



Mdi Angie Motshekga,
Tona ya Thuto ya Motheo



Mna Enver Surty,
Motlatša-Tona ya Thuto
ya Motheo

Dipukutšhomo tše di tšweleditšwe go thuša bana ba Afrika-Borwa ka tlase ga boetapele bja Tona ya Thuto ya Motheo. Mdi Angie Motshekga, le Motlatša-Tona wa Thuto ya Motheo. Mna Enver Surty.

Rainbow Workbooks di bopa karolo ya mohlwaela wa tsenogare woo maikemišetšo a wona e lego go kaonafatša mošomo wa barutwana ba Afrika-Borwa bao ba lego mephatong ye tshela ya mathomo. Projeke ye, bjalo ka ge e le ye nngwe ya dinepokgolo tša Dithulaganyo tša go Diragatša tša Mmušo, e kgonne go diragala ka thekgo ya mašelang a go tšwa, ka ntle le go kgokgona go Sešegotlotlo sa Bosetšhaba. Se se kgontšhitše Kgoro go dira dipukutšhomo tše, ka maleme ka moka a semmušo, ka ntle ga gore Kgoro e lefe.

Re hutša gore barutiši ba tla holega ka dipuku tše mošomong wa bona wa tšatši ka tšatši wa go ruta, le go kgonthiša gore barutwana ba kgona go fetša lenanethuto. Re hlokometše gore re hlahle barutiši ditirong ka moka ka go tsenya maswao a ditaetši ao a laetšago seo morutwana a swanetšego go se dira.

Re tloga re hutša gore bana ba tla ipshina ka go dira mešomo ye e lego ka mo dipukwaneng tše ge ba dutše ba gola, ba ithuta, le gore wena, morutiši, o tla ipshina le bona mo lethabong la go ithuta.

Re kganyogela lena, barutiši, le barutwana ba lena, katlego, ka tšhomišo ya dipukutšhomo tše.

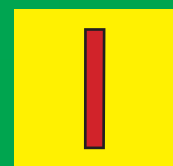
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GRADE 3 – BOOK 2
TERMS 3 & 4
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THIS BOOK MAY
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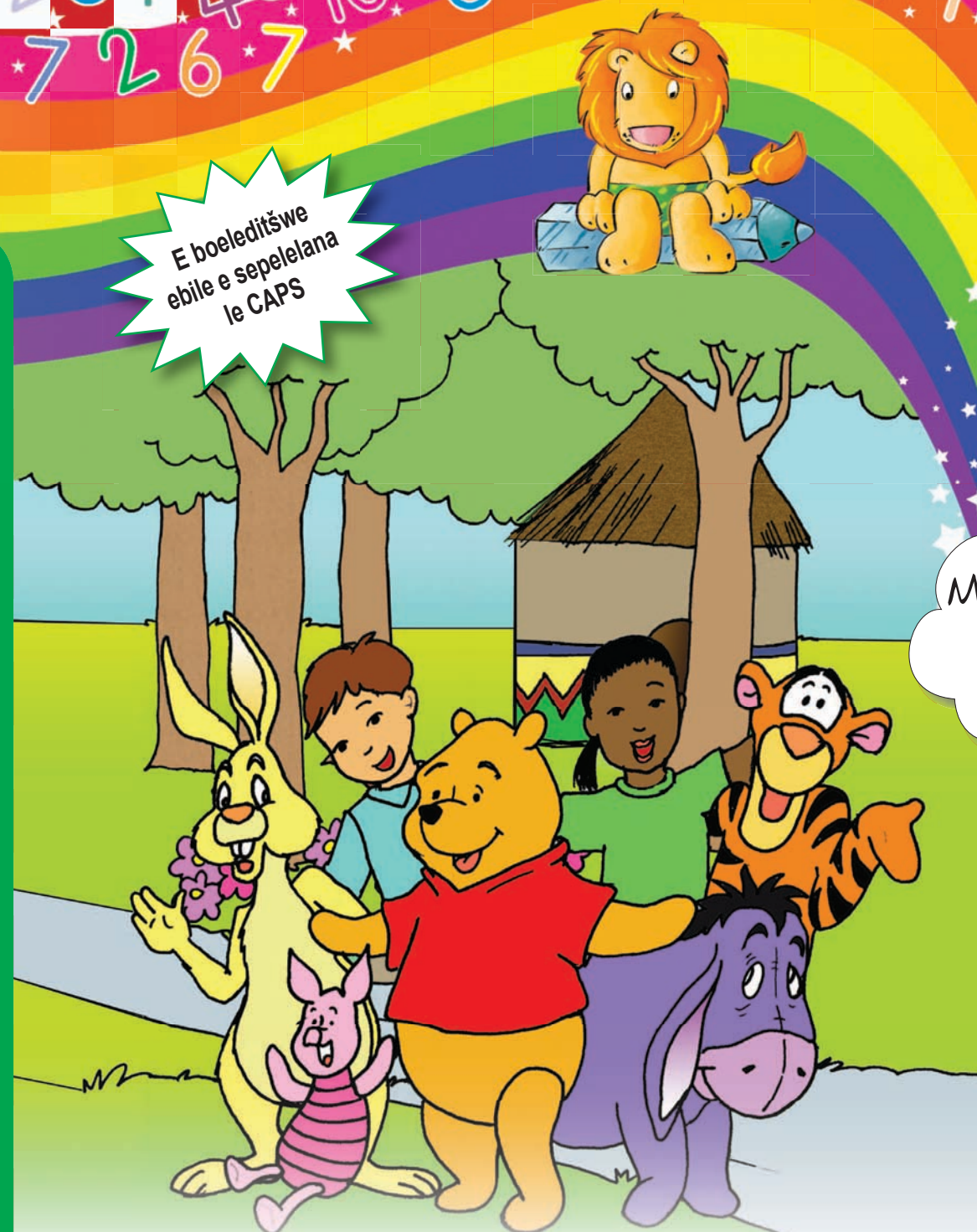
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MMETSE KA SEPEDI – Mphato wa 3 Puku ya 2

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E boeleditšwe
ebile e sepelelana
le CAPS



Mphato
wa 3

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Phapoši:



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**MMETSE KA
SEPEDI**

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kotara ya
3 & 4

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$2 \times 2 = 4$

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

Mphato
wa

3



Puku ye ke ya:



SEPEDI

Puka
ya

2

Dinomoro 500 go fihla go 600



Bala gomme o ngwale.

a. Šomiša papetla ye e latelago go go thuša go bala go tloga go 500 go fihla go 600.

Balela dinomoro godimo ge o dutše o bala.

500



501			504						510
							518		
	522								
					536				
541								549	
							558		
		573							
							588		590
	592			595					600

b. Ngwala dinomoro tše di tlogetšwego mo kriting ya mo godimo.

c. Ngwala dinomoro tše 10 tše di tlogo ka morago ga 500.

500; _____; _____; _____; _____; _____; _____; _____; _____; _____

d. Ngwala dinomoro tše 8 tše di latelago ka patrone ya di-2.

510; 512; _____; _____; _____; _____; _____; _____; _____

e. Ngwala dinomoro ka moka ka patrone ya di-2 go tloga go 548 go fihla go 570.

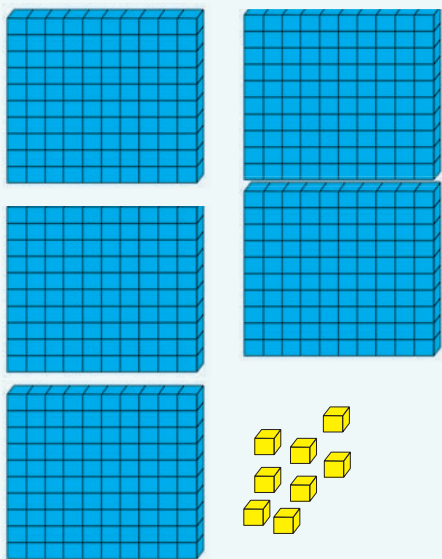
548; _____; _____; _____; _____; _____; _____; _____; _____; _____ 570

f. Ngwala dinomoro tše 8 tše di latelago ka patrone ya di-5.

515; 520; _____; _____; _____; _____; _____; _____; _____



Na ge o bala o hwetša dipoloko tše kae?



Na o badile bjang dipoloko?



Feleletša methalopalo.

540			543				547		549	
							597	598	599	
					597	598	599			



Feleletša lenaneo.

Ngwala go tloga go ye nnyane go feta go ya go ye kgolo go feta

Ngwala go tloga go ye kgolo go feta go ya go ye nnyane go feta

582, 586, 584, 581, 585		
566, 506, 560, 516, 506		



Ngwala nomoro ye e latelago ka mantšu.

520



Teacher:

Sign:

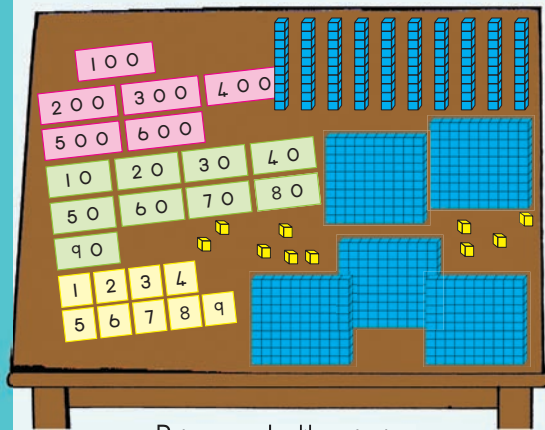
Date:

66

Dinomoro tše dingwe gape, 500 go fihla go 600

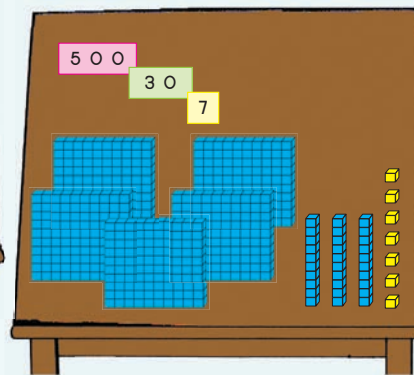
Letšatšikgwe:

Kotara ya 3

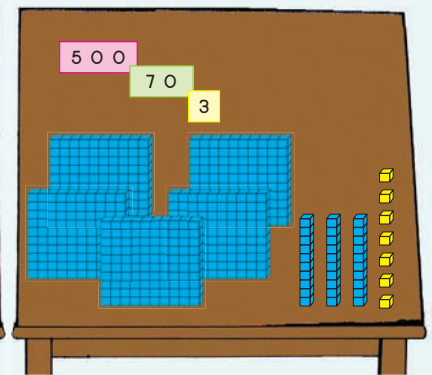


Peter o na le dikarata tša kemapalo ye e latelago le motheopalo wa dipoloko tše 10.

Morutiši o kgopela Peter gore a bontšhe 537 ka dikarata le dipoloko tša gagwe..



Se ke seo Aakar a se bontšhitšego. O šaeditše eng?



Ngwala lefokopalo, ka morago o ngwale karabo.

$500 + 10 + 7 =$	517	



Ngwala lefokopalo, ka morago o ngwale karabo.

$500 + 70 + 3$	$500 + 90$	$90 + 1$
$=$		



Feleletša mothalo palo.

550	551	552								560
-----	-----	-----	--	--	--	--	--	--	--	-----

Ngwala dinomoro ka moka tšeo di lego tše nnyane go 55b. _____

Ngwala dinomoro ka moka tšeo di lego tše kgolo go 55b. _____



Hlopholla nomoro ya gago.

- Aga nomoro ye nngwe le ye nngwe ka dikarata tša gago.
- Ngwala kemapalo ya mono wo mongwe le wo mongwe.

495	
508	
594	
549	
602	

Go na le meno ye lesome.

0 1 2 3 4 5 6 7 8 9

Re di bea mmogo gore di dire dinomoro.

Mohlala: 517

5 0 0

1 0

7

5 1 7

517

500 + 10 + 7



Ngwala mainapalo.

221	
486	
369	
419	
491	



Teacher: _____

Sign: _____

Date: _____

Dinomoro 600 go fihla go 700



Bala gomme o ngwale.

- a. Šomiša papetla ye e latelago go go thuša go bala go tloga go 600 go fihla go 700.

Balela dinomoro godimo ge o dutše o bala.

600



601			604						610
							618		
	622								
					636				
641								649	
							658		
		673							
							688		690
	692			695					700

- b. Ngwala dinomoro tše di tlogetšwego mo kriting ya mo godimo.

- c. Ngwala dinomoro tše 10 tše di tlogo ka morago ga 600.

600; _____; _____; _____; _____; _____; _____; _____; _____; _____

- d. Ngwala dinomoro tše 8 tše di latelago ka patrone ya di-2.

622; 624; 626; _____; _____; _____; _____; _____; _____; _____

- e. Ngwala dinomoro ka moka ka patrone ya di-2 go tloga go 611 go fihla go 633.

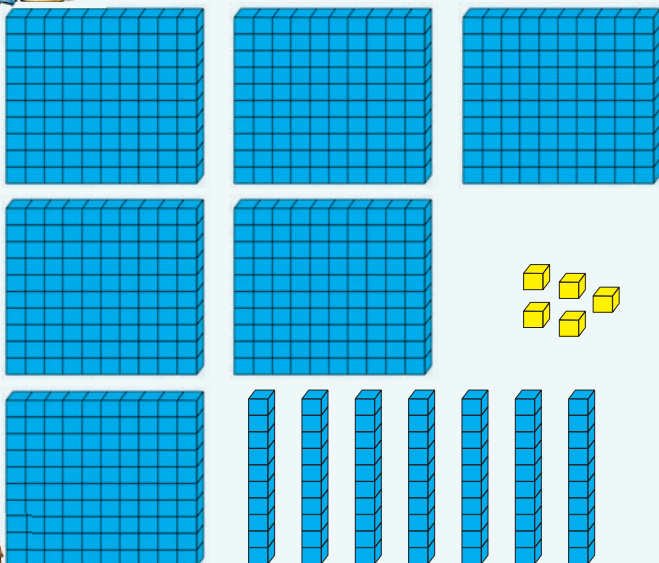
611; _____; _____; _____; _____; _____; _____; _____; _____; _____ 633

- f. Ngwala dinomoro tše 8 tše di latelago ka patrone ya di-5.

645; 650; 655; _____; _____; _____; _____; _____; _____; _____



Na ge o bala o hwetša dipoloko tše kae?



Na o badile bjang dipoloko?



Feleletša methalopalo.

640			643				647		649	
							687	688	689	
					602	604	606			



Feleletša lenaneo.

Ngwala go tloga go ye
nnyane go feta go ya go ye
kgolo go feta

Ngwala go tloga go ye
kgolo go feta go ya go ye
nnyane go feta

672, 676, 674, 671, 675		
656, 605, 650, 615, 605		



Ngwala nomoro ye e latelago ka mantšu.

631

Teacher:

Sign:

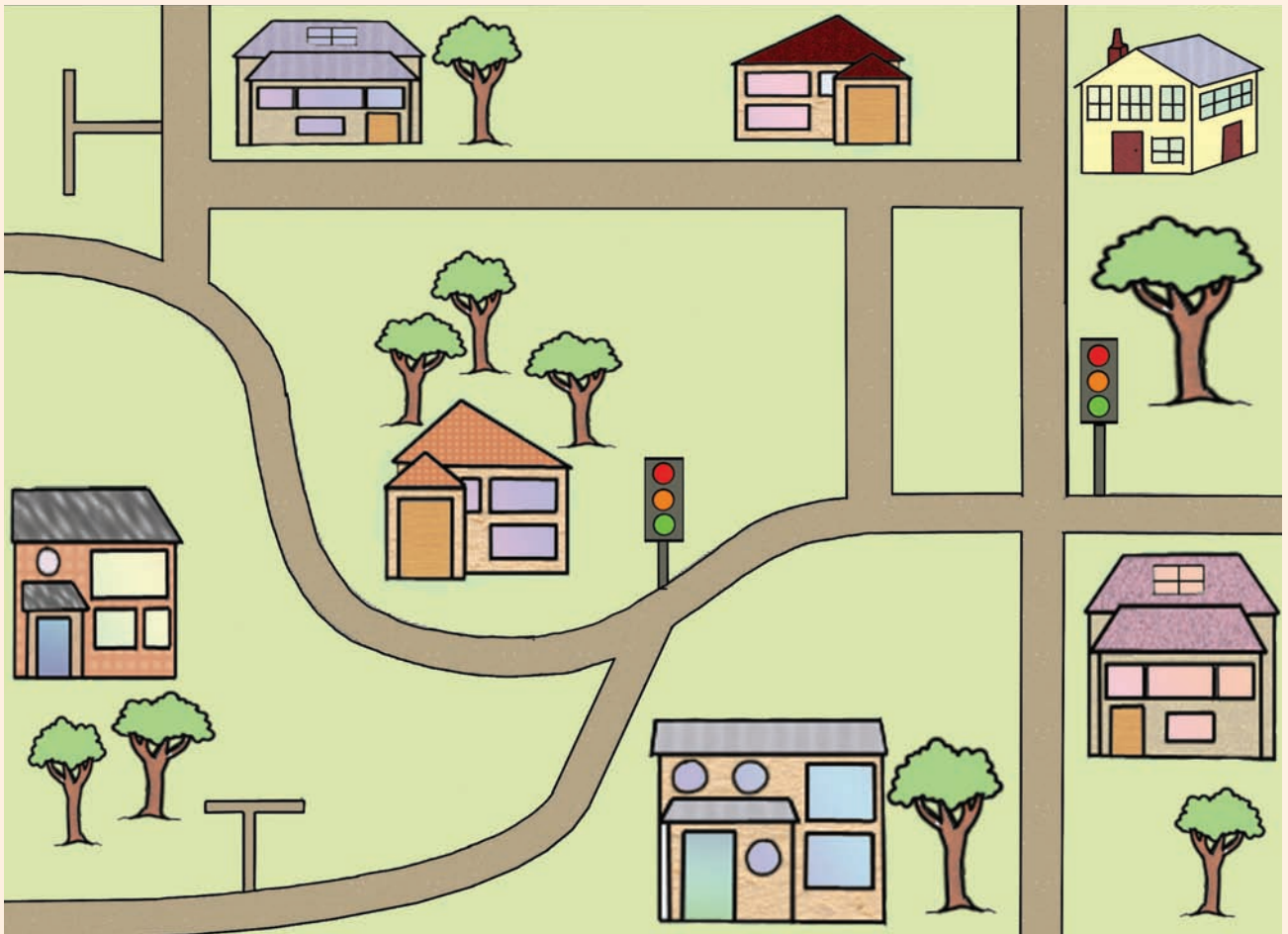
Date:



Mošomo wa mmepe

Lebelela seswantšho.

- Ke eng?
- Re se šomišetša eng?
- Re tla hwetša eng mo mmepeng?



Thala tše di latelago mo mmepeng:

Bokgobapuku, dikolo, kliniki, bookelo, seteishene sa maphodisa le mabenkele.
O ka oketša mebila.



Šomiša mmepe wo o lego
letlakaleng la go feta gore o thuše bagwera
ba gago gore ba hwetše tsela go tloga:

a. kliniking go ya seteišeneng sa maphodisa.

b. sekolong go ya kliniking.

c. sekolong go ya mabenkeleng.

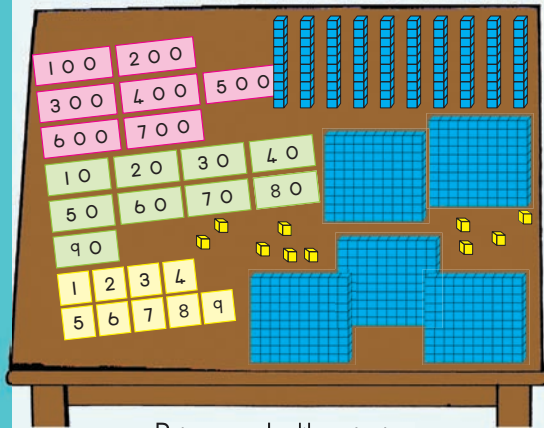
d. mabenkeleng go ya bokgobapuku.

e. bokgobapuku go ya sekolong.

f. bookelong go ya sekolong.

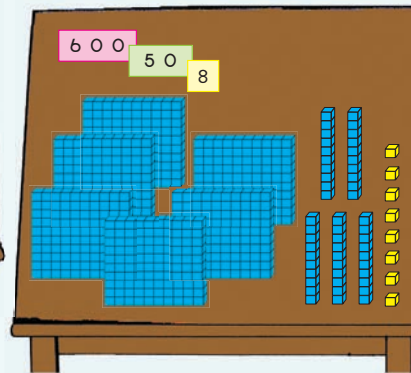


Dinomoro tše dingwe gape 600 go fihla go 700

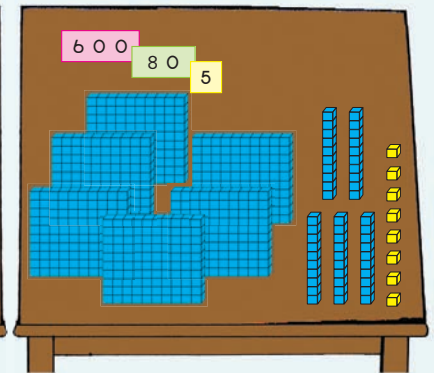


Peter o na le dikarata tša dikemapalo tše di latelago le dipoloko tša motheopalo tša 10.

Morutiši o kgopela Peter gore a bontšhe 658 ka dikarata le dipoloko tša gagwe.



Se ke seo Aakar a se bontšhitšego. O šaeditše eng?



Ngwala lefokopalo, ka morago o ngwale karabo.

$600 + 30 + 7 = 637$	$600 + 30 + 7 =$	$600 + 30 + 7 =$
----------------------	------------------	------------------



Ngwala lefokopalo, ka morago o ngwale karabo.

$600 + 90 + 8 =$	$600 + 70 + 8 =$	$600 + 50 + 8 =$
------------------	------------------	------------------



Feleletša mothalo palo.

670	671	672								680
-----	-----	-----	--	--	--	--	--	--	--	-----

Ngwala dinomoro ka moka tšeo di lego tše nnyane go 675. _____

Ngwala dinomoro ka moka tšeo di lego tše kgolo go 675. _____



Ngwala $< \text{goba} > \text{goba} =$

a. 670 _____ 607

b. 688 _____ 699

c. $600 + 50 + 5$ _____ 655



Hlopholla nomoro ya gago.

a. Aga nomoro ye nngwe le ye nngwe ka dikarata tša gago.

b. Ngwala kemapalo ya mono wo mongwe le wo mongwe. Bjale dira tše: Hlopholla nomoro ya gago.

686	
690	
699	
673	
665	

Mohlala: 632

6 0 0

3 0

2

6 3 2

632 $600 + 30 + 2$



Ngwala mainapalo.

672	
693	
607	
697	
660	



Teacher: _____
Sign: _____
Date: _____

Dinomoro 650 go fihla go 750



Bala o ngwale.

a. Šomiša papetla ye e latelago go go thuša go bala go tloga go 700 go fihla go 750.

Balela dinomoro godimo ge o dutše o bala.

650



						657			
661								669	
		683		685					
		703							
			714						
		723				727			
741		743						749	750

b. Ngwala dinomoro tše di tlogetšwego, mo go kriti ya mo godimo.

c. Ngwala dinomoro tše 10 tše di tlogo ka morago ga 650.

650; _____; _____; _____; _____; _____; _____; _____; _____; _____

d. Ngwala dinomoro tše 8 tše di latelago mo patroneng ya di-2.

705; 707; 709; _____; _____; _____; _____; _____; _____

e. Ngwala dinomoro ka moka mo patroneng ya di-3, go thoma go 719 go fihla go 749.

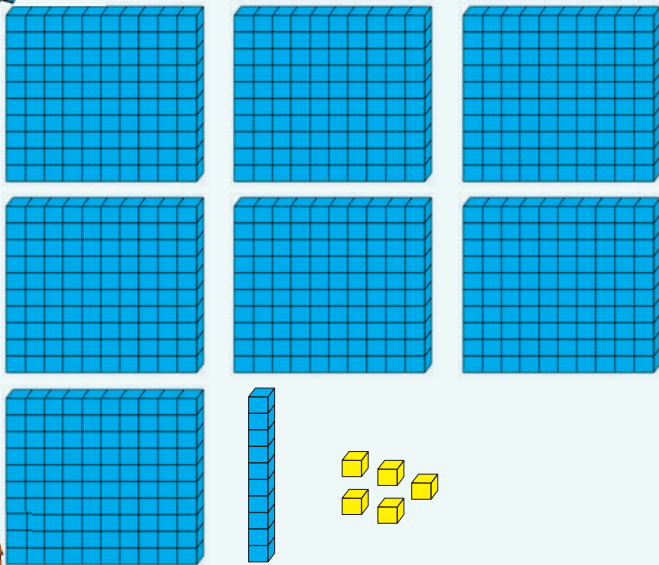
719; _____; _____; _____; _____; _____; _____; _____; _____; 749

f. Ngwala dinomoro tše 8 tše di latelago mo patroneng ya di-5.

705; 710; 715; _____; _____; _____; _____; _____; _____



Na ge o bala o hwetša dipoloko tše kae?



O badile bjang dipoloko?



Feleletša methalopalo.

700			703				707		709	
							746	747	748	
					706	711	716			



Feleletša lenaneo.

Ngwala go thoma go ye
nnyane go feta go fihla go
ye kgolo go feta

Ngwala go thoma go ye
kgolo go feta go fihla go ye
nnyane go feta

729, 720, 728, 721, 725		
659, 705, 607, 701, 706		



Ngwala nomoro ye e latelago ka mantšu.

706



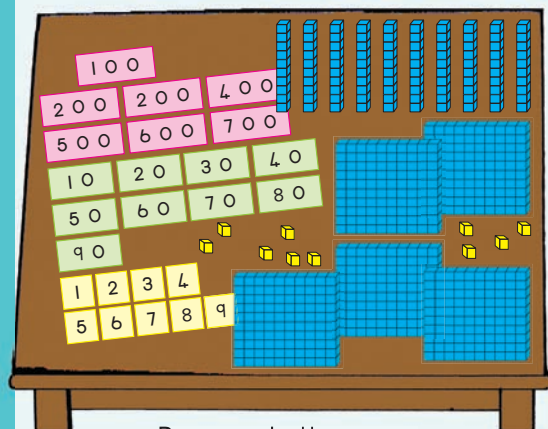
Teacher:

Sign:

Date:

Dinomoro 700 go fihla go 750

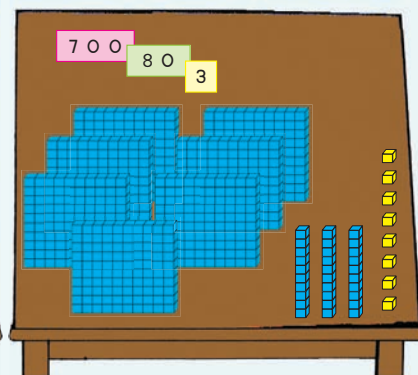
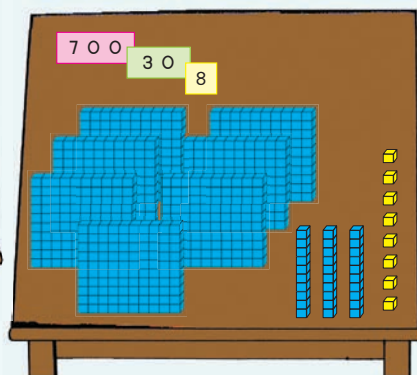
Kotara ya 3



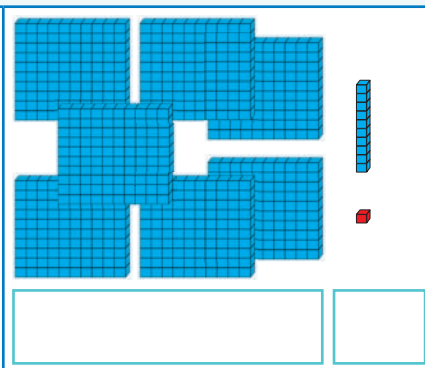
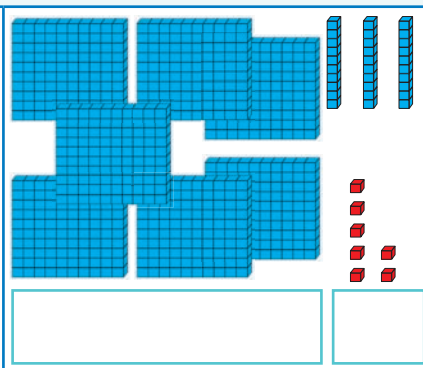
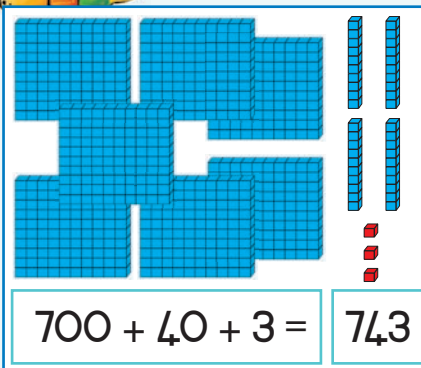
Peter o na le dikarata tša dikemapalo tše di latelago le dipoloko tša motheopalo tša 10.

Morutiši o kgopela Peter gore a bontšhe 738 ka dikarata le dipoloko tša gagwe.

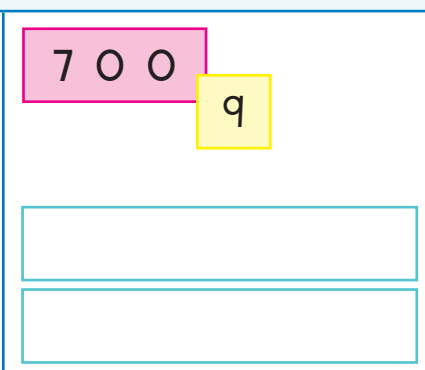
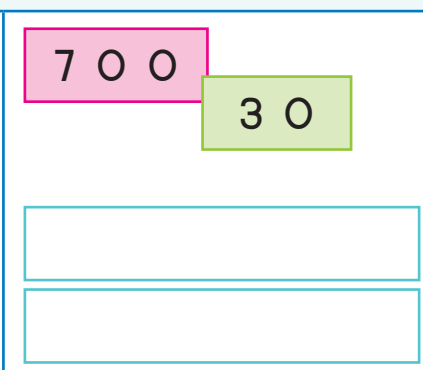
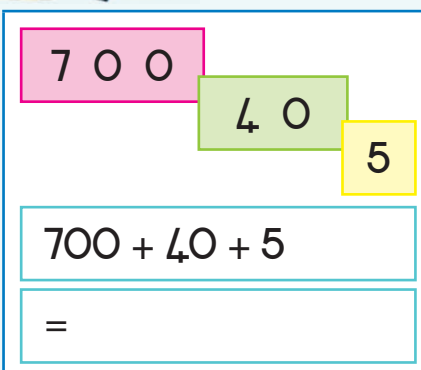
Se ke seo Tumišo a se bontšhitšego. O šaeditše eng?



Ngwala lefokopalo, ka morago o ngwale karabo.



Ngwala lefokopalo, ka morago o ngwale karabo.





Feleletša mothalo palo.

699	700	701									709
-----	-----	-----	--	--	--	--	--	--	--	--	-----

Ngwala dinomoro ka moka tšeo di lego tše nnyane go 704. _____

Ngwala dinomoro ka moka tšeo di lego tše kgolo go 704. _____



Ngwala $< \text{goba} > \text{goba} =$

a. 750 _____ 749

b. 732 _____ 723

c. $700 + 40 + 9$ _____ 749



Hlopholla nomoro ya gago.

a. Aga nomoro ye nngwe le ye nngwe ka dikarata tša gago.

b. Ngwala kemapalo ya mono wo mongwe le wo mongwe. Bjale dira tše: Hlopholla nomoro ya gago.

750	
728	
703	
730	
749	

Mohlala: 747

7 0 0

4 0

7

7 4 7

747

$700 + 40 + 7$



Ngwala mainapalo.

