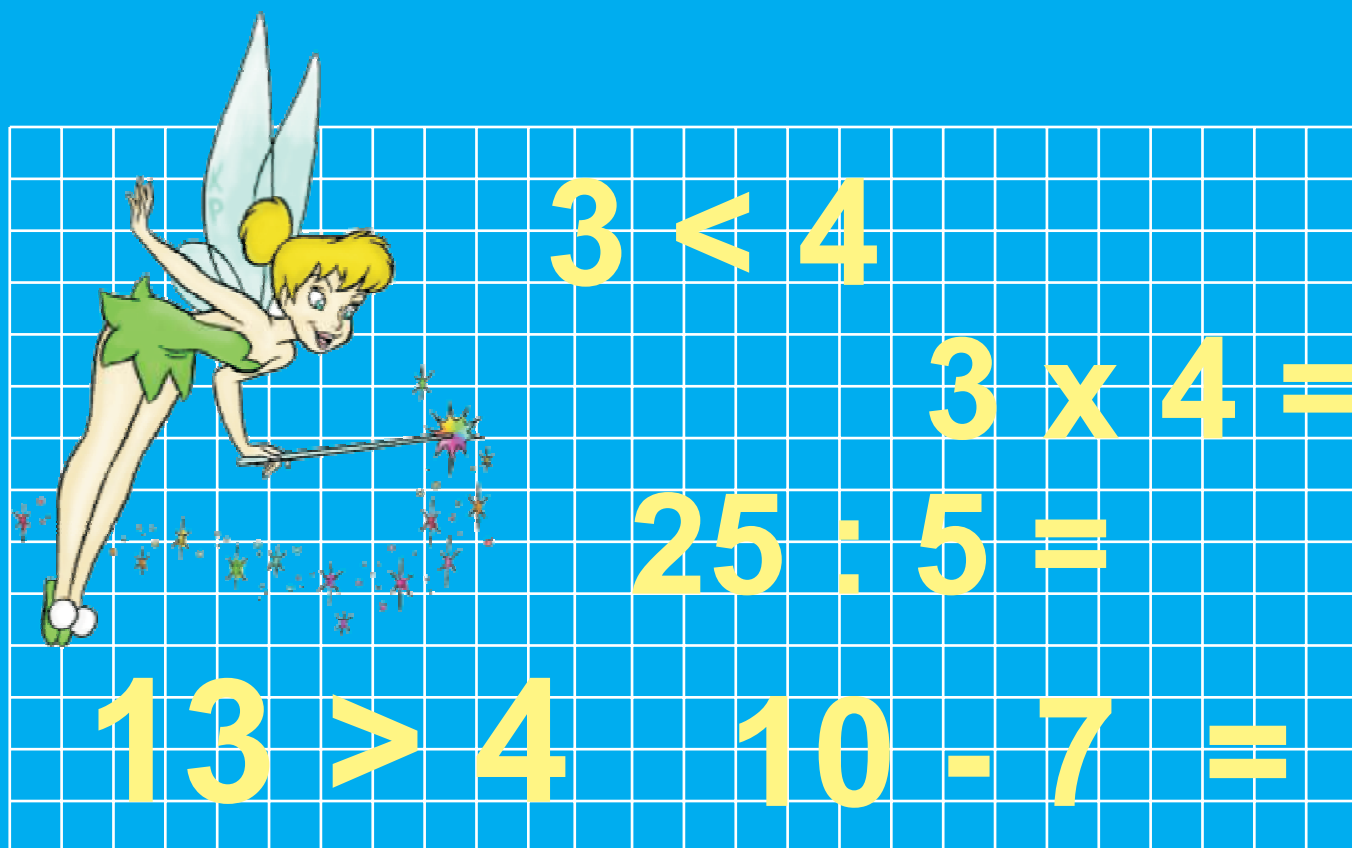


DANIELA CHIRCU - CRISTIL • IONEL CORDOVAN
GHEORGHE SARĂU

Matemătika

pustik vaş i dujto klàsa

Matematică – manual pentru clasa a II-a



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**Daniela Chircu-Cristil * Ionel Cordovan
Gheorghe Sarău**

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Matematică – manual pentru clasa a II-a

**Editura Oscar Print
București, 2013**

Manualul a apărut, ca material școlar auxiliar, în cadrul parteneriatului dintre Ministerul Educației Naționale și Reprezentanța UNICEF în România. Manualul respectă obiectivele, cerințele și conținuturile din programa școlară de clasa a II-a.

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Tehnoredactare: Catana Simona

Descrierea CIP a Bibliotecii Naționale a României

CHIRCU-CRISTIL, DANIELA

Matemătika - pustik vaś dujto klăsa = Matematică - manual pentru clasa a II-a /
Daniela Chircu-Cristil, Ionel Cordovan, Gheorghe Sarău. – UNICEF - București : Oscar
Print, 2013

ISBN 978-973-668-364-0

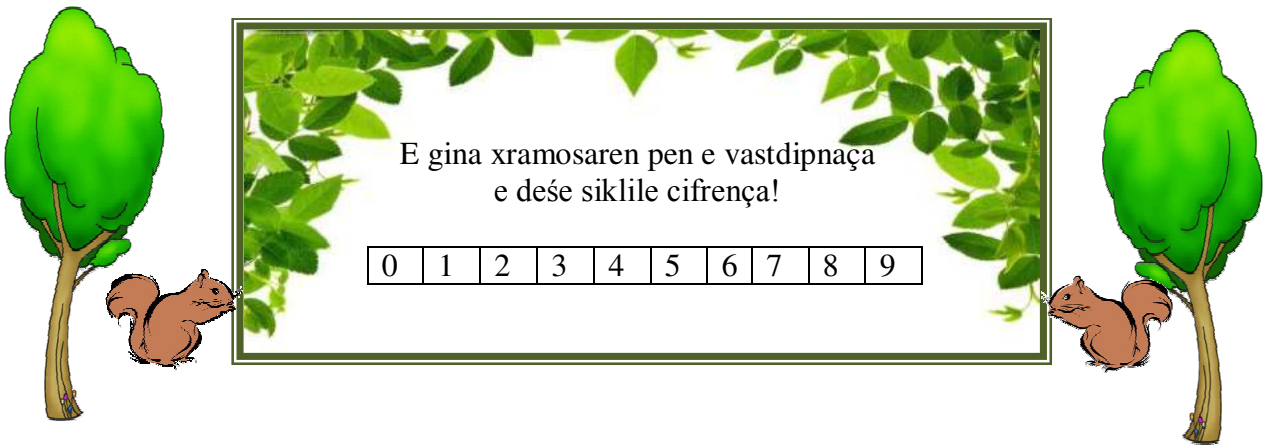
I. Cordovan, Ionel

II. Sarău, Gheorghe

51(075.3)

I. KAΘAR I JEKHTO KLÀSA KA-I DUJTO KLÀSA

1. E naturàlo gina kaθar 0 kaj 100

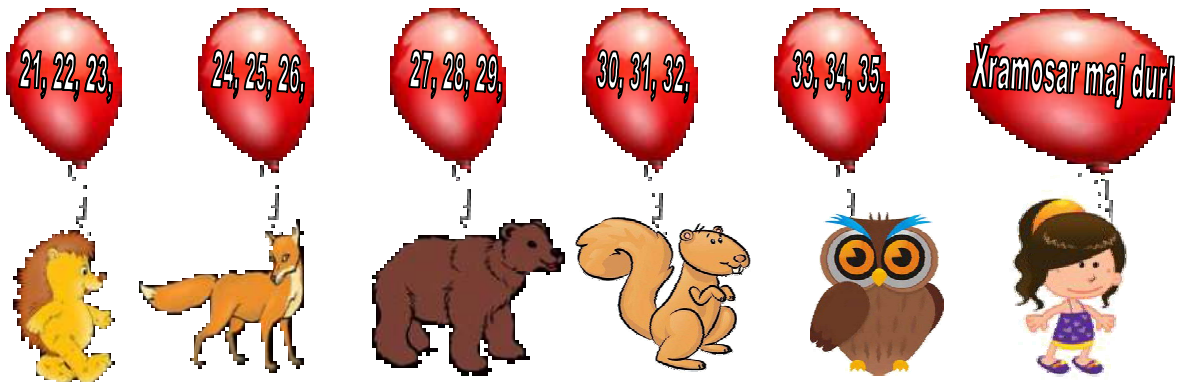


Drabar e gina palal e pendexa!

- a) Anθar 1 anθ-o 1, kaθar 0 kaj 20 thaj kaθar 20 kaj 0;
- b) Anθar 2 anθ-e 2, kaθar 0 kaj 20 thaj kaθar 20 kaj 0;
- c) Anθar 2 anθ-e 2, kaθar 1 kaj 19 thaj kaθar 19 kaj 1;
- d) Anθar 3 anθ-e 3, kaθar 0 ka-o 18 thaj kaθar 18 kaj 0.



Te astaras e ginenqi stafêta!



2. Kiderimata thaj tiknederimata e naturalone ginença kaθar 0 kaj 100

1. Arakh i rëgula thaj pher svàko rëndo trine trebutne ginença!

- a) 31, 32, 33, 34,
- b) 25, 30, 35, 40,
- c) 78, 76, 74, 72,
- d) 91, 81, 71, 61,



2. Kidär 15-ça sarkon gin anθar e gina: 13, 52, 21, 34, 73!

3. Arakh e garavde gina garavde palal o :

a		12	28
b	14	9	
a-b	6		4

a	15		7
b	9	8	
a+ b		26	12

4. Xramosar e gina save si len:

- a) e dešenqi cìfra 5 thaj e jekhimatenqi cìfra 2, 3, 7, 8, 1;
- b) e jekhimatenqi cìfra 2, haj e dešenqi cìfra 7, 4, 5, 8, 9, 3.

5. Rezolvisar e bută! Laçhăr barărikanes (kaθar o maj tikno ka-o maj baro) e inkliste rezultatură!

12 + 16 =	24 + 51 =	33 + 16 =
87 - 35 =	68 - 25 =	45 - 20 =
76 - 42 =	92 - 72 =	59 - 37 =
26 + 32 =	52 + 44 =	60 + 39 =

6. I Marià kidäs 17 xuxurra, haj laqi amalin, i Àna, kidäs 20 xuxurrença maj but.

- a) Sode xuxurra kidäs i Àna?
- b) Sode xuxurra kidine khethanes e duj çhaja?

7. Arakh e gina 6-ça maj bare sar: 10, 11, 12, 13, 21, 50!

3. Bută thaj puçhimata



1. O riçhinorro Martinël xramosardäs savorre gina kerde anθar deša thaj jekhimata, save si len sakodoja cìfra ka-e deša vi ka-e jekhimata.
Save gina xramosardäs vov?
2. Arakh e ginenqi sùma, palal kodoja lenqi diferènca: 44 thaj 13!
65 thaj 34.
3. Ginav sode inklöl!

77 –
35

94 –
61

73 –
42

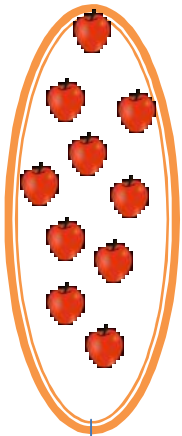
50 –
30

89 –
76

4. Arakh savorre gina kerde anθar deša thaj jekhimata, labärindoj nùmaj e cìfre: 7 thaj 2,
6 thaj 2!
5. Xramosar e gina 20-ença maj bare sar: 27, 52, 17, 37, 8!
6. Xramosar e gina 2-ença maj tikne sar: 29, 77, 56, 37, 48, 17!
7. Anθ-jekh klàsa si 26 siklövne, anθar save 12 si çhaja. Sode çhave si anθ-i klàsa?
8. Ginav, thovindoj e trebutne tèrmenurà!
 $30 + 15 + 40 =$ $12 + 6 + 50 =$ $61 + 5 + 11 =$
9. Anθ-e zivutrenqi bar si 68 çèrburà thaj 29 vešesqe buznörrà. Save zivutre si maj but
thaj sodença? Thov aver puçhipen kadjal kaj i problèma te rezolvisarel pes anθar jekh
tiknederipen!
10. I Lizùka thovdäs p-i sinìa 15 kuća thaj 10 çare. Sode çare si te maj thovel, kaj te avel
kazom but sar si e kuća?
11. Anθar 27 xudine luludă, i Alina däs la mamă 11. Sode luludă maj açhiläs e Alinaqe?
12. O Tùdor xudäs kaθar o dad, i daj thaj o pàpus po 20 bombòne. Sode bombòne si le
Tudoros anθ-o totàlo?

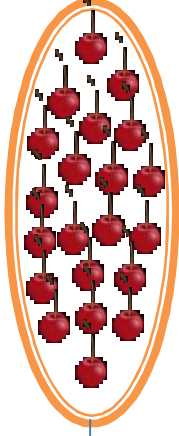
II. E NATURÀLO GINA KAΘAR 0 KAJ 100

4. O drabaripen thaj o xramosaripen e naturalone ginenqo kaθar 0 kaj 30



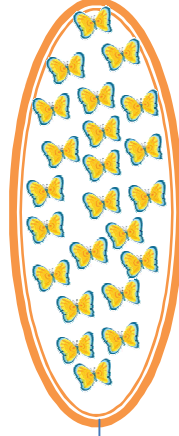
10

deś



21

biś thaj jekh



biś thaj trin

23



trānda

30



$$2+2+2+2$$



8 - gin zuteça



$$2+2+2+2+1$$



9 - gin bizutesqo



1. Drabar, palal kodoja xramosar cifrença thaj grafemença e telutne gina!

16, 18, 17, 22, 26, 28, 30.

2. Xramosar e gina 14, 7, 19, 6, 0, 15, 9, 10, 5, 16, 11, 4, 13, 20! Cirde jekh linia telal e cifre save sikaven e jekhimata!

3. Xramosar cifrença e gina: enă, deśuoxto, deśušov, deśuśtar, deś, duj, deśuduj, deśupan3!

4. Xramosar e gina maj tikne sar 17. Cirde jekh lînia telal e bizutesqe gina!

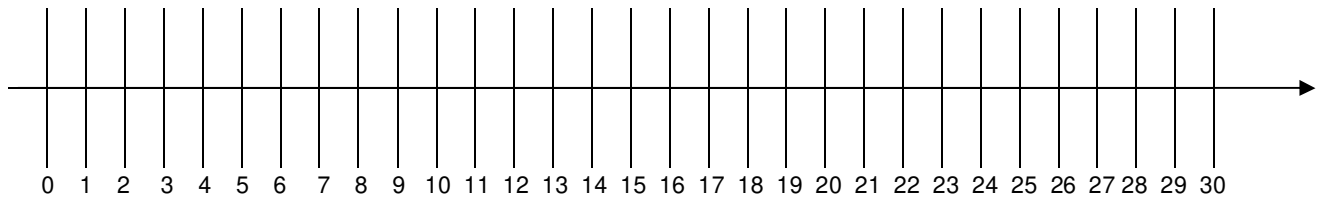
5. P-o svàko rëndo, jekh gin na si trebutno? Çhin jekhe lîniaça o gin savo na si laço!

- a) 20 18 16 15 14 12 10
b) 19 16 13 10 9 7 4 1

6. Dikh sar ginavdàs i Diàna anθar 3 anθ-e 3 thaj arakh i doš!

3, 6, 9, 12, 14, 16, 19.

7. Drabar e gina, astarindoj kaθar 0: anθar 2 anθ-e 2, anθar 3 anθ-e 3, anθar 4 anθ-e 4 thaj anθar 5 anθ-e 5!



8. Alosar thaj xramosar anθar kadala gina:

a) P-o jekhto rëndo, e gina save si maj paše karing 10 sar karing 20;

b) P-o dujto rëndo, e gina save si maj paše karing 20 sar karing 10.

7 4 10 18 12 19 9 14 15

9. Xramosar kadala ginenqe perutne: 9, 12, 16, 20, 25, 27, 29!

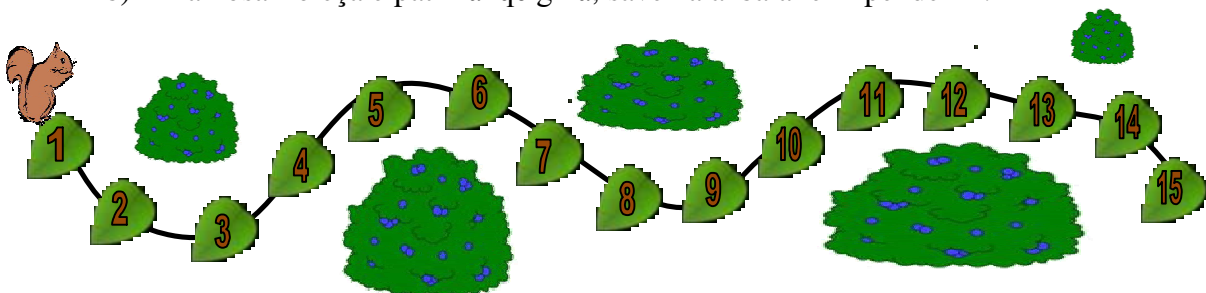
10. Xramosar e gina zuteça save si maškar 10 thaj 28!

11. Save gina maškar 0 thaj 30 šaj te xramosaren pen, labårindoj nùmaj e cîfre 0, 1, 2 thaj 3?

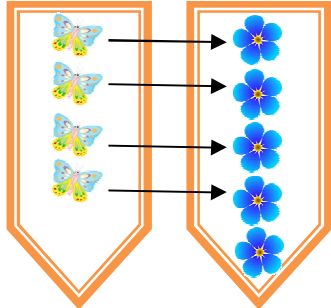
12. Jekh pendexni (veverîca, katarîna) xutel anθar duj anθ-e duj patrină.

a) Xramosar kaleça e patrinănqe gina, save azbala len i pendexni!

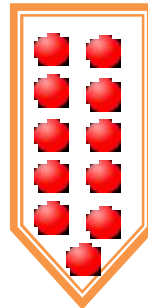
b) Xramosar loleça e patrinănqe gina, save na azbala len i pendexni!



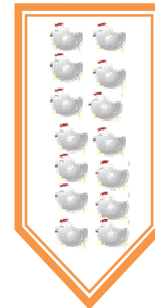
5. I komparàcia thaj o lačharipen e naturalone ginenço kaθar 0 kaj 30



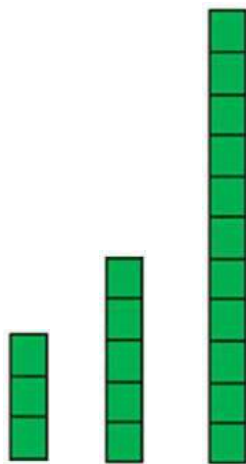
$4 < 5$
4 si **maj tikno** sar 5



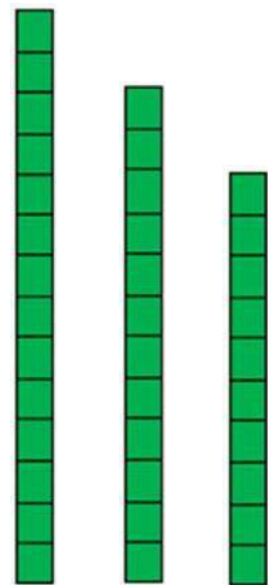
$11 = 11$
11 si **barrabarr** e 11-ça



$14 > 10$
14 si **maj baro** sar 10

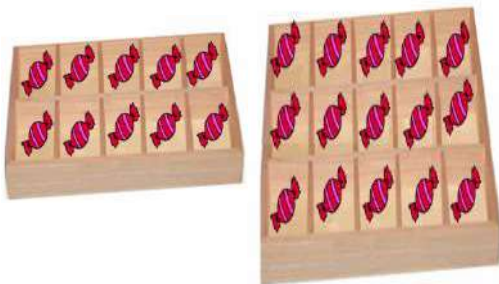


$3 < 5 < 11$

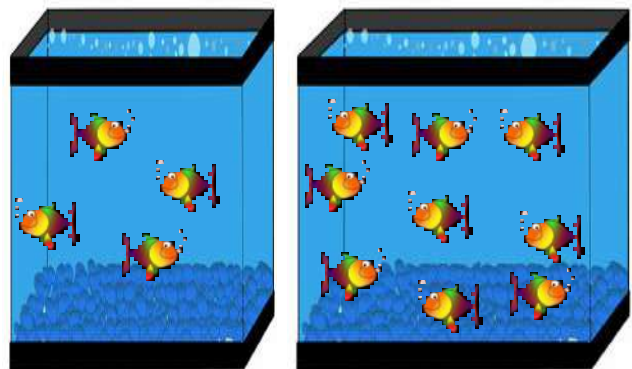


$14 > 12 > 10$

Ker i komparàcia! Xramosar o trebutno sèmno vaš svàko situàcia!



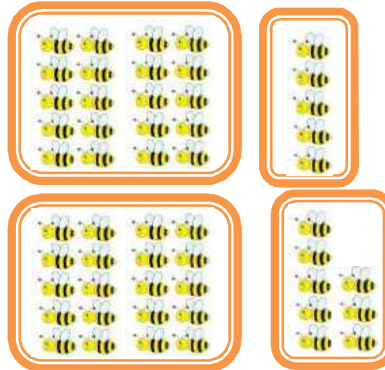
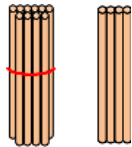
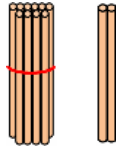
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1. Xramosar cifrença thaj ker e ginenqi komparàcia anθar svàko zuto!



2. Komparisar e bută anθar svàko cítro!

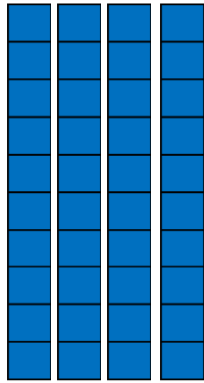


3. Komparisar e gina thaj xramosar o trebutno sèmno!

6	8	11	9	20	0	24	28
9	14	16	7	25	30	23	30

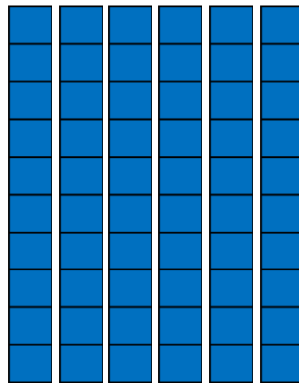
4. Xramosar kadala gina anθ-i barărikani òrdina (kaθar o maj tikno ka-o maj baro): 25, 13, 8, 27, 19!
5. Xramosar kadala gina anθ-i tiknederikani òrdina (kaθar o maj baro ka-o maj tikno): 22, 19, 13, 6, 28, 11!
6. Le Kornelos si les 25 lila, thaj le Andrejos si les 22 lila. Kas si maj but lila thaj sodença?
7. E çhavorre vazdine kastèlură. O Dan labărdăs 15 kùbură, o Jonel 9 kùbură, i Monika 20 kùbură, haj o Bogdàn 24 kùbură. Kasqo kastèlo si les maj but kùbură. Tha` e maj cira kùbură?
8. I Maria si maj uçi sar i Sorina. I Dàna si maj uçi sar i Sorina thaj maj tikni sar i Maria. Xramosar e çhajanqe anava anθ-i barărikani òrdina palal lenqo uçipen!
9. Thov p-i sinia 25 thabaripnasqe rovlòrră/jagorră. Xulav len po duj, palal kodoja phen te o gin 25 si gin zuteça vaj bizuteça!
10. Kana iz sas paraštuj, so dës avela kolaver texàra?
- a) sàvato b) zòjdives c) lujdives d) kurko

6. O drabaripen thaj o xramosaripen e naturalone ginengo kaθar 0 kaj 100



40

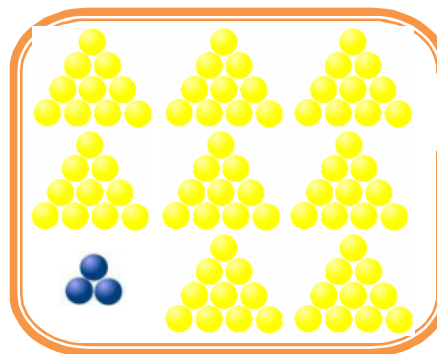
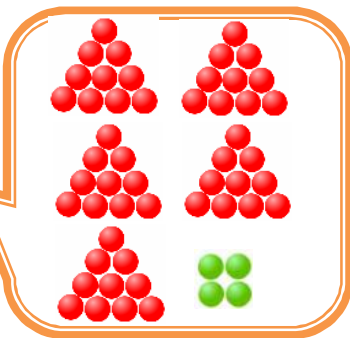
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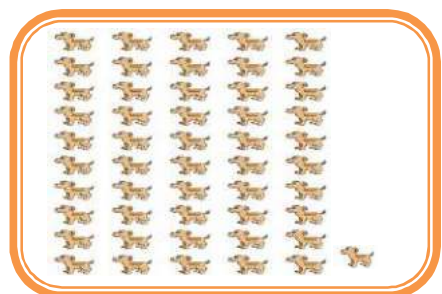
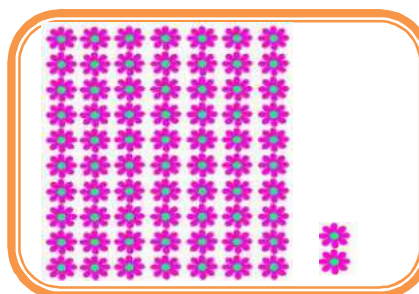
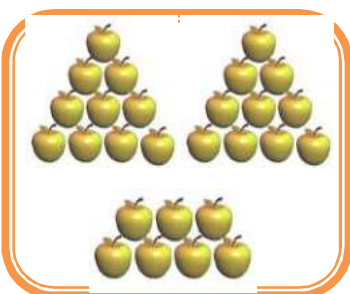
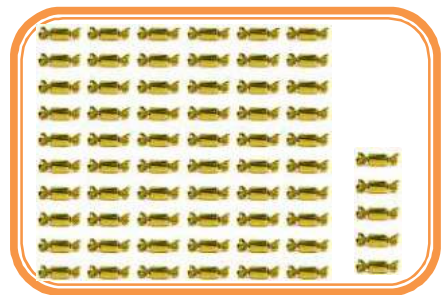
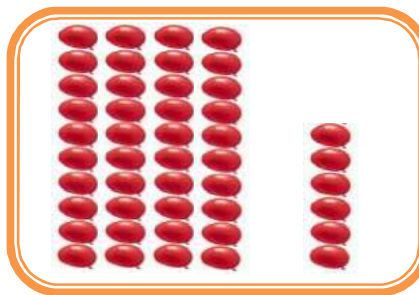
60

8

Kaj te ašti te ginaven maj lokhes e bile, o Dòru thaj i Dàna kerde grupe po 10 bilença.



