

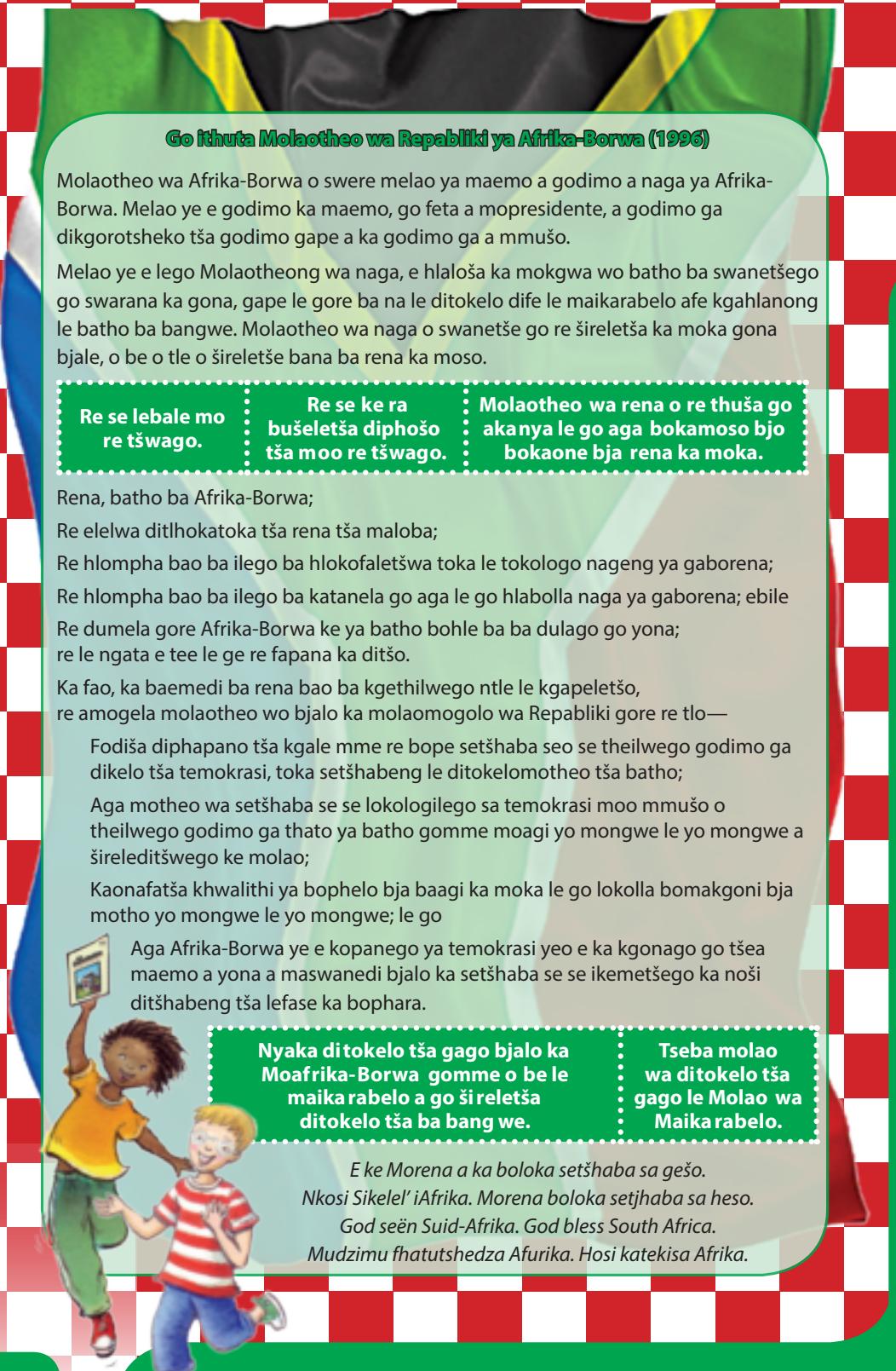


MATHEMATICS IN SEPEDI
GRADE 3 – BOOK 1
TERMS 1 & 2
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Go ithuta Molaotheo wa Repabliky ya Afrika-Borwa (1996)

Molaotheo wa Afrika-Borwa o swere melao ya maemo a godimo a naga ya Afrika-Borwa. Melao ye e godimo ka maemo, go feta a mopresidente, a godimo ga dikgorotsheko tša godimo gape a ka godimo ga a mmuso.

Melao ye e lego Molatheong wa naga, e hlaloša ka mokgwo wo batho ba swanetšego go swarana ka gona, gape le gore ba na le ditokelo dife le maikarabelo afe kgahlanong le batho ba bangwe. Molaotheo wa naga o swanetše go re šireletša ka moka gona bjale, o be o tle o šireletše bana ba rena ka moso.

Re se lebale mo re tšwago.

Re se ke ra bušeletša diphošo tša moo re tšwago.

Molaotheo wa rena o re thuša go akanya le go aga bokamoso bjo bokaone bja rena ka moka.

Rena, batho ba Afrika-Borwa;

Re eelwa ditlhokatoka tša rena tša maloba;

Re hlompha bao ba ilego ba hlokoletšwa toka le tokologo nageng ya gaborena;

Re hlompha bao ba ilego ba katanelo go aga le go hlabolla naga ya gaborena; ebile

Re dumela gore Afrika-Borwa ke ya batho bohole ba ba dulago go yona;

re le ngata e tee le ge re fapano ka ditšo.

Ka fao, ka baemedi ba rena bao ba kgethilewgo ntlo le kgapeletšo, re amogela molaotheo wo bjalo ka molaomogolo wa Repabliky gore re tlo—

Fodiša diphapano tša kgale mme re bope setšhaba seo se theilwego godimo ga dikelo tša temokrasi, toka setšhabeng le ditokelomotheo tša batho;

Aga motheo wa setšhaba se se lokologilego sa temokrasi moo mmuso o theilwego godimo ga thato ya batho gomme moagi yo mongwe le yo mongwe a šireletšwego ke molao;

Kaonafatša khwalithi ya bophelo bja baagi ka moka le go lokolla bomakgoni bja motho yo mongwe le yo mongwe; le go

Aga Afrika-Borwa ye e kopanego ya temokrasi yeo e ka kgonago go tše maemo a yona a maswanedi bjalo ka setšhaba se se ikemetšego ka noši ditšhabeng tša lefase ka bophara.

Nyaka ditokelo tša gago bjalo ka Moafrika-Borwa gomme o be le maika rabelo a go šireletša ditokelo tša ba bang we.

Tseba molao wa ditokelo tša gago le Molao wa Maika rabelo.

E ke Morena a ka boloka setšhaba sa gešo.
Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afurika. Hosि katekisa Afrika.

MMETSE KA SEPEDI – Mphato wa 3 Puku ya 1

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MMETSE KA SEPEDI

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Mdi Angie Motshekga,
Tona ya Thuto ya Motheo



Mna Enver Surty,
Motlatša-Tona ya Thuto
ya Motheo

Dipukutšomo tše di tšweleeditšwe 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 yona e lego go kaonafatša mošomo wa barutwana ba Afrika-Borwa bao ba lego mephatong ye tshela ya mathomo. Projekte ye, bjalo ka ge e le ye nngwe ya dinepokgolo tša Dithulaganyo tša go Diragatša tša Mmušo, e kgonne go diragala ka thekgo ya mašeleng a go tšwa, ka ntle le go kgokgona go Sešegotlotlo sa Bosetšhaba. Se se kgontšitše Kgoro go dira dipukutšomo 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 tšhomiošo ya dipukutšomo tše.



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Author team: Smith, P., Blom, L. Aitchison, J.J.W.

Mphato
wa

3



M m e t s e
KA SEPEDI

Puku ye ke ya:



SEPEDI

Puku ya

I

Letšatšikg wedi:

.....

Kotara ya |

Bala, beakanya o be o laetše!



Na go na le dinaledi tše kae?

Bapetša dikarabo.



Akanya gore ke dinaledi tše kae. _____

Bjale di bale! _____

Hwetša mothopasefoka!



Na ke mang yo a akantšego go feta ba bangwe?

Ngwala maina a gago le dikarabo ka gare ga lenaneo le.

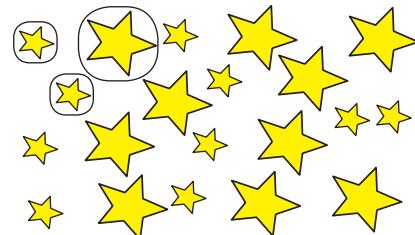
Leina				
Kakanyo				
Palo ye e badilwego				
Phapano magareng ga kakanyo ya gago le seo o se badilego				



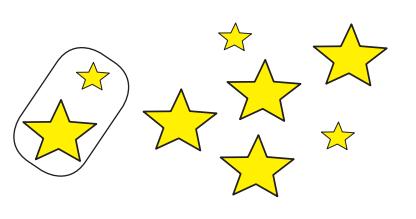
Ditsela tša go bala. Re thuše go e ngwala.



Ke badile
ka di 1.



1, 2, 3, _____



Ke badile
ka di 2.

2, _____



Ke badile
ka di 5



5, _____



Ke badile
ka di 10



Ngwala mafokopalo

Ngwala mafoko a mabedi go fa palomoka ya dinaledi tše kgolo le tše nnyane mo seswantshong sa mo go letlakala la 2. Di ngwale ka mekgwa ye mebedi.

Ge o hlakanya dinomoro dife goba dife tše pedi, ga go tshwenye gore tatelano ya tšona ke efe.

Kgolo Nnyane Bjalo ka ye:

goba

Bjalo ka ye:

$$\star + \star = \underline{\quad}$$

$$\star + \star = \underline{\quad}$$

Gape bjalo ka lefokopalo.

$$\underline{\quad} + \underline{\quad} = \underline{\quad} \quad goba \quad \underline{\quad} + \underline{\quad} = \underline{\quad}$$



Teacher:
Sign: _____
Date: _____

2

Letšatšikg wedi:

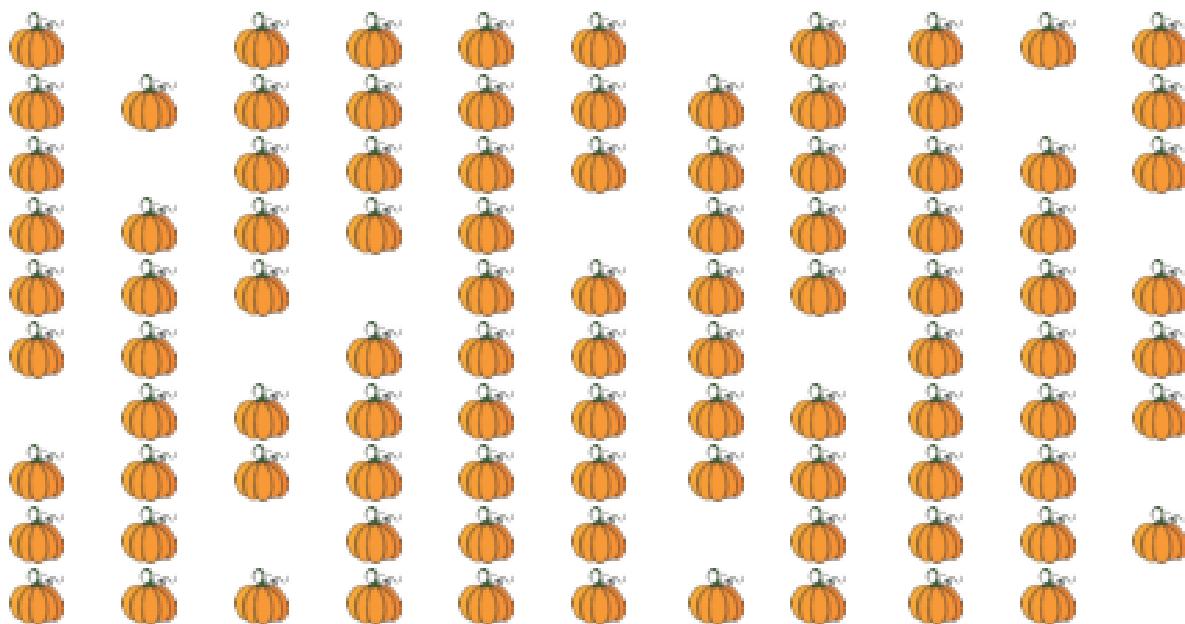
Kotara ya!



Go bala ka bohlale

Bala mafodi

Hwetša tsela ye bonolo ya go a bala.



Karabo: _____



Go paka mafodi

Mafodi a lesome a lokelwa ka mokotlaneng o tee.



Na o ka tlatša mekotlana ye mekae ka mafodi? _____

Go šetše mafodi a makae? _____

Go nyakega mafodi a makae gape go tlatša mokotlana wo mongwe gape?



Go tloga ka + go fihla ka × (go hlakanya le go atiša)

Feleletša mafokopalo.

Mohlala:

$$|O + |O + |O + |O = 40 \rightarrow \text{di } 4 \text{ tše } |O = 40 \rightarrow 4 \times |O = 40$$



a. $10 + 10 + 10 =$

$$\underline{\hspace{2cm}} \text{ dihlopha tša } 10 = \underline{\hspace{2cm}} \Rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

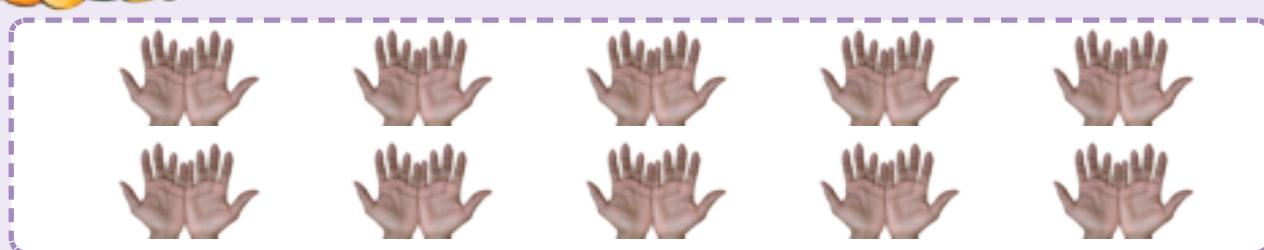


b. $10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 =$

$$\underline{\hspace{2cm}} \text{ dihlopha tša } 10 = \underline{\hspace{2cm}} \rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} =$$



Digtla le menwana



Na ke diatla tše kae? _____

Na ke menwana ye mekae? _____

Ngwala dikarabo tša gago ka ditsela tše 2.

_____ dihlopha tše |O ke = _____ le _____ × |O = _____



3a

Letšatsikg wedi:

Kotara ya I



Dinomoro godimo ga papetla ya makgolo

Go bolela ka dinomoro

Bolela dinomoro ka moka go tloga go 1 – 100.

Di šupe o le gare o tšwela pele go di bolela.

I	2	3	4	5	6		8	9	10
II									
						27			
				34					
41								40	
					55				
		63							
71									
					86				
			94						100



- Ngwala nomoro yeo e sego gona ka gare ga poloko ye nngwe le ye nngwe ye talalerata.
- Ngwala dinomoro tše dingwe.
- Dinomoro tše serolane ke tša mohuta mang?



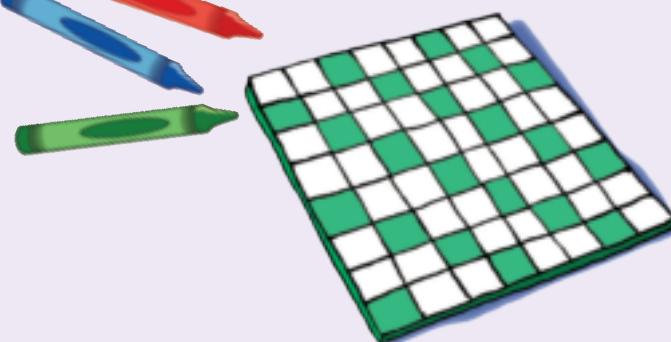
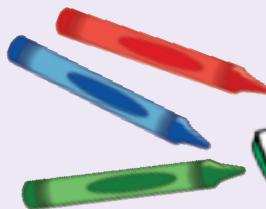
Ngwala dinomoro tše ka mantšu.

90	lesomesenyane	41	
77		56	
14		65	



Go bala le go khalara

Itokišetše go khalara!



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

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

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

Bala o be o hlophe
di-10.

Bala o be o hlophe di-5 go
tloga go 0 – 100.

Bala o be o hlophe di-2.

Bala ka di-10 go tloga go 10
go fihla go 100.

Bala ka di-5 go tloga go 5
go fihla go 100.

Bala ka di-2 go tloga go 2
go fihla go 100.

Ngwala ka di-10 go tloga go 10
go fihla go 100.

Ngwala ka di-5 go tloga go 5
go fihla go 80.

Ngwala ka di-2 go tloga go 2
go fihla go 100.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

3b

Letšatšikg wedi:

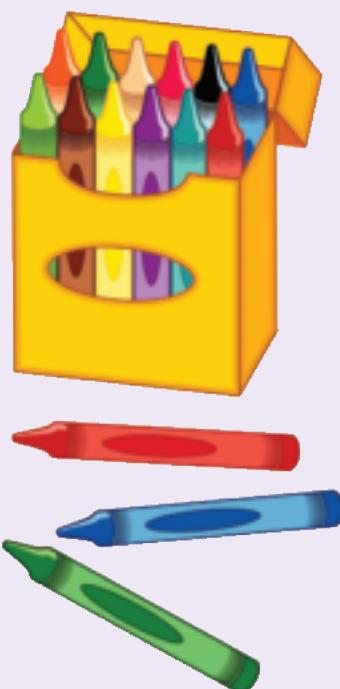
Kotara ya |



Dinomoro godimo ga papetla ya makgolo (di tšwela pele)

Go nyaka dipatrone

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

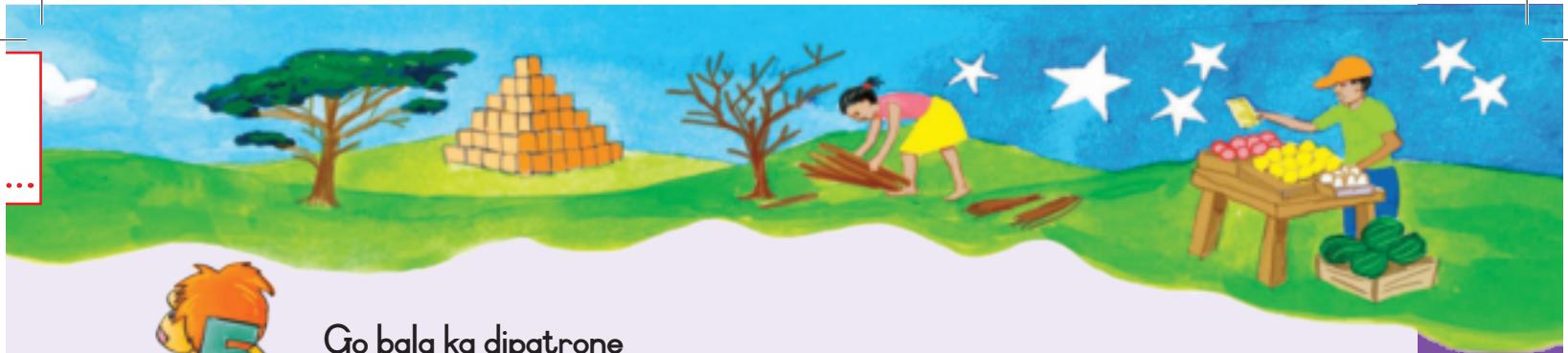


Swaya di-10 ka moka.

Swaya di-5 ka moka.

Swaya di-2 ka moka.

Ngwala dinomoro tša mathomo tše 20 tše di lego ka dipatrone tša di-2 le tša di-5.



Go bala ka dipatrone

Ngwala dinomoro tšeо di tlogetšwego.

0; 10; 20; _____; _____; 50; _____; _____; 80; _____; 100; _____;
_____; 130; _____; _____; 160; _____; _____; _____; 200

0; 5; 10; _____; _____; 25; _____; _____; 40; _____; 50; 55; _____;
_____; 70; _____; _____; 85; _____; _____; 100

0; 2; 4; 6; _____; _____; 12; _____; _____; 18; _____; 22; 24; _____;
_____; 30; _____; _____; 36; 38; _____; _____; _____; 46; _____;

0; _____; 8; _____; 16; 20; _____; 28; _____; 36; _____; _____; _____;
52; _____; _____; 64; _____; 72; _____; 80

0; _____; 10; _____; 20; _____; 30; _____; 40; _____; _____; 55;
60; _____; 70; 75; _____; 85; _____; _____; 100

0; 3; _____; 9; _____; 15; 18; _____; 24; _____; _____; 33; _____; 39;
_____; 45; _____; _____; 54; 57; _____; 63; _____; _____; 72; 75



4



Letšatšikg wedi:

.....

Kotara ya |



Go laetša dinomoro tša gago

Ntšha dikarata tša dinomoro go tšwa lephepheng la disegwa la I.
Šomiša dikarata go hlama dinomoro tše.

1q

43

6q

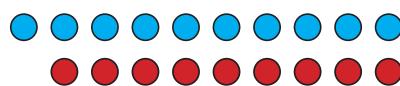
54

35

10 q



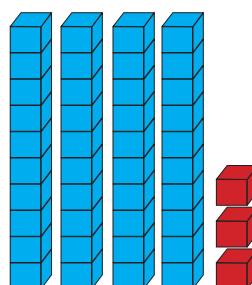
1q



10 q

$$10 + q = 1q$$

43



10
10
10
10
3

$$40 + 3 = 43$$

Bjale šomiša dikarata go hlama dinomoro tše. Šomiša disegwa tša I.

54

35

6q

10

1 2 3 4 5 6 7 8 9 10



Go ngwala dinomoro tše

Re go diretše ya mathomo.

Gape re ka re
di-l tše q

Iq	$10 + q$	lesome le di-l tše q	lesomesenyane
43			
69			
54			
35			
21			
73			
44			
32			
89			
17			
95			
56			
68			
67			



Ngwala dinomoro tše hlano tša mathomo tša lenaneong la ka godimo
ka tatelano go tloga go ye nnyane go ya go ye kgolo.

_____;	_____;	_____;	_____;	_____;
--------	--------	--------	--------	--------



5



Letšatšikg wedi:

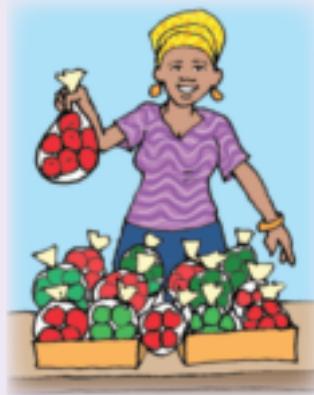
.....

Go hlakanya le go ntšha



Lebenkele la Lebo

Mesong Lebo o na le diphakete tše $|9$ tša diapola.
Ka letena o šetše ka diphakete tše $|3$.



a. Na Lebo o rekišitše diphakete tše kae? _____

b. Ngwala karabo ya gago ka tsela ya lefokopalo.

$$_____ - _____ = _____$$

Ngwala mafokopalo a mangwe a mahlano go laetša karabo ya go swana.

$$|5 - 9 = 6 \quad \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}}$$



Poeletšo ya dinomoro

Ngwala dikarabo.

$$1 + 2 = 3$$

Šomisa...
+ - =

$ 0 + 5 = \boxed{}$	$ 1 + 6 = \boxed{}$	$ 4 - 9 = \boxed{}$	$ 4 - 8 = \boxed{}$
$ 1 + 5 = \boxed{}$	$ 7 + 2 = \boxed{}$	$ 9 - 7 = \boxed{}$	$ 4 - 5 = \boxed{}$
$ 2 + 6 = \boxed{}$	$ 3 + 3 = \boxed{}$	$ 6 - 5 = \boxed{}$	$ 6 - 3 = \boxed{}$
$ 7 + 2 = \boxed{}$	$ 4 + 5 = \boxed{}$	$ 5 - 0 = \boxed{}$	$ 9 - 7 = \boxed{}$



Dipalo tša go sepelelana

5 9 14

Mehlala ya meloko ye ya dinomoro še:

$9 + 5 = \underline{ 4}$	$5 + 9 = \underline{ 4}$
$\underline{ 4} - 9 = 5$	$\underline{ 4} - 5 = 9$



Na o kgona go bona dipalo ka moka tša go sepelelana le I4?

$I + I3 = I4$	$I3 + I = I4$	$I4 - I = I3$	$I4 - I3 = I$
$2 + I2 =$			
$3 + II =$			
$4 + IO =$			
$5 + q =$			
$6 + 8 =$			
$7 + 7 =$			



Ke ile go dira bjalo
le ka I2.

I2

$I + II = I2$			
$2 + IO = I2$			
$3 + q = I2$			
$4 + 8 = I2$			
$5 + 7 = I2$			
$6 + 6 = I2$			



6



Letšatšikg wedi:

Kotara ya |

Dipedifatšwa le diripagare

Na o a gopolā?

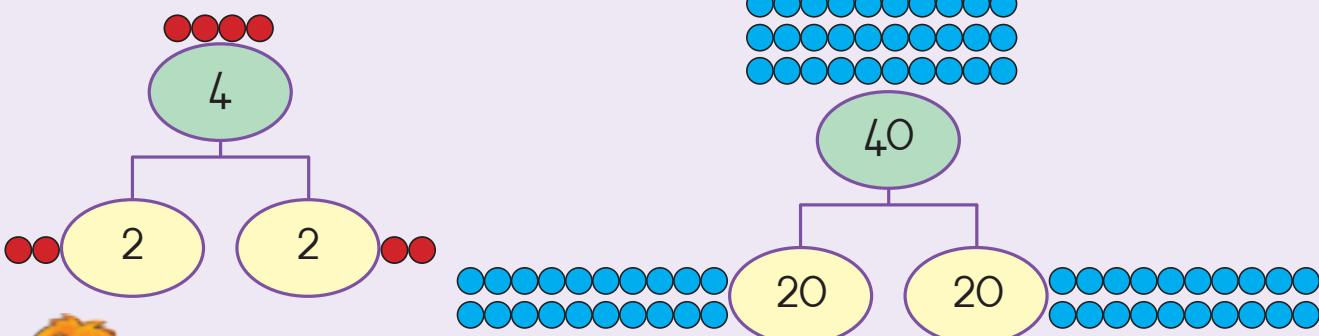
2 gabedi ke 4

20 gabedi ke 40

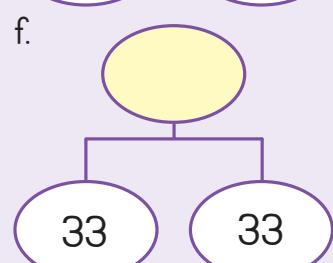
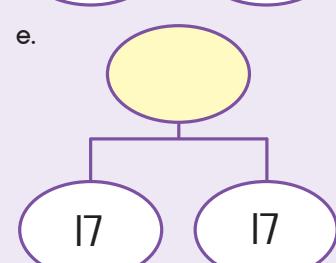
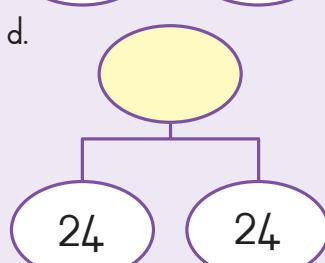
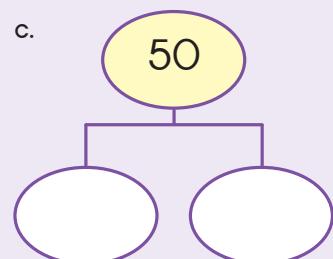
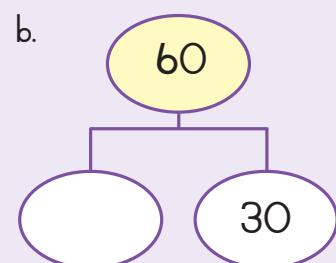
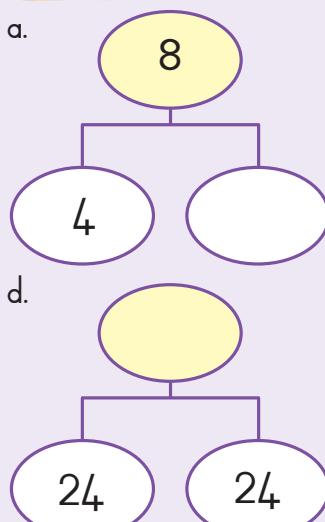
4 ke 2 gabedi

40 ke 20 gabedi

Re ka laetša se ka sethalwa



Go hwetša dipedifatšwa goba diripagare



Tlhohlo

Hwetša seripagare sa 3.

E laetše bjalo ka nomoro goba leinapalo. Sethalwa se ka go thuša.

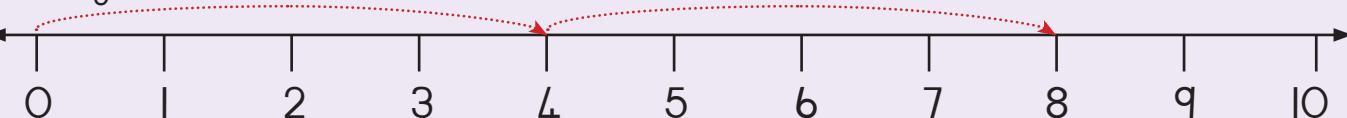


Pedifatša nomoro o šomiša mothalopalo.
O filwe mohlala wa mathomo.

a. 4 gabedi

+

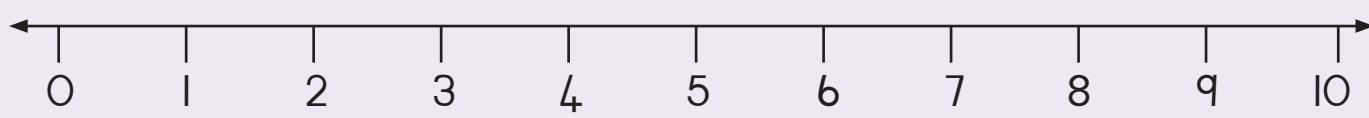
$= \boxed{8}$



b. 5 gabedi

+

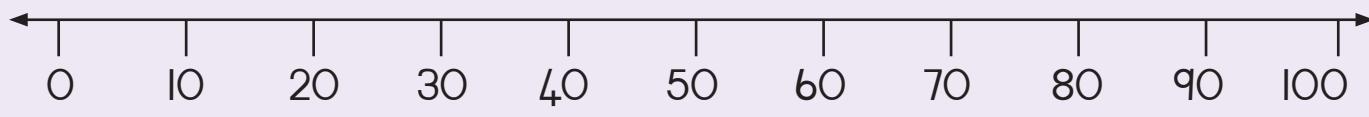
=



c. 20 gabedi

+

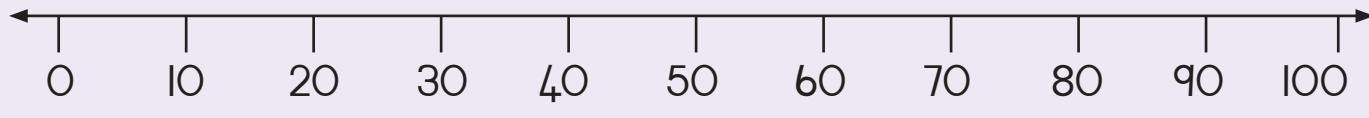
$= \boxed{}$



d. 40 gabedi

+

=



Feleletša tše di latelago

a. 1 gabedi	<input type="text" value="2"/>
b. 6 gabedi	<input type="text"/>
c. 10 gabedi	<input type="text"/>
d. 30 gabedi	<input type="text"/>
e. 50 gabedi	<input type="text"/>



Feleletša tše di latelago

a. Seripagare sa 6	<input type="text" value="3"/>
b. Seripagare sa 8	<input type="text"/>
c. Seripagare sa 14	<input type="text"/>
d. Seripagare sa 60	<input type="text"/>
e. Seripagare sa 70	<input type="text"/>





Letšatšikg wedi:

.....

Kotara ya |

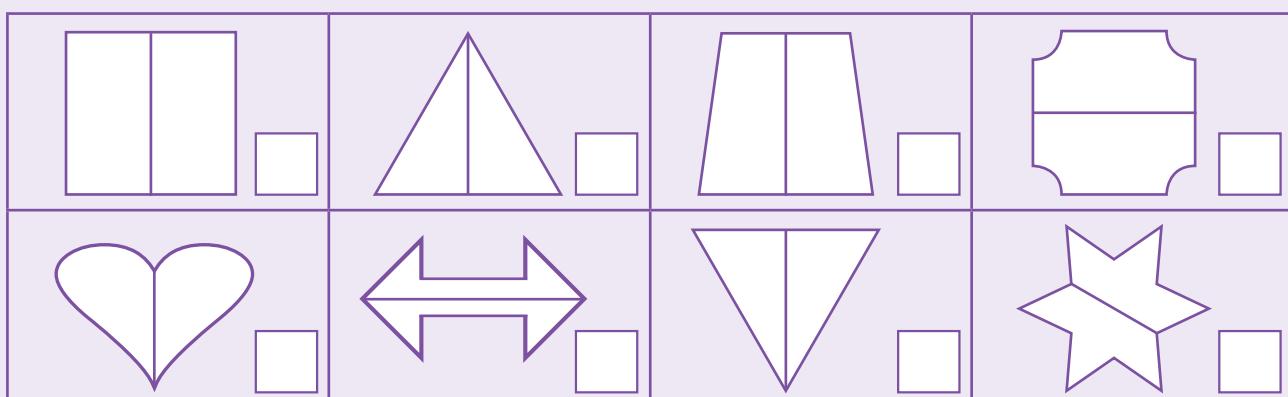
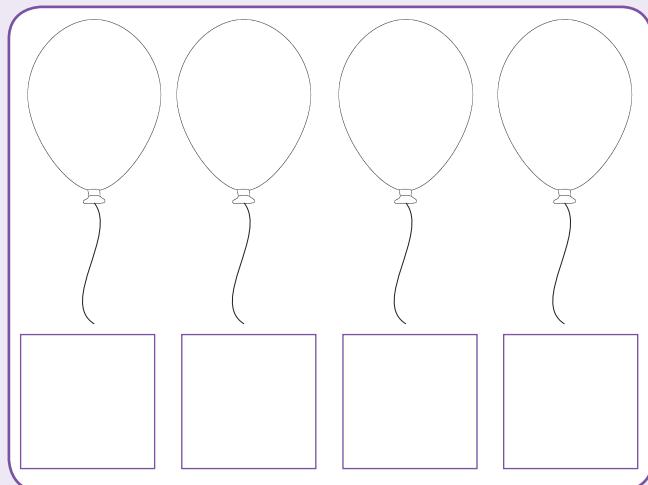
Dipalophatlo

Khalara kotara ya dipalune ka bohubedu, tše dingwe ka botalalerata.

Khalara seripagare sa lepokisi ka bohubedu.

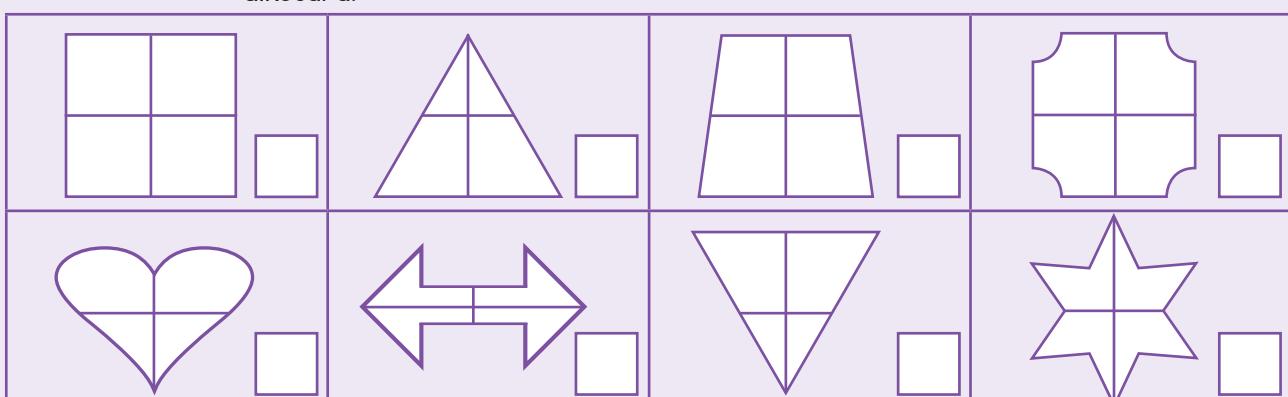


Lebelela seswantšho. Swaya dibopego tše di laetšago diripagare.
Khalara seripagare se tee sa sebopego se sengwe le se sengwe se se arotšwego ka diripagare.



