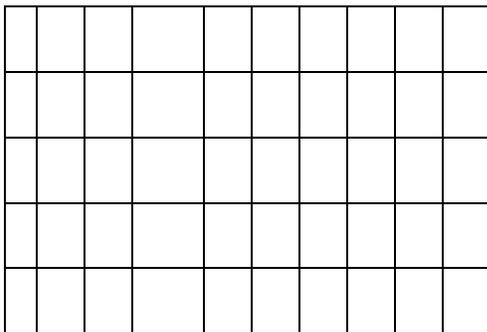
tse tur 199 fetso beyiru s'een taawotsi danetuwo.



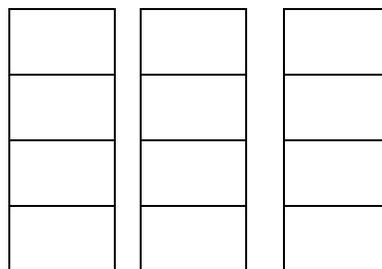
$$100 + 10 + 9$$



$$= 119$$



$$100+20+9=129$$



$$100 + 30 + 9 = 139$$

Ik bala + shaasha + jed'iya = ik bale shaashe jed'iya

$$100 + 40 + 8 = 148$$

Ik bala + haba + shmta = ik bale habe shmta

$$100 + 70 + 6 = 176$$

Ik bala + shaba + shrta = ik bale shabe shrta

$$100 + 80 + 7 = 187$$

Ik bala + shama + shawata = ik bale shame shmta

$$100 + 90 + 9 = 199$$

Ik bala + yed'a + jed'iya = ik bale yed'e jed'iya

Terwer – 3

1/ Haniye dashi iimets taawotsi tse biyiru baalotsi tatsots nat

ikots ayo beyoki baashats s'eentsuwer.

Ariya:- $173 = 1 \text{ baala} + 7 \text{ tatsotsi} + 3 \text{ ikotsi}$

1/ $124 = \underline{\hspace{1cm}} \text{ bala} + \underline{\hspace{1cm}} \text{ tatsotsi} + \underline{\hspace{1cm}} \text{ ikotsi}$

2/ $125 = \underline{\hspace{1cm}} \text{ bala} + \underline{\hspace{1cm}} \text{ tatsotsi} + \underline{\hspace{1cm}} \text{ ikotsi}$

3/ $136 = \underline{\hspace{1cm}} \text{ bala} + \underline{\hspace{1cm}} \text{ tatsotsi} + \underline{\hspace{1cm}} \text{ ikotsi}$

4/ $143 = \underline{\hspace{1cm}} \text{ bala} + \underline{\hspace{1cm}} \text{ tatsotsi} + \underline{\hspace{1cm}} \text{ ikotsi}$

5/ $155 = \underline{\hspace{1cm}} \text{ bala} + \underline{\hspace{1cm}} \text{ tatsotsi} + \underline{\hspace{1cm}} \text{ ikotsi}$

6/ $157 = \underline{\hspace{1cm}} \text{ bala} + \underline{\hspace{1cm}} \text{ tatsotsi} + \underline{\hspace{1cm}} \text{ ikotsi}$

7/ $164 = \underline{\hspace{1cm}} \text{ bala} + \underline{\hspace{1cm}} \text{ tatsotsi} + \underline{\hspace{1cm}} \text{ ikotsi}$

8/ $182 = \underline{\hspace{1cm}} \text{ bala} + \underline{\hspace{1cm}} \text{ tatsotsi} + \underline{\hspace{1cm}} \text{ ikotsi}$

9/ $188 = \underline{\hspace{1cm}} \text{ bala} + \underline{\hspace{1cm}} \text{ tatsotsi} + \underline{\hspace{1cm}} \text{ ikotsi}$

10/ $190 = \underline{\hspace{1cm}} \text{ bala} + \underline{\hspace{1cm}} \text{ tatsotsi} + \underline{\hspace{1cm}} \text{ ikotsi}$

2/ Haniye dashi fideliyon iimetsotsi taawotsi taawi c' iron

guud'er

Ariya:-

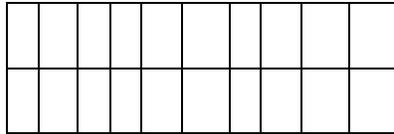
- 1/ Ik bale tatse keeza = 113
- 2/ Ik bale hiye gita = _____
- 3/ Ik bale shaashe uutsa = _____
- 4/ Ik bale tatse jed' iya = _____
- 5/ Ik bale tatsa = _____
- 6/ Ik bale shaashe jed' iya = _____
- 7/ Ik bale habe gita = _____
- 8/ ik bale balk' atse = _____
- 9/ Ik bale sise uutsa = _____
- 10/ Ik bale shame keeza = _____
- 11/ Ik bale yed' i ika = _____

3/ Haniye dashi taawon k'op'etsotsi fideliyon guud'er

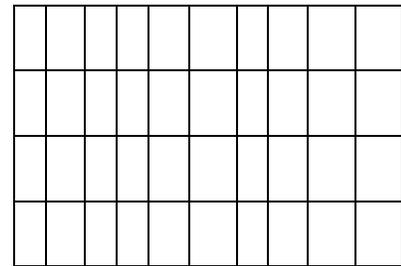
- | | |
|-----------------|-----------------|
| 1/ 114 = _____ | 2/ 119 = _____ |
| 3/ 112 = _____ | 4/ 125 = _____ |
| 5/ 134 = _____ | 6/ 108 = _____ |
| 7/ 126 = _____ | 8/ 140 = _____ |
| 9/ 162 = _____ | 10/ 167 = _____ |
| 11/ 178 = _____ | 12/ 188 = _____ |
| 13/ 190 = _____ | 14/ 199 = _____ |
| 15/ 192 = _____ | 16/ 196 = _____ |

Haniye shn 199 bodfetso beyiru s'ee ntaawotsi nababonat dabon bad'ide fiino danro and ani 1000 bodfetso beyiru s'een taawotsi danetuwo.

Ariya :-



100



90



$$100 + 99 + 1 = 200 \text{ (git bala)}$$

$$\text{Ariya A/ } 200 + 9 = 209 \text{ (git bala)}$$

$$\text{Bi/ } 500 + 8 = 508 \text{ (uuts bale shmta)}$$

Terwer – 4

(1) fideliyon k'op'ets s'een taawotsi taawon guud'er

1. ik bale tatse git _____
2. keez bale hiye jed'iya _____
3. shrt bale awuda = _____
4. shmt bale jed'iya _____
5. awud bale tatsa = _____
6. uuts bale gita = _____
7. jed'i bale gita = _____
8. git bale jed'iya = _____

Baalotsna, tatsotsnat ikotsi ayo beyoki baashotsats s'en tsuwer.

- 200 _____ balotsi _____ tatsotsi _____ ikotsi
- 206 _____ balotsi _____ tatsotsi _____ ikotsi
- 209 _____ balotsi _____ tatsotsi _____ ikotsi
- 217 _____ balotsi _____ tatsotsi _____ ikotsi
- 329 _____ balotsi _____ tatsotsi _____ ikotsi
- 465 _____ balotsi _____ tatsotsi _____ ikotsi

3/ Taawon k'op'etsotsi fideliyon guud'er

- | | |
|-----------------|-----------------|
| 1/ 326 = _____ | 2/ 337 = _____ |
| 3/ 298 = _____ | 4/ 416 = _____ |
| 5/ 589 = _____ | 6/ 619 = _____ |
| 7/ 675 = _____ | 8/ 786 = _____ |
| 9/ 797 = _____ | 10/ 802 = _____ |
| 11/ 837 = _____ | 12/ 860 = _____ |
| 13/ 867 = _____ | 14/ 899 = _____ |
| 15/ 900 = _____ | 16/ 963 = _____ |
| 17/ 980 = _____ | 18/ 999 = _____ |

4/ Fideliyots k'awutson fiinar beyoki bashats seentsuwer.