Phen anθar sode deša thaj sode jekhimata si kerde e gina save si reprezentisarde anθ-e çitre!

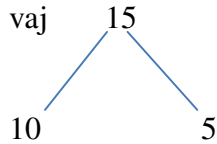




1. Xramosar, palal kodoja drabar e gina, phenindoj e dešenqo vi e jekhimatenqo gin:
43, 18, 68, 50, 9!

2. Xulav e gina: 15, 33, 58, 76 anθ-e deša thaj jekhimata!

Eksèmplo: $15 = 10 + 5$



3. E çhave kerde gina save si len e dešenqi cìfra 5 thaj e jekhimatenqi cìfra 1, 4, 6, 8.
Xramosar vi tu kadala gina!

4. Xramosar savorre gina kerde anθar deša thaj jekhimata, save si len sakodoja cìfra ka-e
deša thaj ka-e jekhimata!

5. Xramosar savorre gina kerde anθar deša thaj jekhimata save šaj te keren pen e
cifrença:

4 thaj 5

7 thaj 0

1, 2 thaj 3

6. Xulav anθ-e deša thaj jekhimata e gina: 87, 49, 16, 93, 14, 72, 99!

7. Xramosar savorre gina anθar duj cìfre, save si len e cifrenqi sùma 10!

8. E paparùde thaj e kiră thovden penqe ka-e kherorre save si len gina duje cifrenqe.

a) P-e paparudenqo dromorro, savorre kherrorenqe gina si len e dešenqi cìfra 7. So gin
šaj te avel ka-e kadala kherorre. Sode kherorre šaj te aven?



b) Savorre kirănqe kherorre si len gina e jekhimatenqe cifraça 3. So gina šaj te avel ka-e
kadala kherorre. Sode kherorre šaj te aven?



9. Xramosar thaj maj thov sarkone širosqe po duj laçe gina!

a) 3, 6, 9, 12,,

d) 1, 4, 7, 10,,

b) 15, 17, 19, 21,,

e) 30, 34, 38, 42,,

c) 55, 60, 65, 70,,

f) 69, 72, 75, 78,,

10. Komponisar svàko anθar e gina 8, 10, 16, 20, 68 anθar:

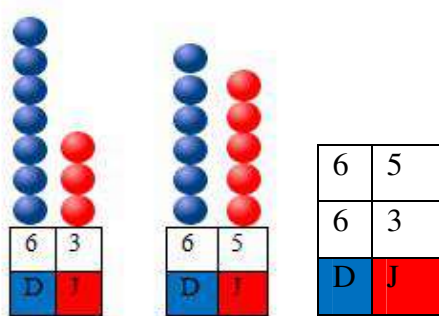
a) duj bizutesqe gina;

b) duj bizutesqe gina thaj jekh gin zuteça.

7. I komparàcia thaj o lacharipen e naturalone ginenqo ka0ar 0 kaj 100

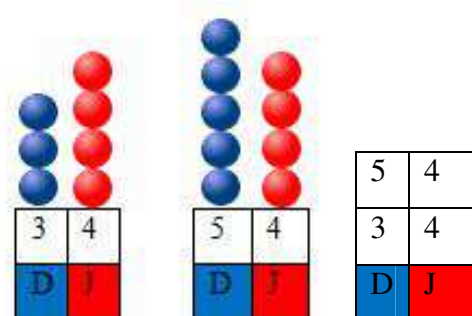


Sar keras e ginenqi komparàcia?



Keras e dešenqi komparàcia
6 deša = 6 deša

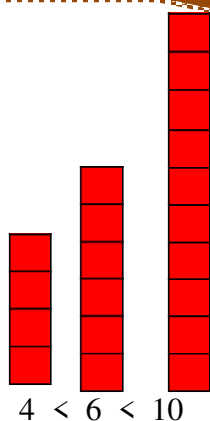
Keras e jekhimatenqi komparàcia
3 jekhimata < 5 jekhimata



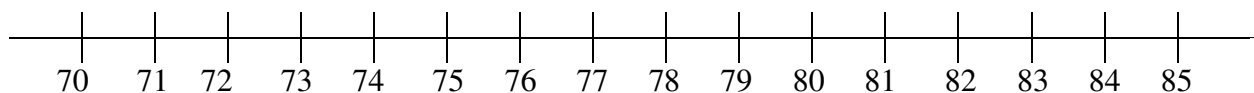
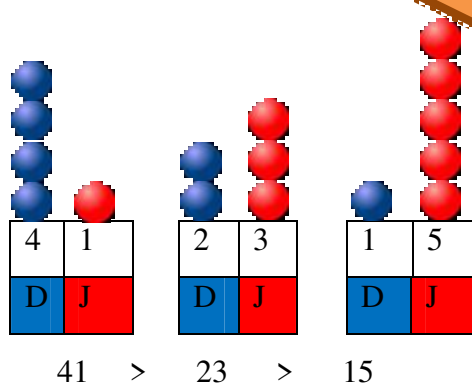
Keras e dešenqi komparàcia
3 deša < 5 deša

Keras e dešenqi komparàcia
4 jekhimata = 4 jekhimata

Si maj baro o gin e maj bute jekhimatença!



Si maj baro o gin e maj bute dešença!



Drabar e gina anθ-i barārikani òrdina, palal kodoja anθ-i tiknederikani òrdina!

Dikh thaj phen:

- a) trin gina maj paše karing 70 sar karing 80;
- b) trin gina anθ-i barārikani òrdina, pan3 gina anθ-i tiknederikani òrdina;
- c) savorre gina maškar 70 thaj 80, maj paše karing 80 sar karing 70.



1. Xramosar anθ-i barārikani òrdina e gina:

a) 13, 69, 75;

b) 86, 26, 9.

2. Arakh e ginenqe perutne: 35, 49, 58!

3. Ka-o savo gin godīsardās pes i Ioàna, kana:

a) anglal lesθe si 51;

b) palal lesθe avel 34.

4. Xramosar e gina save nana-i xramosarde!

30	35	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	55	<input type="text"/>	65
52	57	<input type="text"/>	67	72	<input type="text"/>	<input type="text"/>	87	<input type="text"/>

5. Si éaće e relàcie? Xramosar Ć (éaće) vaj B (bićaće)!

$81 < 85$

$42 < 42$

$36 > 35$

$48 = 84$

$99 > 88$

$69 < 96$

$60 = 60$

$53 < 35$

6. Xramosar o maj tikno naturàlo gin kerdo anθar duj verver cìfre!

7. Savo si o maj baro bizutesqo gin xramosardo duje cifrença?

8. Xramosar trin gina save thavden jekh palal aver, astarindoj sarkon anθar e gina: 16, 28, 45, 63, 74!

9. Alosar o maj tikno gin anθar sarkon širo!

a) 16, 9, 45.

b) 54, 59, 62.

c) 31, 21, 47, 57.

10. Anθar e gina 89, 62, 47, 15, 23, 98, xramosar:

a) e gina maj tikne sar 40!

b) e gina maj bare sar 25!

8. Palemdikhipen: I phal e ginenqi kaθar 0 kaj 100

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



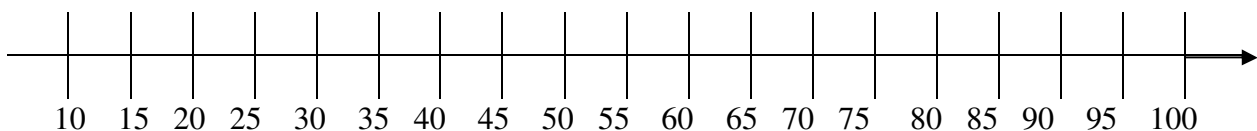
1. E šošojorre siklile te ginaven. Ginav vi tu!

- | | | | |
|---------------------|-----------------|------------------|------------------|
| a) Anθar 1 anθ-o 1, | kaθar 9 kaj 18, | kaθar 24 kaj 38, | kaθar 50 kaj 68. |
| b) Anθar 2 anθ-e 2, | kaθar 4 kaj 16, | kaθar 26 kaj 38, | kaθar 68 kaj 80. |
| c) Anθar 2 anθ-e 2, | kaθar 9 kaj 25, | kaθar 83 kaj 99, | kaθar 57 kaj 73. |

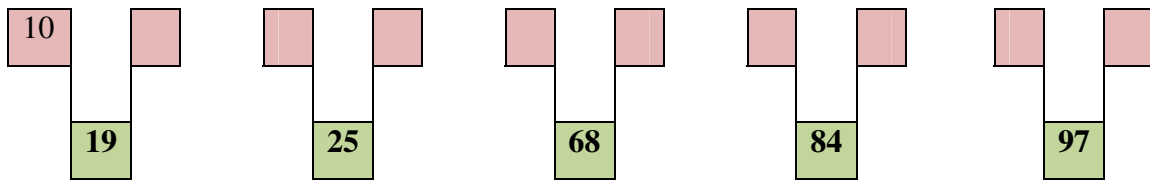
2. Xramosar e gina 4, 26, 33, 0, 49, 60, 97! Cirden jekh linia telal e dešenqi cifra!

3. Xramosar kadala gina anθ-i tiknederikani òrdina: 32, 55, 88, 11, 44, 78, 66!

4. Save si e gina kerde anθar pherde deša, e maj paše e ginenθar: 15, 34, 29, 52, 76, 45, 58, 94? Vastde/Ažutisar tut e ginenqe aksaθar!



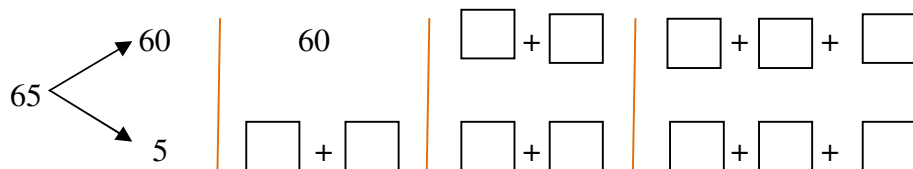
5. Komponisar/Formisar e gina anθar pherde deša thaj jekhimata!



6. E Marcelosqe pherde beršenqo gin si maškar 10 thaj 20; e dešenqi thaj e jekhimatenqi cìfra si barrabarr.

So beršipen si le Marcelos?

7. Xulav o gin 65 anθ-e maj but mòdurà!



8. Xramosar thaj pher e ginença save nana-i!

- a) 38, 40, *, *, 46, *.
- b) 73, 72, 71, *, 69, *.
- c) 100, *, 96, 94, *, *.

9. Xramosar thaj pher e propozìcie!

- a) O gin 48 si maj sar 50.
- b) O gin 78 si maj sar 87.
- c) O gin 57 si maj sar 56, tha` maj sar 58.

10. Anθ-o gav si:

- a) kherorre - o maj tikno gin kerdo anθar duj verver cìfre,
- b) çhave - o gin savo arakhel pes maškar 50 thaj 60, e savesqe cifre si barrabarr;
- c) càxre - o maj baro gin zuteça, maj paše karing 30, savo arakhel pes maškar 30 thaj 40.



9. Evaluàcia



1. Xramosar e gina anθ-i barārikani òrdina!

- a) Kaθar 45 kaj 57;
- b) Kaθar 69 kaj 100.

2. Arakh e trebutne cìfre vaś svàko relàcia!

$$\begin{array}{ll} 26 < 5\dots & \dots 5 = \dots 5 \\ \dots 6 = 56 & 5\dots < \dots 5 \\ 72 > \dots 0 & 7\dots > 7\dots \end{array}$$

3. Alosar o trebutno sèmmo!

$$\begin{array}{ll} < & = & > \\ 17 + 2 ? 17 & & 36 ? 36 + 13 \\ 36 - 6 ? 36 & & 46 ? 46 - 6 \end{array}$$

4. Arakh savorre gina kerde anθar deśa thaj jekhimata, labāringoj nùmaj e cìfre:

- a) 9 thaj 4;
- b) 6 thaj 3.

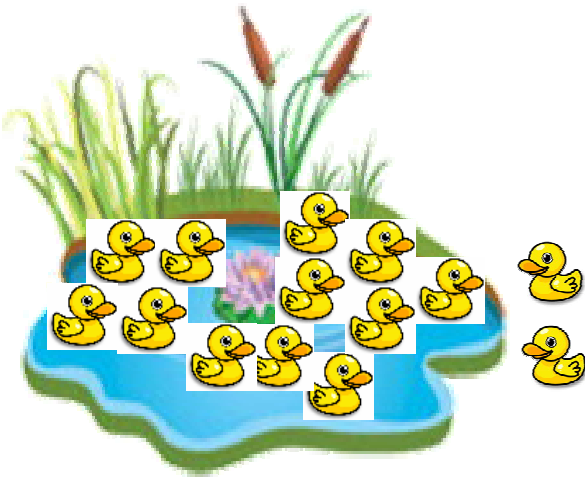
5. Xramosar e perutne kadale ginenqe: 28, 36, 71, 89!

6. Save si e gina kerde anθar deśa thaj jekhimata kaj si len e cifrenqi sùma 9? Tha` e diferencaça maśkar lenθe 2?

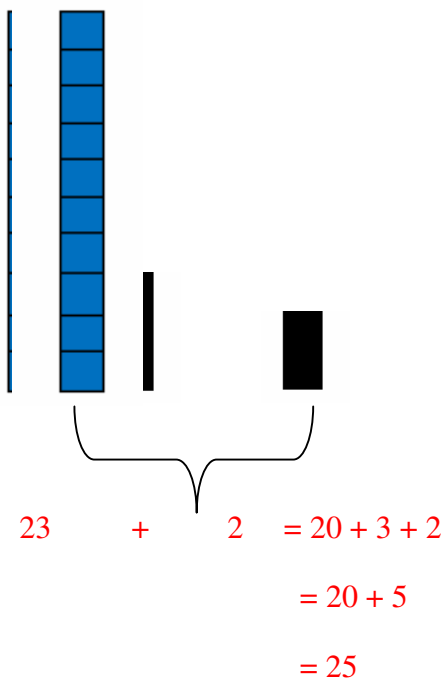
7. Xulav anθ-e deśa thaj jekhimata e gina: 42, 67, 19, 83!

III. O KIDERIPEN THAJ O TIKNERIPEN E NATURALONE GINENQO KAΘAR 0 KAJ 30

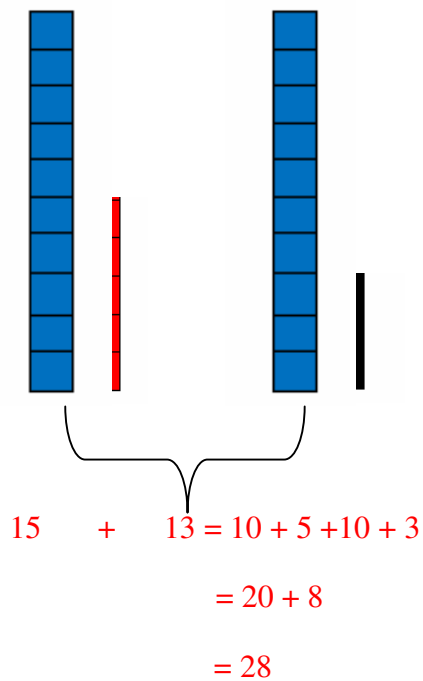
10. O kideripen thaj o tiknederipen e naturalone ginenqo kaθar 0 kaj 30 (binakhindoj o òrdino)



$$12 + 2 = 14$$

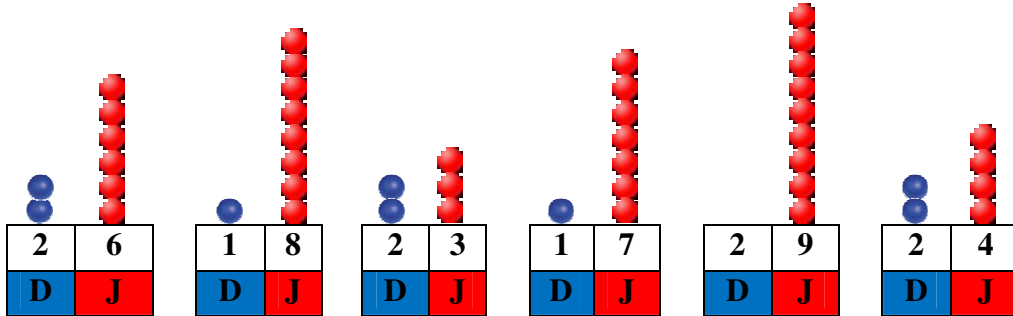


$$12 - 2 = 10$$





1. Xramosar kiderimatenqe thaj tiknederimatenqe operacìe, astarindoj kaðar e gina kerde p-e ginavimata!



2. Ginav vi xramosar sode inklöl!

$6 + 3 =$	$5 + 4 =$	$2 + 6 =$	$7 + 1 =$
$16 + 3 =$	$15 + 4 =$	$12 + 6 =$	$17 + 1 =$
$26 + 3 =$	$25 + 4 =$	$22 + 6 =$	$27 + 1 =$

3. Ginav vi xramosar sode inklöl!

$8 - 4 =$	$7 - 5 =$	$9 - 3 =$	$6 - 2 =$
$18 - 4 =$	$17 - 5 =$	$19 - 3 =$	$16 - 2 =$
$28 - 14 =$	$28 - 15 =$	$29 - 13 =$	$26 - 12 =$

4. Le Florinos si les 16 ambrola. La Dorina si la 2-ença maj but. Sode ambrola si la Dorina?

5. Arakh o gin 4-ça maj baro sar 11!

6. Arakh o gin 3-ça maj tikno sar 18!

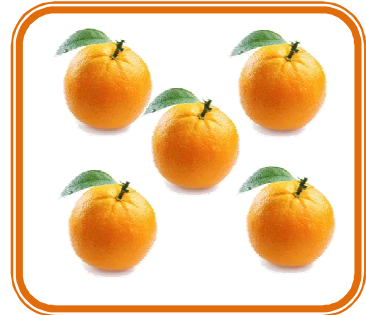
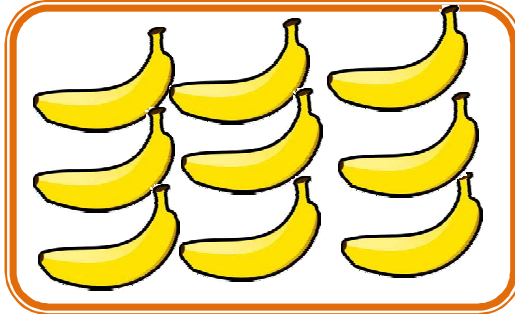
7. I Korina xudäs 12 trandafirurä thaj 5 garðfe. Sode luludä xudäs khethanes?

8. Pher e tabëlurä!

+ 5	
21	
14	
23	
15	

- 5	
28	
16	
25	
5	

**11. O kideripen e natyralone ginenqo ka0ar 0 kaj 30
(nakhindoq o 0rdino)**

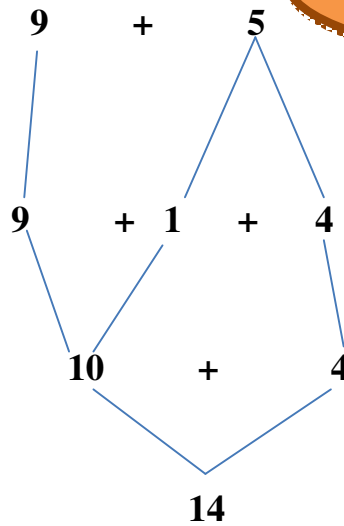


*La Dojna si la jekh fruktur0nqo 0aro 9 bananen0a thaj 5 portokalen0a.
Sode fr0ktur0 si la Dojna?*

$9 + 5 = ?$

$9 + 1 + 4 = 14$

Amboldipen = 14 fr0ktur0

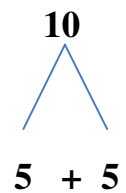
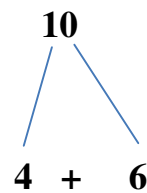
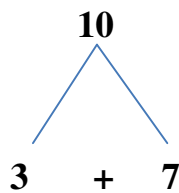
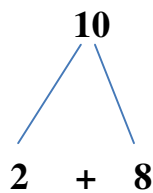
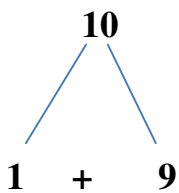


Pherel pes jekh deš, haj e a0hile jekhimata kiden pen.

9	+	5	=	14
t0rmeno		t0rmeno		s0ma



Te ginavas!





1. Ginav palal o modèlo!

$$\begin{aligned}8 + 4 &= 8 + 2 + 2 \\ &= 10 + 2 \\ &= 12\end{aligned}$$

$$\begin{aligned}7 + 9 &= \\ 8 + 7 &= \\ 4 + 8 &= \end{aligned}$$

$$\begin{aligned}5 + 6 &= \\ 7 + 4 &= \\ 9 + 2 &= \end{aligned}$$

$$\begin{aligned}9 + 4 &= \\ 6 + 8 &= \\ 7 + 6 &= \end{aligned}$$

$$\begin{aligned}16 + 9 &= 16 + 4 + 5 \\ &= 20 + 5 \\ &= 25\end{aligned}$$

$$\begin{aligned}15 + 8 &= \\ 12 + 9 &= \\ 13 + 8 &= \end{aligned}$$

$$\begin{aligned}17 + 7 &= \\ 14 + 8 &= \\ 19 + 5 &= \end{aligned}$$

$$\begin{aligned}13 + 9 &= \\ 16 + 5 &= \\ 19 + 8 &= \end{aligned}$$

2. Ginav!

$$7 + 6 + 5 =$$

$$6 + 8 + 4 =$$

$$9 + 4 + 7 =$$

$$3 + 5 + 9 =$$

3. Arakh e ginenqi sùma!

7 thaj 6, 8 thaj 3, 9 thaj 5, 8 thaj 8.

4. La Mihaela si la 19 pendexa. La Dana si la 4-ença maj but pendexa. Sode pendexa si la Dana?

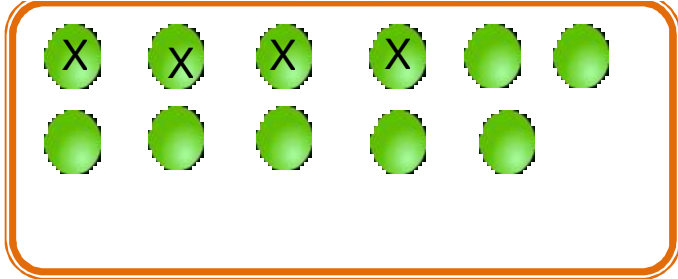
5. Anθ-jekh bar si 14 lole luludă thaj 11 bodle luludă. Sode luludă si anθ-i bar?

6. Xramosar e gina 10, 12, 14, 16, 18 sar sùma duje barrabarre ginenqi!

7. Anθ-jekh angarnenqi kutìa si 18 lole angarne thaj 3 kale angarne. Sode angarne si khethanes anθ-i kutìa?

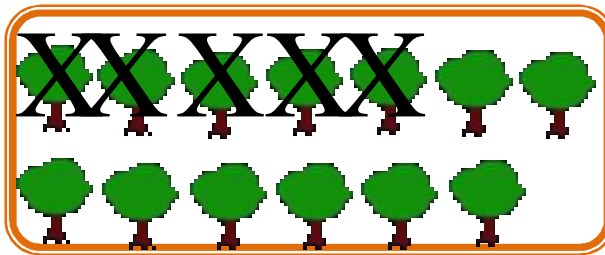
8. O Mariàn rezolvisardăs 12 matematikane bută, haj lesqo amal 9-ença maj but. Sode matematikane bută rezolvisardăs e Marianosqo amal?