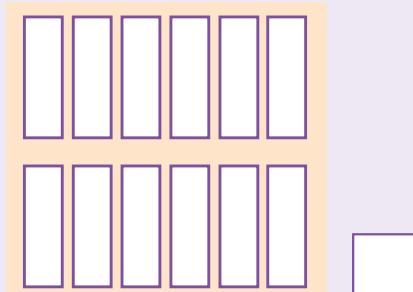
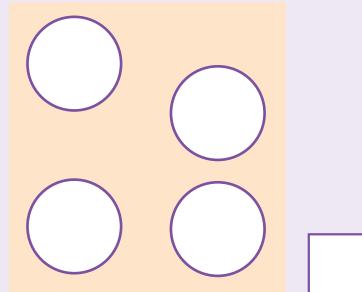
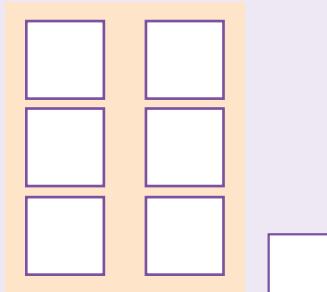
Lebelela dibopego. Swaya dibopego tše di laetšago dikotara.

Khalara kotara e tee ya sebopego se sengwe le se sengwe se se arotšwego ka dikotara.

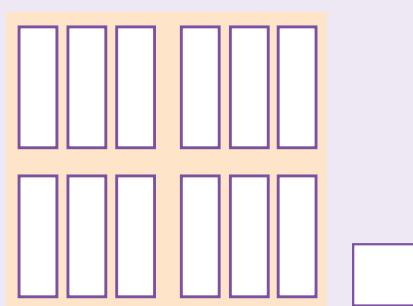
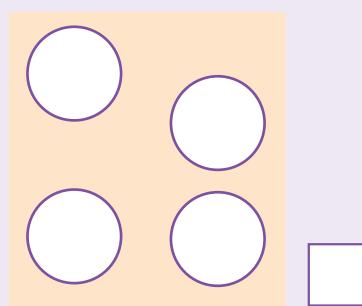
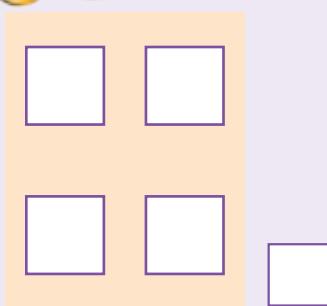




Khalara seripagare sa dibopego. Na seripagare sa palo ya dibopego ke eng?



Khalara kotara ya dibopego. Na kotara ya palo ya dibopego ke eng?



Ngwala karabo ka seka sa palophatlo.

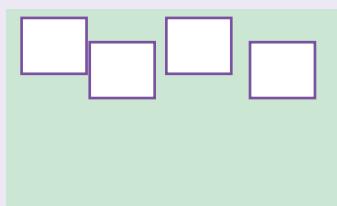
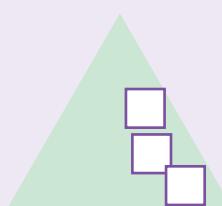
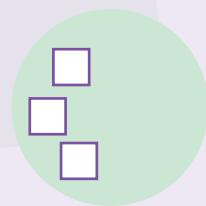
seripagare



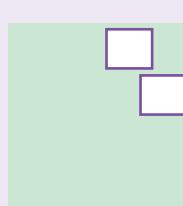
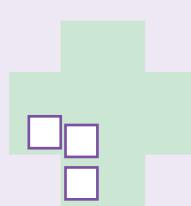
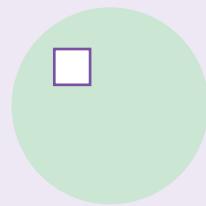
kotara



Thala dibopego tše dingwe gape o dire gore diripagare di lekane.



Thala dibopego tše dingwe gape o dire gore dikotara di lekane.



8

Letšatsikgwed:

Kotara ya |



Go hlopha tšhelete

Setokofeleng

MmaLetsoalo o bala le go hlopha tšhelete ya go tšwa go seholpha.



Akanya palomoka ya tšhelete. R _____

Bala tšhelete. R _____

Bapetša karabo ya kakanyo le ya palomoka



Go boloka tšhelete

Makete o boloka tšhelete ya go reka phere ya dieta tša theko ya R89.

Ga bjale o na le seripagare sa tšhelete.

Na o sa nyaka bokae?

Ngwala lefokopalo go laetša karabo ya gago.





Pankeng

Maria o breakanya tšelete ya pampiri ka mekgobo ya di 5.

"Le yena o sa šaletšwe ke tšelete ye nngwe ya pampiri."

Ngwala palomoka ya seswantšho se sengwe le se sengwe.



Palomoka

	R _____
	R _____
	R _____



Tlhhohlo

Leeto la serapeng sa diphoofto

Batho ba bangwe ba bagolo le bana ba ya serapeng sa diphoofto.

Ba reka dithekethet ts'a R90.

Na ke bana ba bakae? _____

Na ke batho ba bakae ba bagolo? _____

Na go na le karabo ye nngwe?

Batho ba bagolo _____ Bana _____





Letšatšikg wedi:

.....

Kotara ya |



Šomiša papetla ye ya dinomoro tša 200 go araba dipotšišo.

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	I0
I1	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50
5I	52	53	54	55	56	57	58	59	60
6I	62	63	64	65	66	67	68	69	70
7I	72	73	74	75	76	77	78	79	80
8I	82	83	84	85	86	87	88	89	90
9I	92	93	94	95	96	97	98	99	I00
I0I	I02	I03	I04	I05	I06	I07	I08	I09	I10
I1I	I12	I13	I14	I15	I16	I17	I18	I19	I20
I2I	I22	I23	I24	I25	I26	I27	I28	I29	I30
I3I	I32	I33	I34	I35	I36	I37	I38	I39	I40
I4I	I42	I43	I44	I45	I46	I47	I48	I49	I50
I5I	I52	I53	I54	I55	I56	I57	I58	I59	I60
I6I	I62	I63	I64	I65	I66	I67	I68	I69	I70
I7I	I72	I73	I74	I75	I76	I77	I78	I79	I80
I8I	I82	I83	I84	I85	I86	I87	I88	I89	I90
I9I	I92	I93	I94	I95	I96	I97	I98	I99	200



Šomiša papetla ya dinomoro go feleletša dinomoro tše nne tše di latelago mo go dipatrone. Ka morago khalara patronē mo papetleng ya dinomoro.

I05, I10, I15, __, __, __, __	87, 90, 93, __, __, __, __
36, 40, 44, __, __, __, __	I84, I86, I88, __, __, __, __
70, 65, 60, __, __, __, __	I38, I35, I32, __, __, __, __
I80, I76, I72, __, __, __, __	I4, I2, I0 __, __, __, __



Ngwala dinomoro tše di latetšego mo go patronē ye nngwe le ye nngwe.
Bjale khalara patronē. O lemoga eng ka dinomoro tše di khalarilwego go swana?

Go bala ka dihlano.

		5		10	

Go bala ka dipedi.

2	4				

Go bala ka ditharo.

	3	6			

Go bala ka masome.

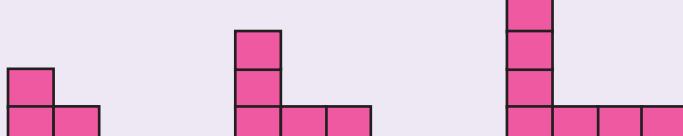
					10



Godisa patronē.









10

Letšatsikg wedi:

Kotara ya |

Dibolo, mapokisi le disilintere



Dira sediko go mapokisi ka mmala wa botalalerata, dibolo ka mmala wo mohubedu disilintere ka mmala wo motalalerata.



Khalara karabo ya maleba.



Lepokisi

disilaete dirolo



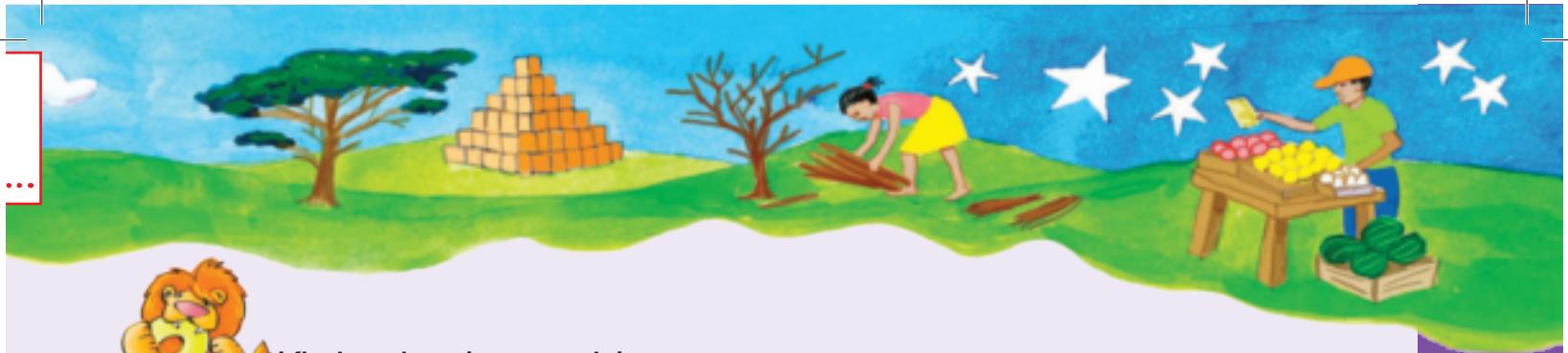
Silintere

disilaete dirolo



Bolo

disilaete dirolo



Khalara karabo ya maleba.



morumo wa
kgokolo

morumothwi



morumo wa
kgokolo

morumothwi



morumo wa
kgokolo

morumothwi



morumo wa
kgokolo

morumothwi



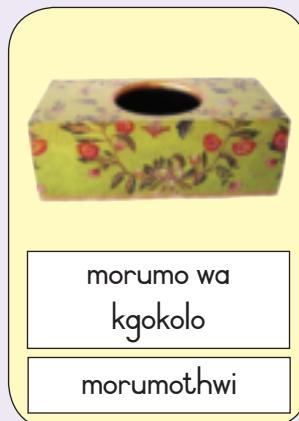
morumo wa
kgokolo

morumothwi



morumo wa
kgokolo

morumothwi



morumo wa
kgokolo

morumothwi



morumo wa
kgokolo

morumothwi



Bolela ge eba e ka morago, ka pele ga, kgauwi le goba godimo ga le pokisi.



ka morago
ga

ka pele ga

kgauwi le

godimo ga



ka morago
ga

ka pele ga

kgauwi le

godimo ga



ka morago
ga

ka pele ga

kgauwi le

godimo ga



ka morago
ga

ka pele ga

kgauwi le

godimo ga

<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>
Teacher: Sign: Date:	



Letšatšikg wedi:

Kotara ya |

Thala, rea leina gomme o bapetše dibopego tša mahlakorepedi



Thala dibopego

Khutlotharo



Sediko



Sekwere

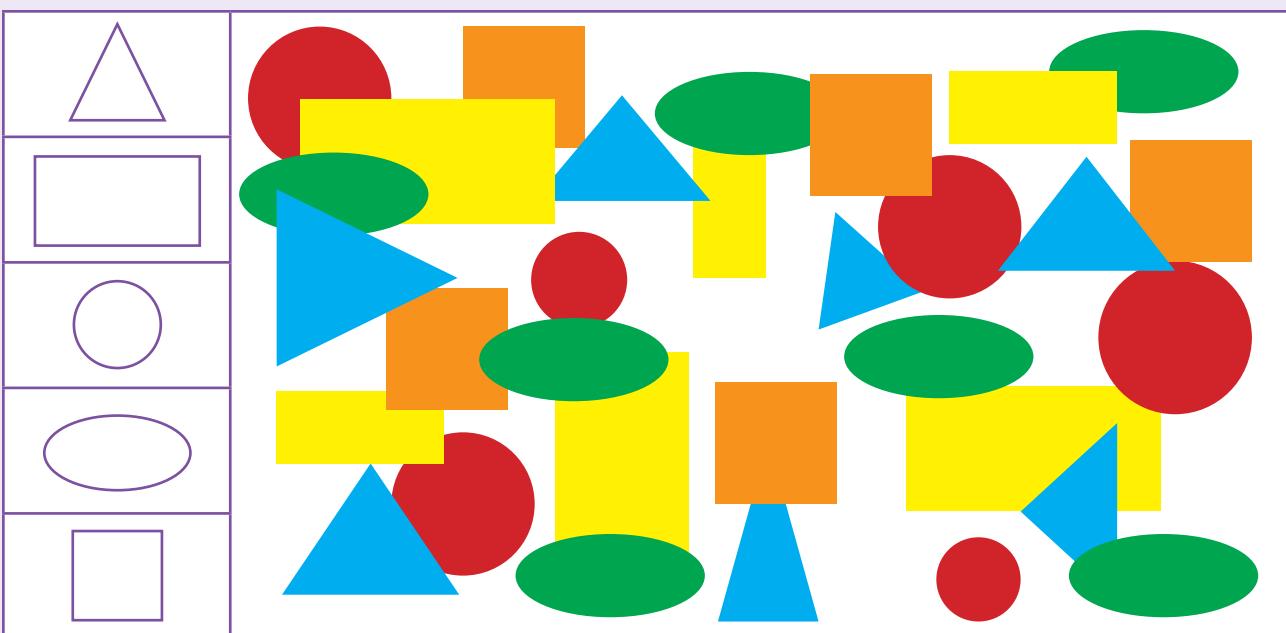


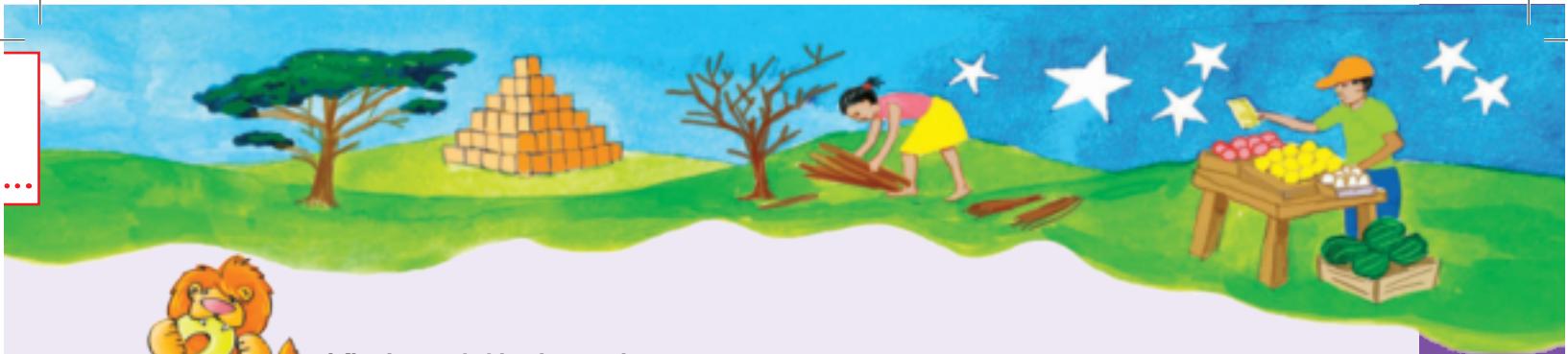
Khutlennethwi



Go bala dibopego

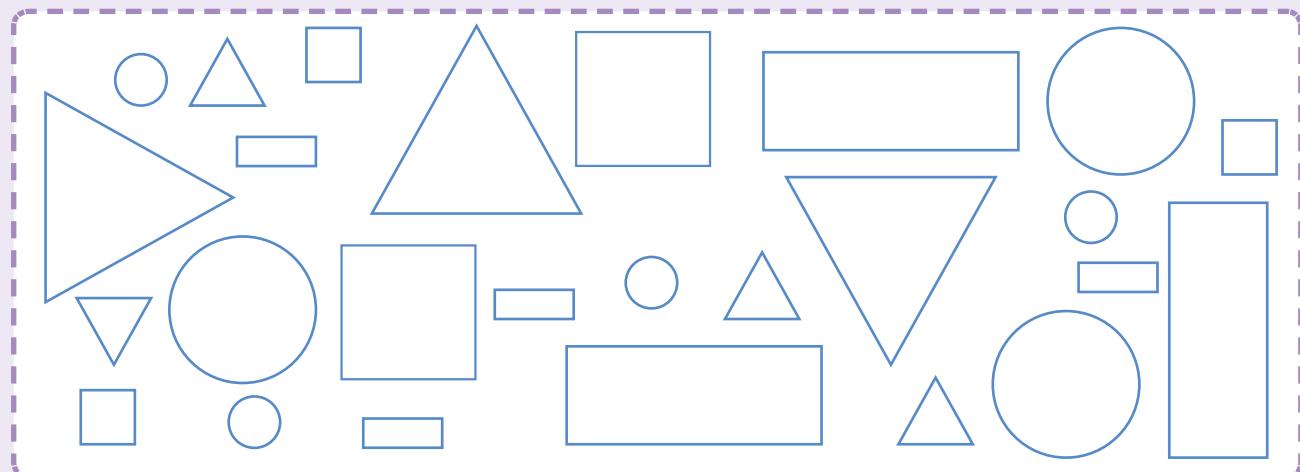
Bala gore ke dibopego tše kae tša mohuta wa ka go la nngele tše o ka di hwetšago mo seswantšhong.





Khalara didiko ka moka tše:

kgolo ka bohubedu, tše nnyane ka botalamorogo;
dikhutlotharo tše kgolo ka botalalerata, dikhutlotharo tše nnyane ka mmala wa namune;
dikwere tše kgolo ka boserolane, dikwere tše nnyane ka phepholo;
dikhutlonnethwi tše nnyane, tsotso, le dikhutlonnethwii tše nnyane, bopinki.



Na ke mahlakore a makae?

Na sebole se sengwe le se sengwe se na le mahlakore a makae?
Ngwala karabo ka gare ga poloko. **Re go diretše ya mathomo.**
Na mahlakore ke a thwi goba a nkgokolo? Khalara karabo ya maleba.

 thwi nkgokolo	 thwi nkgokolo	 thwi nkgokolo	 thwi nkgokolo
 thwi nkgokolo	 thwi nkgokolo	 thwi nkgokolo	 thwi nkgokolo

Teacher:
Sign:
Date:

12

Letšatšikg wedi:



Go bala nako

Diwatšhe tše di bontšha nako efe?



iri ya _____

iri ya _____

iri ya _____

iri ya _____



Šupa dinako tše di fapanego mo go tšupanako

Thuša legotlo Mimi go bala metsotsa ka di-5.

Thoma go 12. Eya le dinomoro go dikologa tšupanako ka moka.



O badile metsotsa ye mekae? _____

Go na le metsotsa ye mekae ka go iri e l? _____



Go ngwala nako

Thala manakana go laetša dinako.



kotara ka morago ga
iri ya boselela (6)



seripagare go tšwa
go iri ya seswai (8)



kotara go ya go iri ya
lesometee (11)



metsotsa ye
lesometharo go tšwa
go iri ya bohlano (5)



Tumišo o ya sekolong.



O tloga ka gae.



O fihla sekolong.

Na Tumišo o tšeа nako ye kaakang? _____



Letšatši la go paka

Maria o paka borotho.



Borotho bo tsena ka
gare ga onto.



Borotho bo
a tšwa.



Borotho bo pakwa metsotso ye _____.



Tlhohlo

Nako yeo e okeditšwego gabedi.

a. Fetolela diiri go metsotso.

Diiri	1	2	4	8
Metsotso	60			

Ke bona patronne.



b. Goro o tšeа metsotso ye 45 go ya sekolong. Tumišo o tšeа nako ye gabedi. Na Tumišo o tšeа diiri tše kae go ya sekolong? _____

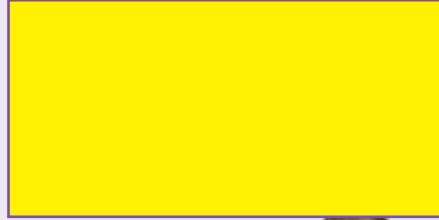
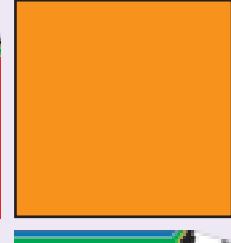
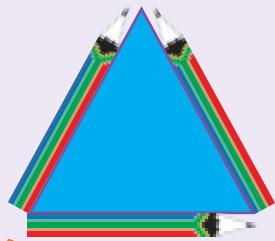
Teacher:
Sign:
Date:

13

Letšatšikg wedi:

Kotara ya |

Go meta botelele



Mmogo,
mahlakore ka
moka a khutloharo
ye, a lekana le
botelele bja
diphensele tše 3.

Mmogo,
mahlakore ka
moka a sekwere
se, a lekana le
botelele bja
diphensele tše 4.



Ga ke tsebe
botelele le bophara
bj a khutlennethwi.

Khutlennethwi e na le botelele bja diphensele tše kae?



Khutlennethwi e na le bophara bja diphensele tše kae?



botelele



bophara

O šomišitše bjang diphensele go bala?

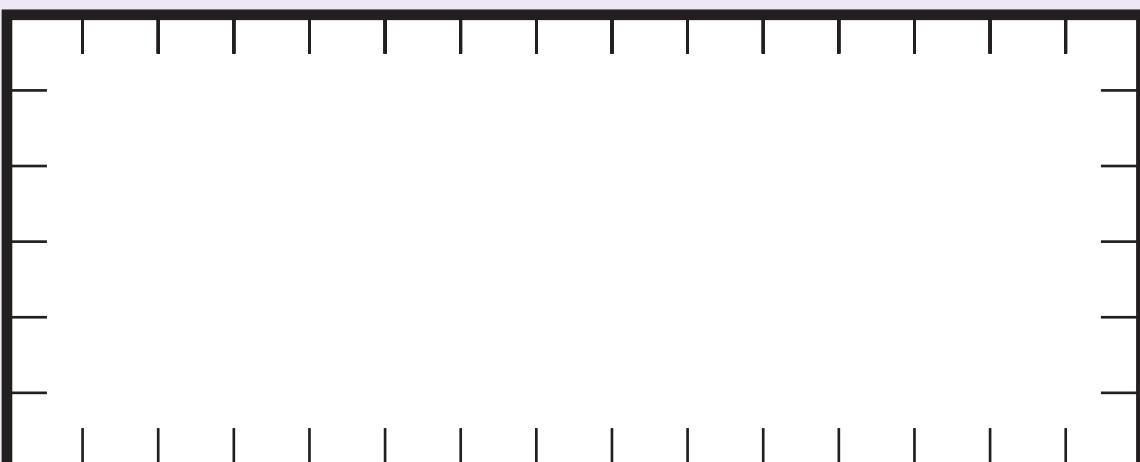


Botelele bja go makatša

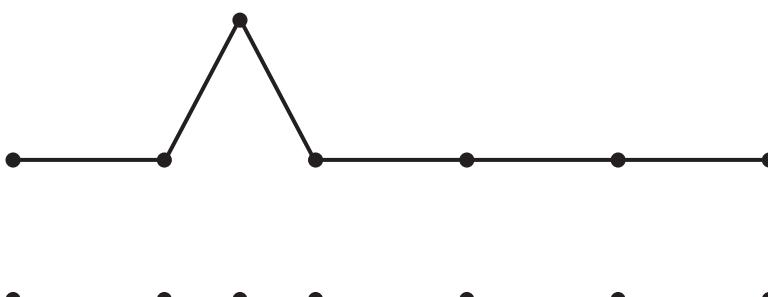
a. Na o nyaka methalo ye mekae ye mehubedu ya go khupetša mothalo wo moso?



b. Na o nyaka methalo ye mekae ye mehubedu go dikologa khutlonnethwi?



c. Na ke efe ye telele: tsela ya ka godimo goba ya ka fase, goba di a swana?



Karabo _____

Lebaka? _____



Teacher: _____
Sign: _____
Date: _____

14

Letšatšikg wedi:

Kotara ya |



Boteng

Ke šetše ke tšhetše
dikomiki tše pedi ka
go jeke ya go ela.

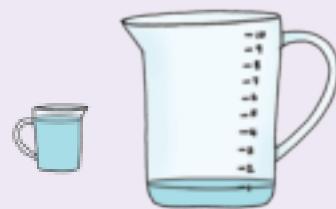
Go sa nyakega dikomiki tše kae tša
meetse gore setšhelo se tlale?



Go na le meetse a dikomiki tše kae ka gare ga setšhelo?

Re sa nyaka dikomiki tše kae tša meetse gore re tlatše setšhelo?

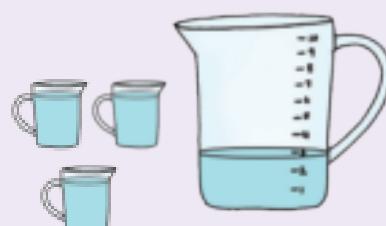
a.



Ka gare ga
setšhelo:

Go nyakega
gape:

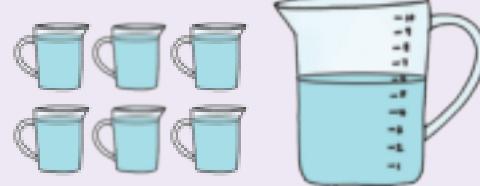
b.



Ka gare ga
setšhelo:

Go nyakega
gape:

c.



Ka gare ga
setšhelo:

Go nyakega
gape:

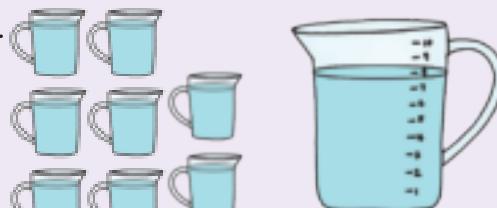
d.



Ka gare ga
setšhelo:

Go nyakega
gape:

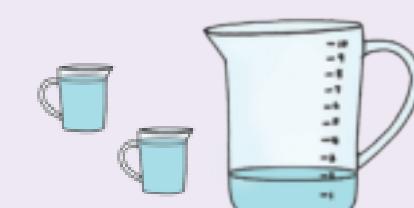
e.



Ka gare ga
setšhelo:

Go nyakega
gape:

f.



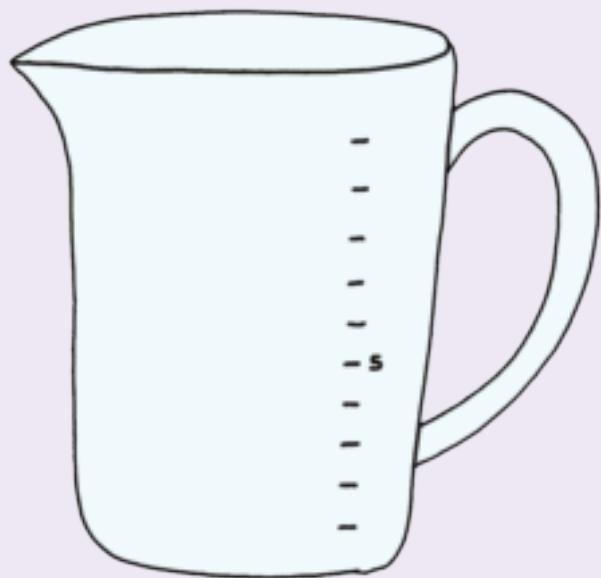
Ka gare ga
setšhelo:

Go nyakega
gape:



Ngwala makga a go khutša jekeng ye ya go ela . Re bontšhitše lekga la 5.

Tlatša makga a mangwe a go khutša mo go jeke.



Ge komiki e tee e tlatša jeke go fihla sekgeng sa 2, go nyakega dikomiki tše kae go tlatša jeke go fihla go

- 4 _____?
- 6 _____?
- 8 _____?
- 10 _____?



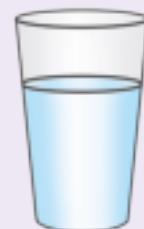
Swaya ditšhelo tše o naganago gore di na le litara e l ya seela gomme o di mamaretše go tloga go ye nnyane go fet a go fihla ka ye kgolo go feta.













Teacher:
Sign:
Date:

15

Letšatšikg wedi:

Kotara ya |

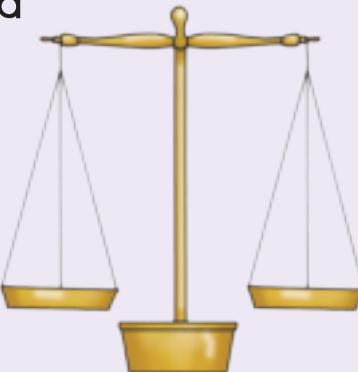


A re ele boima bja rena!

Go hwetša boima bja rena, ge eba re **bofefo** goba re **boima**, re šomiša sekala.

Re el a boima ka **dikilogramo**.

Re šomiša khutsofatšo: kg. Ke mang yo a imelago go feta?



41 kg



38 kg



41 kg



42 kg



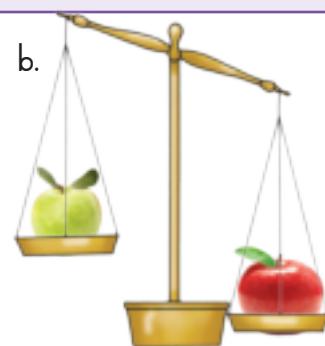
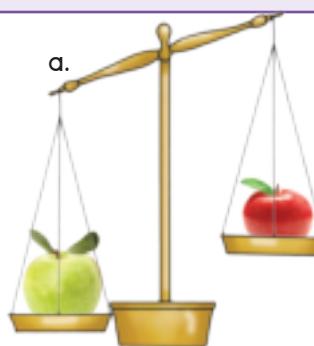
39 kg



Re šomiša sekala sa go lekanyetša, go el a.

a.

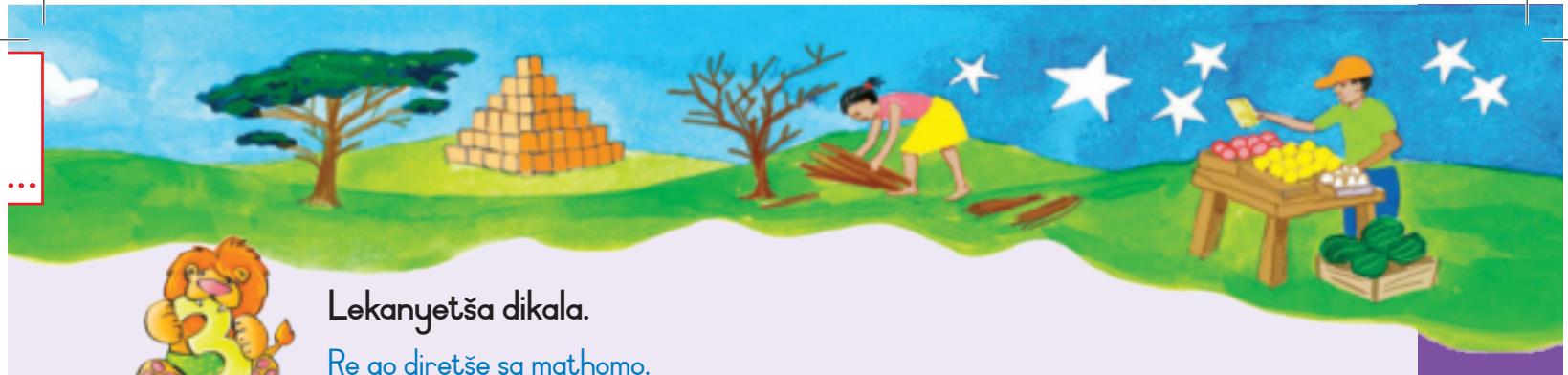
Mo go sekala se,
diapola ka bobedi di kala
go swana.



Araba dipotšišo. Ngwala a goba b.

Ke mo go sekala sefe mo apola ye
talamorogo e imelago go feta apola ye khubedu?

Ke mo go sekala sefe mo apola ye
talamorogo e fetwago ke apola ye khubedu ka boima?

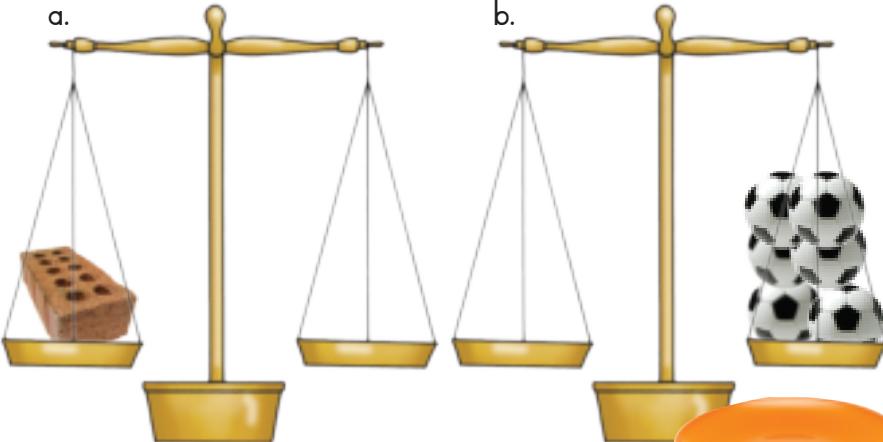


Lekanyetša dikala.

Re go diretše sa mathomo.



Thala go bontšha gore o nyaka ditena goba dibolo tše kae go dira gore dikala tše di lekanyetšwe?

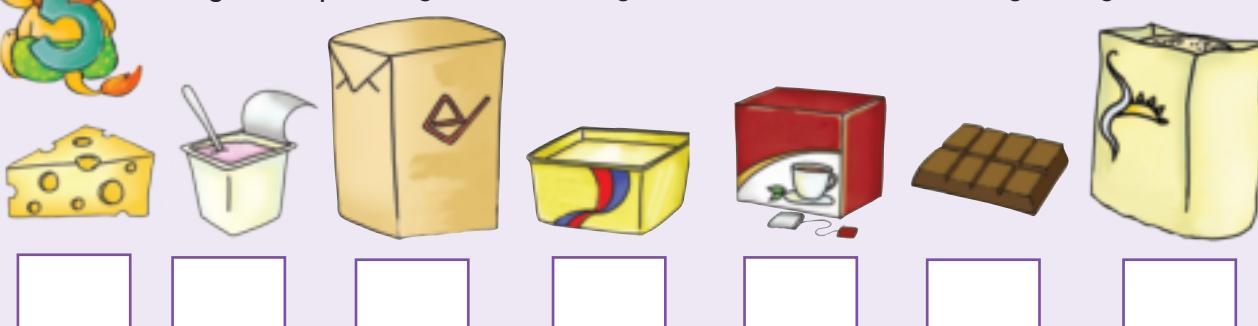


Ge phasela e tee e kala 3 kg, na diphaselatše 2 le tše 3 di tla kala bokae?

- diphaselatše 2 _____ kg
- diphaselatše 3 _____ kg
- Na nka kgonago kala diphaselatše 4 ka nako e tee mo sekaleng sa ka moraleng? _____
Ka lebaka la eng? _____



Swaya ka lepokising la dikarabo gore ke dilo dife tše di kalago kilogramo e 1 kg.