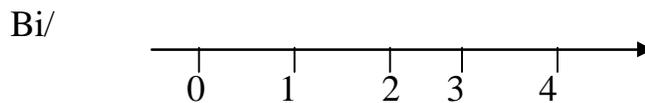
A	30+A
2	
3	
4	
5	
6	

Bi	400+Bi
4	
5	
6	
7	
8	

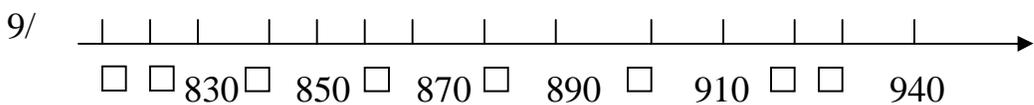
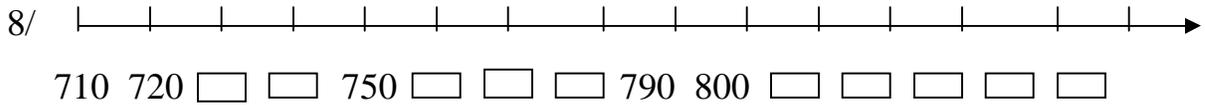
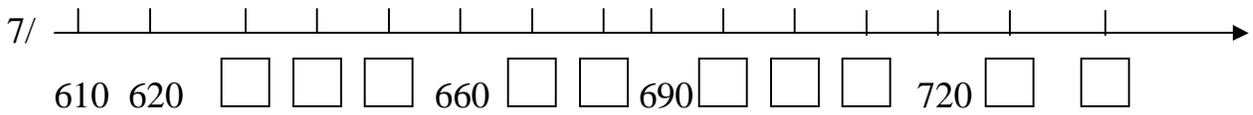
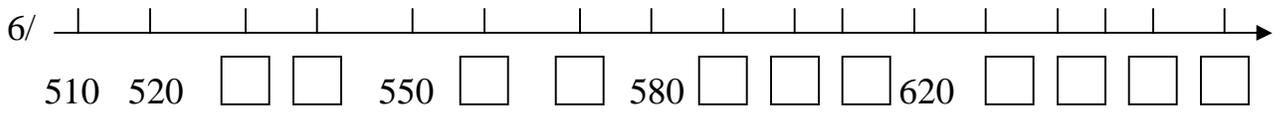
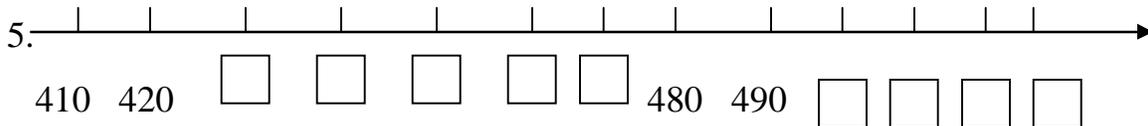
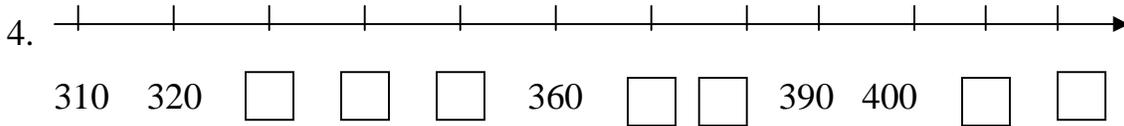
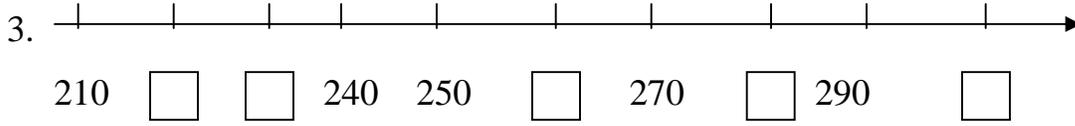
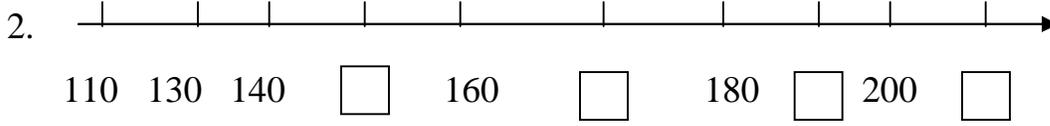
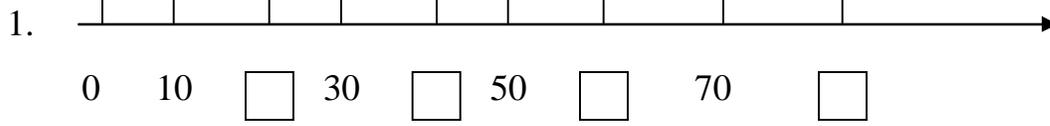
I	800+I
6	806
7	
8	
9	
10	

1000 bodfetso beyiru s'een taawots shine shuutsa

Ariya:- A/ s'een taawots jamo tuwoko zeroyi (0)



Terwer -5



2/ Haniye dashi iimets s'en taawotssh boshinatsi s'een taawo

gewor

Ariya:- 100 shino 99

112 shino 111

1/ 110	2/ 120	3/ 130	4/ 140
5/ 118	6/ 150	7/ 158	8/ 160
9/ 165	10/ 400	11/ 490	12/ 520
13/ 560	14/ 690	15/ 700	16/ 800
17/ 980	18/ 999	19/ 845	20/ 66

3/ Haniye dashi iimets s'en taawotssh boshutsatsi s'een taawo

gewer

Ariya:- 109 shutso 110

320 shutso 321

1/ 119	2/ 149	3/ 109	4/ 140
5/ 121	6/ 199	7/ 209	8/ 229
9/ 339	10/ 509	11/ 669	12/ 599
13/ 719	14/ 739	15/ 779	16/ 999
17/ 500	18/ 694	19/ 702	20/ 829

4/ jandotse beshets s'een taawotsi s'eentsuwer

1	121	123			126		128		130		132
---	-----	-----	--	--	-----	--	-----	--	-----	--	-----

2	159		161				165			168	
---	-----	--	-----	--	--	--	-----	--	--	-----	--

3	789		791			794			797		
---	-----	--	-----	--	--	-----	--	--	-----	--	--

4	871			974			877					882	
---	-----	--	--	-----	--	--	-----	--	--	--	--	-----	--

5	987	989				993			
---	-----	-----	--	--	--	-----	--	--	--

5/ Beyoki baashats “< ” wokin “> ” c’iranotsi gerde taawotsi nokoriwer ?

Ariya A/ 115 < 118

Bi/ 400 > 300

1/ 109 _____ 199

2/ 119 _____ 129

3/ 143 _____ 132

4/ 301 _____ 300

5/ 300 _____ 800

6/ 378 _____ 738

7/ 438 _____ 420

8/ 489 _____ 389

9/ 199 _____ 105

10/ 555 _____ 333

11/ 678 _____ 786

12/ 690 _____ 585

13/ 837 _____ 387

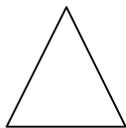
14/ 812 _____ 281

15/ 901 _____

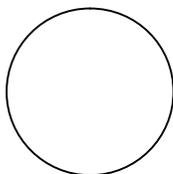
16/ 999 _____ 989

K’ot’ok Awuda (4)

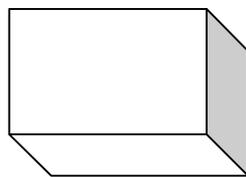
Ji’ometiri arotsi



keez nal k’etsi



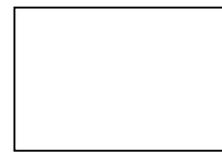
guurka



s’at’ina



t’asa



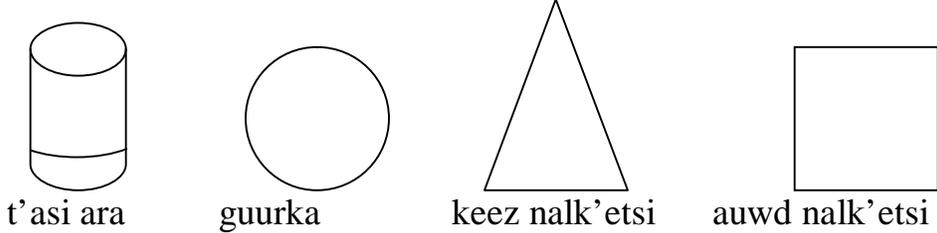
Awud nalk’ets

Terwer – 1

1 haniye dashi aatotsi aaniwer

1. itgalotse guurki aro destts keewotsi keewuwer
2. itgalotse sat'ini aro detsts keewotsi keewuwer
3. keez nalk'ets aro detsts keewotsi keewuwer
4. t'asi aro detsts keewotsi keewuwer
5. awud nalk'ets aro detsts keewotsi keewuwer

4.1 Ji'ometri arotsi galonat shuuts iimona



Terwer – 2

1/ Beyoki baashotsi s'entsuwer

1/ kunti aro ebi bi'ar ?