12. O tiknederipen e naturalone ginenqo kaθar 0 kaj 30
(nakhindojo o òrdino)



$$11 - 4 = 1 + 10 - 4$$

$$1 + 6 = 7$$



$13 - 5 = 8$

$15 - 7 = 8$

15	-	7	=	8
tiknederipnasqo gin		tiknederno		diferènca



	-		=	
--	---	--	---	--

	-		=	
--	---	--	---	--



1. Ginav palal o modèlo!

$$\begin{aligned}13 - 4 &= 13 - 3 - 1 \\ &= 10 - 1 \\ &= 9\end{aligned}$$

$$\begin{aligned}17 - 9 &= \\ 18 - 9 &= \\ 14 - 8 &= \end{aligned}$$

$$\begin{aligned}15 - 8 &= \\ 13 - 5 &= \\ 11 - 5 &= \end{aligned}$$

$$\begin{aligned}14 - 7 &= \\ 16 - 8 &= \\ 12 - 6 &= \end{aligned}$$

$$\begin{aligned}16 - 9 &= 16 - 6 - 3 \\ &= 10 - 3 \\ &= 7\end{aligned}$$

$$\begin{aligned}14 - 8 &= \\ 12 - 9 &= \\ 13 - 8 &= \end{aligned}$$

$$\begin{aligned}17 - 7 &= \\ 14 - 6 &= \\ 12 - 7 &= \end{aligned}$$

$$\begin{aligned}13 - 9 &= \\ 16 - 7 &= \\ 13 - 9 &= \end{aligned}$$

2. Arakh o gin:

- a) 8-ça maj tikno sar o gin 14;
- b) 7-ça maj tikno sar o gin 16;
- c) 5-ça maj tikno sar o gin 12.

3. Vaş pesqo biandipnasqo dīves, o Kristi kindās jekh kutia 15 bombonença. Vov del pesqe 8 amalenqe po jekh bombòna. Sode bombòne maj áchilen le Kristesqe?

4. Le papos si les 18 kale grasta thaj 9-ença maj cira parne grasta. Sode parne grasta si le papos?

5. Anθ-jekh bar si 12 raçná, thaj papinã 5-ença maj cira sar raçná. Sode papinã si anθ-i bar?

6. Le Jonos si les 16 berśa. Pesqo phral si 8-tone bersença maj tikno sar o Jòno. Sode berśa si pesqe phrales?

7. Anθar pesqe 19 lèvurã, i Ioàna kindās frùkturã vaş 6 lèvurã thaj jekh tòrto vaş 7 lèvurã. Sode love maj áchilãs la Ioanaqe?




8. K-jekh bikinlin sas andine 16 gone areça. Anθar lenθe bikinde pen 9 gone. Sode gone maj áchile bikinipnasqe?




9. Jekhe bakrãres si les 11 bakrorre, haj buznorre 5-ença maj cira sar bakrorre. Sode buznorre si le bakrãres?

13. Kideripnasqe thaj tiknederipnasqe problème e naturalone ginença kaθar 0 kaj 30

1. Po jekh ràfto si 24 lila. O Geòrge thaj o Mihàj line sarkon zeno po 3 lila. Sode lila maj aχhile p-o ràfto?
2. Anθ-jekh tàboro aresle anθ-o anglutno dīves 12 çhave, thaj anθ-o dujto dīves 5-ença maj but. Sode çhave aresle anθ-o tàboro anθ-e kodola duj dīvesa?
3. Ginav e ginenqi sùma 17, 15, 18, 14 e gineça 9!
4. Anθ-jekh klàsa si 26 siklòvne. 18 anθar lenθe si çhave, thaj e kolaver si çhaja. Sode çhaja si anθ-i klàsa?
5. La Vera si la 17 angrustnà, thaj cénà 5-ença maj but sar angrustnà. Sode cénà si la Vera?

6. Arakh e gina garavde palal o !

A		12	28
B	14	9	
a-b	6		4

a	15		7
b	9	8	
a+b		26	12

7. La Ana si la 15 lila. Sode lila maj trebalas laqe, kaj te avel la 29?
8. Ginav astarindoj kaθar 0!

- a) anθar 3 anθ-e 3 zi k-o gin 27;
- b) anθar 4 anθ-e 4 zi k-o gin 28;
- c) anθar 5 anθ-e 5 zi k-o gin 30;
- d) anθar 6 anθ-e 6 zi k-o gin 30;
- e) anθar 7 anθ-e 7 zi k-o gin 28.

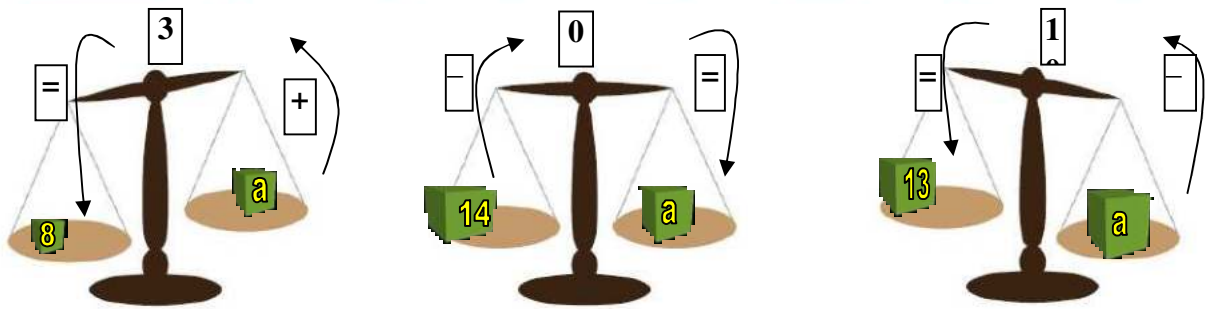


9. Vaš jekh fotbalosqo khelipen xramosarde pen 9 çhave. I ekìpa si te avel kerdi anθar 11 çhave. Sode çhave maj si te xramosaren pen, kaj te avel pherdi i ekìpa?

10. Panz terne telärde xaóojipnasθe. Sarkon zeno xudäs po 3 sósoja. Sode sósoja xudine e kodola panz zene khethanes?
11. Kana 3 kilava thaj jekh ambrol tolären sar jekh kilav thaj 2 ambrola, sode kilava tolären sar jekh ambrol?
12. I Àna kidäs 16 phabaja, haj o Sorìn kidäs 9 phabaja. Kon kidäs maj but phabaja thaj sodença?
13. P-i jekh ranik si 28 ćiriklä. Kaj jekh başıbaś, 9 anθar lenθe xurände. Sode ćiriklä maj aćhile p-i ranik?
14. I Irìna kidäs 16 suvåle rukhesqe kònură thaj 7-ença maj cira pinosqe kònură. Sode pinosqe kònură kidäs? Sode kònură kidäs anθ-o totålo?
15. Kaj jekh konkürso, magläs pes le siklövnenqe te keren jekh problèma, savi te rezolvisarel pes e ginavipnaça $18 - 6 - 2 =$. Drabar o tabèlo thaj phen:
- a) Kon kerdäs ćaćes i problèma?
- b) So dośa kerde e kolaver ćhave?
- c) Sar śaj aven laćharde e dośale problème?

IONÈL	Linem 18 phabaja. Dinem le 3ikulosqe 2 phabaja, thaj vov däs manqe 6 ambrola. Sode phabaja si man palal kadava paruvipen?
KRÌSTI	Kidem anθar o veś 18 mùre. Xalem anθ-o veś 6 mùre, thaj p-o drom maj xalem 2 mùre. Sode mùre maj aćhile manqe?
REBÈKA	P-i jekh sastrutni dori sasas 18 ćiriklä. Xurändine 6 ćiriklä thaj maj avile aver 2 ćiriklä. Sode ćiriklä si akana p-i sastrutni dori?

14. O arakhpen e biprinzarde termenosqo



So tolărel maj but?

$$\begin{aligned} a + 3 &= 8 \\ a &= 8 - 3 \\ a &= 5 \end{aligned}$$



E dujen si len sajekh tolăripen?

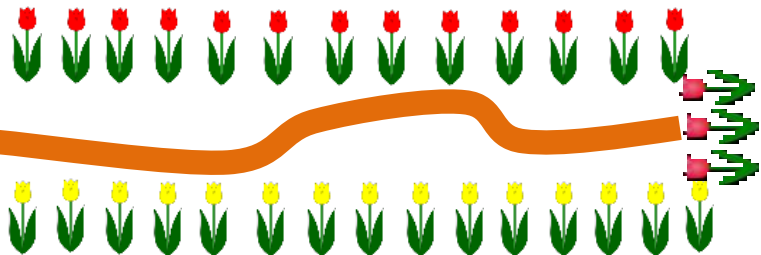
$$\begin{aligned} 14 - a &= 0 \\ a &= 14 - 0 \\ a &= 14 \end{aligned}$$



So tolărel maj cira?

$$\begin{aligned} a - 13 &= 10 \\ a &= 10 + 13 \\ a &= 23 \end{aligned}$$

I Mihaela kamel te kerel jekh luludănqo vast anθar 13 luludă. Voj kidăs 7 luludă. Sode luludă maj trobal te kidel?



$$7 + ? = 13$$

$$7 + 1 = 8 \quad 8 < 13$$

$$7 + 2 = 9 \quad 9 < 13$$

$$7 + 3 = 10 \quad 10 < 13$$

$$7 + 4 = 11 \quad 11 < 13$$

$$7 + 5 = 12 \quad 12 < 13$$

$$7 + 6 = 13 \quad 13 = 13$$

Arakhas anθar zumavimata!

Vaj:

$$\begin{aligned} 7 + a &= 13 \\ a &= 13 - 7 \\ a &= 6 \end{aligned}$$

Amboldipen: Si te maj kidel 6 luludă.



1. Arakh e biprinzarde gina!

$$a + 6 = 15$$

$$b + 7 = 13$$

$$a - 8 = 7$$

$$b - 5 = 8$$

$$15 + a = 24$$

$$29 - b = 16$$

$$22 - a = 17$$

$$9 + b = 21$$

2. La Dana si la anθ-o akvário 18 maçe. Sode maçe maj trebal laqe, kaj te avel la 30?
3. La Anka si la 16 cítre, thaj le Marinos 28 cítre. Sode cítre maj trebal la Anka, kaj te avel la sa kazom sode si le Marinos?
4. Sas amen anθ-i klàsa 11 balònurã. Kana avilãm palpale anθar i pàuza maj arakhlãm 7 balònurã, kolaver sas pharavde. Sode balònurã sas pharavde?
5. Savo si o dujto tèrmeno, kana o anglutno tèrmeno jekhe kideripnasqo si 8, thaj i sùma si 21?
6. Arakh e gina 4-ença maj bare sar: 16, 17, 19, 18!
7. O Kornèl xudãs 6 khelnorre, save thovdãs len khethanes pesqe khelnorrença, avilindoj les anθ-o totàlo 28 khelnorre. Sode khelnorre sas le Kornelos ka-o astaripen?
8. I daj anglekerdãs mariklã frukturãnça. O Mihàj xalãs 6 anθar lenθe, thaj p-o çaro maj açhile 9 mariklã. Sode mariklã anglekerdãs i daj?
9. Anθ-jekh pherelin sas votanãrde/thovdine anθ-i phuv 10 kilava. Sode ambrolinã sas astarde anθ-i phuv, kana anθ-o totàlo si 30 rukha?
10. I Danièla thol e çhurã thaj e rroja vaś o mezmèri. Kana thovdãs 4 rroja thaj 4 starfinã, sode çhurã kmapel te maj thol i Danièla? Sode zene xan ka-o mezmèri?

15. Palem dikhpen

1. Ginav!

$10 + 20$

$8 + 3$

$2 + 2 + 2 + 2 + 2 + 2$

$18 + 10$

$6 + 6$

$3 + 3 + 3 + 3 + 3$

$30 - 10$

$13 - 9$

$4 + 4 + 4$

$28 - 18$

$16 - 8$

$5 + 5 + 5$

2. Anθ-jekh kutia si 16 bombòne. Sode bombòne si te xan duj çhave, kaj te açhen 7 bombòne?

3. O zmèvo lias anθar o drabardo rukh trin var po trin phabaja. Sode phabaja lias o zmèvo zi ka-o agor?

4. Anθ-o pàrko 6 çhaja khelen pen anθ-o kişaj, thaj 7 çhave khelen pen la golnăça. Sode çhave (çhaja thaj çhave) khelen pen anθ-o pàrko?

5. Arakh o biprinzardo tèrmeno!

$25 - a = 19$

$c + 14 = 21$

$b + 8 = 15$

$d - 3 = 8$

6. Arakh e gina, save, kidine e 7-ça, den i sùma maj tikni sar o 12!

7. Godišardem man k-e duj gina. Lenqi sùma si 14, thaj lenqi diferènca si 2. Save ginenθe godišardem man?

8. O Tùdor phiravel p-o pesqo gadorro jekh gin 8-ça maj tikno sar i diferènca e ginenqi 19 thaj 6. So gin phiravel p-o gadorro?

9. 15 siklòvne anθar i II-to klàsa inkeren la ekipaça „Steaua“ („I çerxan“). 6-ença maj but inkeren le Rapidoça. Sode siklòvne inkeren le Rapidoça?

10. So gina kidine e 9-ça den i sùma maj tikni sar 26?



16. Evaluàcia



1. Ginav!

$21 + 8$

$29 - 14$

$18 - 9$

$15 + 7$

$18 - 17$



$14 + 8$

$13 + 9$

$22 - 6$

$16 + 6$

2. Ginav!

a		12	
b	9	7	
a-b	6		19

3. Anθar i sùma e ginenqi 9 thaj 7, ankalav lenqi diferènca!

4. Arakh o gin 20-ça maj tikno sar i sùma e ginenqi 14 thaj 16!

5. Anθar jekh klàsa, 15 çhave khelen fòtbalo, thaj 9 çhave khelen tèniso. Sode çhave si anθ-i kodoja klàsa?

6. Anθ-e papurenqi pherelin si 12 ambrolinà, 6 kirešlinà thaj 7 zarzarlinà. Sode rukha si anθ-o totàlo anθ-i pherelin?

7. Arakh e biprinzarde gina!

$a - 3 = 16$

$25 - b = 9$

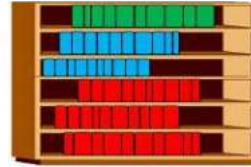
$c + 14 = 22$

IV. O KIDERIPEN THAJ O TIKNERIPEN E NATURALONE GINENQO KAΘAR 0 KAJ 100

17. O kideripen thaj o tiknederipen e naturalone ginenqo kaθar 0 kaj 100 kerde nùmaj anθar deša



O Alin thaj o Dan thovdine penqe lila anθ-i bibliotëka palal e učarnăqi rang. Dikhen o ćitro thaj ginaven sode lila anθar svàko rang si anθ-i bibliotëka.



Kaj te arakhen e lilenqo gin anθar i bibliotëka, e duj çhave ginavde kadja:

O Alin:

- Kidās e lilenqo gin, save si len zèlena učarnă kodolença save si len bodle učarnă;

$$10 + 20 = 30$$

- Kidās, palal kodoja, kadalenθe, e lilenqo gin save si len lole učarnă.

$$10 + 20 + 30 = 30 + 30 = 60$$

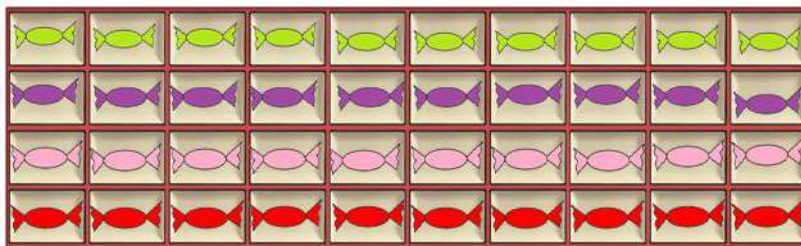
O Dan:

- Kidās e lilenqo gin, save si len lole učarnă kodolença save si len bodle učarnă;

$$30 + 20 = 50$$

- Kadalenθe, kidās e lilenqo gin save si len zèlena učarnă.

$$30 + 20 + 10 = 50 + 10 = 60$$



La Diana si la jekh kutia 40 bombonença, save trebal te xulavel len maj tikne pesqe phenănça. Voj dela sarkone po 10 bombòne, mekhindoj len te alosaren von e papirosqi rang: i Ioàna alosarel phuvàlale bombòne, i Marìa alosarel zèlena bombòne, i Kristìna alosarel lole bombòne, thaj o kolaver àchen la Dianaqe.

Dikh o ćitro thaj ginav sode bombòne maj àchen la Dianaqe thaj so rang si lenqo papìri.

- $40 - 10 - 10 - 10 = 10$



1. Ginav!

$6 + 2 =$

$4 + 5 =$

$2 + 4 =$

$60 + 20 =$

$40 + 50 =$

$20 + 40 =$

2. Ginav!

$9 - 5 =$

$7 - 4 =$

$8 - 3 =$

$90 - 50 =$

$70 - 40 =$

$80 - 30 =$

3. Ginav e bută!

$30 + 20 =$

$40 - 20 =$

$50 + 20 =$

$70 - 30 =$

$60 + 30 =$

$90 - 60 =$

$60 + 30 =$

$80 - 70 =$

$40 + 50 =$

$50 - 30 =$

$10 + 40 =$

$90 - 40 =$

4. Save si e gina 20-ça maj bare sar: 60, 50, 40, 70?

5. Save si e gina 40-ça maj tikne sar: 90, 80, 70, 60?

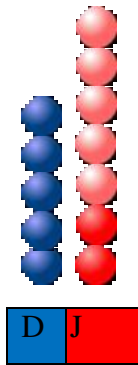
6. Anθ-jekh pàrko sas votanârde/astarde phuvăθe 40 fălurina thaj 30 cámlină. Sode rukha sas votanârde anθ-o pàrko?

7. Pa jekh talo si 30 račnă. 10 anθar lenθe inklile anθar o pani. Sode račnă ačhile anθ-o talo?

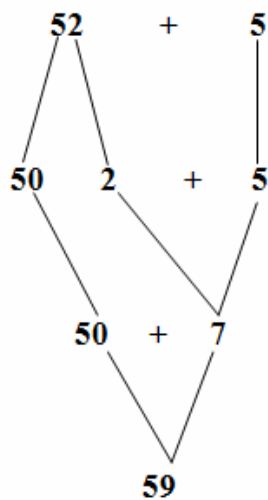
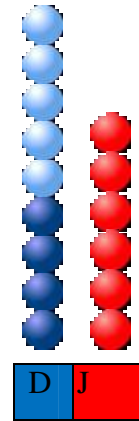
8. Pa jekh dromorro thovdăs pes 50 ròze thaj 20 tuliphanda. Anθar kadala 10 ròze śukile. Sode luludă maj ačhile?

9. Le Adrianos si les 10 berśa. O pàpus si maj phuro 50 berśenča sar vov. Sode berśa si le papos?

18. O kideripen e naturalone ginengo kaθar 0 kaj 100 kerde anθar D thaj J (binakhindoj o òrdino)



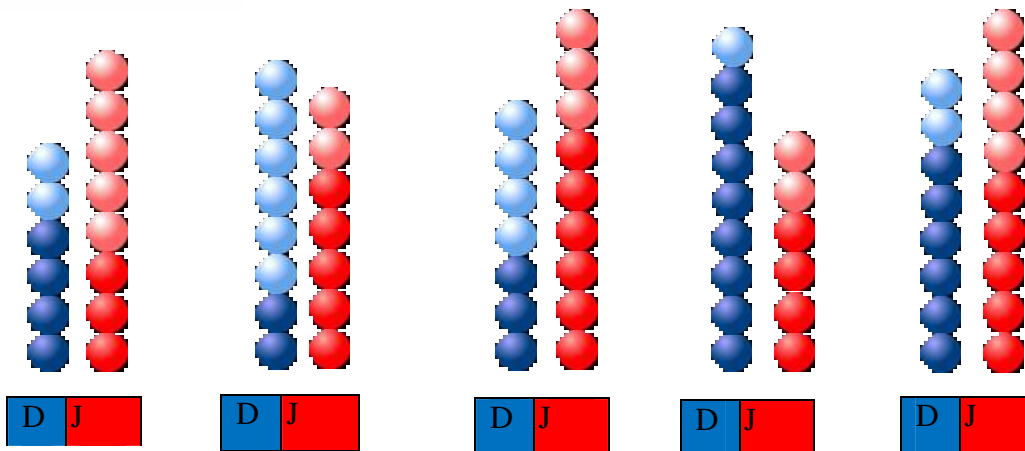
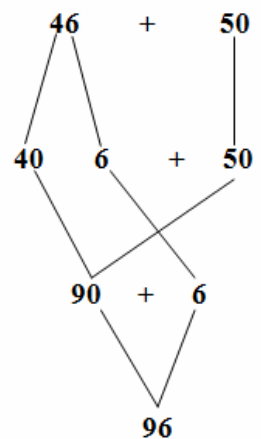
Dikhen sar keras e ginengo kideripen!



D	J
5	2
	7
5	9



D	J
4	6
5	0
9	6



Xramosar thaj ginav e kiderimata reprezentatarde p-o svàko ginavipen!



1. Ginav, palal kodoja ker i verifikàcia!

$56 + 23$

$27 + 20$

$0 + 29$

$78 + 21$

$5 + 31$

$32 + 23$

$58 + 30$

$48 + 41$

$58 + 40$

2. Jekh gin si 13, thaj kolaver si 23-ëça maj baro. Savo si o dujto gin? Tha` lenqi sùma?
3. Arakh o gin 15-ça maj baro sar: 12, 41, 80, 24!
4. Arakh e ginenqi sùma: 24 thaj 53, 61 thaj 27, 35 thaj 14!
5. Xramosar sarkon anθar e gina sar sùma trine termenurenqi: 12, 60, 36!
6. Xramosar thaj rezolvisar nùmaj e ginavipnasqe bută e rezultaturença maškar 30 thaj 40!

$11 + 16$

$31 + 18$

$12 + 12 + 15$

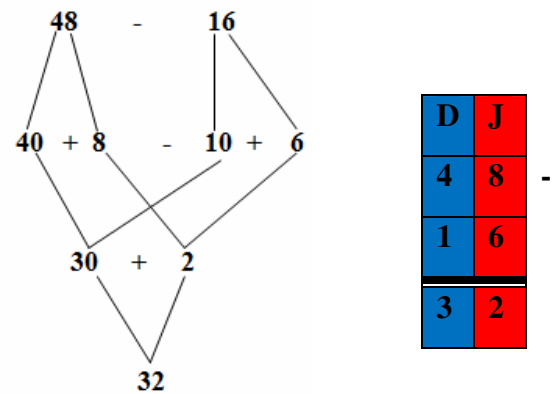
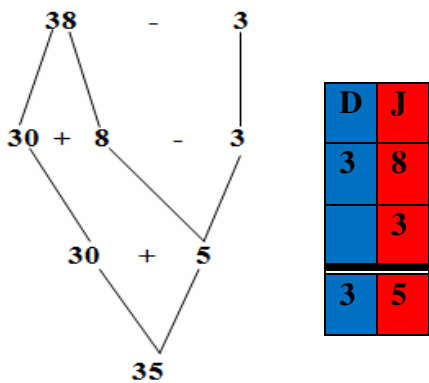
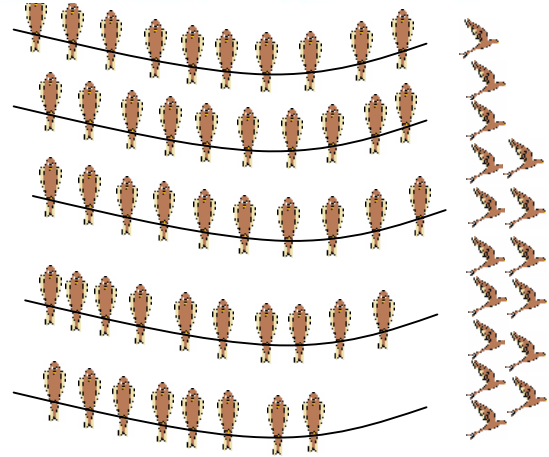
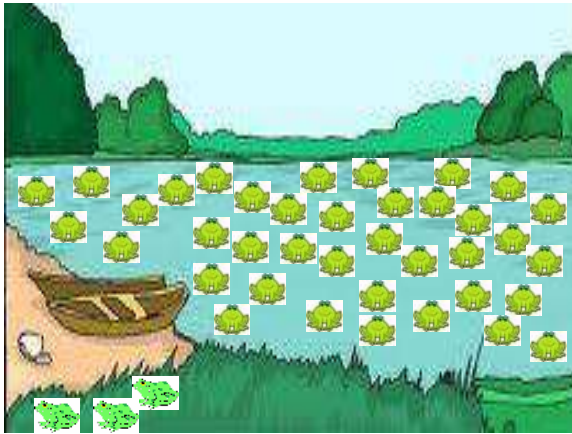
$21 + 16 + 3$

7. Ginaven e ginenqi sùma palal sarkon balòno!

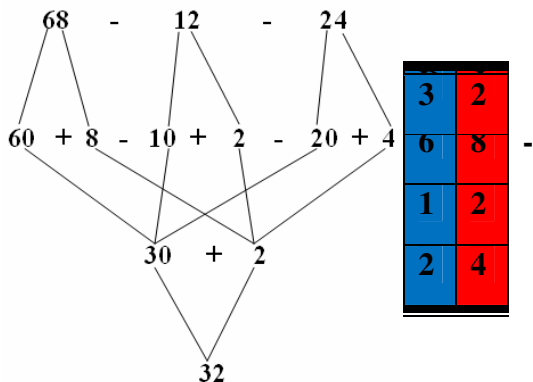


8. Ka jekh lilenqo magazìno binkinde pen anθ-jekh dīves 54 štartorre liniënça thaj 21 matematikaqe štartorre. Sode štartorre binkinde pen khethanes?
9. Anθ-jekh moxtonorro si 42 phabaja thaj 26 ambrola. Sode frùktură si anθ-o totàlo anθ-o moxtonorro?
10. Le Kasianos si les 15 akhora. I daj maj del lesqe 30 akhora. Sode akhora si khethanes le Kasianos?