Teacher:
Sign:
Date:

16

Letšatšikg wedi:

Kotara ya |



Go šoma ka difiwa

Djeta ka phapošing



Bala kanegelo.

Thabo: Mmaloo, Mohumagatšana! Molelo ke yo mogologolo! O apara saese ya **b** ya dieta!

Mdi Maredi: Go bjalo! Ee, Thabo, ke saese ye kgolo kudu go ngwana wa mengwaga ye senyane! Na ke saese efe yeo o e aparago, Thabo? Na phapoši ka moka e apara disease dife? A re nyakišišeng!

Barutwana ba bolela disaese tša bona, ka o tee ka o tee.

Mdi Maredi o ngwala disaese letlapeng.

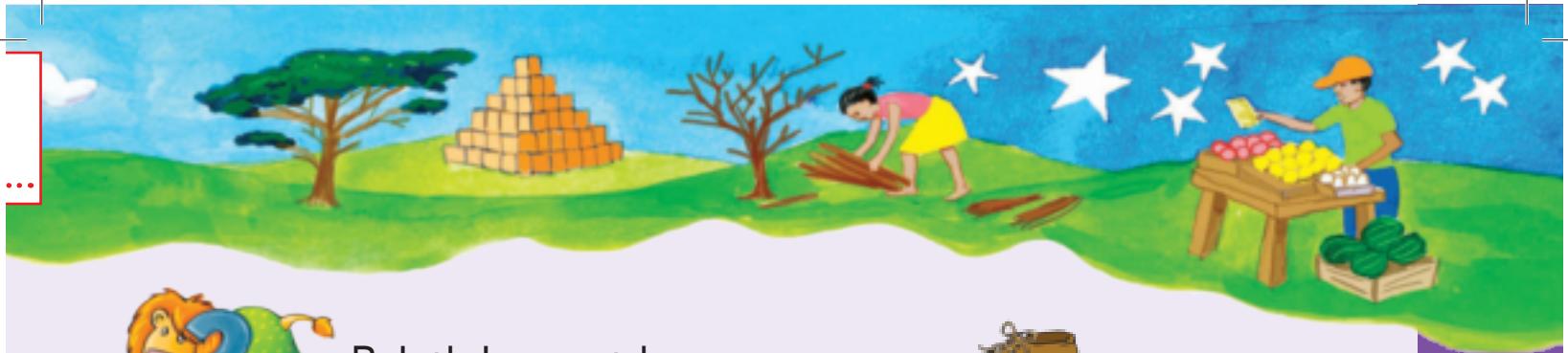
Mdi Maredi: Balang gomme le ngwale palo ya disaese ka moka mo lenaneong.

2	2	3	1	2	3	1	4	3	2	3
2	3	2	6	2	2	3	3	3	4	3
4	2	2	3	3	5	3	2	2	2	1
1	1	2	4	2	3	2	3	4	2	4
4	3	2	2	3	1	2	2	1	4	3

Ngwala lenaneo la ka tlase.

Disaese tša dieta tša ka phapošing

Saese ya 1	Saese ya 2	Saese ya 3	Saese ya 4	Saese ya 5	Saese ya b



Bjale thala seswantsho



= morutwana o tee

Saese ya 1	Saese ya 2	Saese ya 3	Saese ya 4	Saese ya 5	Saese ya 6



Bjale arabang dipotšišo tše.

- Barutwana ba bantši ba apara dieta tša saese ya _____.
- Palo ye nnyane e apara saese ya _____.
- Bana ba _____ ba kgathile tema dinyakišišong.



Na wena?

Nyakišiša gore na wena le bagwera ba gago le apara disaese dife tša dieta!

- Šomang ka dihllopha tša 6 go iša go 8.
- Kgoboketšang difiwa tša lena.
- Ngwalang palo ya disaese tša dieta lenaneong.
- Bapetšang dikarabo le dihllopha tše dingwe.



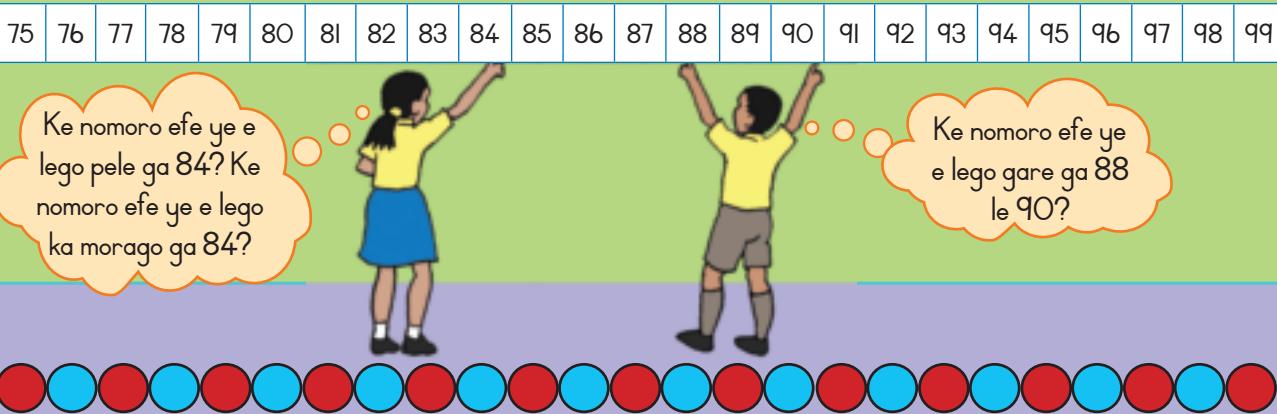
Teacher:
Sign:
Date:

17

Letšatšikg wedi:

Kotara ya |

Bapetša gomme o breakanye dinomoro



Ngwala dinomoro tše di tlogetšwego.

51									
									67
71									
									100

Šomiša papetla ya dinomoro o arabe dipotšišo.

- Ke nomoro efe ye e tlago pele ga 68? _____
- Ke nomoro efe ye e tlago ka morago ga 68? _____
- Ngwala dinomoro tše hlano tše dinnyane go 71. _____, _____, _____, _____, _____
- Ngwala dinomoro tše hlano tše dikgolo go 71. _____, _____, _____, _____, _____
- Ke dinomoro dife tše di lego gare ga 79 le 84? _____
- Ngwala dinomoro go tloga go ye nnyanennyane go fihla go ye kgolokgolo. 73, 52, 50, 59, 61

- Ngwala dinomoro go tloga go ye kgolokgolo go fihla go ye nnyanennyane. 74, 96, 99, 91, 38



Feleletša lenaneo le. Thoma ka nomoro ye e filwego.

	e tee go feta	e tee ka tlase ga	tše lesome go feta	tše lesome ka tlase ga
25				
39				
74				
56				
40				



Dira sediko go nomoro ye kgolo.

78	87	17	36	63	33
----	----	----	----	----	----



Ge leswao < le era nnyane go lekana le, gomme leswao > le era kgolo go, feleletša:

32	<	64	23	>	18
----	---	----	----	---	----

57	_____	98	89	_____	57
----	-------	----	----	-------	----



Nyaka dinomoro tše 5 mo kuranteng tše di lego gare ga 50 le 99 gomme o di mamaretše mo. Na nomoro ye nngwe le ye nngwe era eng?



18

Letšatšikg wedi:

Kotara ya |



Go laetša dinomoro o šomiša dilo.

Re ka laetša dinomoro ka dipoloko tša dikemapalo.

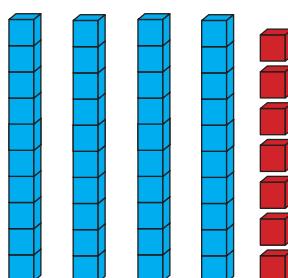
Poloko ye nnyane e emetše 1.

Tshipi ya dipoloko tše 10 tše nnyane e emetše 10. Ke 10. Ke lesome.

Masome	Metšo
10	2

O ka laetša nomoro ka go šomiša masome le metšo.

Ye ke tsela ya go laetša **47**.



Masome	Metšo
4	7

masomennešupa
47



Go ngwala dinomoro ka meno le mantšu

- a. Ka tlase ga seswantšo, ngwala nomoro ya masome le nomoro ya metšo.
Ngwala nomoro gomme o e ngwale le ka mantšu.

Masome	Metšo	Masome	Metšo	Masome	Metšo
3	1				

31
masometharotee



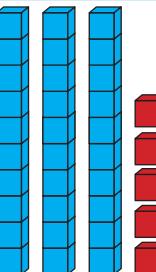
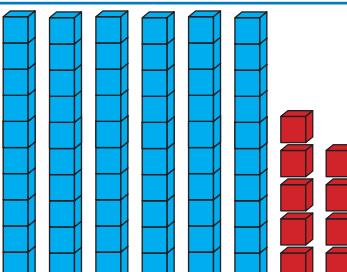
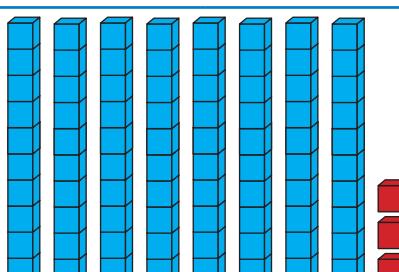
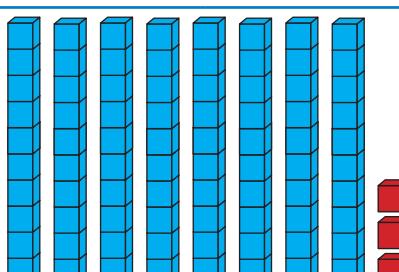
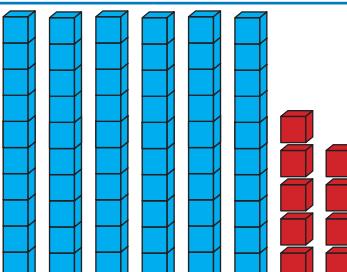
- b. Re ka kgona gape go šomiša dikarata tša rena
tša dinomoro go e laetša.

2 0 b 2 b

Palo	Ke masome a makaē?	Metšo ye mekae?	Ngwala dinomoro ka mantšu
26	2	6	masomepeditshela
46			
qq			



Nomoro ke efe?

	<p>3 0 5 3 5</p>	<table border="1"> <tr> <td>Masome</td> <td>Metšo</td> </tr> <tr> <td>3</td> <td>5</td> </tr> </table> <p>masometharohlano 35</p>	Masome	Metšo	3	5
Masome	Metšo					
3	5					
		<table border="1"> <tr> <td>Masome</td> <td>Metšo</td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>_____</p>	Masome	Metšo		
Masome	Metšo					
		<table border="1"> <tr> <td>Masome</td> <td>Metšo</td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>_____</p>	Masome	Metšo		
Masome	Metšo					



11 12 13 14 15 16 17 18 19 20

19

Letšatšikg wedi:

Kotara ya |



Go bala

Go bea masome mmogo ge re hlakanya go fihla ka 99

Ye ke tsela e tee ya go laetša 22.		Re na le lesome le tee ye lesomepedi		Bjale re na le tsela ye nngwe ya go laetša 22.	
Masome	Metšo			Masome	Metšo
lesome le 1	metšo ye 12		Re tla bea lesome (10) la metšo ka dihlopha.	masome 2	metšo 2
1 0	1 0 2			2	2

A re hlakanye $27 + 4$. Re thoma ka dipoloko tše ditalalerata tše e lego metšo, gomme re tlaleletša ka metšo ye mehubedu

27 ke masome a 2 le metšo 7. Gomme re tlaleletša ka metšo ye 4.	Re na le masome a 2 le metšo ye 11.	Bjale re na le masome a 3 le 1 motšo = 31
Masome	Masome	Masome
masome	metšo ye 7	
a 2	+ metšo ye 4	
2 0	7 4	3 1
	Re ka laetša metšo ye 10 ye e emelago lesome le tee	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
	2 0 1 0 1	



Ngwala lefokopalo leo le laetšwago ke seswantšho

Masome	Metšo	Masome	Metšo	Masome	Metšo
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
$10 + 5 + 6$	$\underline{\quad} + \underline{\quad} + \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$			

Feleletša diswantšho. Ngwala mafokopalo ao a laetšwago ke seswantšho.

Masome	Metšo	Masome	Metšo	Masome	Metšo
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>					
Masome	Metšo	Masome	Metšo	Masome	Metšo
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>					



20a

Letšatšikg wedi:

Kotara ya |

Hlakanya mo go mothlopalo

Dula teseke ya gago!

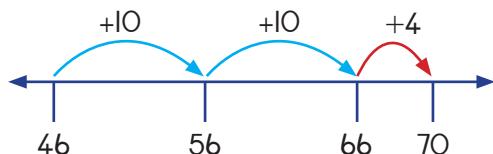
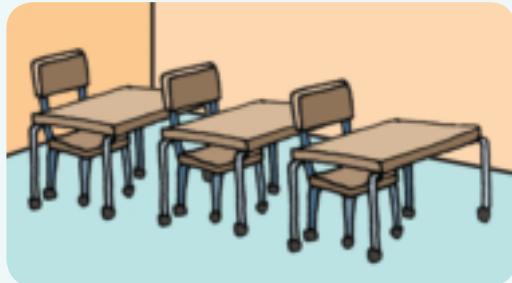
Sekolong sa rena morutwana yo mongwe le yo mongwe o na le teseke ya gagwe.

Go na le barutwana ba 46 ka go Mphato wa 3A le 24 ka go Mphato wa 3B.

Na re nyaka diteseke tše kae tša diphapoši ka bobedi?

Go šoma le mogwera

Lebelela ka fao barutwana ba ba dirišitšego mothlopalo go rarolla bothata. Feleletša dipalo o šomiša mohlala.



Ke swanetše go hlakanya 24 le 46.



Se ke seo ke se dirago: Ke thoma ka go oketša ka 10. Se se mphihliša go 56.

Gomme ka tshela lesome le lengwe gore ke fihle go 66.

La mafelelo, ke tshela 4 gape go fihla go 70.

$$= 46 + 10 + 10 + 4$$

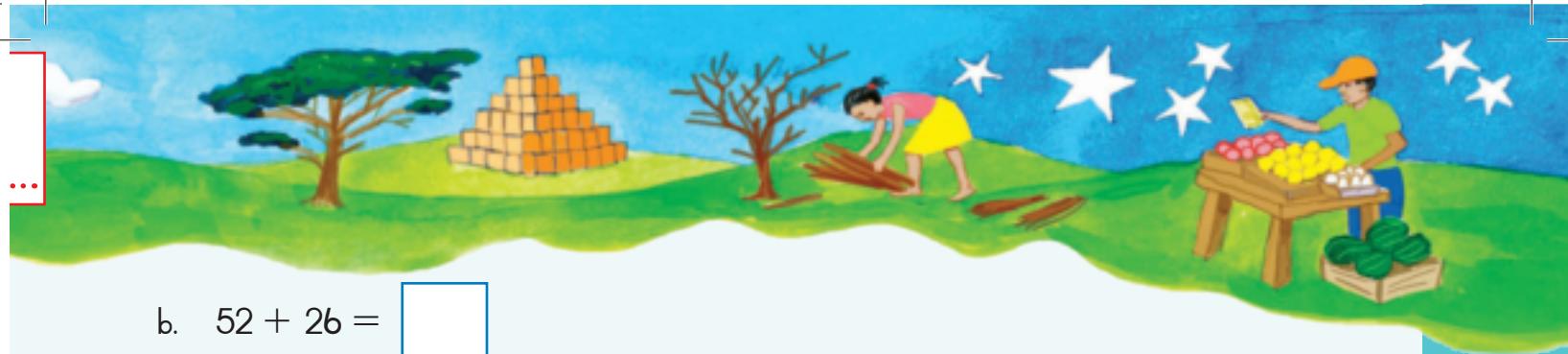
$$= 56 + 10 + 4$$

$$= 66 + 4$$

$$= 70$$

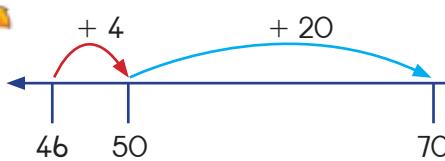
a. $32 + 25 =$

← →



b. $52 + 26 =$

c. $46 + 25 =$



Ke swanetše
go hlakanya
24 le 46.



Se ke seo ke se dirago: Sa mathomo ke tla tshela 4. Se se mphihliša go 50.
Nka kgoná go tshela 20 gape, se se mphihliša go 70.

$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$

a. $36 + 41 =$



Teacher: _____
Sign: _____
Date: _____

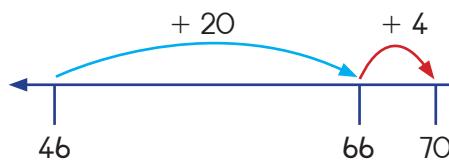
20b

Letšatšikg wedi:

Kotara ya |

Hlakanya mo go mothalopalo (tšwetšopele)

b. $57 + 19 = \square$



Ke swanetše go
hlakanya 24 le 46.



Se ke seo ke se dirago: Go tloga go 46, nka tshela 20. Se se mphihliša go 66. Bjale ke swanetše go tshela 4 gape ke fihle go 70.

$$= 46 + 20 + 4$$

$$= 66 + 4$$

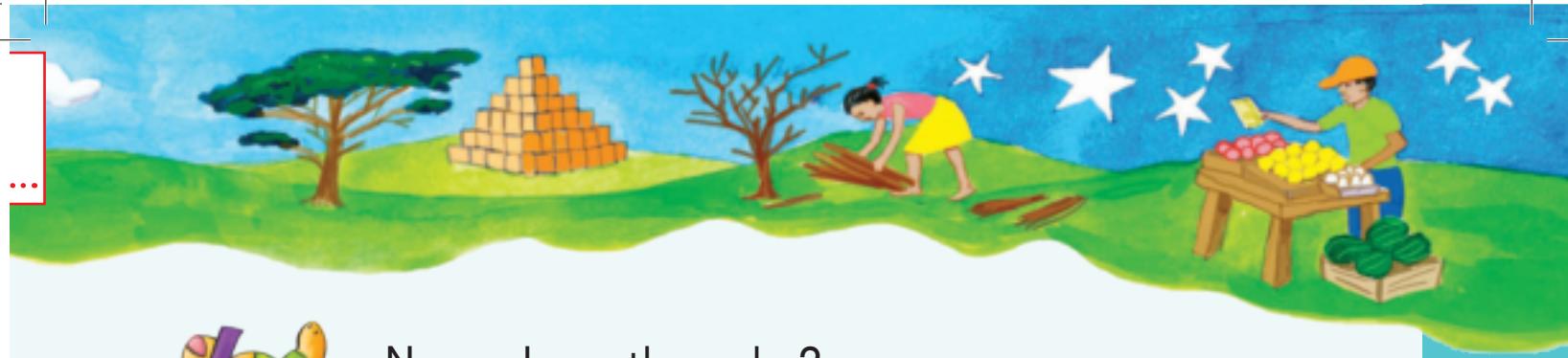
$$= 70$$

a. $63 + 24 = \square$



b. $65 + 29 = \square$





Na go na le marotho a makae?

Mopaki o romela marotho a matsotho a 54 le marotho a mašweu a 68.

Na ke marotho a makae ka moka?

- a. Hwetša palomoka mo go mothalopalo. Laetša **dinomoro** le **bogolo** bja metabogo.

← →

0 150



Hlakanya ka ntle le go šomiša mothalopalo.

Šomiša mokgwa wo mongwe le wo mongwe wo o o ratago.

$38 + 24 =$

$58 + 17 =$



$75 + 16 =$

$83 + 29 =$



2|a

Letšatšikg wedi:

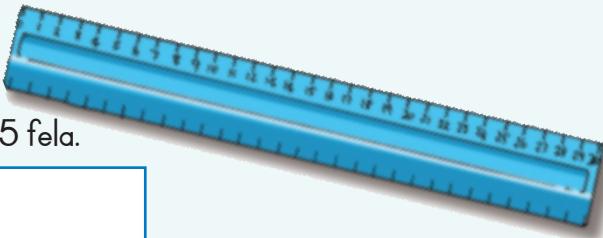
Kotara ya |

Ntšha mo go mothalopalo

Morutwana o tee! Rula e tee!

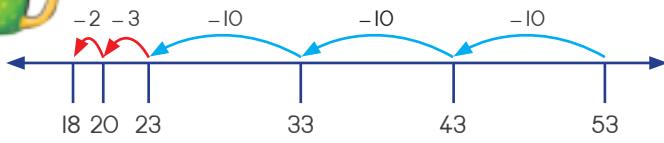
Barutwana ba nyaka dirula tše 53. Re na le tše 35 fela.

Na re nyaka tše kae gape? $53 - 35 =$



Go šoma le mogwera.

Bala ka fao barutwana ba bararo ba šomišago mothalopalo mo tlase. Ngwala dipalo o latela mohlala.



Ke swanetše go ntšha
35 go 53. Go ntšha go
hlaloša go tše.



Ke tla thoma ka 53 gomme ka e tše. Ke **tla tše** 10, 10, 10 – gomme go tla šala **23**. Bjale go tše tše hlano, ke tla thoma ka go tše 3, gomme ka tla go **20**. Ke tše tše 2 gape. Ke fihla go **18**. Ka fao re nyaka dirula tše **18**.

$$= 53 - 10 - 10 - 10 - 3 - 2$$

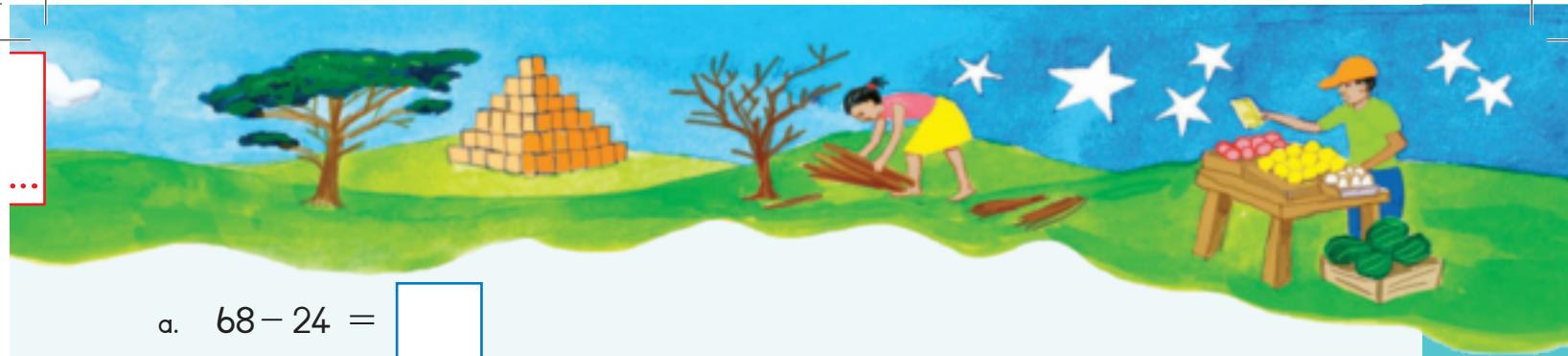
$$= 43 - 10 - 10 - 3 - 2$$

$$= 33 - 10 - 3 - 2$$

$$= 23 - 3 - 2$$

$$= 20 - 2$$

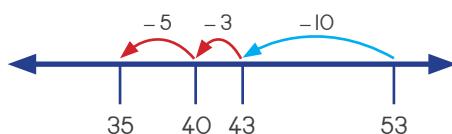
$$= 18$$



a. $68 - 24 = \square$

b. $74 - 38 = \square$

c. $92 - 87 = \square$



Go ntšha go hlaloša gore re
swanetše go hwetša phapano
magareng ga 53 le 35.



Ke tla thoma go bala ka 53 gomme **ka balela morago** go **fihla** go 35 go **hwetša phapano**. Ge ke balela morago ka 10, ke hwetša 43. Nka balela morago kudu ka 3 go fihla go 40. Bjale ke fokotša ka 5 gape go fihla go 35. 10 hlakanya le 3 le hlano ke 18. Bjale re nyaka dirula tše **18**.

a. $38 - 14 = \square$

Teacher: _____
Sign: _____
Date: _____

2lb

Letšatšikg wedi:

Ntšha mo go mothalopalo (tšwetšopele)

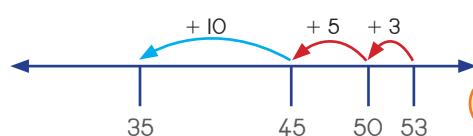
b. $65 - 43 = \square$



c. $72 - 39 = \square$



d. $85 - 48 = \square$



Go ntšha go hlaloša
gore re hwetša phapano
magareng ga 53 le 35.



Nka thoma ka 35 gomme ka lebelela gore nka tshela gakae **go fihla go** 53.
Lesome hlakanya le hlano le tharo ke 18. Re nyaka dirula tše 18 gape.

a. $84 - 32 = \square$





b. $96 - 53 =$

← →

c. $78 - 19 =$

← →

d. $63 - 47 =$

← →



Go sepela ka thekisi

Leeto la thekisi go ya toropong ke dikilometara tše 65. Gabjale thekisi e sepetše di km tše 38.

Na re ſaletſwe ke bokgole bjo bokaakang?

Šomiša mothalopalo go rarolla lefokopalo le.



← →

km





Peakanyo ya mathomo!

Tumšo o kgopela bagwera ba gagwe ka moka gore ba mo fe diswantšho tša dijo tša bona tša moletlo. Se, ke seo a se kgobokeditšego. Mo thuše go di beakanya.



Bala, gape o bontšhe gore ke bagwera ba bakae bao ba kgethilego mohuta wo mongwe le wo mongwe wa sejo.

Nomoro				



Feletša diswantšho. Šomiša lenaneo la gago gore le go thuše.

Thalela ngwana yo mongwe le yo mongwe yo a kgethago mohuta wo wa dijo, sefahlego.

😊			
😊			
😊			
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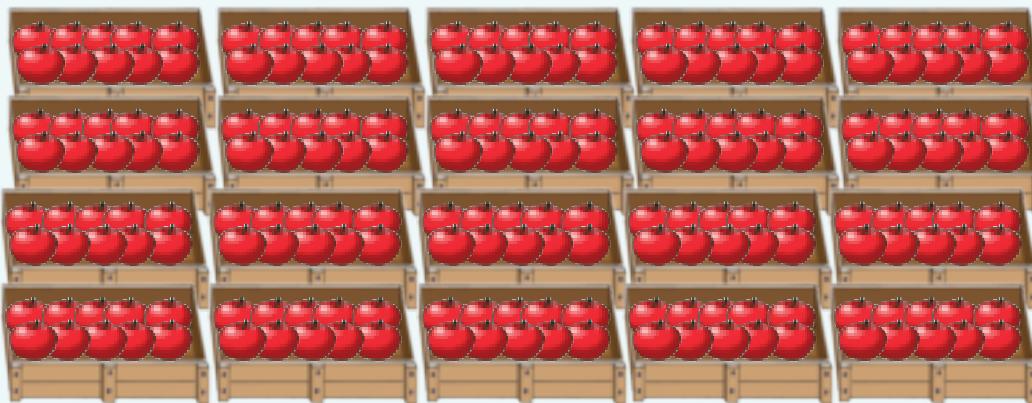
23

Letšatšikg wedi:

Kotara ya |



O bona diapola tše kae?



Ngwala dinomoro

Lepokisi le 1 le na le diapola tše . Mothaloo l o na le diapola tše .

Mothalo o l o na le mapokisi a . Methalo ye 4 e na le diapola tše .



Re ka paka diapola tše kae ka mapokising ao?

- a. 
- b. 
- c. 

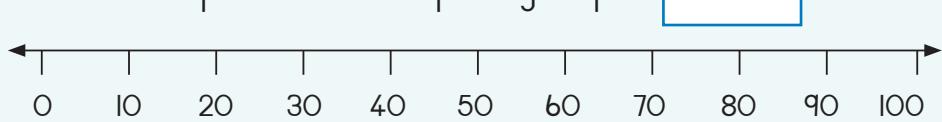


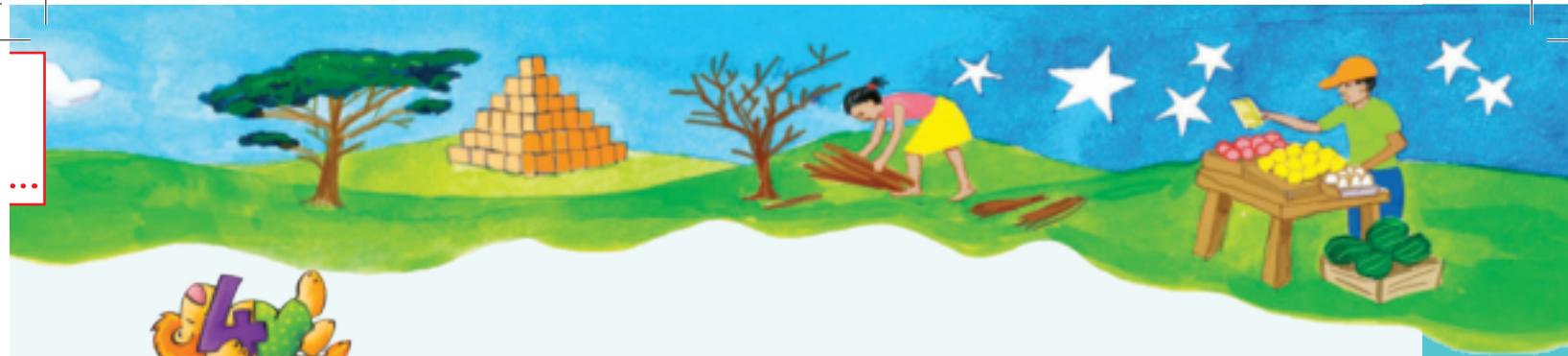
Bala mo mothalopalong.

- a. Go ka ba le diapola tše kae ka mapokising a mahlano?



- b. Go ka ba le diapola tše kae ka mapokising a šupa?





Dihlopha tše 3 tša 10 di dira 30 $3 \times 10 =$ 30 goba $10 \times 3 =$ 30

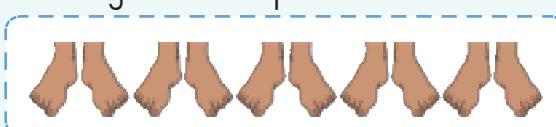
Dihlopha tše 5 tša 10 di dira _____ \times _____ = _____ goba _____ \times _____ = _____

Dihlopha tše 2 tša 10 di dira _____ \times _____ = _____ goba _____ \times _____ = _____



Dipara tše 5 tša maoto.

Menwana ke ye mekae ka palo?



$10 + 10 + 10 + 10 + 10 =$ 50 $5 \times 10 =$ _____

goba $10 \times 5 =$ _____

Dira tše ka wona mokgwa wo.

Diphere tše 4 tša maoto. Menwana ke ye mekae ka palo?

_____ = _____ \times _____ = _____ goba _____ \times _____ = _____

Diphere tše 3 tša maoto. Menwana ke ye mekae ka palo?

_____ = _____ \times _____ = _____ goba _____ \times _____ = _____



A re baleng

10, 20, 30, 40, 50, _____, _____, _____, _____, _____,

_____, _____, _____, _____, _____, _____, _____, _____, _____, 200



Teacher: _____
Sign: _____
Date: _____

24

Letšatšikg wedi:

Kotara ya |



Na ke dihlapi tše kae? Akanya



Bjale bala dihlapi. Hwetša palomoka.



Bala ka di-5

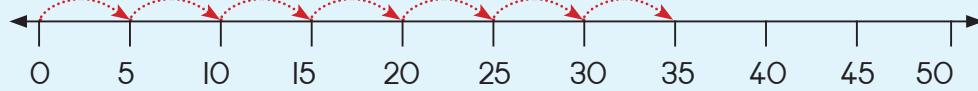
Hwetša palomoka ya mae a hlapi. Ngwala mothalopalo wa + le wa × .

Re go diretše ya mathomo.

Dihlapi le mae	Na go na le dihlapi tše kae ka moka?
Dihlapi tše 5, ye nngwe le ye nngwe e bea mae a 2	$2 + 2 + 2 + 2 + 2 = 10$
Dihlapi tše 5, ye nngwe le ye nngwe e bea mae a 10	
Dihlapi tše 5, ye nngwe le ye nngwe e bea mae a 4	
Dihlapi tše 5 ye nngwe le ye nngwe e bea mae a 3	
Dihlapi tše 5, ye nngwe le ye nngwe e bea mae a 6	
Dihlapi tše 5, ye nngwe le ye nngwe e bea mae a 8	
Dihlapi tše 5, ye nngwe le ye nngwe e bea mae a 5	

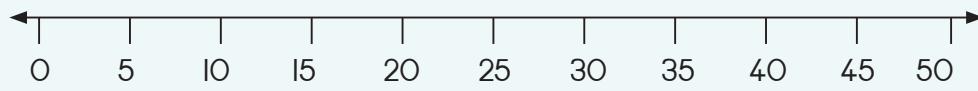


Feleletša mafokopalo le methalopalo



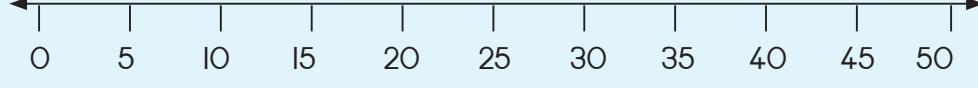
$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35} \quad \text{goba } \boxed{7} \times \boxed{5} = \boxed{35}$$

a.



$$5 + 5 + 5 + 5 = \boxed{} \quad \text{goba } \boxed{} \times \boxed{} = \boxed{}$$

b.



$$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{} \quad \text{goba } \boxed{} \times \boxed{} = \boxed{}$$

c.



$$\underline{} + \underline{} = \boxed{} \quad \text{goba } 10 \times 5 = 50$$



Go thea hlapi

Tšhego o tantše dihlapi tše magareng ga 40 le 50. O di bala ka di-2 gomme a šala ka l. O di bala ka di-5 gomme o šetše ka 2.

Na Tšhego o tantše dihlapi tše kae?



Teacher:
Sign:
Date:

25a

Letšatšikg wedi:

Kotara ya |



Go bala masokisi

Bala ka di-2



- Na go na le diphere tše kae tša masokisi? _____
- Na go na le masokisi a makae? _____
- Na go na le masokisi a a šetšego? _____



Go bala diphère tša masokisi.

Ngwala palo ya masokisi ao a lego mo, gomme o bolele ge eba a mangwe a šetše.

Masokisi	Palo ya diphère	Palo ya masokisi	Masokisi a a sepelago a le noši a a šetšego



Teacher: _____
Sign: _____
Date: _____

25b

Letšatšikg wedi:



Bala ka di-2 (tšwetšopele)

Go bopa diphère

Ngwala dipalotekanelo le dipalotlhokatekanelo go tloga go 1 – 60.

Kotara ya |

- a. Ngwala dipalotekanelo go tloga go 1 – 60.

2, 4, 6,

- b. Ngwala dipalotlhokatekanelo go tloga go 1 – 60.

