



MMETSE KA SESOTHO – Sêhlopha sa 3 Buka ya |

ISBN 978-1-4315-0010-9



basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA



MATHEMATICS IN SESOTHO
GRADE 3 – BOOK 1
TERMS 1 & 2
ISBN 978-1-4315-0010-9
THIS BOOK MAY NOT BE SOLD.
7th Edition

ISBN 978-1-4315-0010-9



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Mofumahadi Angie Motshekga,
letona la Lafapha la
Thuto ya Motheo



Mong. Enver Surty,
Motlatso wa Letona la
Thuto ya Motheo

Dibuka tsena tsa tshebetso di etseditswe bana ba Afrika Borwa tlasa boetapele ba Letona la Thuto ya Motheo. Mof. Angie Motshekga, mmoho le Motlatso Letona la Thuto ya Motheo. Mong. Enver Surty.

Dibuka tsa tshebetso tsa Rainbow di bopa karolo ya Lefapha la Thuto ya Motheo, ya thuso e reretsweng ho netefatsa tshebetso ya baithuti ba Afrika Borwa dikereiting tse qalang tse tsheletseng. Jwaleka e nngwe ya dintlha tsa bohlokwa tsa Moralo wa Tshebetso ya Mmuso, projeke ena e etsahetse ka tshehetso ya letlole la Polokelo la Setjhaba. Sena se entse hore Lefapha le etse dibuka tsena tsa tshebetso ka dipuo tsohle tsa semmuso, ntle le tefello ya letho.

Re tshepa hore, matitjhere a tla fumana dibuka tsa tshebetso di le bohlokwa mosebetsing wa bona wa letsatsi le letsatsi, le ho etsa bonnete ba hore baithuti ba bona ba etsa kharikhulamo yohle. Re nkile boikarabelo ba ho tataisa titjhere mosebetsing ka e nngwe le e nngwe ya mesebetsi, ka ho kenyelletsa motshwao a bontshang hore na seo barutwana ba tshwanelang ho se etsa ke sefe.

Re a kgolwa hore bana ba tla natefelwa ke ho sebetsa ka buka ena ha ba ntse ba hola le ho ithuta, le hore wena titjhere, o tla natefelwa mmoho le bana.

Re le lakalletsa katleho ho sebediseng dibuka tsena tsa tshebetso.



Kereiti
ya

3



M m e t s e

KA SESOTHO

Buka ena ke ya:



SESOTHO

Buka ya

1



Letsatsi:

.....

Kotara ya |



Ke dinaledi tse kae?

Bapisa dikarabo.



Lekanyetsa hore ke dinaledi tse kae. _____

Jwale di bale. _____

Fumana mohlodi!



Ke mang ya lekanyeditseng hantle ka ho etsisa?

Tlatsang mabitso le dikarabo tsa lona taoleng ena.

Lebitso				
Lekanyetsa				
Palo ya tse badilweng				
Phapang mahareng a tekanyetso le palo ya hao				



Ditsela tsa ho bala. Re thuse ho di ngola.



Ke badile
ka bo nngwe.



I, 2, 3, _____



Ke badile
ka bo 2.



Ke badile
ka bo hlano



5, _____



le ka bo
IO.



Ngola dipalo tsa polelo

Ngola dipolelo tse pedi o fana ka palo yohle ya dinaledi tse kgolo le tse nyenyane tse leqepheng la 2.

Ngola dikarabo ka mekgwa e mmedi.

Kgolo Nyenyane tjena

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

hape jwalo ka palo ya polelo.

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

kapa

tjena

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

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

Ha o kopanya dipalo tse
pedi ha ho na taba hore di
latelana jwang.



Teacher:
Sign:
Date:

2

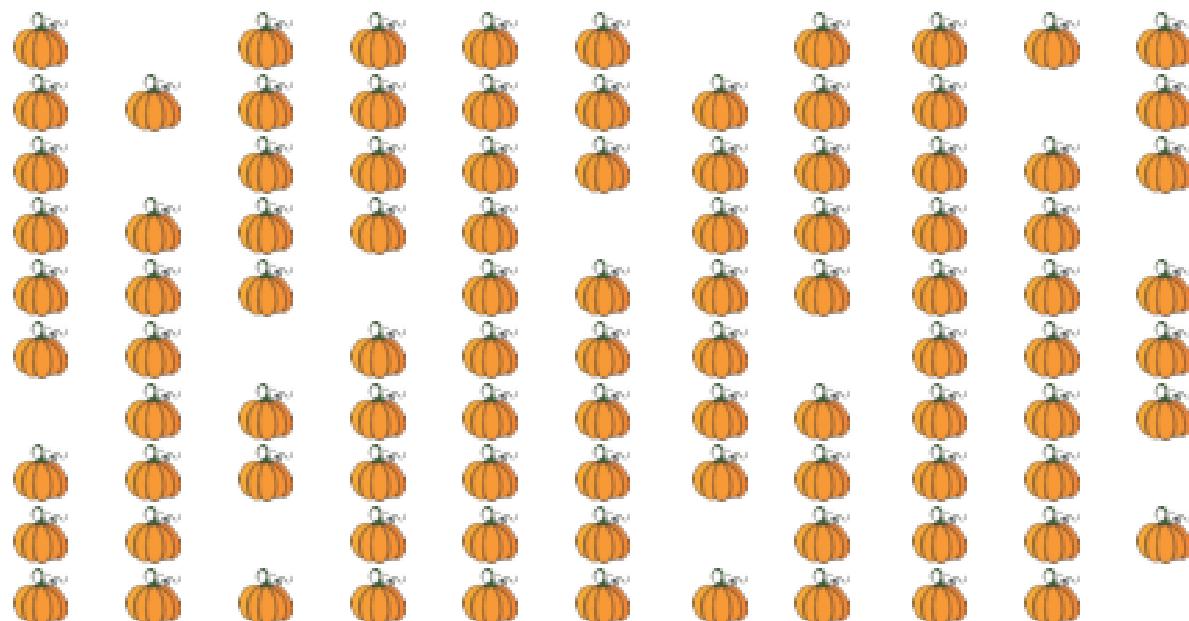
Letsatsi:

Kotara ya |



Bala mekopu

Fumana tselo e bonolo ya ho di bala!