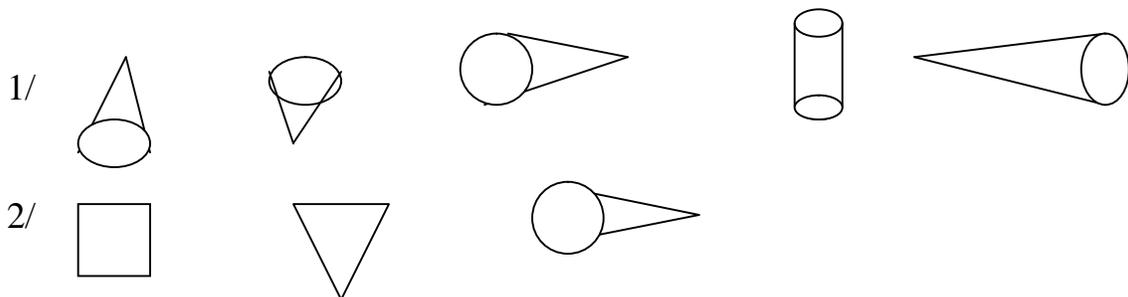
2/ ak mari aro ebi bi'ar ?

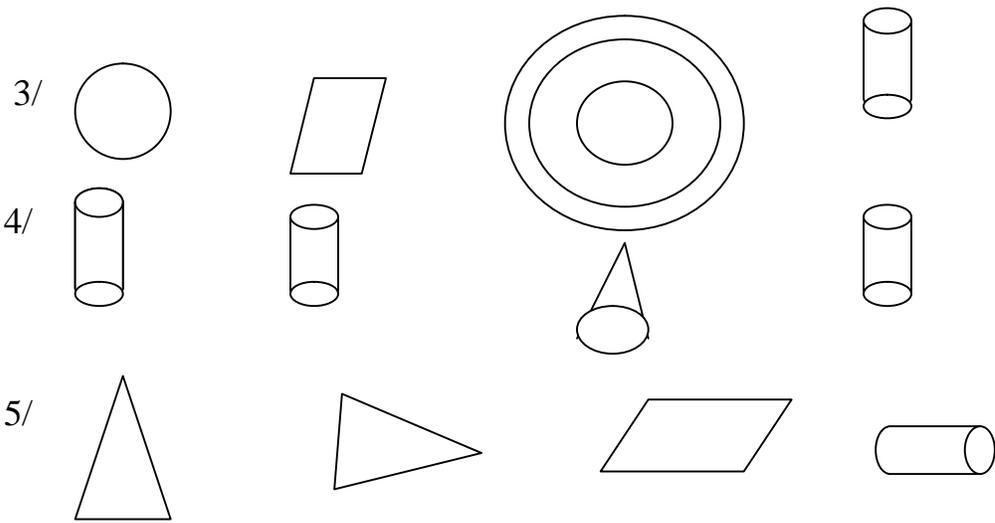
3/ dani maa moskoti aro ebi bi'ar ?

4/ gawi aro ebi bi'ar ?

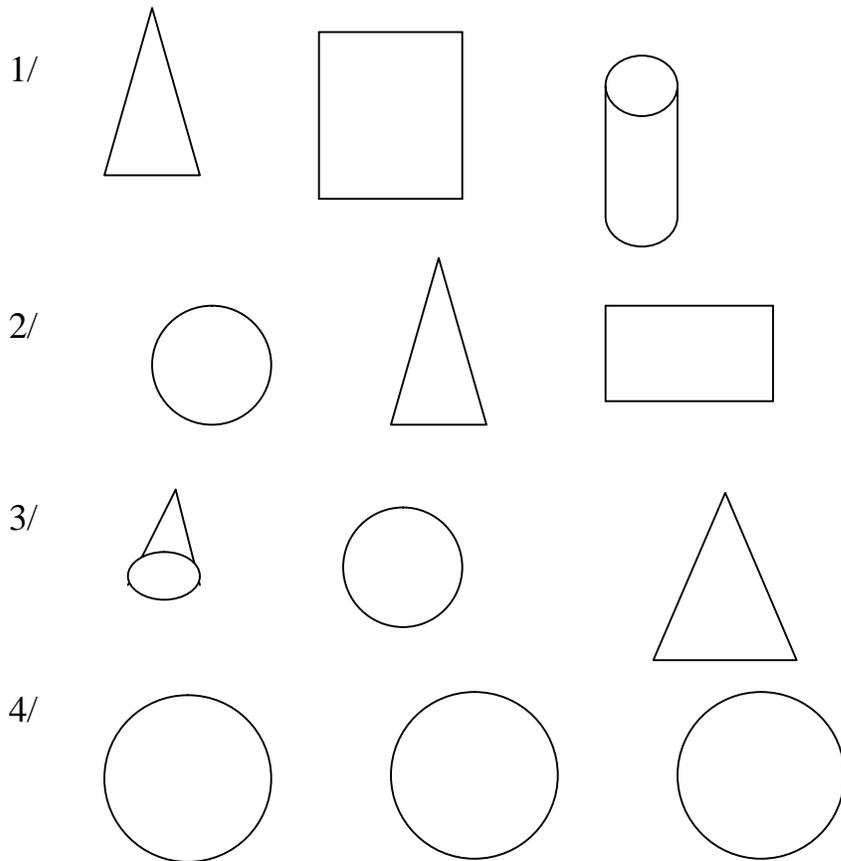
5/ mishi aro ebi bi'ar ?

2/ Haniye dashi iimets arotsi ik naarotsi gauwer





3/ Iimets arotssh shuutso iimer



4/ Haniye dashi aatotssh aro fiinor

1/ T'arob'z ara

2/ rsasi ara

3/ keez nalk'etsi ara

4/ awud nalk'etsi ara

4.2 K'op'onat jindona

4.2.1. K'op'a

“●” han k'op'i c'ira

K'op'otsi fideliyotsn shuutsetuwe

Ariya

A ●

Bi ●

I ●

k'op' "A" etefo

k'op' "Bi" etefo

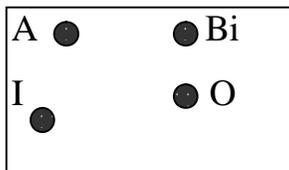
k'op' 'I' etefo

Tiwitsuwer

genzonat eed'on desha c'ira k'op'o

Terwer – 3

1/ beyoki baashotsi s'eentsuwer



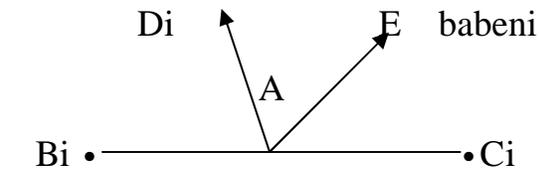
1/ sat'inotse ambts k'op'e fa'o _____

2/ k'op'otssh iimets shuutsots ____, _____

_____ nat _____ erniya guut'et:

2/ haniye dashi aran s'ilr aatotsi aani wo

danguri



1/ glgeli kitsiru k'op'o kone?

2/ danguri kitsiru k'op'o kone?