714	
750	
742	
738	
704	

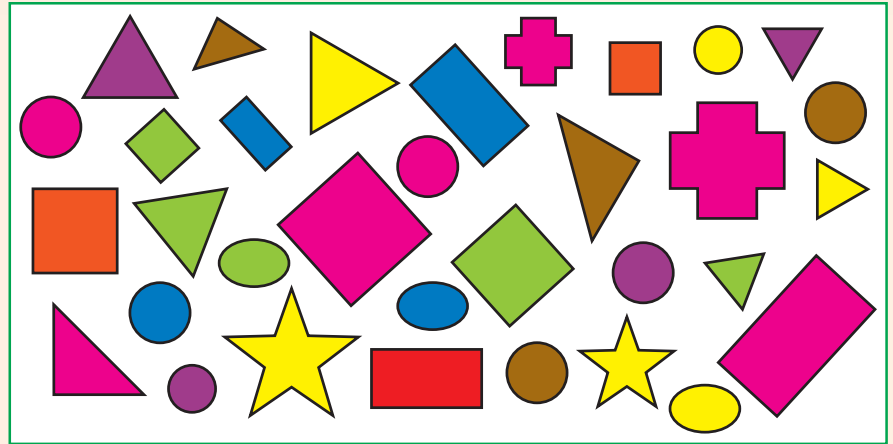


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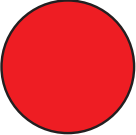
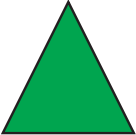


Dibopego tša mahlakorepedi (2-D)

Bolela gore na sebopego se na le lehlakorethwi goba lehlakorekgokolo.

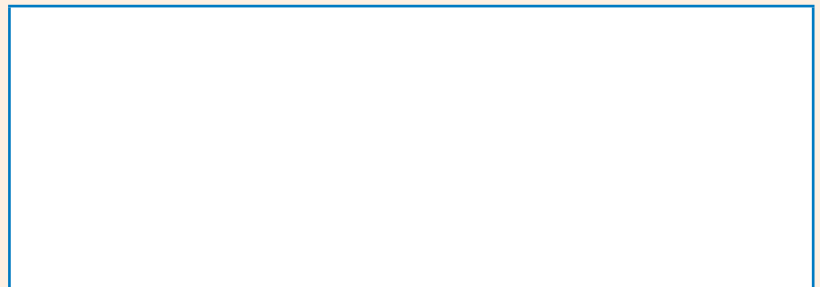


Bolela gore na sebopego se na le lehlakorethwi goba lehlakorekgokolo.



O ka kgona go thala dibopego tše kae ka merumo ye e lego thwi.



Hwetša diswantšho.

Hwetša dibopego tšeo di nago le merumothwi gomme o di mamaretše mo.

Hwetša dibopego tšeo di nago le merumo ya nkgokolo gomme o di mamaretše mo.

--	--



Feleletša tše di latelago:

	Thala sebopego ka maemo a go fapana.
khutlotharo	
khutlonnethwi	
sekwere	



Feleletša lenaneo:

	Efa sebopego leina	Thala sebopego seo se lego se sennyane kudu.	Thala sebopego seo se lego se segolo kudu.
			
			
			
			



Hwetša dikwere, dikhutlotharo, dikhutlonnethwi le didiko tša bogolo bja go fapana ka go dikgatišobaka goba ka go dikuranta.

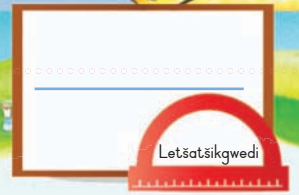
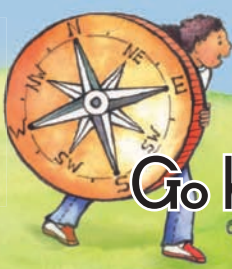
Di mamaretše mo.



Teacher:

Sign:

Date:



Go hlakantšha le go ntšha go fihla go 800



Nka reka eng ka R500?

Mo go dilo tše, ke dife tšeo nka di rekago, tša ja R500 tlwa!?



Oketša go thoma go 600.

Ngwala dinomoro tšeo di tlogetšwego.

Thoma

600

+20

620

+15

+15

+10

Fetša

+10

+25

+5



Balela morago, go tloga go 800.

Ngwala "phetogo" ka dinako tšohle.

Thoma

800

-

790

-

786

-

776

-

715

-

740

-

760

-

766

-

705

-

690

-

660

Fetša



Rarolla tše di latelago:

$$725 + 53 =$$

$$664 + 87 =$$

$$564 + 132 =$$

$$75 + 717 =$$



Rarolla tše di latelago:

Molelo o kgobokeditše dimabolo tše 525.

Ge Tumišo a mo file dimabolo tše dingwe tše 205, Molelo o tla ba le palo ya go swana le ya Tumišo.

- Ba tla be ba na le dimabolo tše kae bobedi bja bona?
- Mathomong Tumišo o be a na le dimabolo tše kae?

a.

b.



Go hlakantšha le go ntšha, gape, go fihla go 800

Maloko a dinomoro.

Re ka dira maloko a dinomoro.

Leloko le lengwe le le lengwe le na le dinomoro tše pedi tše kgolo, le e tee ye nnyane.

Tšea 4, 8 le 12, e le mohlala.

$$4 + 8 = 12$$

$$8 + 4 = 12$$

$$12 - 8 = 4$$

$$12 - 4 = 8$$



Humana maloko.

Ngwala mafokopalo a 4 mo go sehlopha se sengwe le se sengwe.

6 8 14				
17 17 34				
25 45 70				
65 335 400				
240 260 500				



Nyaka dikgokagano.

Mo go mošongwana wo re ile go šupa patrone.

$360 - 50 = \square$	$50 + \square = 360$	$\square + 50 = 360$
$570 - 480 = \square$	$480 + \square = 570$	$\square + 480 = 570$
$430 - 31 = \square$	$31 + \square = 430$	$\square + 31 = 430$
$676 - 70 = \square$	$70 + \square = 676$	$\square + 70 = 676$
$799 - 701 = \square$	$701 + \square = 799$	$\square + 701 = 799$



Leeto le letelele ka sefatanaga.

Mna Letsoalo o sepela ka sefatanaga go yo etela mmagwe yo a dulago bokgole bja dikilometara tše 352 go tloga moo a dulago.

O ema ka morago ga dikilometara tše 166. Na o šaletšwe ke dikilometara tše kae?

Mogoroši o dira se:	Boati o ngwala se:
$352 - 166$ $+4 \quad +30 \quad +100 \quad +52$ $30 + 4 + 100 + 52$ $= 134 + 52 = 186 \text{ km}$	$352 - 166$ $= 300 + 50 + 2$ $- 100 + 60 + 6$ $= 300 + 40 + 12$ $- 100 + 60 + 6$ $= 200 + 140 + 12$ $- 100 + 60 + 6$ $= 100 + 80 + 6$ $= 186 \text{ km}$
Oketšo o dira se:	Peter o dira se:
$352 - 166$ $166 + 100 \rightarrow 266 + 34 \rightarrow 300 + 52 \rightarrow 352$ $100 + 34 + 52 = 134 + 52 = 186 \text{ km}$	$352 - 166$ $= 352 - 100 - 66$ $= 252 - 66$ $= 252 - 52 - 14$ $= 200 - 14$ $= 186 \text{ km}$
Veronica o dira se:	Phuki o nagana ka dipedifatšo le diripagare:
$352 - 166$ $352 - 152 = 200$ $200 - 14 = 200 - 10 - 4$ $= 190 - 4$ $= 186 \text{ km}$	Seripagare sa 352 ke 176 Eupša ke swanetše go tšea 166, Ka fao ke hlakantšha ke bušetša 10. $176 + 10 = 186 \text{ km}$

Bolela ka ga mekgwa ya go fapana. Ke mokgwa ofe wo o o ratago go feta? Efa lebaka?



Rarolla tše di latelago mo pampiring ye nngwe:

Šomiša ofe goba ofe wa mekgwa ye ya ka godimo.

$$746 - 328$$

$$800 - 499$$



Go hlakantšha le go ntšha, go fihla go 800 gape



Itirele maloko a dinomoro.

Mošongwana wa go itokiša.

5 12 17



$$\begin{aligned} 5 + 12 &= 17 \\ 12 + 5 &= 17 \\ 17 - 12 &= 5 \\ 17 - 5 &= 12 \end{aligned}$$

Mohlala: Dira 17

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



8 9 17

Mo go nomoro ye nngwe le ye nngwe, kgetha 2 gape, go dira maloko.

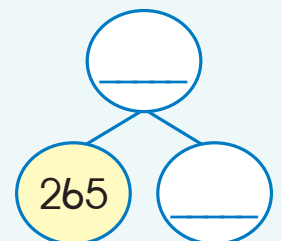
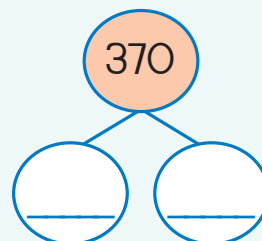
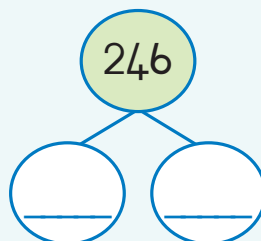
Ngwala mafokopalo a mane (pedi +, le pedi -) mo go lefokopalo le lengwe le le lengwe.

Lekola! Bapetša!
Lokiša!

			+	+	-	-
16	7	9	$7 + 9 = 16$	$9 + 7 = 16$	$16 - 9 = 7$	$16 - 7 = 9$
20						
200						
75						
50						
500						
190						



Hwetša dipedi goba diripagare tšeo di tlogetšwego.





Go ripa gare e le go ntšha.

Ge o tseba diripagare le dipedifatšo, ka nako ye nngwe o ka di šomišetša go hlakantšha le go ntšha. **Mohlala:**

$34 - 18 = 16$	$190 - 97$	$65 + 69$	$242 + 249$
$34 - 17 = 17$	$190 - 95 = 95$	$65 + 65 = 130$	$= 242 + 242 + 7$
$17 - 1 = 16$	$95 - 2 = 93$	$130 + 4 = 134$	$= 484 + 7$
			$= 491$

Bjale leka tše:

$340 - 176$	$145 + 148$	$900 - 452$
-------------	-------------	-------------



Ithute mekgwa.

Yo mongwe le yo mongwe wa bana ba 256 o hwetša mpho ya Krisemose. Seripagare se hwetša mepopo, seripagare se hwetša difatanaga. Ke ba bakae bao ba hwetšago difatanaga?

Mokgwa wa 1	Mokgwa wa 2
$256 = 200 + 50 + 6$ → Seripagare sa 200 ke 100 → Seripagare sa 50 ke 25 → Seripagare sa 6 ke 3 $100 + 25 + 3 = 128$ → Seripagare sa 256 ke 128 Ka fao ba 128 ba hwetša dikoloi.	→ Seripagare sa 250 = 125 → Seripagare sa 6 ke 3 $125 + 3 = 128$ → Seripagare sa 256 ke 128, Ka fao 128 ba hwetša dikoloi.



Rarolla tše di latelago mo pampiring ye nngwe:

Šomiša ofe goba ofe wa mekgwa ye ya ka godimo.

Bana ba 728, yo mongwe le yo mongwe o hwetša sebakadišwa mo kuranteng ya mo gae. Seripagare sa bona se hwetša dipoloko tša go aga. Ke ba bakae bao ba hwetšago dipoloko tša go aga?	Bana ba 642, yo mongwe le yo mongwe o hwetša kuku ya mafini. Seripagare sa bona se hwetša dimafini tša tšhokolete. Ke ba bakae bao ba hwetšago dimafini tša tšhokolete?
--	--



Teacher: _____
Sign: _____
Date: _____

Patrone ya dinomoro: di-10 go fihla go 800



O ka bolela eng ka ga dinomoro mo go dipoloko tšeo di khalarilwego ka mmala wa namune?

Bala di-10 go tloga go 710 go fihla go 800.

Ke eng yeo e latelago 710 ge o bala ka di-10?

Balela morago ka di-10 go tloga go 800 go fihla go 710.

Ke eng ye e tlogo pele ga 760 ge o balela morago?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Feleletša mafokopalo.

720; 730; 740; _____; _____; _____

800; 790; 780; _____; _____; _____



Hlakantšha le, goba ntšha 10.

I. Oketša palo ye e filwego, ka 10. Re go diretše ya mathomo.

a. $767 + 10 = 777$

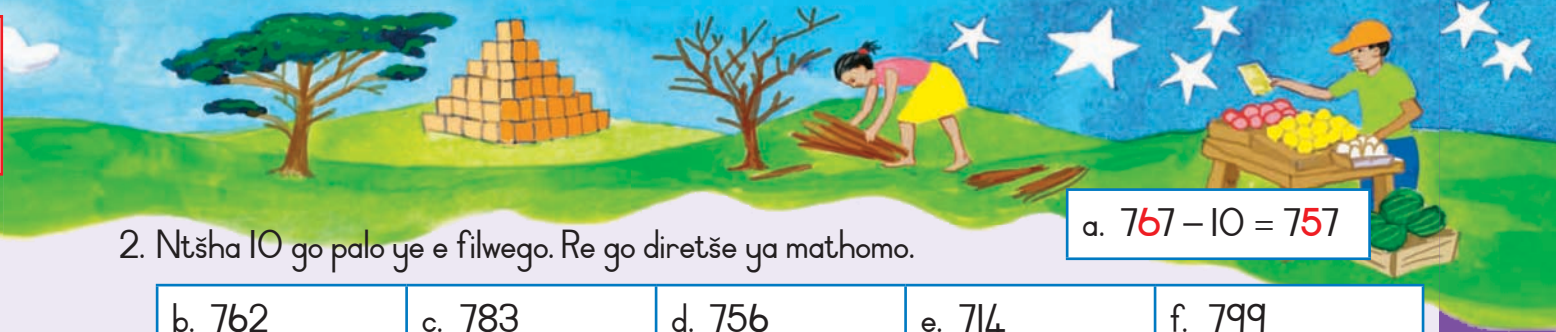
b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____



2. Ntšha IO go palo ye e filwego. Re go diretše ya mathomo.

a. $767 - 10 = 757$

b. 762

c. 783

d. 756

e. 714

f. 799

3. Go direga eng ge o oketša ka, goba o ntšha IO mo go dipalo tša mo godimo?



Lebelela didiko tše khubedu mo papetleng ya dinomoro.

a. O lemoga eng ka ga didiko? _____

b. Oketša ditatelano tše tša dinomoro:

704; 714; 724; _____; _____; _____

782; 772; 762; _____; _____; _____

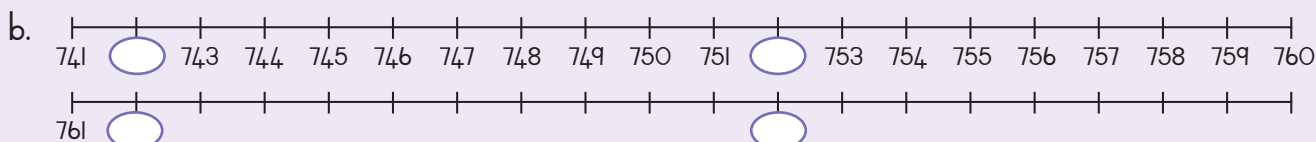
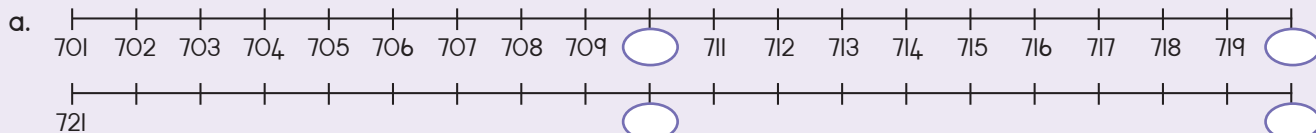
715; 725; 735; _____; _____; _____

737; 747; 757; _____; _____; _____

799; 789; 779; _____; _____; _____



Ngwala nomoro ya maleba sedikong se sengwe le se sengwe mo go methalopalo ye.



Ke na le nomoro ya meno ye 3.

Mono wa mathomo ke 7, wo o latelago o feta 7 ka 1, gomme mono wa mafelelo o fetwa ke 7 ka 1.

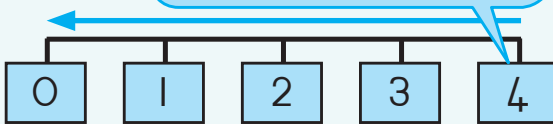
Ge o balela pele ka di-10 go tloga go nomoro ye, nomoro ye e ka ba eng?



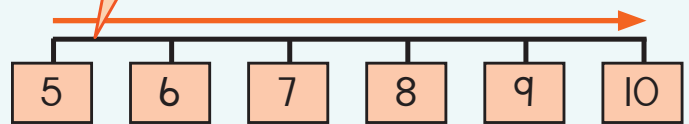
Teacher: _____
Sign: _____
Date: _____

Go enetša ka go ya go lesome la kgauswi

Dinomoro ka moka go tloga go 4 go ya morago, di tla enetšwa go ya go 0.

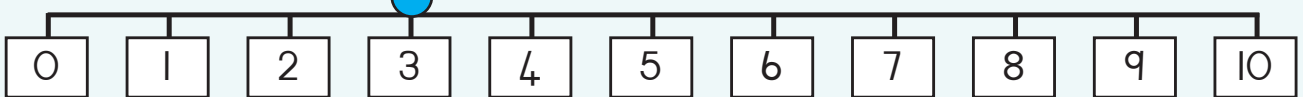


Dinomoro ka moka go ya pele go tloga go 5 di tla enetšwa go ya go 10.

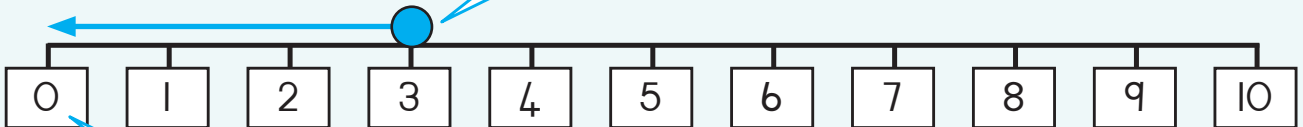


A re boleleng.

Lebelela 3 mo go mothalo palo.



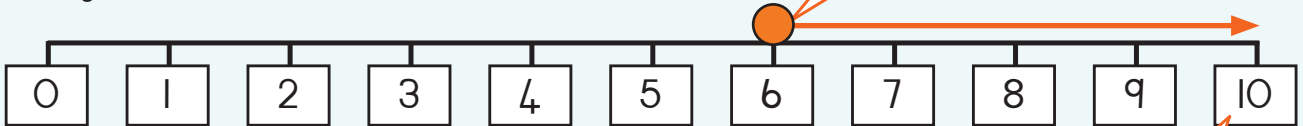
3 e tla ba eng ge enetšwa?



3 ge e enetšwa go lesome (10) la kgauswi e tla ba 0.

Dira bjalo ka:

6 e tla ba eng ge e enetšwa go ya go lesome (10) la kgauswi?



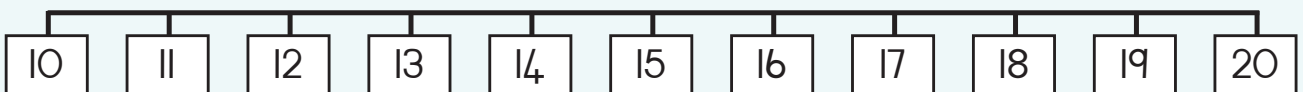
Karabo e tla ba 10.



Enetša go ya go lesome (10) la kgauswi.

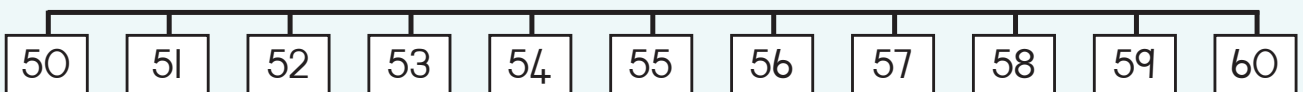
12 ge e enetšwa ke? _____

19 ge e enetšwa ke? _____



53 ge e enetšwa ke? _____

58 ge e enetšwa ke? _____





Enetša go ya go lesome (10) la kgauswi, o šomiša mothalo palo go go thuša.

a. 46

46

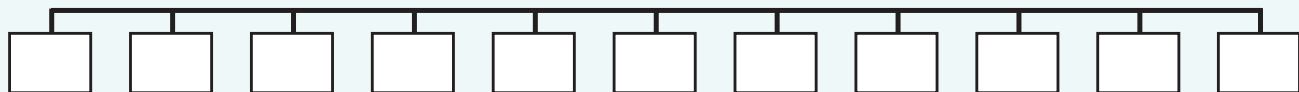
50

46 e magare ga di-10 dife tše?



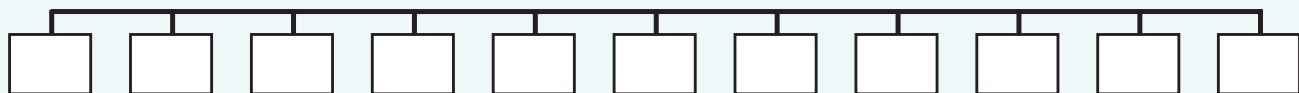
b. 63

63 e magare ga di-10 dife?



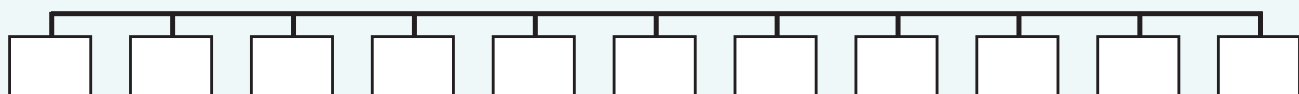
c. 37

37 e magare ga di-10 dife?



d. 99

99 e magare ga di-10 dife?



Tom o na le R48,00.

Phakete ya dikarata tše a di kgoboketšago e ja R5,00.

Na a ka reka diphakete tše kae ka R48,00? _____

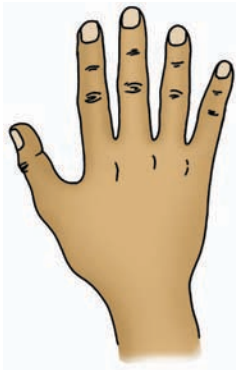


Teacher: _____
Sign: _____
Date: _____

Katišo: di-5 go fihla go 75

Ke eng se se tlogo ka di-5?

Menwana ya seatla se tee.



Ke menwana ye mekae mo go:

Diatla tše 2

Diatla tše 3?

Diatla tše 4?

Diatla tše 5?

Diatla tše 6?

Diatla tše 7?

Diatla tše 8?

Diatla tše 9?

Diatla tše 10?

Nyalanya palo le potšišo ye e lego ka go la nngale:

$$9 \times 5 = 45$$

$$7 \times 5 = 35$$

$$2 \times 5 = 10$$

$$4 \times 5 = 20$$

$$3 \times 5 = 15$$

$$5 \times 5 = 25$$

$$10 \times 5 = 50$$

$$6 \times 5 = 30$$

$$8 \times 5 = 40$$



Feleletša lenaneo le.

Go hlopha	Atiša	Go abagana	Go arola
Dihlopha tše 2 tša di-5	$2 \times 5 = 10$	Abaganya 10 magare ga 5	$10 \div 5 = 2$
Dihlopha tše 7 tša di-5		Abaganya 35 magare ga 5	
Dihlopha tše 12 tša di-5		Abaganya 60 magare ga 5	
Dihlopha tše 15 tša di-5		Abaganya 75 magare ga 5	

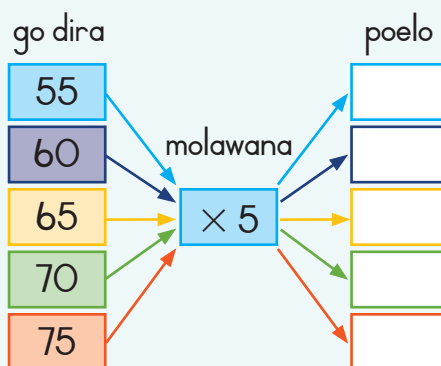
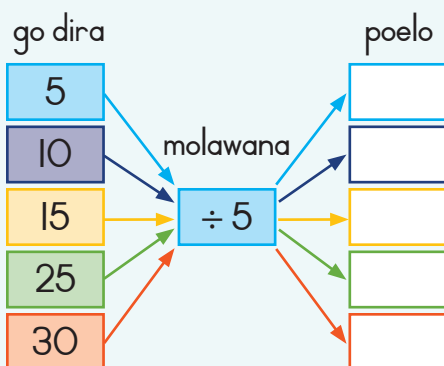
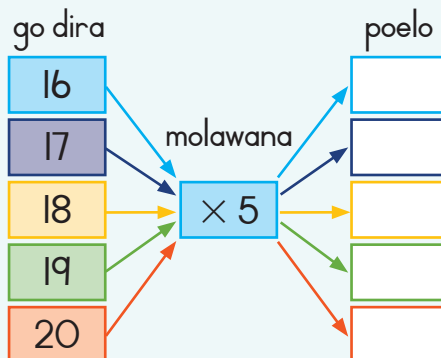
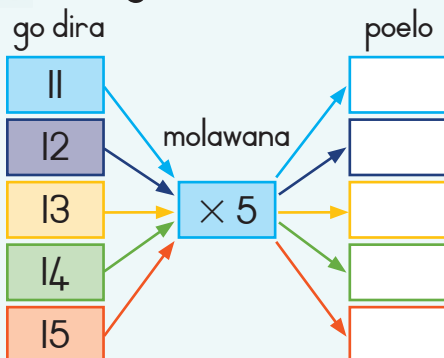


Feleletša lenaneo le.

Go abagana	Go arola
Abaganya 35 magare ga 5	$12 \div 5 = 2$ go šala 2
Abaganya 64 magare ga 5	
Abaganya 39 magare ga 5	
Abaganya 73 magare ga 5	



Feleletša diswantšho
tša go laetša tatelano ya ditiro.



Feleletša mananeo a:

$\times$	1	2	3	4	5	6	7	8	9	10
5										

$\times$	11	12	13	14	15	16	17	18	19	20
5										

O hweditše bjang dikarabo tšeo di swanetšego go ngwalwa ka dipolokong tše talalerata?



Rarolla tše di latelago:

Mma o rekile diphuthelwana tša malekere a go ja R70.
O lefile R5 sephuthelwana se tee.
Na o rekile diphuthelwana tše kae tša malekere?



Teacher:

Sign:

Date:

Patrone ya dinomoro: di-5 go fihla go 800



Na o ka bolela eng ka dinomoro tšeo di lego dipolokong tša mmala wa namune?

Bala di-5 go tloga go 705 go fihla go 800.
Ke nomoro efe yeo e tlogo ka morago ga 720
ge o bala ka di-5?

Balela morago ka di-5 go tloga go 800 go
fihla go 705.

Ke nomoro efe ye e tlogo pele ga 730 ge o
balela morago?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Feleletša mafokopalo.

725; 730; 735; _____ ; _____ ; _____

800; 795; 790; _____ ; _____ ; _____



Hlakantšha goba o ntšhe 5.

$$a. 760 + 5 = 765$$

I. Oketša nomoro ye e filwego ka 5. Re go diretše ya mathomo.

b. 725 _____

c. 780 _____

d. 755 _____

e. 715 _____

f. 790 _____



a. $765 - 5 = 760$

2. Fokotša nomoro ye e filwego ka 5. Re go diretše ya mathomo.

b. 760

c. 785

d. 750

e. 715

f. 790

3. Go direga eng ge o hlakantšha ka 5 goba o ntšha 5 dinomorong tša mo godimo?



Lebelela didiko tše khubedu mo lenaneong la dinomoro.

a. O lemoga eng ka didiko tše?

b. Oketša mafokopalo a a latelago:

703; 708; 713; ; ;

722; 727; 732; ; ;

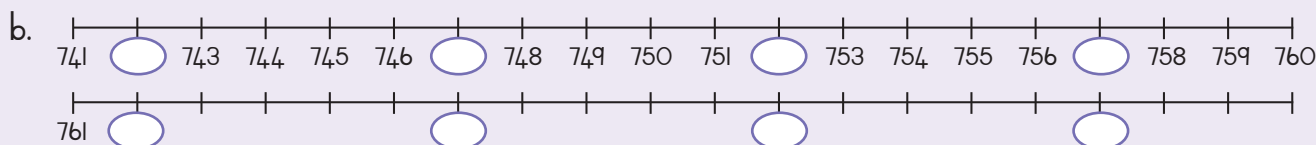
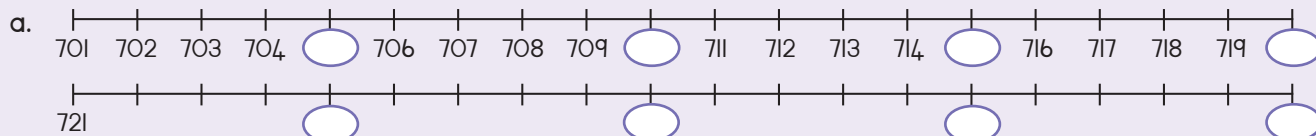
753; 758; 763; ; ;

714; 719; 724; ; ;

701; 706; 711; ; ;



Ngwala nomoro ya maleba sedikong se sengwe le se sengwe mo methalopalong ye.



Ke na le dinomoro tša menotharo.

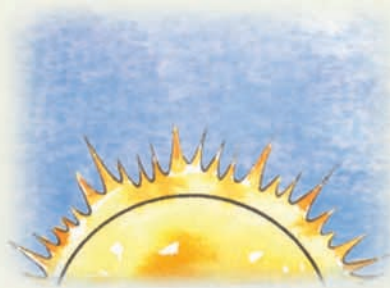
Mono wa mathomo ke 7, mono wo o latelago o feta 7, ka l gomme mono wa mafelelo o fetwa ke 7 ka 5.

Ge o balela pele ka di-5 go tloga go nomoro ye, nomoro yeo e tla ba efe?



Teacher: _____
Sign: _____
Date: _____

Mosegare le bošego



Motse-Kapa

Lenaneo le la mo tlase le laetša gore letšatši le hlaba neng gape le sobela neng ka dinako tše di fapanego tša ngwaga mo Motse-Kapa. Bala dinako tše di lego mo lenaneong gomme o ngwale lenaneo go ya pele, pele o araba dipotšišo tše tša mo tlase.



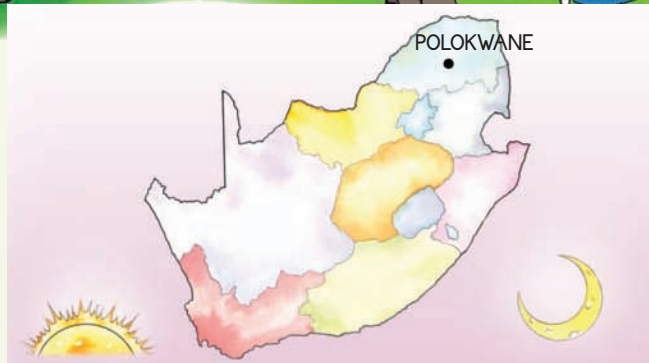
Motse-Kapa	Go hlaba ga letšatši	Go sobela ga letšatši	Botelele bja letšatši	Botelele bja bošego
Hlakola 23	6:53 ms	6:53 tp		
Mosegamanye 21	7:51 ms	5:44 tp		
Lewedi 19	6:41 ms	6:41 tp		
Manthole 22	5:32 ms	7:58 tp		

- Ke kgwedi dife tšeo mosegare le bošego di lekanago ka botelele?
- Ke kgwedi dife tšeo di nago le letšatši le letelele go feta? _____
- Ke kgwedi dife tšeo di nago le letšatši le lekopana go feta? _____
- Hwetša phapano ka diiri le metsotso magareng ga letšatši le letelele go feta le le lekopana go feta. _____
- Mo letšatšikgweding le lengwe le le lengwe lenaneo la ka godimo, hwetša botelele bja mosegare le botelele bja bošego.



Polokwane

Lenaneo le le laetša go hlaba le go sobela ga letšatši mo dinakong tše di fapanago kua Polokwane. Bala dinako mo lenaneong gomme o ngwale le mafelong a lenaneo pele o araba dipotšišo tše di lego mo tlase.