Karabo: _____



Ho pakela mekopu

Kenya mekopu e leshome mokotleng o le mong.



O ka tlatsa mekotla e mekae ya mokopu? _____

Ho setse mekopu e mekae? _____

Ho hlokahala mekopu e mekae hape ho tlatsa mokotla? _____



Ho tloha ho + ho isa ho × (ho kopanya ho ya ho katiso)

Qetela palo ya polelo.

Mohlala:

$$10 + 10 + 10 + 10 = 40 \Rightarrow 4 \text{ bongata ba } 10 = 40 \Rightarrow 4 \times 10 = 40$$



a. $10 + 10 + 10 = \underline{\hspace{2cm}}$

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



b. $10 + 10 + 10 + 10 + 10 + 10 + 10 = \underline{\hspace{2cm}}$

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



Matsoho le menwana



Ke matsoho a makae? _____

Ke menwana e mekae? _____

Ngola karabo ya hao ka mekgwa e 2.

$\underline{\hspace{2cm}} \text{ dihlopha tsa } 10 = \underline{\hspace{2cm}}$ le $\underline{\hspace{2cm}} \times 10 \underline{\hspace{2cm}}$



Teacher:
Sign:
Date:

3a

Letsatsi:

Kotara ya |



Dinomoro botong ya lekgolo

Dipalo tse balwang

Bala le ho bolela dipalo tsohle ho tloha ho 1 – 100. Supa ha o ntse o tswela pele.

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



- Ngola palo e siilweng bolokong ka bong bo bolou.
- Ngola le dipalo tse ding.
- Dipalo tse tshehla ke tsa mofuta ofe?



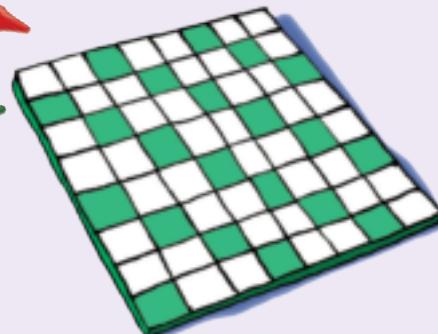
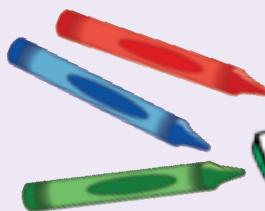
Ngola dipalo ka mantswe

90	mashome a robong	41	
77		56	
14		65	



Ho bala le ho khalara

itokisetse ho bala mmala



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 mme o
kwahele bo 10.

Bala le ho akaretsa bo -5
ho tloha ho 0 – 100.

Bala mme o
kwahele bo 2.

Bala ka bo 10
ho tloha ho 10
ho isa ho 100.

Bala ka bo 5
ho tloha ho 5
ho isa ho 100.

Bala ka bo 2
ho tloha ho 2
ho isa ho 100.

Ngola bo 10
ho isa ho 100.

Ngola bo 5
ho isa ho 80.

Ngola bo 2 ho
tloha ho 2 ho isa ho 100.



11 12 13 14 15 16 17 18 19 20

3b

Letsatsi:

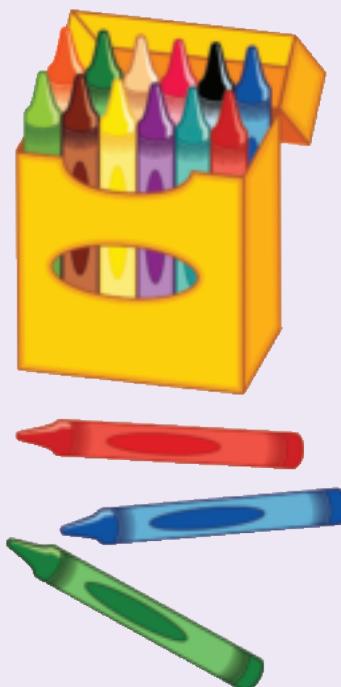
Kotara ya |

Dinomoro botong ya lekgolo (di a tswella)



Batla dipaterone

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



Tshwaya bo 10 kaofela

Sehella mola ho 5 tseo o di bonang kaofela

Tshwaya bo 2 kaofela

Ngola dipalo tsa pele tse leng pateroneng ya bo 2 le ya bo 5.



Ho bala dipaterone

Tlatsa dipalo tse siilweng.

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



Letsatsi:

Kotara ya |



Bontsha dipalo tsa hao

Seha dikarete tsa dipalo ho tswa ho leqepheng la lla tse sehwang.
Sebedisa dikarete ho bopa dipalo tsena.

1q

43

6q

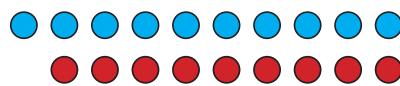
54

35

1 0
q



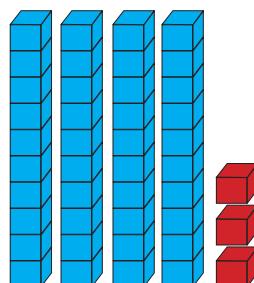
1q



1 0
q

$$10 + q = 1q$$

43



1 0
1 0
1 0
1 0
3

$$40 + 3 = 43$$

Jwale iketsetse tsa hao ka dipalo tsena o sebedisa tse sehilweng tsa l.

54

35

6q

10

1 2 3 4 5 6 7 8 9 10



Ho ngola dipalo tsena

Ya pele o se o e etseditswe.

Re ka nna ra re
bonngwe ba q.