19. O tiknederipen e naturalone ginenqo kaθar 0 kaj 100 kerde anθar D thaj J (binakhindojo o òrdino)



Anθ-jekh trèno sasas 68 phiravne. K-i anglutni stàcia dine pen tele 12 zene, thaj ka-i dujto stàcia maj dine pen tele 24 zene. Sode phiravne maj aθhile anθ-o trèno?



$$\begin{aligned}
 68 - 12 - 24 &= 60 - 10 - 20 + 8 - 2 - 4 \\
 &= 30 + 2 \\
 &= 32
 \end{aligned}$$



1. Ginav, thovindoj e gina jekh telal aver!

$87 - 35 =$

$98 - 67 =$

$75 - 41 =$

$59 - 22 =$

$86 - 51 =$

$68 - 34 =$

$77 - 47 =$

$38 - 25 =$

$47 - 21 =$

2. Arakh e gina: 25-eça maj tikne sar o 96, 14-eça maj tikne sar o 67, 31-eça maj tikne sar o 78!

3. Ginav thaj palal kodoja pher o tabèlo!

a	86	79	57	45
a	60	40	30	20
a-b				

a	68	89	97	58
b	15	47	75	24
a-b				

4. Kaj jekh magazìno sas andine 98 manre. Bikinde pen 75 manre. Sode manre maj ačhile?
5. Anθ-jekh garàzo sasas 46 vurdona. 15 vurdona gele anθ-i kùrsa. Sode vurdona maj ačhile anθ-o garàzo?
6. Le Doros si les 36 berša. Lesqo phral, o Màrio, si maj tikno 12 beršença. Kozom berša si le Marios?
7. Le Florinos sasas les te rezolvisarel anθ-e milajesqi vakànca 75 problème. Vov agorisardàs 51 problème. Sode problème maj si le Florinos te rezolvisarel?
8. Jekh butìlin si te kerel 68 kostùmură. 3i akana sas kerde 55 kostùmură. Sode kostùmură maj si te keren?

20. O kideripen e naturalone ginenço kaθar 0 kaj 100 (nakhindoj o òrdino)



O Mariàn



Si man 28 maçe anθ-o akvàrio!

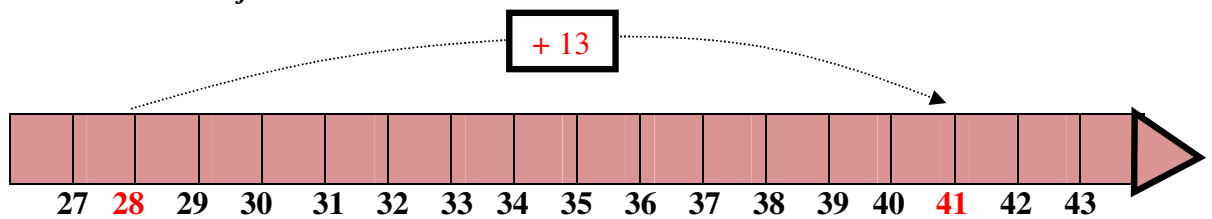


I Ànka



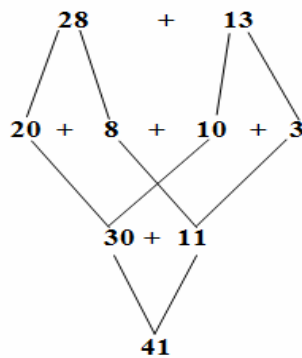
Man si man 13-ença maj but!

a) *Ginav labàrindoj o òtro:*



b) *Ginav xulavindoj e gina anθ-e deša thaj jekhimata:*

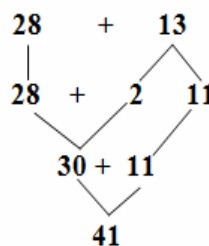
$$28 + 13 = 41$$



D	J	
2	8	+
1	3	
4	1	

c) *Ginav pherindoj i deš:*

$$28 + 13 = 41$$



$$\begin{aligned} 28 + 13 &= 28 + 2 + 11 \\ &= 30 + 11 \\ &= 41 \end{aligned}$$



1. Ginav, thovindoj e gina jekh telal aver!

$16 + 26 =$

$35 + 47 =$

$56 + 38 =$

$37 + 52 =$

$42 + 29 =$

$64 + 27 =$

$63 + 18 =$

$25 + 38 =$

$18 + 49 =$

2. Xramosar e dine gina sar duje termenurenqi sùma, jekh tèrmeno kerdo nùmaj anθar deša thaj kolaver kerdo anθar jekhimata!

46

66

87

29

3. Ginav, labärindoj e ginenqo xulavipen anθ-e deša thaj jekhimata!

$75 + 26 =$

$28 + 6 =$

$52 + 19 =$

$37 + 26 =$

4. Arakh e ginenqi sùma!

$34 \text{ thaj } 59 =$

$75 \text{ thaj } 19 =$

$58 \text{ thaj } 35 =$

$26 \text{ thaj } 57 =$

5. Anθ-jekh ekìpa vaš tradicionàlo khelimata si 16 çhaja thaj 16 çhave. Sode zene si anθ-e khelimatenci ekìpa?

6. Kaj jekh luludàlin si 38 tuliphanda thaj 54 ròze. Sode luludà si savorre anθ-i luludàlin?

7. Arakh e rezultàtură!

TÈRMENO	6	18	74	18	39
TÈRMENO	4	9	6	18	46
SÙMA	?	?	?	?	?

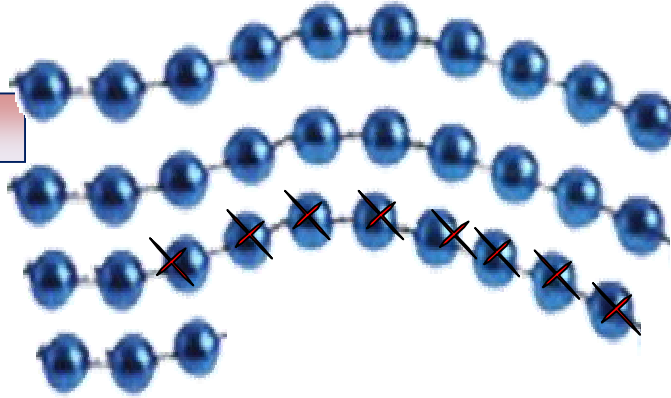
8. Kaj jekh cirkosqo spektàkulo lien rig 13 grastorre thaj 28 zukela. Sode zivutre lien rig ka-o cìrko?

21. O tiknederipen e naturalone ginenqo kaθar 0 kaj 100 (nakhindoj o  rdino)

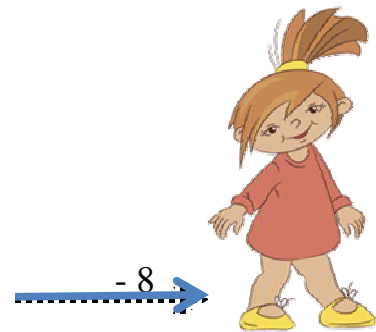
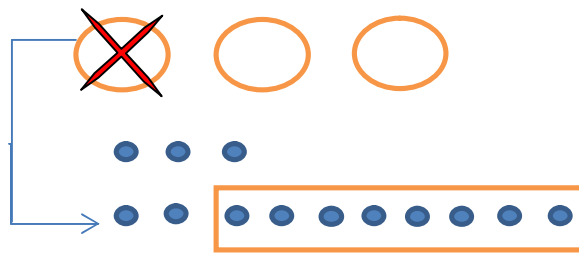


1. La Rebeka sasas la 33 mirikle. Voj d s pesqe phen qe 8 mirikle thaj ginavd s sode maj a hile laqe.

$$33 - 8 = ?$$



D	J	-
3	3	
	8	
2	5	

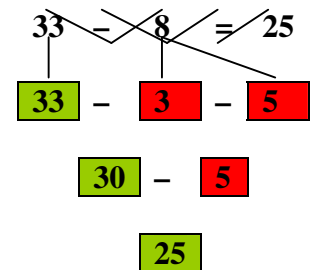


- 8

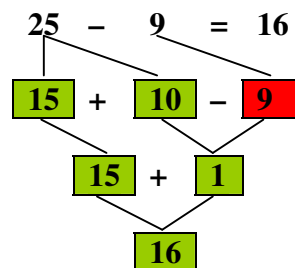
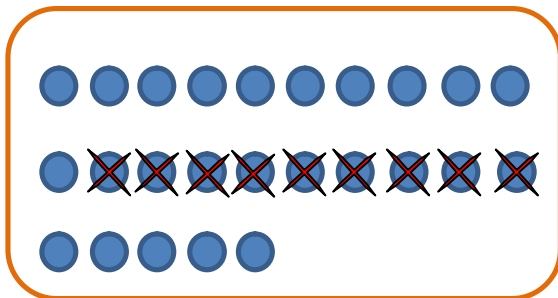
Dikh o  citra!

Sar kerd s i Reb ka kaj te ankalavel 8 anθar 33 mirikle?

Sode mirikle maj a hile la Rebeqaqe? Ginav len!



2. Ginav, lab rindoj o  citra! $25 - 9 = ?$



D	J	-
2	5	
	9	
1	6	



1. Ginav, palal kodoja ker i verifikàcia!

$26 + 15 =$

$38 + 27 =$

$63 + 29 =$

$72 - 45 =$

$92 - 55 =$

$84 - 36 =$

2. Arakh o gin:

a) 19-ça maj baro sar 56!

b) 28-ça maj tikno sar 72!

3. Alosar o çaço rezultàto!

$52 - 16 =$

28

36

46

$85 - 38 =$

52

41

43

4. Ginav, pala kodoja pher o tabèlo!

Tiknederipnasqo gin	40	63	94	22
Tiknederno	25	18	67	14
Diferènca				

Tiknederipnasqo gin	51	82	70	95
Tiknederno	27	59	38	46
Diferènca				

5. O Mاريو ginavdàs anθar 3 anθ-e 3, haj i Sidònia anθar 6 anθ-e 6. Kana astarde kaθar 0, kon areslàs jekh to ka-o 48? Sosθar?

6. O Ionèl kerdàs 43 angrustnà. O Kornèl kerdàs 16-ença maj cira. Sode angrustnà kerdàs o Kornèl?

7. I Sànda suvdàs 34 nakhesqe khosne. I Kamèlia suvdàs 15-ença maj cira. Sode khosne suvdàs i Kamèlia? Sode khosne suvde khethanes e duj çhaja?

8. Ka-jekh konkùrso o Dan lias 46 pùnturà, o Valentìn lias 18-ença maj cira pùnturà sar o Dan, haj o Sorìn lias 39 pùnturà. Sode pùnturà lias o Valentìn? Savo si o klasamènto?

22. Kideripnasqe thaj tiknederipnasqe problème e naturalone ginença kaθar 0 kaj 100



o Kostèl



*Man si man 29
tìmbururǎ!*



*Man si man
11-ença maj
but!*

o Samuèl



Sode tìmbururǎ si anθ-o totàlo le duje éhaven?

E PROBLEMAQE DÀTE

Kostèl	→ 29 tìmbururǎ
Samuèl	→ 11-ença maj but

PUÇHIMATA

*Sode tìmbururǎ si le Samuelos?
Sode tìmbururǎ si khethanes le duje éhaven?*

REZOLVISARIPEN

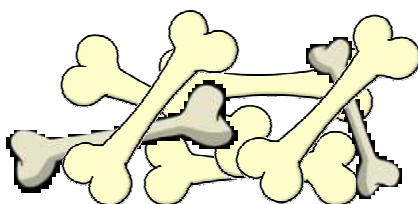
- Sode tìmbururǎ si le Samuelos?*
 $29 + 11 = 40$
- Sode tìmbururǎ si khethanes le duje éhaven?*
 $29 + 40 = 69$

Amboldipen: 69

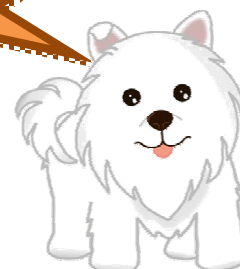
Thov o puçhipen thaj rezolvisar i problèma palal o anglutno modèlo!



*Me xalem 14
kòkala!*



*Me xalem 8-ença
maj cìra!*





1. Vaš e pikturaqo cèntro, sas kinde 28 kutie akvarelença thaj 36 kutie rangärde angarnença.

Sode kutie akvarelença thaj rangärde angarnença sas kinde anθ-o totàlo?

2. La Estera si la 43 khelnorre. La Dora si la 15-ença maj cira khelnorre sar la Estera. Sode khelnorre si la Dora?

3. Anθ-jekh tòrto i daj thovdäs 16 portokäle, 5 banàne thaj 8 phabaja. Sode frùkturä thovdä i daj anθ-o tòrto?

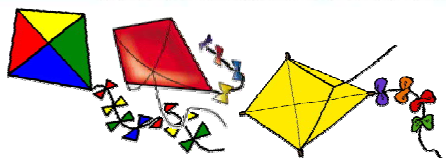


4. La mamä si la anθ-i bar 36 kaxnä, 15 raçnä thaj 8-ença maj cira papinä sar raçnä. Sode papinä si la mamä anθ-i bar? Sode çiriklä si la mamä khethanesθe?



5. I Nikolèta drabardäs 27 patrinä anθar jekh lil paramicënça. Sode patrinä maj trebal te drabarel i Nikolèta, kana savorre lile si len 72 patrinä?
6. O dad kidäs anθar i bar 24 zèlena xerbùzurä thaj 18 gälbena xerbùzurä. Sode xerbùzurä kidä o dad anθ-o totàlo anθar i bar?
7. Anθ-jekh aviòno si 66 baremanuša thaj 18 çhave. Sode zene si khethanes anθ-o aviòno?

23. O arakhipen e biprinzarde termenosqo



Le Kornelos sasas les 25 zmèvurá. Sode zmèvurá maj si les kana 16 mukhlás len te xurán?

$$25 - a = 16$$

$$a = 25 - 16$$

$$a = 9$$

Ka-o teläripen, anθ-jekh autobùzo sasas 62 zene.
Ka-o jekhto áchavipen dine pen tele 14 zene.
Sode zene maj dine pen tele ka-o dujto áchavipen,
kana k-o agor aresle 9 zene?

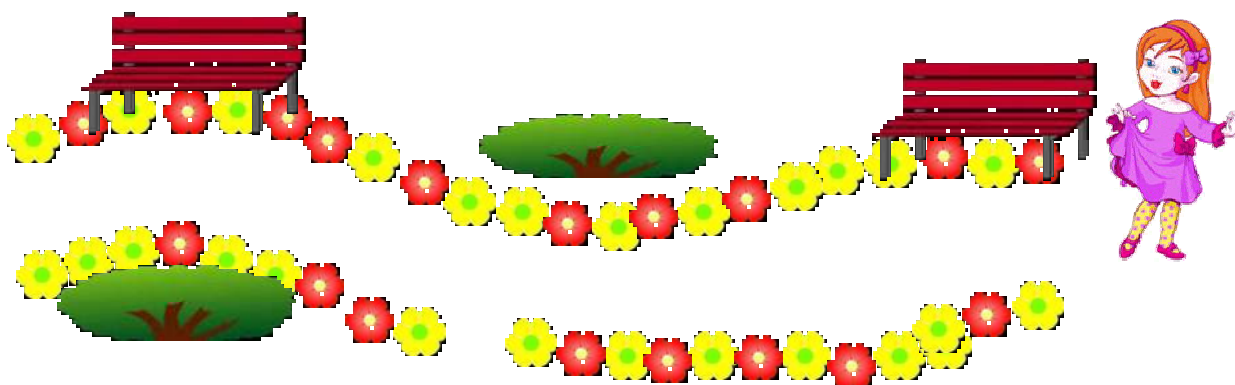


$$62 - 14 - b = 9$$

$$48 - b = 9$$

$$b = 48 - 9$$

$$b = 38$$



I Krìna votanärdäs 73 luludä. Kana luludísajle, 18 luludä sasas lole, haj e kolaver sasas gälbena. Sode gälbena luludä sasas anθ-i bar?

$$18 + c = 73$$

$$c = 73 - 18$$

$$c = 55$$



1. Anθ-jekh kutìa si 56 bìle. Anθar lenθe, 18 si parne, thaj e kolaver si kale.
Sode kale bìle si anθ-i kutìa?
2. I Kasàndra kidàs opral i kišajlin 42 gongrova. 28 gongrova sas gri, thaj e kolaver sasas gàlbena. Sode gongrova sasas gàlbena?
3. Kaj te šukarären e klasaqi sàla, le siklōvnen trebal lenqe 54 papirosqe/lilesqe luludă. 3i akana von kerde 38 papirosqe luludă. Sode papirosqe luludă si te maj keren e čhave?



4. Čitre e tabèlură anθ-o štartorro, thaj palal kodoja ginav!

a	33		15	
b		41		72
a+b	59	60	52	91

a		72		93
b	25		49	
a-b	31	23	22	85

5. Le Jonelos si les 28 vurdonorre. Sode vurdonorre maj trebal lesqe, kaj te avel les 55?
6. Godšarav man jekhe ginesθe. Anθar lesθe ankalavav 42 thaj del man 70. Save ginesθe godšardem man?
7. Duje ginenqi sùma si 74. O dujto tèrmeno si 46. Arakh o anglutno tèrmeno!
8. O Rèmus, o Emìl thaj o Geòrge kidine khethanes anθar o pàrko 83 càmlle. O Rèmus thaj o Emil kidine khethanes 55 càmlle. E kolaver sas kidine e Georgesθar. Sode càmlle kidàs o George?



24. Palem dikhpen

Matematikano alavàri	Pher e semnurença: <, =, >
e kideripnasqe tərmenurǎ	Jekh tərmeno si vaj e sumaça.
sùma	I sùma si vaj jekheça anθar e tərmenurǎ.
tiknederipnasqo gin	O tiknederipnasqo gin si vaj e liitorneça.
tiknederno	O tiknederno si vaj e tiknederipnasqe gineça.
diferènca	I diferènca si vaj e tiknederipnasqe gineça.

1. Savi si e ginenqi sùma?

37 thaj 26, 28 thaj 47, 52 thaj 18, 22 thaj 28.

2. Arakh e ginenqi diferènca!

90 thaj 28, 51 thaj 28, 19 thaj 10, 50 thaj 45.

3. Ginav!

$$28 + 12 + 56 = \qquad 70 - 35 - 12 =$$

$$80 - 30 + 27 = \qquad 40 - 7 - 21 =$$

$$56 - 9 - 12 = \qquad 13 + 17 + 27 =$$

4. Ker e matematikane butǎ, palal kodoja laçhar barǎrikanes e rezultaturǎ!

$$42 + 38 \qquad 92 - 15 \qquad 61 - 23$$

5. Arakh e gina save nana-i anθ-o dino širo!

30, 35, 40, 45, 50, ?, ?, ?, ?.

6. Arakh e ginenqi sùma, palal kodoja lenqi diferènca!

44 thaj 18 53 thaj 25.

7. Jekh maçhàri astardǎs 24 maçe. Aver maçhàri astardǎs 19-e maçhença maj but.

Kazom maçe astarde khethanes le duj maçhàrǎ?

8. Anθ-e školaqo kòro si 40 siklòvne. 23 anθar lenθe si çhaja, thaj e kolaver si çhave. Sode çhave si anθ-e školaqo kòro?

9. Arakh e biprinzarde gina!

$$\begin{array}{ll} 33 - \acute{s} = 26 & 28 + \theta = 32 \\ 45 - \acute{c} = 27 & q + 39 = 48 \\ 56 - \acute{z} = 49 & \zeta + 28 = 47 \end{array}$$

10. Phen, kana si çáce e relácie! Te na si, lačhar len!

$$73 - 34 < 40 \qquad 58 - 27 < 30 \qquad 30 < 91 - 72 > 40$$

11. Arakh e cìfre save garaven pen palal e pučhipnasqe sèmnurǎ (!)?

$81 -$	$94 -$	$50 -$	$70 -$
$6?$	$?6$	$2?$	$?6$
$?5$	$6?$	$?4$	$2?$

12. I Sílvia drabardǎs anθ-i vakànca 26 poezìe. I Beatrice drabardǎs 8-ença maj but poezìe sar i Sílvia. Sode poezìe drabarde khethanes le duj çhaja?

13. Arakh e gina:

- a) 5-ença maj bare sar 38, 47, 69;
- b) 6-ença maj tikne sar 53, 20, 45.

14. Jekh lolǎnzi (i katarìna) kidǎs 87 pendexa. E çiriklǎ xale laqe 29 pendexa. Sode pendexença maj ačhilǎs k-i lolǎnzi?

15. Anθ-jekh auturenqo ačhavipen si 18 vurdona thaj 12 autobùzurǎ. Sode vurdona thaj autobùzurǎ si kothe anθ-o ačhavipen?

16. Anθ-jekh ekskùrsia telǎrde 23 çhave anθar i II-to klàsa A, 6-ença maj cìra anθar i II-to klàsa B thaj 8-ença maj but anθar i II-to klàsa C. Sode çhave anθar savorre klàse telǎrde anθ-i ekskùrsia?

25. Evaluàcia



1. Ginav!

$52 + 19 =$

$50 - 27 =$

$23 + 7 + 27 =$

$27 + 17 - 19 =$

$9 + 38 =$

$72 - 18 =$

$91 - 8 - 9 =$

$90 - 38 - 27 =$

2. Anθar e ginenqi sùma 12, 13 thaj 14 ankalav e ginenqi diferènca 30 thaj 5!

3. O anglutno tèrmèno jekhe kideripnasqo si 19, thaj o dujto tèrmèno si 11-ença maj baro sar o anglutno. Savi si e ginenqi sùma?

4. E tiknederipnasqo gin si 90, haj o tiknederno si 79-ença maj tikno. Savi si e ginenqi diferènca?

5. Arakh e gina save nana-i!

$2 \square + \square 9 = 70$

$9 \square - \square 7 = 19$

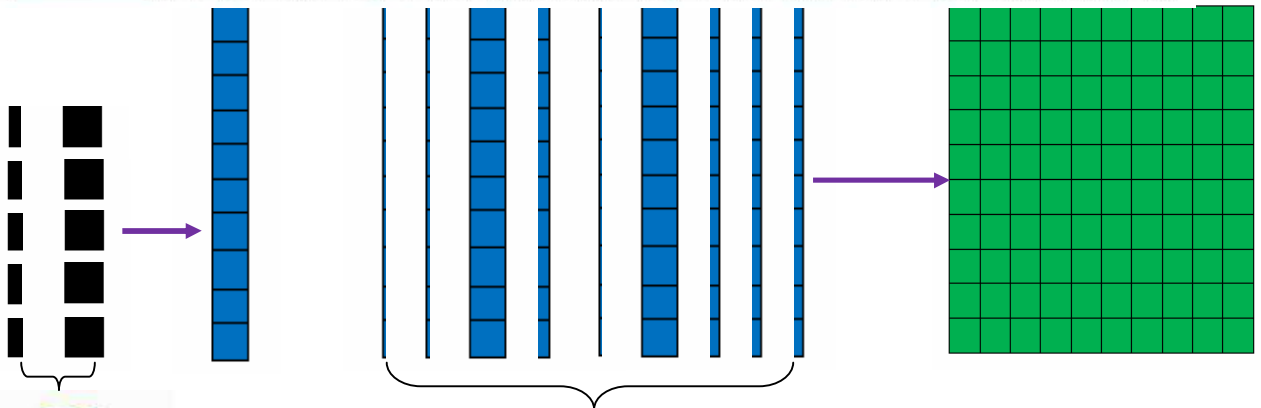
6. Sode siklövne si anθ-jekh klàsa, kana 12 anθar lenθe si çhave, thaj çhaja si 9-ença maj but sar çhave?

7. I Adriàna votanàrdàs anθ-i bar 29 tuliphanda thaj 14-ença maj but krìnură. Sode luludă votanàrdàs i Adriàna anθ-o totàlo?



V. E NATURALO GINA KAΘAR 0 KAJ 1 000

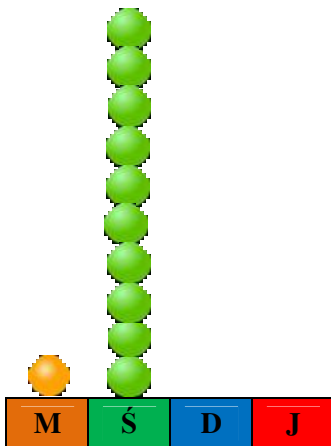
26. O formisaripen, o drabaripen thaj o xramosaripen e naturalone ginenqo kaθar 0 kaj 1 000



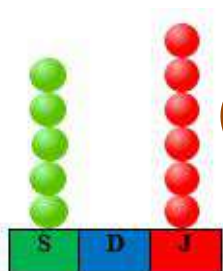
10 jekhimata
formisaren
jekh deś!



10 deśa
formisaren
jekh śel!



10 śela
formisaren
jekh mija!



Xramosarav: 506;
Drabarav: pan3
śela thaj śov!