Polokwane	Go hlaba ga letšatši	Go sobela ga letšatši	Botelele bja letšatši	Botelele bja bošego
Hlakola 25	6:08 ms	6:08 tp		
Mosegamanye 21	6:44 ms	5:24 tp		
Lewedi 17	5:57 ms	5:57 tp		
Manthole 22	5:13 ms	6:50 tp		

- Ke kgwedi dife tšeo mosegare le bošego di lekanago ka botelele?
- Ke go dikgwedi dife tšeo go tšona botelele bja letšatši bo lekanago kua Motse-Kapa le kua Polokwane?
- Ke kgwedi dife moo di fapanago?
- Hwetša phapano ka diiri le metsotso magareng ga letšatši le letelele go feta le lekopana go feta.
- Mo letšatšikgweding le lengwe le le lengwe lenaneo la ka godimo, hwetša **botelele** bja **mosegare** le botelele bja **bošego**.



Kgopela yo mongwe a go thuše go hwetša dinako tša go hlaba ga letšatši le go sobela ga letšatši tikologong ya lena. Ngwala dinako tšeo, tša beke e tee. Na matšatši a ba a matelele goba a makopana?

Teacher: _____
Sign: _____
Date: _____

Go atiša: di-2 go fihla go 75

Ke eng se se tlogo ka di-2?

Phere e tee ya dieta.



Ke dieta tše kae tše di dirago:

Phere e 1 ya dieta?

diphere tše 2 tša dieta?

diphere tše 3 tša dieta?

diphere tše 4 tša dieta?

diphere tše 5 tša dieta?

diphere tše 6 tša dieta?

diphere tše 7 tša dieta?

diphere tše 8 tša dieta?

diphere tše 9 tša dieta?

diphere tše 2 tša dieta?

Nyalanya palo le potšišo ya go la nngele:

$$1 \times 2 = 2$$

$$9 \times 2 = 18$$

$$7 \times 2 = 14$$

$$2 \times 2 = 4$$

$$4 \times 2 = 8$$

$$3 \times 2 = 6$$

$$5 \times 2 = 10$$

$$10 \times 2 = 20$$

$$6 \times 2 = 12$$

$$8 \times 2 = 16$$



Feleletša lenaneo.

Go hlopha	Atiša	Go abagana	Arola
Dihlopha tše 10 tša di-2	$10 \times 2 = 20$	Abaganya 20 magare ga 2	$20 \div 2 = 10$
Dihlopha tše 15 tša di-2		Abaganya 30 magare ga 2	
Dihlopha tše 20 tša di-2		Abaganya 40 magare ga 2	
Dihlopha tše 35 tša di 2		Abaganya 70 magare ga 2	



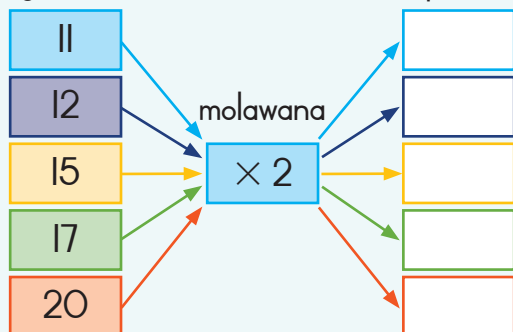
Feleletša lenaneo.

Go abagana	Arola
Abaganya 21 magare ga 2	$21 \div 2 = 10$ go šala 1
Abaganya 33 magare ga 2	
Abaganya 67 magare ga 2	
Abaganya 75 magare ga 2	

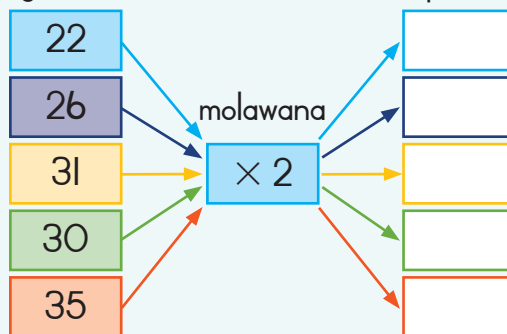


Feleletša diswantšho
tša go laetša tatelano ya ditiro.

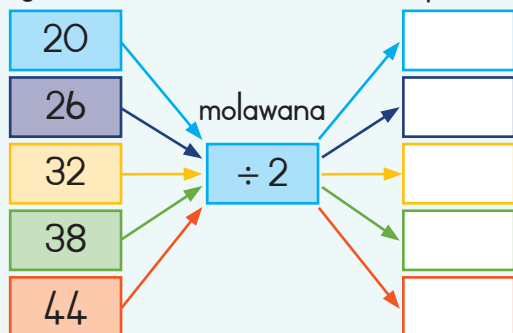
go dira



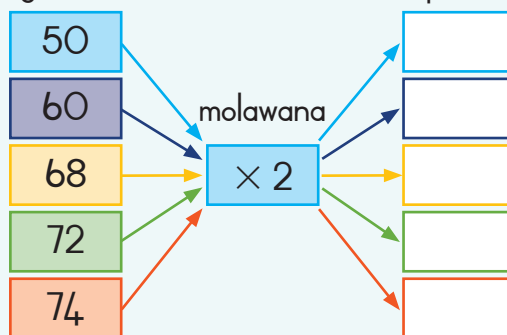
go dira



go dira



go dira



Feleletša mananeo a a mo tlase:

×	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2																				

×	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
2																	



Rarolla tše di latelago:

Ke rekile dilolipopo tše 36 ka R2 e tee.
Ke lefile ka R50, ka R20 le ka R5 ya khoine.
Tšhentšhi ke bokae?



Teacher: _____
Sign: _____
Date: _____

Dipatrone tša dinomoro: di-2 go fihla go 800



O ka bolela eng ka dinomoro tše di lego ka dipolokong tša mmala wa namune?

Bala ka di-2 go tloga go 700 go fihla go 800. Ke nomoro efe ye e tlogo ka morago ga 700 ge o bala ka di-2?

Balela morago ka di-5 go thoma go 800 go fihla go 710. Ke nomoro efe ye e tlogo pele ga 750 ge o balela morago?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Feleletša tatelano ya dinomoro.

720; 722; 724; ____; ____; ____

800; 798; 796; ____; ____; ____



Oketša ka 2 goba o fokotše ka 2.

a. $76\textcolor{red}{4} + 2 = 76\textcolor{red}{6}$

I. Oketša nomoro ye e filwego ka 2. Re go diretše ya mathomo.

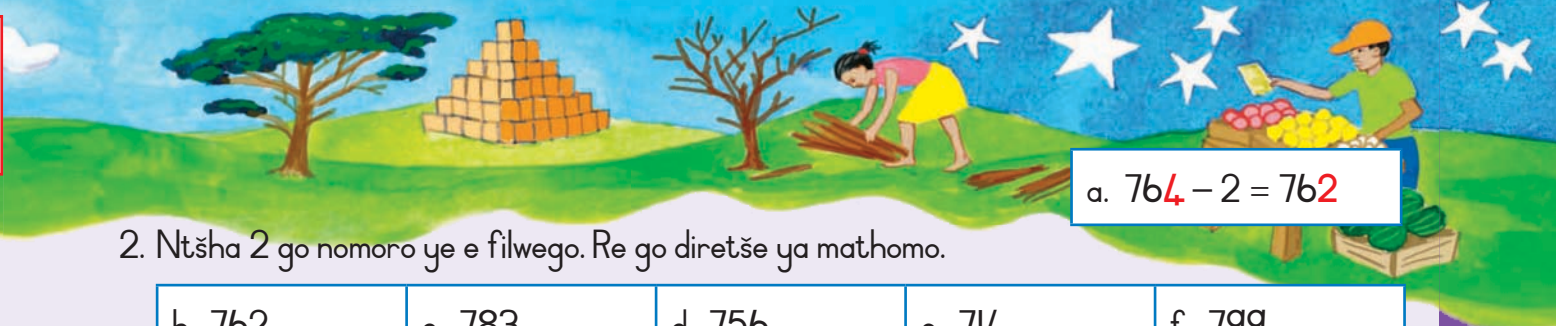
b. 762 ____

c. 783 ____

d. 756 ____

e. 714 ____

f. 799 ____



2. Ntšha 2 go nomoro ye e filwego. Re go diretše ya mathomo.

b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____

3. Go direga eng ge o oketša ka pedi goba o fokotša ka pedi mo dinomorong tše tša mo godimo?



Lebelela didiko tše talalerata mo go papetla ya dinomoro.

a. O lemoga eng ka ga dinomoro tše? _____

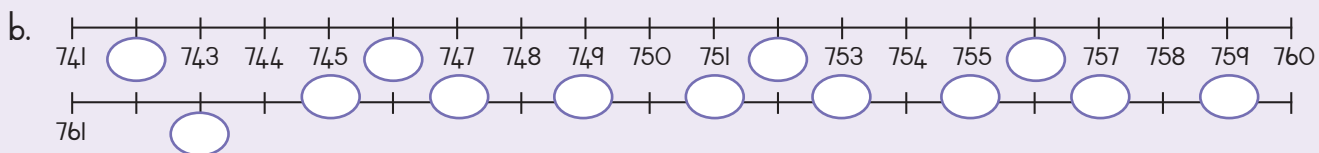
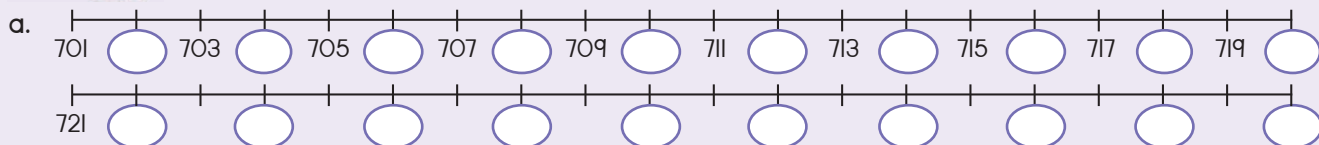
b. Oketša tatelano ya dinomoro tše di latelago: 799; 797; 795; _____; _____; _____

701; 703; 705; _____; _____; _____ 783; 785; 787; _____; _____; _____

725; 727; 729; _____; _____; _____ 779; 781; 783; _____; _____; _____



Ngwala nomoro ya maleba sedikong se sengwe le se sengwe mo methalopalong ye.



Ke na le nomoro ya menotharo.

Mono wa mathomo ke 7, mono wo o latelago o feta 7 ka pedi, gomme mono wa mafelelo o fetwa ke 7 ka nne.

Ge o balela pele ka di-2 go tloga go nomoro ye, nomoro yeo e ka ba efe?



Teacher: _____
Sign: _____
Date: _____

Go atiša:

di-2 le di-5 go fihla go 75



O ka araba tše di latelago ka lebelo le lekaakang?

$1 \times 2 =$ _____	$2 \times 5 =$ _____	$10 \times 2 =$ _____	$7 \times 2 =$ _____
$8 \times 2 =$ _____	$5 \times 2 =$ _____	$8 \times 5 =$ _____	$4 \times 5 =$ _____
$5 \times 5 =$ _____	$6 \times 5 =$ _____	$3 \times 2 =$ _____	$7 \times 5 =$ _____
$6 \times 2 =$ _____	$9 \times 5 =$ _____	$3 \times 5 =$ _____	$4 \times 2 =$ _____
$10 \times 5 =$ _____	$5 \times 2 =$ _____	$1 \times 5 =$ _____	$9 \times 5 =$ _____



Lebelela seo mogwera wa ka a se dirilego.

Se ahlaahle.

$$4 \times 2 = 8$$

Mogwera wa ka o bontšhitše 4×2 ka tsela ye:

Go bala ka go taboga.	Dihlopha tša go lekana.	Go hlakantšha ga go bušeletšwa.	Mekgabišo	Dintlha
2, 4, 6, 8		$2 + 2 + 2 + 2$	xx xx xx xx	$2 \times 4 = 8$ $4 \times 2 = 8$ $8 \div 4 = 2$ $8 \div 2 = 4$

Bjale dira bjalo ka $4 \times 5 = 20$.

Go bala ka go taboga.	Dihlopha tša go lekana.	Go hlakantšha ga go bušeletšwa.	Mekgabišo	Dintlha



Atiša tše di latelago:

$$24 \times 3$$

$$\begin{aligned} &= (20 + 4) \times 3 \\ &= (20 \times 3) + (4 \times 3) \\ &= 60 + 12 \\ &= 72 \end{aligned}$$

$$\text{a. } 13 \times 3$$

$$\text{b. } 18 \times 3$$

$$\text{c. } 12 \times 5$$

$$\text{d. } 21 \times 3$$

$$\text{e. } 14 \times 3$$

$$\text{f. } 25 \times 3$$

$$\text{g. } 12 \times 3$$

$$\text{h. } 15 \times 5$$



Rarolla tše di latelago:

Ke rekile malekere a 14 ka R3 le tee.
Mogwera wa ka o rekile malekere a 12 ka R5 le tee.
Re lefile palomoka ya bokae ya malekere?



Teacher: _____
Sign: _____
Date: _____

Go atiša: di-3 go fihla go 75

Ke eng se se tlogo ka di-3?

Maotwana a traesekele.



Ke maotwana a makae mo go Traesekele e 1?

Ditraesekele tše 2?

Ditraesekele tše 3?

Ditraesekele tše 4?

Ditraesekele tše 5?

Ditraesekele tše 6?

Ditraesekele tše 7?

Ditraesekele tše 8?

Ditraesekele tše 9?

Ditraesekele tše 10?

Nyalanya palo le potšišo ya ka go la ngele:

$$9 \times 3 = 27$$

$$7 \times 3 = 21$$

$$2 \times 3 = 6$$

$$4 \times 3 = 12$$

$$3 \times 3 = 9$$

$$5 \times 3 = 15$$

$$1 \times 3 = 3$$

$$10 \times 3 = 30$$

$$6 \times 3 = 18$$

$$8 \times 3 = 24$$



Feleletša lenaneo.

Go hlopha	Go atiša	Go abagana	Go arola
Dihlopha tše 11 tša di 3	$11 \times 3 = 33$	Abaganya 33 magare ga 3	$33 \div 3 = 11$
Dihlopha tše 15 tša di 3		Abaganya 45 magare ga 3	
Dihlopha tše 25 tša di 3		Abaganya 60 magare ga 3	
Dihlopha tše 12 tša di 3		Abaganya 36 magare ga 3	



Feleletša lenaneo.

Go abagana	Go arola
Abaganya 37 magare ga 3	$37 \div 3 = 12$ go šala 1
Abaganya 74 magare ga 3	
Abaganya 49 magare ga 3	
Abaganya 68 magare ga 3	



Feleletša diswantšho
tša go laetša tatelano ya ditiro.

go dira

10
125
14
16
22

molawana

$\times 3$

poelo

go dira

11
11
15
23
25

molawana

$\times 3$

poelo

go dira

18
30
36
42
75

molawana

$\div 3$

poelo

go dira

12
63
66
69
75

molawana

$\div 3$

poelo



Feleletša mananeo a a mo tlase:

$\times$	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	3	6													

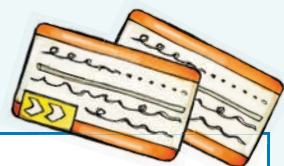
$\times$	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4															

O hweditše bjang karabo ya gago mo dipolokong tše di khalarilwego ka botalalerata?



Rarolla tše di latelago:

Tšhelete ya go tsena e be e le R3 ngwana yo mongwe le yo mongwe.
Go tsene bana ba 23 ka phakeng.
Ba lefile bokae?



Teacher:
Sign:
Date:

Go atiša ka di-2, di-3 le di-4 go fihla go 75

O ka kgona go araba tše di latelago ka lebelo le lekaakang?

$1 \times 2 =$ _____	$5 \times 4 =$ _____	$5 \times 2 =$ _____	$2 \times 2 =$ _____
$6 \times 3 =$ _____	$4 \times 2 =$ _____	$2 \times 4 =$ _____	$7 \times 3 =$ _____
$8 \times 4 =$ _____	$2 \times 3 =$ _____	$7 \times 2 =$ _____	$9 \times 4 =$ _____
$3 \times 2 =$ _____	$4 \times 4 =$ _____	$10 \times 3 =$ _____	$1 \times 3 =$ _____
$3 \times 3 =$ _____	$9 \times 2 =$ _____	$6 \times 4 =$ _____	$10 \times 3 =$ _____



Lebelela seo mogwera wa ka a se dirilego.

Se ahlahlhe.

$$5 \times 2 = 10$$

Ke thomile ka go laetša 5×2 ka mokgwa wo:

Go bala ka go taboga	Dihlopha tša go lekana	Go hlakantšha ga go bušeletšwa	Mekgabišo	Dintlha
2, 4, _ _ _	● _ _ _ ● _ _ _	$2 +$ _ _ _	— Mothalo wa tše 2 xx	$\begin{array}{r} 2 \times _ = _ \\ 4 \times _ = _ \\ - \div _ \times _ = _ \\ - \div _ = _ \end{array}$

Dira bjalo ka $8 \times 3 = 24$.

Go bala ka go taboga	Dihlopha tša go lekana	Go hlakantšha ga go bušeletšwa	Mekgabišo	Dintlha

$6 \times 4 = 24$.

Go bala ka go taboga	Dihlopha tša go lekana	Go hlakantšha ga go bušeletšwa	Mekgabišo	Dintlha



Arola gomme o lekole karabo ya gago.

$$63 \div 3$$

$$= (60 + 3) \div 3$$

$$= (60 \div 3) + (3 \div 3)$$

$$= 20 + 1$$

$$= 21$$

$$21 \times 3$$

$$= (20 + 1) \times 3$$

$$= (20 \times 3) + (1 \times 3)$$

$$= 60 + 3$$

$$= 63$$

a. $48 \div 5$

b. $64 \div 5$



Rarolla tše di latelago:

Nna le bagwera ba ka re na le R63 ge e kopane.
Re nyaka go e abagana ka go lekana boraro bja rena.
Re tšile go hwetša bokae mongwe le mongwe?



Teacher: _____
Sign: _____
Date: _____

Dipatrone tša dinomoro: di-3 go fihla go 800



O ka bolela eng ka dinomoro tše di lego ka dipolokong tša mmala wa namune?

Bala ka di-3 go tloga go 703 go fihla go 799.
Ke nomoro efe ye e tlogo ka morago ga 745
ge o bala ka di-3?

Balela morago ka di-5 go thoma go 799 go
fihla go 703. Ke nomoro efe ye e tlogo pele ga
766 ge o balela morago?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Feleletša tatelano ya dinomoro.

703; 706; 709; ____; ____; ____

799; 796; 793; ____; ____; ____



Oketša ka 3 goba o fokotše ka 3.

$$a. 766 + 3 = 769$$

I. Oketša palo ye e filwego ka 3. Re, go diretše ya mathomo.

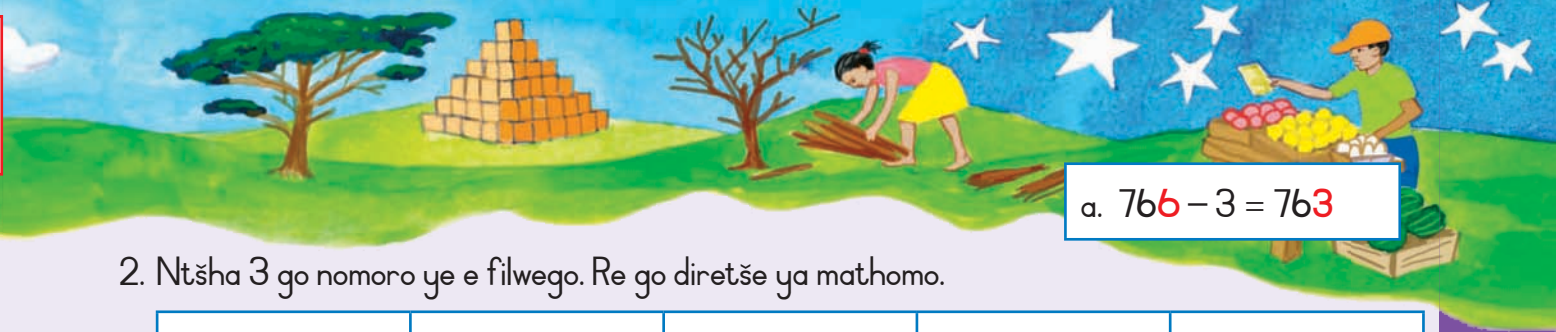
b. 766 ____

c. 783 ____

d. 756 ____

e. 713 ____

f. 790 ____



a. $76b - 3 = 763$

2. Ntšha 3 go nomoro ye e filwego. Re go diretše ya mathomo.

b. 763 _____

c. 789 _____

d. 756 _____

e. 713 _____

f. 799 _____

3. Go direga eng ge o oketša ka tharo goba o fokotša ka tharo mo dinomorong tše tša mo godimo?



Lebelela didiko tše talalerata mo go papetla ya dinomoro.

a. O lemoga eng ka ga dinomoro tše? _____

b. Oketša tatelano ya dinomoro tše di latelago: 779; 776; 773; _____; _____; _____
 704; 707; 710; _____; _____; _____
 773; 776; 779; _____; _____; _____
 779; 782; 785; _____; _____; _____



Ngwala nomoro ya maleba sedikong se sengwe le se sengwe mo methalopalong ye.

a.

701	702		704	705		707	708		710	711		713	714		716	717		719	720
721																			

b.

741		743	744		746	747		749	750		752	753		755	756		758	759	
761																			



Ke na le nomoro ya menotharo:

Mono wa mathomo ke 7, mono wo o latelago o feta 7 ka pedi, gomme mono wa mafelelo o fetwa ke 7 ka šupa.

Bjale, balela pele ka di-3 go thoma go nomoro ye. O hwetša nomoro efe?



Teacher: _____
 Sign: _____
 Date: _____

Go atiša: di-4 go fihla go 75

Ke eng se se tlogo ka di-4?

Maotwana a sefatanaga



Ke maotwana a makae mo go

Sefatanaga se 1?

Difatanaga tše 2?

Difatanaga tše 3?

Difatanaga tše 4?

Difatanaga tše 5?

Difatanaga tše 6?

Difatanaga tše 7?

Difatanaga tše 8?

Difatanaga tše 9?

Difatanaga tše 10?

Nyalanya palo le potšišo ya ka go la nngwe:

$$9 \times 4 = 36$$

$$7 \times 4 = 28$$

$$2 \times 4 = 8$$

$$4 \times 4 = 16$$

$$3 \times 4 = 12$$

$$5 \times 4 = 20$$

$$1 \times 4 = 4$$

$$10 \times 4 = 40$$

$$6 \times 4 = 24$$

$$8 \times 4 = 32$$



Feleletša lenaneo.

Go arola	Go atiša	Go abagana	Go arola
Dihlopha tše 12 tša di 4	$12 \times 4 = 48$	Abaganya 47 magare ga 4	$48 \div 4 = 12$
Dihlopha tše 16 tša di 4		Abaganya 64 magare ga 4	
Dihlopha tše 18 tša di 4		Abaganya 72 magare ga 4	
Dihlopha tše 15 tša di 4		Abaganya 60 magare ga 4	

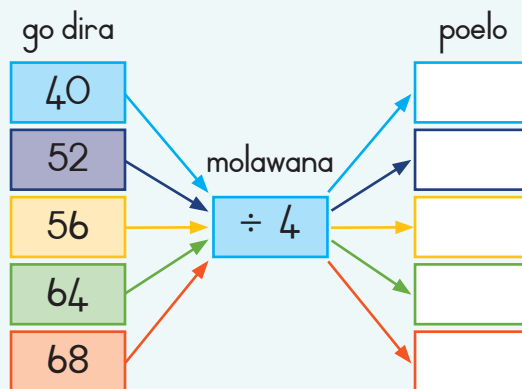
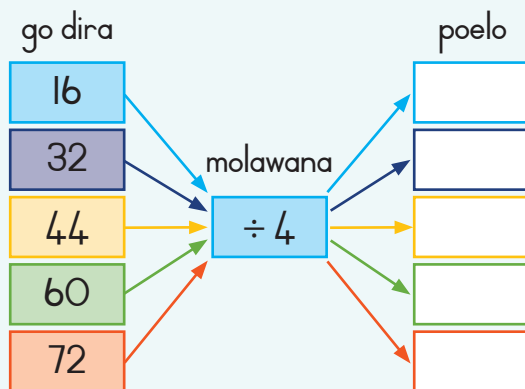
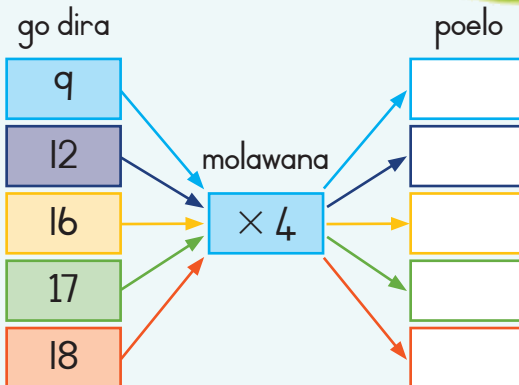
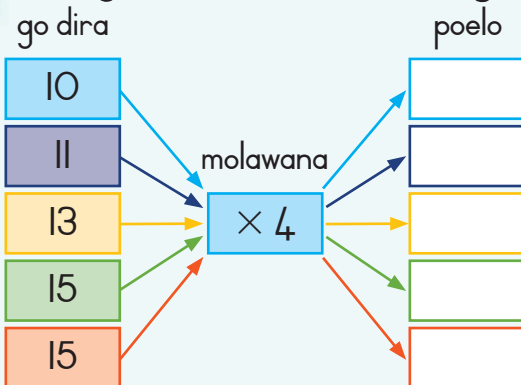


Feleletša lenaneo.

Go abagana	Go arola
Abaganya 34 magare ga 4	$35 \div 4 = 8$ go šala 3
Abaganya 55 magare ga 4	
Abaganya 70 magare ga 4	
Abaganya 75 magare ga 4	



Feleletša diswantšho
tša go laetša tatelano ya ditiro.



Feleletša mananeo a a mo tlase:

$\times$	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4															

$\times$	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4															

O hweditše bjang karabo ya gago mo dipolokong tše di khalarilwego ka botlalerata?



Rarolla tše di latelago:

Ke na le R75.

Nka reka diphuthelwana tše kae tša dimpho ka R4 sephuthelwana?



Teacher: _____

Sign: _____

Date: _____

Dipatrone tša dinomoro: di-4 go fihla go 800



O ka bolela eng ka dinomoro tše di lego ka dipolokong tša mmala wa namune?

Bala ka di-4 go tloga go 704 go fihla go 800.
Ke nomoro efe ye e tlogo ka morago ga 736?

Balela morago ka di-4 go thoma go 800 go fihla go 704. Ke nomoro efe ye e tlogo pele ga 776 ge o balela morago?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Feleletša tatelano ya dinomoro.

704; 708; 712; ____; ____; ____

724; 728; 732; ____; ____; ____



Oketša ka 4 goba o fokotše ka 4.

a. $764 + 4 = 768$

I. Oketša nomoro ye e filwego ka 4. Re go diretše ya mathomo.

b. 764 ____

c. 788 ____

d. 754 ____

e. 718 ____

f. 794 ____



2. Ntšha 4 go nomoro ye e filwego. Re go diretše ya mathomo.

a. $764 - 4 = 760$

b. 768

c. 784

d. 752

e. 714

f. 798

3. Go direga eng ge o oketša ka 4 goba o fokotša ka 4 mo dinomorong tše tša mo godimo?



Lebelela didiko tše talalerata mo go papetla ya dinomoro.

a. O lemoga eng ka ga didiko tše? _____

b. Oketša tatelano ya dinomoro tše di latelago: 711; 715; 719; _____; _____; _____
 703; 707; 711; _____; _____; _____
 773; 777; 781; _____; _____; _____
 783; 779; 775; _____; _____; _____
 799; 795; 791; _____; _____; _____



Ngwala nomoro ya maleba sedikong se sengwe le se sengwe mo methalopalong ye.

a. 701 703 704 705 707 708 709 711 712 713 715 716 717 719 720
 721

b. 741 743 744 745 747 748 749 751 752 753 755 756 757 759 760
 761



Ke na le nomoro ya menotharo.

Mono wa mathomo ke 7, mono wo o latelago o feta 7 ka 1, gomme mono wa mafelelo o fetwa ke 7 ka 3.

Ge o balela pele ka di-4 go tloga go nomoro ye.

Nomoro yeo e ka ba efe? _____



Teacher:
Sign:
Date:

Go atiša le go arola,
ka di-2, di-3, di-4 go fihla go 75



O ka araba tše di latelago ka lebelo le lekaakang?

$1 \times 2 =$ _____	$5 \times 3 =$ _____	$4 \times 2 =$ _____	$10 \times 2 =$ _____
$4 \times 3 =$ _____	$3 \times 2 =$ _____	$2 \times 2 =$ _____	$3 \times 3 =$ _____
$6 \times 4 =$ _____	$4 \times 3 =$ _____	$5 \times 3 =$ _____	$9 \times 4 =$ _____
$6 \times 5 =$ _____	$8 \times 3 =$ _____	$9 \times 4 =$ _____	$8 \times 5 =$ _____
$7 \times 3 =$ _____	$8 \times 5 =$ _____	$2 \times 5 =$ _____	$7 \times 5 =$ _____



Khalara dipoloko tšeo palo ya gona e bago le mašalela.

$12 \div 2 = 6$	$13 \div 3 = 4 \text{ maš } 1$	$15 \div 5 =$ _____	$18 \div 5 =$ _____
$20 \div 4 =$ _____	$23 \div 4 =$ _____	$16 \div 3 =$ _____	$18 \div 3 =$ _____
$25 \div 2 =$ _____	$24 \div 2 =$ _____	$30 \div 2 =$ _____	$29 \div 2 =$ _____
$19 \div 3 =$ _____	$17 \div 3 =$ _____	$31 \div 5 =$ _____	$30 \div 5 =$ _____
$55 \div 5 =$ _____	$52 \div 5 =$ _____	$57 \div 3 =$ _____	$60 \div 3 =$ _____



O tseba bjang gore palo e ka arolega ka:

- 3? Ge o hlakantšha meno,

Mohlala. $72, 7 + 2 = 9$ gomme o ka e arola ka 3. Nomoro ye e arolega ka 3.

- 2? _____
- 5? _____



Arola gomme o lekole karabo ya gago.

$$65 \div 3$$

$$\begin{aligned}
 &= (60 + 5) \div 3 \\
 &= (60 \div 3) + (5 \div 3) \\
 &= 20 + 1 \text{ maš } 2 \\
 &= 21 \text{ maš } 2
 \end{aligned}$$

$$21 \times 3 + 2$$

$$\begin{aligned}
 &= (20 + 1) \times 3 + 2 \\
 &= (20 \times 3) + (1 \times 3) + 2 \\
 &= 60 + 3 + 2 \\
 &= 65
 \end{aligned}$$

a. $49 \div 5$

b. $65 \div 5$



Rarolla tše di latelago:

O swanetše go yo dira dinyakišišo.
O tseba bjang gore palo e ka arolega ka 4?





Di-eng tša dilo tša mahlakoretharo



Lebelela diswantšho.

Bolela ka ga mabokagodimo a dilo, o šomiša mantšu a go swana le bopapetla le modikelela..

Dibolo



Mapokisi



Silintere



Diphiramiti



Dikhounu



Lebelela diswantšho gomme o feleletše mafoko le dipotšišo.



a. Bolo

_____.



b. Ke ka lebaka la eng bolo e sa relele?

_____.



c. Silintere

_____.



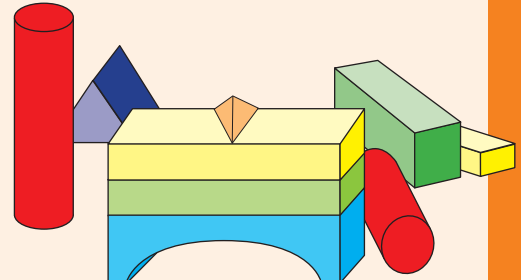
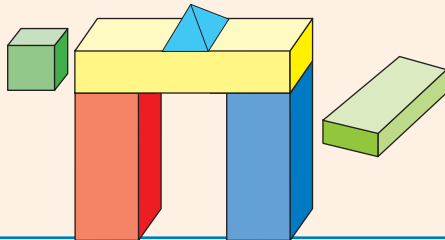
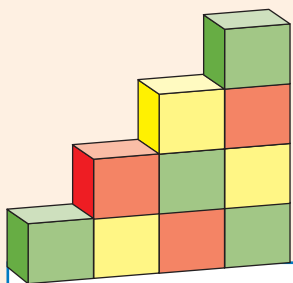
d. Na silintere le yona e ka relele?