3/ dabas'o kitsiru k'op'o kone ?

dabas'a glgeli

madura

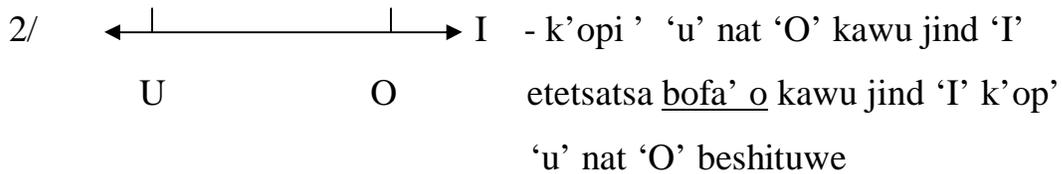
4/ babeni kitguru k'op'o kone ? _____

5/ mandaro kitguru k'op'o kone? _____

4.2.2. kawu jinda



K'opi' nat 'u' beshiru jindo fa'e kawu jind manu 'O' eteka. kawu jind 'O' tse k'op' 'A' nat 'U' datsetuno.



Kawu jindo git k'op'otsn shuuts iimo falefe. Ariyosh kawu jind 'I' k'osh weeri s'egon uo ers'ego faletuwe 

“” kawu jindi c'ira

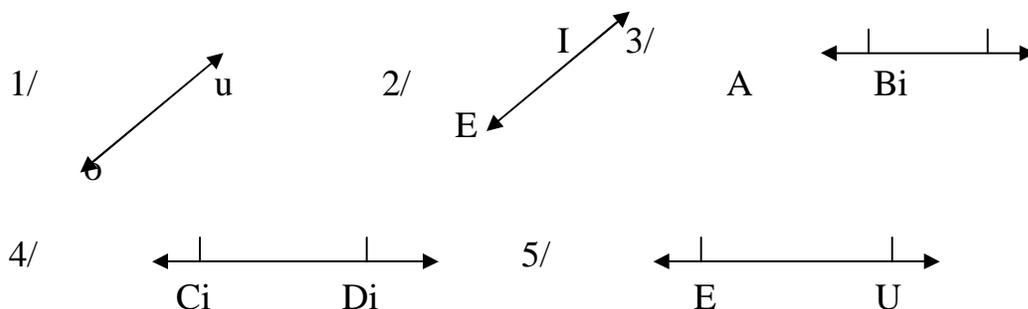
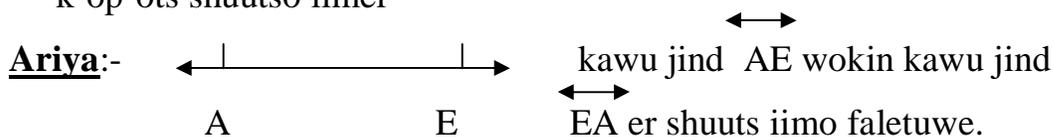
T'iwitsuwer

kawu jindo tuwokonat bodewoko desha jinda

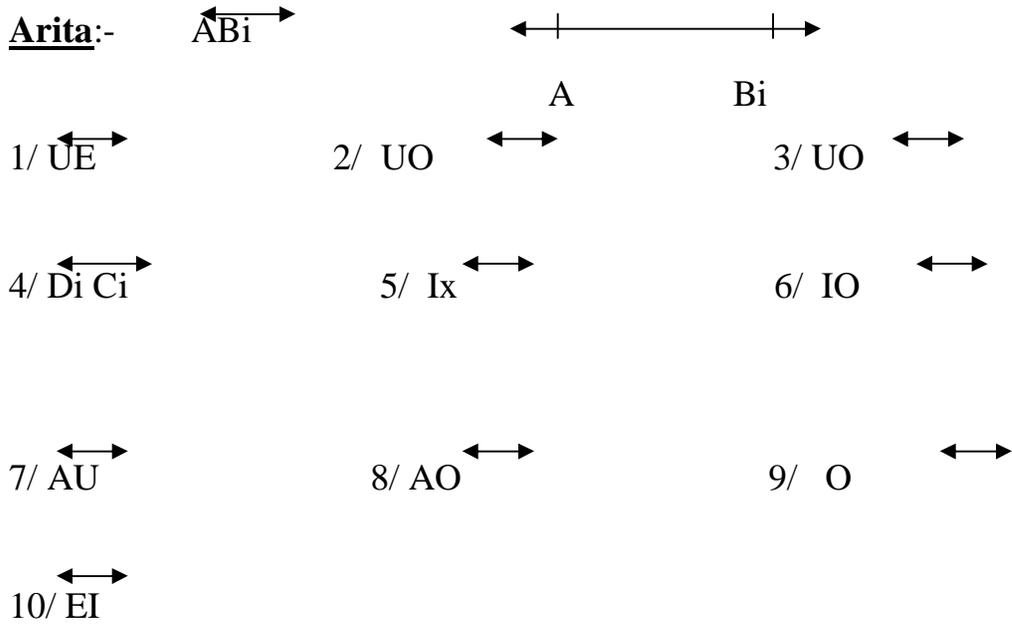
Terwer- 4

1/ Haniye dashi iimets kawu jindotsi bon bbeshts git

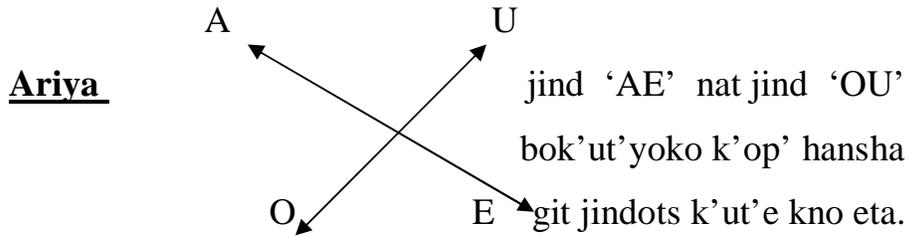
k'op'ots shuutso iimer



2/ k'op'otsi gonkide haniye dashi kaw jindotsi finor

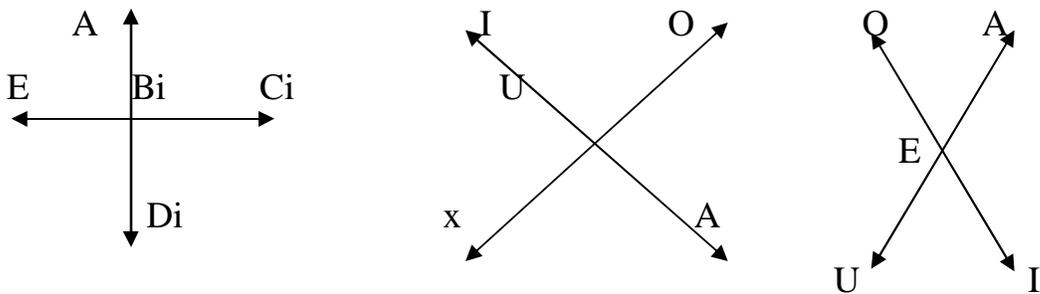


Kut'e jinda



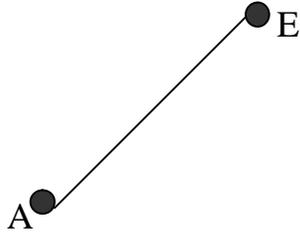
Terwer – 5

kawu jindots bok'ut'ewoki beyoko kitsuwer



7. kawu jindman bbesh k'op' konotsatse _____, _____, nat _____

Bi/ Kep'ek kawu jinda



- k'op 'A' nat k'op' 'masm
eriton jindide gokir mantas
kep'ek kawu jind 'AE' er
shuuts iimo faletuwe.

- Han '____' kep'ekkawu jindi
c'ira.

- eshe haniye dmbi aran kep'
ek kawu jind AE wokin _____
EA er k'ewo flefe.