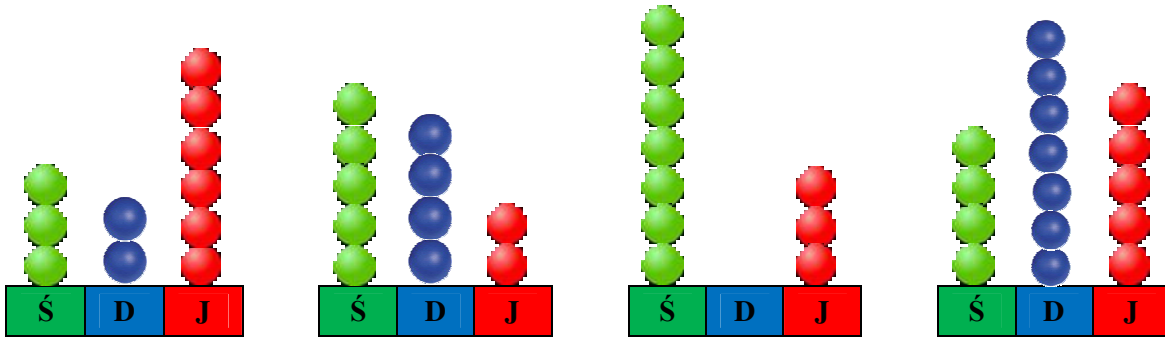


Xramosarav: 283;
Drabarav: duj
śela oxtovardeś
thaj trin!





1. Xramosar e gina reprezentisarde anθ-e ćitre, palal kodoja laćhār len barārikanes!



2. Drabar, palal kodoja xramosar e gina, anθ-e dine tabèlurā!

a) 213, 850, 703, 500.

b) 209, 486, 196, 57.

a)		
Š	D	J

b)		
Š	D	J

3. Dikh o tabèlo! Xramosar e gina

save si len e jekhimatenqı cıfra 3 thaj 8, thaj e dešenqı cıfra 5 thaj 2!

300	301	302	303	304	305	306	307	308	309
310	311	312	313	314	315	316	317	318	319
320	321	322	323	324	325	326	327	328	329
330	331	332	333	334	335	336	337	338	339
340	341	342	343	344	345	346	347	348	349

4. Xramosar cifrenća e gina: śtar śela thaj enā, oxto śela panzvardeś thaj jekh, trin śela biś thaj śov, śov śela śtarvardeś thaj duj!

5. Xramosar savorre naturālo gina anθar trin cıfre, save śaj te aven formisarde, labāringoj nūmaj jekhvar e ćifre 2, 5 thaj 8!

6. Xramosar śtar naturālo gina save thavden jekh palal averesθe, anθar lenθe jekh te avel o gin 589. Arakh savorre śajutnimata!

7. Ginav anθar 10 anθ-e 10, kaθar o gin 260 k-o gin 350, anθar 100 anθ-e 100, kaθar o gin 100 k-o gin 850!

27. I komparàcia, o lacharipen thaj o rotalipen



1. Savi čhaj drabardās maj but?



Me drabardem
135 patrină!

Me drabardem
52 patrină!

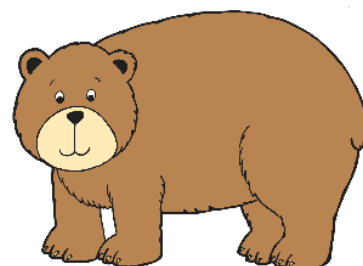


Te inkeras godăthe!

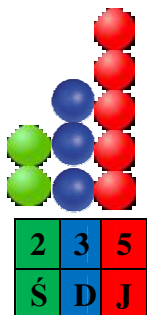
Maškar duj naturàlo gina si maj baro kodova savo si xramosardo maj bute cifrenča.

Kadjal: $135 > 52$

2. E duj ričhinorre kidine mure. Savo maškar lenthe kidās maj but mure?



Reprezentisaras e duj gina p-e ginavimata, palal kodoja keras lenqi komparàcia.

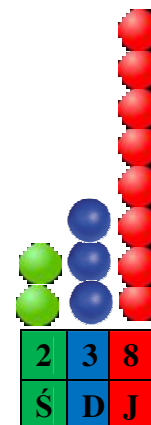


Keras i komparàcia e cifrenqi, save si len sakodova òrdino:

2 šela = 2 šela

3 deša = 3 deša

5 jekhimata < 8 jekhimata



O gin 235 si les e jekhimatenqi cifra maj tikni, deč si maj tikno!

$235 < 238$



1. Ker e zutenqi komparàcia thaj xramosar o trebutno sëmno: $<$, $>$, $=$!

58 thaj 274

724 thaj 598

837 thaj 891

506 thaj 506

2. Xramosar trin naturàlo gina maj bare sar 638, tha` maj tikne sar 705!

3. Xramosar anθ-i barārikani òrdina e gina!

a) 242, 809, 68, 146, 637;

b) 527, 912, 76, 256, 387.

4. Xramosar e gina 118, 862, 354, 247, 420, 655!

a) Cirden jekh bodli lìnìa telal e gina maj bare sar 400!

b) Cirden jekh loli lìnìa telal e gina maj tikne sar 500!

c) Telal save gina i lìnìa si cirdini vi bodli vi loli?

5. Xramosar savorre gina maškar e gina 0 thaj 1000, save:

a) Si len p-e jekhimatenqo thaj e šelānqo than i cìfra 7;

b) Si len i palutni cìfra 4 thaj i anglipalutni cìfra 3.

6. Savo si o maj baro naturàlo gin trine barrabarre cifrença? Tha` o maj tikno kasavo gin?

7. Xramosar e propozìcie thaj thon palal lenθe Ć (Ćáćo) vaj B (Bićáćo)!

$$648 < 258$$

$$396 = 369$$

$$93 < 321$$

$$458 > 178$$

$$537 < 470$$

$$808 > 908$$

8. Arakh i règula! Xramosar kadala panz trebutne gina!

95, 100, 105

654, 656, 658

922, 932, 942,

28. Palem dikhpen

1. Drabar e gina anθ-i barārikani òrdina, palal kodoja anθ-i tiknederikani òrdina!
Xramosar save si e perutne ginenqe 789 thaj 800!

783	784	785	786	787
789	790	791	792	793
794	795	796	797	798
799	800	801	802	803

2. Ginav:
a) anθar 5 anθ-e 5, kaθar o gin 470 ka-o 540!
b) anθar 10 anθ-e 10, kaθar o gin 620 ka-o 800!

3. Xramosar e gina save si maškar:
208 thaj 221 vi 528 thaj 536!

4. So gin formisarel p-o ginavipen sarkon čhavo?

*Thovav 6 bìle p-e šelānqo than,
3 bìle p-e dešenqo than thaj
8 bìle p-e jekhimatenqo than!*



*Thovav 4 bìle p-e šelānqo than,
1 bìla p-e dešenqo than thaj
5 bìle p-e jekhimatenqo than!*



5. Ker e zutenqi komparàcia labāringoj e sèmnurā: >, =, <!

428 ... 702

123 ... 100

584 ... 309

324 ... 423

957 ... 957

613 ... 963

580 ... 580

254 ... 874

820 ... 387



29. Evaluàcia



1. Ker i relàcia maškar e kasète!

254

600

86

813

oxtovardeš thaj šov

oxto šela thaj dešutrin

duj šela panzvardeš thaj štar

šov šela

2. Xramosar trin gina maj bare sar o gin 539, inkerindoj sa kodola cifre vaš e šelânqo thaj e jekhimatenqo òrdino!

3. Xramosar anθ-i barārikani òrdina e gina: 524, 128, 309, 874, 965, 254!

4. Ker e zutenqi komparàcia thaj xramosaren e trebutne sèmnurà: <, =, >!

583 ... 286

208 ... 208

561 ... 967

5. Den pen e gina: 402, 392, 423, 404, 405, 411, 414, 408, 409.

a) Xramosar e gina save si maj paše karing o gin 400 sar karing o gin 410!

b) Xramosar e gina save si maj paše karing o gin 410 sar karing o gin 400!

6. Anθ-jekh autobùzo si 60 thana, thaj anθ-jekh aviðno si 300 thana. Kaj si maj but thana? Sodença?

7. Le Samiros si les 482 lèvurà, thaj le Aleksos 387 lèvurà. Kas si maj but love? Sodença?

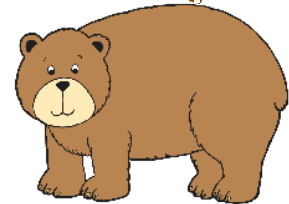
**VI. O KIDERIPEN THAJ O TIKNERIPEN E NATURALONE GINENQO
KAΘAR 0 KAJ 1000**

**30. O kideripen e naturalone ginenqo kerde anθar Ś, D, J,
(binakhindoj o òrdino)**

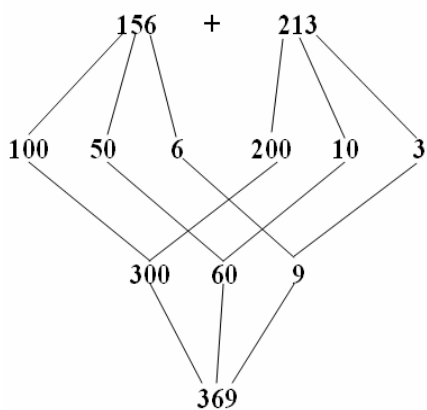


Me kidem 156 mùre!

Me kidem 213 mùre!



Sode mùre kide khethanes e duj ričhinorre?



$$156 + 213 = 100 + 200 + 50 + 10 + 6 + 3 =$$

$$300 + 30 + 6 = 336$$

Ś	D	J	
1	5	6	+
2	1	3	
3	6	9	

Vaś e prèmiură dine e participanturenqe ka-jekh konkùrso, kinde pen 243 poezienqe lila thaj 351 paramičênqe lila.

Sode lila kinde pen anθ-o totàlo?

$$243 + 351 = ?$$

Xulavas e gina anθ-e: śela, deśa thaj jekhimata:



$$243 + 351 = 200 + 300 + 40 + 50 + 3 + 1$$

$$= 500 + 90 + 4$$

$$= 594$$

Ś	D	J	
2	4	3	+
3	5	1	
5	9	4	



1. Ginav e butá!

$145 + 232 =$

$234 + 565 =$

$327 + 451 =$

$435 + 332 =$

2. Ginav, thovindoj e gina jekh telal aver!

$230 + 527$

$563 + 216$

$854 + 123$

$625 + 271$

$538 + 431$

$495 + 404$

$287 + 612$

$846 + 152$

3. Arakh e ginenqi sùma!

$154 \text{ thaj } 243$

$481 \text{ thaj } 316$

$564 \text{ thaj } 231$

4. Arakh e gina 254-ença maj bare sar: 324, 515, 743!

5. Jekh kidäripnasqo tèrmeno si 206, thaj o dujto tèrmeno si 142-ença maj baro. Arakh e ginenqi sùma!

6. O Florìn thaj o Dan votanärde anθ-e školaqi bar 132 narcise thaj 165 tuliphanda. Sode luludă votanärde savorrença e duj çhave?

7. Ka-jekh fotbalosqo khelipen, anθ-o jekhto dïves bikinde pen 453 bilëtură, thaj anθ-o dujto dïves bikinde pen 425 bilëtură. Sode bilëtură bikinde pen khethanes?

8. Xulaven anθ-e śela, deśa vi jekhimata e gina: 489, 758, 687, 278!

9. Ka-jekh mariklin kerde pen 156 śinga, 122 gongrova akhorença vi 211 mariklă. Sode prodùsură sas kerde anθ-o totàlo k-i mariklin?

10. Jekh školaqi festivitetenqi sàla sas sukarărđi 123-e lole balonurănça, 125-e bodle balonurănça thaj 121-e zelenone balonurănça. Sode balònură labärde pen anθ-o totàlo vaś e salaqo sukarăripen?

31. O tiknederipen e naturalone ginenço kerde anθar Ś, D, J, (binakhindoĵ o òrdino)

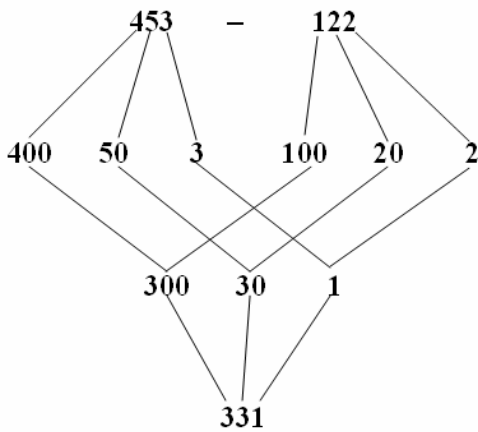


Me kidem
453
pendexa!

Me kidem
122-ença maj
cira!



Sode pendexa kidās i duĵto lolānzi?



$$\begin{aligned}
 453 - 122 &= 400 + 50 + 3 - 100 + 20 + 2 \\
 &= 300 + 30 + 1 \\
 &= 331
 \end{aligned}$$

Ka-jekh magazīno bikiinde pen anθ-o jekhtho dīves 428 manre, haj anθ-o duĵto dīves 125-ença maj cira.

Sode manre bikiinde pen anθ-o duĵto dīves?

$$428 - 125 = ?$$



Xulavas e gina anθ-e: śela, deśa thaj jekhimata:

Ś	D	J	
4	2	8	-
1	2	5	
3	0	3	



$$\begin{aligned}
 428 - 125 &= 400 + 20 + 8 - 100 + 20 + 5 \\
 &= 300 + 0 + 3 \\
 &= 303
 \end{aligned}$$



1. Ginav!

$258 - 136$

$897 - 543$

$786 - 472$

$584 - 352$

$648 - 325$

$688 - 202$

$593 - 262$

$457 - 243$

2. Ginav, thovindoj e gina jekh telal aver!

$482 - 352$

$758 - 644$

$874 - 561$

$558 - 247$

$679 - 124$

$356 - 245$

$728 - 405$

$675 - 625$

3. Sodeça si maj baro o gin 241 sar e gina: 459, 687, 397, 875?

4. Anθar e ginenqi sùma 462 thaj 235, ankalav o gin 145!

5. Savo anθar e gina 526 thaj 203 si maj baro thaj sodeça?

6. I Marià drabardàs anθar jekh lil 125 patrină. I Vèra drabardàs 102-ença maj cira patrină. Sode patrină drabardàs i Vèra?

7. Ka-jekh luludălin bikinde pen texarinăθe 457 luludă, thaj palal o mezmèri 235 maj cira luludănça. Sode luludă bikinde pen palal o mezmèri?

8. Anθ-jekh trèno sasas 458 phirutne. Ka-o anglutno ačhavipen dine pen tele 125 phirutne, haj ka-o dujto ačhavipen maj dine pen tele aver 102 phirutne. Sode phirutne maj ačhile anθ-o trèno?

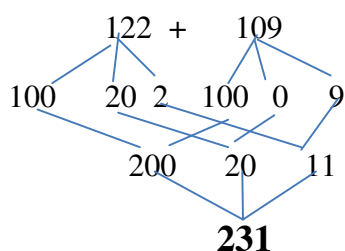
9. Jekhe bakrăres si les 258 parne bakră, thaj 124-ença maj cira si les e kale bakră. Sode kale bakră si le bakrăres?

10. Le Sorinos si les anθ-e pesqi kolèkcia 258 tìmbrură. Pesqe phrales si les 104-ença maj cira tìmbrură. Sode tìmbrură si pesqe phrales? Sode tìmbrură si len khethanes?

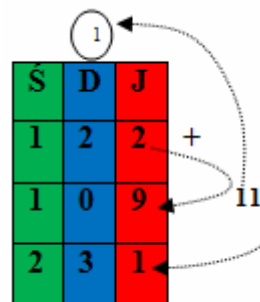
32. O kideripen a e naturalone ginenqo kaθar 0 kaj 1 000 (nakhindoj o òrdino)



Sode morkoja xalās o dujto šošoj?



$$\begin{aligned}
 122 + 109 &= 100 + 20 + 2 + 100 + 0 + 9 \\
 &= 200 + 20 + 11 \\
 &= 231
 \end{aligned}$$



Pa-jekh talo si 258 panēsqe gàlbena/žilta krìnurā thaj 126-ença maj cira panēsqe parne krìnurā. Sode panēsqe parne krìnurā si p-o talo?

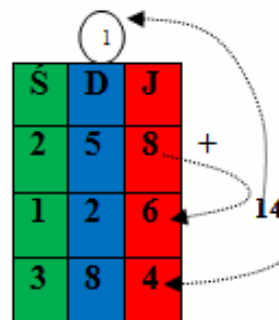
$$258 + 126 = ?$$



Xulavas e gina anθ-e: šela, deša thaj jekhimata:



$$\begin{aligned}
 258 + 126 &= 200 + 100 + 50 + 20 + 8 + 6 \\
 &= 300 + 70 + 14 \\
 &= 384
 \end{aligned}$$





1. Ginav, thovindoj e gina jekh telal aver!

$258 + 293$

$486 + 235$

$163 + 478$

$547 + 263$

$154 + 537$

$284 + 136$

$275 + 182$

$315 + 579$

2. Arakh e ginenqi sùma!

$354 \text{ thaj } 584$

$547 \text{ thaj } 235$

$384 \text{ thaj } 452$

$638 \text{ thaj } 149$

3. Ginav xulavindoj e gina!

$186 + 253$

$538 + 371$

$612 + 298$

4. Arakh o gin 400-ença maj bare sar: 186, 549, 387, 457!

5. Arakh o molipen svakone rokiaqo, ginavindoj i sùma e ginenqi xramosarde svakone rokiaqe! Thov anθ-i barārikani òrdina e arakhle rezultaturā!



6. Jekh tèrmeno si 428, thaj o dujto tèrmeno si 187-ença maj baro. Arakh e ginenqi sùma!

7. Ka-jekh kioskò ande pen 468 žurnàlurā thaj 147 riviste. Sode žurnàlurā vi riviste ande pen anθ-o totàlo?

8. Anθ-jekh bibliotèka si 589 lila paramicēnça thaj 272 lila poeziença. Sode lila si khethanes anθ-i bibliotèka?

9. Anθ-jekh bar thovdine anθ-i phuv 576 šaxa vi 285 icalā. Sode šaxa thaj icalā votanārde pen anθ-o totàlo?

**33. O tiknederipen e naturalone ginenqo kaθar 0 k-i 1 000
(nakhindoj o òrdino)**



Savi birovlī kidās maj but luludānqo prāxo?

Š	D	J
3	5	8
1	7	3
1	8	5

→ 3. 2 šela – 1 šel = 1 šel

→ 2. 15 deša – 7 deša = 8 deša

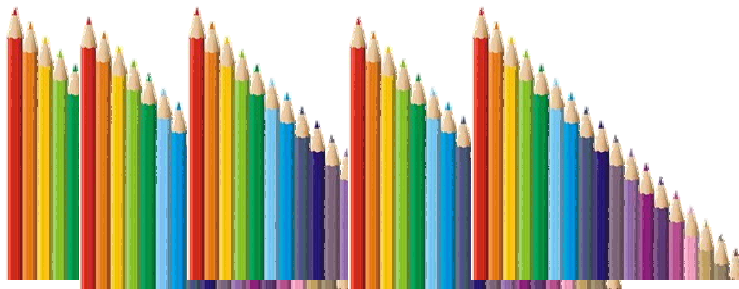
→ 1. 8 jekhimata – 3 jekhimata = 5 jekhimata

10

Š	D	J
3	5	8
1	7	3
1	8	5

Le Alinos si les 251 angarne, thaj le Valentinis 12-ença maj cira.

Sode angarne si le Valentinis?



10

Š	D	J
2	5	1
	1	2
2	3	9

Arakh, ginavindoj!

239	240	241	242	243	244	245	246	247	248	249	250	251	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--



1. Ginav, thovindoj e gina jekh telal aver!

$328 - 154$

$854 - 638$

$647 - 284$

$759 - 572$

$745 - 463$

$496 - 327$

$521 - 207$

$623 - 451$

2. Arakh e rezultatură!

$432 - 185$

$532 - 248$

$364 - 206$

$700 - 465$

$526 - 245$

$845 - 672$

$478 - 159$

$859 - 476$

3. Arakh e gina 364-ença maj tikne sar: 687, 893, 723, 562!

4. I sùma trine ginenqi si 725. O anglutno gin si 247, haj o dujto gin si 370. Arakh o trinto tèrmeno!

5. Anθ-jekh veś votanārde pen 897 rukha. 258 anθar lenθe si pìnură, 467 si suvăle rukha, thaj kolaver si fălurina. Sode fălurina sas votanārde?

6. Ka-jekh sivlin kerde pen 854 murśikane kostùmură thaj 276-ença maj cira zuvlikane kostùmură. Kazom zuvlikane kostùmură sas kerde?

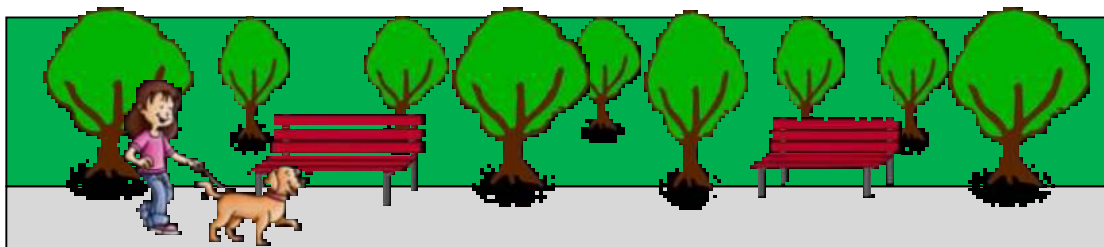
7. I sùma duje ginenqi si 541. Kana jekh anθar e gina si 189, savo si o dujto gin?

8. Anθ-jekh moxton si 259 lole phabaja vi 75-ença maj cira zèlena phabaja. Sode zèlena phabaja si anθ-o moxton?

9. Jekh historiaqo muzèvo sas dikhlo anθ-jekh dīves 354-e zenenθar, thaj anθ-o dujto dīves 174-e zenenθar maj cira. Sode zene dikhle o muzèvo anθ-o dujto dīves?

10. Le papos si les votanārde anθ-i bar 254 lolênqe thavorre, thaj icalênqe 150-ença thavorre maj cira. Sode icalênqe thavorre votanărdăs o păpus?

34. Kideripnasqe thaj tiknederipnasqe problème e naturalone ginença kaθar 0 k-i 1 000







1. E mèmbrurà anθar o grùpo *E naturaqe amala*, ginaven anθ-o pàrko e rukha save grizisaren len. E line dàte xramosarde len anθ-o tabèlo.

Xramosar:

- Savorre rukhenqe anava anθ-i tiknederikani òrdina palal lenqo gin!
- E rukhenqe anava le savenqo gin si maškar 300 thaj 400!
- Sodeça si maj cira pìnurà sar suvåle rukha!
- E rukhenqo gin, savo si maj paše karing 700!

Rukha	Gin
Fålurina	896
Ćamlina	750
Stežàrurà	657
Suvåle rukha	483
Pìnurà	351

2. Anθ-o tabèlo si e insektenqo gin, save sas dikhle ka-o muzèvo.

			
48	128	169	58

- Sodeça si maj baro e zundrenqo/e bumbarakonqo gin sar e paparudenqo? Tha` sar e boròrrënqo gin?
 - Sodeça si maj tikno e paparudenqo gin sar e birovlënqo gin? Tha` sar e boròrrënqo gin?
3. Jekh piràri kerdàs 265 pirà. Kabor pirà si te maj kerel, kaj te avel les 500 pirà?

4. O Pètre drabardās anθ-o jekh to dīves 86 patrinā anθar jekh lil, anθ-o dujto dīves 105 patrinā, thaj anθ-o trinto dīves sode anθ-e anglutne duj dīvesa khethanes. Kabor patrinā drabardās o Petre anθ-e savorre trin dīvesa?
5. I Alina kidās 175 rīviste. I Mariā kidās 28-ença maj but sar i Àlina. Sode rīviste kidās i Mariā? Kazom rīviste kidine khethanes e duj čhaja?

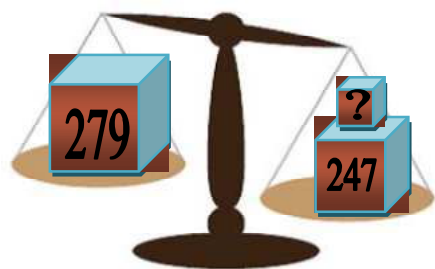


6. Le Jonelos si les 270 bile, haj le Marianos si les 125-ença maj cīra bile. Sode bile trebalas te del o Jonel le Marianosqe, kaj le Marianos te avel les 145 bile?
7. Ka-jekh bikinlin andine pen 389 štartorre thaj 487 angarne. Bikinde pen 247 štartorre thaj 278 de angarne. Sode štartorre thaj angarne na bikinde pen?
8. Ka-jekh konkūrso o Dan lias 624 pūnkturā, i Mariāna 418 pūnkturā, haj o Valentīn 126 pūnkturānça maj cīra sar o Dan. Kon lias maj but pūnkturā? Sode pūnkturença lias maj but o Valentīn sar i Mariāna?
9. Anθ-jekh ekskūrsia gele 358 siklōvne. Anθar lenθe 189 sasas čhave, haj e kolaver sas čhaja. Sode čhaja telārde anθ-i ekskūrsia?
10. Le Marinos si les anθ-e pesqi kolèkcia 126 dikhlorre. Pesqe phrales si les 58-ença maj but dikhlorre. Sode dikhlorre si le Marinosqe phrales? Sode dikhlorre si khethanes le duje phralen?

11. Anθ-e forosqi bibliotèka si 893 poeziaqe lila. 276 anθar lenθe si xramosarde poeturenθar anθar aver thema, thaj kolaver si xramosarde poeturenθar anθar i Rumūnia. Kozom poezienqe lila si xramosarde poeturenθar anθar i Rumūnia?