_____.



Bolela dilo tše di šomišwago
seswantšhong se sengwe le se sengwe.

O swanelwa fela ke go bolela selo se sengwe gatee. Bolela ge eba selo seo se
ka kgokologa goba sa thedimoga.





Bolela ge eba dinomoro tša mahlakoretharo di na le
bokagodimo bja bopapetla goba bja modikelela.



--

--

--



Thala tše di latelago:

Lepokisi le le lekanetšego godimo ga silintere.
--

Bolo ye e lekanetšego godimo ga silintere.

Silintere se se lekanetšego godimo ga lepokisi.
--



Teacher:
Sign:
Date:

Dipalophatlo tša diripana tša didirišwa

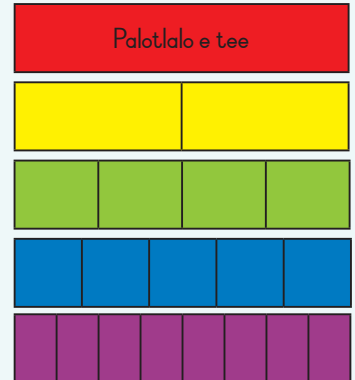
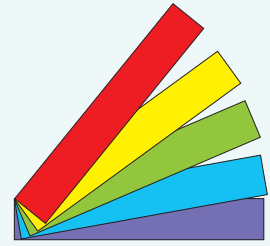
Materiale: diripana tše 5 tša pampiri ka mebala ya go fapana, Sekero, Diphensele goba Dikrayone.



Dira sedirišwa Papetlasegwa ya 5

Godimo ga seripana se tee ngwala mantšu a. "Palotlalo e tee"

Tšea seripana se sengwe o se mene ka tlhokomelo, se be seripagare. Ka morago o se bule. O na le dikarolo tše kae tša go lekana? Ngwala $\frac{1}{2}$ godimo ga seriapagare se sengwe le se sengwe gomme o sege go latela mameno. Tšea seripana sa boraro gomme o se mene se be seripagare, ka morago o se mene gore se be seripagare. Se bule. O na le dikarolo tše kae tša go lekana? Ngwala $\frac{1}{4}$ go lemeno le lengwe le le lengwe la bone gomme o sege go latela mameno. Bjale leka go dira mesetho ye mengwe ye mene, o tee o laetša dihlano, gomme wo mongwe diseswai.



Šomiša palophatlo ya diripana tša sedirišwa gore se go thuše go araba dipotšišo.



Ke diteeseswaing tše kae
tše di dirago palotlalo?



Ke diteeseswaing tše kae
tše di dirago palotlalo?

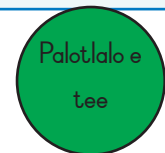


Dipalophatlo mo go mothalopalo.

Seripana se laetša palotlalo e tee.



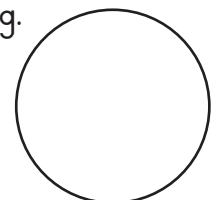
Sediko se bontšha palotlalo



Arola seripana ka diteetharong.

Arola sediko ka diteetharong.

Khalara teetharong e tee.

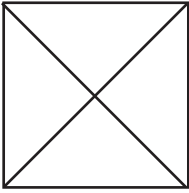


Khalara teetharong.

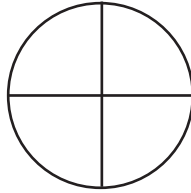


Bjale khalara tše di latelago.

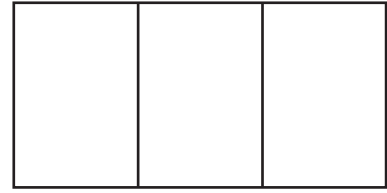
Seripagare se tee



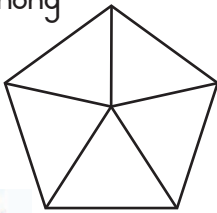
Tharonneng



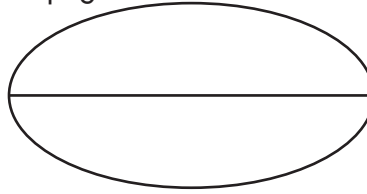
Peditharong



Nnehlanong



Seripagare se tee



Tharonneng



Thala tše di latelago:

Tharonneng o šomiša sekwere.

Seripagare se tee o šomiša sediko.

Peditharong o šomiša khutlotharo.

Nnehlanong

Dinneseswaing o šomiša sekwere.

Teetharong o šomiša khutlonnethwi.



Lokiša didirišwa tša gago.

- Sega se sengwe le se sengwe sa didiko tše 6 mo go Sesegwa sa 6.
- Sega tše hlano tša didiko e be diripana go bapa le methalo.
- Phara setlankana godimo ga seripana se sengwe le se sengwe:
 - o Ka lehlakoreng le tee ngwala palophatlo ya palotlalo ya iri.
 - o Ka lehlakoreng le lengwe ngwala palo ya metsotso mo go palophatlo yeo.



Teacher: _____
Sign: _____
Date: _____

Dipalophatlo go tšwela pele



Ngwala Ee goba Aowa.

- Seripagare ke seripagare sa palotlalo
- Seripagare sa seripagare ke kotara
- Kotara ke seripagare sa seripagare
- Seripagare le dikotara tše pedi di dira palotlalo
- Seripagare le kotara di dira tharonneng



Abaganang phaye.

Reabetšwe, Phuki, Rati le Lisa ba abagana phaye e tee.



- a. Ke swerwe ke tlala!
Ke nyaka seripagare

Reabetšwe



Thala karolo ya Reabetšwe.

- b. Go lokile! Nna ke tla
tšea kotara.

Phuki



Thala karolo ya Reabetšwe le ya Phuki.

- c. Ke tla tšea seripagare sa
seo se šetšego.

Rati



Thala karolo ya Reabetšwe, ya Phuki le ya Rati.

- d. Ke phaye ye kaakang ye e
šaletšego nna?

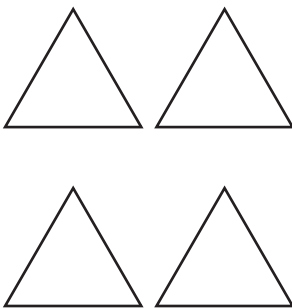
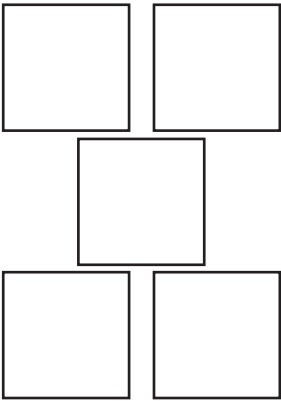
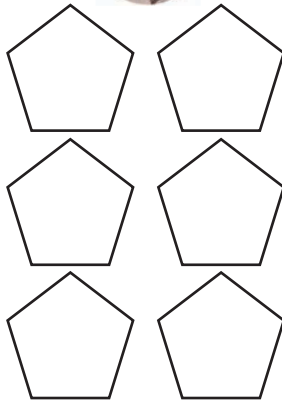
Lisa



Thala dikarolo ka moka tša phaye.



Abaganya dibopego magare ga bana ka go thala mothalo gomme o e khalare.

 	 	 	 
--	--	--	--



Bagwera ba 4 ba abagana dikotana tša malekere tše 5 ka go lekana.

Yo mongwe le yo mongwe o tla hwetša tše kae?

Karabo ke eng?

Dinomoro ke dife?

Thala seswantšho.

Bagwera ba batshela ba abagana dikotana tša malekere tše 9 ka go lekana

Yo mongwe le yo mongwe o tla hwetša tše kae?

Karabo ke eng?

Dinomoro ke dife?

Thala seswantšho.



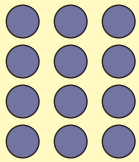
Teacher:

Sign:

Date:

Go abagana go tliša dipalophatlo

Dibaledi tše 12
šedi.



Re bagwera ba babedi. Re na le setšhelo
se tee fela se se arotšwego ka bogare.

Re re se ke
seripagare

Re re se ke
seripagare

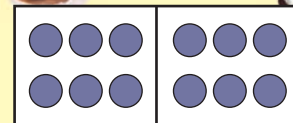




Re abagana dibaledi tše lesomepedi
magareng ga bobedi bja rena.

Ke hweditše
dibaledi tše tshela

Ke hweditše
dibaledi tše tshela



Thala seswantšho sa tše di latelago gomme o
arabe dipotšišo.

Dibolo tše senyane di aroletšwe bagwera ba
bararo.



- Mosetsana yo mongwe le yo mongwe
o tla hwetša dibolo tše kae?
- Mosetsana yo mongwe le yo mongwe
o tšile go hwetša palophatlo efe?

Dibolo tše lesomepedi di aroletšwe bagwera ba
bane. Ba bararo ba bagwera ke bašemane.

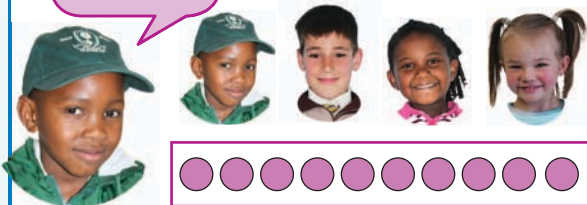


- Mosetsana yo mongwe le yo mongwe
o tla hwetša dibolo tše kae?
- Mošemane yo mongwe le yo mongwe
o tšile go hwetša palophatlo efe?



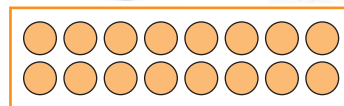
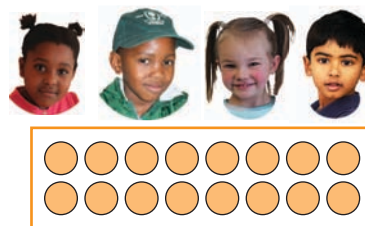
Motswaledi o tla hwetša palophatlo efe?
Lisa o tla hwetša palophatlo efe?

Ke nna
Motswaledi



- Motswaledi le Lisa ba tla hwetša dibolo tše kae?

Ke nna Lisa



- Motswaledi le Lisa ba tla hwetša dibolo tše kae?



Go abagana malekere.

Bagwera ba abagana malekere. Yo mongwe le yo mongwe o hwetša seripagare sa sephuthelwana $\frac{1}{2}$ (seripagare).

a. Ba swanetše go abagana diphuthelwana tše kae:

Bagwera ba 4 _____ Bagwera ba 6 _____ Bagwera ba 9 _____

b. Go tla abagana bagwera ba bakae?

Diphuthelwana tše 4? _____ Diphuthelwana tše 10? _____

Diphuthelwana tše $3\frac{1}{2}$ _____



Dikhethe tša go bina.

Bomma le bokoko ba roka dikhethe tša go bina.

Ba swanetše go hwetša dimetara tše kae tša mašela a sekhethe se tee $2\frac{1}{2}$

Lešela le bitša R6 metara.



a. Ba tla roka dikhethe tše kae?

5 m _____ 10 m _____

20 m _____ 25 m _____

b. Ba swanetše go hwetša lešela le lekaakang go roka:

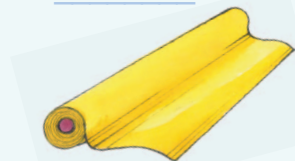
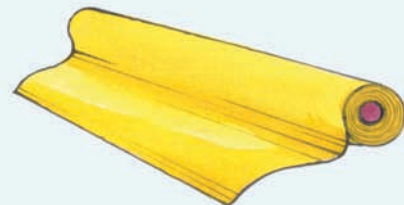
Dikhethe tše 2 _____ Dikhethe tše 3 _____ Dikhethe tše 4 _____

c. Lešela le ja bokae go roka:

Sekhethe se 1 _____ Dikhethe tše 2 _____ Dikhethe tše 3 _____

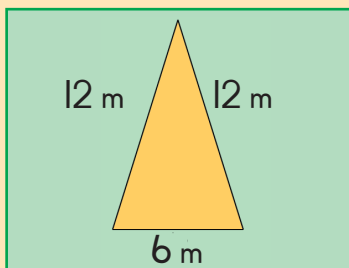
d. Ba ka dira dikhethe tše kae ka:

R450 _____ R825 _____ R180 _____



Bokgole go dikologa

Lentšu le modiko/parametha le ra botelele goba bokgole go dikologa selo.



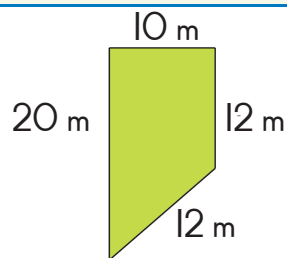
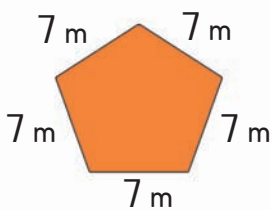
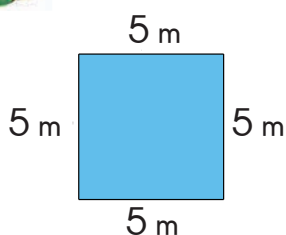
Rapolasa o na le poloto ya sebopego sa khutlotharo.

Re ka hwetša modiko wa poloto ka go hlakantšha botelele bja mathoko.

$$\text{Perimetha/modiko} = 12 \text{ m} + 12 \text{ m} + 6 \text{ m} = 30 \text{ m}$$



Hwetša mediko ya tše di latelago.



Serapana sa Veronica.

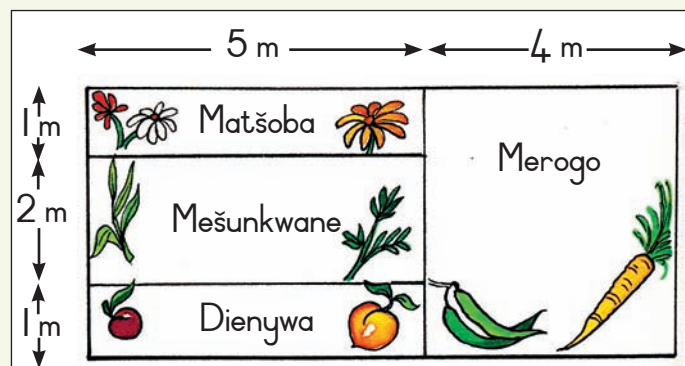
Veronica o thala seswantšho sa serapana se a nyakago go bjala go sona.

a. Modiko wa area mo a nyakago go bjala mešunkwane ya gagwe ke bokae? _____

b. Ke dikarolo dife tšeo mediko ya tšona e lekanago? Modiko wa tšona ke bokae?

_____ le _____ di na le modiko wa dimetara tše _____ m.

c. O swanetše go ba le legora go dikologa serapana ka moka. Go dira legora ke R50 metara o tee. Legora le tla bitša bokae? _____





Rulaganya serapana sa gago.

Šomiša pampiri ya kriti go tšwa go Sesegwa sa 7 go rulaganya serapana sa gago. Laetša bogolo ka moka le dibjalwa tšeo o nyakago go di bjala.



Didiko tša go meta.

Šoma le molekane.

Dimateriale: Dilo tše IO tša kgokolo tša bogolo bja go fapana bjalo ka poleiti, galase, theipi ya go mamaretša, sekhurumelo sa lepotlelo, thapo le sekero.

1. Kgetha se tee sa dilo tša ntikodiko gomme o mete ka lenti.
2. Ripa botelele bja lenti, botelele bjo bo lekanago go dikologa selo.
3. Bjale tšea thapo yona yela gomme o e ngange, e putle bokagodimo bja sediko. Bala, o lebelele gore e lekana go putla gaka.
4. Dira bjalo ka dilo tša ntikodiko.
5. Ngwala gore o lemoga eng.



Botelele go dikologa ntikodiko bo bitšwa sedika.



Bokgole go putla sediko bo bitšwa molagare.



Go gweba ka tšhelete

Raloka dipapadi tše le mogwera wa gago.

Materiale:

RIOO

RIO

RI

IOc

Ic



RIOO	RIO	RI	IOc	Ic

Papetla ya tšhelete (Sesegwa sa 9), pampiri phensele, mataese a mabedi, tšhelete ya go raloka (go tšwa go sesegwa sa RIO: RIOO le RIO tša pampiri, RI, IOc le Ic: dikhoine.

Bea papetla ya tšhelete godimo ga tafola.

Papetla e na le dikarolo tše 5, go tšwa go la ngele go ya go la mmagoja.

RIOO, RIO, RI, disente tše IO le sente e I. Mo go papadi ye, re šomiša fela dikholomo tše 3 tša mathomo.



Hlakantšha go fihla go RIOO.

1. Moraloki yo mongwe le yo mongwe o hwetša sebaka sa go kgokološa letaese. Hlakantšha dipalo tše pedi.
2. Tšea palo yela ya diranta tša dikhoine o di bee karolong ya diranta mo go papetla.
3. Ge o na le RI ya dikhoine o swanetše go gweba ka tšona gore o hwetše RIO ya pampiri.

$$\begin{matrix} \text{RI} & \text{RI} & \text{RI} & \text{RI} & \text{RI} & \text{RI} \\ \text{RI} & \text{RI} & \text{RI} & \text{RI} & \text{RI} & \text{RI} \end{matrix} = \text{RIO}$$

4. Yo e lego wa mathomo go hwetša RIO ya pampiri gomme a gweba ka tšona gore a hwetše RIOO ya pampiri, ke yena mofenyi.

$$\begin{matrix} \text{RIO} & & \text{RIO} & & \text{RIO} \\ \text{RIO} & & \text{RIO} & & \text{RIO} \\ \text{RIO} & & \text{RIO} & & \text{RIO} \\ \text{RIO} & & \text{RIO} & & \text{RIO} \end{matrix} = \text{RIOO}$$

5. **Dikotlo:** Ge moraloki a feditše nako ya gagwe ya go raloka gomme a lebala go gweba ka RIO ya dikhoine gore a hwetše RIO ya pampiri gomme moraloki yo mongwe a lemoga phošo yeo, kotlo ke RI. Ge moraloki a ka lebala go gweba ka RIO ya pampiri gore a hwetše RIOO ya pampiri, o swanetše go lefa moraloki yo mongwe yoo ka RIOO.



Ntšha go tloga go R100 go fihla go RO.

Raloka yona thaloko yeo, fela o thome ka RIO ya pampiri, gomme o ntšhe tšhelete ye e lekanago le palo ya dinomoro tše di lego mo letaeseng. Moraloki yo a fihlago go RO ke yena mofenyi.

R100	R10	R1	10c	1c



Go hlakantšha le go ntšha go fihla go R1 000.

Hlakantšha palo ye e lego mo letaeseng ka makga ka moka, gomme o tšee palo ya di R10 tša pampiri. Wa mathomo wa go fihlelela R1 000 ke yena mofenyi. Goba thoma ka R1 000, gomme lekgeng le lengwe le lengwe ntšhe. Moraloki wa mathomo go fihlela RO o ba mofenyi.



Go hlakantšha go fihla go R1.

Raloka go swana le mo papading ya mathomo, ka ntle le gore bjale ge o kgokološa letaese gomme wa hwetša palo tšea palo ya letaese ka di 1c tša dikhoine, ge o na le disente tše 10 tša dikhoine di tšhentšhe o tšee 10c ya khoine. Wa mathomo yo a ka tšhentšhago di 10c tše 10 tša dikhoine a hwetša Khoine ya R1 ke mofenyi.



Ntšha disente.

Thoma ka R1, gomme o ntšhe papading ye nngwe le ye nngwe. Wa mathomo wa go hwetša 10c ke mofenyi.



Teacher: _____
Sign: _____
Date: _____

A re ye mabenkeleng!



Go rekišwa dikuane ka thekotlase!

Lebenkele le rekiša dikuane ka ditheko tše 5 tša go fapana.



							Dipalomoka
Kuane a 	R20	R20	R20	R20	R20	R20	R120
Kuane b 	R25	R25	R25	R25	R25	R25	
Kuane c 	R50	R50	R50	R50	R50	R50	
Kuane d 	R75	R75	R75	R75	R75	R75	
Kuane e 	R100	R100	R100	R100	R100	R100	

- Hwetša poreisi ya dikuane mothalong wo mongwe le wo mongwe.
- Motswaledi o reka e 1 mohuteng wo mongwe le wo mongwe wa dikuane. O di lefela bokae ge di kopane? _____
- Boati o šomiša R450 ka moka. O reka kuane e tee ka R100.
O reka dikuane dife tše dingwe? Bontšha dikarabo tše pedi tše di kgonagalago.

Lekola!
Bapetša!
Lokiša!

Karabo 1	Karabo 2



Kua lepakeng.

Tumišo o šomiša motswako wo go paka khhekhe ya sepontšhe.



Motswako wa khhekhe ya sepontšhe

Motswako wa khhekhe: 40 g ya folouru ya go ikokomogela; 3 mae; 50 g aeing šuka

Tša go tsenywa gare

a. Hwetša gore Tumišo o swanetše go ba le dilo tše kaakang gore a pake dikhekhe tše 6.

Khekhe	Folouru	Mae	Swikiri	Khirimi
1	40 g	3	50 g	140 ml
2				
3				
4				
5				
6				

b. Swaya karabo ya maleba ka (✓).

Litara e 1 ya khirimi e ka lekana dikhekhe tše ka bago tše: dikhekhe tše 10; dikhekhe tše 7; dikhekhe tše 8.



Dipalo tša ka pela.



$10 \times 7 =$	$10 \times 70 =$	$5 \times 7 =$	$5 \times 70 =$	$70 \times 2 =$
$12 \times 4 =$	$12 \times 8 =$	$6 \times 16 =$	$5 \times 9 =$	$50 \times 9 =$
$15 \times 3 =$	$15 \times 6 =$	$10 \times 4 =$	$8 \times 4 =$	$18 \times 4 =$



Teacher:
Sign:
Date:

Tše dingwe gape ka ga difiwa



Seteišene sa maphodisa.

Maphodisa a mahlano a dira mešomo ya go fapana. Bjale ba kae maphodiša?

	Ba teskeng	Ba a patrola	Ba ka kgorong ya tsheko
Serufe			x
Maria	x		
Sam	x		
Amos		x	
Dudu			x

Ngwala maina a bao ba: Lego teskeng. _____

Patrolang. _____

Lego ka kgorong ya tsheko. _____



Yo a lego makhutšo.

Dikolo tše hlano di phadišana go bona gore ke sefe seo se ka bjalo mehlare ye mentsintši ka letšatši la go bjala mehlare.



= 10 mehlare

Makgoka	       
Thune	     
Lehlabile	        
Sehlomola	   
Mankweng	       

Dikolo di bjetše mehlare ye mekae ge di hlakane?

Mankweng	Lehlabile	Makgoka	Sehlomola	Thune

Dikolo di bjetše mehlare ye mekae ge di hlakane? _____



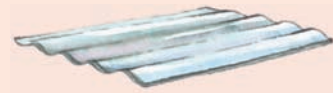
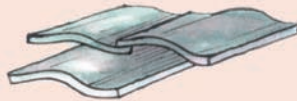
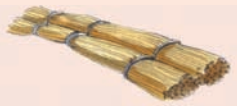
Tlhaka ya mohuta mang?

Ba Mphato wa 3 ba dira dinyakišišo kua motseng wa bobona.

Ba nyaka go bona gore go na le mehuta ye mekae ya ditlhaka mo dintlong tša go fapana.

Ba laetša dipelo tša bona mo polokong ya dikrafo.

Ba thala leswao (✓) ntlong ye nngwe le ye nngwe yeo ba e bonago.



Dithaele	✓	✓	✓	✓	✓	✓					
Tlhaka ya bjang	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dikota	✓	✓	✓	✓	✓	✓	✓	✓			
Masenke	✓	✓	✓	✓	✓	✓	✓	✓	✓		

O bone mehuta ye mekae ya ditlhaka?

Dithaele _____ Tlhaka ya bjang _____ Dikota _____ Masenke _____

Ke mohuta ofe wa tlhaka wo o rategago kudu? _____

Ba bala ditlhaka tše kae ge di hlakana? _____



Bogolo bja dikuane.

Bašemane sekolong sa Thune ba rwala dikuane tša sekolo.

Dikuane di tla ka bogolo bja 2, 3 le 4.

2	2	3	2	3	4	4	3	2	3	2	3
4	2	2	3	3	3	2	2	2	3	4	4
2	3	2	3	4	2	4	4	3	4	2	2
2	2	3	3	3	4	2	2	2	3	3	4
4	2	2	2	3	4	2	4	4	3	2	



Bala gore ke barutwana ba bakae bao ba rwalago kuane ya bogolo bjo bongwe le bjo bongwe.

2 _____ 3 _____ 4 _____

Ke kuane efe ye e rategago kudu? _____

Lekola!
Bapetša! Lokiša!

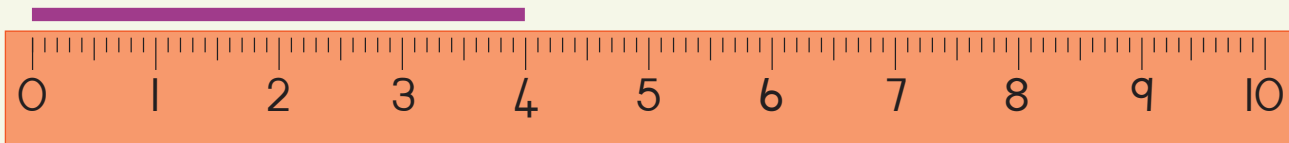


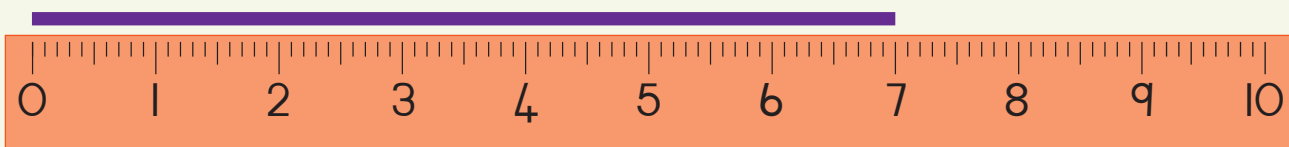
Go šoma ka dikilometara

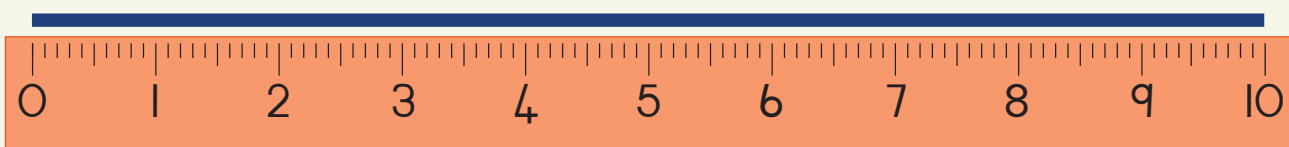
Kotara ya 4



Mothalo wo o khalarilwego ke wo mokae ka botelele?









Thoma ka go akanya ka morago o mete methalo.
Feleletša lenaneo.

Mothalo	Go akanya	Go kala	Phapano magareng ga go akanya le go kala
			
			
			
			



Šomiša rula go thala methalo ye e latelago.

a. 10 cm

b. 7 cm

c. 15 cm



Bolela ge eba o tla lekanya tše di latelago ka dimetara goba ka di sentimetara.

- Botelele bja puku _____
- Botelele bja lebatl _____
- Botelele bja phensele _____
- Botelele bja gago _____
- Botelele bja monwana wa gago _____

Gopola mantšu a makopana (dikhutsofatšo) ao re a šomišago go ngwala sentimetara (cm), le metara (m).



Mo ngwageng o šomišitše diphensele tša gago tša go khalaria. Botelele bja diphensele tša gago e be e le disentimetara tše 15 pele o di šomiša.

Ka morago ga ge o e šomišitše, phensele ya gago ye khubedu, botelele bja yona ke disentimetara tše 7, ye talalerata tše 5, ye talamorogo tše 6, ye serolane tše 11, ye phepholo tše 12, ya mmala wa namune tše 9, ye tsotho tše 14, ye ntsho tše 8, ye pinki tše 13, gomme ye tšhweu, tše 15.



- Ke phensele efe ye o e šomišitšego go feta? _____
- Ke phensele efe ye o e šomišitšego gannyane? _____
- Ngwala botelele bja diphensele tša gago go tloga go ye kopana go feta, go ya go ye telele go feta? _____



Dinomoro 700 go fihla go 800

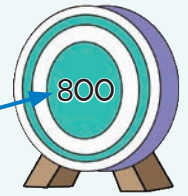
Kotara ya 4



Bala o be o ngwale.

- a. Šomiša papetla ye e latelago go go thuša go bala go tloga go 700 go fihla go 800. Balela dinomoro godimo ge o dutše o bala

700



701			704						710
							718		
	722								
					736				
741								749	
							758		
		773							
							788		790
	792			795					800

- b. Ngwala dinomoro tše di tlogetšwego mo go kriti ya mo godimo.
c. Ngwala dinomoro tše 10 tše di tloga ka morago ga 750.

750; _____; _____; _____; _____; _____; _____; _____; _____; _____

- d. Ngwala dinomoro tše 8 tše di latelago mo patroneng ya di-2.

762; 764; 766; _____; _____; _____; _____; _____; _____; _____

- e. Ngwala dinomoro ka moka mo patroneng ya di-2 go tloga go 751 go fihla go 773.

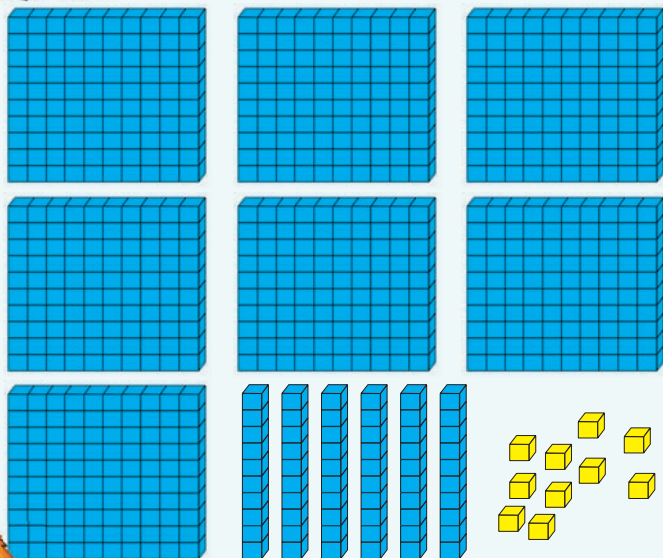
751; _____; _____; _____; _____; _____; _____; _____; _____; _____; 773

- f. Ngwala dinomoro tše 8 tše di latelago mo patroneng ya di-5.

751; 756; 761; _____; _____; _____; _____; _____; _____; _____



O bala dipoloko tše kae?



O badile dipoloko bjang?



Feleletša methalopalo.

750			753				757		759	
							789	786	788	
					753	756	759			



Feleletša lenaneo.

Ngwala go tloga go ye
nnyane go feta go fihla go
ye kgolo go feta

Ngwala go tloga go ye
kgolo go feta go fihla go
ye nnyane go feta

776, 772, 779, 770, 778		
736, 703, 730, 713, 703		



Ngwala nomoro ye e latelago ka mantšu.