T'iwitsuwer :-

kep'ek kawu jinda etoni tuwokonat
bodewoki k'op'o detstsoni

Terwer -7

1/ Haniye dashi iimets kep'ek kawu jindotsi fiinor

1/ AI

2/ OU

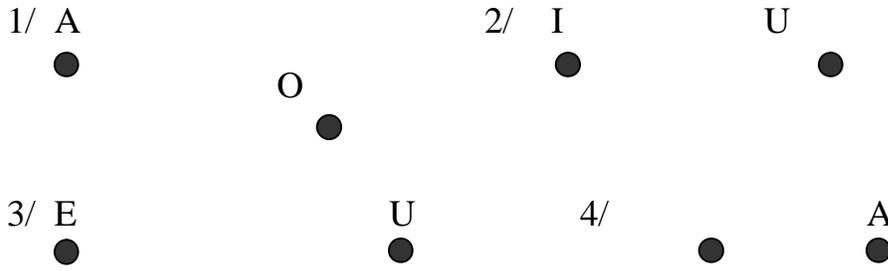
3/ E _____

4/ AU

5/ IE

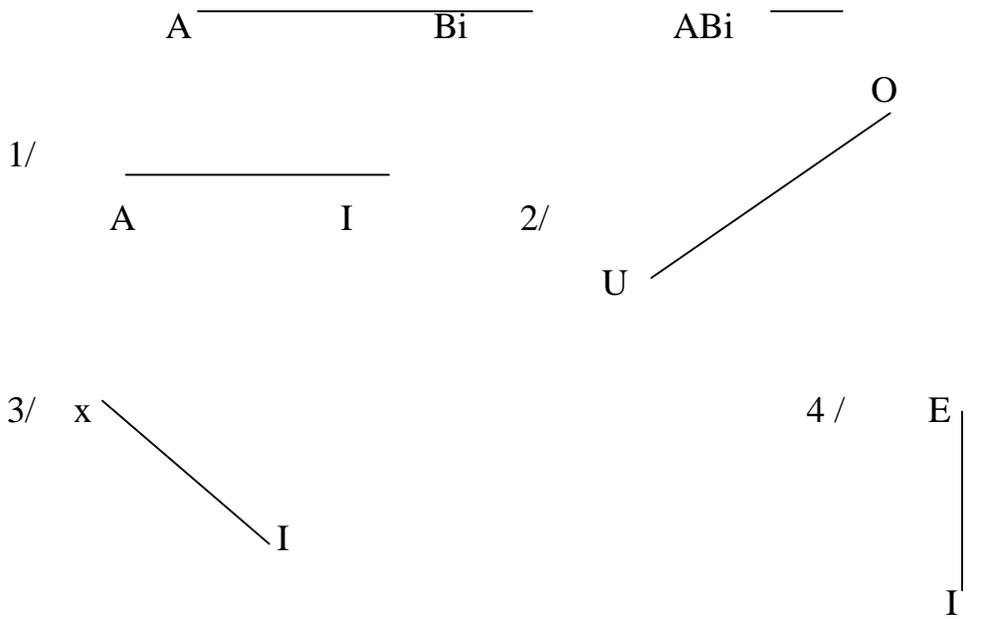
6/ OI _____

2/ Haniye dashi iimets k'op'otsi gokide kep'ek kawu jindo
fiinor.

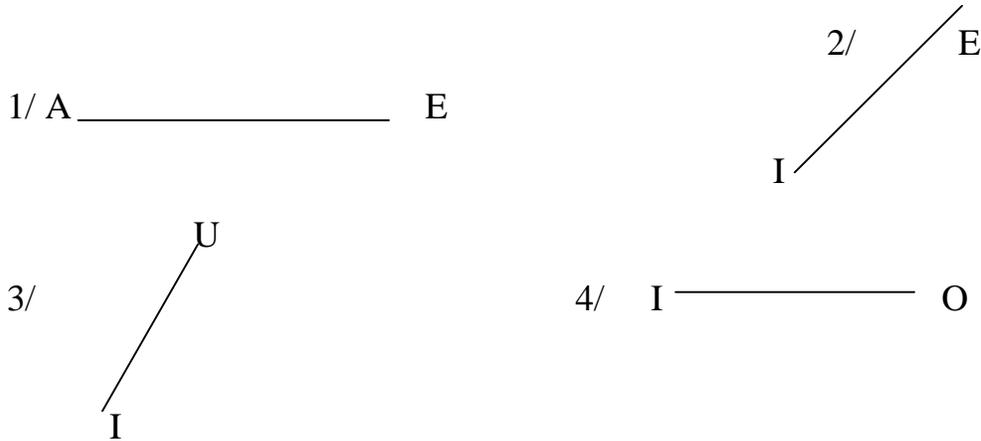


3/ Haniye dashi kep'ek kawu jindotsi boshutso guud'er

Ariya:-



4/ masmeriyon wokin s'aaron indar taalo, k'awuno, genzo
wotts k'ep'ek kawu j'indotsi galuwer



5/

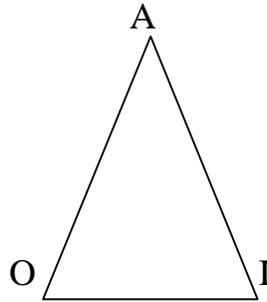
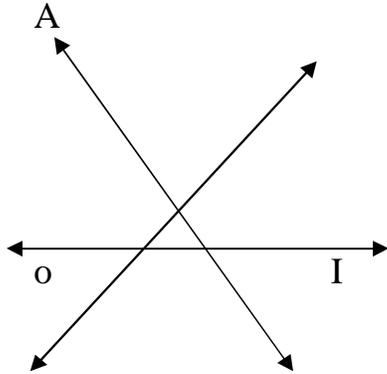
x _____ O

6/

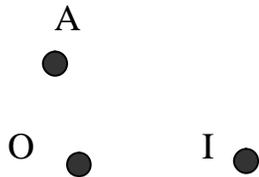
_____ O

4.3.2. keez nalk'etsonat awud nalk'etson ara

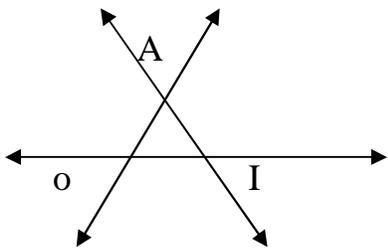
A/ keez nalkets aronat bomaac'a



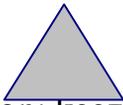
keez k'op'otsatse kawu jindotsi fiina



- 'O' tse tur 'A' mand jindir ik kawu jindo fiina
- 'O' tse tur 'I' mand jindir k'osh kawu jindo fiina
- 'I' tse tur 'A' mand jindir ani kosh kawu jindo fiina

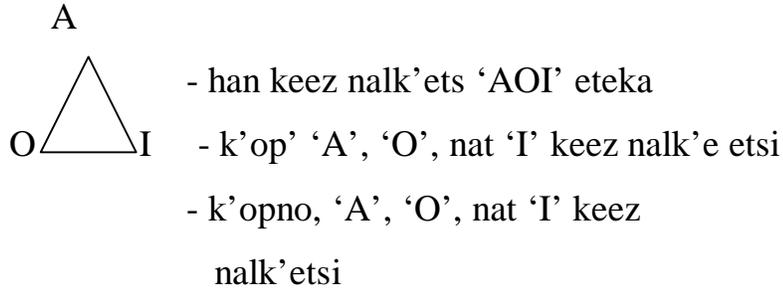


- Futesoni keez nalk'etsi maac'a



- keez k'op'otsi gonkide keez nalketsi aro detstso fiino falituwo.
Hanu keez nalk'ets 'AOI' err

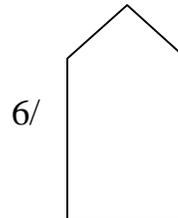
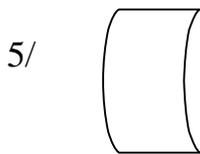
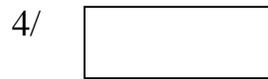
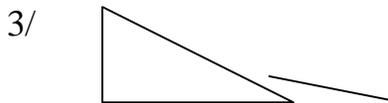
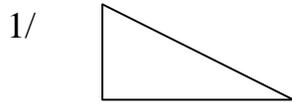
- shuuts iimo falituwo
- keez kawu jindots k'at'de bobeshit k'op'ots k'op'a etefo, keez kep'ek kawu jindotsi keez nalk'etsi nalk'otsi etefotsi.