35. O arakhipen e biprinzarde termenosqo



$$279 = 247 + a$$

$$a = 279 - 247$$

$$a = 32$$



*Sode
reprezentisarel
o tikno kùbo?*

1. O Krìsti rezolvisardàs pesqì kheresqì butì ka-i matemàtika, tha` i mùca ÷hordàs o taxtaj e panëça opral lesqo štartorro. Vastden les te arakhel e gina save nana-i!



$$348 + a = 382$$

$$a = 348 - ?$$

$$a =$$

$$547 - b = 188$$

$$b = 547 - ?$$

$$b =$$

$$c - 347 = 128$$

$$c = 347 + ?$$

$$c =$$

$$d + 359 = 684$$

$$d = 684 - ?$$

$$d =$$

2. Arakh e biprinzarde gina!

$$287 + a = 563$$

$$a + 129 = 574$$

$$a - 314 = 185$$

$$c + 637 = 824$$

3. Anθ-o jekhtho kurko, e siklövne anθar i II-to klàsa kerde varesode ÷itre. Anθ-o dujto kurko, kerde 96 ÷itre. Sode ÷itre kerde anθ-o jekhtho kurko kana von kerde anθ-e kadala duj kurke 152 ÷itre?
4. Godìsarav man jekhe ginesθe. Anθar lesθe ankalavav 590 thaj del man 224. Save ginesθe godìsardem man?

36. Palemdikhipen

600	601	602	603	604	605	606	607	608	609
610	611	612	613	614	615	616	617	618	619
620	621	622	623	624	625	626	627	628	629
630	631	632	633	634	635	636	637	638	639
640	641	642	643	644	645	646	647	648	649
650	651	652	653	654	655	656	657	658	659
660	661	662	663	664	665	666	667	668	669
670	671	672	673	674	675	676	677	678	679
680	681	682	683	684	685	686	687	688	689
690	691	692	693	694	695	696	697	698	699

1. Labărindoj e gina anθar o opralutno tabèlo:

- ginav anθar 3 anθ-e 3, kaθar o 634 k-o 646!
- ginav anθar 5 anθ-e 5, kaθar o 650 k-o 690!
- xramosar e gina save si len:
 - a) e jekhimatenqi cìfra 1!
 - b) e jekhimatenqi cìfra 2!
 - c) e jekhimatenqi cìfra 8!
 - d) e dešenqi cìfra 5!
 - e) e dešenqi cìfra 7!

2. Xramosar savorre gina save šaj te aven barrabarr e 358-ença vi maj bare sar 320!

3. I sùma duje ginenqi si 567, haj jekh anθar e gina si 368. Arakh o dujto gin!

4. Ginav!

$$256 + 587 =$$

$$425 + 857 =$$

$$632 + 185 =$$

$$792 - 548 =$$

$$954 - 371 =$$

$$826 - 473 =$$

$$628 - 454 =$$

$$587 - 328 =$$

$$456 - 128 =$$

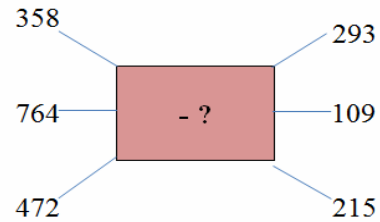
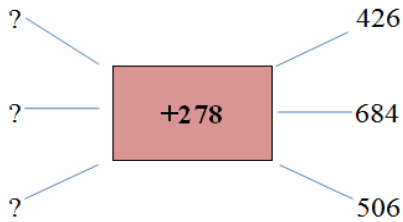
$$387 + 223 =$$

$$541 + 365 =$$

$$453 + 108 =$$

5. Xramosar duj gina save si e maj paše karing o gin 536!
6. Anθ-i savi òrdina si thovdine e gina: 596, 387, 268, 87, 16, 59, 47?
- anθ-i barārikani òrdina;
 - anθ-i tiknederikani òrdina;
 - palal nijekh òrdina.

7. Arakh e gina!



8. Ginav thaj pher o tabèlo!

a	325	472		596
b	282		521	
a + b		686	847	900

a	325		867	
b	105	283		492
a - b		504	284	122

9. E tiknederipnasqo gin si 363, thaj o tiknederno si 128. Savi si i diferènca?
10. Pa-jekh umal xan éar 257 grasta thaj 108-ença maj cıra bakrà. Sode zivutre xan éar p-i umal?
11. Ka-jekh marrlin lujne kerde pen 567 marre. Marcine kerde pen 127-ença maj cıra sar lujne, thaj tetradíne, 210-ença maj but sar marcine. Sode marre sas kerde marcine? Tha` tetradíne?

12. Pher e trebutne semnoça: >, =, <!

$528 \dots 287$

$160 \dots 784$

$203 \dots 203$

$514 \dots 756$

$842 \dots 824$

$459 \dots 361$

13. Alosar o éaço rezultàto!

$287 + 369$

$274 \quad 656 \quad 526$

$851 - 344$

$608 \quad 469 \quad 507$



37. Evaluàcia



1. Cirde jekh linia telal e gina, save si len i cìfra 2 pa e dešenqo than!

220

408

368

827

523

720

2. Xramosar cifrença e gina:

star śela panzvardeś thaj duj, śov śela enăvardeś thaj star, oxto śela biś thaj efa

3. Ker e ginenqi komparàcia thaj xramosar o trebutno sëmno!

589 ... 238

208 ... 634

509 ... 905

428 ... 428

4. Ginav!

$258 + 124 =$

$368 + 247 =$

$524 + 284 =$

$986 - 289 =$

$864 - 582 =$

$647 - 356 =$

$428 + 265 =$

$509 + 224 =$

$741 + 186 =$

$592 - 357 =$

$753 - 261 =$

$338 - 184 =$

5. Arakh o biprinzardo gin!

$524 + a = 861$

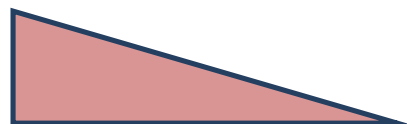
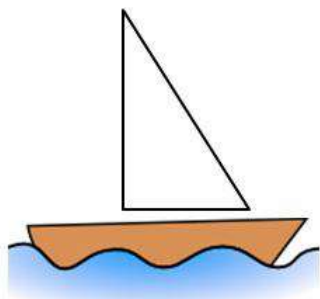
$x - 287 = 357$

$c + 332 = 681$

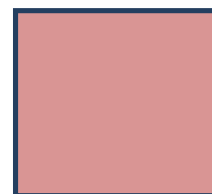
6. I Daniëla drabardăs 128 patrină anθar jekh lil paramicënça. I Marià drabardă 206-ença patrină maj but. Sode patrină drabardăs i Marià? Sode patrină drabarde khethanes le duj čhaja?

VII. GEOMETRIKANE INTUITIVÒ ELEMÈNTURĂ

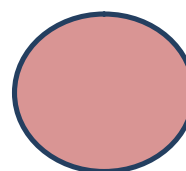
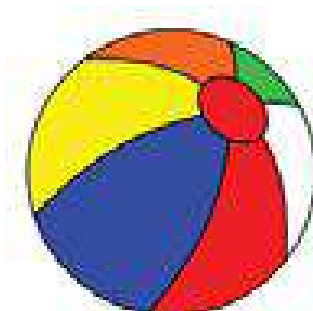
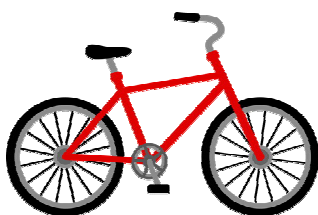
38. Geometrikane fòrme



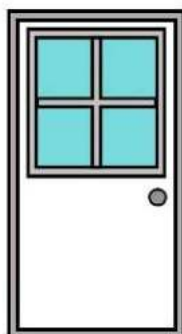
Trinrigalo
(triànglo)



štarigalo



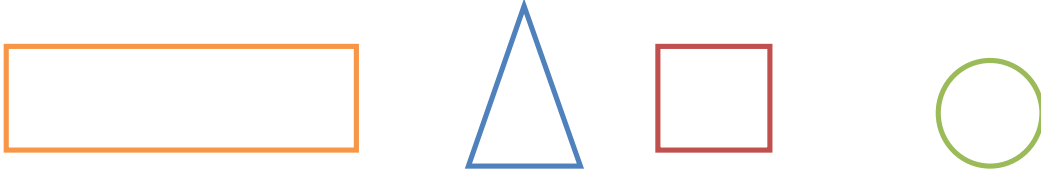
truj



Dreptùngio
(vortarigalo/vortiglo)



1. Anavăr kadala fòrme!



2. Sode triànglurǎ si anθ-e kadala cítre?

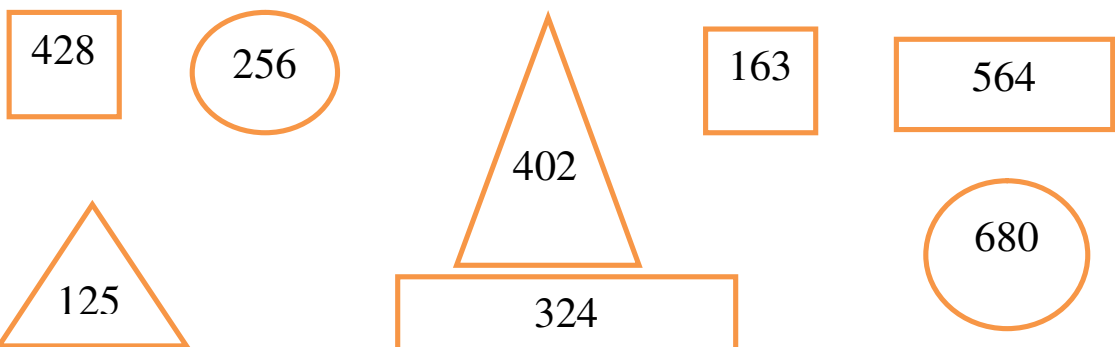


3. Sode starigale si anθ-e kadala cítre?

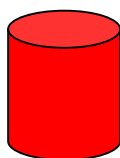
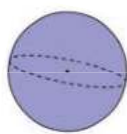
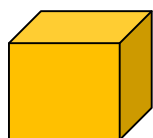


4. Kaj te kerel jekh cítro, o Marcèl çhindǎs 16 triànglurǎ, 8-ença maj but starigale thaj truja sode si e starigale thaj e triànglurǎ khethanes. Sode geometrikane fòrme çhindǎs o Marcèl?

5. Arakh e ginenqi sùma anθar e sakadala geometrikane fòrme!



39. Geometrikane kòrpură



KÙBO

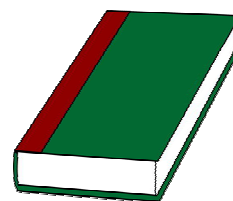
SFÈRA

CILÌNDRO

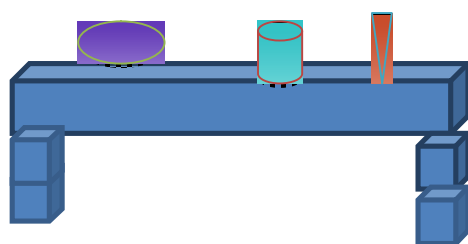
KÒNO

KUBOÌDO

Phen save geometrikane korpoça miazol svàko anθar e telutne bută?



Dikh o telutno ćitro! Ginav e labārde geometrikane fòrme!



Kùbo.....

Sfèra.....

Kòno.....

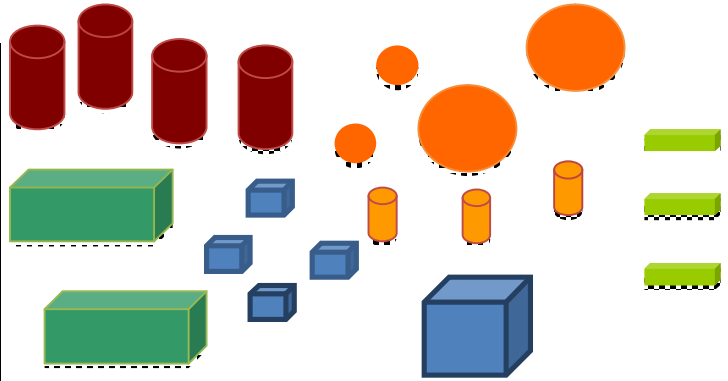
Cilìndro.....

Kuboìdo.....



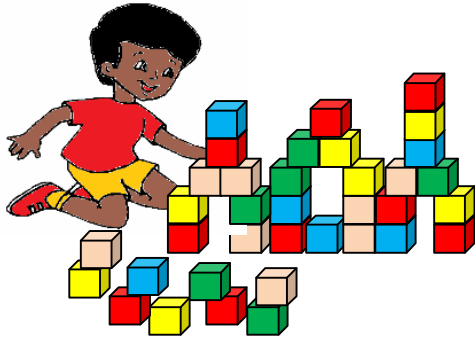
1. Gënav e geometrikane kòrpurá thaj pheren o tabèlo!

geomètrikano kòrpo	baro	tikno
Kùbo		
Sfèra		
Cilindro		
Kuboïdo		

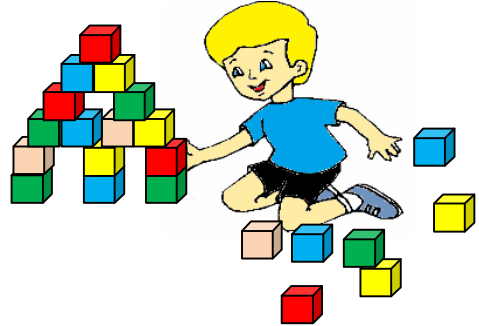


2. O Dan thaj o Alìn vazden filatíná anθar kùburá.

O DAN



O ALÌN



1.Sode kùburá si le Danos? Tha` le Alinos?

2.Kas si les maj but kùburá? Sodença?

3.Sode kùburá maj si trebutne le Alinosqe, kaj te avel les sa kazom kùburá sode si le Danos?



3. Ka-jekh bikinlin andine pen 247 bare kùburá, thaj tikne 109-nça maj cira. Sode kùburá andine pen anθ-o totàlo ka-o magazìno?

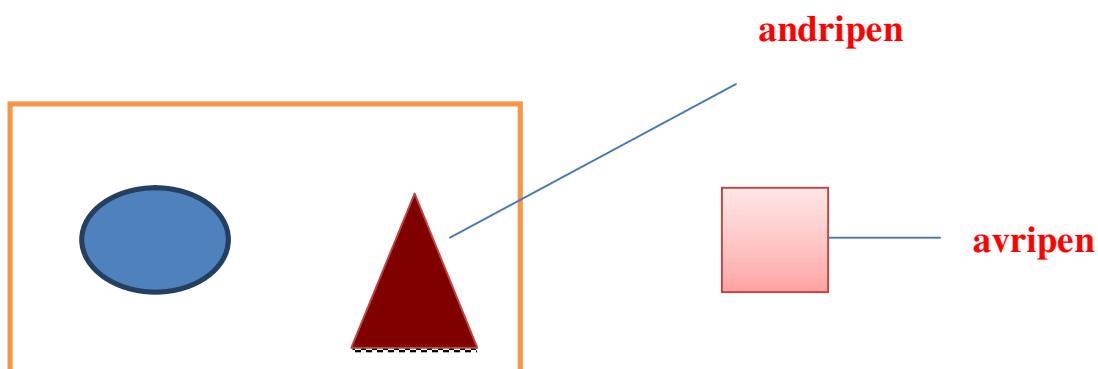
40. Andripen thaj avripen. E tabelurenqo keripen vi o drabaripen lenqo



So geometrikane fòrme reprezentisaren e luvorre?



Phen kaj arakhen pen e geometrikane fòrme, dikhindoj ka-o dreptùngio?



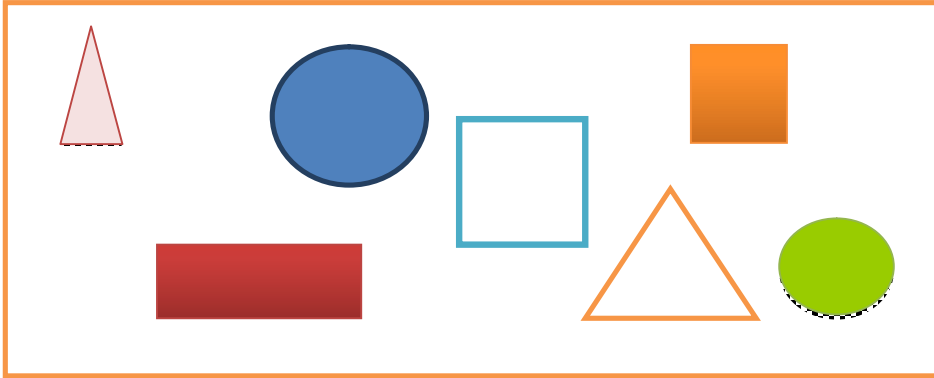
Ćitre thaj rangär e geometrikane fòrme palal e mangimata anθar o tabèlo:

Rang	□	△	▭	○
bodlo	2	2	3	4
lolo	2	3	4	5
zèleno	3	5	2	1

- *Sode lole fòrme si anθ-o totàlo?*
- *Sode starigale si anθ-o totàlo?*
- *Sode bodle dreptùngüră si anθ-o tabèlo?*

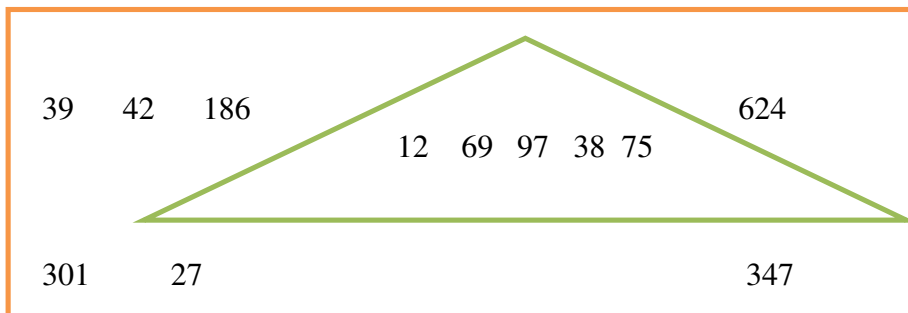


1. Anavër e geometrikane fôrme save si anθ-e dreptungiosqo andripen!

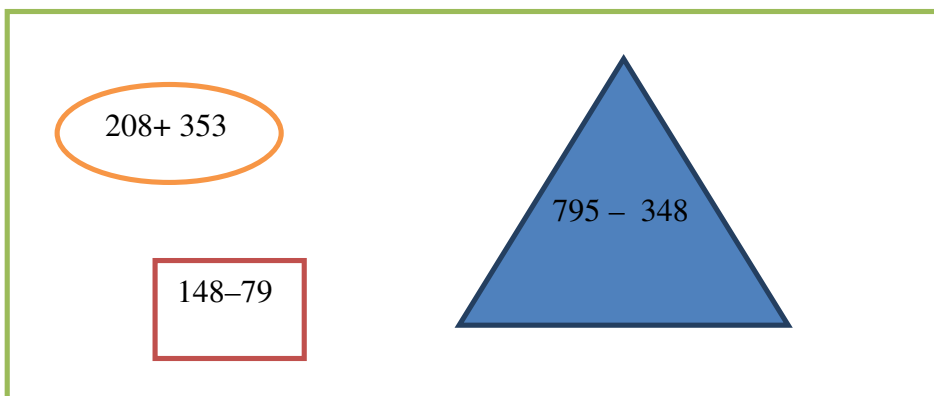


2. Ćitre duj dreptungÿrã! Anθ-o andripen e svakone dreptungiosqo ćitre po duj truja!
Sode truja ćitrisardãn?

3. Xramosar anθ-i barãrikani òrdina e gina save si anθ-e trianglosqo avripen!

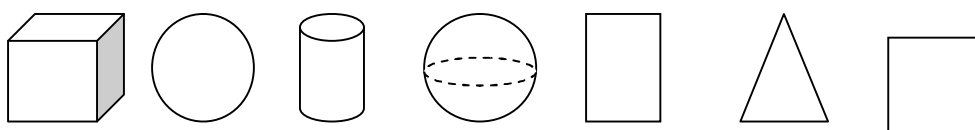


4. Ginav e butã anθar o andripen e geometrikane formenqo!

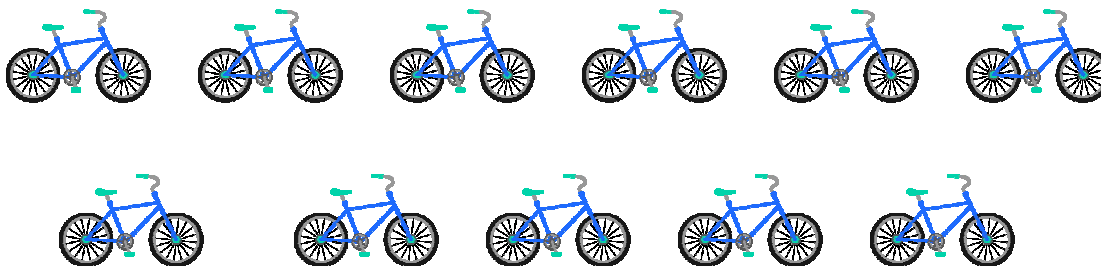


41. Palemdikhipen

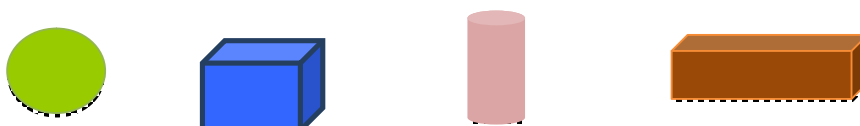
1. Ker o phandipen maškar e bută thaj e prezentisarde geometrikane fôrme!



2. Sode bicikle si? Sode rôte/boldă/truja si?



3. Ćitre thaj xramosar o anav e svakone geometrikane korposqo!



4. Ćitre:

- a) jekh truj anθ-jekh trianglosqo andripen!
- b) jekh triànglo anθ-jekh štarigalesqo andripen!
- c) jekh dreptungio anθ-jekh trujesqo avripen!

5. Dikh i røgula, thaj inger maj dur e ćitre!





42. Evaluàcia



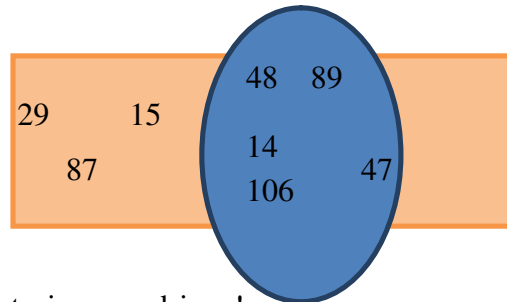
1. Xramosar save geometrikane formença miazon e cirkulaciaqe sèmnurà?



2. Anavãr e geometrikane fôrme save komponisaren o óitro!



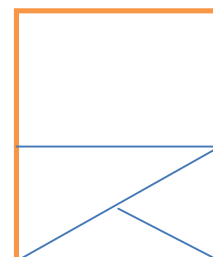
3. Xramosar:



- e gina save si an θ -e trujesqo andripen!
- e gina save na si an θ -e trujesqo andripen!
- o maj baro gin an θ ar e trujesqo avripen!

4. Dikh o óitro thaj phen:

- Sode starigale si?
- Sode dreptungŭrã si?
- Sode triànglurã si?



VIII. MAIPNASQE JEKHMATA

43. Mapimata labërindo e bistandardo etalònură



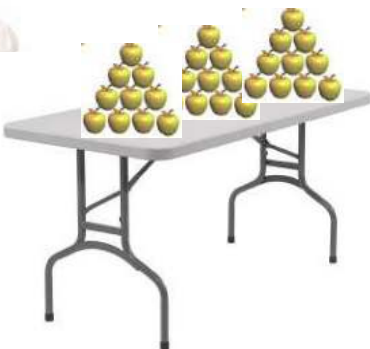
Anθ-o nakhlo vaxt, kaj te mapinen o lunžipen, o pharipen vi o volūmo, e manuša labărenas bistandardo mapipnasqe jekhimata.



Jekh *phird*, duj *phirda*,
trin *phirda*!



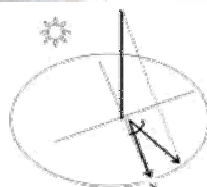
Kamav jekh *kuni*
poxtan!



Kamav duj phabajenqe
pun3a!




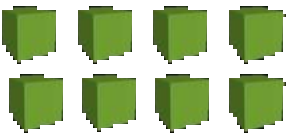


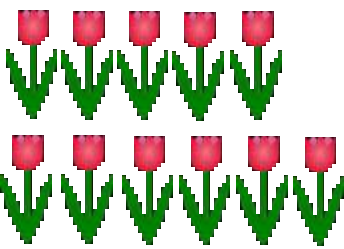











Akanaθar
bikinava nūmaj
kadala *okavaça*!





1. Mapin e bankaço lunžipen e palmaça, palal kodoja e angarneça! So dikhes?
2. Mapin e kale phalãço lunžipen e kunãça, palal kodoja e palmaça! So dikhes?
3. Mapinen tumare klasaço lunžipen e phirdeça. Thoven vaš kadava mapipen le maj uçe čhaves thaj le mai tikne čhaves anθar i klãsa, save te mapinen sakodola vaxtesθe! So dikhen?
4. Phen:

So si maj pharo?		Kaj si maj but?	
			
			
			
			

5. Kon inklilãs/inklisto p-o jekhto than?



44. E lunžimatenqo mapipen. O Mètro



E angarnenqo lunžipen si verver?

Kaj te na resen ka-e verver rezultàtură, atunc kana mapinen e butanqo lunžipen, e manusa anθar savorri/i sasti lùmja labären sakodova mapipnasqo jekhipen.