Iq	$10 + q$	leshome le I + diyunititse q	Leshome le metso e robong
43			
69			
54			
35			
21			
73			
44			
32			
89			
17			
95			
56			
68			
67			



Ngola dipalo tsa pele tse hlano, ka hara papetla, e ka hodimo ka tatelano ho tloha ho e nyenyane ho fihla ho e kgolo.

_____	_____	_____	_____	_____
-------	-------	-------	-------	-------

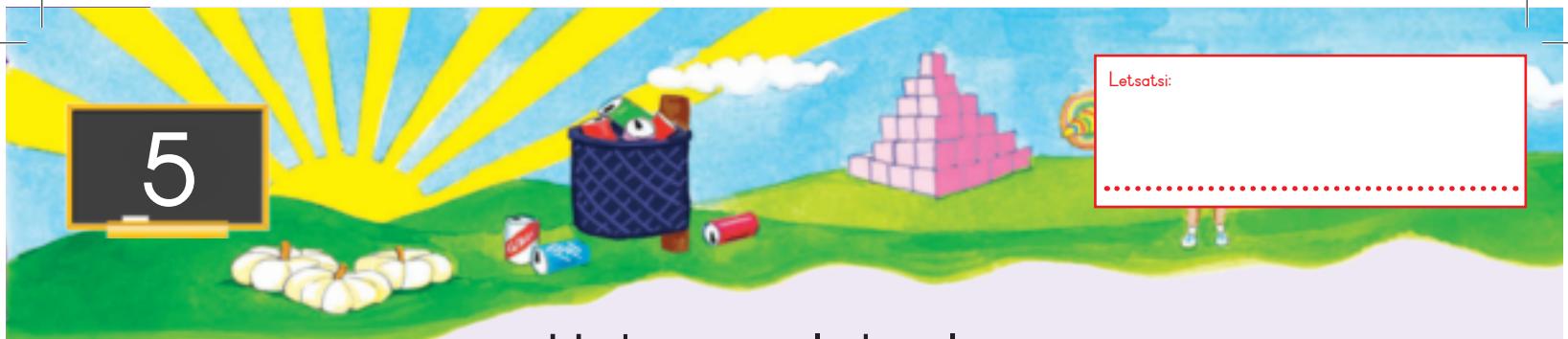


Teacher:

Sign:

Date:

5



Letsatsi:

Ho kapanya le ho tlosa



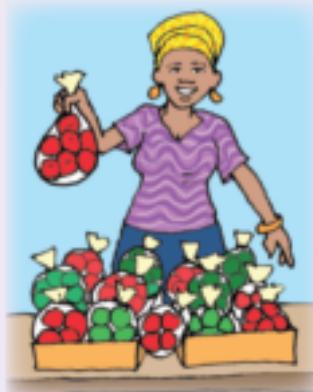
Lebenkele la Lebo

Hoseng Lebo o na le dipakana tse $|9$ tsa diapole. Ka nako ya motsheare o se a saletswe ke dipakana tse $|3$.

a. Lebo o rekitse dipakana tse kae? _____

b. Ngola karabo ya hao e le palo ya polelo.

$$____ - ____ = ____$$



Ngola dipalo tse ding tse hlano tsa ho bontsha karabo e ntseng e tshwana.

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



Ho ikwetlisa ka palo

Ngola karabo.

$$1 + 2 = 3$$

Sebedisa ...
+ - =

$ 0 + 5 =$ <input type="text"/>	$ 1 + 6 =$ <input type="text"/>	$ 4 - 9 =$ <input type="text"/>	$ 4 - 8 =$ <input type="text"/>
$ 1 + 5 =$ <input type="text"/>	$ 7 + 2 =$ <input type="text"/>	$ 9 - 7 =$ <input type="text"/>	$ 4 - 5 =$ <input type="text"/>
$ 2 + 6 =$ <input type="text"/>	$ 3 + 3 =$ <input type="text"/>	$ 6 - 5 =$ <input type="text"/>	$ 6 - 3 =$ <input type="text"/>
$ 7 + 2 =$ <input type="text"/>	$ 4 + 5 =$ <input type="text"/>	$ 5 - 0 =$ <input type="text"/>	$ 9 - 7 =$ <input type="text"/>



Maloko a dipalo

5 9 14

Sheba mehlala ena ya lelapa la palo.

$9 + 5 = 4$	$5 + 9 = 4$
$ 4 - 9 = 5$	$ 4 - 5 = 9$



Na o ka fumana dipalo tsohle tsa malapa a |4?

$ + 3 = 4$	$ 3 + = 4$	$ 4 - = 3$	$ 4 - 3 = $
$2 + 2 =$			
$3 + 1 =$			
$4 + 0 =$			
$5 + 9 =$			
$6 + 8 =$			
$7 + 7 =$			



Ké tla etsa sena
le ka |2.

|2

$ + 1 = 2$		
$2 + 0 = 2$		
$3 + 9 = 2$		
$4 + 8 = 2$		
$5 + 7 = 2$		
$6 + 6 = 2$		



|1 |2 |3 |4 |5 |6 |7 |8 |9 |20

6

Letsatsi:

Kotara ya |

Ho pheta habedi le ho hafola

O sa hopola?