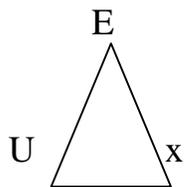
- \overline{AO} , \overline{OI} nat \overline{OA} keez nalkets 'AOI' nalk'otsi

TErwer – 8

1/ haniye dashi arotsitse keez nalk'ets wottsotsi galuwer.



2/ Haniye dashi aro silr aatotsi aaniwer



1/ Aran ambts nalk'o detsfa ?

2/ Aran k'op'otsi gawwer

3/ Aran nalk'osh shuutso iimer ?

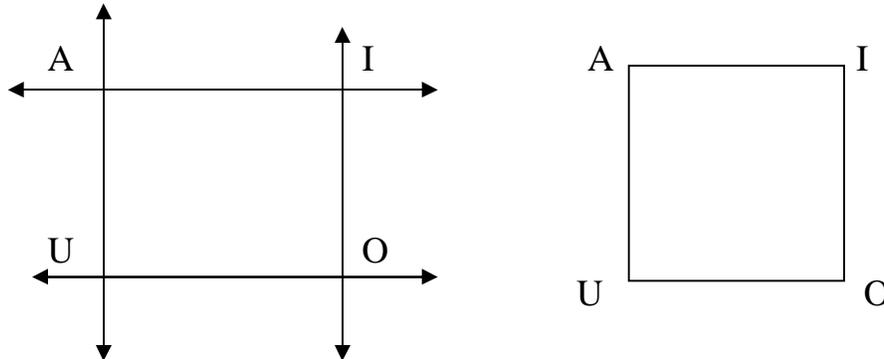
4/ keez nalk'etsi maac'an furde

kitsuwer.

Bi/ Awud nalketsi aronat maac'ona

And k'op'otsi worak'atats kitsr haniye dashi awud nalk'ets aro fiino faletuwe.

Ariya:-



- jam git k'op'atse masmeriyon jindar awud k'ut'eyat beshts jindotsi fiinetsok'o dambe bek'ro
- hanu awud nalk'ets 'AIOU' er shuutso iimetuwe
- \overline{AI} , \overline{IO} , \overline{OU} nat \overline{UA} awud nalk'etsi 'AIOU' nal kotsi etefo.
- A, I, O nat U awud nalketsi k'op'otsi etekno

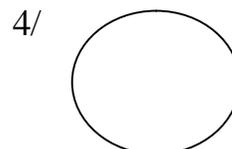
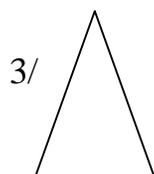
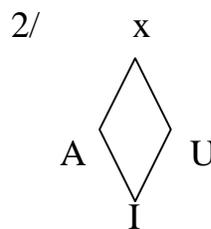
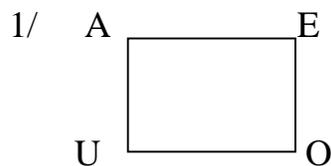
Ariya:-



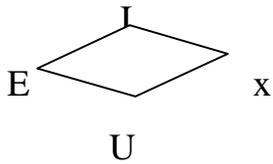
Futetsan awud nalk'ets maac'a etefo

Ter wer – 9

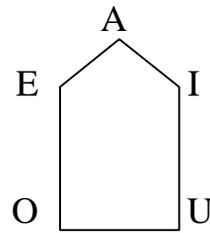
1/ Haniye dashi arotsitse awud nalk'etsi aro galuwer



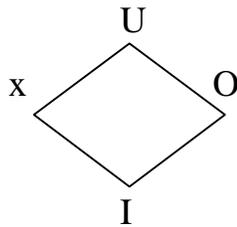
5/



6/



2/ Haniye dashi aro s' ilr aatotsi fiinor



1/ awud nalk'ets han ak'o
erniya bas'ege ?

2/ k'op'a etefots konotsne _____,
_____, _____ nat _____ ?

3/ aran nalk'ots konotsne _____
_____, _____ nat _____ ?

3/ Haniye dashi aatotsi aaniwer

1/ awud nalk'etsi aro ambts k'op'e bdets ?

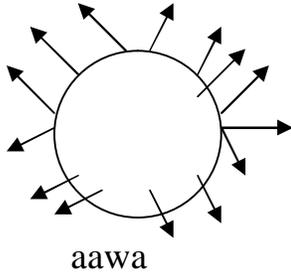
2/ awud nalk'etsi aro fiinosh ambts kep'ek kawu jindotsi
gonkiyo geyituwa

3/ awud nalk'ets aro fiinar b'amaac'o furde kitsuwer

4/ awud nalk'ets aro fiinar bnalk'otsi kitsuwer

4.4 Toos'a tungushona, guur konat guuri maac'ona

4.4.1 Toos'a



Shani tuwoko aawu bwotora báshano datsomand bodetuwe batiriyo noc'e shor shano detsfe shan han tuwko batiriyok bwotor bá bodokonmo daneraka.

T'iwitsuwer

Toos'o tuwoki k'op'o b'detsor bodoki k'op'o
deshaka

“ —————> ” han toos'i c'ira

A —————> I han toos'i ara

Toos' han AI wokin IA err shuuts iimo faletuwe k'op' 'A' tuwoki k'op'a etefo.

I —————> A han toos' IA eteka
'I' tuwoki k'op'a etefo

AI nat IA k'osh k'osh toos'no

A <—————> I han kawu jind 'AI' etefoni kawu jind AI
biyatse k'osh k'op'o dabde git toos'o fiino faletuwe.



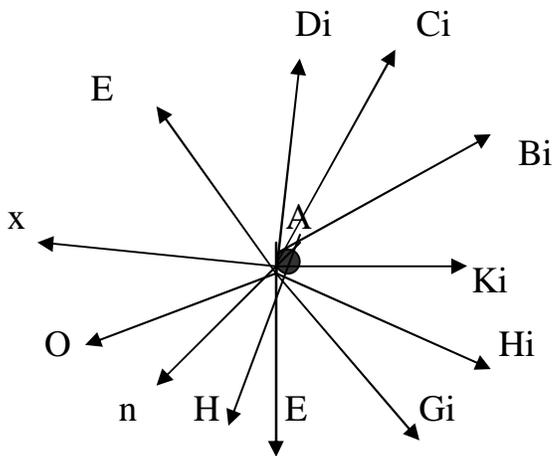
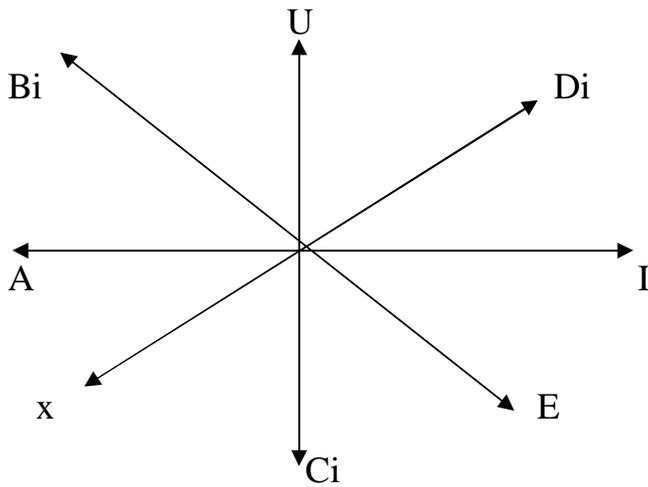
U

K'op' 'U' k'op' 'A' nat k'op' 'I' dogotsa bdatset kop' 'O' kawu jind 'AI'
gitoko ka'ire