788	
-----	--



Teacher: _____

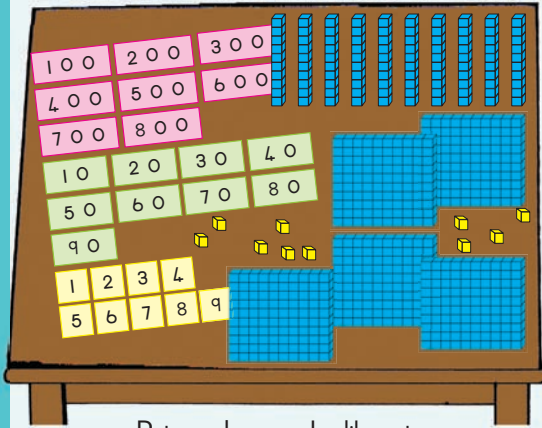
Sign: _____

Date: _____

Dinomoro tše di oketšegilego: 700 go fihla go 800

Letšatšikgwe:

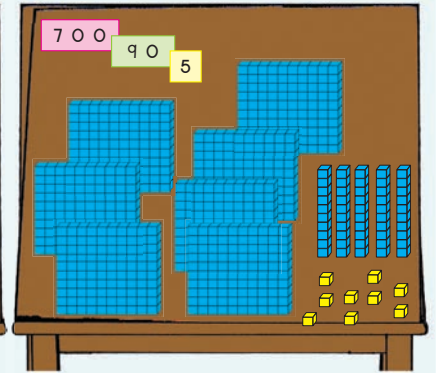
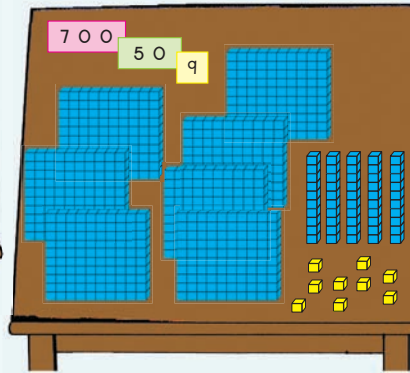
Kotara ya 4



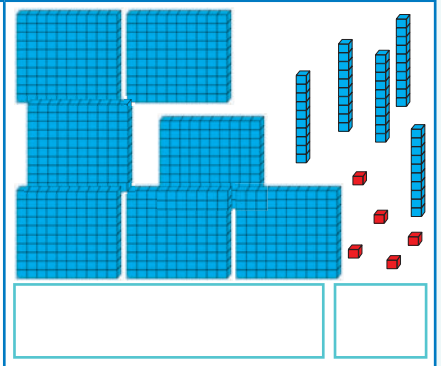
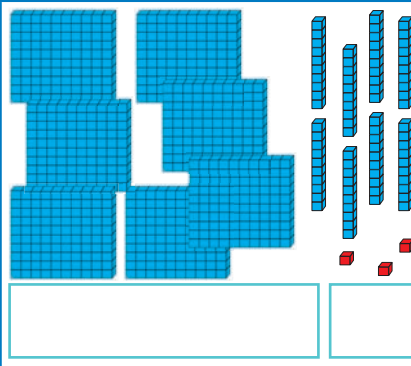
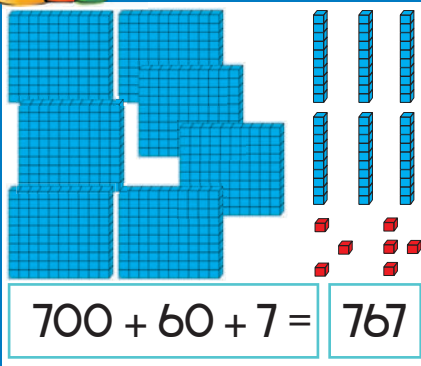
Peter o be a na le dikarata tša kemapalo ye e latelago, le dipoloko tša matheo tša 10.

Morutiši o kgopela Peter gore a laetše 759 ka dikarata le dipoloko tša gagwe.

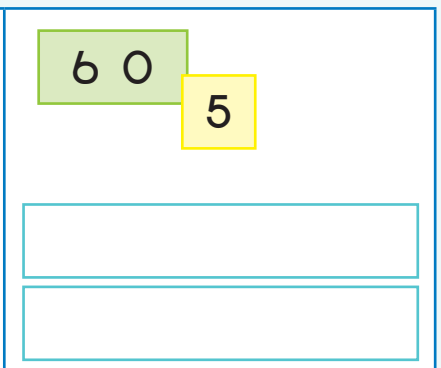
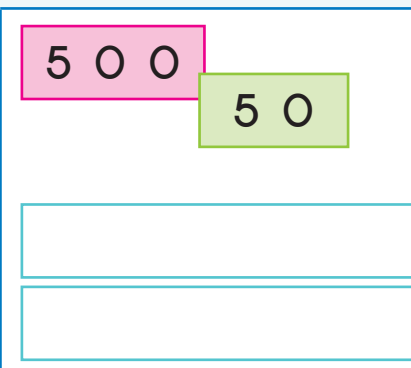
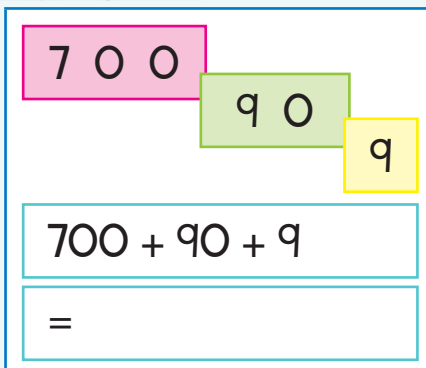
Se ke se Ben a se laeditšego. O šaeditše eng?



Ngwala lefokopalo, ka morago o ngwale karabo.



Ngwala lefokopalo, ka morago o ngwale karabo.





Feleletša mothalo palo.

789	790	791								799
-----	-----	-----	--	--	--	--	--	--	--	-----

Ngwala dinomoro ka moka tše di lego tše nnyane go 795. _____

Ngwala dinomoro ka moka tše di fetago 795. _____



Ngwala $< \text{goba} > \text{goba} =$

a. 799 _____ 766 b. 745 _____ 750

c. $700 + 90 + 7$ _____ 767



Aroganya nomoro ya gago.

a. Aga nomoro ye nngwe le ye nngwe ka dikarata tša gago.

b. Ngwala boleng bja mono wo mongwe le wo mongwe. Bjale, dira tše: Aroganya nomoro ya gago.

790	
689	
699	
755	
690	

Mohlala: 799

7 0 0

9 0

9

7 9 9

799

$700 + 90 + 9$



Ngwala mainapalo.

668	
757	
799	
742	
691	



Teacher: _____
Sign: _____
Date: _____

Dinomoro: 800 go fihla go 900



Bala, gape o ngwale.

a. Balela pele go tloga go 800 go fihla go 900.

Balela dinomoro ge o dutše o tšwela pele.

800



801			804					810
						818		
	822							
				836				
841							849	
						858		
		873						
						888		890
	892			895				900

b. Ngwala dinomoro tše di tlogetšwego mo go kriti ya mo godimo.

c. Ngwala dinomoro tše 10 tšeo di tloga ka morago ga 800.

800; _____; _____; _____; _____; _____; _____; _____; _____; _____

d. Ngwala dinomoro tše 8 tše di latelago ka patrone ya di-2.

852; 854; 856; _____; _____; _____; _____; _____; _____; _____

e. Ngwala dinomoro ka moka ka patrone ya di-2 go tloga go 807 go fihla go 829.

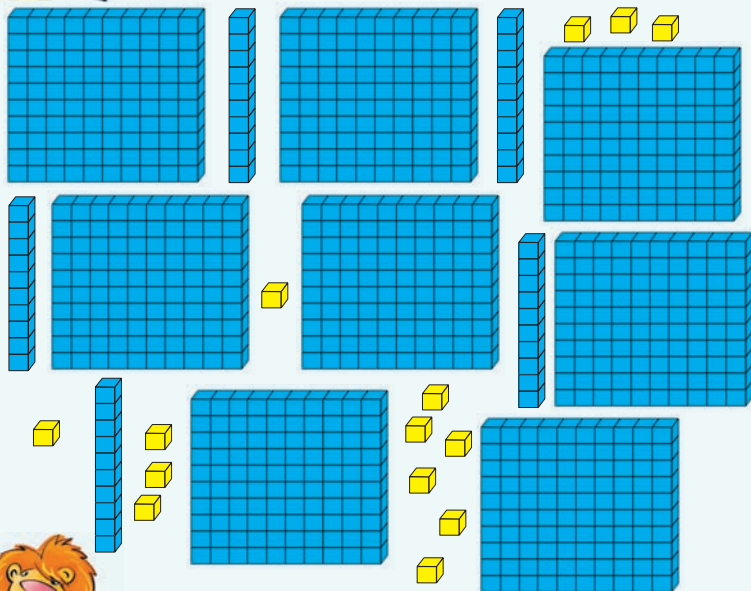
807; _____; _____; _____; _____; _____; _____; _____; _____; _____ 829

f. Ngwala dinomoro tše 8 tše di latelago ka patrone ya di-5.

834; 839; 844; _____; _____; _____; _____; _____; _____; _____



O bala dipoloko tše kae?



O badile dipoloko bjang?



Feleletša methalopalo.

830			833				837	838		
							876	881	886	
					843	846	849			



Feleletša lenaneo.

Ngwala go tloga go ye nnyane go feta go fihla go ye kgolo go feta

Ngwala go tloga go ye kgolo go feta go fihla go ye nnyane go feta

856, 853, 855, 851, 857		
898, 801, 810, 819, 891		



Ngwala nomoro ye e latelago ka mantšu.

845



Teacher:

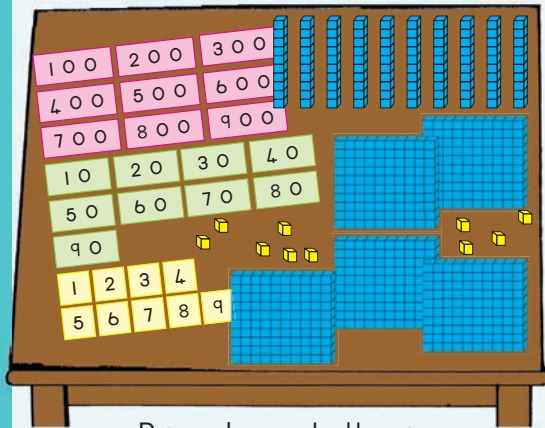
Sign:

Date:

Dinomoro tše di oketšegilego: 800 go fihla go 900

Letšatšikgwele:

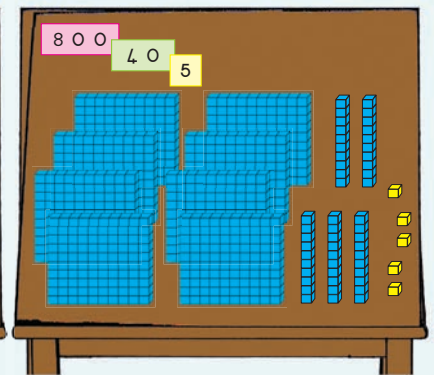
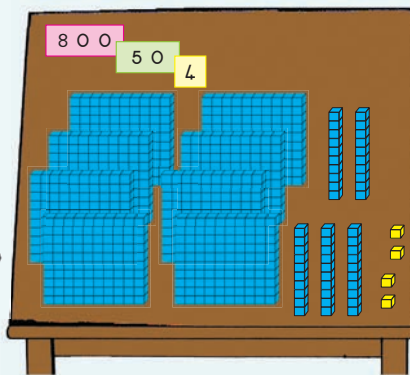
Kotara ya 4



Peter o be a na le dikarata tša kemapalo ye e latelago, le dipoloko tša motheo tša 10.

Morutiši o kgopela Peter gore a laetše 854 ka dikarata le dipoloko tša gagwe.

Se ke se Ben a se laeditšego. O šaeditše eng?



Ngwala lefokopalo, ka morago o ngwale karabo.

800 + 80 + 5 = 885



Ngwala lefokopalo, ka morago o ngwale karabo.

800 + 50 + 2 =



Feleletša mothalo palo.

889	890	891									900
-----	-----	-----	--	--	--	--	--	--	--	--	-----

Ngwala dinomoro ka moka tše di lego tše nnyane go 894. _____

Ngwala dinomoro ka moka tše di fetago 894. _____



Ngwala $< \text{goba} > \text{goba} =$

a. 899 _____ 898

b. 802 _____ 820

c. $900 + 70 + 5$ _____ 785



Aroganya nomoro ya gago.

a. Aga nomoro ye nngwe le ye nngwe ka dikarata tša gago.

b. Ngwala boleng bja mono wo mongwe le wo mongwe. Bjale, dira tše: Aroganya nomoro ya gago.

890	
889	
802	
855	
840	

Mohlala: 876

8 0 0

7 0

6

8 7 6

876 $800 + 70 + 6$



Ngwala mainapalo.

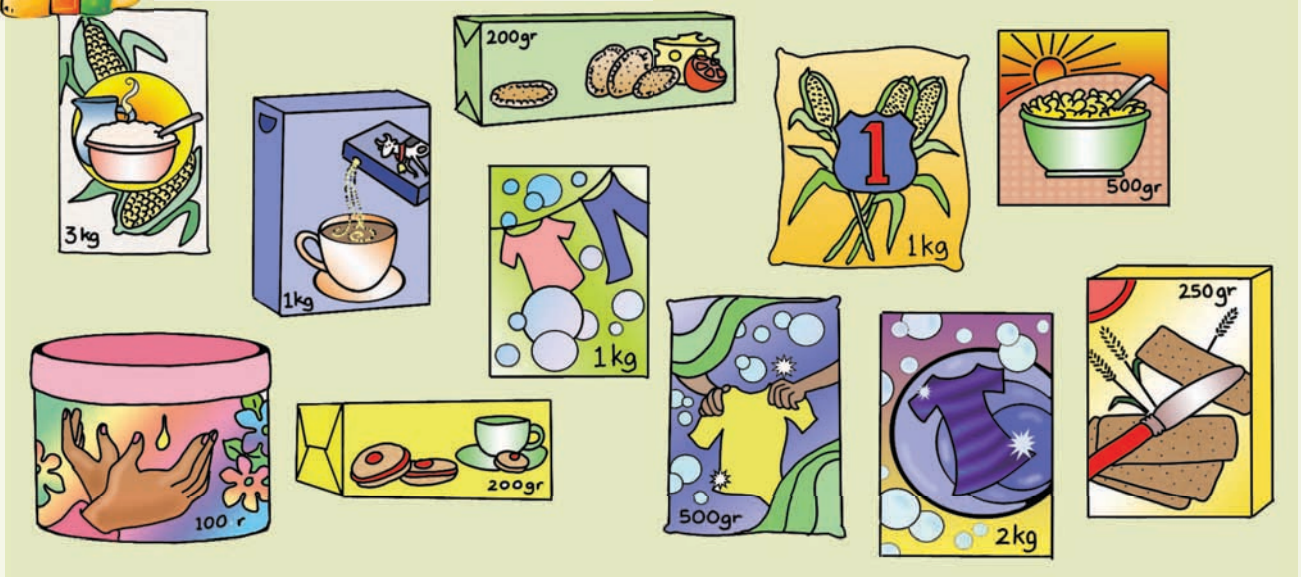
889	
825	
803	
830	
899	



Teacher: _____
Sign: _____
Date: _____



Lebelela diswantšho tše di latelago gomme o ngwale dikarabo.



- Bupi bja go hlatswa bja 1 kg bo bofebo goba bo boima go feta bja 2 kg?
- Ye bofebo ke efe: siriele ya difihlolo ya 500 g goba dibiskiti tša 200 g?
- Ye boima ke efe: Khirimi ya go tlola ya 100 g goba phakete ya setampa ya 1 kg?



Re kala bokae ka moka ge re hlakane?

Nna ke kala 25 kg, mogwera wa ka 29 kg gomme morwarre 45 kg.



Ditšweletšwa di imela bokae ge di hlakane?

Setšweletšwa sa mathomo se imela 1 kg 500 g, Setšweletšwa sa bobedi se imele 3 kg 500 g, Setšweletšwa sa boraro se imela 2 kg 500 g.



Lebelela diswantšho gomme o arabe dipotšišo.



Na nka ngwala bjang 3,5 kg e le di-kg le di-g?



Feleletša lenaneo.

Morutiši wa gago o tla go fa dilo tše 5 gore o di lebelele. Lekanyetša boima bja tšona gomme o di kale.

Selo	Tekanyetšo: (estimation)	Tekanyo: (measurement)	Phapano magareng ga tekanyetšo le tekanyo.



Na ditšweletšwa di imela bokae ge di hlakane?

Setšweletšwa sa mathomo se imela 2 kg 500 g. Setšweletšwa sa bobedi se imela 1 kg 500 g, Setšweletšwa sa mafelelo se imela 3 kg 500 g.



Teacher: _____
Sign: _____
Date: _____

A re kaleng go ya pele

Bontši ke tekanyo ya gore boselo ke bjo bokaakang ka gare ga selo.

Boselo ge bo le bjo bontši; go ba bothata kudu go bo šuthiša.

Boima ke kelo ya maatla ao a gogelago dilo go ya bohlakanelong.

Maatla a go gogela bohlakanelong ke a mannyane kua ngweding.

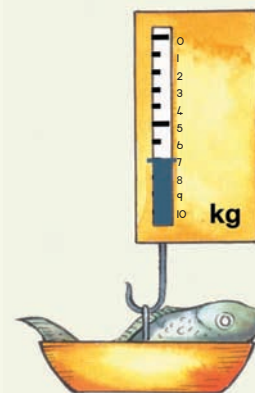
Re kala bontši/bogolo bja boima ka **dikilogramo** le **digramo**.

Dikala tša go fapana

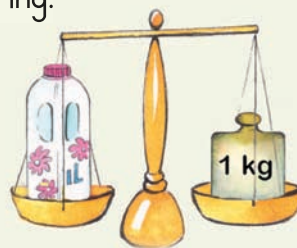
Re šomiša dikala tša go fapana go kala bontši le boima.

Re kala bontši ka sekala, gomme, boima ka sekala sa seporing.

Litara ya meetse e na le bogolo bja boima bja 1 kg.



Hlapi e na le boima bja 3 kg.

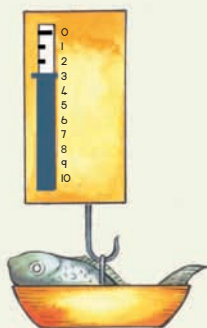


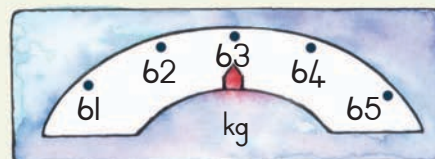
Hwetša boima.

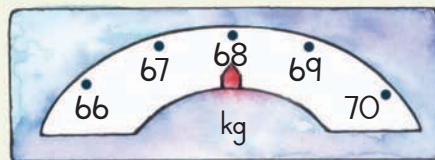
Ngwala boima bjo bo laetšwago ka dikilogramo mo go se sengwe le se sengwe sa dikala tša seporing.

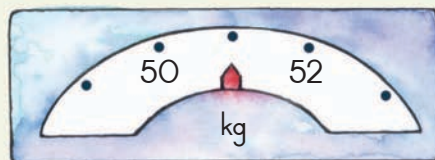










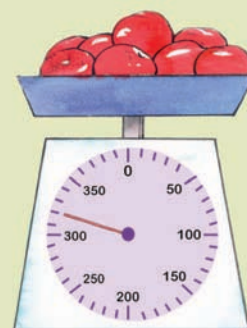




Re šomiša digramo go kala bontši bja boima bja dilo tše nnyane goba tše bofelo, le go kala dipalophatlo tša dikilogramo.

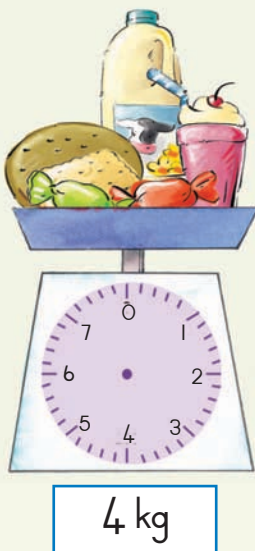
$$1\ 000\text{ g} = 1\text{ kg}$$

Mo sekaleng se sa seporing, mothalo wo mongwe le wo mongwe o emela boima bja 10 kg. Ditamati di imela digramo tše 320.



Di imela digramo tše kae?

Thala moo lerumo mo sekaleng le swanetšego go ya gona ka dinako tšohle.



Thala moo lerumo, mo sekaleng le swanetšego go ya gona ka dinako tšohle.

Hlakantšha o oketše o dire 1 kg (1 000g).

- $125\text{ g} + 250\text{ g} + 125\text{ g} + \underline{\hspace{2cm}}\text{ g} = 1\ 000\text{ g} (1\text{ kg})$
- $50\text{ g} + 30\text{ g} + 240\text{ g} + 60\text{ g} + 100\text{ g} + \underline{\hspace{2cm}} = 1\text{ kg}$
- $57\text{ g} + 46\text{ g} + 243\text{ g} + 334\text{ g} = \underline{\hspace{2cm}} = 1\ 000\text{ g} (1\text{ kg})$
- $50\text{ g} + 90\text{ g} + 160\text{ g} + \underline{\hspace{2cm}} = 1\ 000\text{ g} (1\text{ kg})$



Teacher: _____
Sign: _____
Date: _____

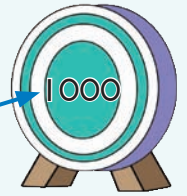
Dinomoro 900 go fihla go 1 000



Bala gomme o ngwale.

- a. Šomiša papetla ye e latelago go go thuša go bala go tloga go 900 go fihla go 1 000. Balela dinomoro godimo ge o dutše o bala.

900



901		903							910
								919	
		943					948		
981									
991								999	

- b. Ngwala dinomoro tše di tlogetšwego mo go kriti ya mo godimo.
c. Ngwala dinomoro tše 10 tše di tloga ka morago ga 900.

900; ____; ____; ____; ____; ____; ____; ____; ____; ____

- d. Ngwala dinomoro tše di latelago tše 8 ka patrone ya di-2.

946; 948; 950; ____; ____; ____; ____; ____; ____

- e. Ngwala dinomoro ka moka go thoma go 945 go fihla go 967, ka patrone ya di-2.

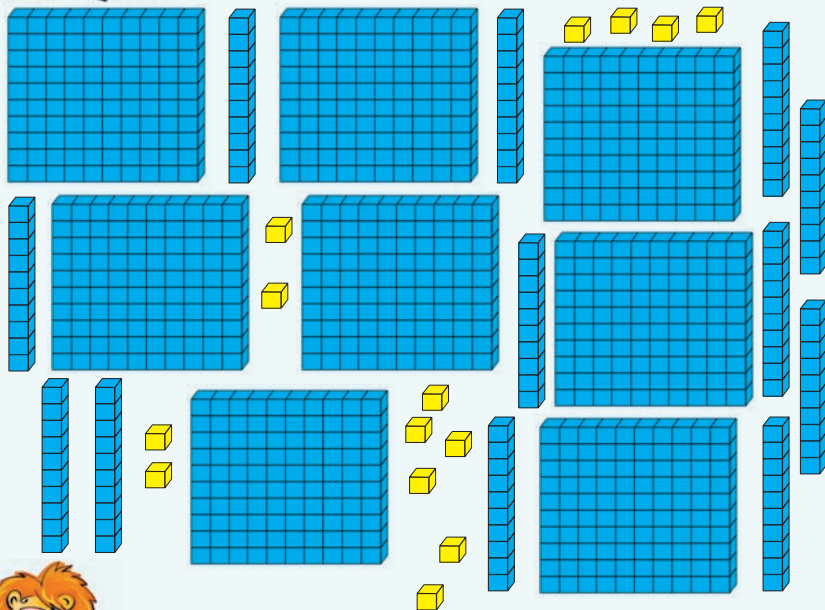
945; ____; ____; ____; ____; ____; ____; ____; ____; ____; 967

- f. Ngwala dinomoro tše di latelago tše 8 ka patrone ya di-5.

936; 941; 946; ____; ____; ____; ____; ____; ____



O bala dipoloko tše kae?



O badile bjang dipoloko?



Feleletša methalopalo.

950			953				957	958		
							956	961	966	
					903	906	909			



Feleletša lenaneo.

Ngwala go tloga go ye
nnyane go feta go fihla go ye
kgolo go feta

Ngwala go tloga go ye kgolo
go feta go fihla go ye nnyane
go feta

936, 933, 935, 931, 937		
978, 907, 970, 917, 971		



Ngwala nomoro ye e latelago ka mantšu.

695



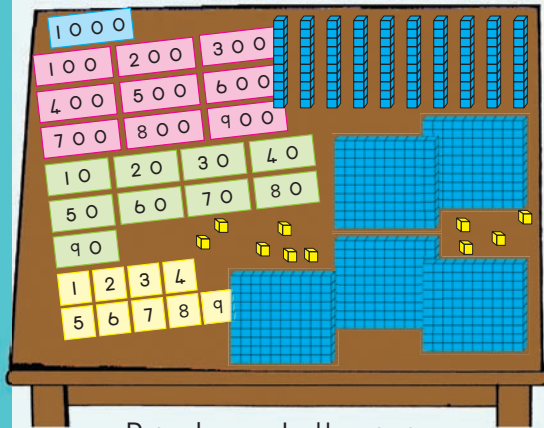
Teacher:

Sign:

Date:

Dinomoro tše di oketšegilego: 900 go fihla go 1 000

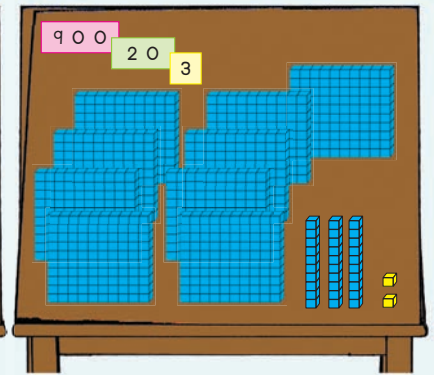
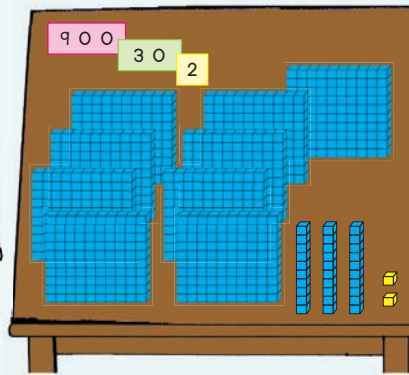
Kotara ya 4



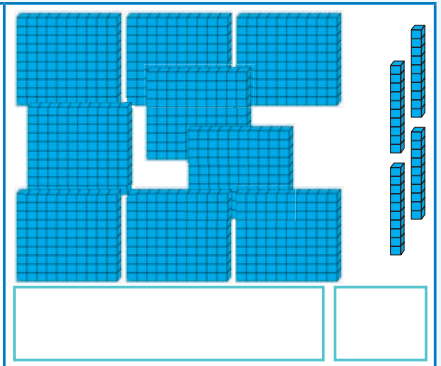
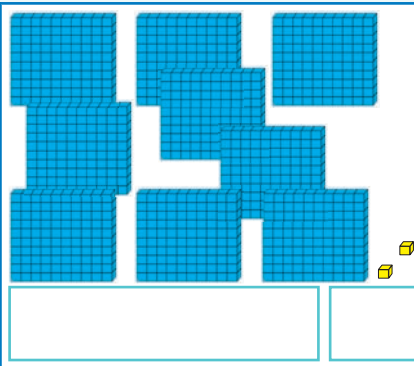
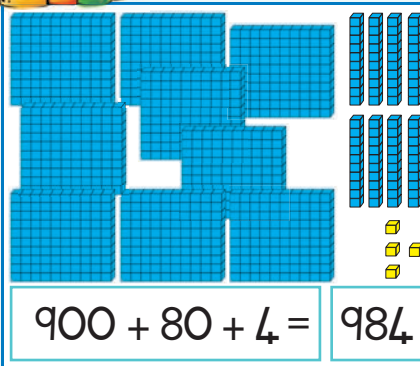
Rati o be a na le dikarata tša kemapalo ye e latelago, le dipoloko tša motheo tše 10.

Morutiši o kgopela Rati gore a laetše 932 ka dikarata le dipoloko tša gagwe.

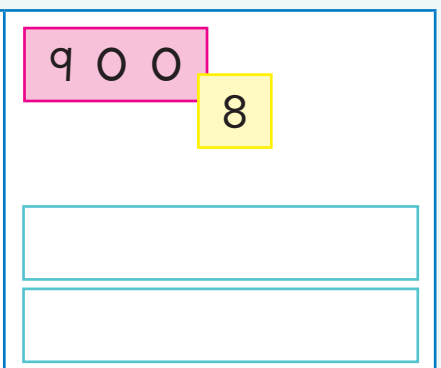
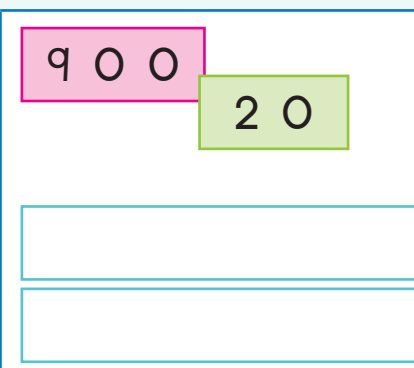
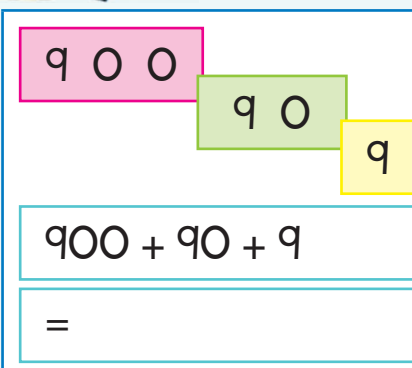
Se ke se Phuki a se laeditšego. O šaeditše eng?



Ngwala lefokopalo, ka morago o ngwale karabo.



Ngwala lefokopalo, ka morago o ngwale karabo.





Feleletša mothalo palo.

989	990	991								999
-----	-----	-----	--	--	--	--	--	--	--	-----

Ngwala dinomoro ka moka tše di lego tše nnyane go 995. _____

Ngwala dinomoro ka moka tše di fetago 95. _____



Ngwala $< \text{goba} > \text{goba} =$

a. 999 _____ 998

b. 957 _____ 975

c. $900 + 60 + 1$ _____ 961



Aroganya nomoro ya gago.

a. Aga nomoro ye nngwe le ye nngwe ka dikarata tša gago.

b. Ngwala boleng bja mono wo mongwe le wo mongwe. Bjale, dira tše: Aroganya nomoro ya gago.

922	
959	
980	
907	
931	

Mohlala: 984

9 0 0

8 0

4

9 8 4

984

$900 + 80 + 4$



Ngwala mainapalo.

976	
905	
950	
821	
909	



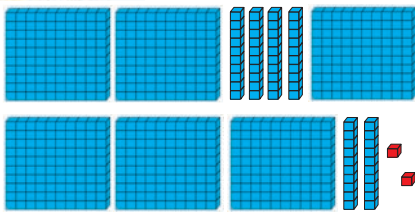
Teacher:
Sign:
Date:

Go hlakantšha le go ntšha,
go fihla go 999

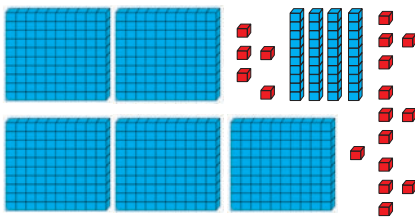
Kotara ya 4



Ngwala lefokopalo la ye nngwe le ye nngwe.



Hlaloša gore o badile bjang dipoloko.



Hlaloša gore o badile bjang dipoloko.



Šomiša mohlala gore o go hlahle.

50

50

50 gabedi ke 100

300

300

200

200

3

3



Šomiša tše di nyakilego di pedifaditšwe go rarolla
tše di latelago. Šomiša mohlala gore o go hlahle.

a. $43 + 44 =$

pedifatšha $43 + 1$

$43 + 43 + 1 = 87$

b. $81 + 41 =$

c. $40 + 41 =$

d. $66 + 67 =$



Šomiša dipedifatšwa goba
tše di nyakilego di pedifaditšwe go rarolla
tše di latelago. Šomiša mohlala gore o go hlahle.

a. Pedifatša 340
 $= 340 + 340$
 $= \text{Pedifatša } 340$
 $= 300 + 300 + 40 + 40$
 $= 600 + 80$
 $= 680$

b. $340 + 341$
 $= \text{Pedifatša } 340 + 1$
 $= 300 + 300 + 40 + 40 + 1$
 $= 600 + 80 + 1$
 $= 681$

c. $470 + 470$

d. $461 + 462$



Rarolla tše di latelago.



Ba Mphato wa 2 ba kgobokeditše dimabolo tše 360.

Ba Mphato wa 3 ba kgobokeditše dimabolo tše di fetwago ke tša ba Mphato wa 2 ka 216.

Ba Mphato wa 3 ba na le dimabolo tše kae?



Ka ga ntlo



Letšatši la go paka.

Mmane Dineo o paka borotho ka ontong ya gagwe.

Bontšha nako mo dišupanakong tše.

Seripagare le kotara.

O lokela borotho ka kotara go tšwa iring ya bone.

O ntšha borotho metsotso ye mehlano ka morago ga iri ya bohlanano.