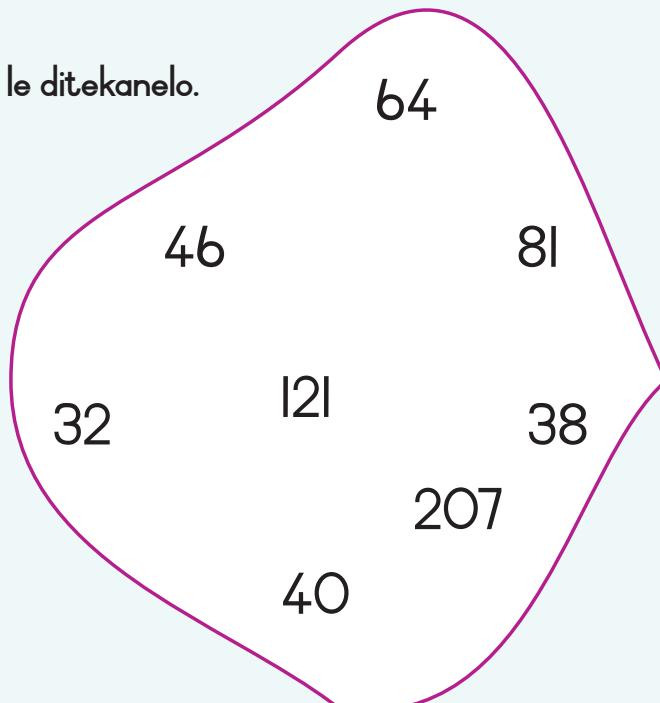
3, 5, 7,

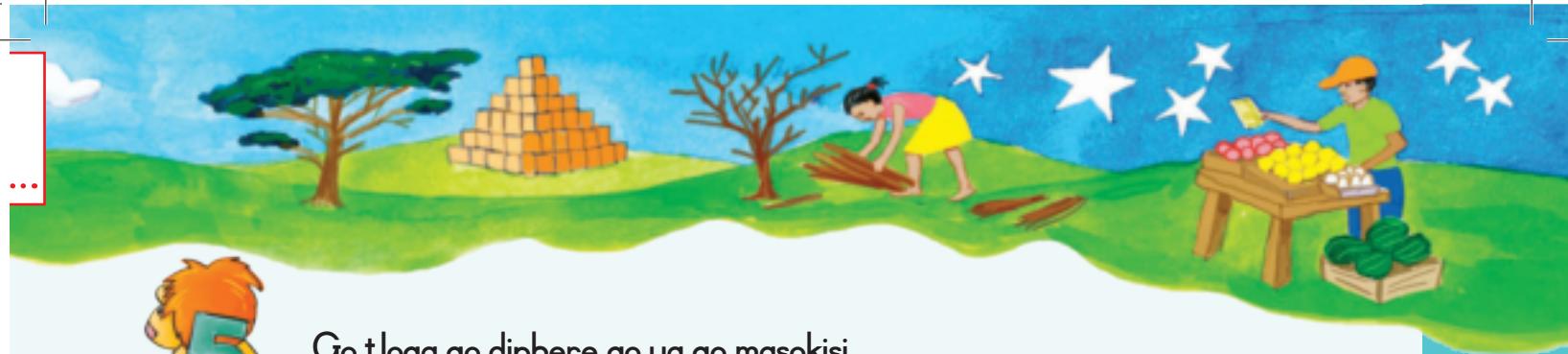


Dipalotlhokatekanelo le ditekanelo.

Thala sediko mo go dipalotekanelo.

Thalo sekwere go dikologa
dipalotlhokatekanelo.





Go tloga go diphere go ya go masokisi.

Mohlala:

Masokisi a 2 = phere 1



$$2 \times 1 = 2$$

Masokisi a 20 = diphere tše 10

$$2 \times 10 = 20$$

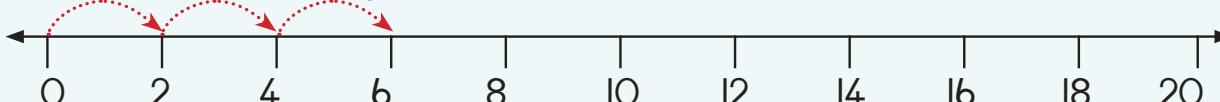
a. Ngwala palo ya masokisi.

Nagana ka di-2	Lefokopalo
phe 1 = masokisi 2	<input type="text"/> × <input type="text"/> = <input type="text"/> 2
diphere 2 = masokisi _____	<input type="text"/> 2 × <input type="text"/> 2 = <input type="text"/>
diphere 4 = masokisi _____	
diphere 8 = masokisi _____	
diphere 9 = masokisi _____	

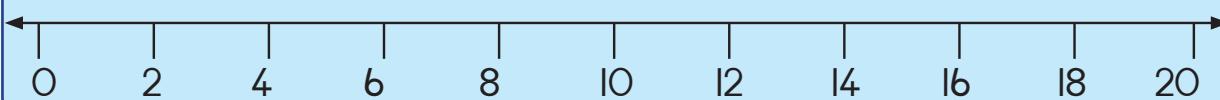
b. Feleletša methalopalo.

Mohlala:

$$2 + 2 + 2 = 6 \text{ goba } 3 \times 2 = 6$$



$$2 + 2 + 2 + 2 + 2 + 2 + 2 = \boxed{\quad} \text{ goba } \boxed{\quad} \times \boxed{\quad} = \boxed{\quad}$$



11 12 13 14 15 16 17 18 19 20
 ┏━┓ ┏━┓ ┏━┓ ┏━┓ ┏━┓ ┏━┓ ┏━┓ ┏━┓ ┏━┓ ┏━┓

26

Letšatšikg wedi:

Kotara ya |

Tšhelete ya kgale le ya gonabjale

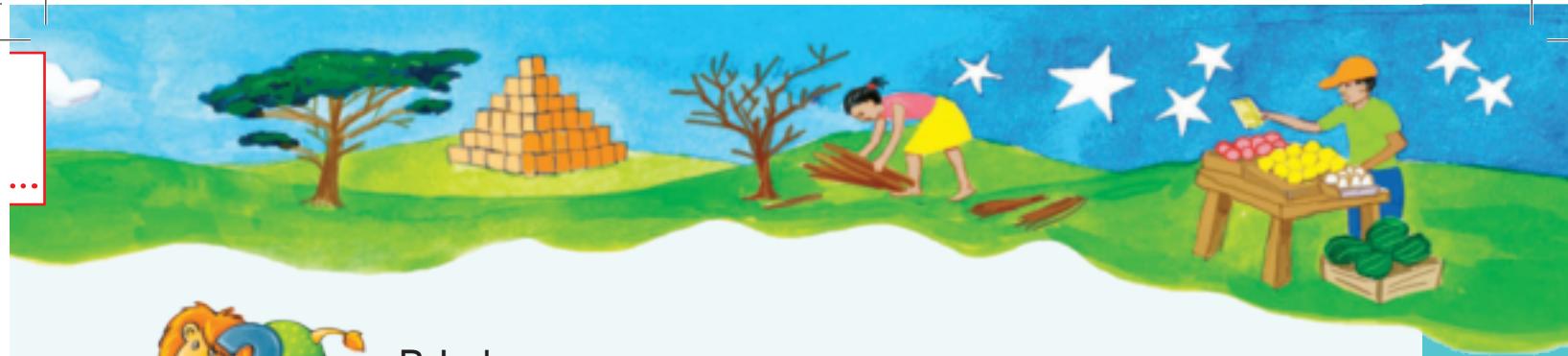


Kanegelo ka ga tšhelete ya rena

Mo Afrika-Borwa re šomiša diranta le disente bjalo ka tšhelete ya rena. Re thomile go šomiša diranta le disente ka 1961.

Matšatšing ao khoine ya sente e l e be e le ye nnyane, gwa latela disente tše 2 le disente tše 5.





Bala disente

Bala disente.

Na o na le disente tše kae?

Na go nyakega bokae go dira R1,00?

Di thale ka gare ga poloko.



Na ke disente tše kae?

R1,00 = <input type="text"/> c	R2,00 = <input type="text"/> c
R3,00 = <input type="text"/> c	R1,50 = <input type="text"/> c



Nka kgona go reka dienywa tše kaakang?

2 theko ke R4,00.

Na o hwetša dipanana tše kae ka R20,00?

2 theko ke R2,00.

Na o hwetša diapola tše kae ka R9,00?



27

Letšatsikg wedi:

Kotara ya |

Bala ka di-3



Maotwana ka di-3

Traesekel e l e na le maotwana a ____.



Ditraesekel tše 5 di na le maotwana a
_____.

$$3 + 3 + 3 + 3 + 3 = 5 \times 3 = _____$$

Ditraesekel tše 2 di na le maotwana a
_____.

$$3 + 3 = 2 \times 3 = _____$$

Ditraesekel tše 4 di na le maotwana a
_____.

Ditraesekel tše 6 di na le maotwana a
_____.

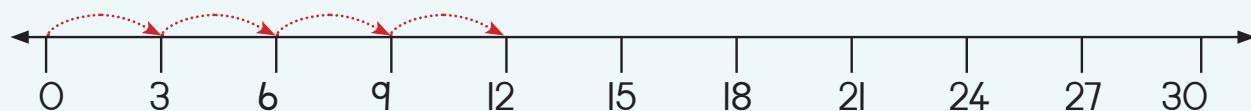
Ditraesekel tše 9 di na le maotwana a
_____.

Ditraesekel tše 8 di na le maotwana a
_____.

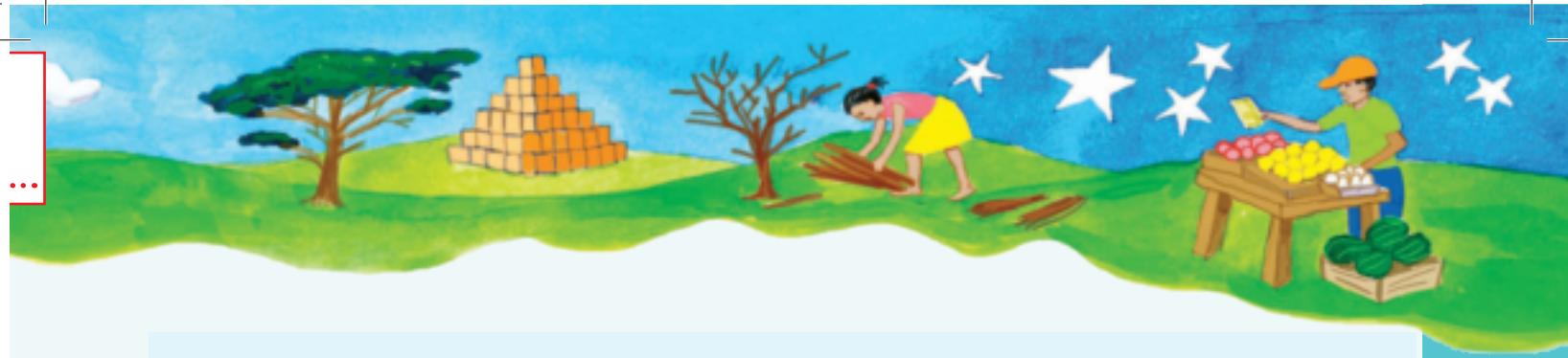


Methalopalo

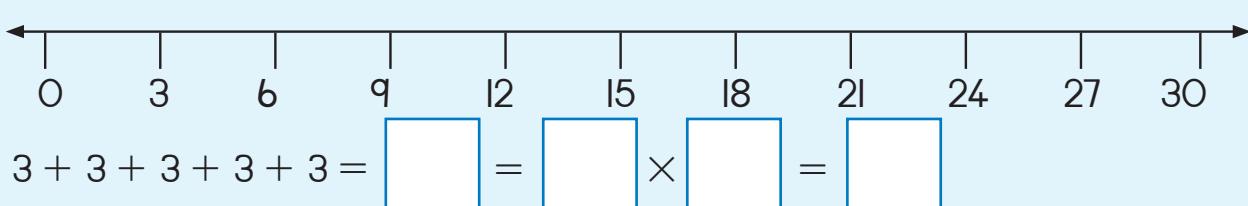
Latela mohlala.



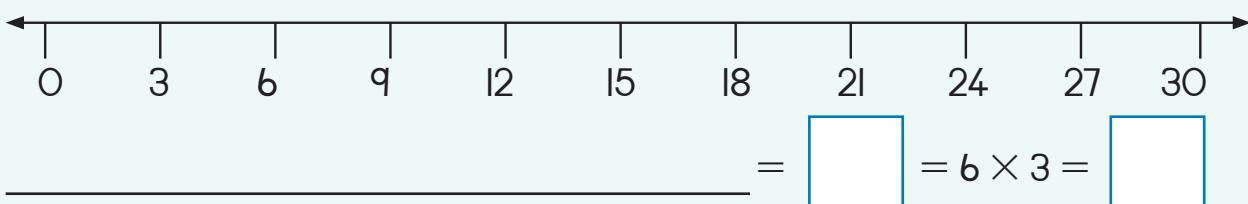
a. $3 + 3 + 3 + 3 = \boxed{\quad} = 4 \times 3 = \boxed{\quad}$



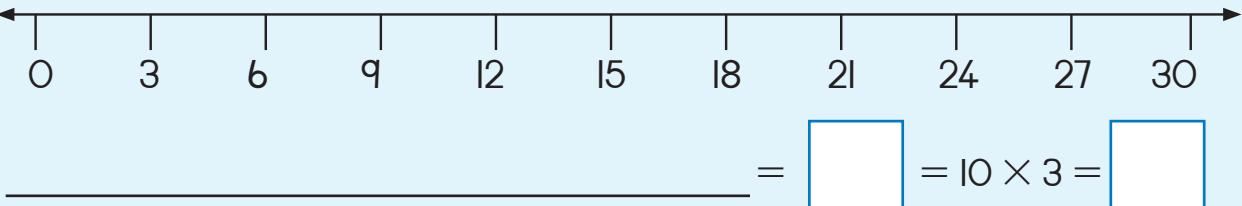
b.



c.



d.



Dipaesekele le ditraesekelé



Lebenkeleng la dipaesekele Tumišo o bala maotwana a dipaesekele le a ditraesekelé:
Palo ya maotwana ka moka ke 14.

Na go na le dipaesekele tše kae? _____

Na go na le ditraesekelé tše kae? _____



Teacher:
Sign:
Date:

Letšatšikg wedi:

.....



L

E

T

Na ke eng seo se tšwelelago ka di-4?



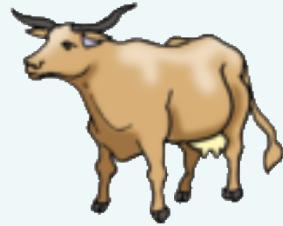
Maotwana a mane

Dikgomō di na le maoto a mane.

Dintlhā tše dingwe tša

nomoro ya 4 ...

$$4 + 4 = 8; 2 \times 4 = 8$$



Na ke eng gape seo se tšwelelago ka di-4? _____



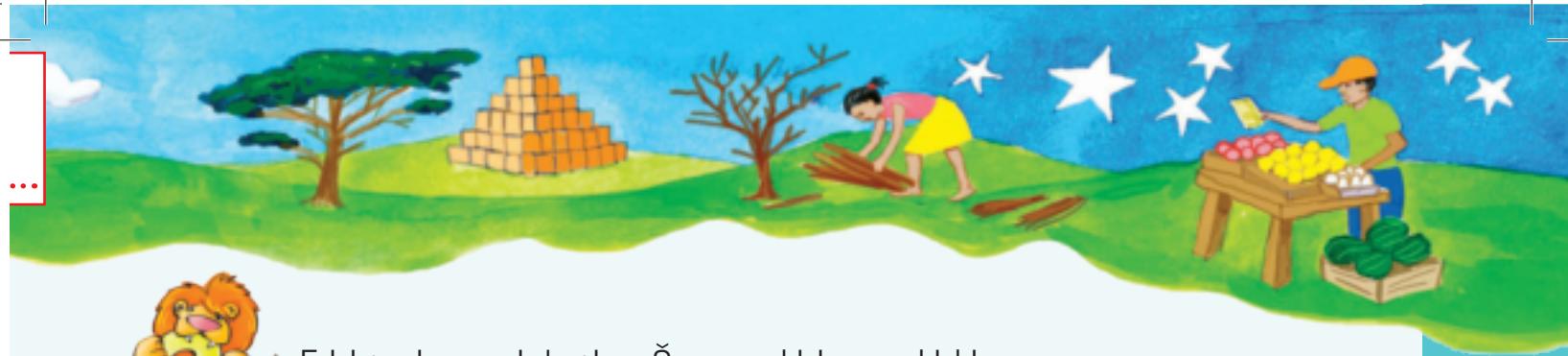
Go bala maoto

Bontšanang dikarabo.

Efa tlhalošo ya seo o se
dirilego.

Šomiša tsebo ye o nago le yona ka di-4 gore o arabe dipotšišo tše.

kgomo e 1		maoto a	<input type="text" value="4"/>	dikgomō tše 2		maoto a	<input type="text" value="8"/>
dikgomō tše 3		maoto a	<input type="text"/>	dikgomō tše 4		maoto a	<input type="text"/>
dikgomō tše 5		maoto a	<input type="text"/>	dikgomō tše 6		maoto a	<input type="text"/>
dikgomō tše 7		maoto a	<input type="text"/>	dikgomō tše 8		maoto a	<input type="text"/>
dikgomō tše 9		maoto a	<input type="text"/>	dikgomō tše 10		maoto a	<input type="text"/>



Feleletša lenaneo la ka tlase. Šomiša mohlala go go hlahla.

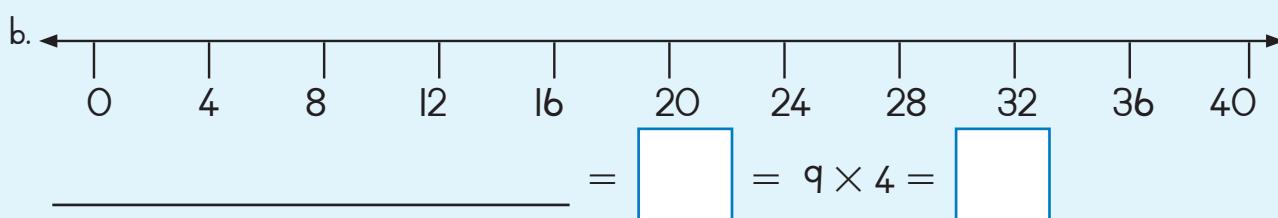
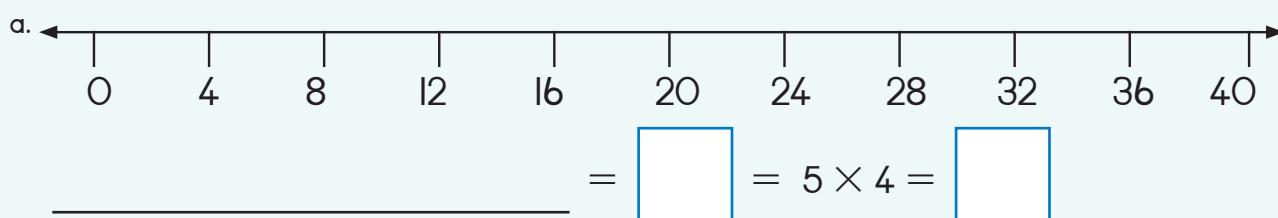


Dikgomo tše 3 di na le maoto a _____ .	$4 + 4 + 4 = 3 \times 4 =$ <u>12</u>
Dikgomo tše 5 di na le maoto a _____ .	
Dikgomo tše 4 di na le maoto a _____ .	
Dikgomo tše 7 di na le maoto a _____ .	
Dikgomo tše 8 di na le maoto a _____ .	



Methalopalo

Feleletša lefoko: Bontšha palo ya go atiša mo go mothalopalo gomme o feleletše.



Teacher: _____
Sign: _____
Date: _____

29

Letšatšikg wedi:

Kotara ya |



Dipatrone tša kriti

Na ke patrone efe ya nomoro yeo didiko ka go kriti ye nngwe le ye nngwe ya dipoloko tše 100 e e laetšago?

Thala didiko tše dingwe gape go feleletša patrone ye nngwe le ye nngwe.

Ngwala leina la patrone ye nngwe le ye nngwe.

a. Patrone: _____

			○				○		
			○				○		
			○				○		
			○				○		
			○				○		
			○				○		
			○				○		

b. Patrone: _____

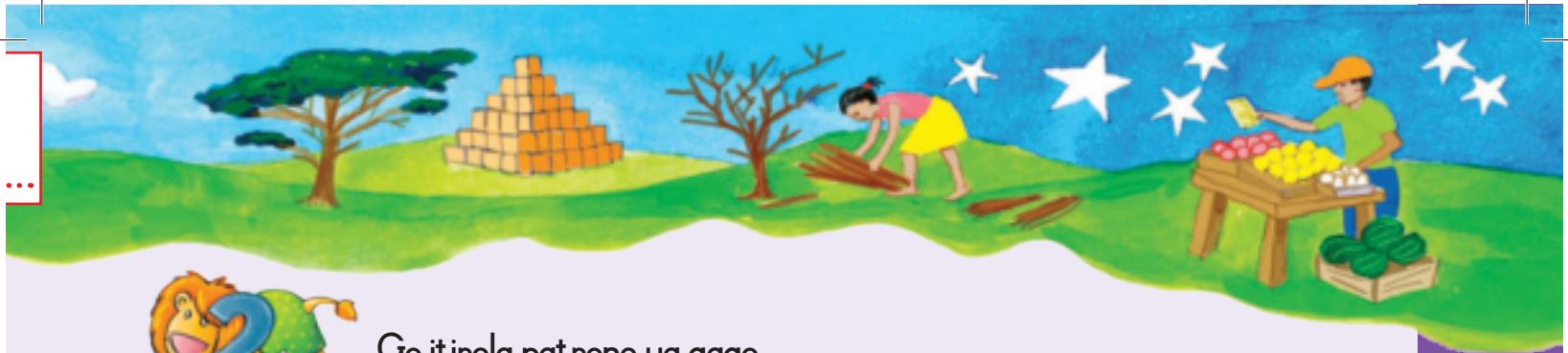
○		○		○		○		○	
○		○		○		○		○	
○		○		○		○		○	
○		○		○		○		○	
○		○		○		○		○	
○		○		○		○		○	
○		○		○		○		○	

c. Patrone: _____

		○			○			○	
○			○			○			○
○			○		○			○	
	○			○			○		
○			○			○			○
○			○			○			○
○			○			○			○

d. Patrone: _____

			○			○			○
○				○			○		
	○				○			○	
○				○			○		
		○				○			○

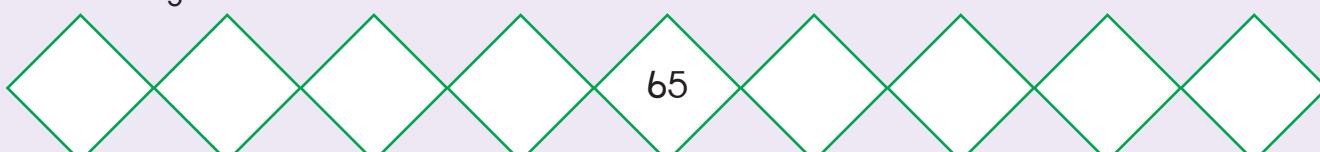


Go itirela patrone ya gago

a. Go patrone ye ya nomoro, dinomoro ka moka ke dipalotekanelo. Na dinomoro tše dingwe ke dife? Di ngwale.



b. Go patrone ye ya dinomoro, dinomoro ka moka ke dipalotlhokatekanelo. Na dinomoro tše dingwe ke dife? Di ngwale.



Na ke tša mo kae?



Patrone ya di-3 le ya di-4

Mohlala: 48

Patrone ya di-3 le ya di-5

Patrone ya di-4 le ya di-5



Lewatle

Molelo o kgoboketša dikgapetla tša dikgopana tša lewatle tša magareng ga **60** le **70**. O di bala ka di-3. Dinomoro tše di kgonagalago ke: **61**, _____, _____, 70,

Ge a di bala ka di-5, o šalelwā ke tše 4.

Dinomoro tše di kgonagalago ke: _____, _____.

Phuki o na le dikgopa tše kae? _____.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

30a

Letšatsikg wedi:

Kotara ya |

Go arola



Abaganya malekere:



- a. Abaganya malekere a 30 magareng ga bana ba ba 2.



Re ka e ngwala bjale

$$30 \div 2 = 15$$

- b. Abaganya malekere magare ga bana ba 3.



$$\div =$$

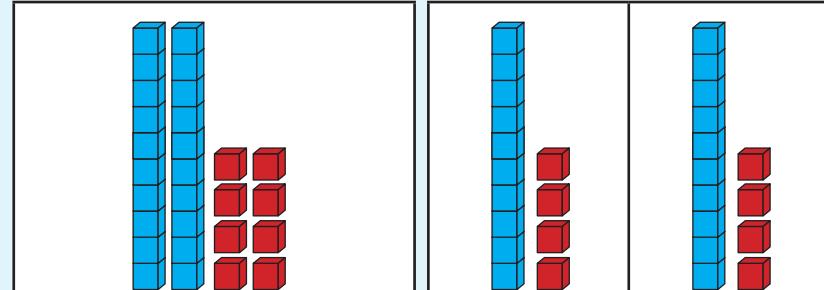
- c. Abaganya malekere a 30 magareng ga bana ba ba 5.



$$\div =$$



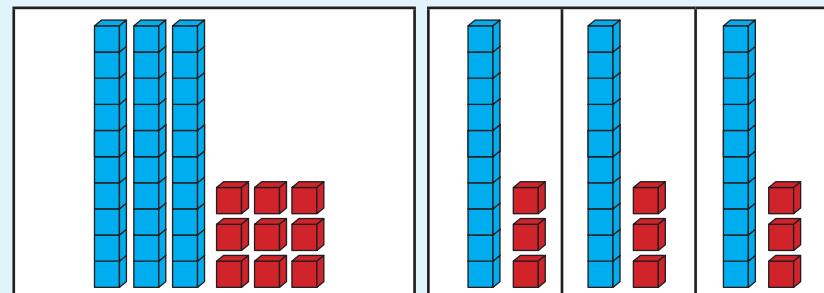
Re ka šomiša dipoloko tše dinomoro go dira karolo.



$$\begin{array}{r} 2 \ 8 \\ \div \ 2 \\ = \end{array} \quad \begin{array}{r} 1 \ 4 \end{array}$$

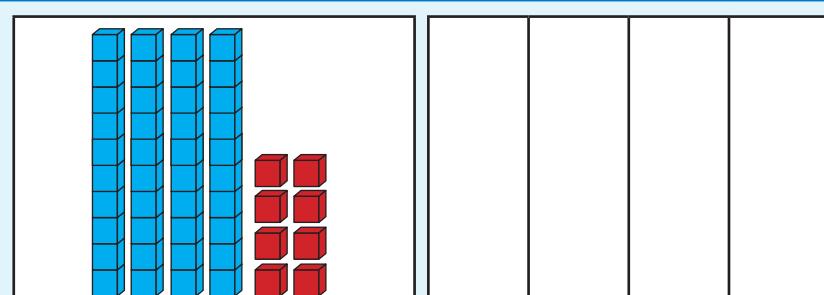
Bjale dira tše:

a.



$$\begin{array}{r} \square \ \square \\ \div \ 3 \\ = \end{array} \quad \begin{array}{r} \square \ \square \end{array}$$

b.



$$\begin{array}{r} \square \ \square \ \square \\ \div \ 4 \\ = \end{array} \quad \begin{array}{r} \square \ \square \end{array}$$



Teacher:
Sign:
Date:

30b

Letšatšikg wedi:



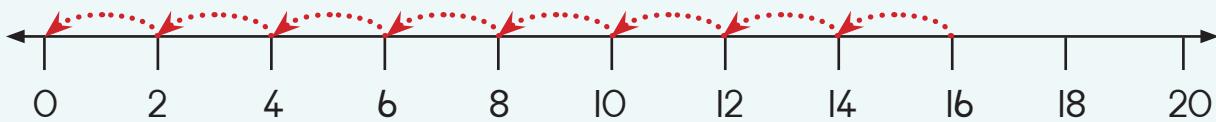
Kotara ya |

Go arola (tšwetšopele)



Šomiša methalopalo go ngwala lefokopalo la go ntšha le la go arola.

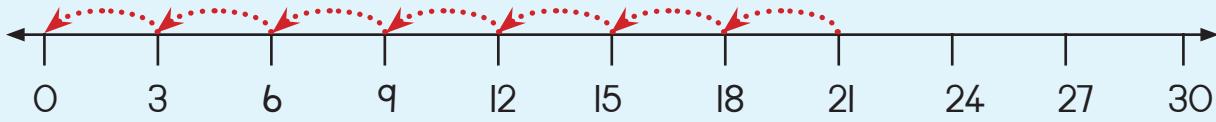
Mohlala:



$$16 - 2 - 2 - 2 - 2 - 2 - 2 - 2 = 0$$

$$16 \div 2 = 8$$

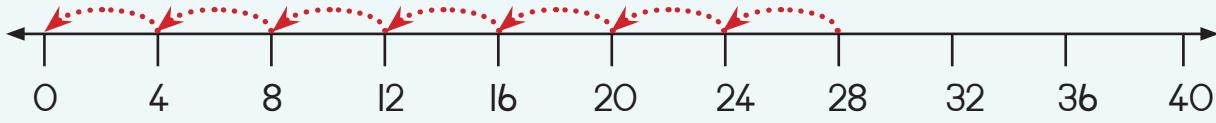
a.



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

$$\boxed{} \div \boxed{} =$$

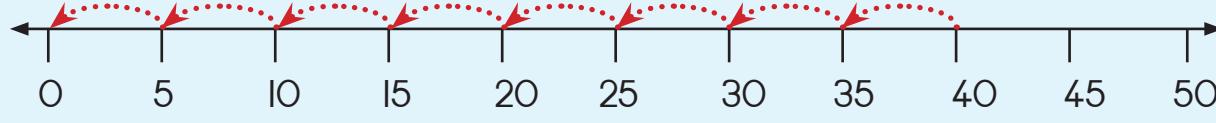
b.



$$\begin{array}{r} 28 - \\ \hline \end{array} =$$

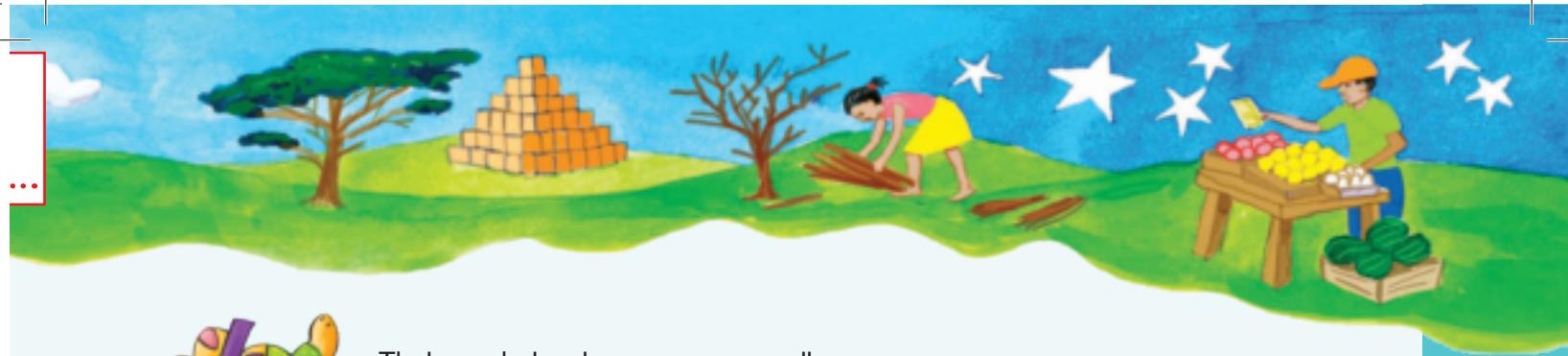
$$\boxed{} \div \boxed{} =$$

c.



$$\begin{array}{r} \hline \\ \hline \end{array} =$$

$$\boxed{} \div \boxed{} =$$



Thala mothalopalo gomme o e rarolle.

a. $30 \div 5 =$



b. $22 \div 2 =$



c. $27 \div 3 =$



d. $32 \div 4 =$



e. $25 \div 5 =$



Tlhohlo

Laetša mekgwa ka moka yeo
o ka aroganyago malekere a
24 ka go lekana magareng
ga dihlopha tša bana.

Ngwala lefokopalo go laetša
karabo ya gago.



Teacher: _____
Sign: _____
Date: _____

31

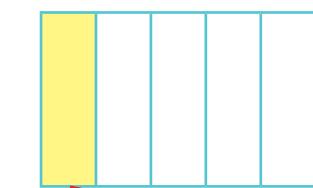
Letšatsikg wedi:

Kotara ya |



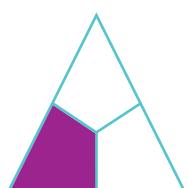
Dipalophatlo

Thala methalo go nyalanya dibopego le dipalophatlo.



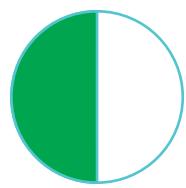
Teetharong

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



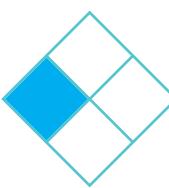
Teetlhanong

$$\frac{1}{5}$$



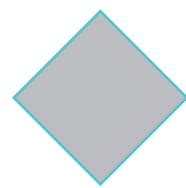
Kotara

$$\frac{1}{4}$$



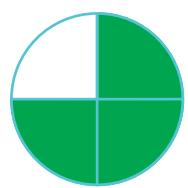
Seripagare

$$\frac{1}{2}$$



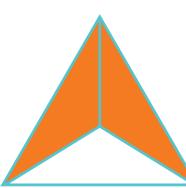
Tharonneng

$$\frac{3}{4}$$



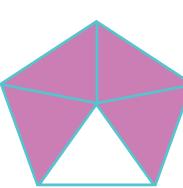
Nnetlhanong

$$\frac{4}{5}$$



Tee

$$1$$



Peditharong

$$\frac{2}{3}$$

Arola gomme o khalare sebopego go laetša palophatlo ye e ngwadilwego:

$$\frac{1}{2}$$

Seripagare

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

Teetharong

$$\frac{1}{4}$$

Kotara

$$\frac{1}{5}$$

Teetlhanong

Laetša palophatlo ka go thala mothalo go dikologa palo ya maleba ya malekere.

$$\frac{1}{2}$$

Seripagare

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

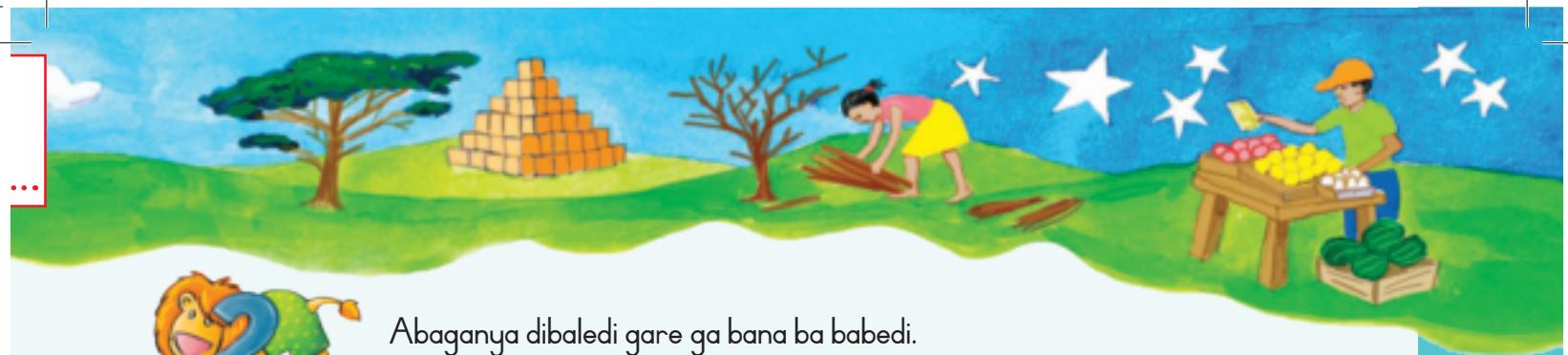
Teetharong

$$\frac{1}{4}$$

Kotara

$$\frac{1}{5}$$

Teetlhanong



Abaganya dibaledi gare ga bana ba babedi.

<ul style="list-style-type: none"> Re hweditše dibaledi tše 2 yo mongwe le yo mongwe. Seripagare sa dibaledi tše 4 	<ul style="list-style-type: none"> Re hweditše dibaledi tše ___ yo mongwe le yo mongwe. ___ ya dibaledi tše ___ ke ___. 	<ul style="list-style-type: none"> Re hweditše dibaledi tše ___ yo mongwe le yo mongwe. ___ ya dibaledi tše ___ ke ___. 	<ul style="list-style-type: none"> Re hweditše dibaledi tše ___ yo mongwe le yo mongwe. ___ ya dibaledi tše ___ ke ___.
$4 \div 2 = 2$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$



Abaganya malekere magare ga bana.