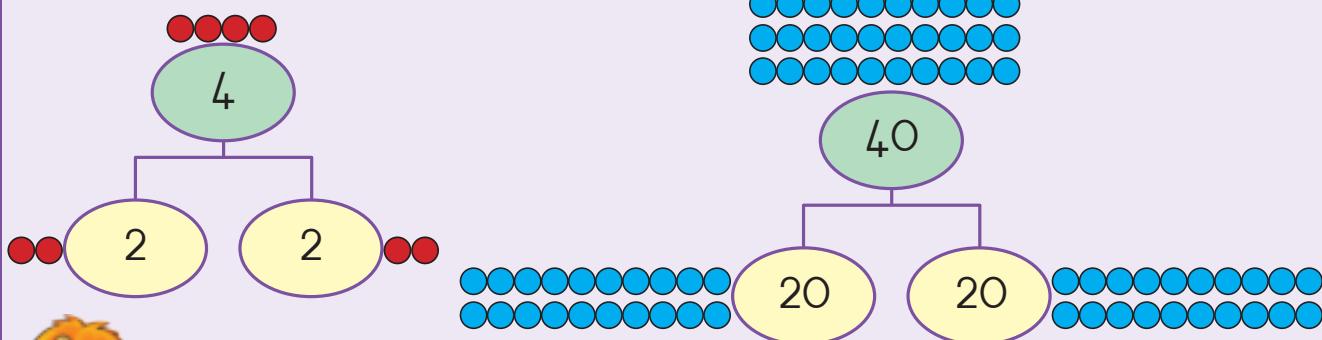
2 ke halofo ya 4

20 ke halofo ya 40

4 ke 2 habedi

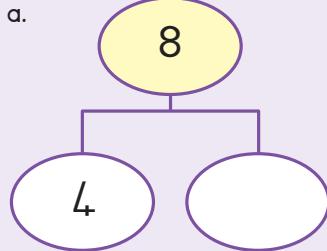
40 ke 20 habedi

Re ka bontsha sena ka setshwantsho ...

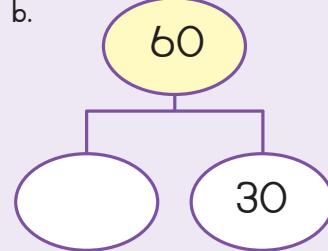


Fumana tse phetlweng habedi kapa dihalofo

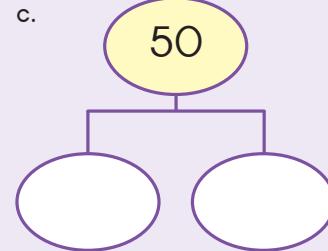
a.



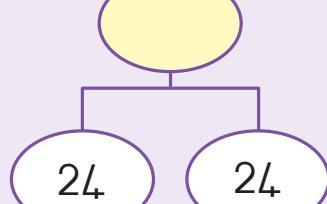
b.



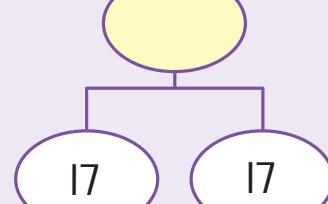
c.



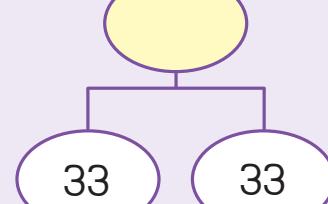
d.



e.



f.



Phephetso

Fumana halofo e le nngwe ya 3.

E bontshe e le palo kapa o ngole lebitso la palo. Setshwantsho se ka o thusa.



Pheta palo habedi o sebedisa molapalo.
Mohlala wa pele o se o o etseditswe.

a. Pheta 4 habedi

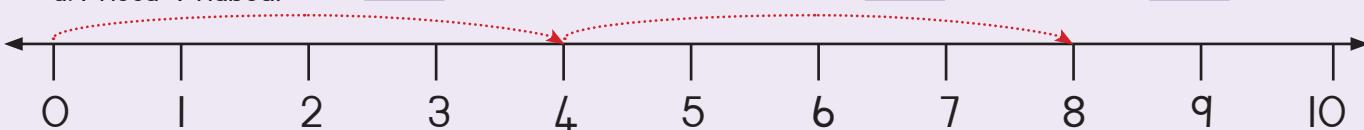
4

+

4

=

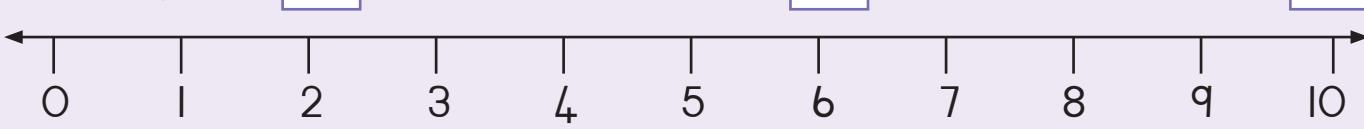
8



b. Pheta 5
habedi

+

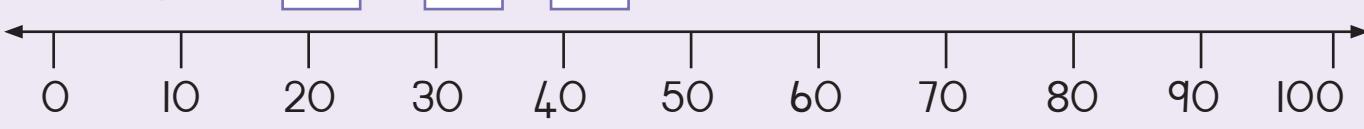
=



c. Pheta 20
habedi

+

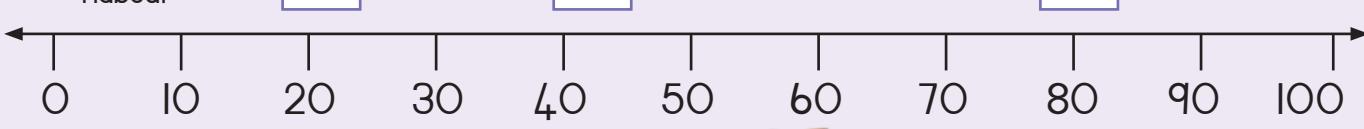
=



d. Pheta 40
habedi

+

=



Qetela tse latelang

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



Qetela tse latelang

a. Halof o ya 6	<input type="text"/> 3
b. Halof o ya 8	<input type="text"/>
c. Halof o ya 14	<input type="text"/>
d. Halof o ya 60	<input type="text"/>
e. Halof o ya 70	<input type="text"/>