Borotho bo tšere nako ye kae go butšwa? _____

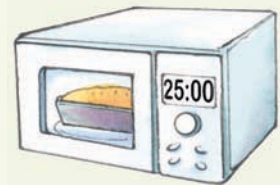
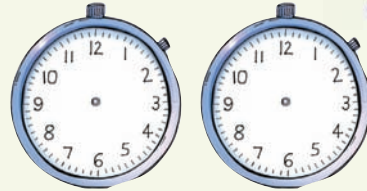
Mmago Ann o šomiša maekero-obene. O butšwiša ka pela.

Nako ke 16:30. Lebelela nako ya go apea yeo e beilwego, mo go maekero-obene.

Borotho bo tlile go loka neng? _____

Maekero-obene o ka pela gakaakang go feta onto ye nngwe?

Metsotso ye _____.



Mešomo ya mesong.



Mesong ya Mokibelo, Tumišo le Phuki ba thuša mmagobona ka mošomo wa ka ntlong. Mošongwana wo mongwe le wo mongwe o tšea nako ye kaakang?



	Thoma	Fetša	Nako ye kaakang?
Go apea difihlolo	6:15	6:40	
Go hlatswa dibjana	7:20	8:05	
Go hlwekiša khitšhi	8:20	9:15	
Go hlwekiša phapošibohlapelo	10:00	10:25	
Go hlwekiša phapošiborobalelo	11:30	12:15	



Go nošetša serapana.



Lethopo le ka šomiša dilitara tše 30 tša meetse ka motsotso o !!

Lethopo le ka šomiša dilitara tše kae tša meetse ka:

Metsotso ye 2: dilitara tše _____.

Metsotso ye 2 $\frac{1}{2}$: Dilitara tše _____.

Metsotso ye 5: Dilitara tše _____.

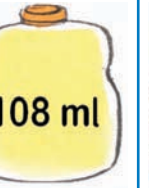
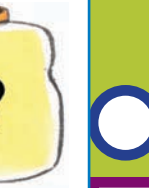
Metsotso ye 10: Dilitara tše _____.



Go apea kheri.

TatagoTumišo o dira kheri o bile o a e rekiša. Ka beke o šomiša dimililitara tše 750 tša oli.

O ngwala gore o šomiša oli ye kaakang letšatši le lengwe le le lengwe.

Mošupologo	Labobedi	Laboraro	Labone	Labohlano	Mokibelo	Lamorena
						

a. O šomiša dimililitara (ml) tše kae tša oli go tloga Mošupologo go fihla Mokibelo?
_____ dimililitara.

b. O šomiša dimililitara (ml) tše kae tša oli ka Lamorena?
_____ dimililitara (ml)

c. Lebotlelo le tee la oli la dimililitara tše 750 le bitša R18,50. Mabotlelo a 4 a tla ja bokae?

Lekola!
Bapetša!
Lokiša!



Teacher: _____
Sign: _____
Date: _____

Go šoma ka tšhelete

Kotara ya 4



Bala dikhoine le tšhelete ya pampiri.

$10 \times \text{10c} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{10c} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{10c} = \text{R} \underline{\hspace{1cm}}$
$10 \times \text{20c} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{20c} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{20c} = \text{R} \underline{\hspace{1cm}}$
$10 \times \text{50c} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{50c} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{50c} = \text{R} \underline{\hspace{1cm}}$
$10 \times \text{R1} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{R1} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{R1} = \text{R} \underline{\hspace{1cm}}$
$10 \times \text{R2} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{R2} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{R2} = \text{R} \underline{\hspace{1cm}}$
$100 \times \text{10c} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{50c} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{R2} = \text{R} \underline{\hspace{1cm}}$
$100 \times \text{20c} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{R1} = \text{R} \underline{\hspace{1cm}}$	



Leeto la setimela.

Hunadi le bana ba gagwe ba 3 ba sepela ka setimela.

Bana le batho ba bagolo ba lefa go lekana.

Hunadi o lefa ka tšhelete ye ya pampiri.



O hwetša tšhentšhi ya R300.

Na o reka thekethe e 1 ka bokae? Swaya (✓) mo go karabo ya maleba.

a. R90 _____ b. R32 _____ c. R80 _____ d. R45,50 _____

Lekola!
Bapetša!
Lokiša!



Lebenkele la sephasa la Oketšo.

Oketšo o dira lenaneo la tšhelete ye a e hwetšago. O thoma ka go lekanyetša ka morago a bala letseno la letšatši. Letseno ke tšhelete yeo re e hwetšago. Thuša Oketšo go feleletša go bala. Ngwala karabo lenaneong le.

		Lekanyetša	Palomoka
Mošupologo	$R50 + R75 + R200 + R350 + R25$		
Labobedi	$R25 + R175 + R50 + R320 + R90$		
Laboraro	$R50 + R75 + R200 + R350 + R25$		
Labone	$R120 + R55 + R180 + R245 + R25$		
Labohlano	$R60 + R150 + R140 + R200 + R125$		
Mokibelo	$R50 + R75 + R200 + R350 + R25$		
Lamorena			



Laetša gore tšhentšhi ke bokae.

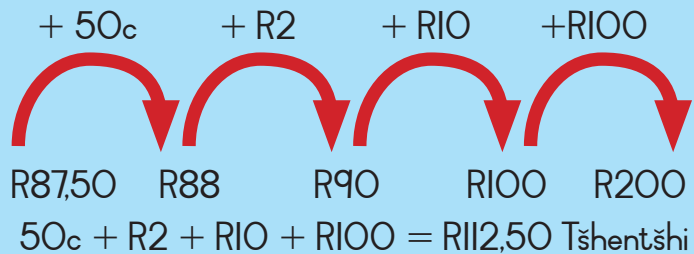
Go hwetša tšhentšhi ya gago, o ka hlakantšha theko ya dilo gomme wa ntšha palomoka ya theko mo go tšhelete ya pampiri.

Mohlala:

Phuki o reka dijo ka R87, 50.

O lefa ka R200 ya pampiri.

Tšhentšhi ya gagwe ke bokae?



Šomiša methalopalo go go thuša gore o hwetše tšhentšhi.

Theko: R229,40

Lefa ka:



Theko: R305,60

Lefa ka:



Go hlakantšha le go ntšha, go fihla go 999

Kotara ya 4



A re direng palontšhu.

Thati o kgoboketša dimamaretšwa tše 234.

Tumišo o mo file dimamaretšwa tše dingwe tše 501.

Bjale o na le dimamaretšwa tše kae?

Potšišo ke eng?

O na le dimamaretšwa tše kae bjale?

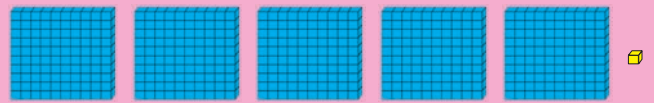
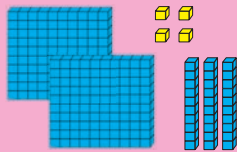
Lentšu la motheo ke lefe? gape

Dinomoro ke dife? 234 le 501

A re laetšeng se ka motheo wa rena wa dipoloko tše lesome.



Se ke se Lisa a se dirilego
go dira palontšhu ya Thati.



Se ke se Aakar a se dirilego.

O thadile seswantšho.



Lisa o beile bjang motheo wa gagwe wa dipoloko tše lesome go swana le sethalwa sa Aakar.

Šomiša nomoro ye e lego mo palontšung go e dira mo tlase ka go šomiša mekgwa ye mebedi yeo o ithutilego yona go fihla ga bjale.

Mokgwa wa 1

Mokgwa wa 2



Mešongwana ya mesong.



Boati o kgobokeditše dilwanalwana tša projeke ya sekolo ya dilo tša go šomišwa gape. O kgobokeditše mabotlelo a plastiki a 624 le ditshitswana tše nnyane tše 268. Na o kgobokeditše dilwanalwana tše kae?

Potšišo e reng? _____

Dinomoro ke dife?	Lentšu la motheo ke lefe? Swaya karabo ya maleba. Lentšu la motheo le re botša gore re: Hlakantšhe Ntšhe
Thala seswantšho.	Somiša mokgwa wa gago go rarolla palo.

Lebenkele le na le diphuthana tše 900 tša swikiri. Ka morago ga go rekiša tše dingwe tša diphuthana, o šaletšwe ke diphuthana tše kae tša swikiri. Ba rekišitše tše kae?

Karabo e reng? _____

Dinomoro ke dife?	Lentšu la motheo ke lefe? Swaya karabo ya maleba. Lentšu la motheo le re botša gore re: Hlakantšhe Ntšhe
Thala seswantšho.	Somiša mokgwa wa gago go rarolla palo.



Go hlakantšha le go ntšha, go fihla go 999 gape

Lebelela dithalwa gomme o di hlaloše.



a. $223 + 223 =$ _____.

b. $160 + 160 =$ _____.

c. $115 + 115 =$ _____.

d. $315 + 315 =$ _____.

e. $117 + 117 =$ _____.

f. $450 + 450 =$ _____.

g. $112 +$ _____ $= 224$.

h. $116 +$ _____ $= 232$.



Ngwala dinomoro.

a. 523 oketša ka 12 ke _____.

b. 540 oketša ka 15 ke _____.

c. 576 oketša ka 20 ke _____.

d. 590 oketša ka 60 ke _____.

e. 537 ntšha 29 ke 29 _____.

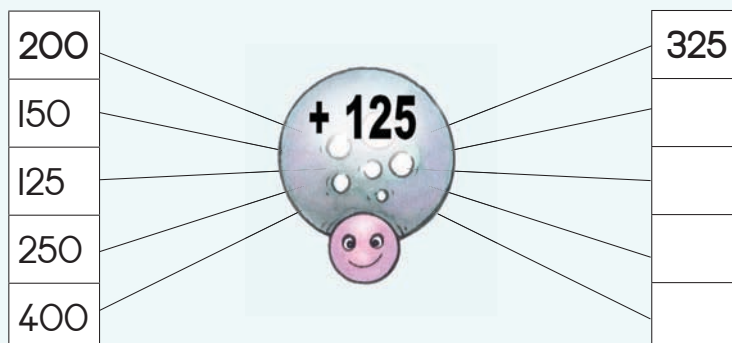
f. Seripagare sa 300 ke _____.

g. 420 gabedi ke _____.

h. Seripagare sa 600 ke _____.



Hlakantšha
ka 125.





1 000 e dirwa ke eng?

a. $200 + 150 + 50 + \square = 1000$	e. $25 + \square + 900 = 1000$
b. $1000 = 560 + \square + 400$	f. $\square + 700 + 50 = 1000$
c. $670 + \square = 1000$	g. $1000 = 420 + \square + 500$
d. $910 + 40 + \square = 1000$	h. $\square + 30 + 900 = 1000$

Hwetša maloko a + le a -.

Mohlala: $125 + 600 = 725$ $725 - 125 = 600$ $725 - 600 = 125$



$123 + 77 = \square$	$\square - 77 = 123$	$\square - 123 = 77$
$650 + \square = 800$	$800 - 650 = \square$	$\square + 650 = 800$
$1000 - 250 = \square$	$1000 - \square = 250$	$250 + \square = 1000$
$56 + \square = 300$	$300 - \square = 56$	$\square + 56 = \square$
$820 + \square = 1000$	$1000 - \square = 820$	$1000 - 820 = \square$

Lekola!
Bapetša!
Lokiša!

Hlakantšha gomme o ntšhe masome le makgolo.

a. Masome le makgolo



$78 + 10 =$	$149 + 10 =$	$456 + 100 =$	$987 + 10 =$
$636 + 100 =$	$801 + 100 =$	$727 + 100 =$	$612 + 10 =$
$456 - 10 =$	$749 - 100 =$	$829 - 100 =$	$987 - 10 =$
$875 + 10 =$	$709 - 100 =$	$815 + 10 =$	$903 - 100 =$

b. Palotlalo ya masome (Dikatišo tša lesome)

$150 - 30 =$	$190 - 60 =$	$175 - 50 =$	$990 - 80 =$
$210 + 90 =$	$335 + 60 =$	$660 + 50 =$	$812 + 60 =$
$256 - 50 =$	$320 - 30 =$	$785 - 60 =$	$999 - 90 =$
$567 + 37 =$	$671 + 90 =$	$832 + 80 =$	$928 + 80 =$

Rarolla tše di latelago

$925 + 53 = \square$ $571 + 202 = \square$ $786 + 75 = \square$ $903 + 95 = \square$



Teacher: _____
Sign: _____
Date: _____

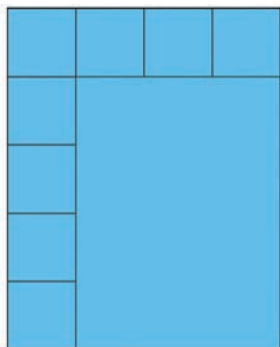
Diphasele tša tekanyo



Hwetša area.

Go nyakega dikwere tše kae go khupetša sekgoba se sengwe le se sengwe? 
Šomiša mokgwa wa gago go hwetša karabo. O ka thala dikwere mo diswantšhong gore di go thuše go hwetša karabo.

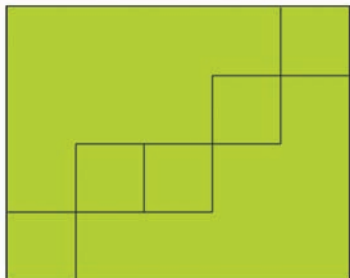
a.



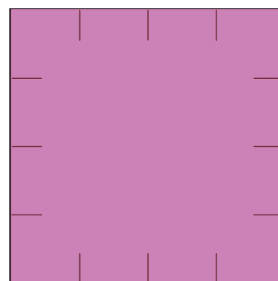
b.



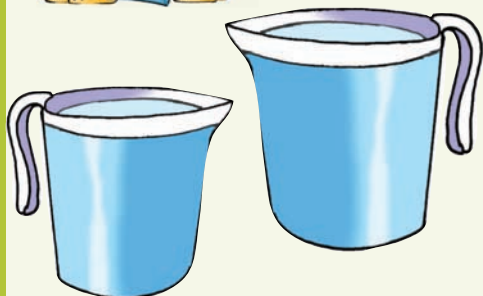
c.



d.



Rarolla thai.



O nyaka go ela dilitara tše 4 tša meetse.

O swere fela ditšhelo tše pedi: se tee se swara dilitara tše 3 gomme tše dingwe di swara dilitara tše 5. O e rarolla bjang?

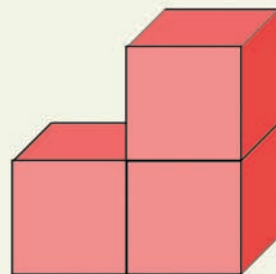
Mohlala: bonnyane go na le mekgwa ye mebedi



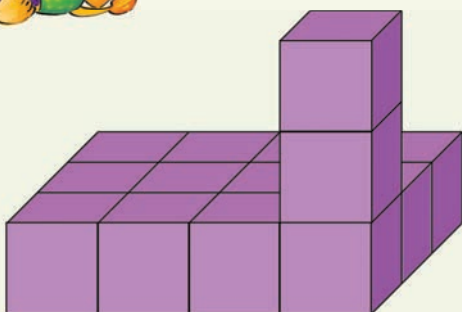
O bona eng?

Dipoloko tše tharo di kgomagantšwe go swana le mo go seswantšho se.

Gae o topa dipoloko tše di kgomagantšwego o bala dikwere tše kae ka sakantle? _____



Bala dikube.



Ke dikube tše kae tše di dirago sebopego se?



Tlhohlo: thai ya nako.

Tlhahlo

O na le dielanako tša santa tše pedi.

Kelo e tee ke metsotso ye 7 gomme kelo ye nngwe ke metsotso ye 11.

O ka diriša bjang dielanako go hwetša gore metsotso ye 15 e fetile ka nako mang?

Lekola!
Bapetša!
Lokiša!





Dipatrone tša dinomoro: masome go fihla go 900

A re baleng ka di-10 go tloga go 800 go fihla go 900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900



Dinomoro tše di diretšwego sediko di re laetša patrone efe?

Tša sediko se sehubedu : Go bala ka di- _____.	Ngwala patrone: _____
Tša sediko se setalamorogo : Go bala ka di- _____.	Ngwala patrone: _____



Bala.

a. $874 + 10 + 10 + 10 =$ _____	b. $858 - 10 - 10 - 10 - 10 =$ _____
c. $845 + 10 + 10 =$ _____	d. $858 - 10 - 10 - 10 =$ _____
e. $836 + 10 =$ _____	f. $866 - 10 - 10 =$ _____
g. $892 + 10 + 10 + 10 =$ _____	h. $87 - 10 - 10 - 10 =$ _____
i. $880 + 10 + 10 =$ _____	j. $855 - 10 =$ _____



Ke dikotana tše kae?

Go na le dikotana tše 10 mo go ngata.



1		=	_____	dikotana
2		=	_____	dikotana
3		=	_____	dikotana
4		=	_____	dikotana
5		=	_____	dikotana
6		=	_____	dikotana
7		=	_____	dikotana
8		=	_____	dikotana
9		=	_____	dikotana
10		=	_____	dikotana

10		=	_____	dikotana
20		=	_____	dikotana
30		=	_____	dikotana
40		=	_____	dikotana
50		=	_____	dikotana
60		=	_____	dikotana
70		=	_____	dikotana
80		=	_____	dikotana
90		=	_____	dikotana
100		=	_____	dikotana



Methalo ya dikotana.



Go na le dingata tše lesome tša dikotana mo mothalong = 100 dikotana

Mothalo o l wa dingata tše 10 ÷ 100 dikotana

$$10 \times 10 = 100$$

Methalo ye 2 ya dingata tše 10 = _____ dikotana $20 \times 10 =$ _____

Methalo ye 4 ya dingata tše 10 = _____ dikotana $40 \times 10 =$ _____

Methalo ye 10 ya dingata tše 10 = _____ dikotana $100 \times 10 =$ _____



Ke dingata tše kae?

Dikotana tše 700 di dira dingata tše _____.

Dikotana tše 900 di dira dingata tše _____.

Dikotana tše 1 000 di dira dingata tše _____.



Teacher: _____
Sign: _____
Date: _____

Ruma ka go iša go lesome (10) la kgauswi

Re dirile go enetša lephethetšhomong la go feta. Lebelela mothalo palo gomme o hlalošetše mogwera wa gago gore o tla enetša bjang go ya go lesome la kgauswi.



Gopola: o swanetše go lebelela metšo ge o enetša go ya go 10 la kgauswi.



Enetša go ya go lesome (10) la kgauswi.



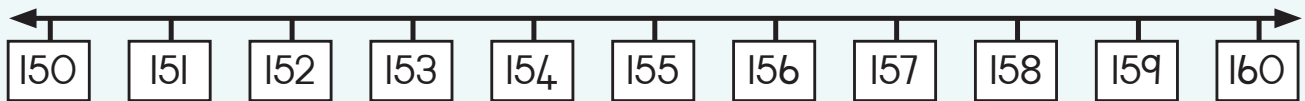
114 ge e enetša ke? _____

117 ge e enetša ke? _____



159 ge e enetša ke? _____

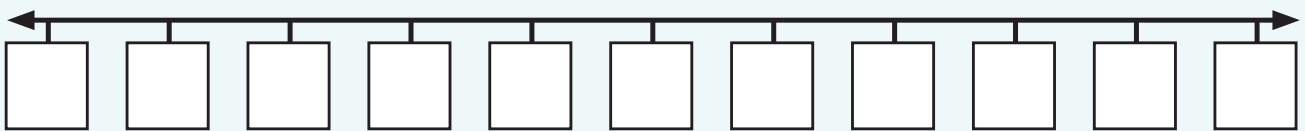
151 ge e enetša ke? _____



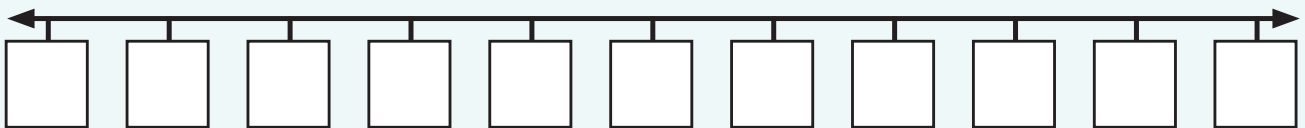
Ithalele mothalo palo wa gago.

Feleletša mothalo palo.

195



945





Feleletša ka go fihla go lesome (10) la kgauswi.

Pele o feleletša:

- ngwala gore mo gare ga di-10 tše pedi, ke nomoro efe ye e swanetšego go feleletšwa.
- laetša ka mosebe/lerumo mo go mothalo-palo gore nomoro ye e tlo feleletšwago e ka ba kae.

a. 128 ge e feleletšwa ka go fihla go lesome (10) la kgauswi, ke 130.



b. 877



c. 901



d. 566



e. 999



Feleletša nomoro ye e latelago ka go fihla go lesome (10) la kgauswi.

- | | | | | | | | | | |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|
| a. 161 | <input type="text"/> | b. 583 | <input type="text"/> | c. 415 | <input type="text"/> | d. 848 | <input type="text"/> | e. 612 | <input type="text"/> |
| f. 230 | <input type="text"/> | g. 327 | <input type="text"/> | h. 989 | <input type="text"/> | i. 534 | <input type="text"/> | j. 748 | <input type="text"/> |



Na ke swanetše go ba le di-10 tša pampiri, tše kae?

Boati le bagwera ba gagwe ba 8 ba ya moletlong wa sekolo wa letšatši la sekolo la go ithabiša. Letšatši leo la go ithabiša le bitša R4 motho o tee. Boati o bolokile tšhelete, gomme o ithaopa go lefela bagwera ba gagwe. O ile go ATM go yo ntšha tšhelete. ATM e fa tšhelete ya pampiri fela. O swanetše go ba le di-10 tše kae tša pampiri?



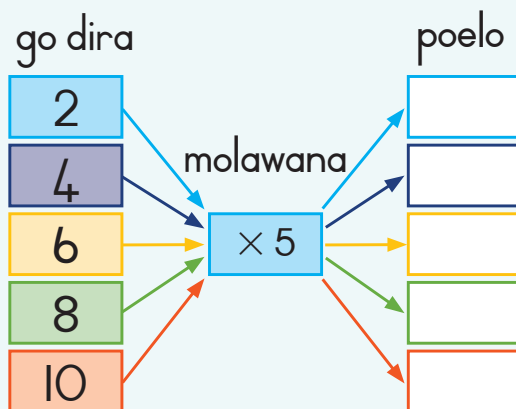
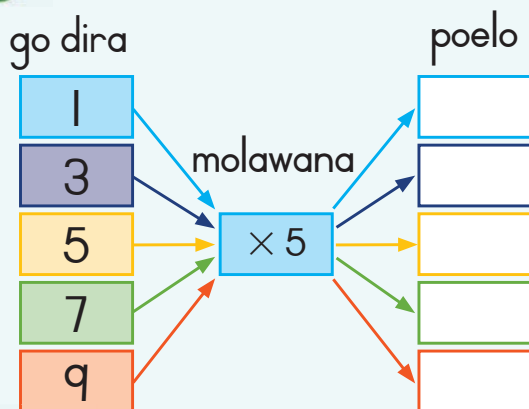
Teacher: _____
Sign: _____
Date: _____

Go atiša le go arola: di-5 go fihla go 100

Kotara ya 4



Feleletša seswantšho sa go bontšha tatelano ya ditiro.



Feleletša lenaneo la mo tlase:

$\times$	1	2	3	4	5	6	7	8	9	10
5										



Balela:

$$12 \times 5$$

$$= (10 + 2) \times 5$$

$$= 50 + 10$$

$$= 60$$

$$11 \times 5$$

$$13 \times 5$$

$$= (10 + 3) \times 5$$

$$= 50 + 15$$

$$= 50 + 10 + 5$$

$$= 65$$

$$13 \times 5$$



$$45 \div 5$$

$$= (40 + 5) \div 5$$

$$= (45 \div 5) + (5 \div 5)$$

$$= 8 + 1$$

$$= 9$$

$$75 \div 5$$

$$48 \div 5$$

$$= (40 + 8) \div 5$$

$$= (40 \div 5) + (8 \div 5)$$

$$= 8 + 1 \text{ maš } 3$$

$$= 9 \text{ maš } 3$$

$$13 \div 5$$



Rarolla dipalo tše di latelago:

Serapana sa merogo se na le methalo ye 14 ya dibjalo.

Mothalo wo mongwe le wo mongwe o na le palo ya go lekana ya dibjalo.

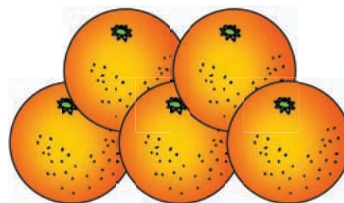
Gae go na le dibjalo tše 70, go na le dibjalo tše kae mothalong wo mongwe le wo mongwe?



Motswaledi o rekiša mekotlana ye e nago le dinamune tše hlano ka go mokotlana wo mongwe le wo mongwe.

O na le dinamune tše 85.

A ka tlatša mekotlana ye mekae?



Teacher: _____
Sign: _____
Date: _____

Dipatrone tša dinomoro: hlano go fihla go 1 000

A re bale ka di-5 go thoma go 805 go fihla go 900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900



Dinomoro tše di diretšwego sediko di laetša patrone efe?

Tše di diretšwego sediko ka botlalerata :	Go bala ka di _____.
Ngwala patrone:	
Tše di diretšwegogo sediko ka phepholo :	Go bala ka di _____.
Ngwala patrone:	



Bala.

a. $875 + 5 + 5 + 5 =$ _____	b. $850 - 5 - 5 - 5 =$ _____	c. $845 + 5 + 5 =$ _____
d. $830 - 5 - 5 - 5 =$ _____	e. $886 + 5 =$ _____	f. $846 - 5 - 5 =$ _____
g. $802 + 5 + 5 + 5 =$ _____	h. $801 - 5 =$ _____	i. $853 - 5 - 5 - 5 =$ _____



Papetla ya dinomoro: 901 go fihla go 1 000.

901		903	904	905	906		908	909	910
911		913	914	915	916		918	919	920
921		923	924	925	926		928	929	930
931		933	934	935	936		938	939	940
941		943	944	945	946		948	949	950
951		953	954	955	956		958	959	960
961		963	964	965	966		968	969	990
971		973	974	975	976		978	979	990
981		983	984	985	986		988	989	990
991		993	994	995	996		998	999	1 000



Ngwala dinomoro tše di tlogetšwego.

Phapano ke eng magare ga dinomoro tše talamorogo le tše phepholo mo mothalong o tee.



Feleletša dipatrone.

Na o lemoga patrone?	E hlaloše.
963, 968, 973, 978, 983, _____	
944, 949, 954, 959, 964, _____	
921, 926, 931, 936, 941, _____	
956, 951, 946, 941, 936, _____	
982, 987, 992, 997, _____	
927, 922, 917, 912, 907, _____	



Teacher: _____
Sign: _____
Date: _____

Gape ka ga go swana



Seipone, seipone.

Bapala le molekane wa gago le šomiša ye nngwe ya disete tša phasele ye ka diripana tše 14 go tšwa go Seseqwa sa IO.

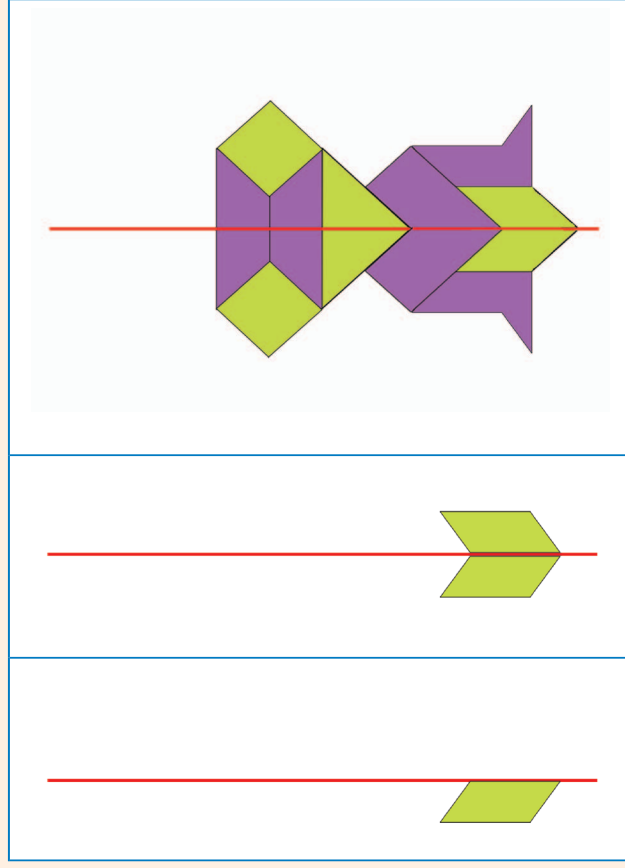
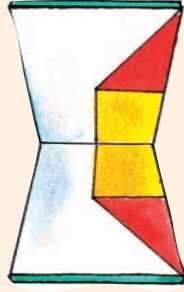
Moradiki yo mongwe le yo mongwe o swere seripagare sa dibopogo tša diripana tša diphasele tša go thaela. Go se be le diripana tša go swana.

Thala mothalo go bapela le bogare bja seripana sa pampiri. Se se tla ba mothalo wa sešupo.

Moradiki wa mathomo o bea diripana tša gagwe kgauswi le mothalo.

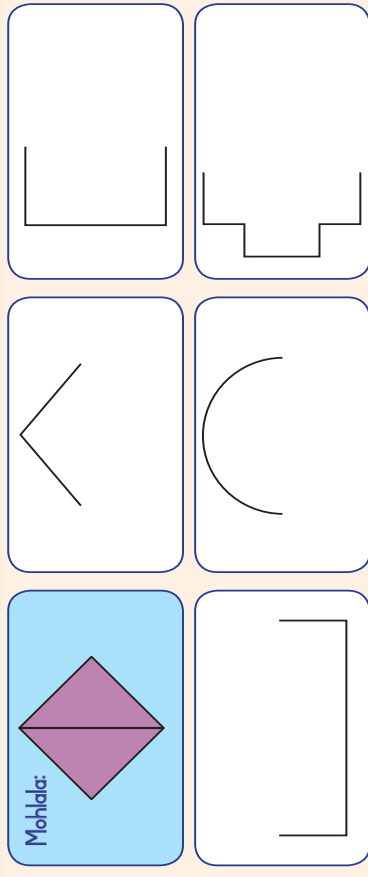
Moradiki wa bobedi o bea sešupo ka thoko ye nngwe ya mothalo. Se swanetše go kgwathath mothalo goba sebopego sa ye nngwe ya tšeo di šetšego di beilwe.

Tšwela pele go fihla ge diripana ka moka di šomišitšwe.

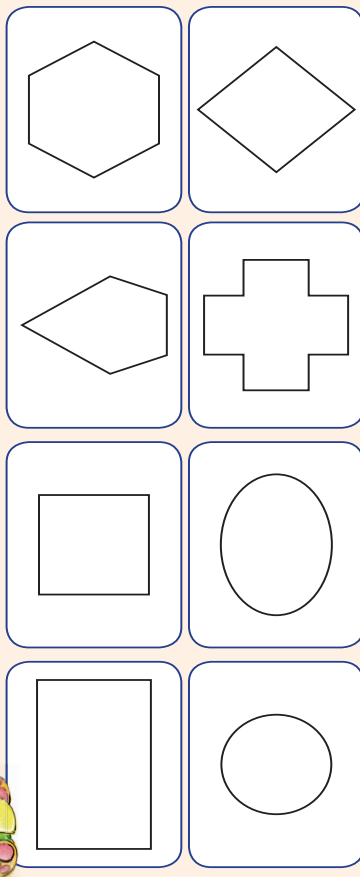


Thala ka thoko ye nngwe ya sebopego.

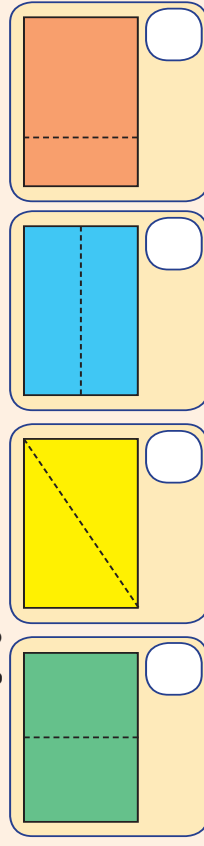
Bjale laetša mothalo wa go swana.