<ul style="list-style-type: none"> kotara malekere = 3 pedinneng malekere = ___ tharonneng malekere = ___ nnenneng malekere = ___ 	<ul style="list-style-type: none"> teetharong malekere = ___ peditharong malekere = ___ tharotharong malekere = ___



32

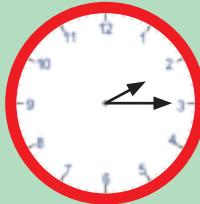
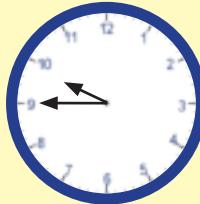
Letšatšikg wedi:

Kotara ya |

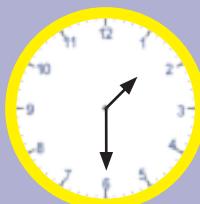
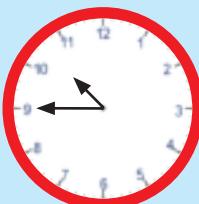


Ka go la mmagoja

Re ka ngwala nako ka tsela tša go fapania.

		
2:15 kotara go tšwa go iri ya bobedi	5:30 seripagare go tšwa go iri ya bohlano	9:45 kotara go ya go iri ya lesome

Ngwala dinako tše ka ditsela tša go fapania.

		
_____	_____	_____



Go ya gae

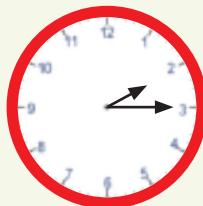
Na Maremo o tšeа sebaka se sekaakang go fihla gae?

Metsotso ye

Diiri tše



Maremo o tloga sekolong.



Ben o fihla gae.



Nako e a fofa

Nako ka bo-2 ...



Ga na le ...

metsotso ye mekae ka go diiri tše 2? _____

diiri tše kae ka go matšatši a 2? _____

matšatši a makae ka go dibeke tše 2? _____

dikgwedi tše kae ka go mengwaga ye 2? _____



Na go na le matšatši a makae?

Moranang 27 ke Letšatši la Tokolo.

Mosegamanye 16 ke Letšatši la Bafsa.

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

Mopitlo						
M	L	L	L	M	L	S
				1	2	3
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

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

- a. Go tloga go Letšatši la Tokolo go fihla go Letšatši la Bafsa go na le dikgwedi tše di tletšego tše _____, le mphelabeke tše di tletšego tše _____ le matšatši a _____.

- b. Na ke dibeke tše kae ka moka? _____
Na go šetše matšatši a makae? _____. Na ke matšatši a makae ka moka? _____.

- c. Letšatši la matswalo a Oketšo le tla matšatši a 7 pele ga Letšatši la Tokolo.
Letšatši la Thati la matswalo le tla matšatši a mabedi ka morago ga Letšatši la Bafsa.
Na yo mogolo ke mang? _____
Ka matšatši a makae? _____



Teacher:
Sign:
Date:

33



Letšatšikqwedi:

Selebanywa ke 200



Go bala dinomoro



Bala gomme o bolele dinomoro ka moka go tloga go 101 go
fihla qo 200. Di šupe o le qare o tšwela pele.



Go nqwala dinomoro

- a. Ngwala nomoro ye e sego gona ka gare ga sekwere se sengwe le se sengwe se setalalerata.
 - b. Ngwala dinomoro ka moka.
 - c. Ngwala dinomoro tše 10 tšeо di tlago ka morago ga 200.

200; _____; _____; _____; _____; _____; _____; _____; _____; _____;



Ngwala dinomoro tše di tlogetšwego

a.

200		180			
50					110
					0

b.

87			107		
167					
					207
					237



Feleletša

$$\begin{array}{r}
 200 + 30 + 5 = 235 \\
 200 + 40 + 7 = \underline{\quad} \\
 200 + 60 + 8 = \underline{\quad} \\
 \underline{\quad} + \underline{\quad} + \underline{\quad} = 293 \\
 \underline{\quad} + \underline{\quad} + \underline{\quad} = 256
 \end{array}$$

Ngwala dinomoro ka tatelano ya go tloga go tše nnyane go fihla go tše kgolo.



Go bala go tloga go 100

Hwetša gore go nyakega nomoro efe gore o fihle go nomoro ye e latelago.

Thoma



Fetša



Teacher:
Sign:
Date:

34

Letšatsikgwedi:

Kotara ya 2



Go paka dikerese

MmaMotau o šoma femeng ya dikerese.
Ge dikerese di lokile, o di paka ka tsela ye ka gare ga mapokisi mo dišelofong.



Na go na le dikerese tše kae ka gare ga lepokisi le lengwe le lengwe? _____

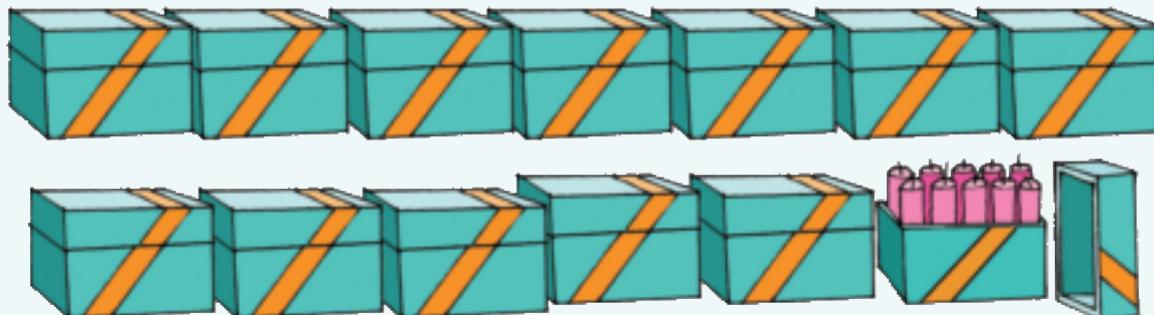
Na go na le mapokisi a makae godimo ga šelofo ye nngwe le ye nngwe? _____

Na go na le dikerese tše kae godimo ga šelofo ye nngwe le ye nngwe? _____



Mapokisi a dikerese

MmaMotau o tswalela mapokisi.



- a. Bala mapokisi ka moka.

Na ke mapokisi makae? _____

Na ke dikerese tše kae ge di kopane? _____

Na go sa nyakega mapokisi a makae gore dikerese di be 200? _____

- b. Na go na le dikerese tše kae ka gare ga:

Mapokisi a 2? _____	Mapokisi a 4? _____
Mapokisi a 5? _____	Mapokisi a 3? _____
Mapokisi a 6? _____	Mapokisi a 7? _____

- c. Na o sa nyaka mapokisi a makae go tsenya dikerese tše...?

40 ? _____ mapokisi	70 ? _____ mapokisi
50 ? _____ mapokisi	30 ? _____ mapokisi



35a

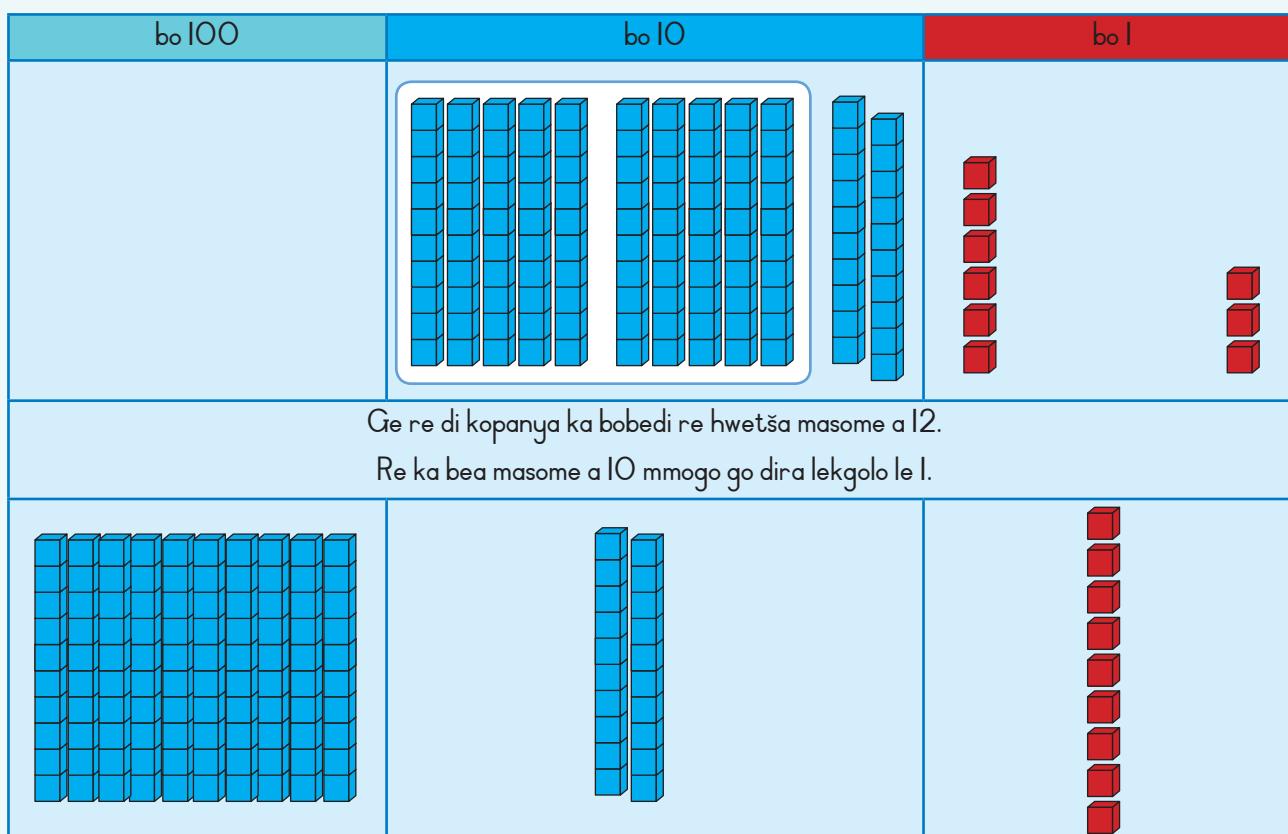
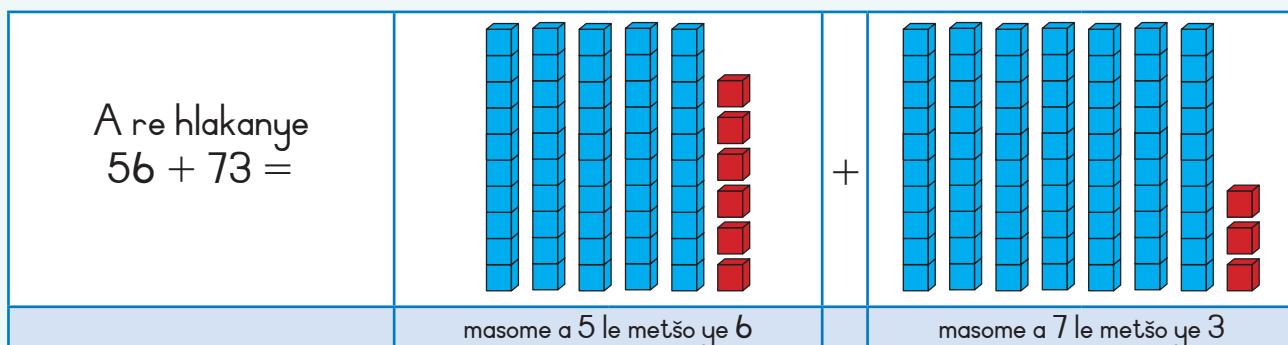
Letšatsikg wedi:

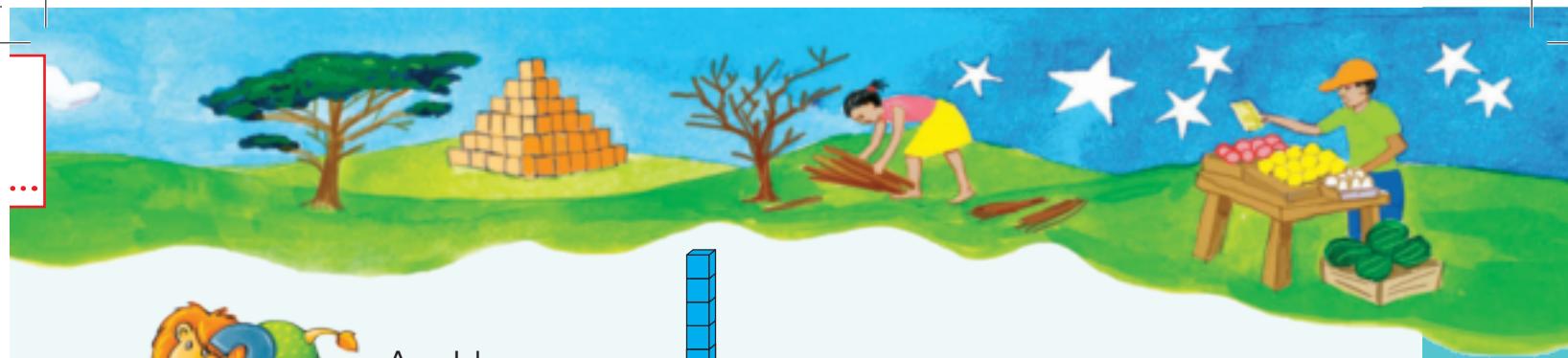
Kotara ya 2

Go bea masome mmogo le go a aroganya

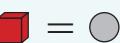
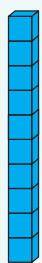


Go bea masome mmogo ge re hlakanya go fihla go qqq





A re lekeng.



Mohlala: $82 + 34$



$100 + 20 + 6 = 126$

a. $65 + 52$

b. $76 + 63$

c. $86 + 65$



35b

Letšatšikg wedi:

Kotara ya 2



Go bea masome mmogo le go a aroganya (tšwetšopele)

Šomiša mapokisana a gago a kemapalo.

Šomiša dipoloko tša kemapalo go dira dipalo tše pedi tše.	Na ka moka ke masome a mekae? ke metšo ye mekae?	Na o hlophile ka masome goba ka metšo? Lekola kemapalo yeo o e hlophilego gape.	Ngwala karabo.
$23 + 99 =$	_____ masome _____ metšo	$11 \text{ masome} + 12 \text{ metšo}$ $= 110 + 12$	122
$38 + 25 =$	_____ masome _____ metšo		
$77 + 31 =$	_____ masome _____ metšo		
$68 + 45 =$	_____ masome _____ metšo		
$83 + 47 =$	_____ masome _____ metšo		



Go aroganya masome ge re ntšha

Ge re ntšha, ka nako tše dingwe re swanetše go laetša lesome le tee
bjalo ka di-I tše lesome, goba lekgolo le tee bjalo ka masome a 10.

A re ntsheng: $60 - 55 =$

Re thoma ka di-10 tše tshelelago gomme ga go na metšo. Re nyaka go ntšha di-10 tše hlano le
metšo ye mehlano. (Tše re di ntšhago re di khalaria ka mmala wo mopududu)

Re ka kgona go laetša di-10 tše tshelelago ka tsela ye.	Goba e bedi-10 tše hlano le metšo ye lesome.	Ntšha di-10 tše hlano le metšo ye mehlano. Go šala metšo ye mehlano.	
		$60 - 55 = 5$	



A re lekeng.

a. $70 - 28$

7 masome	6 masome le 10 metšo	$70 - 28 =$	

b. $90 - 46$

c. $80 - 53$



Go hwetša phere ya dinomoro.

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	



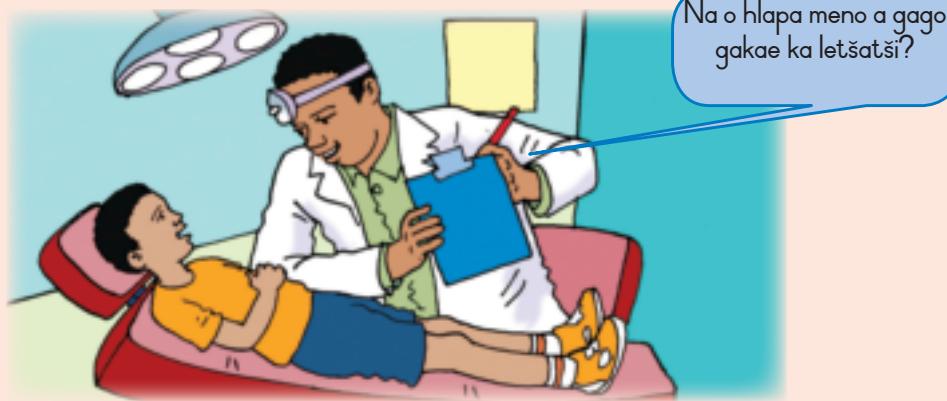
36

Letšatšikg wedi:

Kotara ya 2



Sehlopha sa bana se etela ngaka ya meno.



Se ke seo bana ba mmotšago sona.  = ga |

	✓	✓	✓	✓	✓	✓	✓	✓				
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓							

a. Bala maswao (✓) ao a laetšago gore bana ba hlapa meno gakae. Ngwala gore gakae.

 Gatee ka letšatši	
 Gabedi ka letšatši	
 Gararo ka letšatši	

b. O kgona go bona eng mo tafoleng?

Bontši bja bana bo hlapa meno ga _____ ka letšatši.

Go na le bana ba _____ ka gare ga sehlopha.



Thala seswantšho sa go laetša gore bana ba hlapa meno a bona gakae ka letšatši.



= gatee



Dira dinyakišo ka phapošing ya lena. Botšiša barutwana ba 15 – 20.

a. Ba hlapa meno gakae ka letšatši? _____

b. Thala seswantšho sa go swana le sa ka godimo go laetša seo o se lemogilego.



37a

Letšatsikg wedi:

Kotara ya 2



Hlakanya o be o ntšhe

Ngwala dipalo tša gago

Tumi o kgora go hlakanya dinomoro tša metšo le tša masome le go di hlopha ka lefsa. O kgora go hlakanya le go ntšha godimo ga letlakala, ntle le go diriša mapokisana. Ka nako o rata go thoma ka dikarata tša gagwe tša dinomoro go laetša dinomoro.

Go palo ya $56 + 73$, o hwetša dikarata tše:

$$\begin{array}{r} 50 \boxed{6} \\ + \quad 70 \boxed{3} \\ \hline \end{array}$$

O hlakanya metšo a bea karata ya di-q fase.

O tseba gore: $50 + 70 = 120$.

O tšeakarata ya **di-100**, le ya di-20 le ya di-q go bopa palo ya mahlakoretharo



O e ngwala ka tsela ye:

$$\begin{aligned} 50 + 70 + 6 + 3 \\ = 50 + 70 + q \\ = 120 + q \\ = 100 + 20 + q \\ = 12q \end{aligned}$$

$$\begin{array}{r} 100 \\ + 20 \\ \hline q \end{array}$$

Phuki o tseba ka mo dipoloko di šomago:

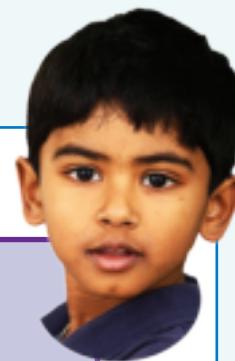
$$\begin{aligned} 50 + 6 + 70 + 3 \\ \cancel{+ 6} \quad \cancel{+ 3} \\ 120 + q \\ = 12q \end{aligned}$$



Ackar o rata go feleletša.

Ye o e dira ka tsela ye:

$$\begin{aligned} 56 + 73 \\ = 50 + 70 + 10 - 1 \\ = 130 - 1 = 129 \end{aligned}$$





Bjale leka ka bowena. Dira ye nngwe le ye nngwe ka ditsela tše pedi.

a. $86 + 62$

Mokgwa wa Tumi

$$80 + 60 + 6 + 2$$



Mokgwa wa Phuki

$$\cancel{80} + \cancel{6} + \cancel{60} + 2$$



b. $72 + 63$

c. $81 + 57$

d. $69 + 71$

Šomiša mokgwa wa Ackar o dire ye.



37b

Letšatšikg wedi:

Kotara ya 2



Hlakanya o be o ntšhe (tšwetšopele)

Bjale a re ntšhe.

a. $87 - 53$

Mokgwa wa Tumi

$$80 - 50 + 7 - 3$$

$$= 30 + 4$$

$$= 34$$



Mokgwa wa Phuki

$$80 + 7 - 50 + 3$$

$$\cancel{80} + \cancel{7} - \cancel{50} + \cancel{3}$$

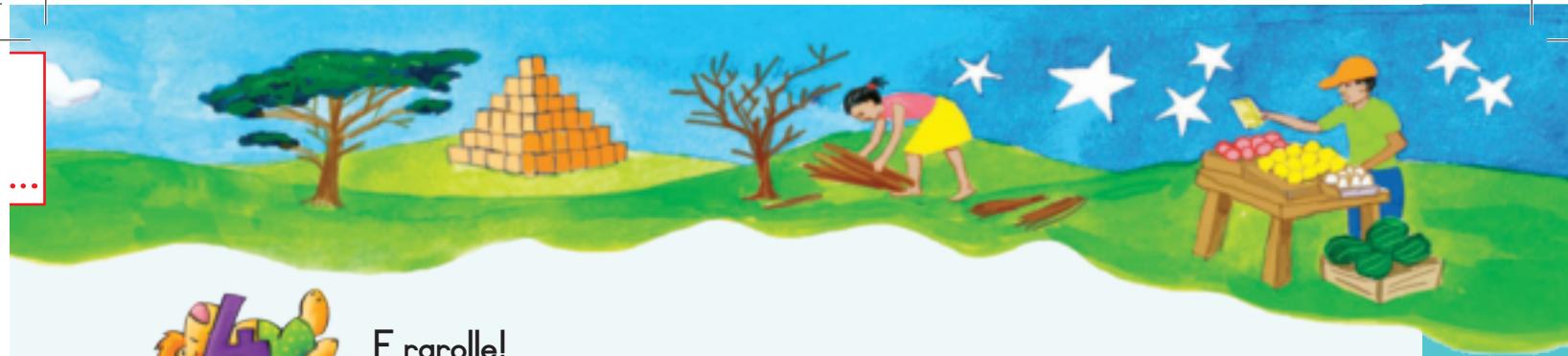
$$= 30 + 4$$



b. $95 - 73$

c. $86 - 62$

d. $85 - 69$



E rarolle!

Go na le mekgwa ye mentši ya go hlakanya **metšo** le **masome**. Kgetha mokgwa wo o o tsebago gomme o o rata go feta go rarolla dipalo tše. Bontšha mošomo wa gago.

- a. Rati o fula diperekisi tše 34 gomme ka morago a fula tše 67.
Ke diperekisi tše kae ge di hlakana?



- b. Bana ba Makakase ba boloka R47 mmogo.
Mmagobona o ba fa gape R58. Na bjale ba na le bokae?



- c. Pese ya sekolo e tsea leeto la 88 km mo mesong le 73 km ka meriti.
Ke dikolometara tše kae ge di hlakana?



Teacher:
Sign:
Date:

38

Letšatšikg wedi:

Kotara ya 2



Dikhurumelo tše mabotlelo

O ka šomiša mokgwa wo o o ratago. Laetša mošomo wa gago.



Mogoroši



Reabetšwe

Mogoroši o bala dikhurumelo tše mabotlelo tše 87. Reabetšwe o bala tše 38.

Na Mogoroši o bala dikhurumelo tše kae tše mabotlelo go feta Reabetšwe?



Khonsata ya sekolo



Tumišo

Tumišo o rekiša dithekethé. O thomile go rekiša dithekethé tše 92. O šetše ka tše 67.

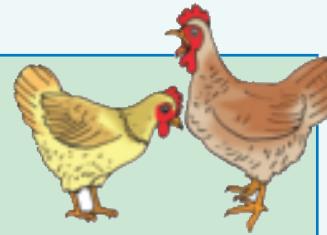
Na Tumišo o rekišitše dithekethé tše kae ka moka?



Go ihuta tšona mo gongwe gape.



Go na le matsuana a 69 ka hokong e tee gomme a
95 ka go ye nngwe. Na ke matsuana a makae ka moka?
Na go rekišitšwe matsuana a makae ka moka?
Bala ka fao Rati le Ackar ba rarollago lefokopalo.



Tsel a ya Rati

$$\begin{aligned} & 60 + 90 + 9 + 5 \\ & = 100 + 50 + 14 \\ & = 150 + 10 + 4 \\ & = 164 \end{aligned}$$



Tsel a ya Ackar

$$\begin{aligned} & 69 + 95 \\ & = 70 + 95 - 1 \\ & = 70 + 90 + 5 - 1 \\ & = 160 + 4 \\ & = 164 \end{aligned}$$



Na o a tseba gore
ke ka lebaka la eng
a ntšha?

- a. Bašemane ba kgoboketša R96 ya leeto la phapoši. Basetsana ba kgobokeditše R79. Na bašemane ba kgobokeditše bokae? Ba kgobokeditše bokae mmogo?

Šomiša mokgwa wa Rati

Šomiša mokgwa wa Ackar

- b. Sekolo se setee se kgoboketša dikilogramo tše 76 tša dithini. Sekolo se sengwe se kgoboketša dikilogramo tše 68 tša dithini. Na ke di kg tše kae tša dithini tšeо dikolo tše pedi di di kgobokeditšego?

Šomiša mokgwa wa Rati

Šomiša mokgwa wa Ackar



Teacher:
Sign:
Date:

39

Letšatšikgwedi:

Kotara ya 2

Bala o be o balele



Go hwetša karolo

Ngwala dinomoro tšeо di sego gona.

a.

100	
	27

b.

100	
39	

c.

100	
43	

d.

100	
56	

e.

200	
140	

f.

200	
	110

g.

200	
135	

h.

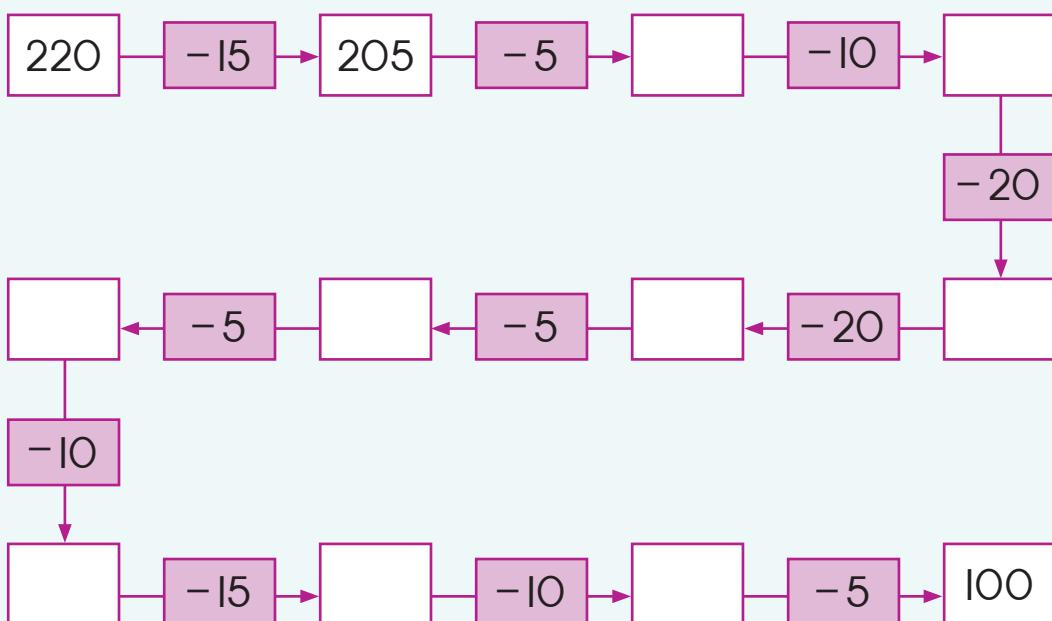
200	
	120



Balela morago go fihla go 100

Ntšha dinomoro tša ka go lepokisi le lepinki ka dinako tšohle.

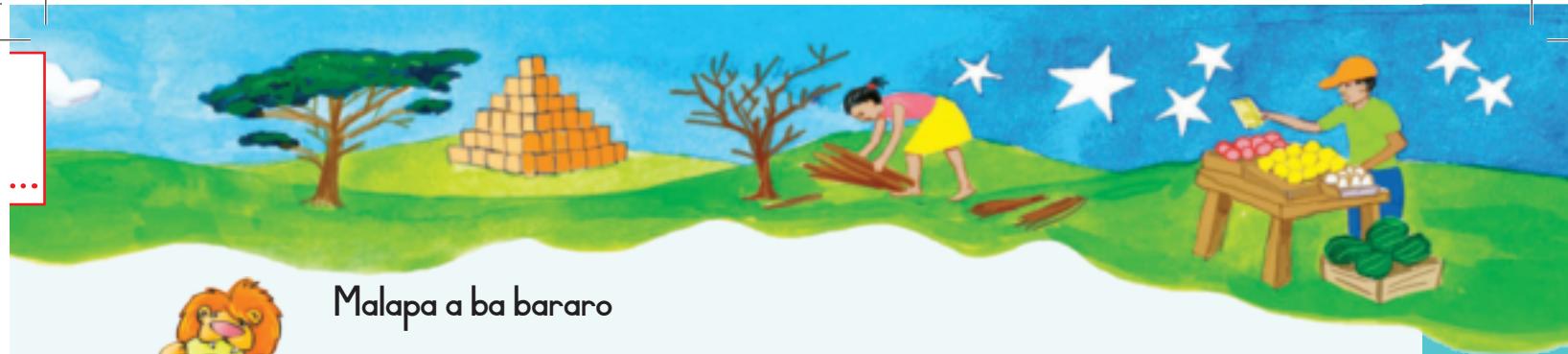
Re go diretše ya mathomo.



Ye ke tsela
ye bonolo ya go
lekola dikarabo
tša gago!

Thoma ka 100.
Balela morago go
fihla go 220.

Bjale, oketša
dinomoro.



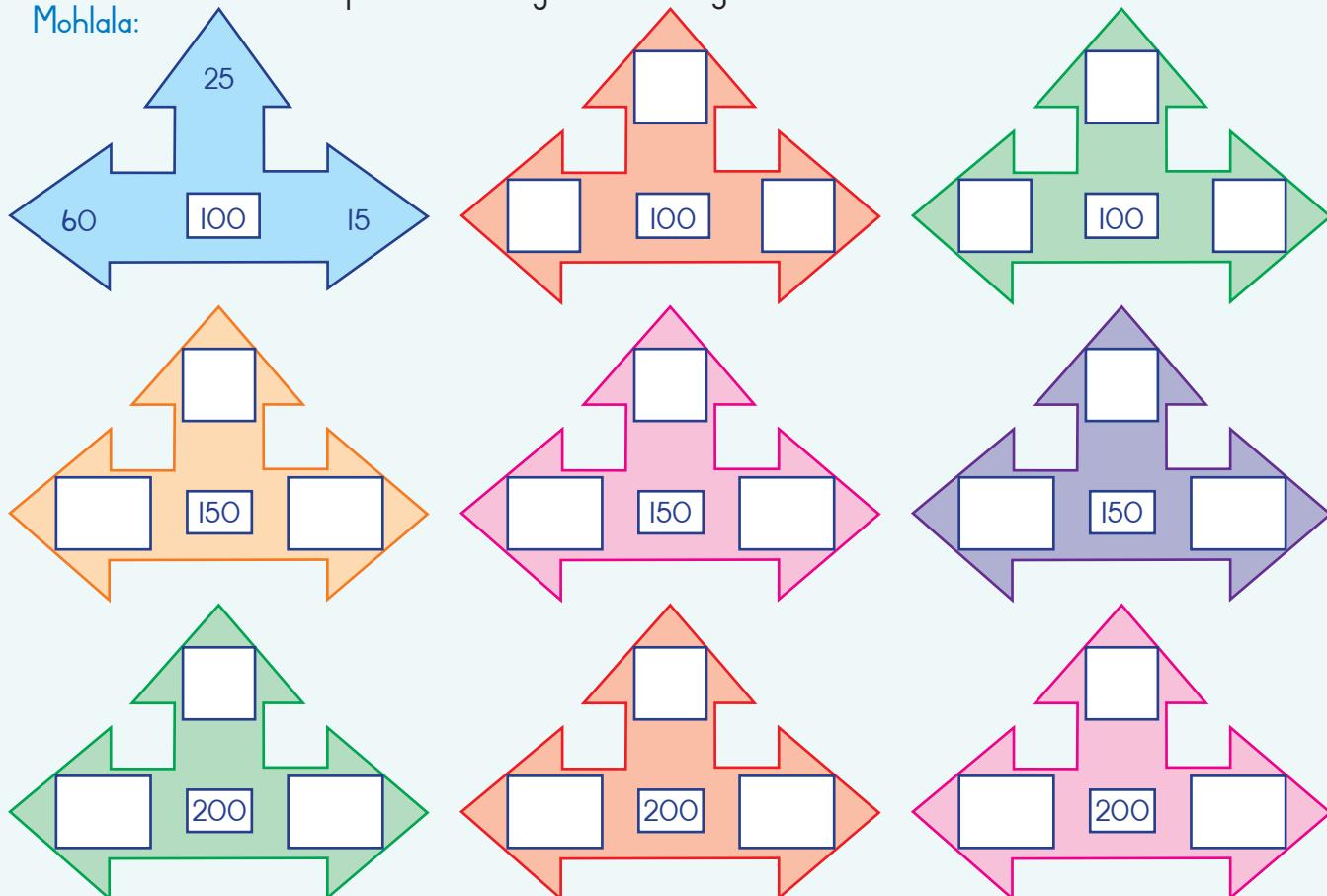
Malapa a ba bararo



Hwetša dinomoro tše 3 tše di dirago palo ya tebanyo.

Molao: Ke palo e tee fela yeo e ka felelago ka O.

Mohlala:



Oketšega ka 50, gape, fokotšega ka 50

Ngwala dikarabo mothalading wa bo 2.

	70	125	150	81	96	122	134	III	70
+50									
	120								
-50									
	186	200	158	179	139	79	126	138	99
	136								



40

Letšatsikg wedi:

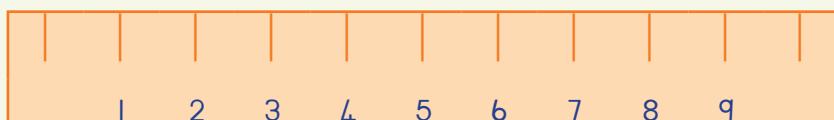
Kotara ya 2



Go ela ka disentimetara



Na bogolo bja sentimetara ke bjo bokaakang?



Dinomoro tseo di lego go rula di emetše disentimetara.

Re šomiša khutsofatšo goba leswao la **cm**.

Ge o šomiša rula, o swanetše go thoma go ela go tloga go O.