Letsatsi:

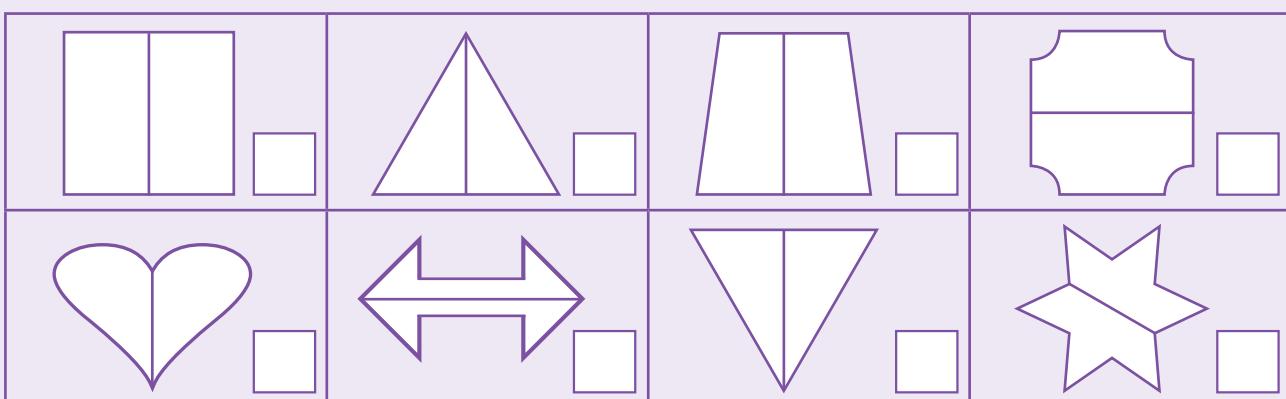
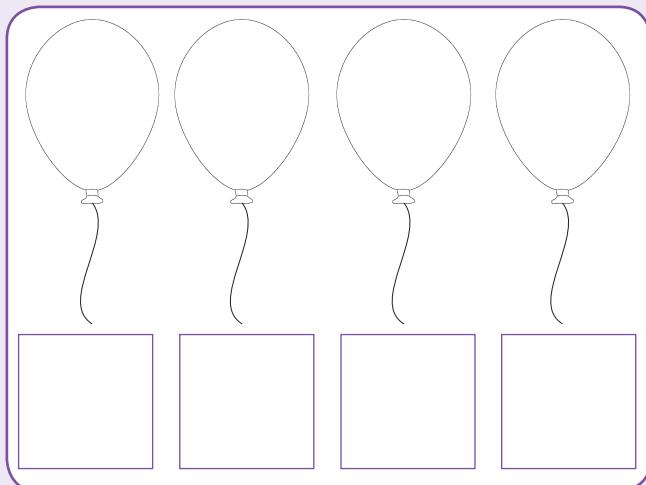
Dikarolwana

Tlotsa kotara ya dibalunu ka mmala o mokgubedu
tse ding ka mmala o bolou.

Tlotsa halofo e le nngwe ya lebokose ka mmala
o mokgubedu.

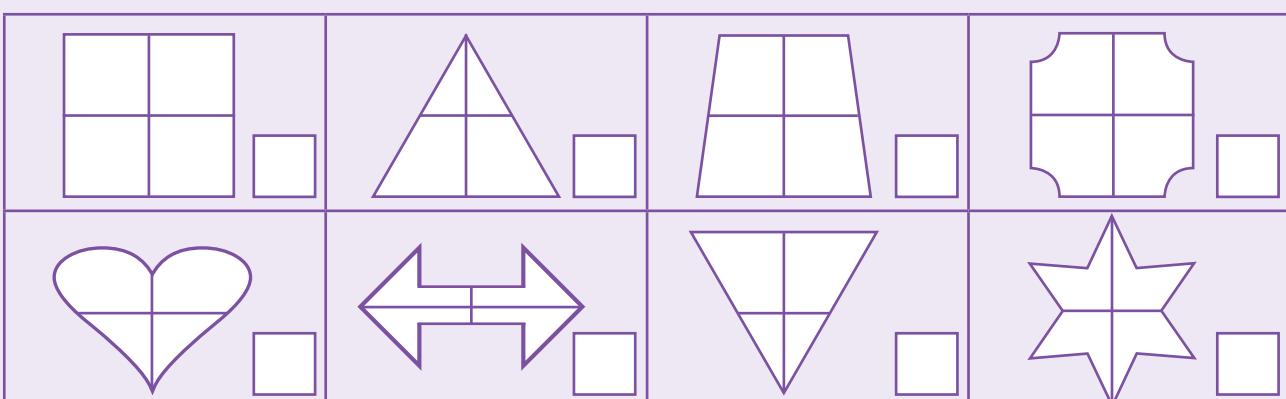
Sheba setshwantsho. Tshwaya
seboleho se bontshang dihalofo.

Tlotsa halofo ya seboleho se seng
le se seng se arotsweng ka halofo ka
mmala.



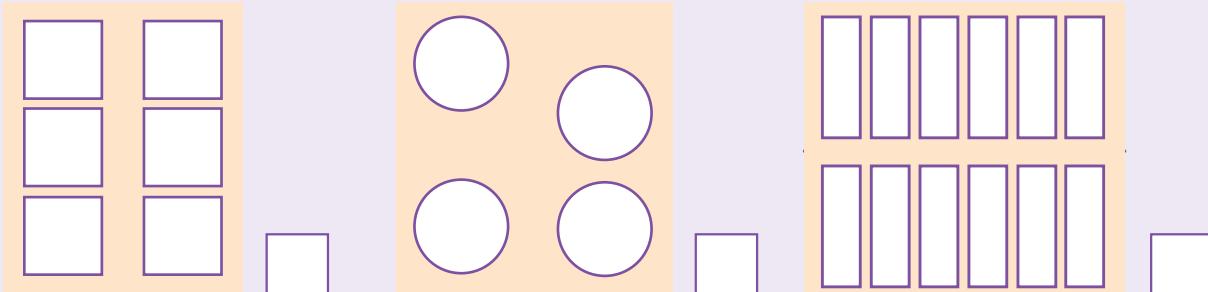
Sheba diboleho. Tshwaya diboleho tse bontshang dikotara.