Thala mothalo wa go swana mo go tše di latelago:



Swaya dibopogo tše di nago le methalo ya mleba ya go swana.



Dipatronetša dinomoro:

di-2 go fihla go 900

A re baleng ka di-2 go tloga go 802 go fihla go 900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900

Dinomoro tše di diretšwego sediko di re laetša patrone efe?

Tše di diretšwego sediko ka botalerata :	Go bala ka di _____.
Ngwala patrone:	
Tše di diretšwego sediko ka botalamorago :	Go bala ka di _____.
Ngwala patrone:	



Bala.

a. $872 + 2 + 2 + 2 =$ _____	b. $820 - 2 - 2 - 2 =$ _____	c. $844 + 2 + 2 =$ _____
d. $832 - 2 - 2 - 2 =$ _____	e. $883 + 2 =$ _____	f. $842 - 2 - 2 =$ _____
g. $801 + 2 + 2 + 2 + 2 =$ _____	h. $85 - 2 =$ _____	i. $846 - 2 - 2 - 2 =$ _____

Laetšatšegwadi

Palohlokathekanelo le palotekanelo.

a. Thala (X) kgauswi le dipalohlokathekanelo le (✓) kgauswi le dipalotekanelo.

914 923 916 907 929 912 911 915
908 917 925 931 930 910 909 922 933

b. Araba o re: palohlokathekanelo goba palotekanelo.

Hlakanya dipalohlokathekanelo tše pedi. O hwetša palo _____.

Hlakanya dipalotekanelo tše pedi. O hwetša palo _____.

O hlakantšha dipalohlokathekanelo tše tharo. O hwetša palo _____.



Go bjala mehlae.

Wo ke mokgwa wa go bjala mehlae ye 48 methalong ya go lekana.



Re ka ngwala: $2 \times 24 = 48$ (methala ye 2 ya mehlae ye 24 = 48) goba $48 \div 2 = 24$
(mehlae ye 48 methalong ye 2 ya go lekana e re mehlae ye 24 mothalong o tee).

Bala methalo le mehlae seswantšhong se sengwe le se sengwe mo tlase.

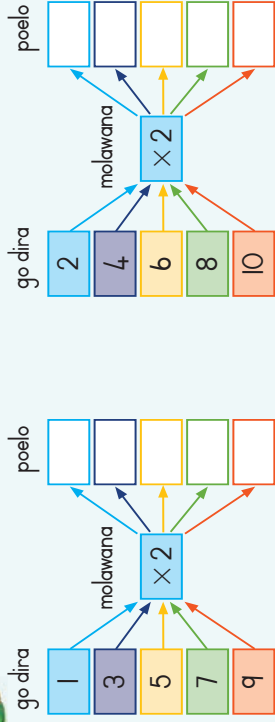
Ngwala lefokopalo la x le $la \div$ gore a sepelelane.

a.	$\times$ _____ = _____	$\div$ _____ = _____	
b.	$\times$ _____ = _____	$\div$ _____ = _____	
c.	$\times$ _____ = _____	$\div$ _____ = _____	
d.	Hwetša mokgwa wo mongwe wa go bjala mehlae ye 48 mo methalong. $\times$ _____ = _____ $\div$ _____ = _____	e. Hwetša mokgwa wo mongwe wa go bjala mehlae ye 48 mo methalong. $\times$ _____ = _____ $\div$ _____ = _____	

Go atiša le go arela:
di-2 go fihla go 100



Feleletša seswantšho sa go bontšha tatelano ya ditiro.



Feleletša lenaneo la mo tlase:

×	1	2	3	4	5	6	7	8	9	10
2										



Balela:

12×2	11×2
$= (10 + 2) \times 2$ $= 20 + 4$ $= 24$	
18×2	22×2
$= (10 + 8) \times 2$ $= 20 + 16$ $= 20 + 10 + 6$ $= 36$	

$$46 \div 2$$

$$= (40 + 6) \div 2$$

$$= (40 \div 2) + (6 \div 2)$$

$$= 20 + 3$$

$$= 23$$

$$47 \div 2$$

$$= (40 + 7) \div 2$$

$$= (40 \div 2) + (7 \div 2)$$

$$= 20 + 3 \text{ go šala } 1$$

$$= 23 \text{ go šala } 1$$



Rarolla dipalo tše di latelago:

Serapana sa merogo se na le methalo ye 32 ya dibjalo.

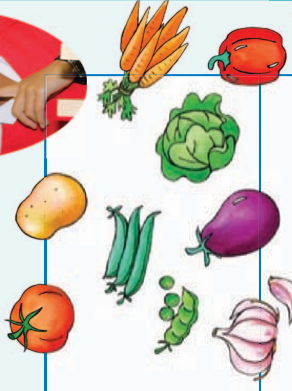
Mathalo wo mongwe le wo mongwe o na le dimela tše 2.

Go na le dimela tše kae ka serapaneng?

Serapana sa merogo se na le methalo ye 48 ya dimela.

Mathalo wo mongwe le wo mongwe o na le dimela tša go lekana.

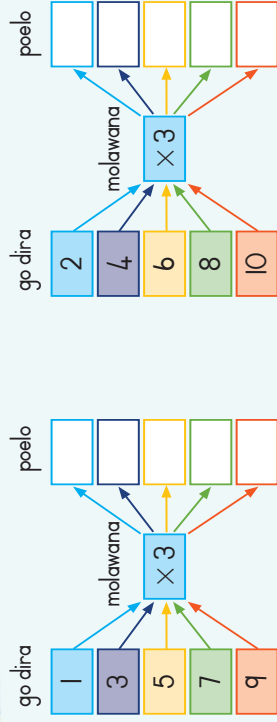
Gae go na le dimela tše 80 go na le dimela tše kae mothalong wo mongwe le wo mongwe?



Go atiša le go arola: di-3 go fihla go 100



Feleletša seswantšho sa go bontšha tatelano ya ditiro.



Feleletša lenaneo la mo tlase:

×	1	2	3	4	5	6	7	8	9	10
3										



Bala:

$$\begin{aligned}
 12 \times 3 &= (10 + 2) \times 3 \\
 &= 30 + 6 \\
 &= 36
 \end{aligned}$$

$$\begin{aligned}
 17 \times 3 &= (10 + 7) \times 3 \\
 &= 30 + 21 \\
 &= 30 + 20 + 1 \\
 &= 51
 \end{aligned}$$

$$11 \times 3$$

$$19 \times 3$$

$$63 \div 3$$

$$\begin{aligned}
 &= (60 + 3) \div 3 \\
 &= (60 \div 3) + (3 \div 3) \\
 &= 20 + 1 \\
 &= 21
 \end{aligned}$$

$$96 \div 3$$

$$65 \div 3$$

$$\begin{aligned}
 &= (60 + 5) \div 3 \\
 &= (60 \div 3) + (5 \div 3) \\
 &= 20 + 1 \text{ go šala } 2 \\
 &= 21 \text{ go šala } 2
 \end{aligned}$$

$$98 \div 3$$



Rarolla dipalo tše di latelago:

Monene o na le malekere a 30.

Malekere a a lekana le a Malelo galesome.

Malelo o na le malekere a makae?

Serapana sa merogo se na le methalo ye 29 ya dimela.

Mathalo wo mongwe le wo mongwe o na le dimela tše 3.

Gae go na le dimela tše kae ka serapaneng?



A re baleng ka di-3 go tloga go 803 go fihla go 899.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900

Dinomoro tše di diretšwego sediko di re laetša patrone efe?

Tše di diretšwego sediko ka mimala wa namune :	Go bala ka di _____.
Ngwala patrone:	_____
Tše di diretšwego sediko ka botšalamorogo :	Go bala ka di _____.
Ngwala patrone:	_____

Bala.

a. $873 + 3 + 3 + 3 =$ _____	b. $824 - 3 - 3 - 3 =$ _____	c. $841 + 3 + 3 =$ _____
d. $837 - 3 - 3 - 3 =$ _____	e. $889 + 3 =$ _____	f. $846 - 3 - 3 =$ _____
g. $802 + 3 + 3 + 2 =$ _____	h. $819 - 3 =$ _____	i. $880 - 3 - 3 - 3 =$ _____

Papetla ya dinomoro tše: 901 go fihla go 1000.

901		903	904		906	907		909	910
	912	913		915	916		918	919	
921	922		924	925		927	928		930
931		933	934		936	937		939	940
	942	943		945	946		948	949	
951	952		954	955		957	958		960
961		963	964		966	967		969	990
	972	973		975	976		978	979	
981	982		984	985		987	988		990
991		993	994		996	997		999	1000

Ngwala dinomoro tše di tlogetšwego.

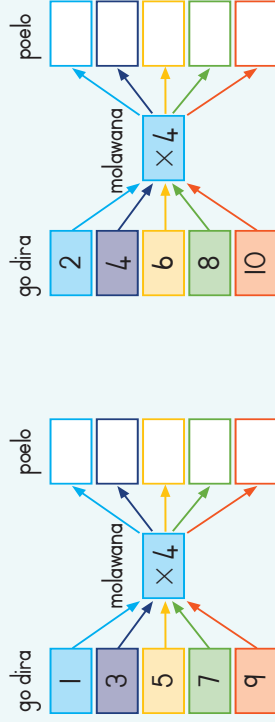
Khalara poloko ya dinomoro tše di tlogetšwego ka botšaleratša. Khalara dipoloko tše tšhweu tše di nago le dinomoro ka gare ka bohudedu. Na o bona patrone efe?

Feleletša dipatrone.

a. Oketša 981 ka di-3 tše 4.	984, 987, 990, 993
b. Oketša 973 ka di-3 tše 5.	_____
c. Ntšha di-3 tše 4 mo go 975.	_____
d. Ntšha di-3 tše 3 mo go 947.	_____
e. Oketša 932 ka di-3 tše 2.	_____

Goatšha le go arala: di-4 go fihla go 100

Feletša seswantšho sa go bontšha tatelano ya ditiro.



Feletša lenaneo la mo tlase:



$\times$	1	2	3	4	5	6	7	8	9	10
4										



Bala:

$$\begin{aligned}
 12 \times 4 &= (10 + 2) \times 4 \\
 &= 40 + 8 \\
 &= 48
 \end{aligned}$$

$$\begin{aligned}
 13 \times 4 &= (10 + 3) \times 4 \\
 &= 30 + 12 \\
 &= 30 + 10 + 2 \\
 &= 52
 \end{aligned}$$

$$11 \times 4$$

$$15 \times 4$$

$$48 \div 6$$

$$\begin{aligned}
 &= (40 + 8) \div 4 \\
 &= (40 \div 4) + (8 \div 4) \\
 &= 10 + 2 \\
 &= 12
 \end{aligned}$$

$$45 \div 4$$

$$\begin{aligned}
 &= (40 + 5) \div 4 \\
 &= (40 \div 4) + (5 \div 4) \\
 &= 10 + 1 \text{ go šala } 1 \\
 &= 11 \text{ go šala } 1
 \end{aligned}$$



Rarolla dipalo tše di latelago:

James o na le malekere a 36.

O ja malekere a 4 ka letšatši.

A ka ja malekere matšatši a makae?



Rati o rekiša diphuthelwana tša go ba le dinamune tše nne sephuthelwana se sengwe le se sengwe.

O na le dinamune tše 88.

A ka tlatše diphuthelwana tše kae?



Dipatrone tša dinomoro:

di-4 go fihla go 1 000

A re baleng ka di-4 go tloga go 804 go fihla go 900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900

Dinomoro tše di diretšwego sediko di re laetša patrone efe?

Tše di diretšwego sediko ka botalamorogo :	Go bala ka di _____.
Ngwala patrone	
Tše di diretšwego sediko ka phepholo :	Go bala ka di _____.
Ngwala patrone	



Bala.

a. $872 + 4 + 4 + 4 =$ _____	b. $821 - 4 - 4 - 4 =$ _____	c. $840 + 4 + 4 =$ _____
d. $836 - 4 - 4 - 4 =$ _____	e. $885 + 4 =$ _____	f. $845 - 4 - 4 =$ _____
g. $803 + 4 + 4 + 4 =$ _____	h. $813 - 4 =$ _____	i. $847 - 3 - 3 - 3 =$ _____

Papetla ya dinomoro tše: 901 go fihla go 1 000.

901		903	904	905		907	908	909	
911	912	913		915	916	917		919	920
921		923	924	925		927	928	927	
931	932	933		935	936	937		939	940
941		943	944	945		947	948	949	
951	952	953		955	956	957		959	960
961		963	964	965		967	968	969	
971	972	973		975	976	977		979	980
981	982	983	984	985		987	988	989	
991	992	993		995	996	997		999	1 000

Ngwala dinomoro tše di tlogetšwego.

Khalara poloko ya dinomoro tše di tlogetšwego ka botalalerata. Khalara dipoloko tše tšhweu ka bohubeu. Na o bona patrone efe?



Feleletša dipatrone.

a. Oketša 980 ka di-4 tše 4.	984, 988, 992, 996
b. Oketša 971 ka di-4 tše 5.	_____
c. Ntšha di-4 tše 4 mo go 963.	_____
d. Ntšha di-4 tše 3 mo go 927.	_____
e. Oketša 938 ka di-4 tše 2.	_____

Dikarolo tša go lekana tša karlomoka



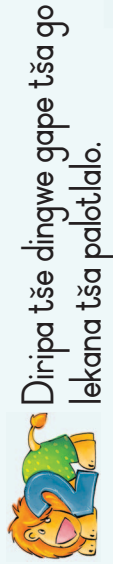
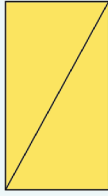
Seripagare se tee, o ka se sega ka mokgwa ofe gaba ofe.

Sega dikhutlonnethwi tše dingwe go tšwa pampiring ya mmala (go tšwa go Sesegwa sa II).



Lemoga mekgwa ye mengwe ye e fapanego go dira seripagare.

1. Mena khutlonnethwi ya pampiri ka botšelele gore e be seripagare. Segag pampiri ka bogare mo lemenong. Diripana tše ka moka di lekana ka bogolo. Seripana se sengwe le se sengwe ke seripagare sa ($\frac{1}{2}$) khutlonne ya motheo.
2. Mena pampiri ye nngwe khutlonnethwi ka seripagare mo go putlago. Segag pampiri e be seripagare mo lemenong. Se sengwe le se sengwe sa diripagare tše ke sa bogolo bja go lekana. Seripagare se sengwe le se sengwe ke seripagare se tee sa pampiri ya mathamong.
3. Mokgwa wo mongwe wa go arola pampiri ka dikarolo tše pedi tša go lekana ke ofe? Hlohloša ka pampiri le sekero gomme o thalathale mo mothalong moo o tšilego go dira lemeno, gomme o sege.



Diripa tše dingwe gape tša go lekana tša palotlalo.

- Ge re arola selo go dira diripana tše 2 tša go lekana, diripana tšeo re di bitša *diripagare*.
- Ge re arola selo go dira diripana tše 3 tša go lekana, diripana tšeo re di bitša *diteetharong*.
- Ge re arola selo go dira diripana tše 4 tša go lekana, diripana tšeo re di bitša *diteenneng*.
- Ge re arola selo go dira diripana tše 5 tša go lekana, diripana tšeo re di bitša *diteehlanong*.



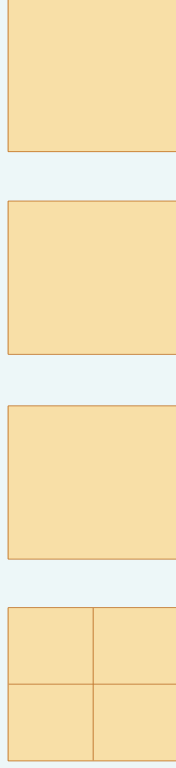
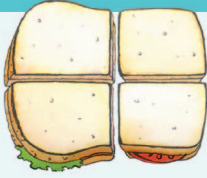
Disangwetše tša nako ya letena.

Rati le bagwera ba gagwe ba 3 ba dira disangwetše tše ntši tša nako ya letena.

Ba di ripaganya *diteenneng* goba *dikotara*.

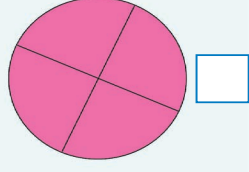
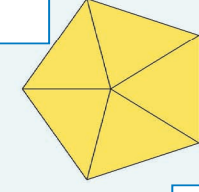
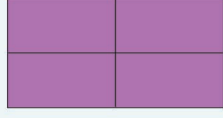
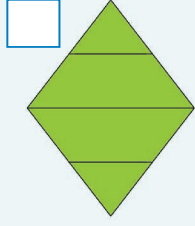
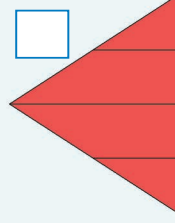
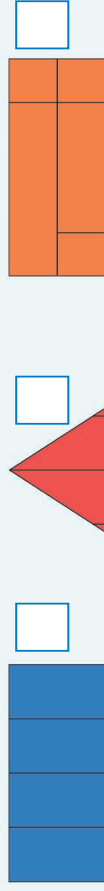
Se se ra gore ba di ripa, ba dira tše nne tša go lekana.

Wo ke mokgwa wo mongwe. Laetša mekgwa ye mengwe ye 3 ya go dira se.



Go arola gomme gwa dirwa dinne.

Ge re sega selo ra dira dikotara ($\frac{1}{4}$ -s), dinne/diteenneng) re a se arola ra dira diripana tše 4 tša go lekana. Swaya (✓) diswantšho tša mo tlase tšeo di laetšago dikotara goba diteenneng.



Dipalo tša dipalophatlo



Boledišana le bagwera ba gago ka ga dipalophatlo.



Karabo ke eng? _____



Rarollang dipalo tše di latelago ka go araba dipotšišo le ka go dira dithalwa.

a. Mohlali wa kgwele ya diatl'a o fa moraloki yo mongwe seipagare sa namune. Go na le baraloki ba 14.

O swanetše go ba le dinamune tše kae? _____

Karabo ke eng? _____

Dinomoro goba dipalophatlo ke dife mo palong? _____

Lentšu le bohlokwa ke lefe? _____

Thala seswantšho.



Lentšu le bohlokwa ke lentšu leo le tlogo go nthuša gore ke kgethe tšhepedišo ya maleba.

Karabo ke eng? _____

b. Mina o file nna le bagwera ba ka ba lesometee yo mongwe le yo mongwe kotara ya apala. O swanetše go ba le diapala tše kae? _____

Dinomoro goba dipalophatlo ke dife mo palong? _____

Lentšu le bohlokwa ke lefe? _____

Thala seswantšho.



Karabo ke eng? _____

c. Mo letlong wa sekolo ba rekisitše dikhekhe tše di ntšhitšwego diripa tše tharo ye nngwe le ye nngwe.

Ba rekiseditše batho ba 24 karolwana ya khekhe.

Ba rekisitše dikhekhe tše kae? _____

Dinomoro goba dipalophatlo ke dife mo palong? _____

Lentšu le bohlokwa ke lefe? _____

Thala seswantšho.



Karabo ke eng? _____

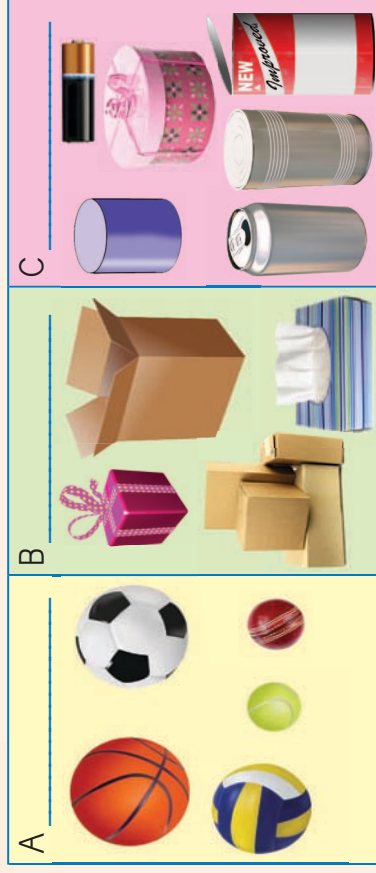


Dilo tša mahlakoretharo



Lebelela diswantšho.

Ke sehlopha sefe seo se laetšago dibola, disilintere le mapokisi?



Hwetša diswantšho tše pedi tša se sengwe le se sengwe gomme o di mamaretše mo tlase.

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Thalela karabo ya maleba.

- Tamati e bopegile bjalo ka **bolo-/lepokisi-/silintere**.
- Galase ya go nwela e bopegile bjalo ka **bolo-/lepokisi-/silintere**.
- Puku e bopegile bjalo ka **bolo-/lepokisi-/silintere**.

Letšatšikgwebi



Thwi le modikelela.



Dilo tše dingwe tše thata di na fela le dikgala tše phaphathi. Tše dingwe di na le dikgala tša modikelela.

Silintere se na le diboego tše pedi tša dipapetla le sebopego se tee sa morarela.	Khounu e tee e na le sebopego se tee sa papetla le se tee sa morarela.	Kgakolo e na fela le medikologa go ya mathoko ohle.



Go kgokologa.

Nagana ka ga gore silintere, khounu goba kgakolo e ka kgokologa bjang.

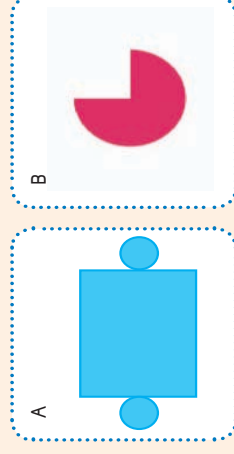
Mo go dilo tše 3, ke efe yeo e:

a. ka se kgokologelego kgale?	
b. ka kgokologago ka mathalo wo o sepelago thwi?	
c. ka kgokologelago thoko efe goba efe?	



Na lelokwa ke eng?

Sebopego sa papetla seo se ka menegago go dira sethata se bitšwa lelokwa.



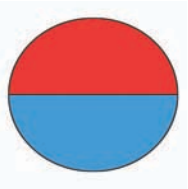
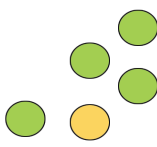
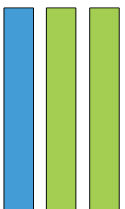
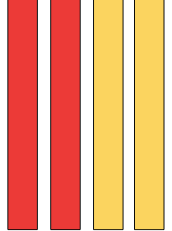
Ngwala tlhaka ya lelokwa yeo e ka menegago go dira khounu. _____

Ngwala tlhaka ya lelokwa yeo e ka menegago go dira silintere. _____

Dipalophatlo tše dingwe gape

Efa maina a dipalophatlo.

Ngwala palophatlo tša diswantšho tša mo tlase.

	
a. Ke palophatlo efe yeo e lego ye khubedu?	b. Ke palophatlo efe yeo e lego ye talamoro-go?
	
c. Ke palophatlo efe yeo e lego ye talalerata?	d. Ke palophatlo efe yeo e lego ye serolane?



Araba dipotšišo.

a. Tumišo o na le ditsekana tše nne tša tšhokolete. O fa mogwera wa gagwe setsekana se tee.

O šaletšwe ke palophatlo ye kaakang ya dits'hokolete? _____

b. Yasmin o na le dinamune tše pedi. E tee o e arogana le Ann.

O šaletšwe ke palophatlo ye kaakang? _____

c. Boati o reka diphaphathi tše 5 tša tšhokolete. O ipeela e tee, a fa Mohamed le kgaetšedi ya gagwe tše 2 mongwe le mongwe. Boati o ipeešwe palophatlo ye kaakang? _____

Go arola lebotlo ka dipalophatlo.



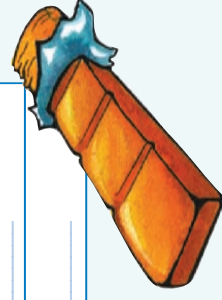
Mot'halo wo mongwe le wo mongwe o arotšwe ka dikarolo tša go lekana. Mot'halo wa ka tlase o arotšwe ka ditše-somepeding ($\frac{1}{2}$). Phara setlankana methalong ye mengwe ka palophatlo ya mleba.

Šomiša rula ya gago goba morumothwi go bona gore ke dipalophatlo dife tšeo di lekanago, gomme, gore o tšhūšage, araba dipotšišo tše.

Ka go šomiša lebotlo le arogantšwego ka dipalophatlo, hwetša mekgwa ye e fapanego ya go dira:

a. Seripagare se tee $\frac{1}{2}$	_____
b. Palotlolo e tee (l)	_____
c. dikotara tše tharo $\frac{3}{4}$	_____

Lekola!
Bapetšal!
Lokšal!



Tlhopho le kabelano di tšwetšwa pele



Dipalelo tša ka lebelo.

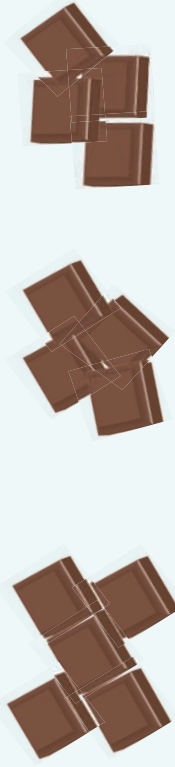
Nyaka dikgakanyi.

$30 \div 3 =$	$15 \div 3 =$	$60 \div 3 =$	$600 \div 3 =$
$150 \div 3 =$	$24 \div 4 =$	$24 \div 8 =$	$240 \div 4 =$
$120 \div 4 =$	$12 \div 4 =$	$40 \div 10 =$	$40 \div 5 =$
$400 \div 10 =$	$400 \div 5 =$	$200 \div 5 =$	$18 \div 2 =$
$36 \div 2 =$	$72 \div 2 =$	$72 \div 4 =$	$72 \div 8 =$

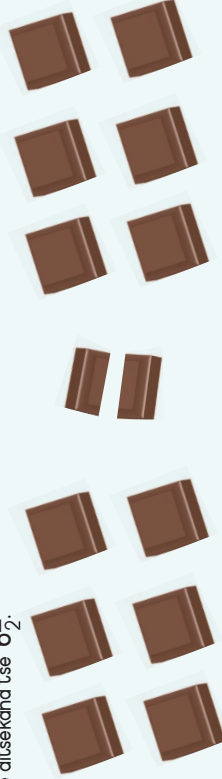


Abaganya mašaledi.

Mogoroši le Molelo ba nyaka go abagana ditsekana tše 13 tša tšhokolete. Yo mongwe le yo mongwe o hwetša ditsekana tše kae?



Ba ka kgona fela go abagana dikwere tše 12 tše di feletšego. Mongwe le mongwe o hwetša tše tshela. Setsekana se se šetšego ba se arola diripa tše pedi tša go lekana. Ka fao, yo mongwe le yo mongwe o ba le ditsekana tše $6\frac{1}{2}$.

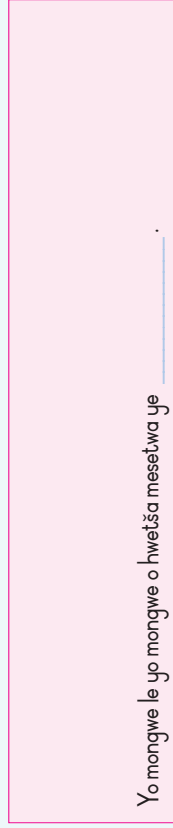


- a. Moletlong, mesetwa ye 25 ya swikiri e abaganywa magare ga bana ba 10. Abaganya ka mo go swanetšego! Thala diswantšho gore di go thuše.



Yo mongwe le yo mongwe o hwetša mesetwa ye _____.

- b. Abaganya mesetwa ye 37 magare ga bana ba 4.



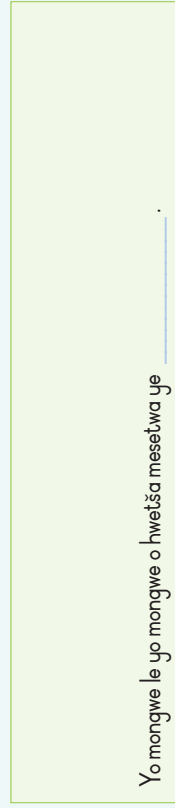
Yo mongwe le yo mongwe o hwetša mesetwa ye _____.

- c. Abaganya mesetwa ye 48 magare ga bana ba 5.



Yo mongwe le yo mongwe o hwetša mesetwa ye _____.

- d. Abaganya mesetwa ye 73 magare ga bana ba 10.



Yo mongwe le yo mongwe o hwetša mesetwa ye _____.

Dipalophatlo tša thenekramo

Thenekramo ke phasele ya kgale ya Matsihaena ye e bopilwego ka dibopego tša go fapana tša phaphathi, tše di bitšwago dithene. Ka moka di kopanywa go hlama dibopego tša go fapana



Dipalophatlo ka go thenekramo.

	Lebelela phasele ya thenekramo. Ke palophatlo efe ya sekwere se se feletšego yeo e lego ye nngwe le ye nngwe ya dikhutlotharo tše pedi tše kgolo? (Pink mo seswantšhong.)	—
	Ge o ka mena se sengwe sa dikhutlotharo tše kgolo, wa dira diripana tše pedi tša go lekana, seripana se sengwe le se sengwe se lekana le khutlotharo ya bogolo bja magareng (Serolane mo seswantšhong). Ke palophatlo efe ya sekwere se se feletšego yeo e lego ye nngwe le ye nngwe ya dikhutlotharo tša magareng?	—
	Ge o ka mena se sengwe sa dikhutlotharo tše kgolo, wa dira diripana tše pedi tša go lekana, seripana se sengwe le se sengwe se lekana le khutlotharo ya bogolo bja magareng (Taldlerata mo seswantšhong). Ke palophatlo efe ya sekwere se se feletšego yeo e lego ye nngwe le ye nngwe ya dikhutlotharo tše nnyane?	—
	O ka bea mmogo dikhutlotharo tše pedi tše nnyane, ga hlama sekwere. Ke palophatlo efe ya sekwere se se feletšego yeo e lego sekwere se sennyane?	—
	O ka bea mmogo dikhutlotharo tše pedi tše nnyane, wa hlama paralelekramo. Ke palophatlo efe ya sekwere se se feletšego yeo e lego paralelekramo?	—



Go šomiša thenekramo.

Sega dithenekramo tše pedi go tšwa go Sesegwa sa ba-12 gomme o phane setlankana go seripana se sengwe le se sengwe le bopalophatlo bja sona bja sekwere se se feletšego. (Tše ke dibopego tša dithenekramo tša motho.)

Mamarētša leina la gago ka morago ga seripana se sengwe le se sengwe bofelong bja papadi.

1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

Papadi ya dipalophatlo ya dikabelo, ya go se jeletše.

Bapala le baraloki ba 4-8, o šomiša diripana tša thenekramo ya gago.

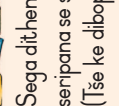
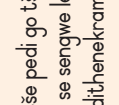
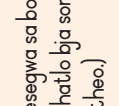
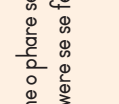
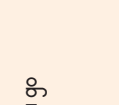
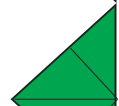
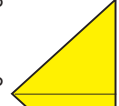
1. Baraloki ba šielana go ba mogwebi.
2. Mogwebi o tšea sephetho sa gore ke palophatlo efe ya thenekramo ye e feletšego yeo moraloki yo mongwe le yo mongwe a swanetšego go e lahlela ka seroŋong.
3. Moraloki yo mongwe le yo mongwe o tla dira sebokuboku sa go re khaine e tla wa, ya iša lehlakore lefe godimo/tlase. Gona fao mogwebi o tla dikaloša khaine.
4. Ka morago mogwebi o abaganya se se lego ka seroŋong ka ntle le go jeletša, magareng ga bao ba nepilego. (A ka swanelwa ke go gwebišana ka seripa se tee goba go feta gore a hwetše diripana tša maemo a go lekana le a tša gagwe.)
5. Mašalela a go palago go a abaganya a šala ka seroŋong, a letile phadišano yeo e latelela.
6. Baraloki ka moka ba a lekola, go kgonthiša gore kabagano e dirwa ka tshwanele.
7. Ge moraloki a ka bona phošo, mogwebi o a otlwa gomme a lefa $\frac{1}{8}$ ya sekwere se se feletšego, a lefa moraloki wa mathamo yoo a bonego phošo yeo.
8. Moraloki yo a se nago le diripana tša go bapala, a ka tšea tšeo di šetšego ka seroŋong.
9. Papadi e tšwela pele go filha ge moraloki yo mongwe le yo mongwe a hweditše sebaka sa go ba mogwebi.