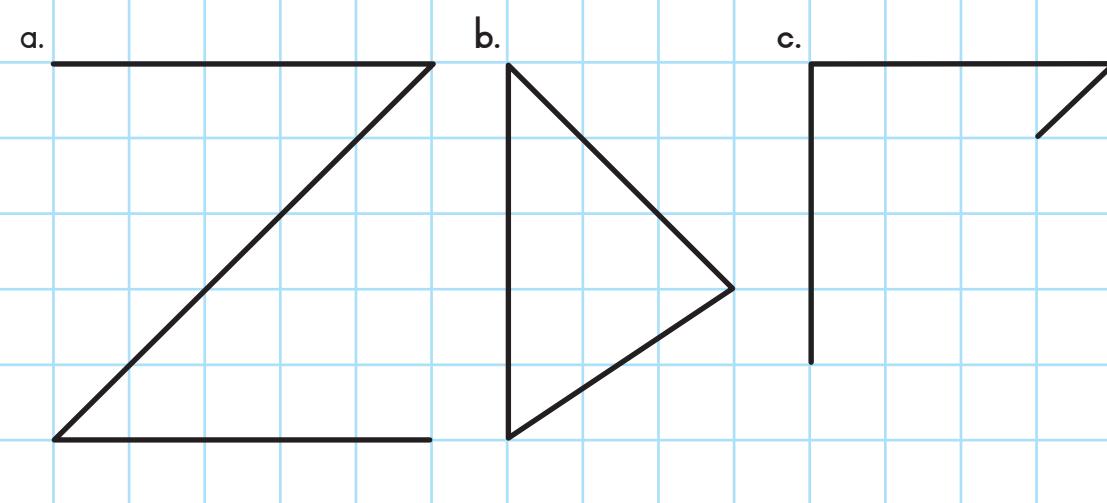
Dirula tše dingwe ga di laetše O bjalo ka yeo e lego letlakaleng le.

Hwetša cm ya lefeela go rula. Ngwala O go rula.

Na disentimetara tše 10 di gokae go rula ye? Ngwala 10 gona moo.



Lekanyetša, ka morago o mete ka nepagalo palomoka ya botelele bja methalo ye ka sentimetara o šomiša rula ya gago.



a. Akanyetša <input type="text"/> cm	b. Akanyetša <input type="text"/> cm	c. Akanyetša <input type="text"/> cm
Meta <input type="text"/> cm	Meta <input type="text"/> cm	Meta <input type="text"/> cm



Na mothaladi wo mongwe le wo mongwe ke wo mokae ka botelele?

Na mothaladi wo mongwe le wo mongwe ke wo mokae ka botelele?

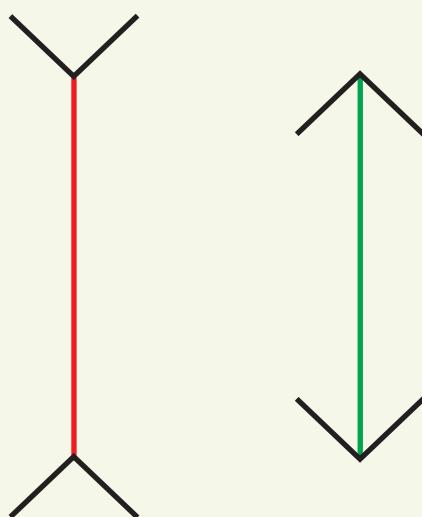
a. ————— <input type="text"/> cm	d. <input type="text"/> cm
b. ————— <input type="text"/> cm	e. ————— <input type="text"/> cm
c. ————— <input type="text"/> cm	f. ————— <input type="text"/> cm



Na o na le nnete?

Ke ofe wo motelele, mothaladi wo mohubedu goba wo motalamorogo?

Na o ka lekola bjang?



Se se bitšwa go leantšha mahlo. Se se direga ge mahlo a gago a bona selo seo se sego gona. Methaladi ye mebedi e na le botelele bja go lekana. Methalo yeo e lebilego ka ntle e dira gore mothaladi wo mohubedu o lebelege o le wo moteletšana gomme methaladi ye meso ye e lebilego ka gare e dira gore mothaladi wo motalamorogo o lebelege o le wo mokopananyana.





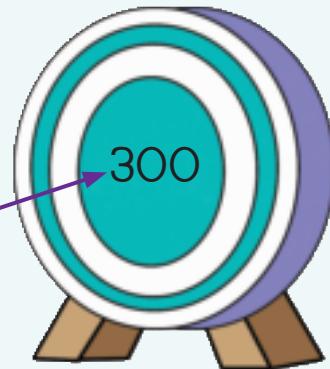
Letšatšikqwedi:

Kotara ya 2

Selebanywa 300



Go bala le go ngwala ka di-200

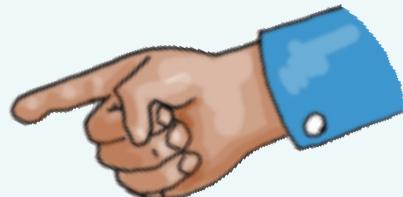


Bala go tloga go 201 go fihla go 300.

Šupa o le gare o sepela.

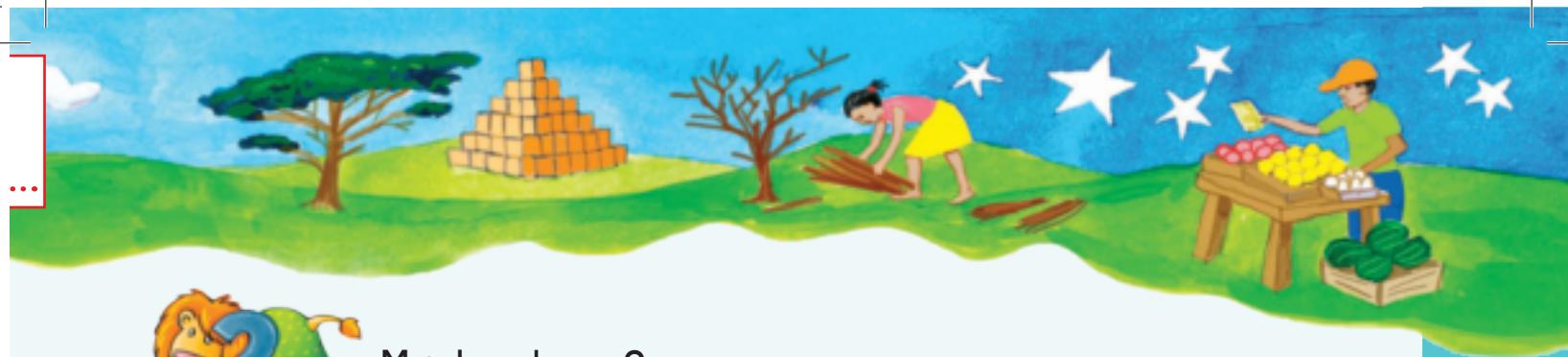
Bjale ngwala dinomoro tše talalerata pele.

Ngwala dinomoro ka moka.



Ngwala dinomoro tše 10 tše o di tlago ka morago ga 300.

300; _____; _____; _____; _____; _____; _____; _____; _____; _____; _____;



Motabogo ke eng?

30I

28I

I7I

2II

I0I



Go bontsha le go bapetša

- a. Ngwala dinomoro tše di tsenago ka go karata ye nngwe le ye nngwe.

298;

208;

30I;

276;

227;

269;

3II

200

90

8

- b. Ngwala dinomoro ka go latelana go tloga go ye nnyane go ya go ye kgolo.

_____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____



Ngwala dinomoro tše di tlogetšwego.

Thoma



Fetša



Teacher:
Sign:
Date:

I1

I2

I3

I4

I5

I6

I7

I8

I9

I20

42

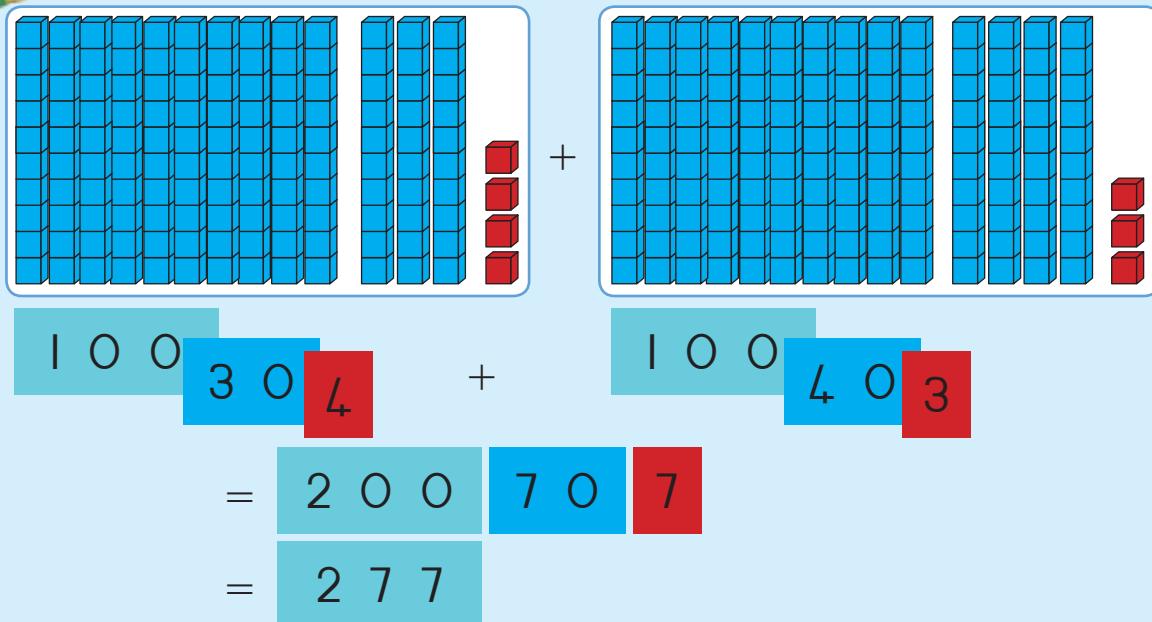
Letšatsikg wedi:

Kotara ya 2



Go hlakanya le go arola ka di-100

Go šomiša dipoloko go hlakanya



Lebelela mekgwa ye mebedi. Bontšha karabo ye nngwe le ye nngwe ka mekgwa ye mebedi.

a. $132 + 123$

Mokgwa wa Tumi

$$\begin{aligned} &= 100 + 100 + 30 + 20 + 2 + 3 \\ &= 200 + 50 + 5 \\ &= 255 \end{aligned}$$



Mokgwa wa Phuki

~~$$\begin{aligned} &132 + 123 \\ &= 200 + 50 + 5 \\ &= 255 \end{aligned}$$~~

b. $114 + 162$



c. $276 + 148$



Ithute mokgwa wo mongwe le wo mongwe wa ye e latelago.

Rarolla palo ye nngwe ke ye nngwe ka tsela tše pedi tše di filwego.



a. $158 - 146$

Mokgwa wa Tumi

$$\begin{aligned} &= 100 - 100 + 50 - 40 + 8 - 6 \\ &= 0 + 10 + 2 \\ &= 12 \end{aligned}$$



Mokgwa wa Phuki

$$\begin{aligned} &\cancel{1} \cancel{5} \cancel{8} - \cancel{1} \cancel{4} \cancel{6} \\ &= 0 + 10 + 2 \\ &= 12 \end{aligned}$$

b. $194 - 122$

c. $288 - 199$



43

Letšatšikg wedi:

Kotara ya 2

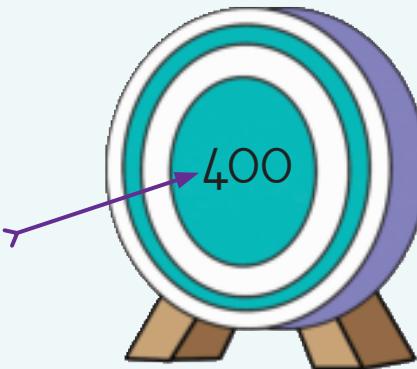


Go bala le go ngwala di-400

Bala go tloga go 300 go ya go 400.

Bolela dinomoro ge o dutše o tšwela pele.

Ngwala dinomoro tše di tlogetšwego mo go kriti.



301									310
				315					
					330				
331			335						
						249			
				365			368		
		273							
								390	
									400



Ngwala dinomoro tše 9 tše di tlago ka morago ga 400.

400; _____; _____; _____; _____; _____; _____; _____; _____;

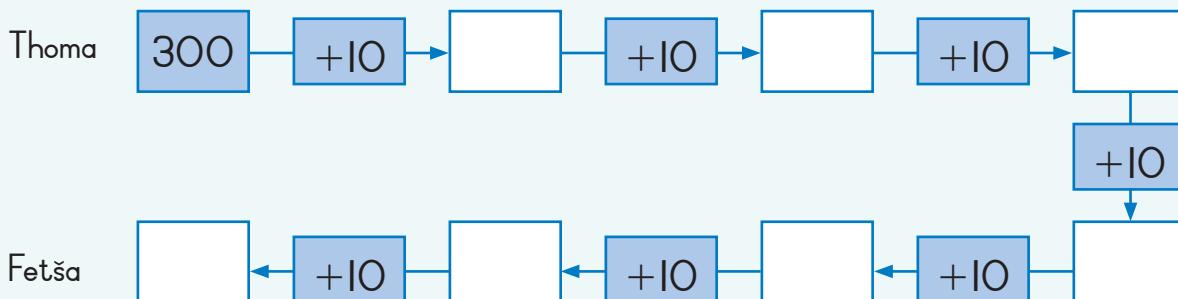
100

1 2 3 4 5 6 7 8 9 10

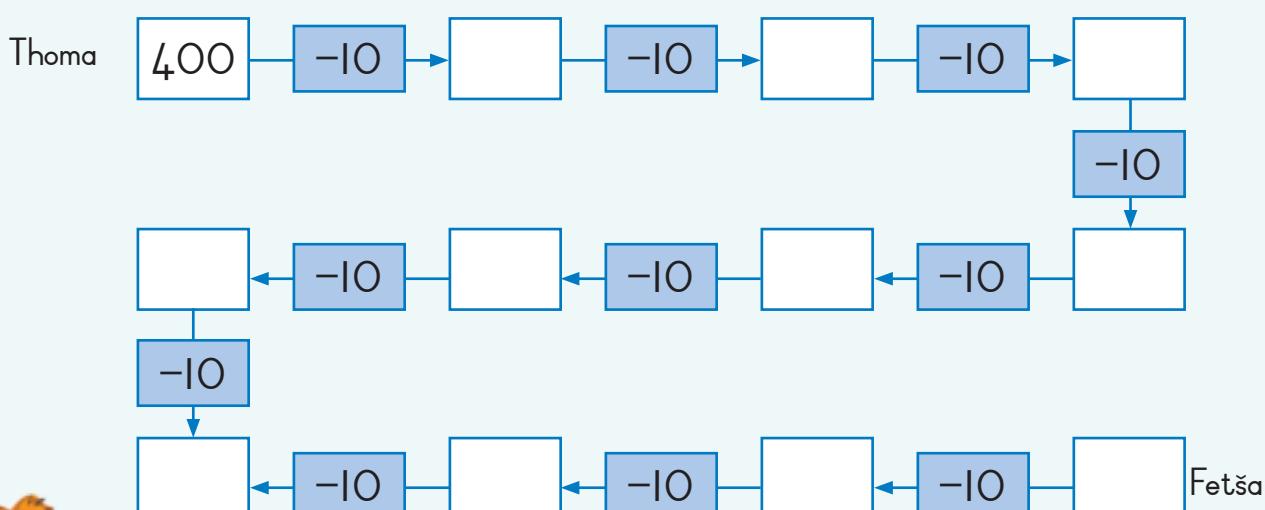


Phetogo ke eng?

- a. Go balela pele go tloga go 300



- b. Bala go tloqá go 400



Ngwala bjalo ka nomoro e tee.

$300 + 20 + 4 = \underline{\hspace{2cm}}$

$300 + 10 + 5 = \underline{\hspace{2cm}}$

$$300 + 50 + 3 =$$

$$300 + 70 + 7 =$$

$$300 + 60 + 2 =$$

$$300 + 90 + 9 =$$

$$300 + 80 + 1 =$$

$$300 + 10 + 8 =$$

Ngwala dinomoro ka qo latelana qo tloqa qo ye nnyane qo ya qo ye kgolo.

_____'; _____'; _____'; _____'; _____'; _____'; _____'; _____'; _____'; _____'



Teacher:
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Date:

44

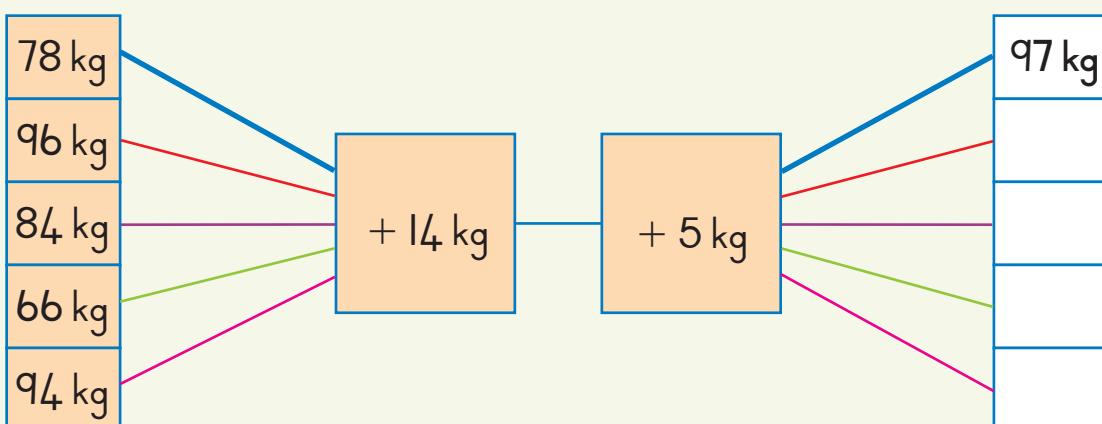
Letšatšikg wedi:

Kotara ya 2



Oketša ka dikilogramo tše dingwe

Hlakanya o be o ngwale dikarabo.



Go feleletša gomme o hlakanye!

Nagana ka bohlale!

Phukubje 25 kg	Khudu 98 kg	Tshwene 59 kg	Namane ya Pitsi 88 kg	Phelikene 9 kg

Feleletša boima bja phoofolo ye nngwe le ye nngwe gore bo fihle go 10 kg ya kgauswi.

Ngwala boima ka moka ka tatelano go tloga go tše bofefo go ya go tše boima.

Akanya palomoka ya boima bja diphoofolo tše 5.



Kopanya boima bja tšona



Nka no ba ke se boima go swana le wena, Khudu ya go tšofala, eupša ke na le nnete ya gore ke kitima go go feta!

Dikgato

- Šomiša dipalomoka tše o di hweditšego.
- Akanya boima bja diphoofto tše o di lego mothalong wo mongwe le wo mongwe.
- Hwetša palomoka.
- Bapetša dipalomoka tše pedi gomme o ngwale phapano.



	Ke a akanya	Ke a bala	Phapano
+			
+ +			
+ +			



Boima bja Lesiba

Lekola. Bapetša. Phošolla.

Lesiba o hlakanya boima bja gagwe le boima bja le bja .

Palomoka ya boima bja gagwe le bja tšona ke **239 kg**. Na Lesiba o imela bokae? Laetša karabo ya gago.

--	--



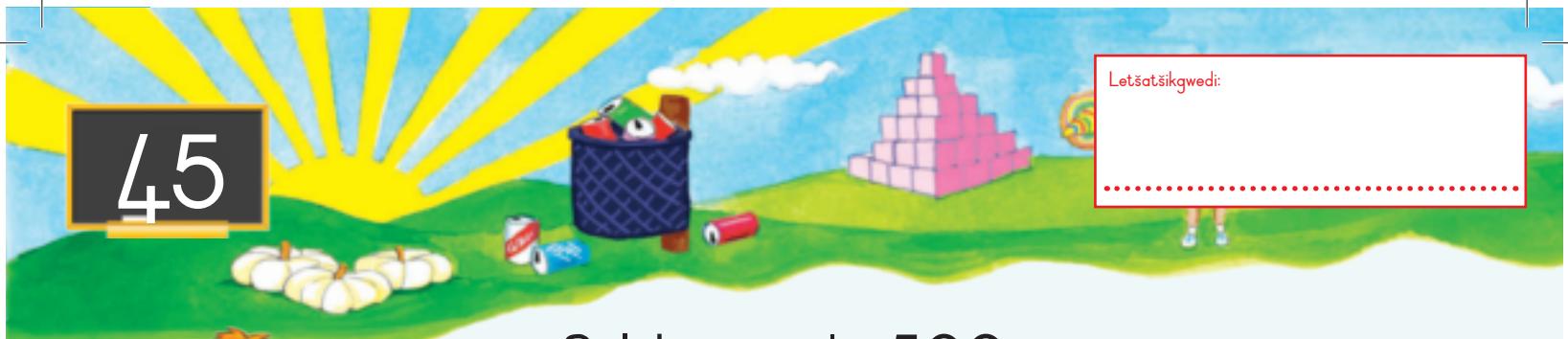
Na ke imela bokae?

Bapalang ka dihlopha. Šielanang.

Hlakanya boima bja gago le boima bja diphoofto tše dingwe. Hwetša palomoka. Efa karabo ya gago go sehlopha. O se ke wa ba bontšha mošomo wa gago! Ba swanetše go iteka gomme ba akanye ka boima bja gago.



45



Letšatšikg wedi:

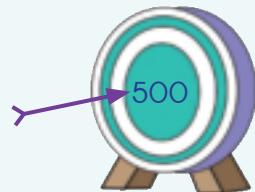
.....

Kotara ya 2



Bala o be o ngwale

401				405				410
411								420
	422				427			
		434						
			446					
					458			
462							470	
		473			477			
481							490	
							499	500



- a. Bala go tloga ka 400. Bala dinomoro o le gare o tšwela pele.
- b. Ngwala dinomoro tše di sego gona kriting.
- c. Ngwala dinomoro tše 9 tše di latelago ka morago ga 500.

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

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

400; 402; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

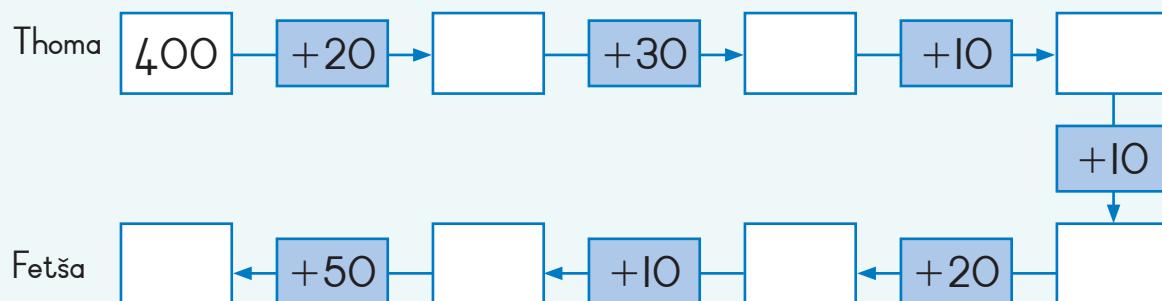
- e. Bala ka di-5. Ngwala dinomoro tše latelago tše 8 ka **patrone ya di-5**.

400; 405; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

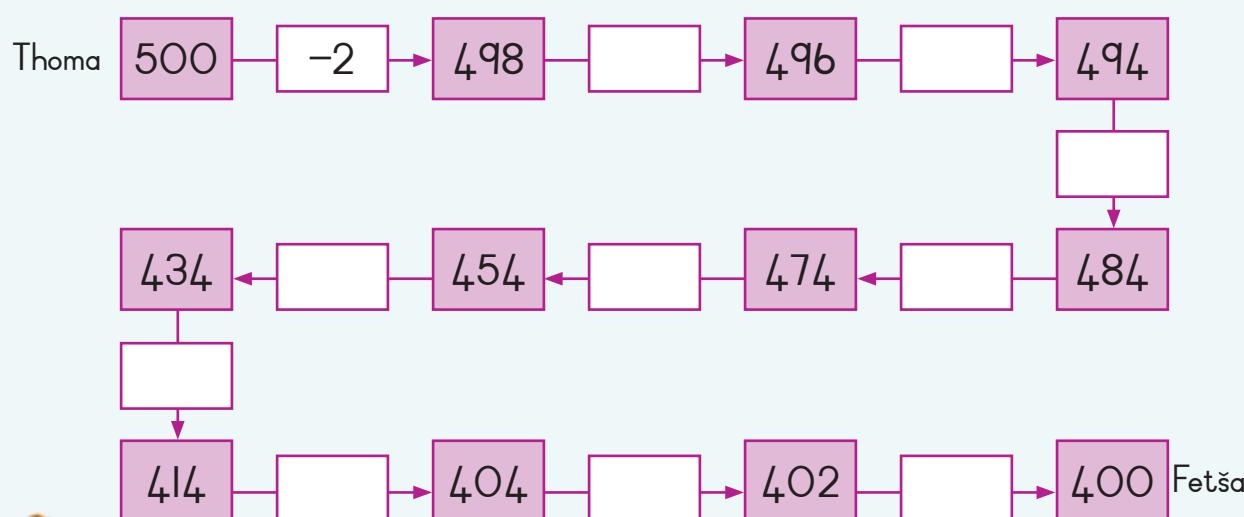


Ngwala dinomoro tše di tlogetšwego.

- a. Balela morago go tloga go 400.



- b. Balela morago go tloga go 500.



Go laetša dinomoro. Latela mohlala.

Hwetša palomoka ya dinomoro tše. šomiša dikarata tša dinomoro go laetša palomoka ye nngwe le ye nngwe.

$405 + 10$	415	$400 + 10 + 5$
$446 + 10$		
$455 + 10$		

$398 + 10$		
$424 + 10$		
$460 + 20$		

Teacher:
Sign:
Date:

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Letšatsikg wedi:

Kotara ya 2

Na o lemoga eng?

$$\begin{array}{r} 200 \\ + 200 \\ \hline 400 \end{array} \quad \begin{array}{r} 50 \\ + 30 \\ \hline 80 \end{array} \quad \begin{array}{r} 4 \\ + 5 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 400 \\ + 80 \\ \hline 480 \end{array} \quad \begin{array}{r} 9 \\ + q \\ \hline \end{array}$$

$$489$$



Re ile go šomiša mokgwa wa Tumi le wa Phuki gape go hlakanya.

a. $245 + 231$

Mokgwa wa Tumi

$$\begin{aligned} &= 200 + 200 + 40 + 30 + 1 \\ &= 400 + 70 + 1 \\ &= 471 \end{aligned}$$

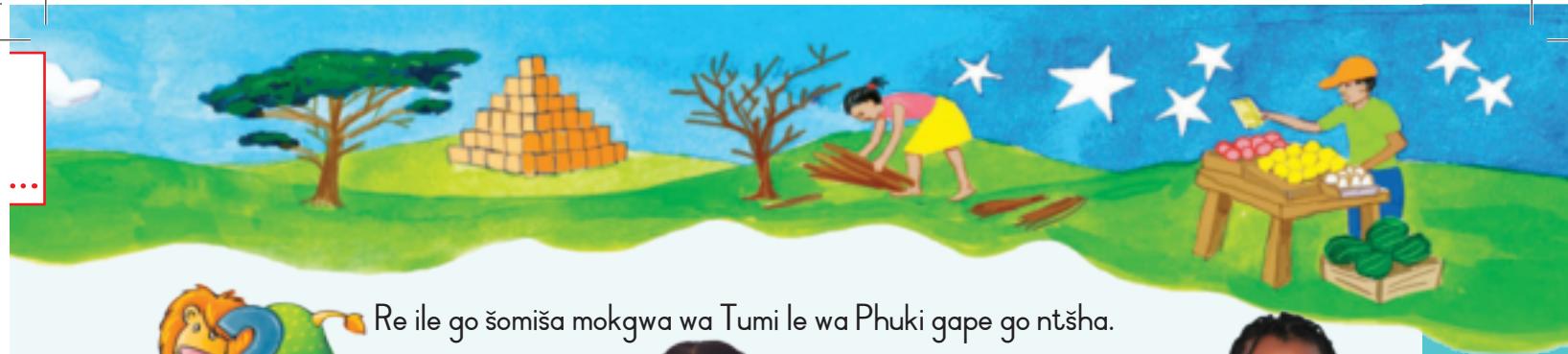


Mokgwa wa Phuki

$$\begin{aligned} &\cancel{\begin{array}{r} 245 \\ + 231 \\ \hline 476 \end{array}} \\ &= 400 + 70 + 6 \\ &= 476 \end{aligned}$$

b. $278 + 136$

c. $265 + 148$



Re ile go šomiša mokgwa wa Tumi le wa Phuki gape go ntšha.

a. $476 - 324$

Mokgwa wa Tumi

$$\begin{aligned} &= 400 - 300 + 70 - 20 + 6 - 4 \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$



Mokgwa wa Phuki

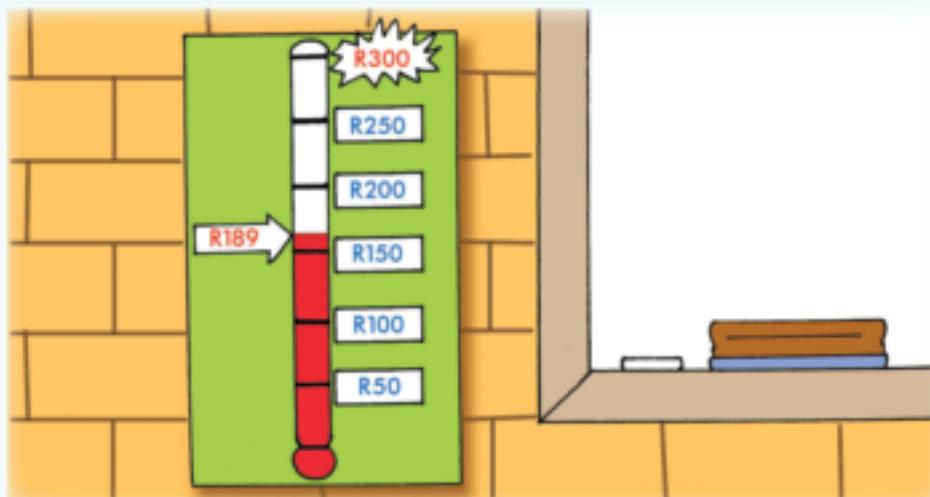
$$\begin{aligned} &\cancel{4} \cancel{7} 6 + 3 \cancel{2} 4 \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$

b. $489 - 456$

c. $482 - 161$



Go fihlelela selebanywa



Ithute seswantšho.

Go sa nyakega bokae gore re fihlelele selebanywa?

R



Teacher:

Sign:

Date:

Teacher: _____

Sign: _____

Date: _____

47

Letšatšikg wedi:



Kaonafatša mabokgoni a gago

Thaba ya sephiri

Efa leina la thaba ye kgolo kudu kua Gauteng. Šomiša khoutu go hwetša karabo. Tswalanya karabo ye nngwe le ye nngwe lenaneong le tlhaka yeo e lego khoutung.

A	B	C	D	E	F	G	H	I	J	K	L	M
I	2	3	4	5	6	7	8	q	IO	II	I2	I3
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
I4	I5	I6	I7	I8	I9	20	2I	22	23	24	25	26

Mohlala wa dinomoro	Karabo	Tlhaka
Mohlala: $2 \times 3 \times 3 \times 1 = \square$	18	R
$50 + 50 + 50 + 100 - 200 - 45 = \square$		
$1 + 2 + 7 + 10 + 7 + 1 - 14 = \square$		
$60 - 30 + 50 + 20 - 50 - 15 - 20 = \square$		
$3 + 2 + 7 + 1 + 2 + 1 + 3 = \square$		
$5 + 3 + 30 = 4 + 2 + 12 + \square$		
$100 - 5 - 70 = 20 + \square$		
$36 + 44 - 60 - 22 = \square$		
$10 + 15 = 14 + \square$		
$2 + 1 + 14 + q + 14 = 25 + \square$		
$1 \times 2 \times 2 \times 2 \times 2 = \square$		

Leina la thaba ke:



Lebelela! Nagana, gomme o arabe!

• * ☽ * • • * ☽ * • • * ☽ * •

I 2 3 4 5 6 7 8 9 10 II 12 13 14 15

a. Na nomoro ya 16 e tla ba ya sebopego sefe?
Swaya (✓) ya maleba.

* • ☽

Nomoro ya 18 e tla ba ya sebopego se sebjang?
Swaya (✓) ya maleba.

* • ☽

Nomoro ya 28 e tla ba ya sebopego se sebjang?
Swaya (✓) ya maleba.

* • ☽

b. Nomoro ya 50 e tla ba *.
Nnete goba Maaka?

Nomoro ya 100 e tla ba •.
Nnete goba Maaka?

Nomoro ya 23 e tla ba ☽.
Nnete goba Maaka?



Ye ntši ke efe?

Go hweša R250 ka letšatši e le
tšhelete ya potla ka Mosegamanye le
Phupu; goba go hwetša RI50 letšatši
la mafelelo a Phato?

Hlahloba. Bapetša. Lokiša.



Teacher:
Sign:
Date:

II 12 13 14 15 16 17 18 19 20

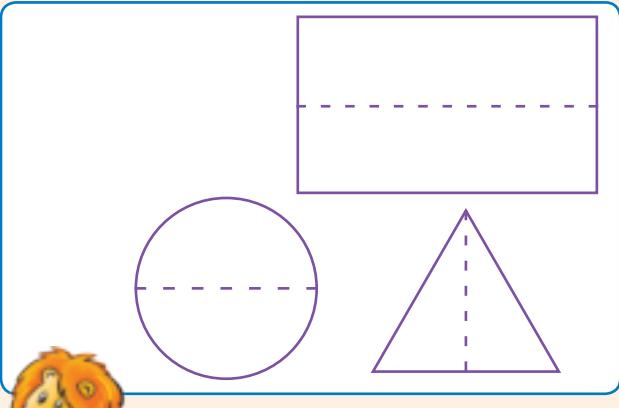
48

Letšatšikg wedi:

Kotara ya 2

Go lekana

O lemoga eng ka dibopego tše?

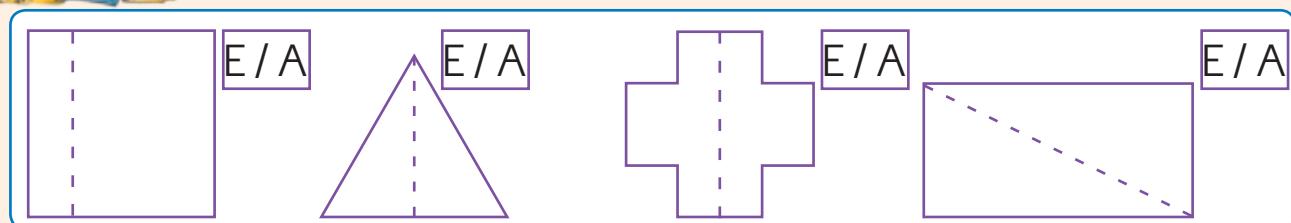


Mothalo wa go lekana o arola sebopego ka diripagare tše pedi gore seripagare se sengwe le se sengwe e be seipone sa se sengwe.

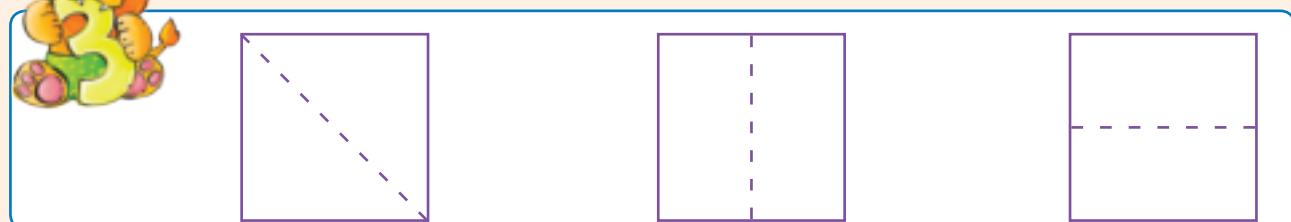
Sebopego se na le tekanyetšo ge o ka se mena go latela mothalotekanyetšo gore diripagare tše pedi di swane tlwa!



Na mothalokhutlo ke mothalo wa go lekantšha goba aowa?
Dira sediko go (E) Ee goba (A) Aowa.



Na mothalo wo ke wa go lekantšha? Efā lebaka.