O šerutno **mapipnasqo jekhipen vaš o lunžipen si o mètro**, notisardo m.

1 mètro = 1 m

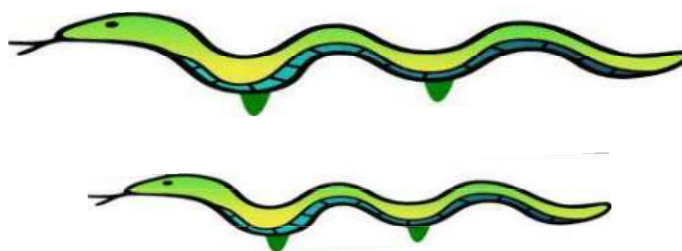
E lunžimata šaj te aven mapinde, labärindoj:



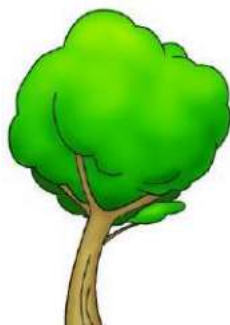
Ker e uçipnasqi komparàcia!



Ker e lunžipnasqi komparàcia!



Ker e thulipnasqi komparàcia!





- O Dòru thaj o Matèj mapinde e phirdeça o duripen kaθar e školaço udar zi ka-e klasaço andredinipen. O Dòru mapindàs 20 phirda, thaj o Matèj 30 phirda. Soθar aresle ka-e verver rezultaturã?
- Sikav savo objèkto si maj lùngo anθar e imàgine!



- Save telutne labnença/instrumenturença šaj te mapines o lunzìpen?



- Ginav!

$$175 \text{ m} + 253 \text{ m}$$

$$682 \text{ m} - 328 \text{ m}$$

$$874 \text{ m} - 526 \text{ m}$$

$$387 \text{ m} + 271 \text{ m}$$

- O Florìn telàrel svakone dīvesesθe p-o drom kajθar pesqo kher zi k-i škòla. So duripen kerel vov?



150 m

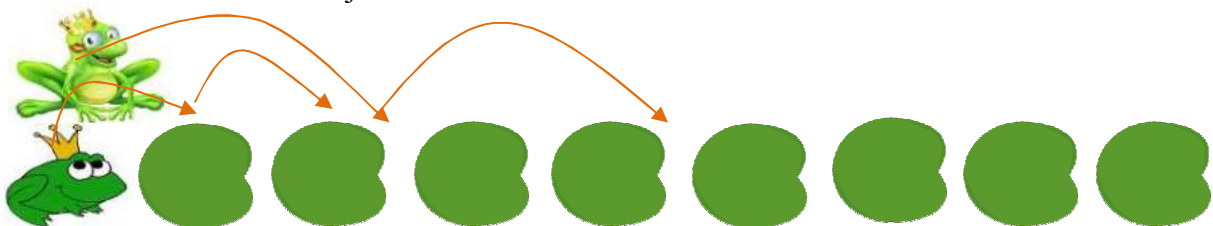


200 m



254 m

- Kon xutilàs maj bute varenθar?



45. E andereshq mapipen e çarenqo. O litro (E volumeshq mapipen)



O shrutno mapipnasqo jekhipen vas e çarenqo ander si o litro, notisardo l.

$$1 \text{ litro} = 1 \text{ l}$$

Antha savo çaro aresel maj but pani?



Ker i komparacia e çarenqo andereshq/kapaciteteshq!



Sikav o lacho labno/instrumento e saveça te mapines:

- e jakhanqe asvinörrä!
- o pani anθar i vojäga/valin!
- o pani anθar o bidöno!
- xasaipnasqo siröpo/xum!

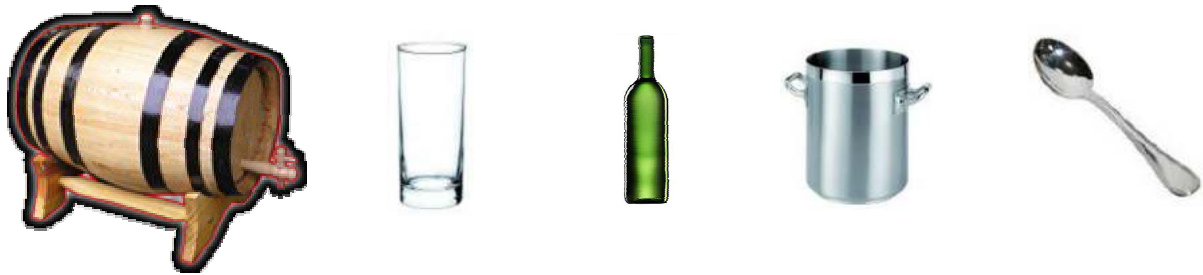




1. Save anθar kadala objèkturà sikavde kathe śaj te aven mapinde e litroça?



2. Laćhar e ćare/e vàsura anθ-i barārikani òrdina, palal lenqo ander/ kapacitèto/ volùmo!



3. Ginav!

$$458 \text{ l} + 262 \text{ l}$$

$$756 \text{ l} - 273 \text{ l}$$

$$354 \text{ l} - 128 \text{ l}$$

$$365 \text{ l} + 427 \text{ l}$$

4. I daj kidàs 5 l ulèj/zet, 10 l śut thaj 4 l mineràlo pani. Sode litrurà thavdinença kindàs i daj?

5. Anθ-jekh duruvli thovdine pen 150 l mol. Anθ-aver duruvli thovdine pen 75-e litrurença maj but. Sode litrurà mol thovdine pen anθ-e kadala duj duruvlă?

6. Anθ-jekh nataripnasqo bazino si 574 l pani. Anθ-aver bazino si 257-e litrurença maj cira. Sode litrurà pani si anθ-a kadala duj bazinură?

7. Sode thudesqe litrură aćhena anθ-o bidòno palal so pherena pen e piră?



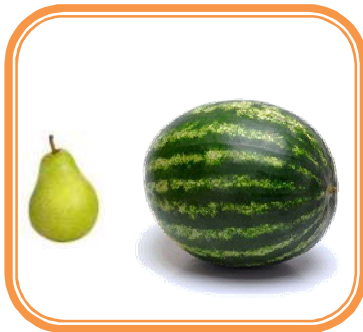
46. E pharipnasqo mapipen e korpurenqo. O kilogràmo



Dikhen e telutne kintàrã/tolã thaj phenen sosqe labãren pen von!



Save anθar e telutne kòrpurã tolãren maj but?

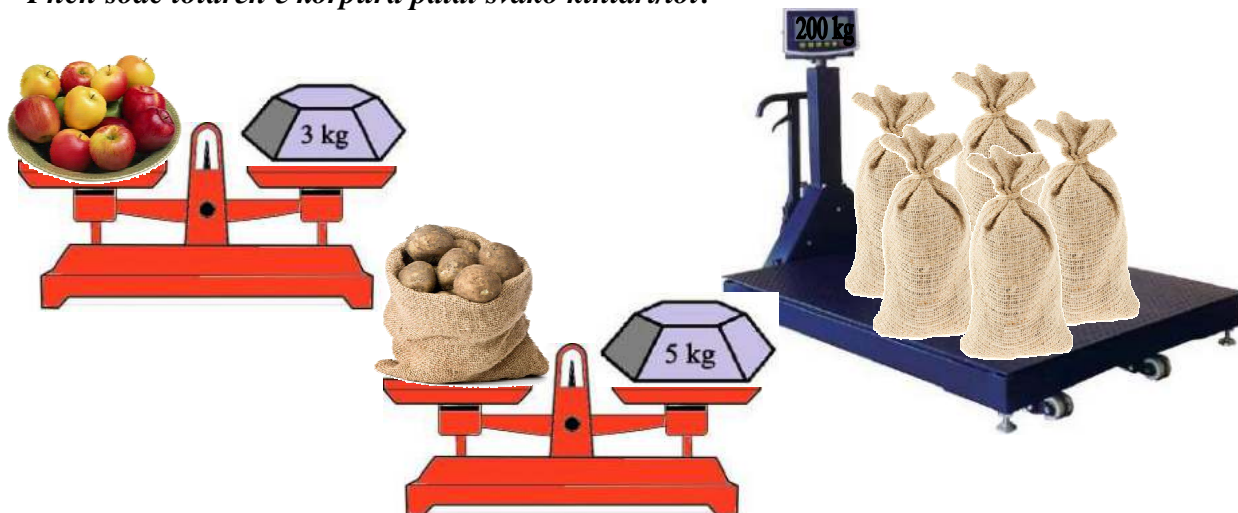


O sérutno mapipnasqo jekhipen vaś **e korpurenqo pharipen** si o **kilogràmo**, notisardo kg.

E mapipnasqo labno/ instrumènto vaś e korpurenqo pharipen si **o kintàri/ i tol.**

1 kilogràmo = 1 kg

Phen sode tolãren e kòrpurã palal svàko kintàri/tol?

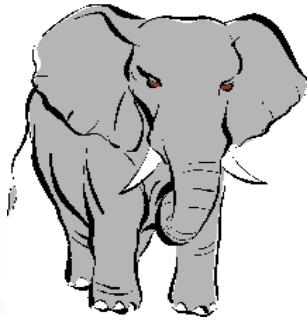




1. Save anθar kadala obijèkturǎ šaj te aven mapinde e kilogramoça?



2. Lačhar e telutne obijèkturǎ, palal o pharipen, kaθar o maj lokho ka-o maj pharo!



3. Ginav!

$$156 \text{ kg} + 647 \text{ kg}$$

$$684 \text{ kg} - 248 \text{ kg}$$

$$752 \text{ kg} - 271 \text{ kg}$$

$$312 \text{ kg} + 487 \text{ kg}$$

4. Alosar o lačo pharipen vaš e telutne kòrpurǎ!



100 kg 30 kg

1000 kg 300 kg

1 kg 10 kg

5. Jekh phabajença moxtan tolǎrel 42 kilogràmurǎ. Sode tolǎren nùmaj e phabaja, kana o ćuço moxtan tolǎrel 3 kilogràmurǎ?

6. Ka-jekh bikinlin bikinde pen 125 kilogràmurǎ zahàro thaj 248 kilogràmurǎ aro. Sode kilogràmurǎ zahàro thaj aro bikinde pen anθ-o totàlo?

7. I Korìna kidǎs anθar o veš 10 kilogràmurǎ xuxurra. I Marćèla 8-e kilogramurença maj but sar i Korìna. Sode kilogràmurǎ xuxurra kidine le duj ćhaja anθ-o totàlo?

47. E vaxtesqo mapipen. O càso



E mapipnasqo labno/ instrumènto vaś o vaxt/i vrăma si o **càso**. Vov mapinel e vaxtesqo nakhipen anθ-e òre thaj **minùtură**

1 òra = 60 minùtură

1 dīves = 24 òre

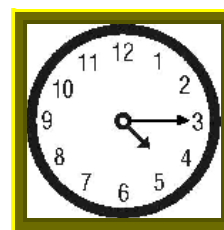
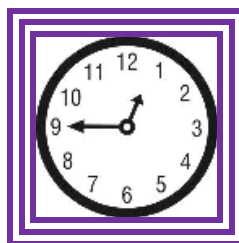
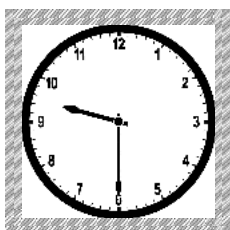
*I maj xarni suv sikavel e òre, thaj laqo anav si e **orenqo** sikavno.*



*I maj lùngo/dīlgo suv sikavel e minùtură thaj laqo anav si **minuturenqo** sikavno.*



Drabar e òre sikavde anθ-e telutne càsură!





1. Çitre panz çasosqe kadrànurà thaj ker te sikaven e òre dine maj tele!

9 thaj 45 minùturà 12 thaj paś 5 thaj 45 minùturà 14 bi 15 minuturenqo

2. So/Savi òra sikavel o càso?

a) So òra avela palal 15 minùturà? Tha` palal jekh paś çaso?

b) Kozom sas o càso maj anglal jekhe paśe çasoça?

c) Sode sikavel o càso maj anglal 45 minuturença?



3. Savi aktivitèta inkerel maj but?



4. Arakh e aktivitetenqi òrdina!



5. O Mariàn thaj o Dan astarde jekh tenisosqo khelipen k-i òra 11:00, thaj agorisarde la palal jekh òra thaj paś. Kaj savi òra agorisarde e tenisosqo khelipen?

6. E školutne òre śirden ka-i òra 8:00. I Dàna areslàs k-ì òra 7 thaj paś, thaj i Korìna k-i òra 8 thaj 15 minùturà. Kon areslàs maj sìgo thaj kon areslàs maj zabades/maj palal? Sode minuturença?

48. E vaxtesqo mapipen. O kalendàri



2 0 1 4																												
Januàra							Februàra							Trintonaj							Šartonaj							
L	M	T	Ž	P	S	K	L	M	T	Ž	P	S	K	L	M	T	Ž	P	S	K	L	M	T	Ž	P	S	K	
		1	2	3	4	5						1	2						1	2			1	2	3	4	5	6
6	7	8	9	10	11	12	3	4	5	6	7	8	9	3	4	5	6	7	8	9	7	8	9	10	11	12	13	
13	14	15	16	17	18	19	10	11	12	13	14	15	16	10	11	12	13	14	15	16	14	15	16	17	18	19	20	
20	21	22	23	24	25	26	17	18	19	20	21	22	23	17	18	19	20	21	22	23	21	22	23	24	25	26	27	
27	28	29	30	31			24	25	26	27	28			24	25	26	27	28	29	30	28	29	30					
														31														
Maj							Jùnio							Jùlio							Àgusto							
L	M	T	Ž	P	S	K	L	M	T	Ž	P	S	K	L	M	T	Ž	P	S	K	L	M	T	Ž	P	S	K	
			1	2	3	4						1			1	2	3	4	5	6				1	2	3		
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10	
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17	
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24	
26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31				25	26	27	28	29	30	31	
							30																					
Septèmбра							Oktòbra							Novèmбра							Decèmбра							
L	M	T	Ž	P	S	K	L	M	T	Ž	P	S	K	L	M	T	Ž	P	S	K	L	M	T	Ž	P	S	K	
1	2	3	4	5	6	7	1	2	3	4	5			1	2	3	4	5	6	7	1	2	3	4	5	6	7	
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14	
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21	
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28	
29	30						27	28	29	30	31			24	25	26	27	28	29	30	29	30	31					



1 DÏVES = 24 ÒRE **1 ÇHON = 28/29, 30 VAJ 31 DÏVESA**
1 KURKO = 7 DÏVESA **1 BERŠ = 12 ÇHONA**

Trintonaj
Šartonaj
Maj



Jùnio
Jùlio
Àgusto

Decèmбра
Januàra
Februàra

Septèmбра
Oktòbra
Novèmбра

Dikh e oktobraqo kalendàri thaj ambolde ka-e puçhimata:

- Sode butaqe dësa si anθ-i oktòbra?
- Drabar e dàte kana si sàvato!
- Phen anθ-e save dësa anθar i oktòbra si tut matemàtika!

OKTÒBRA 2013						
L	M	T	Ž	P	S	K
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		



1. Xramosar e kurkesqe dÿvesa anθ-i çaçi òrdina, astarindoj kaθar o Lujdÿves!
2. Sode dësa si anθ-jekh kurko? Tha` anθ-e 3 kurke?
3. Pher e propozicie!

Iz sas

Kolaver texara avela

Texara avela

Adës si

4. Ker i relàcia maškar e çitre thaj e beršivaxta!

ANGLOMILAJ

MILAJ

ANGLOIVEND

IVEND



5. O Mihàj sas k-e pesqe pàpurà anθar o 7 jùnio zi k-o 20 jùlio. Sode dësa bešlàs o Mihàj pesqe papurenθe?
6. Sode dësa si kaθar o 1 septembra 3-i k-o 31 oktòbra?
7. Save si e milajesqe çhona? Tha` e ivendesqe çhona?
8. Sode çhona si anθ-jekh paš berš?
9. Sode berša keren 24 çhona?

10. Iz sas



Adës si



ŽOJDÿVES
20 MAJ
2014

Texara avela



49. E lovenqo labëripen



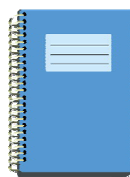
Dikh e love marde thaj e banknòte labërde amare themesθe!



Kaj te den éacés **e objekturenqo molipen**, vaś lenqo kinipen vaj bikinipen, e manúsa labären **e love**.

I monèda labërdi anθ-o amaro them si **o lèvo**.

Sode lèvură maj áchela le Dorosqe palal so kinela e trin objèktură?



1 lèvo



2 lèvură



3 lèvură

Ka-jekh bikinlin si sikavde e timina: 35 lèvură, 40 lèvură, 80 lèvură, 10 lèvură, 16 lèvură, 60 lèvură. Save timina śaj aven pokinde nùmaj banknotenqo 10 levurenqo?



1. La Dorina si la jekh banknòta 100 levurenqi. So šaj te kinel voj anθar e telutne obijèkturà? Arakh savorre šajutnimata!



7 lèvurà



10 lèvurà



100 lèvurà



40 lèvurà

2. Le Sorinos si les jekh banknòta 200 levurenqi. Vov kamel te parovel la anθ-e banknòte 10-e levurenqe. Sode banknòte xudela?
3. So valòra si kana si amen trin marde love 50-e banurenqe? Tha` deš marde love 10-e banurenqe?
4. Sode love xudes/lies palpale kaθar i bikinlin, kana des jekh banknòta 10-e levurenqi kaj te kines jekh obijèkto savo molàrel 8?
6. I Marià thaj i Adèla khelen pen *Ka-e kinimata*. Vastde la Adela te kinel verver obijèkturà, la avilindoj la: jekh banknòta 10-e levurenqi, jekh banknòta 5-e levurenqi thaj štar banknòte 1-e levosqe.



50. Palem dikhpen

1. Prinzar e mapipnasqe labne/instrumenturá thaj phen so šaj te mapines svakonenča anθar lenθe?



2. Arakh o kapacitèto le svakone čaresqo!



3. Anθar jekh pherelin kidine pen 124 kilogràmurá kirèse, 253 kilogràmurá kaise thaj 168 kilogràmurá phabaja. Sode kilogràmurá frùkturá kidine pen anθ-o totàlo anθar i pherelin?
4. I Mirela telárdás anθ-i ekskùrsia k-i deráv p-o 7 àgusto thaj bešlás 7 dësa. Anθ-i savi dàta avilás palpale i Mirela?
5. Jekh cirkosqo spektàkulo astardás k-i òra 10:00 thaj agorisardás pes k-i òra 11:30. Sode vràma inkerdás e cirkosqo spektàkulo?
6. Le Jonelos si les jekh banknòta 50 levurenqi. Vov zal k-i bikinlin kaθar kinel: jekh vojàga xum vaś 5 lèvurá, jekh cókolàda vaś 4 lèvurá thaj jekh šudrãrdi vaś 3 lèvurá. Sode love maj ačhel le Jonelosqe palal so pokinel e kinimata?



7. Phên sode sikaven e càsură!



8. Pher kadala propozície!

- Astaras i skòla anθ-o éhon
- E ivendesqi vakànca astarel anθ-o éhon thaj agorisarel pes anθ-o éhon
- E milajesqi vakànca astarel anθ-o éhon
- Mirro biandipnasqo dïves si anθ-o éhon

9. Sode 6-e metrurenqe kotora ašti te éhinen pen anθar jekh kotor poxtan 18-e metrurenqo?

10. O Kornèl pherel panëça jekh bradī 10-e litrurenqi. Kingărel e luludă 4-e litrurença pani, palal kodoja maj thol anθ-i bradī 3 litrură pani. Sode litrură panësqe si k-o agor anθ-i bradī?

11. Ginav!

120 minùtură + 60 minùtură

520 lèvură + 185 lèvură

116 minùtură + 241 minùtură

187 lèvură + 672 lèvură

825 minùtură – 178 minùtură – 283 minùtură

1000 lèvură – 458 lèvură + 157 lèvură

12. Cítre star çasosqe truja thaj reprezentisar p-e lenθe e òre!

9 thaj 50 minùtură

12 thaj 15 minùtură

15 thaj jekh pás

19 thaj 20 minùtură



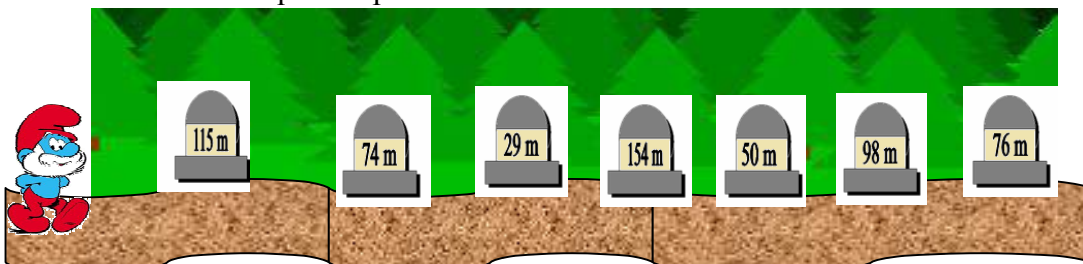
51. Evaluàcia



1. Save si e koborimata 18 kg-ença maj bare sar: 42 kg, 70 kg, 127 kg, 156 kg?
2. Jekh tikno autobùzo telàrel anθar i Krajòva k-i òra 6:30 thaj aresel anθ-o Bukurèsti k-i òra 9:50. Anθa sode vaxt kerdàs o duripen Krajòva - Bukurèsti?
3. Phen so òra sikaven e càsură!



4. Vaş o keripen le mariklënqo, anθ-jekh mariklin, labârde pen 56 kg zahàro thaj 14-e kilogramurença maj but aro. Sode kilogramură zahàro thaj aro sas labârde anθ-o totàlo k-i mariklin?
5. Anθar jekh thvdlin, thavdel anθ-jekh òra 250 litrură pani. Sode pani thavdel anθar kodoja thavdlin duje orenθe?
6. E forosqo pârko si les o lunzípen 789 mètrură. P-e 562 mètrură si rukha, thaj p-o kolaver than si votanârde luludă. P-e sode mètrură si luludă?
7. Ginav anθar palemkerdo kideripen jekh palal aver sode minùtură si anθ-e 3 òre!
8. Le papos si les 73 berşa. I daj si 35-e berşença maj terni, thaj i Àna si maj terni sar i daj 22-e berşença. Sode bèrsa si la daja? Tha` la Ana?
9. Arakh e dromesqo lunzípen! 115 m 74 m 29 m 154 m 50 m 98 m 76 m



IX. AGORUTNO PALEMDIKHIPEN

52. E naturàlo gina kaθar o 0 k-i 1 000

1. Xramosaren cifrença e gina!

starvardeš thaj duj		efta šela enavardeš thaj šov	
panz šela thaj enă		oxto šela oxtovardeš thaj oxto	
duj šela thaj dešuoxtu		jekh šel thaj dešuenă	
jekh šel thaj trănda		duj šela biš thaj jekh	
trin šela thaj deš		eftavardeš thaj oxto	

2. Ginav!

- | | |
|-------------------------------------------|--------------------------------------------|
| a) anθar 1 anθ-o 1, kaθar o 417 k-o 429; | d) anθar 5 anθ-e 5, kaθar o 805 la 855; |
| b) anθar 2 anθ-e 2, kaθar o 548 k-o 570; | e) anθar 7 anθ-e 7, kaθar o 33 k-o 75; |
| c) anθar 3 anθ-e 3, kaθar o 300 k-o 330.; | f) anθar 10 anθ-e 10, kaθar o 280 k-o 390. |

3. Xramosaren e gina anθ-i barărikani òrdina, palal kodoja anθ-i tiknederikani òrdina!

194, 658, 226, 276, 703, 377, 105, 668.

.....

4. Ker i komparàcia e ginenqi (<, =, >)!

461	.....	452	385	.....	385	393	....	392
292	.....	192	778	.....	788	267	....	762
111	.....	100	649	.....	650	99	....	999

5. Xulav e gina anθ-e šela, deša thaj jekhimata!

582 = 500 + 80 + 2	141 = _____	63 = _____
267 = _____	706 = _____	41 = _____

6. Xramosar savorre gina kerde anθar Ś (śela), D (deśa) thaj J (jekhimata), save śaj xramosaren pen e cifrença: 2, 6, 9!

7. Xramosar savorre gina kerde anθar Ś (śela), D (deśa) thaj J (jekhimata), save si len e deśenqi cifra 7 thaj e jekhimatenqi cifra 2!

8. Trujar o trebutno gin!

5 śela	3 deśa	8 jekhimata	183	538	230
0 śela	7 deśa	0 jekhimata	17	70	7
8 śela	5 deśa	9 jekhimata	850	859	598
0 śela	1 deś	8 jekhimata	81	10	18
5 śela	7 deśa	0 jekhimata	157	570	750
3 śela	0 deśa	4 jekhimata	304	340	34
1 śel	1 deś	0 jekhimata	101	110	118
9 śela	9 deśa	0 jekhimata	990	909	99

9. Cirde jekh linia telal e gina save si len zuto (gina zutença)!

451 668 387 292 106 419 594 366 700 830 100.

Xramosaren e gina kerde anθar ŚDĴ save si len e deśenqi cifra 2-ça maj bari sar e deśenqi cifra!

Xramosar e gina kerde nùmaj anθar deśa!