 $\frac{1}{4}$

Nna ke tla lekela khutlotharo e tee ye kgolo.

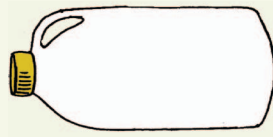


Ditšeeswang tše pedi di lekana le teeneng. Nka lekela sekwere le paralelekramo.





Šomiša setšhelo sa lepotlelo la plastiki le komiki.



Komiki (250 ml)

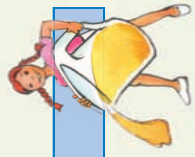
Setšhelo sa 1 litara



Dira litara.

Hwetša mokgwa wa go dira litara o šomiša mabokaalo a a fapanago a diela. Ngwala lefokopalo godimo ga mokgwa wo mongwe le wo mongwe.

Lefokopalo: $500 \text{ ml} + 500 \text{ ml} = 1000 \text{ ml (1 l)}$



Lefokopalo $= 1000 \text{ ml (1 l)}$

Lefokopalo $= 1000 \text{ ml (1 l)}$

Lefokopalo $= 1000 \text{ ml (1 l)}$

Lefokopalo $= 1000 \text{ ml (1 l)}$

Ge ne ngwala dišupo tša metriki, ne šia sekgoba se sennyanne magare ga mono wa mafelele le sešupo. Mohlala: ne ngwala 3 l e sego 3l; 299 g e sego 299g; 15 km e sego 15km.

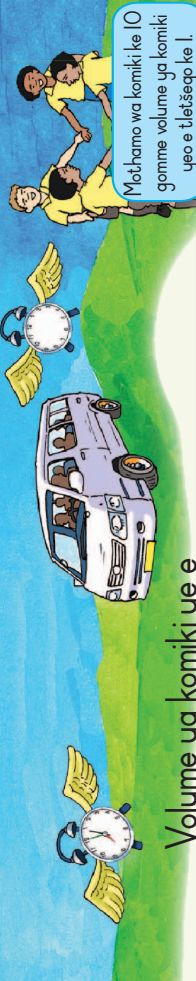


Go lekanyetša mothamo

O nagana gore setšhelo se se ka tlatšwa ke dikomiki tše kae?

Ga go bohlokwa gore o bolele dilitara gaba dimililitara. Šomiša fela mantšu a: "komiki" le "lepotlele".

Lešatšakgwadi:

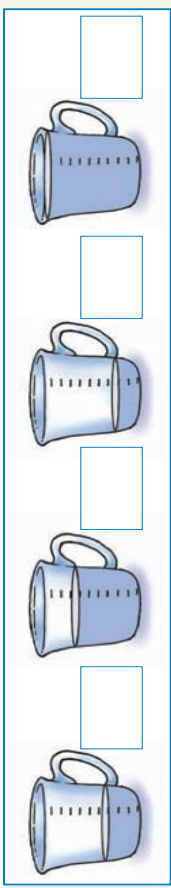


Volume ya komiki ye e tlatitšwego ke komiki ye nngwe le ye nngwe, ke bokae?

Mothamo wa komiki ke 10 gomme volume ya komiki yeo e tlatšego ke 1.



Lehwana le tlatša komiki go fihla go sekgala sa mathamo.

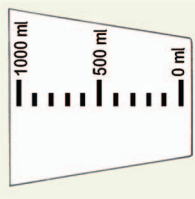


Re ela bokaalo bjo bonnyane bja seela ka dimililitara (ml).

Komiki ye ya go ela sehlare e rwala 10 ml, yeo e ka bago bokaalo bja mahwana a teye a mabedi.

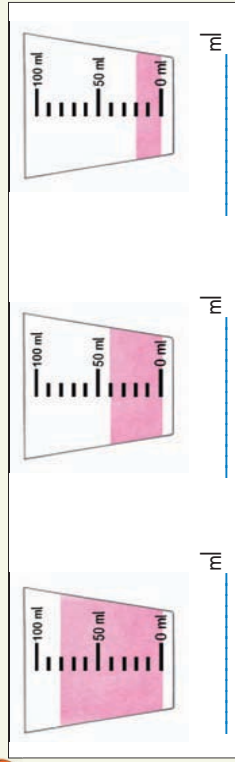
Re ela bokaalo bjo bontši ka litara e tee (l).

Go na le dimililitara tše seketse ka go litara e tee.



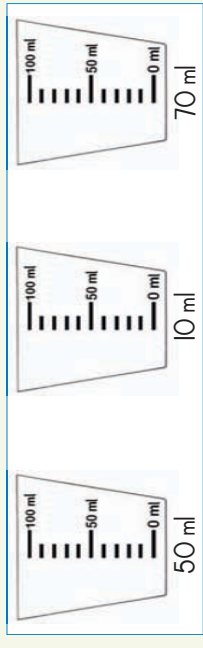
Seela ke se sekaakang?

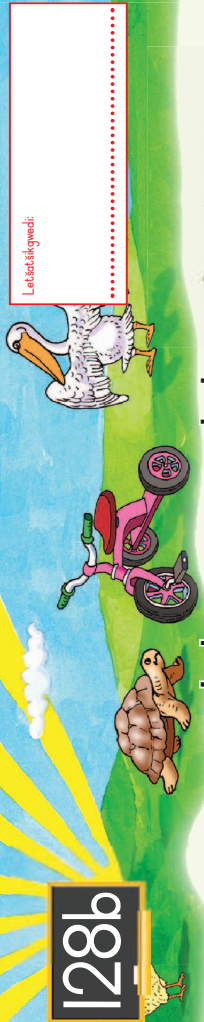
Go na le dimililitara tše kae tša seela ka jekeng?



Seela ke se sekaakang?

Khalara dikomiki tša dihlare go bontšha bokaakang ka komiking ye nngwe le ye nngwe.





Lekanyetša o tšhele

Papadping.

Ka nako ya go khutša moradoki o nwa $\frac{1}{4}$ ya litara ya tšuse



a. Na ke baradoki ba bakae ba ba ka abelanago?

1 litara 4 dilitara $2\frac{1}{2}$ dilitara

b. Na ba nyaka tšuse ye kaakang go fa?

Baradoki ba 8 Baradoki ba 9 Baradoki ba 12



Dilitara le dimilitara (ml).

1 litara = 1000 ml $\frac{1}{2}$ sa litara = ml $\frac{1}{4}$ ya litara = ml
 125 ml = ya litara 50 ml = ya dilitara



Dira seripagare sa litara.

Swaya (✓) bokaalo bja a 3 ao a dirago seripagare sa litara

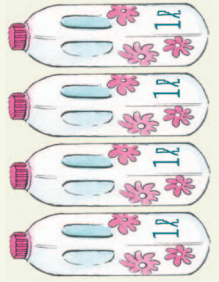
120 ml	140 ml	160 ml	28 ml	240 ml



Maswi a go loketše!

Abang dilitara tše 4 tša maswi magare ga:

- a. Bana ba 8 O tee o hwetša dilitara tše
- b. Bana ba 16 O tee o hwetša dilitara tše
- c. Bana ba 12 O tee o hwetša dilitara tše



Lebenkele la Tšuse la Tumišo.

Mo go jeke e tee (1), Tumišo o šomiša kotara e tee ($\frac{1}{4}$) ya komiki ya tšuse le dikomiki tše pedi (2) tša meetse.

Hwetša gore Tumišo o šomiša tšuse ye kae le meetse a makae go dira dijeke tše hlano (5) tša tšuse.

Dijeke	1	2	3	4	5
Dikomiki tša tšuse	Kotara e tee ($\frac{1}{4}$)				
Dikomiki tša meetse	2				



Dira litara.

50 ml	100 ml	200 ml	250 ml	500 ml

Na go mohuša wo mongwe le wo mongwe wa setšhelo ke dišhelo tše kae, tše o di nyakago go dira litara?

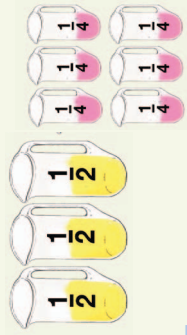
- a. $\times 100$ ml b. $\times 200$ ml c. $\times 250$ ml
- e. $\times 500$ ml f. $\times 50$ ml



Ka morago ga moletlwana.

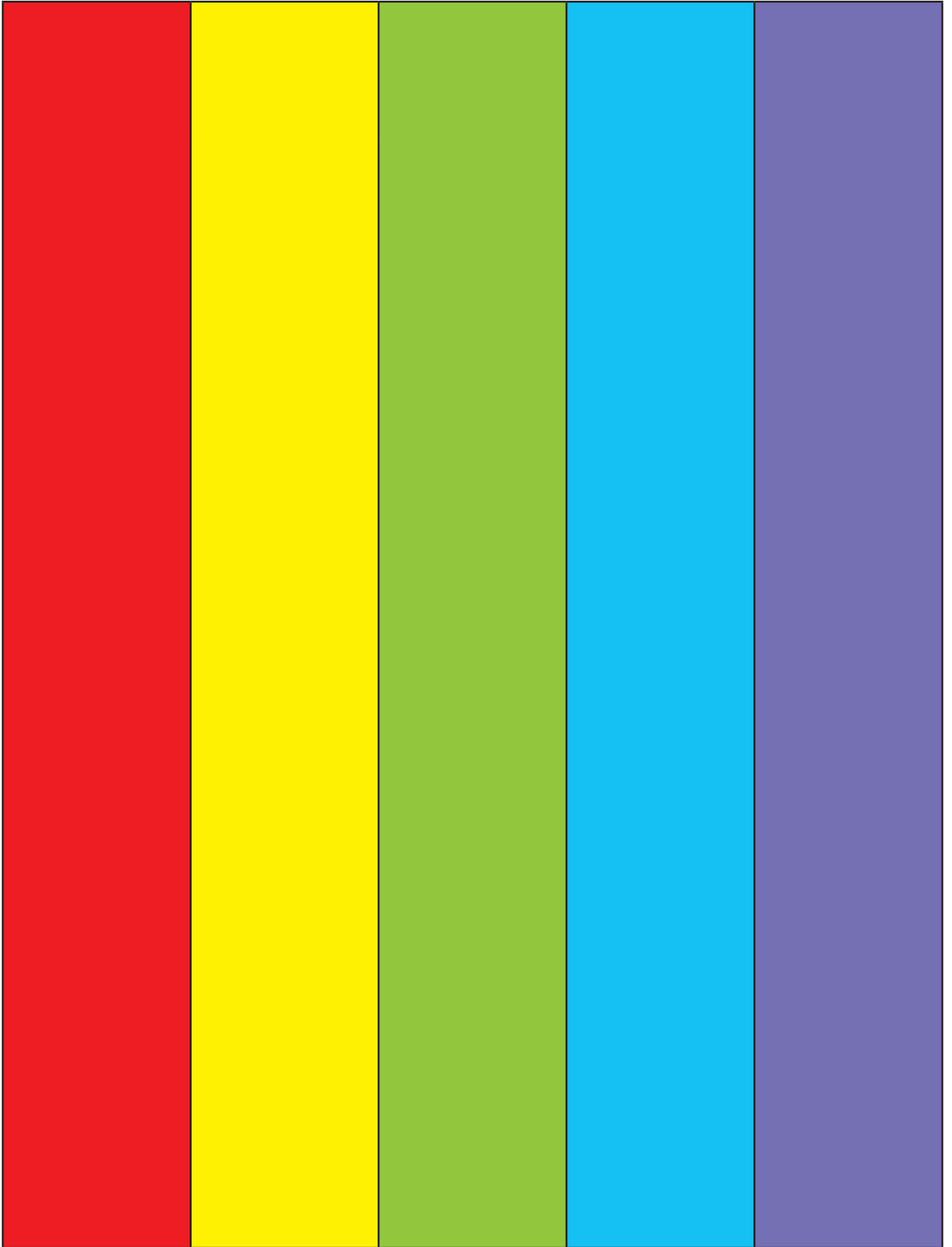
Moletlwana wa Thandi o fedile. Go na dino tše di šetšego.

- Go šetše tšuse ye serolane ye kaakang?
- Go šetše tšuse ye phepholo ye kaakang?
- Thandi o tswaka ditišuse tše pedi.
- A ka tlatša dijeke tše kae?

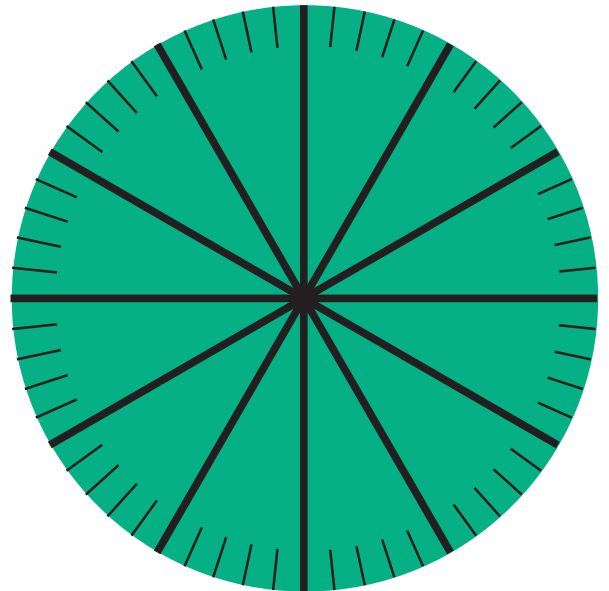
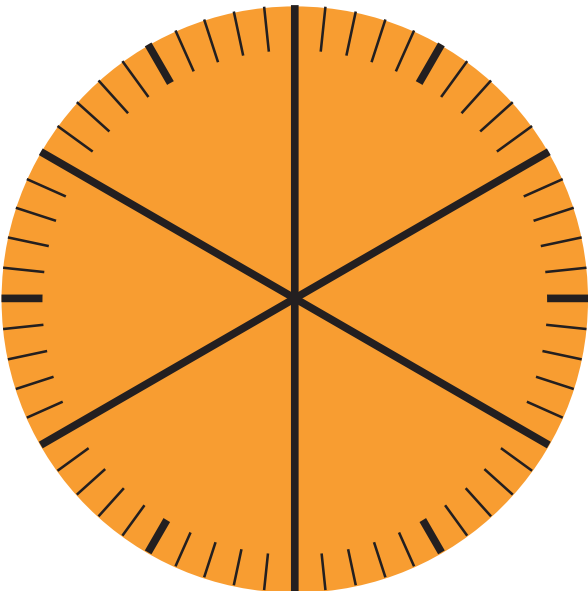
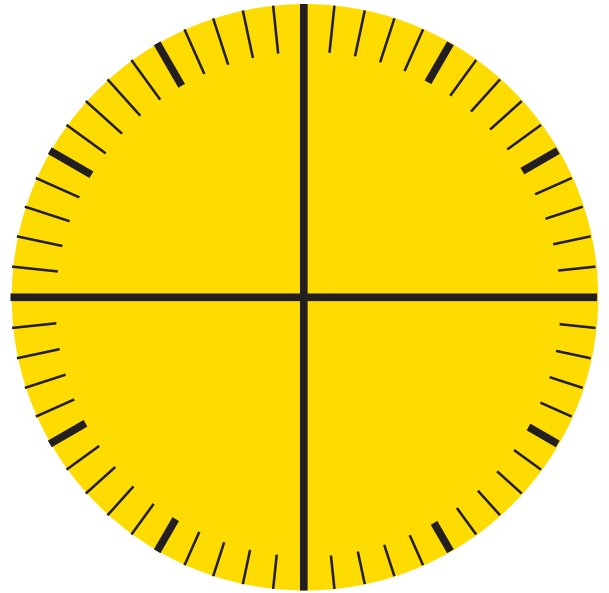
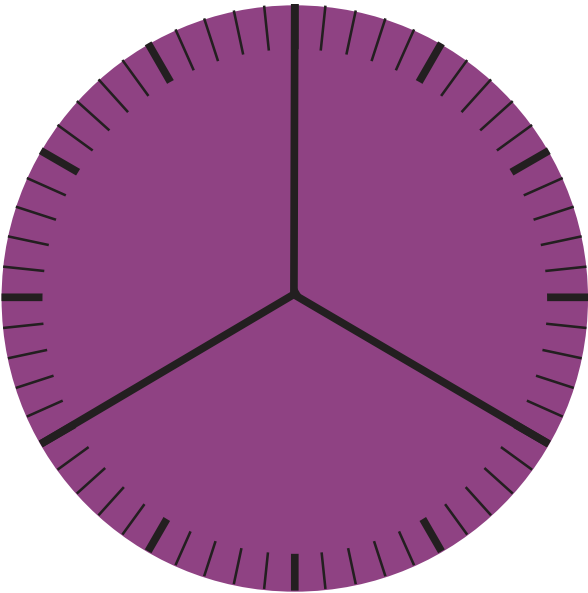
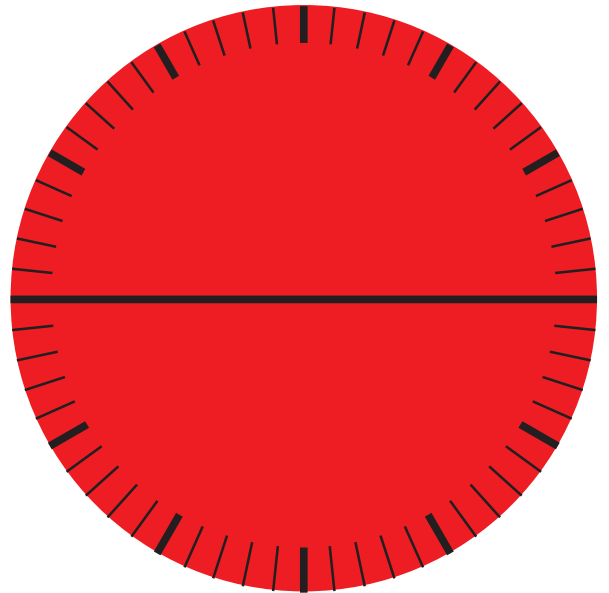
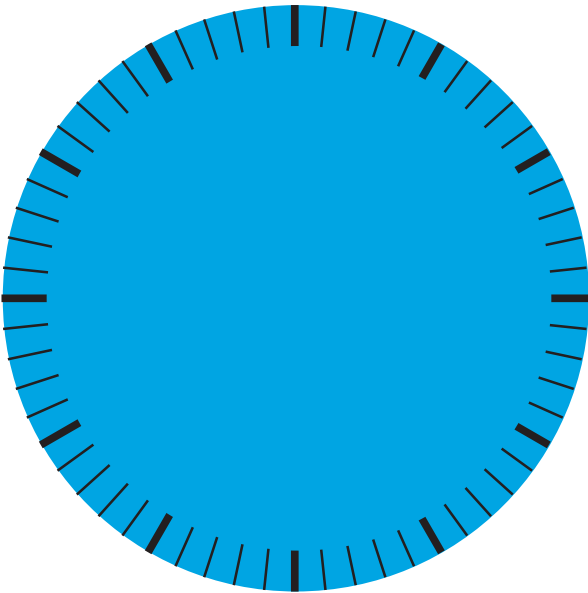


Lekala! Bapetšal Lokisa!

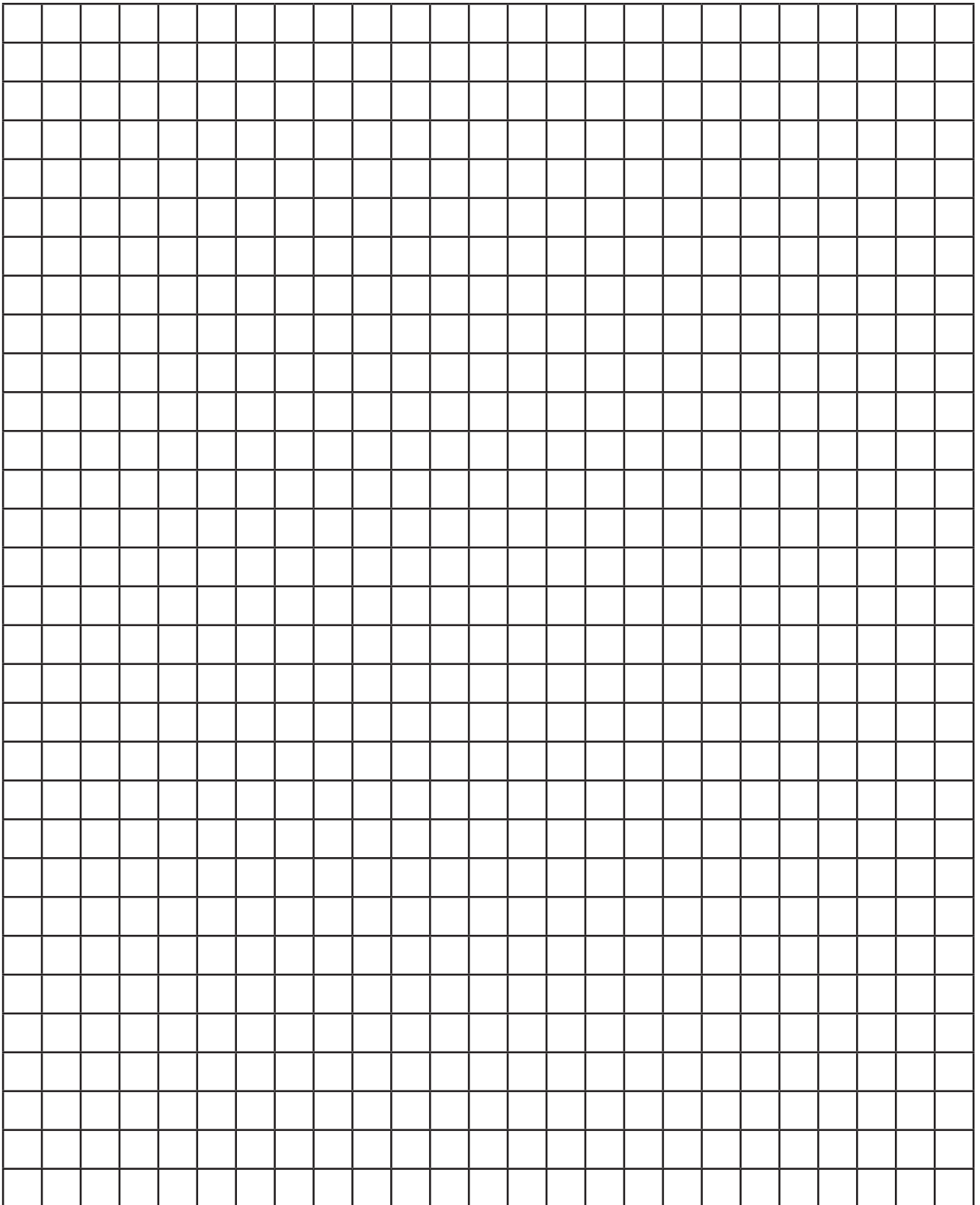
Sesegwa sa 5



Sesegwa sa 6



Sesegwa sa 7



Sesegwa sa 8

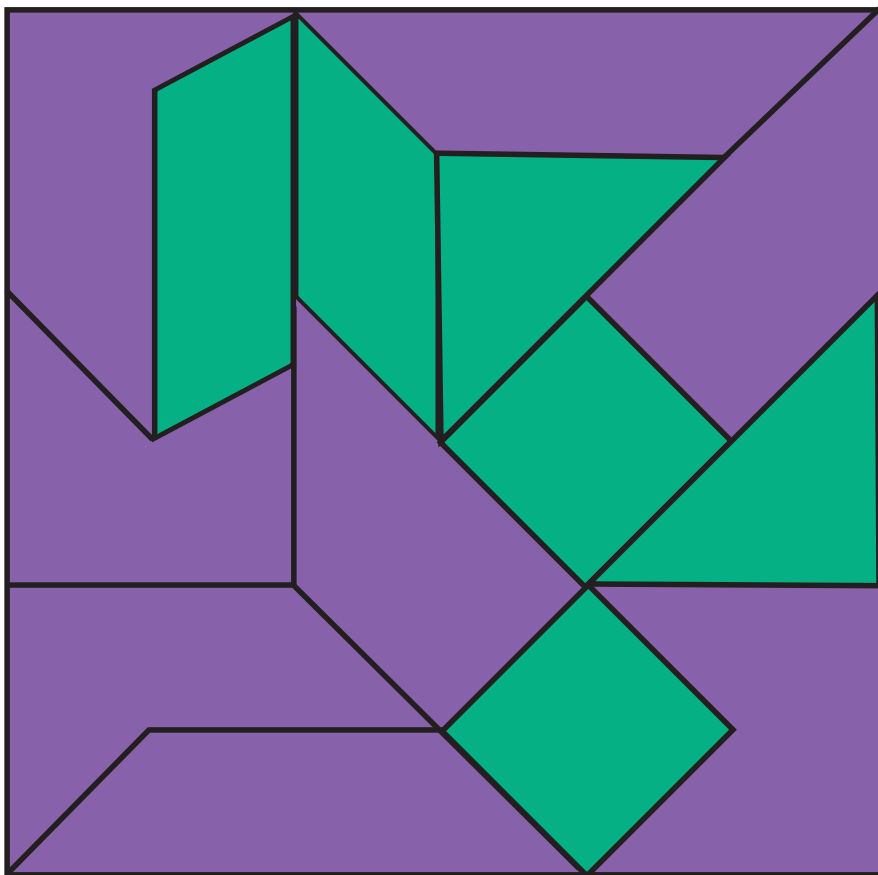
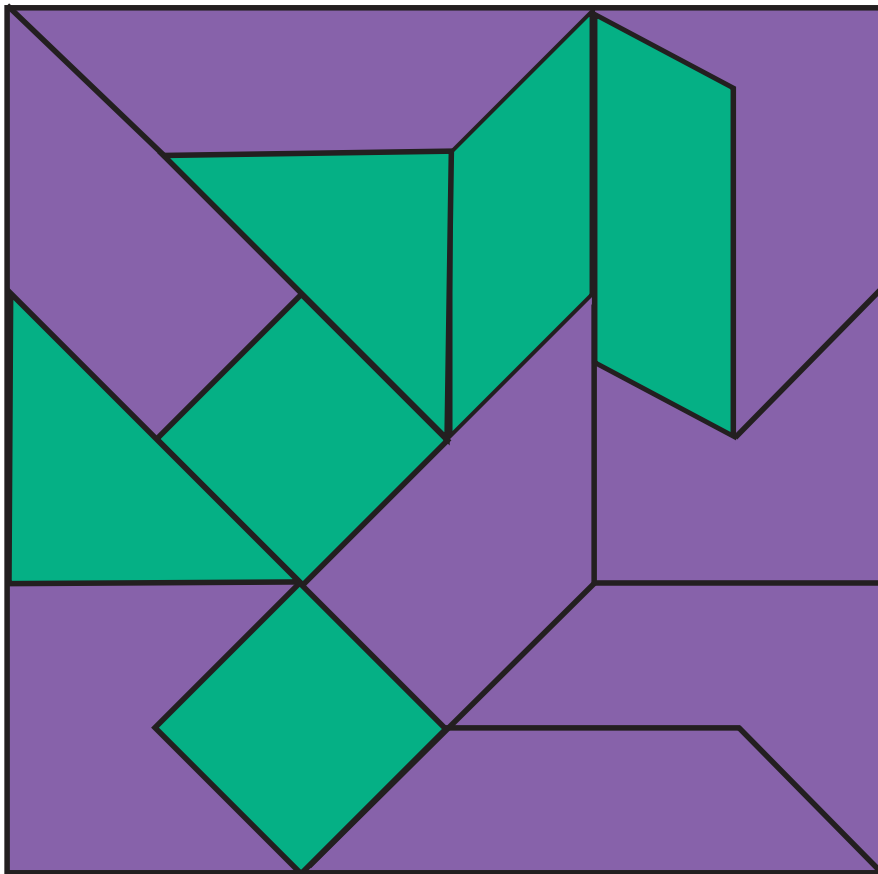
I _c	
IO _c	
RI _s	
RIO _s	
RIOO _s	

Sesegwa sa 9

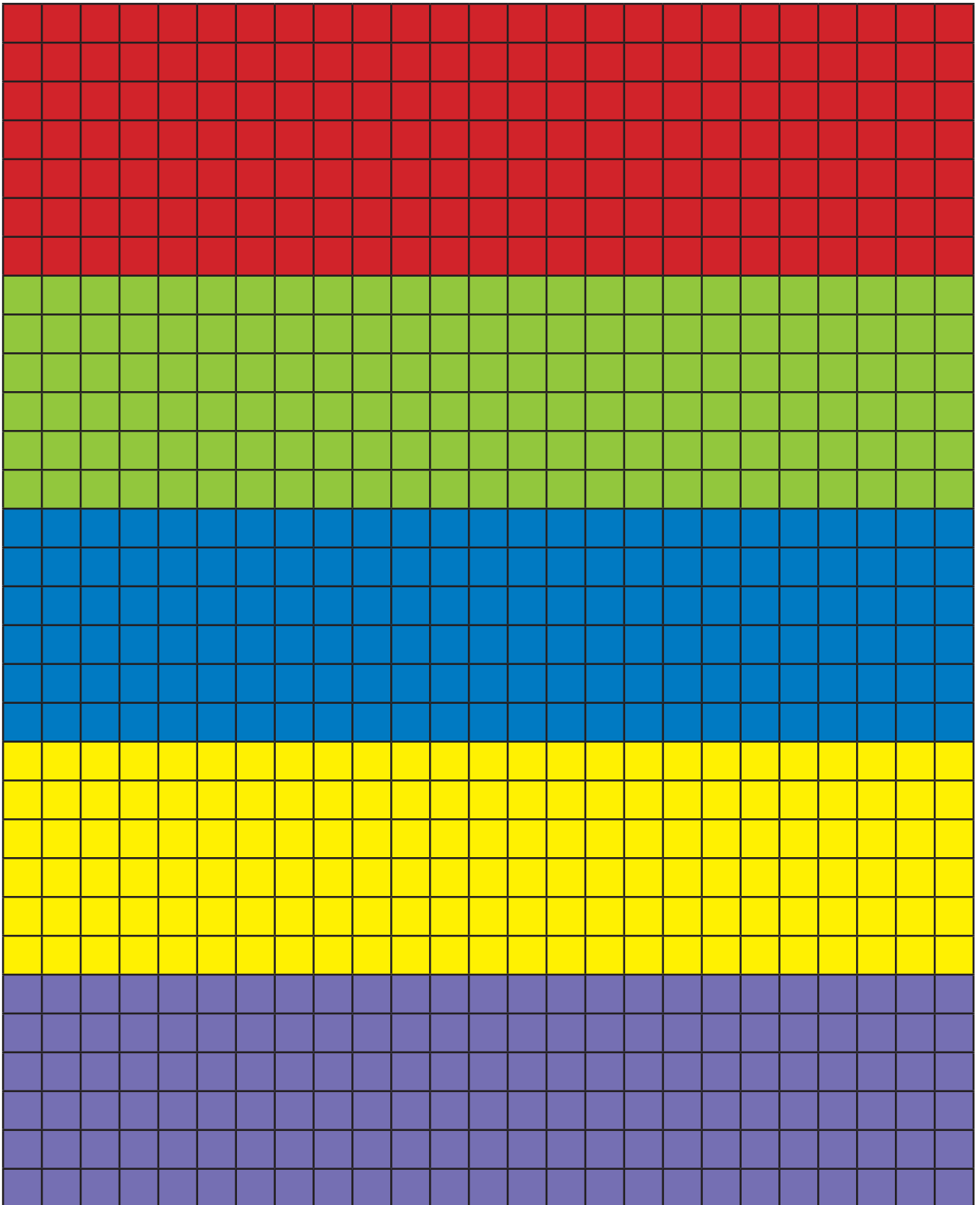
RIOO	RIOO	RIOO	RIOO
RIOO	RIOO	RIOO	RIOO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO

RI	RI	RI	RI	RI	RI	RI	RI
RI	RI	RI	RI	RI	RI	RI	RI
IO _c	IO _c	IO _c	IO _c	IO _c	IO _c	IO _c	IO _c
IO _c	IO _c	IO _c	IO _c	IO _c	IO _c	IO _c	IO _c
lc	lc	lc	lc	lc	lc	lc	lc
lc	lc	lc	lc	lc	lc	lc	lc

Sesegwa sa IO



Cut-out II



Cut-out 12