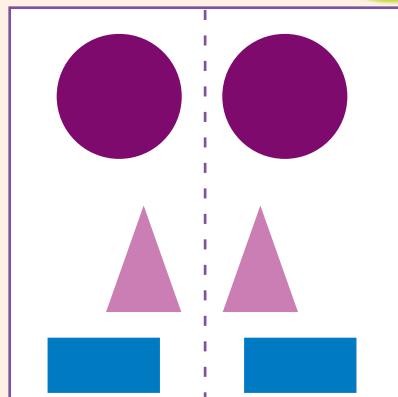




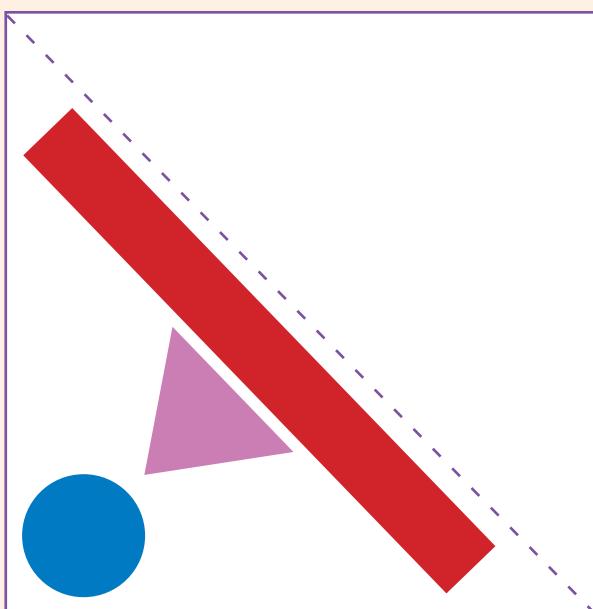
Thala dibopego, gomme o dire gore seswantšho
se swane goba se lekalekane.

Re go diretše sa mathomo.

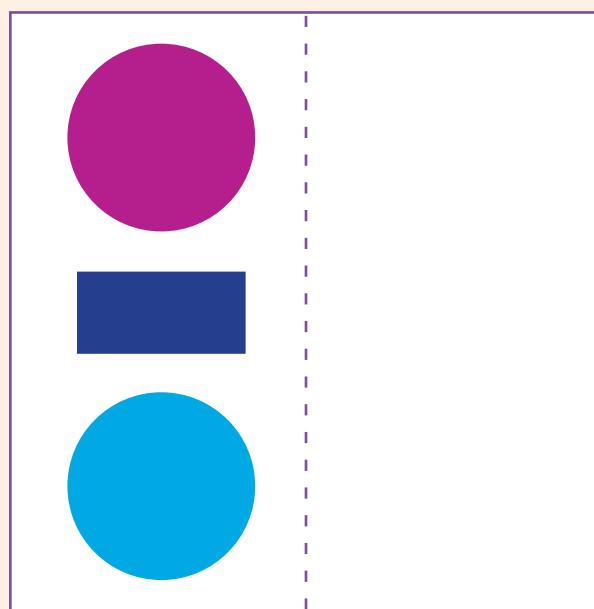
a.



b.



c.



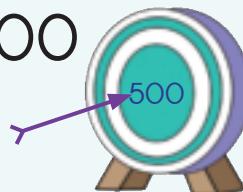
Itirele
khapete ya go
ba le dibopego
tša go swana.



Teacher:
Sign:
Date:

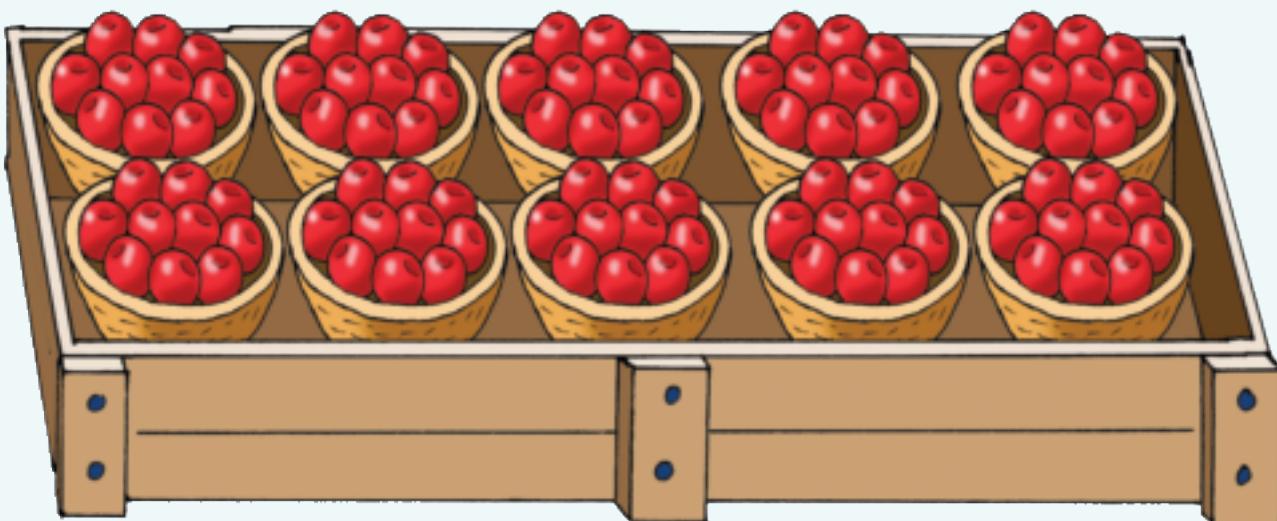
49

Letšatšikg wedi:



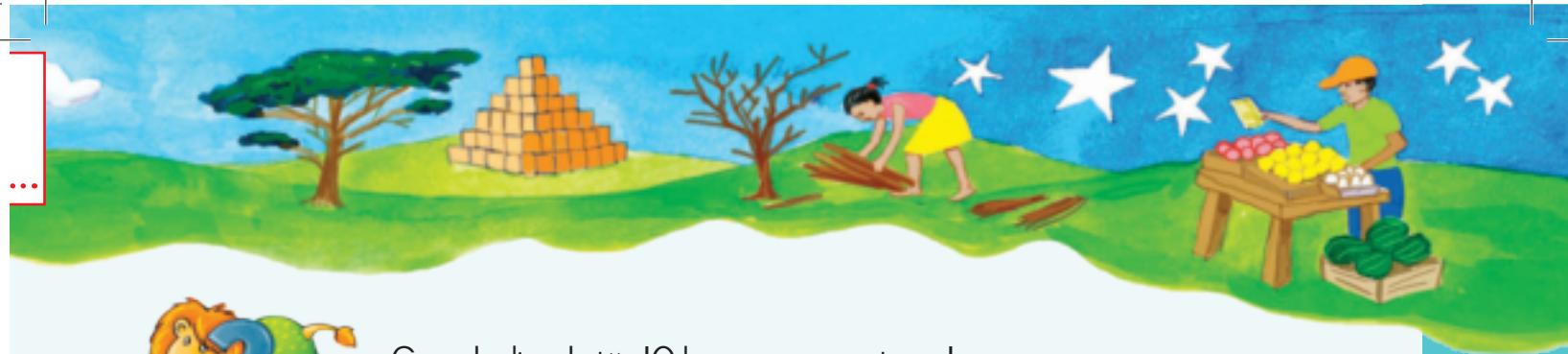
Bala diapola

Go aga go fihla go 500



Feleletša o be o atiše

Serotwana se 1 se swara diapola tše ____.	$1 \times 10 = 10$
Dirotwana tše 3 di swara diapola tše ____.	$3 \times 10 =$
Dirotwana tše 5 di swara diapola tše ____.	
Dirotwana tše 4 di swara diapola tše ____.	
Dirotwana tše 2 di swara diapola tše ____.	
Khreiti e 1 e swara diapola tše 100 .	Dikhreiti tše 2 di swara diapola tše ____.
Dikhreiti tše 3 di swara diapola tše ____.	Dikhreiti tše 4 di swara diapola tše ____.
Dikhreiti tše 5 di swara diapola tše ____.	Diripagare tše 2 tša dikhreiti di swara diapola tše ____.

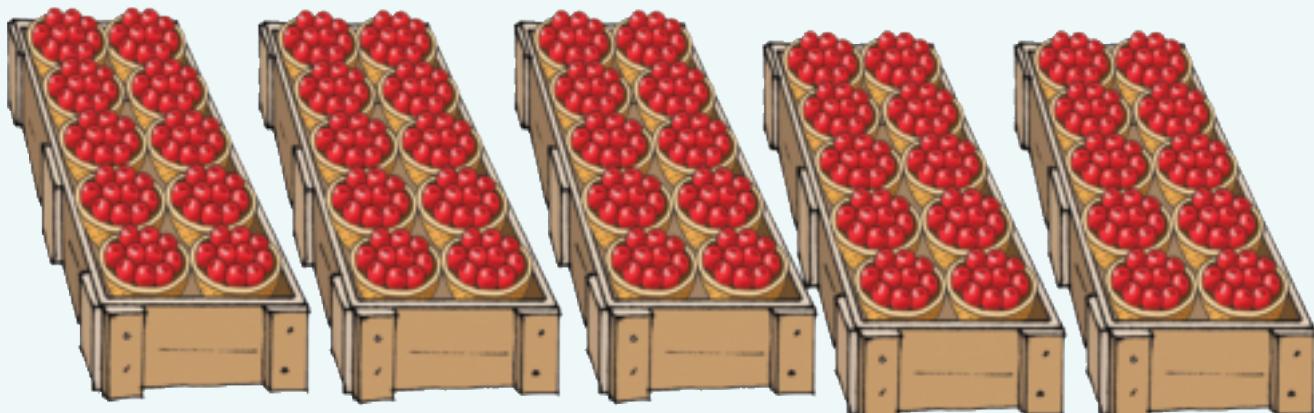


Go na le diapola tše 10 ka gare ga seroto se I.

Go na le diroto tše _____ ka gare ga lepokisana le tee.

Go na le diapola tše _____ ka gare ga lepokisana le tee.

Na ke diapola tše kae ka moka? _____



Go humana, go bontsha le go ngwala

Thoma ka go šomiša dikarata tše dinomoro go bontsha palomoka ye
nngwe le ye nngwe. Bjale, ngwala nomoro.

300

40

5

$$3 \text{ dikhreiti } \begin{array}{|c|} \hline \text{apple boxes} \\ \hline \end{array} + 4 \text{ dirotwanas } \begin{array}{|c|} \hline \text{apple bowls} \\ \hline \end{array} + 5 \text{ diapola } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = 345 \text{ diapola}$$

$$4 \text{ dikhreiti } \begin{array}{|c|} \hline \text{apple boxes} \\ \hline \end{array} + 5 \text{ dirotwana } \begin{array}{|c|} \hline \text{apple bowls} \\ \hline \end{array} + 7 \text{ diapola } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = \underline{\quad} \text{ diapola}$$

$$5 \text{ dikhreiti } \begin{array}{|c|} \hline \text{apple boxes} \\ \hline \end{array} + 2 \text{ dirotwana } \begin{array}{|c|} \hline \text{apple bowls} \\ \hline \end{array} + 3 \text{ diapola } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = \underline{\quad} \text{ diapola}$$

$$4 \text{ dikhreiti } \begin{array}{|c|} \hline \text{apple boxes} \\ \hline \end{array} + 7 \text{ dirotwana } \begin{array}{|c|} \hline \text{apple bowls} \\ \hline \end{array} + 2 \text{ diapola } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = \underline{\quad} \text{ diapola}$$



50

Letšatšikg wedi:

Kotara ya 2

Go atiša le go arola (10)



Go bala diapola

Ngwala mo dikgobeng tše di tlogetšwego.

Ke dirotwana tše kae tše o di nago le diapola?



Diapola	10	20	30	40	50
Dirotwana	1	2			
÷ palo					$50 \div 10 = 5$
× palo					$5 \times 10 = 50$



Arola diapola gare ga bana. Dira sethalwa.

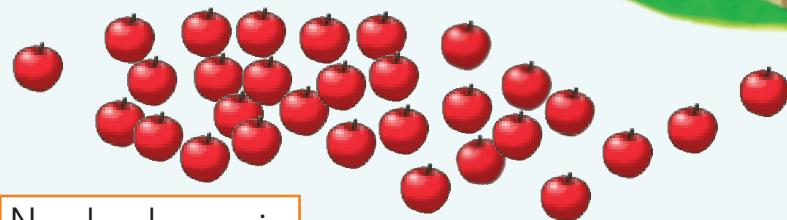
a.

Ngwala palo ya go arola le ya go atiša ya go bona ge eba karabo ya gago ke ya maleba

	<p><u>Lebelela dikarabo</u> <u>tša qago.</u></p> <p><input type="text"/> ÷ <input type="text"/> = <input type="text"/></p> <p><input type="text"/> × <input type="text"/> = <input type="text"/></p>	



b.



Ngwala palo ya go ÷



Ngwala palo ya go
× go bona ge eba
karabo ya gago ke
ya maleba



Šomisa dinomoro o itirele mafokopalo.



Mohlala:

$$\div \quad 40 \div 10 = 4$$

$$\times \quad 4 \times 10 = 40$$



$$\div \quad \boxed{} \quad \times \quad \boxed{}$$



$$\div \quad \boxed{} \quad \times \quad \boxed{}$$



$$\div \quad \boxed{} \quad \times \quad \boxed{}$$



Efa palo ye e lego ye nnyane ka 10 go palo ye e filwego, gape ye e fetago palo ye e filwego ka 10.

____, 460, ____

____, 390, ____

____, 500, ____



Teacher:

Sign:

Date:

5|

Letšatšikg wedi:



Go bala ka di-2

Go balela pele ka di-2 go fihla go 500, gape, go balela morago.

- 232; 234; _____; _____; _____; 242; _____; _____; 248
- 500; _____; 496; _____; _____; 490; _____; _____; _____
- 460; _____; _____; 400; _____; 360; _____; _____; _____
- 341; _____; 361; _____; _____; 391; _____; 411; _____; _____



Diphere tša
diklelafo



- Na go na le diphere tše kae tša diklelafo mothaling o tee? _____
- Na go na le diklelafo tša go sepela di le noši tše kae mothaling o tee? _____
- Na ke methaladi ye mekae? _____
- Na ke diklelafo tše kae ka moka? _____
- Laetša ka fao o di šomago ka gona.
- Ngwala karabo ya gago bjalo ka lefokopalo.

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



Na ke diklelafo tše kae?

Ngwala ka gare ga mapokisana.

a.

Phere ya ditlelafo								
Palo ya ditlelafo	10	5	50	4	40	3	30	100

b.

Ditlelafo tše e tee ka e tee	20	21	70	73
Diphere tše di ka dirwago				
Klelafo e tee yeo e šetšego				



Ke palo efe ye e lego gare ge o bala ka di - 2?

a. Ke palo efe ye e tlago gare?

264, _____, 268	391, _____, 395	414, _____, 410
-----------------	-----------------	-----------------



b. Ngwala dinomoro tše pedi tše di latelago.

373, 375, <u>377</u> , <u>379</u>	480, 482, __, __	262, 264, __, __
-----------------------------------	------------------	------------------



c. Ngwala dinomoro tše pedi tše di latelago.

346, 348, __, __	415, 417, __, __	297, 299, __, __
------------------	------------------	------------------

Teacher:

Sign:

Date:



Dira tselanamaoto ka dithaele



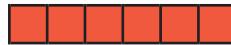
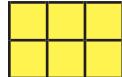
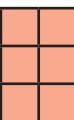
Go beakanya serapana

Mohumagadi Letsoalo o na le dithaele tše botse.

O di šomiša go dira tselanamaoto ka serapaneng sa gagwe.

Go na le dithaele tše dikwere tše 6 tše bogolo bja go lekana.

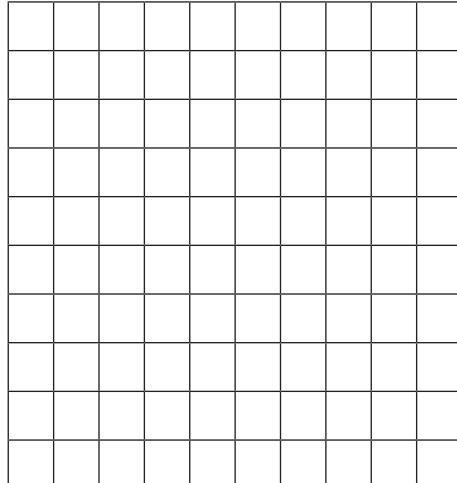
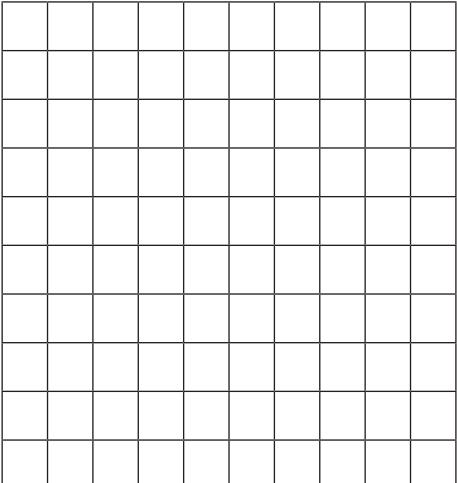


Nka dira mothaladi ka dithaele tše 6.	Nka dira methaladi ye mebedi ka dithaele tše tharo.	Nka dira methaladi ye meraro ka dithaele tše 2 wo mongwe le wo mongwe.
 $6 \times 1 = 6$	 $3 \times 2 = 6$	 $2 \times 3 = 6$

Bjale ke sebaka sa gagol!

Thala mapokisana go laetša ka fao o ka beakanyago dithaele tše dikwere tše 8 le 9.

Ngwala mafokopalo a sethalwa se sengwe le se sengwe.

8 dikwere	9 dikwere
	



Beakanya dithaele tše 12

Thabo o na le dithaele tša dikwere tše 12 tša go dira tselanamaoto ka ntle moo a beago paeskela ya gagwe. Mo thuše ka fao a ka dirago se.
Ngwala lefokopalo la tsela ye nngwe le ye nngwe.

Mohlala:	$1 \times 12 = 12$
	$12 \times 1 = 12$



Beakanya dithaele tše 24

- Šomiša kriti ya sesegwa sa 2.
- Thala ka gare ga tšona go akaretša mapokisana a 24.
- Ngwala lefokopalo go nyalanya sethalwa se sengwe le se sengwe.

--



Ke kgona go atiša!

$12 = 2 \times$ <input type="text"/>	$3 \times$ <input type="text"/> $= 12$	$9 =$ <input type="text"/> $\times 3$
$6 = 3 \times$ <input type="text"/>	<input type="text"/> $\times 3 = 12$	$24 = 3 \times$ <input type="text"/>



53

Letšatšikg wedi:

Kotara ya 2

Go šomiša dihlano



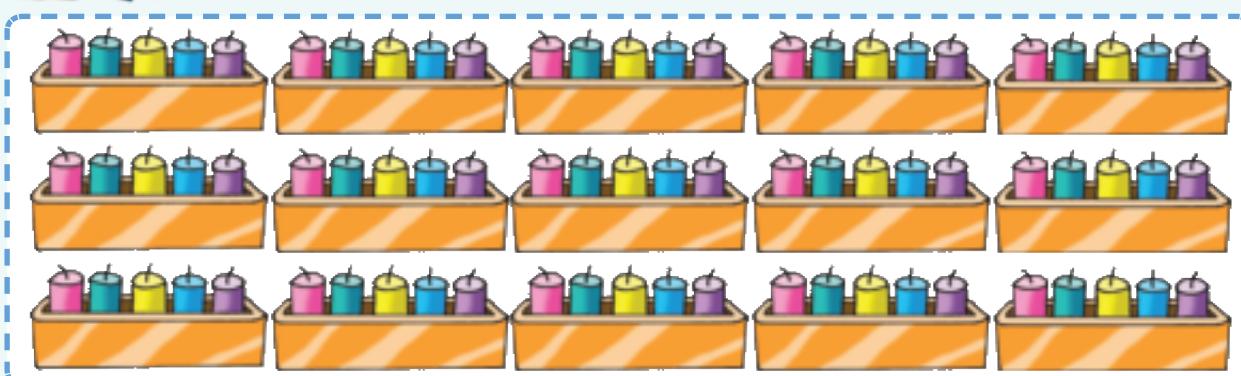
Tseba go bala ka di-5

Ngwala dikarabo.

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



Bala dikerese



- Dikerese ke tše kae ka lepokising le lengwe le le lengwe? _____
- Mapokisi ke a makae mothalong wo mongwe le wo mongwe? _____
- Dikerese ke tše kae mothalong wo mongwe le wo mongwe? _____
- Palomoka ya dikerese ge di hlakane ke bokae? _____



Laetša karabo

Swaya (✓) go mafokopalo ao a laetšago palomoka ya dikerese.

a. $5 \times 3 \times 3 = \square$ b. $15 \times 3 = \square$ c. $3 \times 5 \times 5 = \square$ d. $15 \times 5 = \square$



Go balela pele le morago ka di-5

- a. 85; _____; _____; 70; _____; _____; 55; _____; _____
 b. 240; _____; _____; 255; _____; _____; _____; _____; 280
 c. 405; _____; 395; _____; _____; 380; _____; _____; 365;



Go kgoboketša dikhoine tša di-R5



Bana ba kgoboketša dikhoine tša R5. Ba swanetše go kgoboketša dikhoine tše kae gore ba be le R ____? Re go diretše tše pedi tša mathomo.

$R5 \div R5$ = khoine ye I	$R10 \div R5$ = dikhoine tše 2	R15? _____	R20? _____	R25? _____
R30? _____	R35? _____	R40? _____	R45? _____	R50? _____

$$2 \times R5 = \boxed{R}$$

$$4 \times R5 = \boxed{R}$$

$$3 \times R5 = \boxed{R}$$

$$6 \times R5 = \boxed{R}$$

A o bona dipatrone?



Atiša ka di-5

Mohlala: I \times 5 = 5; II \times 5 = 55; II \times 5 = 105

Nagana ka bohlale! Bolela ka dilo tše o di tsebago!

I	2	3	4	5	6	7	8	9	10
5	10								
II	I2	I3	I4	I5	I6	I7	I8	I9	20
55									



I I I2 I3 I4 I5 I6 I7 I8 I9 20

54

Kotara ja 2

Go ſoma ka nako



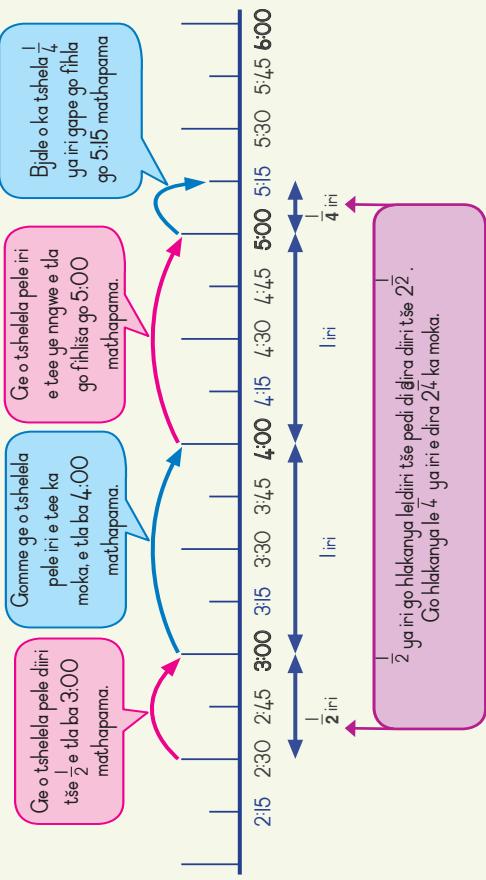
Go thala dinako		Lefokopalo la nako		
		Kotara go tſwa go 12	12:45	6:15
Seripagare go ya go iri ya 5		Kotara go ya go iri ya lesometee	4:30	

Ge o tshelela pele iri
 $\frac{1}{2}$ e tla ba 3:00
mathapama.

Ge o tshelela pele iri
e tee ye nnqwe e tla
gp filisa gp 5:00
mathapama.

Mmagom Nomsa o tloga ka gae ka 2:30 mathapama.
Oba gae ka 5:15 mathapama. Na o tſwele lebaka
le lekakang?

Re ka ſomiša mothondiko go hwe tſa
karabo. Bea monwana wa qago wa letsogo
go 2:30, nako ya maleba gona bjale.



Letsatšigwedzi:

Lefokopalo la nako
Rarolla lefokopalo le lengwe le le lengwe. Šomiša methalo ya nako go go thuša.



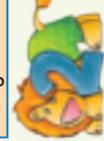
a. Oketšo o etela tatagwe klinking ka | 5:45 .

O tloga klinking ka | 7:15 .

Na go tſere lebaka le lekakang ge a amo etetše?



Lefokopalo la nako



b. Tshego o ya phakeng ka | 10:45 .

O fihla gae ka | 2:30 .

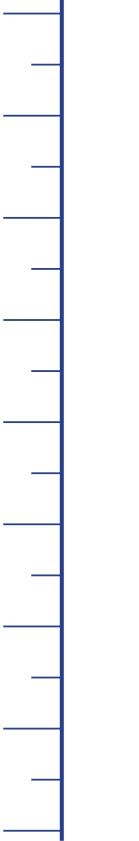
Na o tſere lebaka le lekakang a se qae?



c. Tumišo o thoma go itutha ka | 13:15 .

O fetša ka | 4:45 .

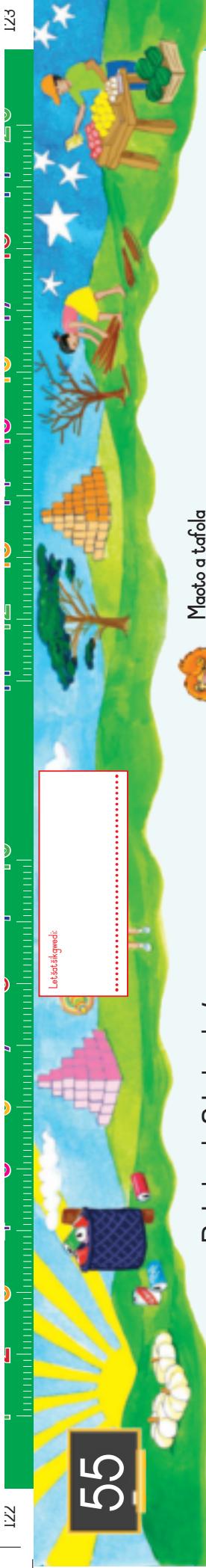
Na Tumišo o itutha nako ye kaakang?



| 2 3 4 5 6 7 8 9 10

| 11 12 13 14 15 16 17 18 19 20





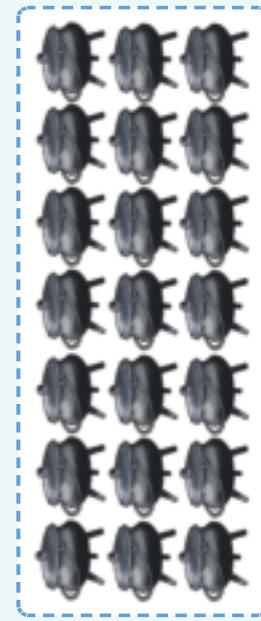
55

Bala ka di-3 | e ka di-4.

Dipitša tša maotswana a 3

Hlakanya gomme o
ngwale dikarabo

Kotara ja 2



- a. Gio na le dipitša tše kae mo mothalong? _____
- b. Gio na le maotswana a mkae mo mothalong? _____
- c. Gio na le methalo ye mekae ya ditafola? _____
- d. Ke maotswana a mkae ka moka? Laetša gore o hweditše karabo bjang.

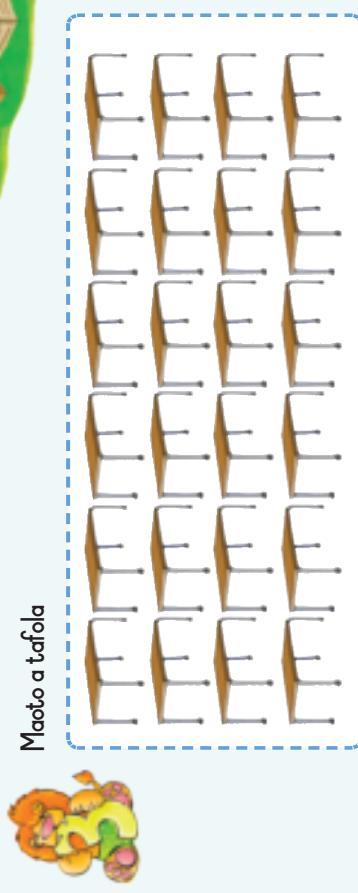
Swaya (✓) ke mafokopolo a mafe mo tlase ao a laetšago palomoka?

$$21 \times 7 = \boxed{\quad} \quad 3 \times 7 \times 3 = \boxed{\quad} \quad 3 \times 4 \times 2 = \boxed{\quad} \quad 21 \times 3 = \boxed{\quad}$$

Maotswana a mkae?

Gopola ka lebelo.
Gopola ka bohlale.

l pitša	3	maotswana	10	maotswana	5	maotswana	12
dipitša			15	dipitša	12	dipitša	
5		maotswana	13	maotswana	14	maotswana	
l pitša							



Maoto a tafola

- a. Go na le ditafola tše kae mo mothalong? _____
- b. Go na le maotswana a mkae mo mothalong? _____
- c. Go na le methalo ye mekae ya ditafola? _____
- d. Maotswana ka moka ke a mkae? Laetša gore o hweditše karabo bjang?





Feleletša kritu ka go ngwala dikarabo

2	3	4	5	8	10	11	12
× 3	6						
× 4	8						



Mmetli o dira ditafola. O thomaka ka go dira maotswana.
Gabjale o dirile 48. Na a ka dira ditafola tše kae?
O swanelwa ke go oketša ka maotswana a mkae gę a
oketša palo ya ditafola ka e tée?

| 2 3 4 5 6 7 8 9 10

| 11 12 13 14 15 16 17 18 19 20

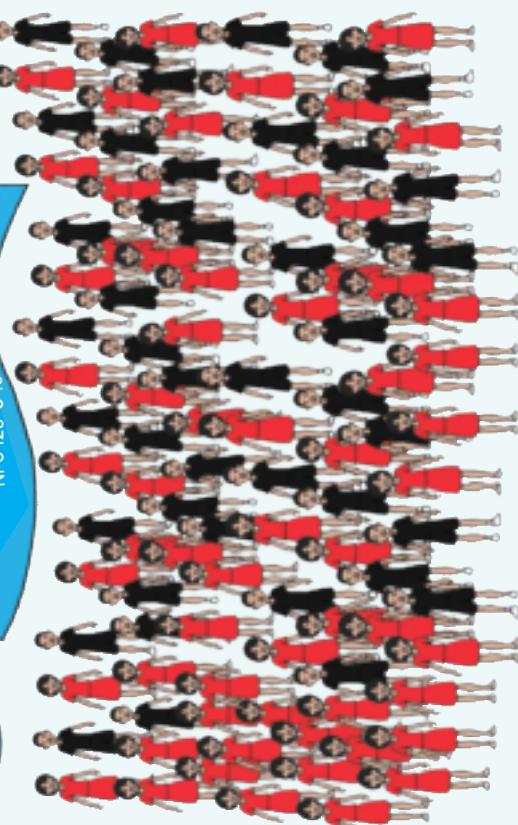
Bala ka di-50

Ngwana o tee, kobo e tee!

Na ke bana ba baka? Akanya, gomme ka morago o ba bale.



Kobo ya Kholofelo
Afšeang banan ba rena ba rutherford
NPO123-098



Bana ka moka mo seswantshong ba hwetsa kobo mongwe le mongwe. Na ke bana ba baka? _____

Akanya	Bala	Bapetsa

Na ke difahlego tše kae tše go thaba ☺ tše basemane? _____
Na ke difahlego tše kae tše go thaba ☺ tše basetsana? _____

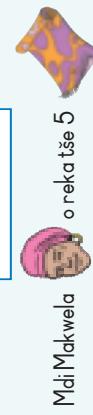


Na ba lefā bokae?

Oketšo oreka tše 2.



O lelefā R



Mdi Makwela o reka tše 5 R



O lelefā R



reka tše 20.



tše 10 ka R50 = R500



tše 15 ka R50 = R _____



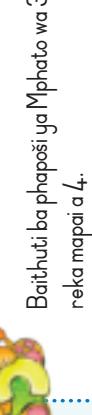
tše 6 ka R50 = R _____



tše 12 ka R50 = R _____



tše 9 ka R50 = R _____



Na go tla tše sebaka se sekadkang? Šomiša khalentara.
Baithuti ba phaposhi ya Mpheho wa 3 ba kgoboketsa tšeletše ya go reka mapai a 4.
Ba kgoboketsa R5 ka letšatši matšatsia 5 a beke.
Ba sa šaletšwe ke dibeketše kae gore ba kgoboketsa tšeletše ya go reka dikobo?

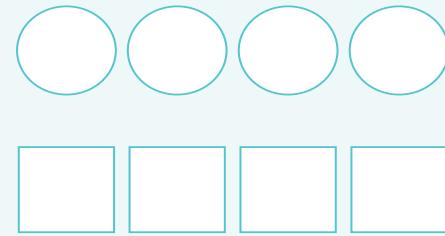
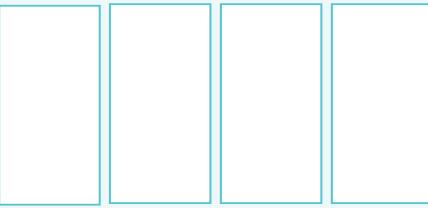
1 | 2 3 4 5 6 7 8 9 10
1 | 12 13 14 15 16 17 18 19 20



Teacher:
Sign:
Date:

Dipalophatlo: diripagare le dikotara

Aro a dibolo ka go lekana ka mapokising.



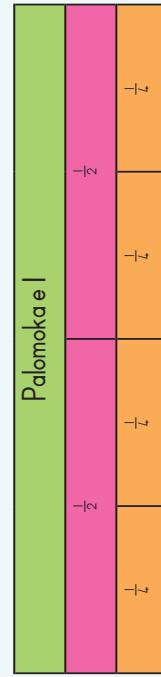
Khalara seripagare ($\frac{1}{2}$) sa sebopego se sengwe le se sengwe.

Khalara $\frac{1}{4}$ ya sebopego se sengwe le se sengwe.

Khalara $\frac{2}{4}$ ya sebopego se sengwe le se sengwe.

Khalara $\frac{3}{4}$ ya sebopego se sengwe le se sengwe.

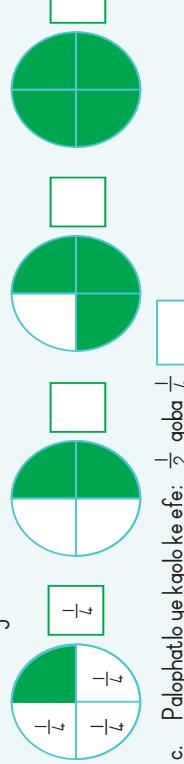
Lebelela meseto ya dipalophatlo.



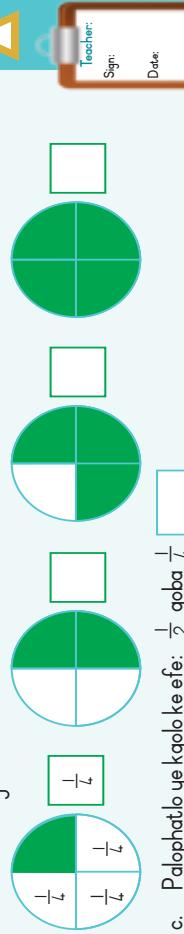
a. Ke diripagare ($\frac{1}{2}$) tsé kae tsé di dirago palomoka?

Ke di ($\frac{1}{2}$) tsé kae tsé di dirago palomoka?

Ke di ($\frac{1}{2}$) tsé kae tsé di dirago seripagare?



b. Lebelela diswantsho gomme o ngwale palophatlo boemong bjá karolo yeo e khalarilwejo.