53. Ginavimata naturalone ginença

1. Ginav!

$382 - 124 =$

$334 + 257 =$

$900 - 234 =$

$563 - 228 =$

$897 + 8 =$

$108 - 34 =$

$745 - 327 =$

$49 + 617 =$

$220 - 98 =$

$491 - 165 =$

$150 + 234 =$

$409 + 125 =$

$456 + 167 =$

$445 + 17 =$

$400 - 227 =$

$343 + (825 - 641) =$

$(519 - 248) + 417 =$

$(953 - 670) + (425 - 311) =$

2. Arakhen o biprinzardo gin!

$a + 325 = 758$

$246 + b = 685$

$a - 425 = 376$

$379 - c = 206$

3. Sodeça si maj tikno o dujvarno e ginesqo 261 sar o trinvarno e ginesqo 253?

4. Barâr e ginenqi sùma 335 thaj 173 lenqe diferença!

5. I sùma trine ginenqi si 978. I sùma le anglutne duje ginenqi si barrabarr e sumaça kaθar e perutne e ginesqe 323. Arakh o trinto gin!

6. Anθ-jekh sevli aresen 152 arre. Sode arre šaj te aven andre anθ-e trin barrabarr sevlă?

7. Tikhâr i sùma e ginenqi 285 thaj 371 e sumaça le bizutenqe ginenqe, save si maškar 170 thaj 175!

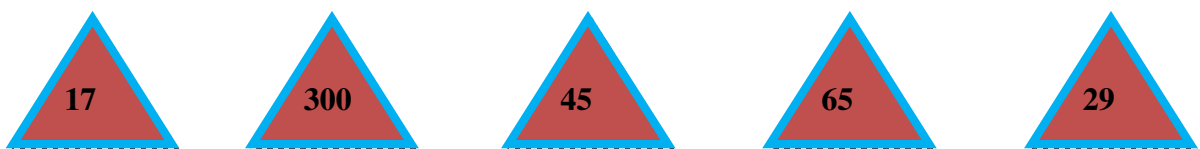
8. Arakh e ginenqi valðra a, b, c, zanindoj ke: $a + b = 479$, $b + c = 429$, $a + b + c = 785$!
9. Jekh than kaj si les i fòrma sar jekh ðtarigalo sas trujardo sastrutne thaveça. Arakh sode mètrurã sastrutne thavesqe sas labãrde, kana e ðtarigalesqi rig si anðar 235 m!
10. I daj xudel/liel p-o jekh kurko kaðar i butĩ 340 lèvurã, maj cira 110 levurença sar o dad. Sode love xuden khethanes sa-l duj?
11. Laçhar e cìfre anð-e ðtatorre, kadjal kaj p-i svàko diagonàla, linia vaj kolòna te inklòl o rezultàto 15!

6		
		3
2		

12. Çhin o gin savo na trebalas te avel anð-o telutno ðiro!



13. Svàko triànglo si les barrabarr riga. Save anðar e gina ðaj te aven e rigenqi sùma?



54. Kideripnasqe thaj tiknederipnasqe problème

1. I Maria thaj i Ana suvde, khethanes, anθ-jekh dēs, k-i fàbrica, 650 m kež. I Maria suvdās 350 m. Sode mètrurā kež suvdās i Ana?
2. So gin si te avel kidino ka o gin 589 kaj te aresel pes ka-o gin 999?
3. So gin kampil te avel lino anθar o gin 800, kaj te aresel pes ka-o gin 389?
4. So gin si te avel lino anθar i sùma e ginenqi 539 thaj 274, kaj te aresel pes ka-o gin 250?
5. So gin kampil kidino ka-i diferènca le ginenqi 751 thaj 328 kaj te aresel pes ka-o gin 1000?
6. Jekh siklòvno drabardās anθar jekh lil 115 patrinā thaj maj si les te drabarel 39 patrinā. Kazom patrinā si anθ-o lil?
7. Ka-jekh marrlin andine pen texarināθe 552 kg aro, haj rāθe 387 kg-ença maj cira. Anθar savorro aro lias pes 398 kg. Sode kg aro maj áchilās?
8. Anθ-jekh bar sasas 97 kheresqe éiriklā. 42 sasas khajnā, 15-ença maj xancī račnā, haj e kolaver sasas papinā. Sode papinā sasas anθ-i bar?
9. Anθ-jekh aviòno sasas 98 phirutne. 50 anθar lenθe sasas murśa, 30-ença maj zàla sasas čhave, haj o kolaver phirutne sasas zuvlā. Sode zuvlā sasas anθ-o aviòno?
10. Anθ-jekh autobùzo sasas 30 phirutne. K-o jekhtho áchavipen maj avile anθre 12 phirutne, haj k-o dujto áchavipen dine pen tele 15 phirutne. Sode phirutne áchile anθ-o autobùzo?

11. Anθ-o drom karing i skòla, o Ràdu nakhel anθar jekh pàrko. So duripen kerel zi k-i skòla thaj palpale, kana kheral zi k-o pàrko si 150 m, thaj kaθar o pàrko k-i skòla si 250 m?
12. Ka-jekh bikinlin bikinde pen anθ-jekh dīves 375 l mineràlo pani, haj anθ-o aver dēs 268 l. Sode liturã pani sas k-o šird, kana palal e duj dēsa maj áchile 79 l mineràlo pani?
13. Anglal i Patradi e éhave anθar i jekhto klàsa pikturisarde 112 arre, e éhave anθar i dujto klasa 11-ença maj cīra, kodola anθar i trinto klasa 15-ença maj zàlaga sar e éhave anθar i dujto klàsa, thaj kodola anθar i štarto klàsa 10-ença maj but sar kodola anθar i jekhto klàsa. Sode arre pikturisarde khethanes e éhave?
14. Jekh biciklìsto kerdàs anθ-o jekhto dēs 123 km, anθ-o dujto dēs 32-e kilometrurença maj but sar anθ-o jekhto dēs, haj anθ-o trinto dēs 35-e kilometrurença maj cīra sar anθ-o dujto dēs. Sode kilomèturã kerdàs anθ-e kodola trin dēsa?
15. Ka-o gin 86 maj thov 27. O reslo rezultàto tiknãr les 86-ença, palal kodoja 27-ença, thaj o dino rezultàto barãr les 100-ça. So rezultàto inklislo?

16. Ker lavença jekh problèma palal e dàte dine maj tele!

$$900 \text{ kg} - (258 \text{ kg} + 172 \text{ kg}) =$$



55. Geometrikane elemènturǎ

1. Rangǎr!



e starigale;



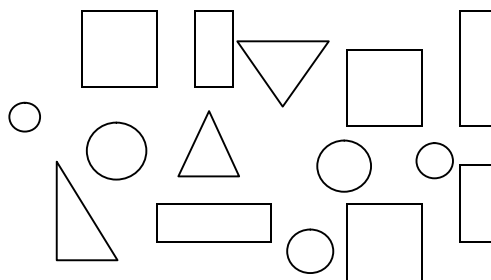
e truja;



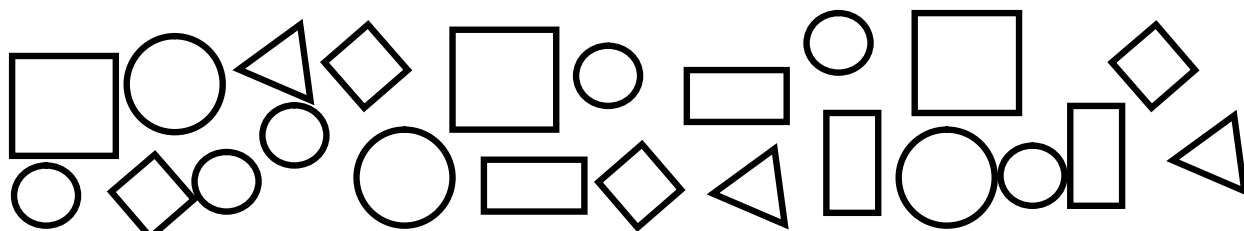
e triànglurǎ/trinrigale



e vortigle/vortarigale

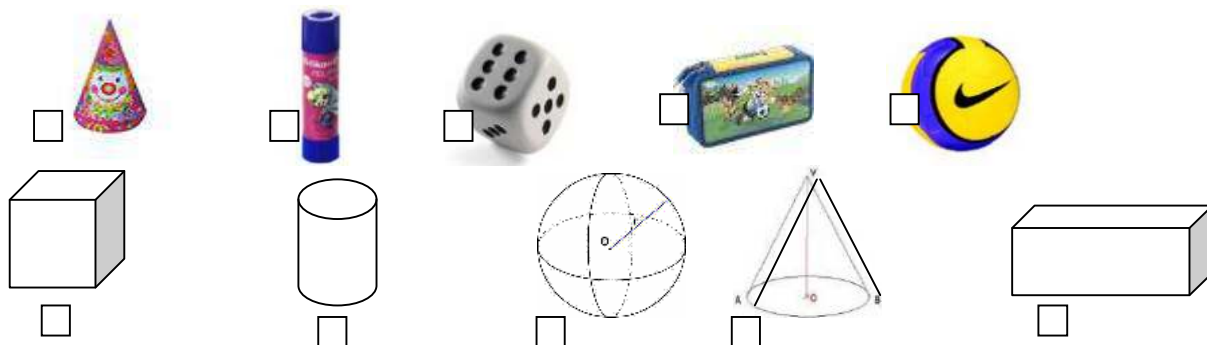


2. Dikh e geometrikane fôrme thaj pher o tabèlo!



Starigale		Vortarigale		Trinrigale		Truja	
Bare	Tikne	Bare	Tikne	Bare	Tikne	Bare	Tikne

3. Ker i relàcia maškar e objèkturǎ thaj e geometrikane fôrme, xramosarindoj o trebutno gin anθ-o úcuo kherorro!



1. sfêra

2. kòno

3. kuboïdo

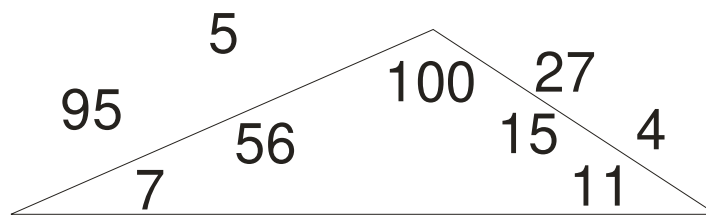
4. cilindro

5. kùbo

4. Ácaés vaj Bićaés (Ć vaj B)?

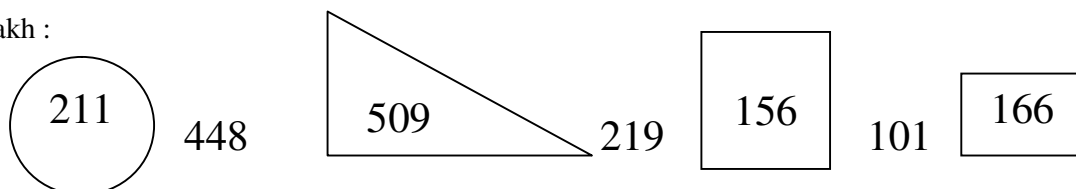
- O starigalo si les star riga barrabarre lunžipnaça.
- O trinrigalo si les star riga.
- O vortarigalo si trujalo.
- O truj si les trin riga.
- O kùbo si les 6 muja sar starigale.

5. Ćitre po jekh štarigalo, trinrigalo, vortarigalo thaj truj!
- Xramosar anθ-e štarigalesqo andripen e gina zuteça kaθar 0 k-o 10!
 - Xramosar anθ-e trianglesqo avripen e gina maj tikne sar o 5!
 - Ćitre anθ-e vortariglesqo avripen jekh maj baro vortarigalo, haj anθ-o andripen e tikne vortariglesqo ćitre jekh cilindro!
 - Xramosar anθ-e trujesqo andripen jekh kideripen, e savesqo rezultato te avel 120!
6. Jekh umal si les fōrma sar jekh štarigalo, savo si les i rig 25 m. Sode mētrurā bar trebal vaś o trujalipen e umalesqo?
7. Ćitre duj štarigale. Anθ-o andripen svakone štariglesqo ćitre po duj triànglurā. Sode triànglurā ćitrārdān?
8. Xramosar e gina anθar e trianglosqo andripen anθ-i barārikani òrdina, thaj kodola anθar lesqo avripen anθ-i tiknederikani òrdina!



9. Ka-jekh xurdelin, anθ-jekh khelnorrenqo moxton, si: 134 kùburā, 24-ença maj but sfère thaj kònurā sode kùburā thaj sfère si khethanes. Sode khelipnasqe kotora si savorrença?





10. Arakh :



- e ginenqi sùma anθar o andripen e geometrikane formenqo!
- e ginenqi diferēnca anθar o avripen e geometrikane formenqo!
- sodeça si maj bari e ginenqi sùma anθar o andripen e geometrikane formenqo sar e ginenqi diferēnca anθar o avripen e geometrikane formenqo!

56. Mapipnasqe jekhimata

1. Dikh bare dikhipnaça thaj ker o phandipen maškar alava thaj çitre!

o vaxt		o mètro
o lunžipen		o litro
o kapacitèto/ o volùmo		o kilogràmo
o pharipen		i òra

2. a) Phen panz obijèkturã, save ašti te aven mapinde e metroça!

b) Anavãr panz obijèkturã, save ašti te aven mapinde e kilogramaça!

c) Phen panz obijèkturã, e savenqo volùmo ašti te avel mapindo e litroça!

3. Pher e propozìcie!

a. O lunžipen mapinel pes e

b. E berenqo kapacitèto/volùmo mapinel pes

c. E mapinas e korpurenqo pharipen.

d. Jekh dës si lesòre, jekh òra si la minùturã, haj jekh minùto si les sekunde.

e. O berš si les çhona, thaj jekh çhon šaj te avel les,, dësa.

4. Ginav!

$$37 \text{ m} + 29 \text{ m} =$$

$$105 \text{ m} + 84 \text{ m} + 367 \text{ m} =$$

$$2 \text{ l} + 48 \text{ l} =$$

$$1 \text{ òra thaj } 30 \text{ minùturã} = ? \text{ minùturã}$$

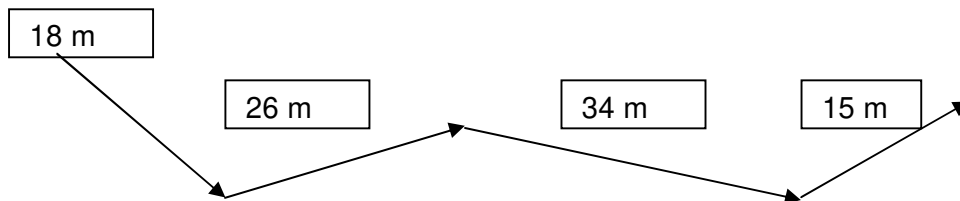
$$15 \text{ kg} + 68 \text{ kg} =$$

$$708 \text{ kg} - 259 \text{ kg} - 187 \text{ kg} =$$

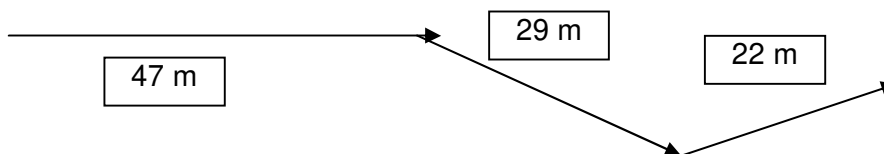
5. Arakh o lunzipen jekhe barăqo, savo trujarel jekh than e formaça sar jekh starigalo, zanindoј kaj e starigalesqj rig si la 15 m! Çitren e umalesqj fôrma!
6. Jekh kiravno kindăs kaθar i diz kolompiră, krestevècură (xire) thaj icală. E kolompiră thaj e krestevècură tolăren 24 kg, e krestevècură thaj e icală tolăren 18 kg. Savorre legùme tolăren 32 kg. Sode kg legùme kindăs anθar svàko çhand?
7. O Andrèј astarel e kheresqe bută k-i òra 15 thaj 30 minùtură. Agorisardăs k-o 17 thaj 45 minùtură. Sode vaxt kerdăs buti?
8. Jekh elefantorro xasardăs pes pesqe dajaθar. K-aști te aresel la anθar i vùrma, trebal te zal p-o maj xarno drom. Savo drom si te alosarel?



O drom **A** _____



O drom **B** _____



9. Le Florinos, le Ionelos thaj le Marinos si len khethanes 565 lèvură. Le Florinos thaj le Ionelos si len khethanes 355 lèvură, thaj le Ionelos thaj le Marinos si len 440 lèvură. Sode love si sarkone çhaves?



57. I palutni evaluàcia



1. Pher o širo inkä/pànda trine ginença!
150, 250, 350,,,
2. Laçhär barärikanes thaj tiknederikanes e gina!
143, 398, 34, 789, 234, 243, 199, 987.
3. Xramosar savorre bizutenqe gina, save si len e šelenqi cìfra 6 vi e dešenqi cìfra 9!
4. Ginav thaj arakh o mesàzo!

$$\begin{array}{r} 234 + \\ \hline 566 \end{array}$$

K

$$\begin{array}{r} 234 - \\ \hline 166 \end{array}$$

Š

$$\begin{array}{r} 138 + \\ \hline 226 \end{array}$$

U

$$\begin{array}{r} 984 - \\ \hline 596 \end{array}$$

M

$$\begin{array}{r} 779 - \\ \hline 397 \end{array}$$

I

$$\begin{array}{r} 274 + \\ \hline 96 \end{array}$$

E

$$\begin{array}{r} 594 + \\ \hline 268 \end{array}$$

R

$$\begin{array}{r} 834 + \\ \hline 86 \end{array}$$

T

$$\begin{array}{r} 839 + \\ \hline 76 \end{array}$$

O

$$\begin{array}{r} 981 - \\ \hline 392 \end{array}$$

A

$$\begin{array}{r} 735 + \\ \hline 126 \end{array}$$

S

800	915

68	364	364	800	862

861	38

382	388	589	920	37	388	58	92	38	80	58

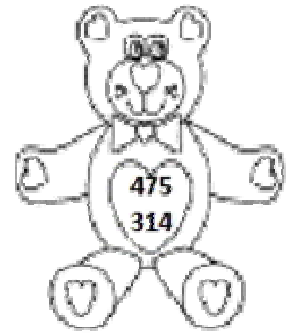
!

5. Ginav!

$$340 + 60 - 200 + 145 - 235 =$$

6. Arakh:

- a) e ginenqi sùma opral e riçhinorresqo per!
- b) e ginenqi diferènca xramosardi p-e riçhinorresqo per!
- c) o gin 100-ça maj baro sar o maj baro gin opral e riçhinorresqo per!
- d) o gin 50-ça maj tikno sar o gin zuteça palal e riçhinorresqo per!



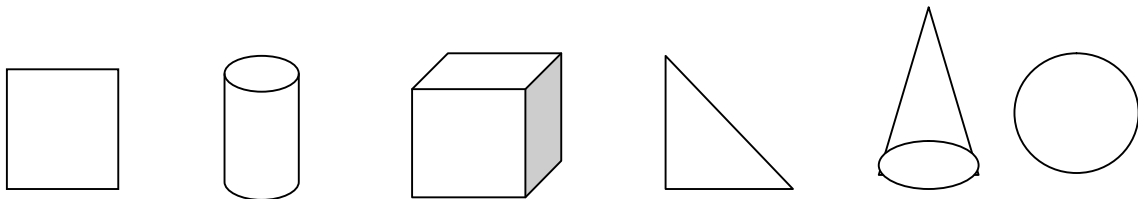
7. Arakh o gin savo garavel pes palal/telal e çerxenörrä!

$$\star + 156 = 367$$

$$900 - \star = 300$$

$$\star - 365 = 35$$

8. Xramosar o anav e geometrikane formenqo vaj e korpurenqo!



9. Pher e çuçe thana!

- a) O šerutno mapipnasqo jekhipen vaš o lunžipen si
- b) O çhon àgusto si les dësa.
- c) O litro si o šerutno mapipnasqo jekhipen vaš
- d) Jekhe çhavesqo pharipen tolărel pes labăringoj
- e) O berš si les çhona thaj beršivaxta.
- f) Kana e çasosqi tikni suv sikavel 9 thaj i bari suv sikavel 3 si i òra

ANDER

Nr. crt.	Siklăripnasqe kapitolură	Andera	Patrin		
I.	Kaθar i jekhto klāsa ka-i dujto klāsa	1. E naturālo gina kaθar 0 kaj 100	3		
		2. Kiderimata thaj tiknederimata e naturalone ginença kaθar 0 kaj 100.....	4		
		3. Bută thaj pučhimata	5		
II.	E naturālo gina kaθar 0 kaj 100	4. O drabariπen thaj o xramosariπen e naturalone ginenqo kaθar 0 kaj 30	6		
		5. I komparācia thaj o lačariπen e naturalone ginenqo kaθar 0 kaj 30	8		
		6. O drabariπen thaj o xramosariπen e naturalone ginenqo kaθar 0 kaj 100	10		
		7. I komparācia thaj o lačariπen e naturalone ginenqo kaθar 0 kaj 100	12		
		8. Palemdikhipen: I phal e ginenqi kaθar 0 kaj 100 ..	14		
		9. Evaluācia	16		
		III.	O kideriπen thaj o tiknederiπen e naturalone ginenqo kaθar 0 kaj 30	10. O kideriπen thaj o tiknederiπen e naturalone ginenqo kaθar 0 kaj 30 (binakhindoj o òrdino) ...	17
				11. O kideriπen e naturalone ginenqo kaθar 0 kaj 30 (nakhindoj o òrdino)	19
				12. O tiknederiπen e naturalone ginenqo kaθar 0 kaj 30 (nakhindoj o òrdino)	21
13. Kideriπnasqe thaj tiknederiπnasqe problēme e naturalone ginença kaθar 0 kaj 30	23				
14. O arakhipen e biprinzarde termenosoqo	25				
15. Palemdikhipen	27				
16. Evaluācia	28				
IV.	O kideriπen thaj o tiknederiπen e naturalone ginenqo kaθar 0 kaj 100			17. O kideriπen thaj o tiknederiπen e naturalone ginenqo kaθar 0 kaj 100 kerde nūmaj anθar deša	29
		18. O kideriπen e naturalone ginenqo kaθar 0 kaj 100 kerde anθar D thaj J (binakhindoj o òrdino)	31		
		19. O tiknederiπen e naturalone ginenqo kaθar 0 kaj 100 kerde anθar D thaj J (binakhindoj o òrdino)	33		
		20. O kideriπen e naturalone ginenqo kaθar 0 kaj 100 (nakhindoj o òrdino).....	35		

		21. O tiknederipen e naturalone ginenqo kaθar 0 kaj 100 (nakhindoj o òrdino)	37
		22. Kideripnasqe thaj tiknederipnasqe problème e naturalone ginença kaθar 0 kaj 100	39
		23. O arakhipen e biprinzarde termenosqo	41
		24. Palemdikhipen	43
		25. Evaluàcia	45
V.	E naturàlo gina kaθar 0 k-i 1000	26. O formisaripen, o drabaripen thaj o xramosaripen e naturalone ginenqo kaθar 0 kaj 1 000	46
		27. I komparàcia, o laçharipen thaj o rotalipen e naturalone ginenqo kaθar 0 k-i 1 000	48
		28. Palemdikhipen	50
		29. Evaluàcia	51
VI.	O kideripen thaj o tiknederipen e naturalone ginenqo kaθar 0 k-i 1000	30. O kideripen e naturalone ginenqo kerde anθar Ś, D, J, (binakhindoj o òrdino)	52
		31. O tiknederipen e naturalone ginenqo kerde anθar Ś, D, J, (binakhindoj o òrdino)	54
		32. O kideripen e naturalone ginenqo kaθar 0 k-i 1 000 (nakhindoj o òrdino)	56
		33. O tiknederipen e naturalone ginenqo kaθar 0 k-i 1 000 (nakhindoj o òrdino)	58
		34. Kideripnasqe thaj tiknederipnasqe problème e naturalone ginença kaθar 0 k-i 1 000	60
		35. O arakhipen e biprinzarde termenosqo	62
		36. Palemdikhipen	63
		37. Evaluàcia	65
VII.	Geometrikane intuifivo elemènturà	38. Geometrikane fòrme	66
		39. Geometrikane kòrpurà	68
		40. Andripen thaj avripen. E tabelurenqo keripen thaj drabaripen.....	70
		41. Palemdikhipen	72
		42. Evaluàcia	73
VIII.	Mapipnasqe jekhimata	43. Mapimata labàrindoj e bistandardo etalònurà	74
		44. E lunžimatenqo mapipen. O Mètro	76
		45. E anderesqo mapipen e çarenqo. O litro (E volumosqo mapipen).....	78
		46. E pharipnasqo mapipen e korpurenqo. O kilogràmo	80
		47. E vaxtesqo mapipen. O càso	82
		48. E vaxtesqo mapipen. O kalendàri	84
		49. E lovenqo labàripen	86
		50. Palemdikhipen	88

		51. Evaluàcia	90
IX.	O agorutno palemðikhipen	52. E naturàlo gina kaθar o 0 k-i 1 000	91
		53. Ginavimata naturalone ginença	93
		54. Kideripnasqe thaj tiknederipnasqe problème	95
		55. Geometrikane elemènturà	97
		56. Mapipnasqe jekhimata	99
		57. I palutni evaluàcia	101



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Lucrare realizată și tipărită în 1500 exemplare, cu sprijinul Reprezentanței UNICEF în România, cu fonduri oferite de Comitetul Național pentru UNICEF din Germania.

EDITURA OSCAR PRINT

ISBN 978-973-668-364-0