Tlotsa kotara e le nngwe ya seboleho se seng le se seng se arotsweng ka dikotara ka mmala.

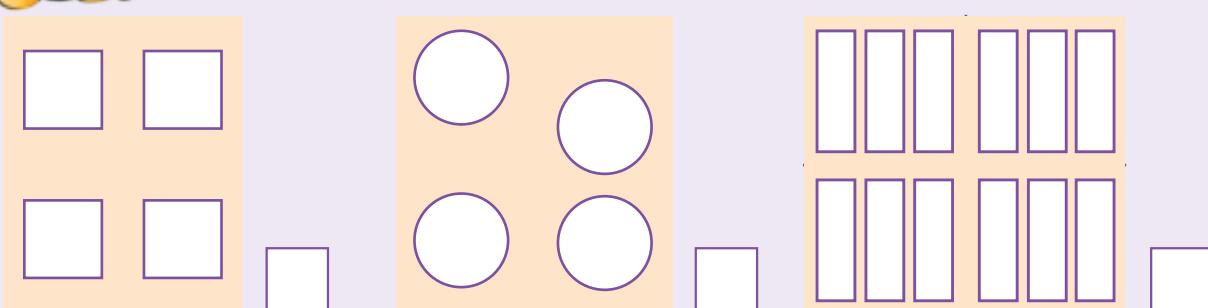




Tlotso halofo ya sebopetho ka mmala. Halofo ya palo ya dibopetho ke bokae?



Tlotso kotara ya dibopetho ka mmala. Kotara ya palo ya dibopetho ke bokae?



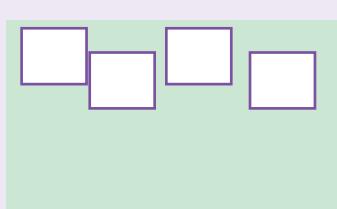
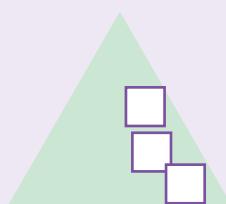
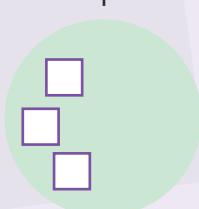
Ngola e le letshwao
la karolwana.

halofo e
le nngwe

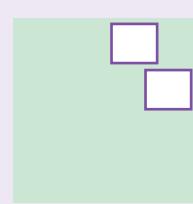
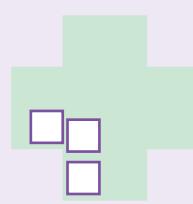
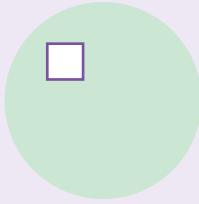
kotara e
le nngwe



Taka dibopetho tse ding hape ho etsa hore dihalofo di lekane.



Taka dibopetho tse ding hape ho etsa hore dikotara di lekane



8

Letsatsi:

Kotara ya |



Setokofeleng

MmaLubisi o bala le ho kgetha tjhelete ho tswa sehlopheng.



Lekanyetsa palo yohle. R _____

Bala tjhelete. R _____

Bapisa ditekanyetso
le palo yohle.



Ho boloka tjhelete

Gugu o boloka tjhelete bakeng sa para ya dieta tse bitsang R89.

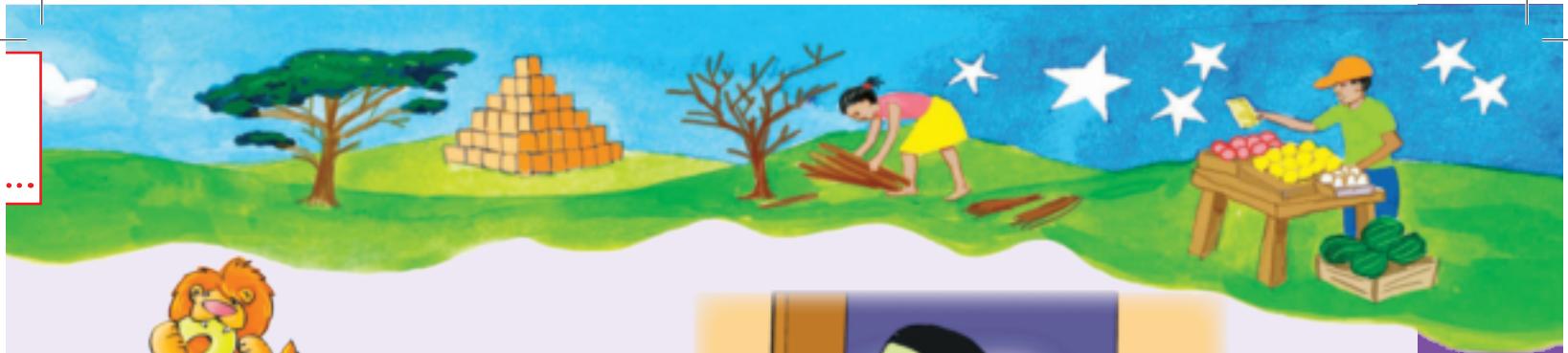
Ho fihlela jwale o na le halofo ya tjhelete.

O sa ntse a hloka bokae?

Ngola palo ya polelo ho bontsha karabo ya hao.