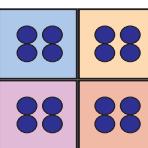


Teacher:
Sign:
Date:



<ul style="list-style-type: none"> Go na le dibolo tsé kae ka lepokising le lengwe le le lengwe? Ke palophatlo efe ye e lego ka lepokising le le phepholo? Ke palophatlo efe ka lepokising le lephepholo? 	<ul style="list-style-type: none"> Go na le dibolo tsé kae ka lepokising le lengwe le le lengwe? Go na le dibolo tsé kae ka lepokising le le phepholo? Ke palophatlo efe ye e lego ka lepokising le lephepholo?
--	--

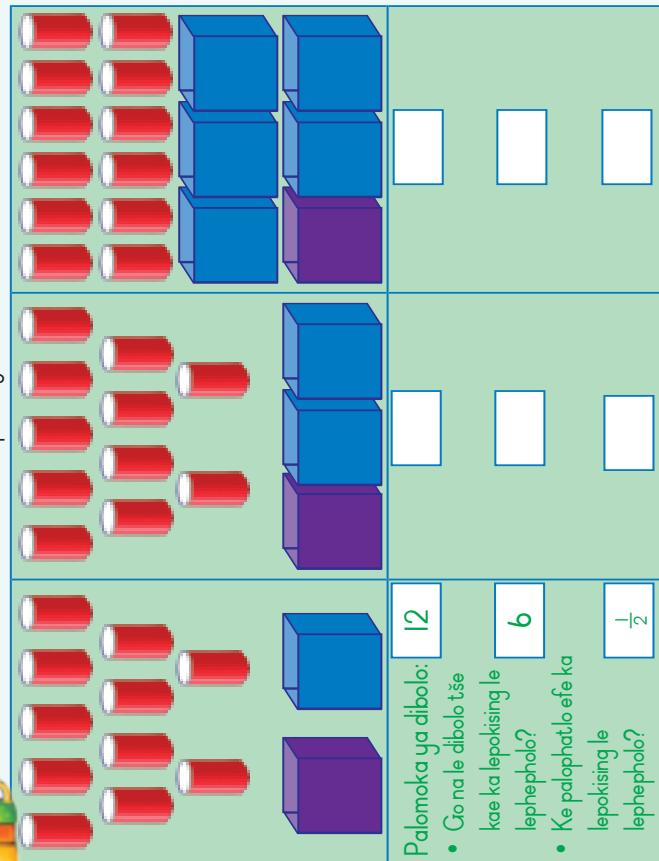
Lebelela diswantsho gomme o arabe dipotsšo.



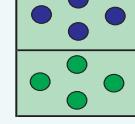
<p>Na o hwetsa didiko tsé kae ge o di bala?</p> <p>Na $\frac{1}{2}$ ya didiko ke bokae?</p>	<p>Na o hwetsa didiko tsé kae ge o di bala?</p> <p>Na $\frac{1}{2}$ ya didiko ke bokae?</p>
<p>Na $\frac{1}{2}$ ya didiko ke bokae?</p>	<p>Na $\frac{1}{2}$ ya didiko ke bokae?</p> <p>Na $\frac{2}{4}$ ya didiko ke bokae?</p> <p>Na $\frac{3}{4}$ ya didiko ke bokae?</p> <p>Na $\frac{4}{4}$ ya didiko ke bokae?</p>

Dipalophatlo: diripagare, diteetharong le diteetsheleng

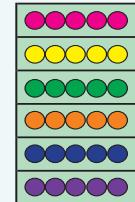
Arola ditshitswana (disilintere) ka mapokising.



Lebelela diswantsho gommoe o arabe dipotšiso.

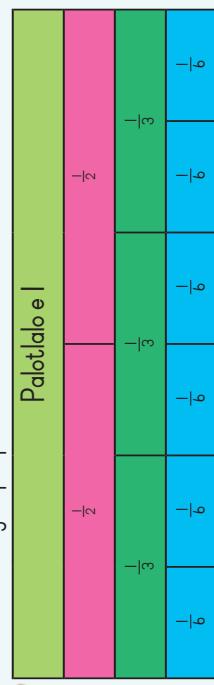


Lebelela meseto ya dipalophatlo. Feleletša mafošo.



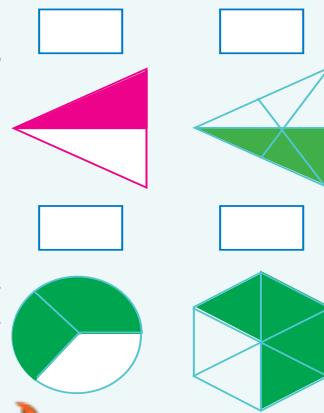
- Bontšha seripagare sa rula. Sona ke ____ cm
- Bontšha teetsheleng ya rula. Yona ke ____ cm
- Bontšha teetsheleng ya rula. Yona ke ____ cm

Lebelela meseto ya dipalophatlo. Feleletša mafošo.



- Go na le diripagare tše ____ ka go palotlalo.
- Go na le diteetharong tše ____ ka go palotlalo.
- Go na le diteetsheleng tše ____ ka go palotlalo.
- Go na le diteetharong tše ____ ka go seripagare.
- Go na le diteetsheleng tše ____ ka go teetsharong.

Ngwala palophatlo seemong sa karolo ye e khalarilwego.



Dira sediko palophatlong
ye kgolwane.

$$\begin{array}{l} a. \quad \frac{1}{2} \quad \frac{1}{3} \\ b. \quad \frac{1}{2} \quad \frac{1}{2} \quad \frac{2}{6} \\ c. \quad \frac{1}{2} \end{array}$$

- Let's play!
- | | |
|--------------------------------------|--------------------------------------|
| Na $\frac{1}{3}$ ya didiko ke bokae? | Na $\frac{1}{6}$ ya didiko ke bokae? |
| Na $\frac{2}{3}$ ya didiko ke bokae? | Na $\frac{2}{6}$ ya didiko ke bokae? |
| Na $\frac{3}{3}$ ya didiko ke bokae? | Na $\frac{3}{6}$ ya didiko ke bokae? |
| Na $\frac{4}{6}$ ya didiko ke bokae? | Na $\frac{5}{6}$ ya didiko ke bokae? |

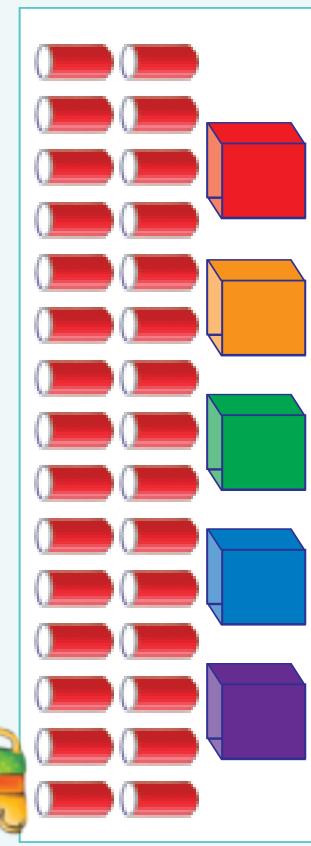
10 8 q 12 13 14 15 16 17 18 19 20

5q

Dipalophatlo: ditseehlanong

Arola ditshitswana gare ga mapokisi.

Kotara ya 2



- Teelhanong ya mapokisi go na le ditshitswana tše 6 .
- Pedihlanong ya mapokisi go na le ditshitswana tše .
- Tharohlanong ya mapokisi go na le ditshitswana tše .
- Nrehlanong ya mapokisi go na le ditshitswana tše .
- Ka go hlanohlanong ya mapokisi go na le ditshitswana tše .



Lebelala seswantšho gomme o arabe dipotšiso.



Gona le ditshokolete tše kae ka le pokiseng?

- $\frac{1}{5}$ ya ditshokolete e lekana le .
- $\frac{2}{5}$ ya ditshokolete e lekana le .
- $\frac{3}{5}$ ya ditshokolete e lekana le .
- $\frac{4}{5}$ ya ditshokolete e lekana le .
- $\frac{5}{5}$ ya ditshokolete e lekana le .
- Ka letšatši la lkejelo $\frac{1}{5}$ ya ditshokolete. Go šetše ditshokolete tše kae?

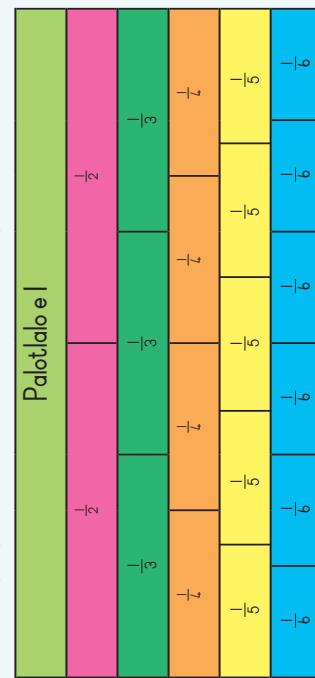
- Ka letšatši la 2 ke jelo $\frac{1}{5}$ ya ditshokolete qope. Go šetše ditshokolete tše kae?



Khalana $\frac{1}{5}$ ya nula.



Lebelala dipalophatlo tša meseto gomme o arabe dipotšiso.



Dira sediko go kgolane goba go nnyanenyyane

- Seripagare ($\frac{1}{2}$) ke se segolo go feta / se sennyanne go feta $\frac{1}{4}$.
- $\frac{1}{3}$ ke ye kgolo go feta / ye nnyane go feta $\frac{1}{2}$.
- $\frac{1}{5}$ ke ye kgolo go feta / ye nnyane go feta $\frac{1}{6}$.
- $\frac{1}{6}$ ke ye kgolo go feta / ye nnyane go feta $\frac{1}{3}$.
- $\frac{3}{6}$ ke ye kgolo go feta / ye nnyane go feta $\frac{2}{5}$.



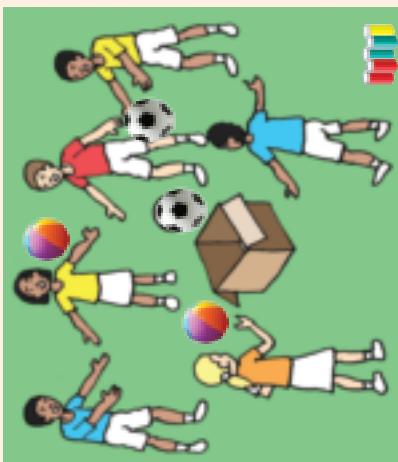
| 2 3 4 5 6 7 8 9 10

| 11 12 13 14 15 16 17 18 19 20

bO

Kotara ja 2

Dilo tša mahlakoretharo (3-D)



Bala mapokisi (diprisimo).

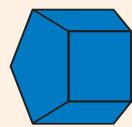
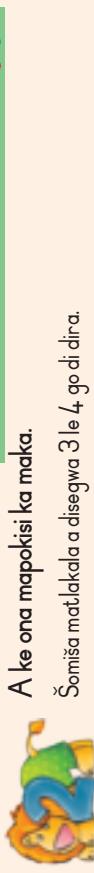
Bala dibolo (dikgoloko).

Bala disilintere

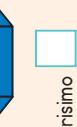
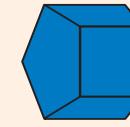
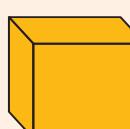
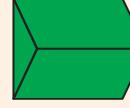
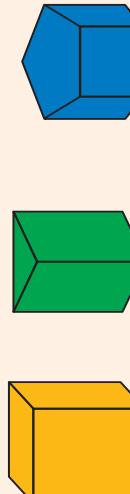


A ke ona mapokisi ka maka.

Šomisa matlakala a disegwa 3 le 4 go di dira.



Bopapela bjø bongwe le bjø bo bitswa bo kagodimo. Mamaretsa sefahlego
sa go myemylela bo kagodimong bjø le pokisi le lengwe le le lengwe.



Na mahlakore a prisimo ke a bophara goba a modikelela?



Bjøle, dira silintere go tšwa go letšakalasegwa la 4.

Na mahlakore a silintere ke a bophara goba a modikelela?

1 2 3 4 5 6 7 8 9 10

Šomisa dilo tša gago o dire tše di latelago:

Hlaloša boemo bjø silintere o šomiša mantšu a.

Godimo ga



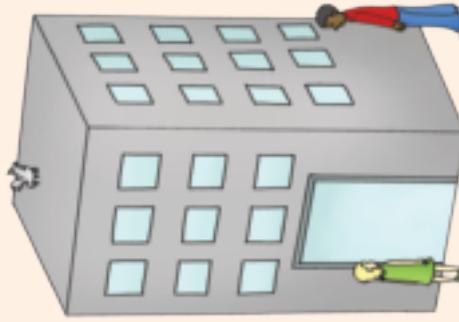
Pele ga



Ka thoko ga



Šomisa mantšu a a mo tlasee o feleletše mafoko



Mosetsana o lebelela _____ ya moago.

Monna o lebelela _____ ya moago.

Nonyana e lebelela _____ ya moago.

ka godimo

pele

mathoko

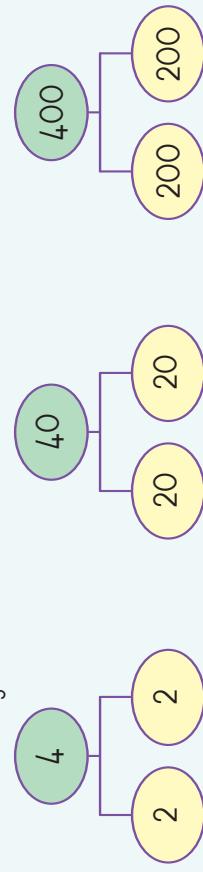


Pedičtšwa le seripagare

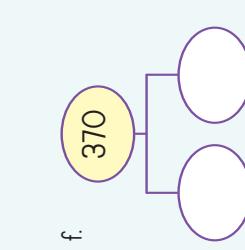
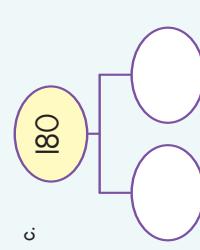
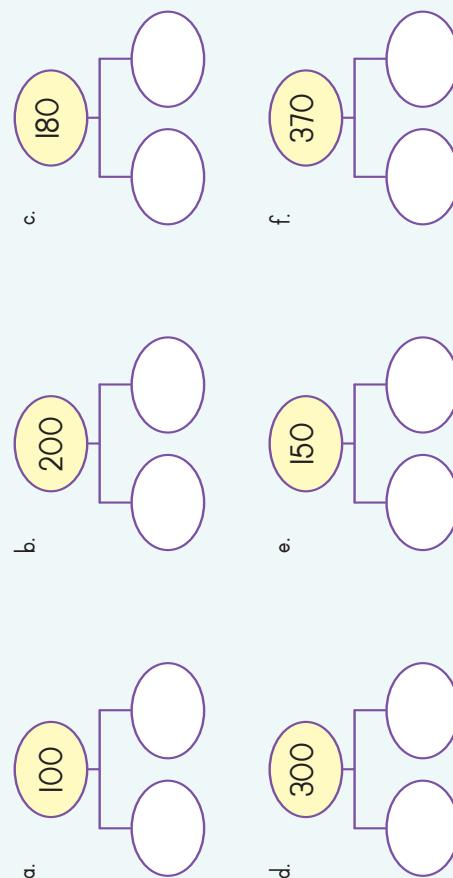
Na o a gopola?

- 2 ke seripagare sa 4
- 20 ke seripagare sa 40
- 200 ke seripagare sa 400
- 400 ke 200 gabedi
- 40 ke 20 gabedi
- 400 ke 20 gabedi
- 400 ke 200 gabedi

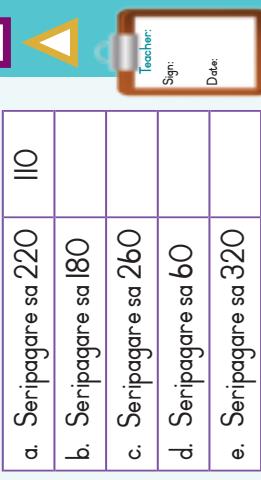
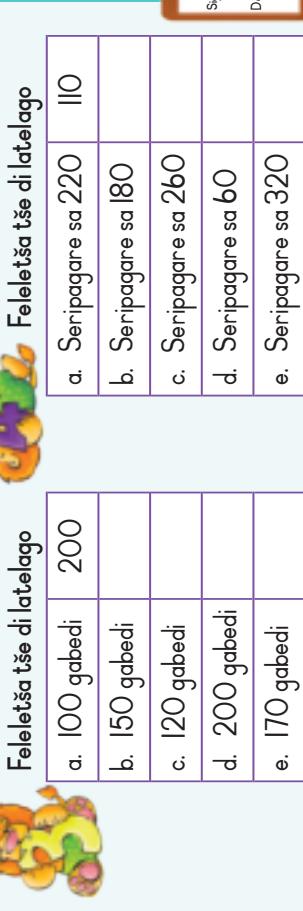
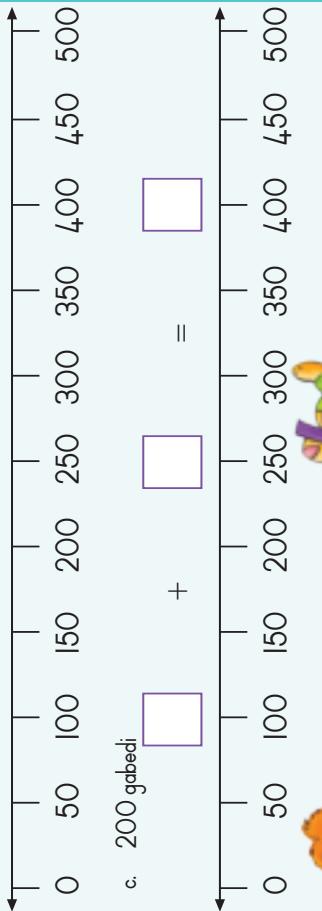
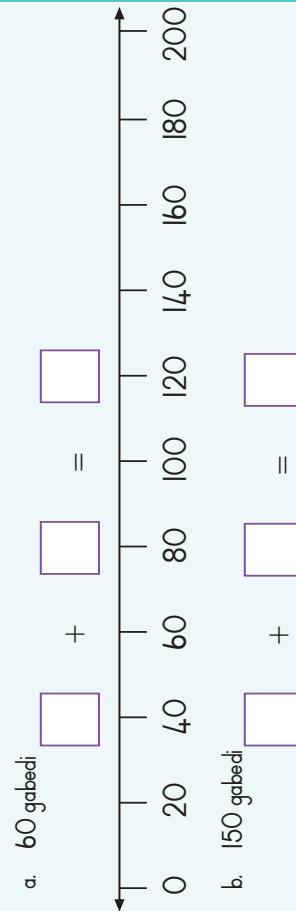
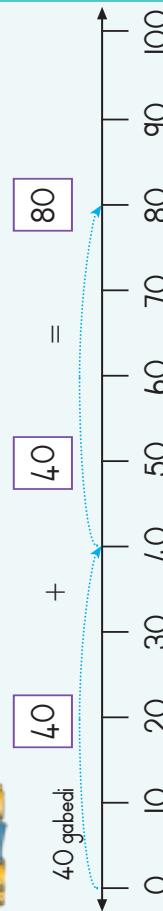
Re ka laetša se mo go sēthaliwa ...



Go hwtša diripagare



Pedičtšwa nomoro ka go šomiša mothalopalo.
Offiwe mohldla wa mathomo.



62

Go pedifatša le go ripa gare gape

Hwetsa dipedifatšwa le diripagare

- a. 73 b. 148 c. q6 d. 134 e. 66 f. 8q

Boloka tšelete ya go reka paesekela

Reabetswe o boloka R25 ka beke go reka paesekela.

Na o swanetše go boloka dibeket tsé kae?

Karabo: dibeket

Di a rekišwa

Dilo ka moka di rekišwa ka theko yeo e fokoditšwego ka seripagare. Ngwala theko yeo e fokoditšwego kgauwi le serekišwa.

- a. Dikobo R190 b. Malakane R154
Thekofase ya Thekofase ya
c. Mesamelo R54 d. Dituljo R220
Thekofase ya Thekofase ya

Kotara ja 2

Thekofase R450

Seripagare sa theko
e be e le
Rq00



Na ke diranta tše kae?



Tšehego onyaka gempe. O swere fela seripagare sa tšelete.



Ri35 Na o sa nyaka bokae? R _____

Dietatša Rati di nyaka tšelete ya go feta ye gabedi.



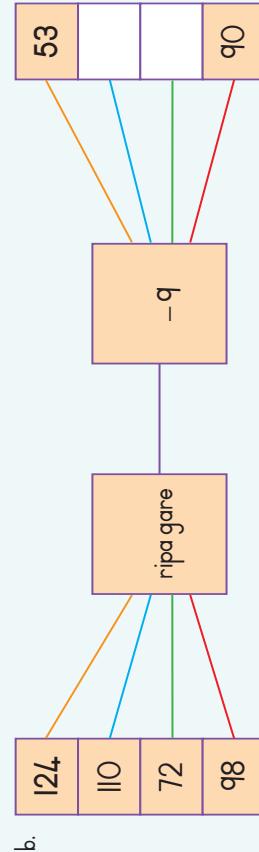
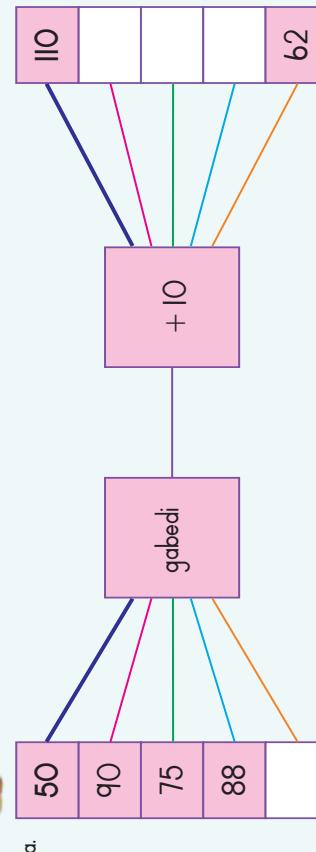
R7850 Na dieta tše Rati di rekišwa ka bokae? R _____

gabedi

Roko ya Boati e pedifatša theko ye.
Rq7 Na roko ya Boati ke bokae? R _____

Na go tsena eng? Go tšwa eng?

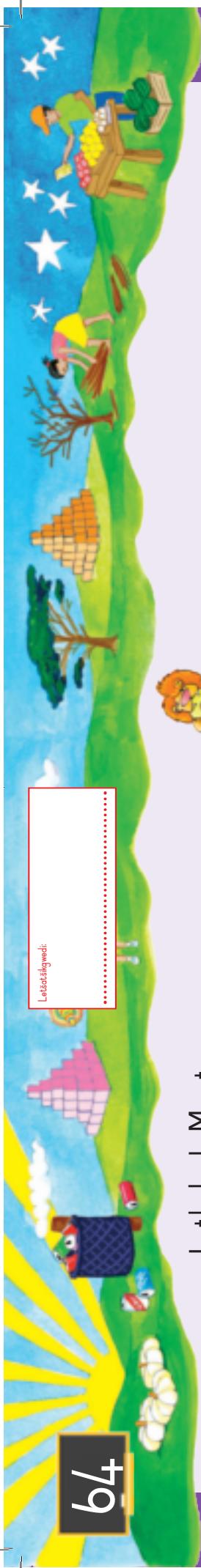
Latala mohlala. Ngwala dinomoro tše di tlogjetšwego.



- b. Malakane R154
Thekofase ya
d. Dituljo R220
Thekofase ya

| 2 3 4 5 6 7 8 9 10

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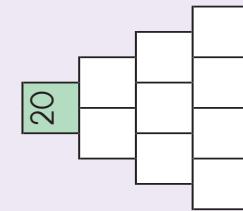
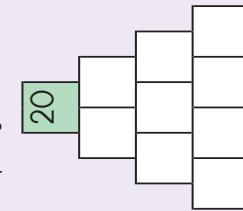
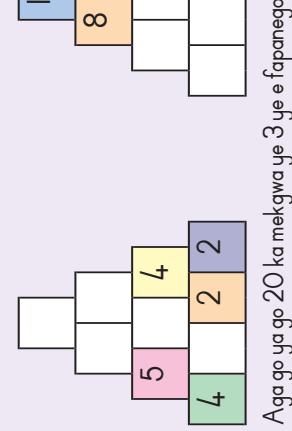
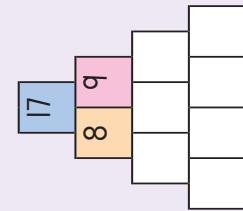
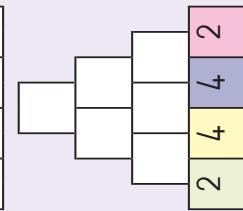
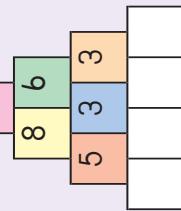
Lethabo la Mmetse



Lebelela molao
Šomiša molao gore o hwetše dinomoro tše di tlötötswego.

14

Biale diratše



14

Go hwetše dinomoro

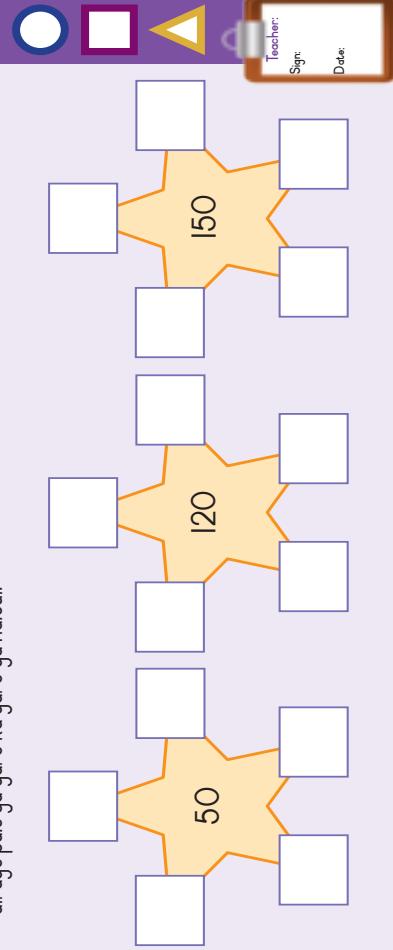
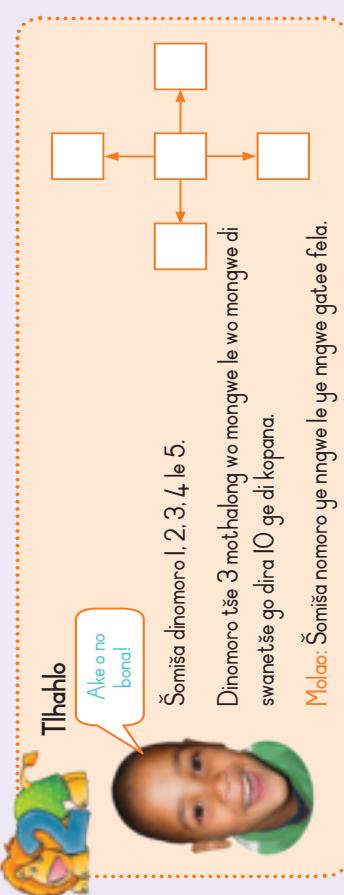
a. Molawana: Dimomoro mothalong wo mongwe le wo mongwe qe di hlakana di dira |b.

2	5	3	6
			2
			2

b. Molawana: Dimomoro tše 3, tše di putlago methalo qape di theogal e dikholomo di dira palomoka ya go swana.

2	7	6
q		1
	3	8
		10

c. Molawana: Ngwala dinomoro dife goba dife tše hlano tše qe di hlakana di dingao pafo ya gare ka gare ga naledi.



| 2 3 4 5 6 7 8 9 10

| 1 2 3 4 5 6 7 8 9 20

I	I	O	I	O	O
2	2	O	2	O	O
3	3	O	3	O	O
4	4	O	4	O	O
5	5	O	5	O	O
6	6	O	6	O	O
7	7	O	7	O	O
8	8	O	8	O	O
q	q	O	q	O	O

I O O

I O I

2 O O 2 O 2

3 O O 3 O 3

4 O O 4 O 4

5 O O 5 O 5

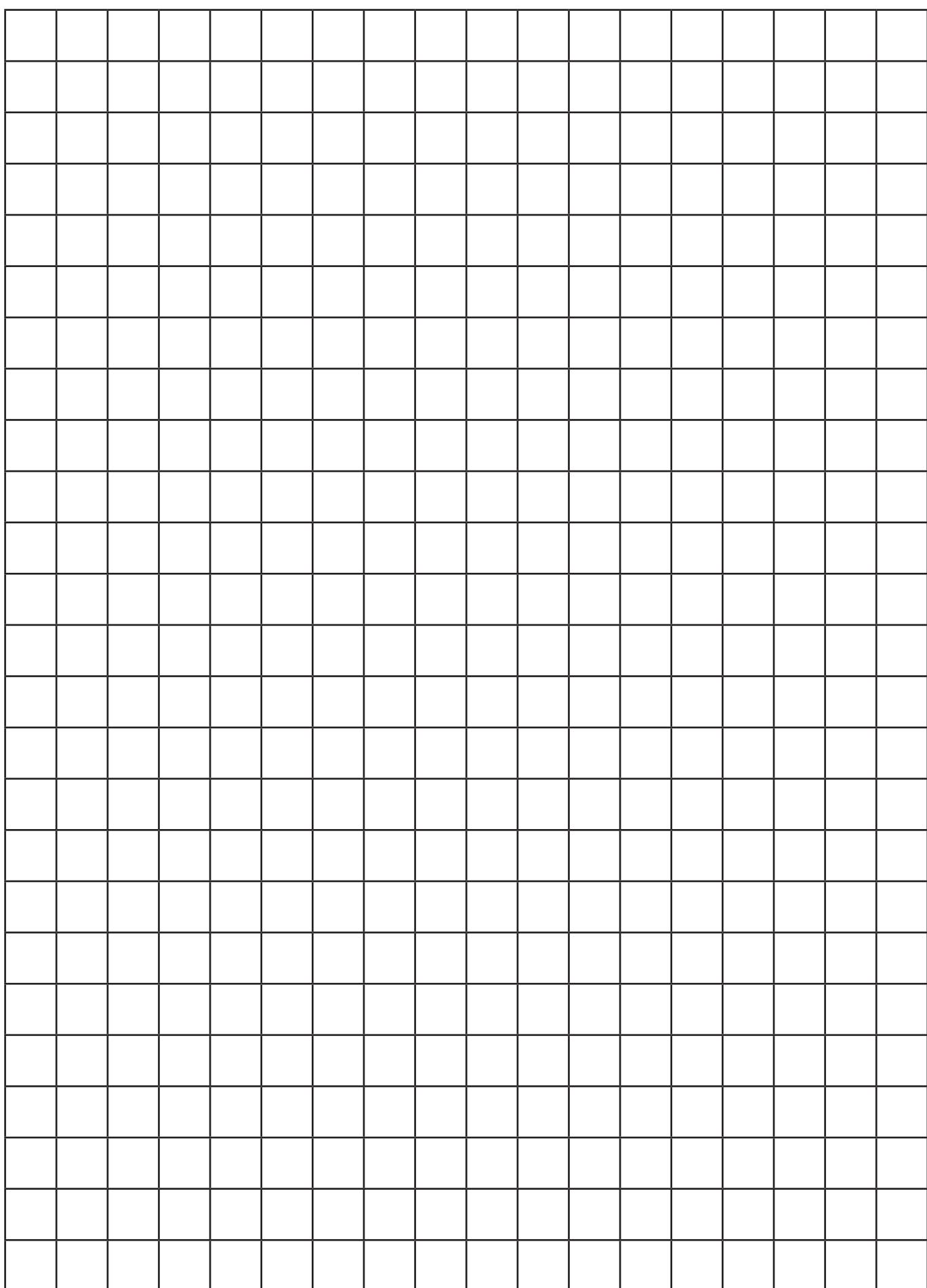
6 O O 6 O 6

7 O O 7 O 7

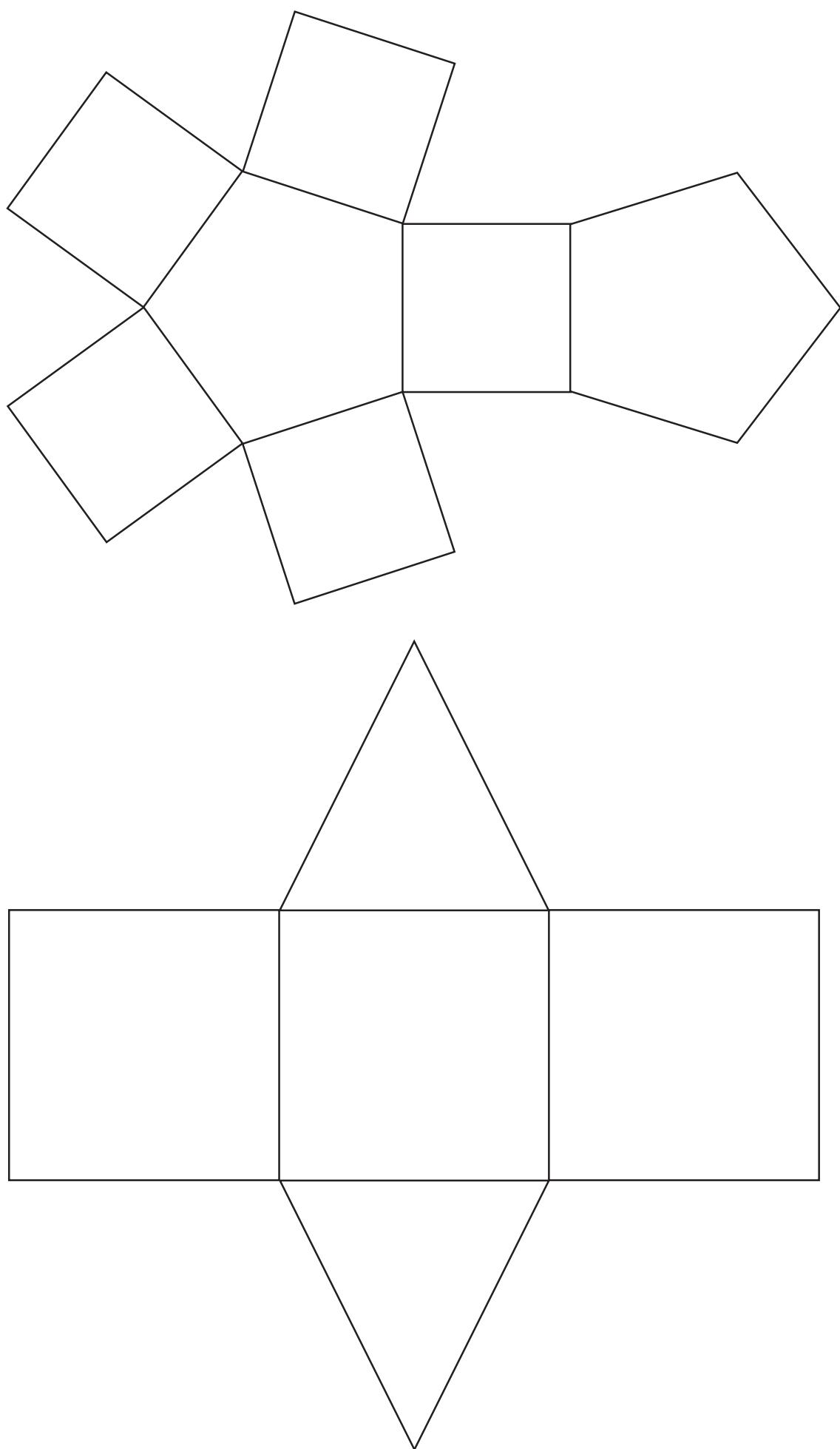
8 O O 8 O 8

q O O q O q

Sesegwa 2



Cut-out 3



Cut-out 4