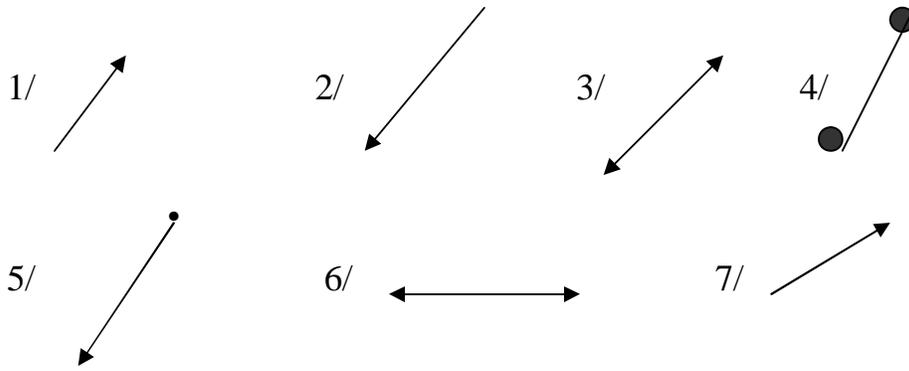
- toos' 'OA' wokin OA
- toos' 'OI' wokin OI etefo

kawu jind 'AI' k'op' 'O' tse tur ar toos'otsi fiino faletuwe

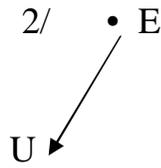
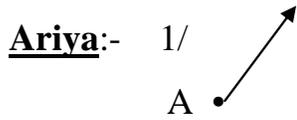


Terwer- 10

1/ toos' wottsotsi galuwer

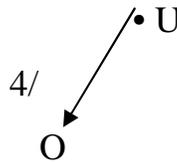
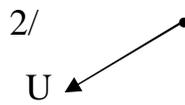


2/ Haniye dashi toos'otssh botuwoko boshirots guuder

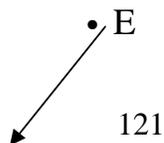
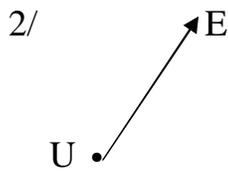
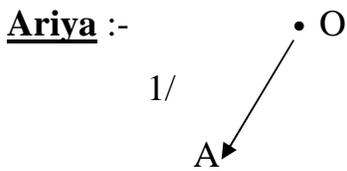


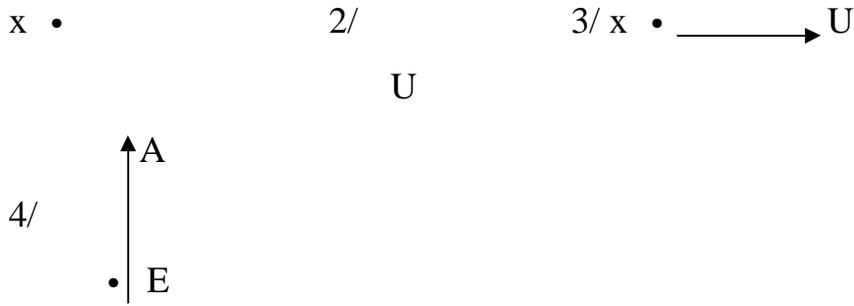
K'op' 'A' tuwoki k'op'a

k'op' 'E' tuwoki k'op'a



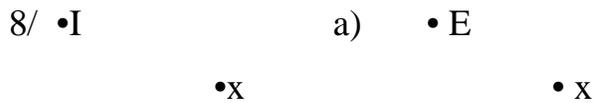
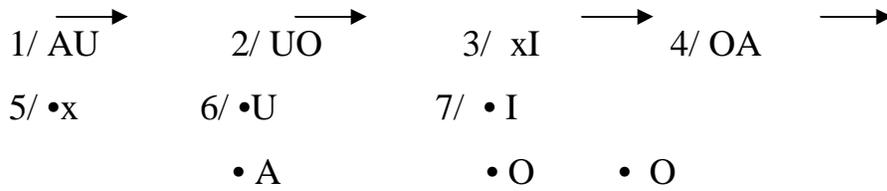
3/ Haniye dashi iimets toos'otsi boc'iron boshirots bezuwer





4/ Iimets k'op'otsi masmeriyon gonkide fiinor

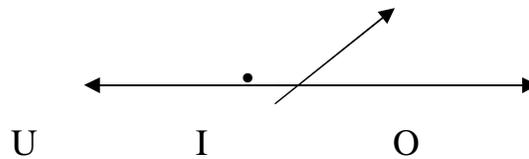
Ariya:- 1/ AI A • —————→ I



5/ Botuwoko ik wotts toos'otsi fiinar daniyiruwosh kitsuwer

A

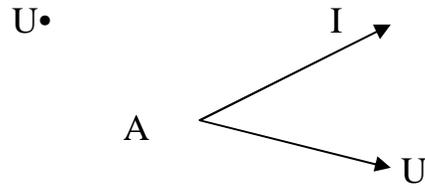
4.2.2 Tungusha



Haniye dambe nos'iliru aran keez toos'otsi detsfe bowere toos' 'IU' toos' 'IO' toos' 'IA' etekno

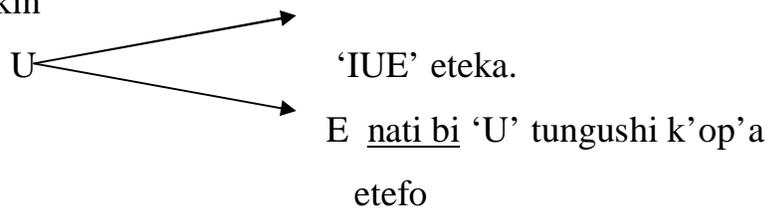
I• - toos' 'AI' → fiinor
 - toos' 'AU' → fiinor

A•



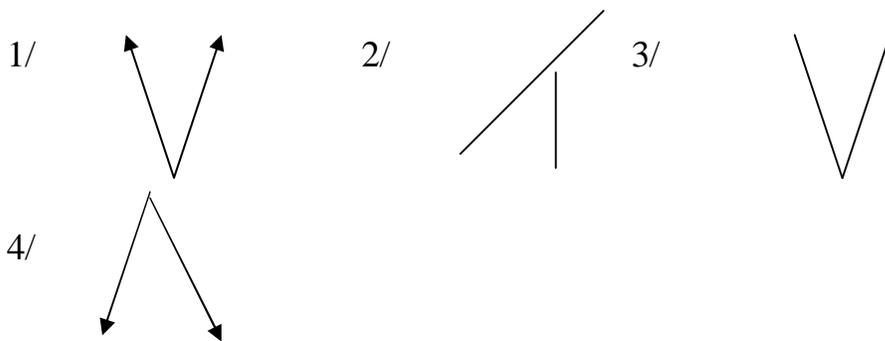
K'op' 'A' tse tur git toos'otsi nofiinor git toos'otsi dagotse beyiruwo tunsusha etefo hanu tungush 'UAI' wokin tungush 'IAU' er s'egetuwe. K'op' 'A' tungushona k'op'a etefo. I Han tungush