_____ - _____ - _____



Bankeng

Maria o kgetha tjhelete ya dipampiri ho
etsa diqubu tse 5.

Le yena o na le dinoutsu tse setseng.

Ngola palo yohle bakeng sa setshwantsho
ka seng.



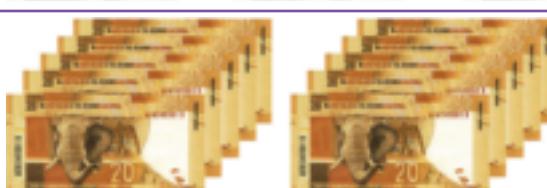
Palo yohle



R _____



R _____



R _____



Phephetso

Re etela serapa sa diphoooolo

Batho ba bang ba baholo le bana ba ya
serapeng sa diphoooolo.

Ba reka ditekete tsa R90.

Bana ba bakae? _____

Batho ba baholo ba bakae? _____

Ebe ho na le karabo e nngwe?

Batho ba baholo _____ Bana _____





Letsatsi:

Kotara ya |



Dipaterone

Sebedisa boto ya dipalo tse 200 ho araba dipotso.

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	I0
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	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



Sebedisa boto ya dipalo tse 200 ho qetela dipalo tse nne tse setseng dipateroneng tsena tsa dipalo. Jwale tlotsa paterone ya dipalo ka mmala.

I05, I10, I15, _____, _____, _____, _____	87, 90, 93, _____, _____, _____, _____
36, 40, 44, _____, _____, _____, _____	184, 186, 188, _____, _____, _____, _____
70, 65, 60, _____, _____, _____, _____	138, 135, 132, _____, _____, _____, _____
I80, I76, I72, _____, _____, _____, _____	I4, I2, I0, _____, _____, _____, _____



Ngola dipalo tse latelang pateroneng e nngwe le e nngwe. Jwale tlotsa paterone ka mmala. O hlokomela eng ka dipalo tse tlotsitsweng ka mmala o tshwanang?

Ho bala ka bohlano

	5		10						

Ho bala ka bobedi

2	4								

Ho bala ka boraro

	3		6						

Ho bala ka mashome.

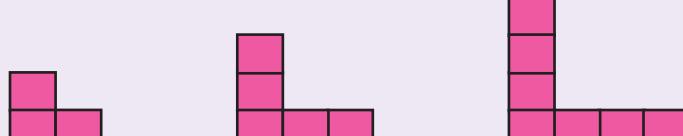
									10



Atolosa dipaterone.









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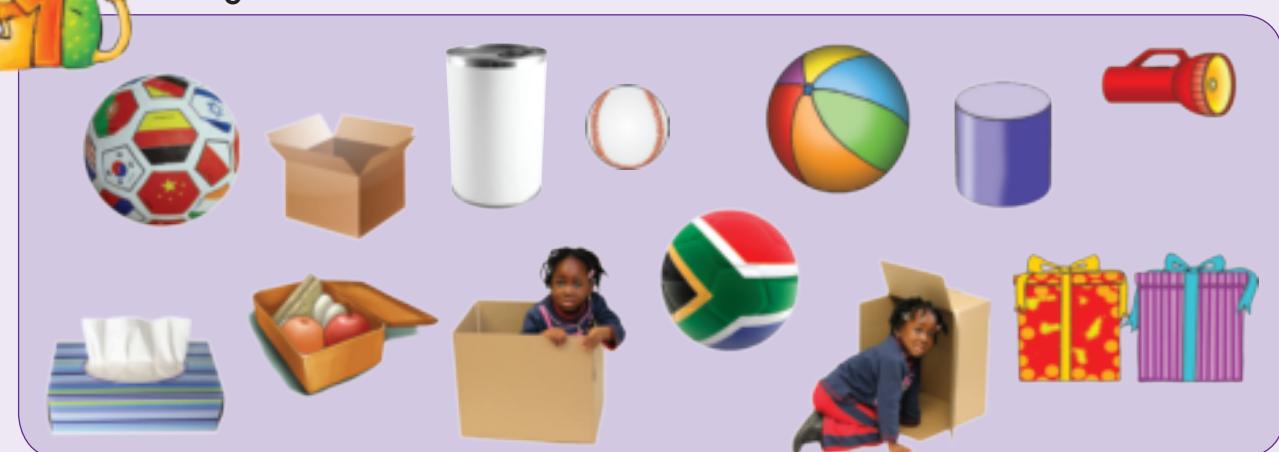
Letsatsi:

Kotara ya |

Dibolo, mabokose, le disilintere



Etsa sedikadikwe ho potoloha mabokose ka mmala o bolou, dibolo ka mmala o mokgubedu, disilintere ka mmala o motala.



Tlotsa karabo e nepahetseng ka mmala.