'EUI' wokin

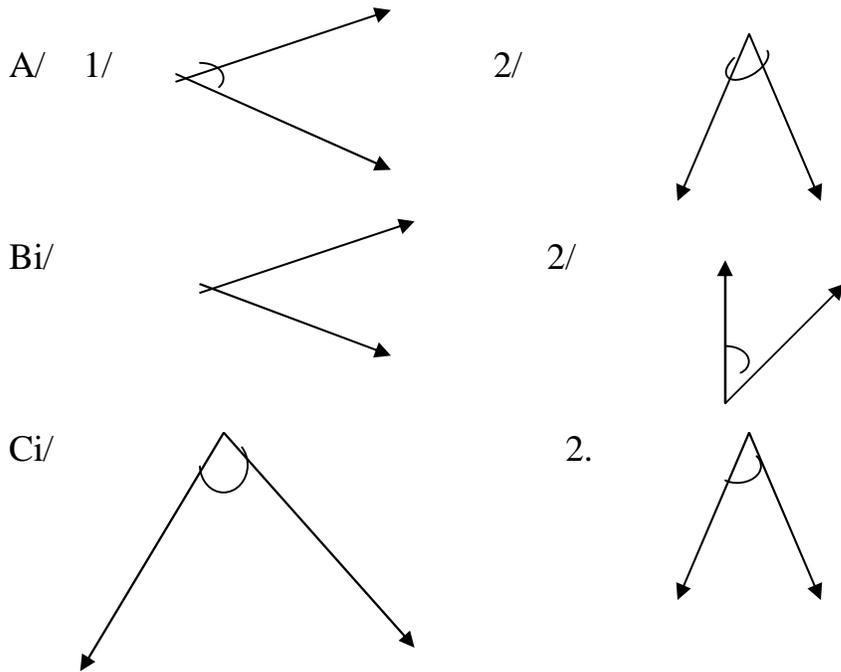


Terwer -11

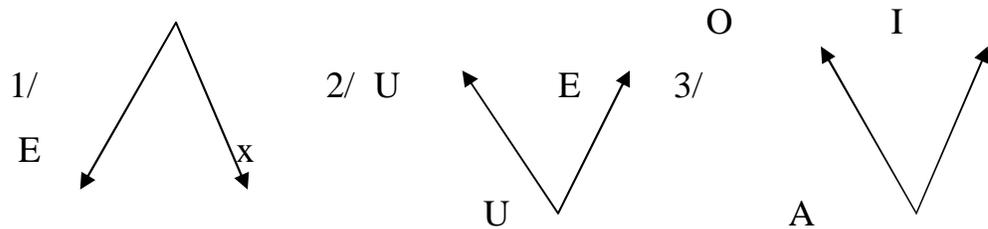
1/ tungush wottso galuwer



2/ Iimets git git tungushotsitse een wottso galuwer



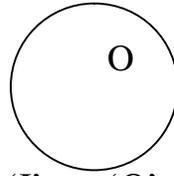
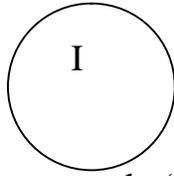
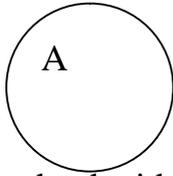
3/ tungushots git shuutso boshirots guuder



4/ tungush 'AUI' tungush 'OUI' nat tungush 'IA' fiinar daniyiruwosh kitsuwer

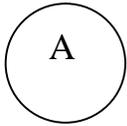
5/ B'atuwoko ik k'op'o wotts uuts tungusho fiinar daniyiruwosh kitsuwer.

4.4.3. Guurka



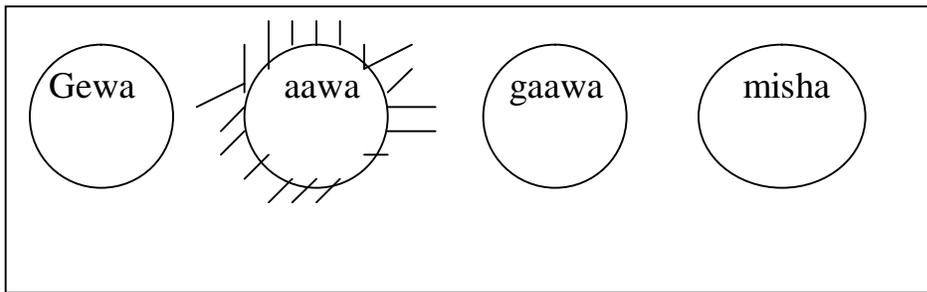
Haniye dambe itbek'iruwots guurk 'A' 'I' nat 'O' erni s'egeto

Daniruwots itgalotse guuri aro detsts keewotsi garewon wotar keeweyar ani daniruwosh keewuwer guurki maac'o fideliyon s'egefe.

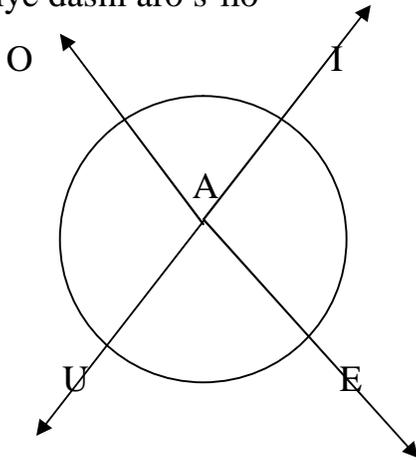


nat'ibi 'A' guuri maac'a etefo

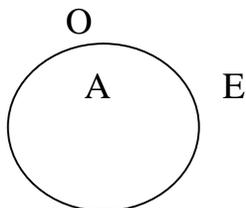
Guurki arotsi



haniye dashi aro s'ilo



Toos' 'AI' toos 'AE' toos' 'AO' nat 'AO' taal bowotiyal k'op' 'OIEU' daatso faletuwe

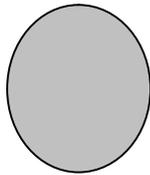
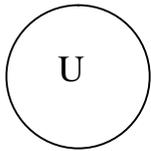


I

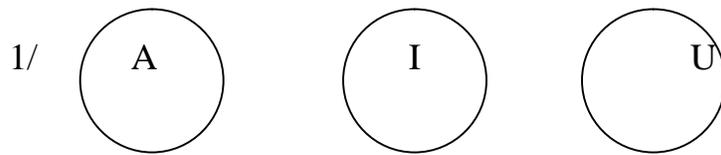
U

‘A’ guurki taalitsi k’op’a hansha guurman ‘A’ eer shuuts iimo falituwo.

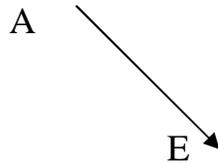
Guurki maac’a



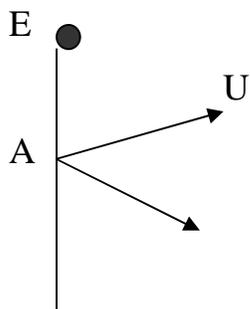
fuutetsoni guuri maac’a etefo
guuri maac’o fuurer



kep’rk kawu jindo fiinor



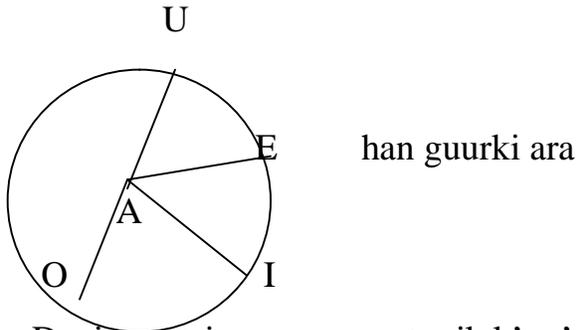
manatse k’op’ ‘A’ tse ture k’osh AU, $\overline{A}, \overline{AI}$ fiinor



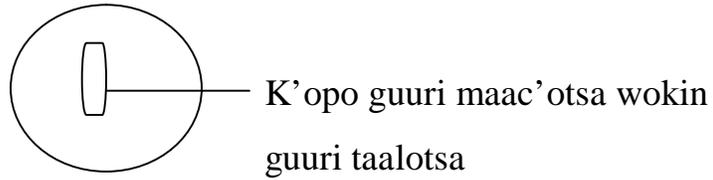
Haniye okon AO, AU, AE, AI
taal bowoto masmeriyon indar daner

O maniye okon 'IOUE' hanotsi datsituwo

I ●



Daniruwotsi garewon wotar ik k'op'ats k'opo gerde ik jndo wotit jooko k'op'ats tifde guuro fiinor.



Glosser /መዳየ ቃላት/

በ ስ ራ ላ ይ የ ዋ ለ	የ ቃ ሉ	የ ሚ ገ ኙ በ ት	የ ተ ር ጓ ሚ ዎ ኾ
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	ቃ ል	ት ር ጉ ም	ቦ ታ	አ ስ ተ ያ የ ት
1	Sat'ina	ሳ ጥ ን	46	
2	Janda	ሰ ን ጠ ረ ሻ	ገ ጽ - 5	
3	Doyon keewots	የ ር ዝ መ ት	44	
4	indefoni	መ ለ ኪ ያ		
5	Abakesiya	አ ባ ብ ስ		
6	T'iwitsuwer	አ ስ ተ ው ሉ		
7	Bodaboni	ብ ዜ ት		
8	(ji'ometri	ጂ ኦ ሜ ት ሪ ይ		
9	Keeznalk'etsi	ሶ ስ ት ጐ ን		
10	Awud nak'etsi	አ ራ ት ጐ ን		
11	Guurka	ክ ብ		
	sasiara	የ ጣ ሳ ቅ ር ጽ		