Lebokose

tse
sekamang



Silintere

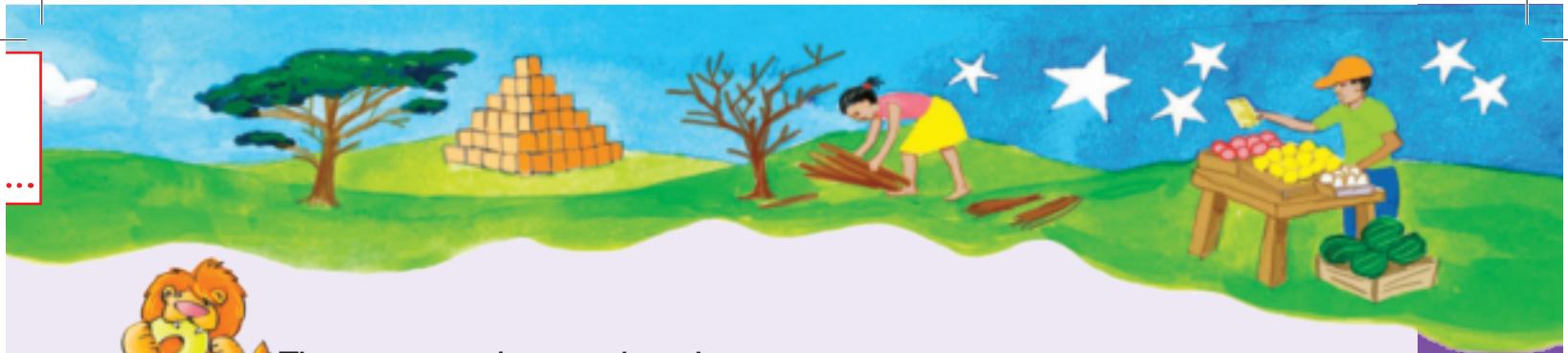
tse
sekamang



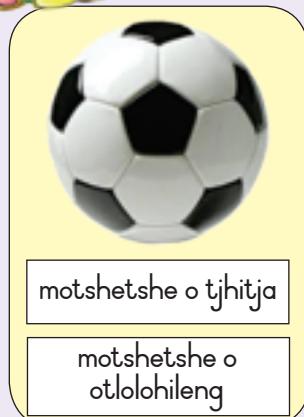
bolo

tse
sekamang

tse
thetehang



Tlotsa tse nepahetseng kamala.



motshetshe o tjhitja

motshetshe o otlolohileng



motshetshe o tjhitja

motshetshe o otlolohileng



motshetshe o tjhitja

motshetshe o otlolohileng



motshetshe o tjhitja

motshetshe o otlolohileng



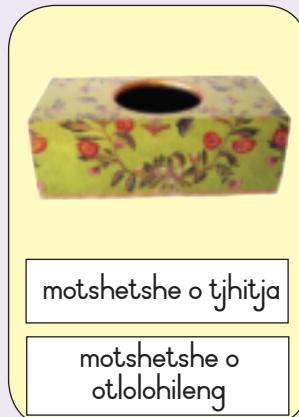
motshetshe o tjhitja

motshetshe o otlolohileng



motshetshe o tjhitja

motshetshe o otlolohileng



motshetshe o tjhitja

motshetshe o otlolohileng



motshetshe o tjhitja

motshetshe o otlolohileng



Bolela hore lekane le kamorao ho, kapele ho, thoko ho kapa hodima lebokose.



ka morao

ka pele ho

pela

hodima



ka morao

ka pele ho

pela

hodima

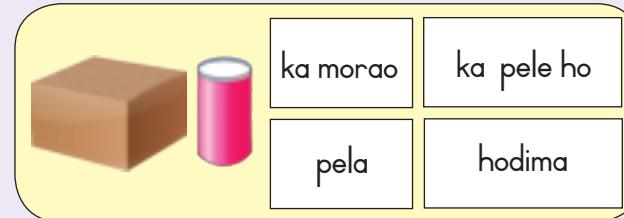


ka morao

ka pele ho

pela

hodima



ka morao

ka pele ho

pela

hodima

	<p>Teacher: Sign: Date:</p>	



Letsatsi:

Kotara ya |



Taka dibopeho

Kgutlotharo

Sedikadikwe

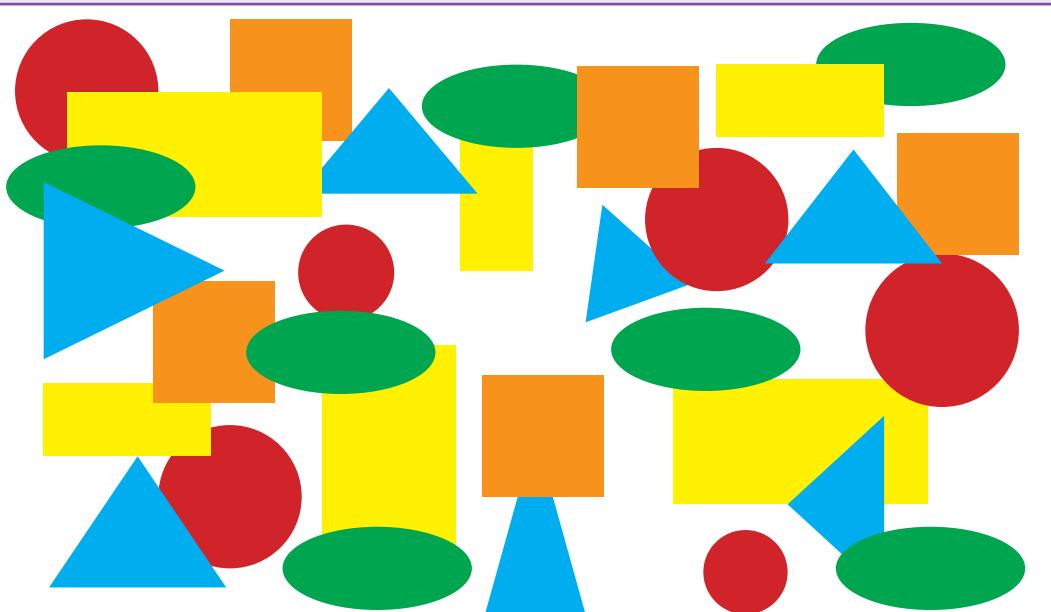
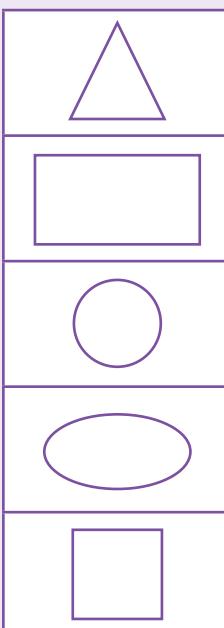
Sekwere

Kgutlonne



Ho bala dibopeho

Bala hore ke dibopeho tse kae tse tshwanang le tsena tseo o ka di fumanang setshwantshong.



1

2

3

4

5

6

7

8

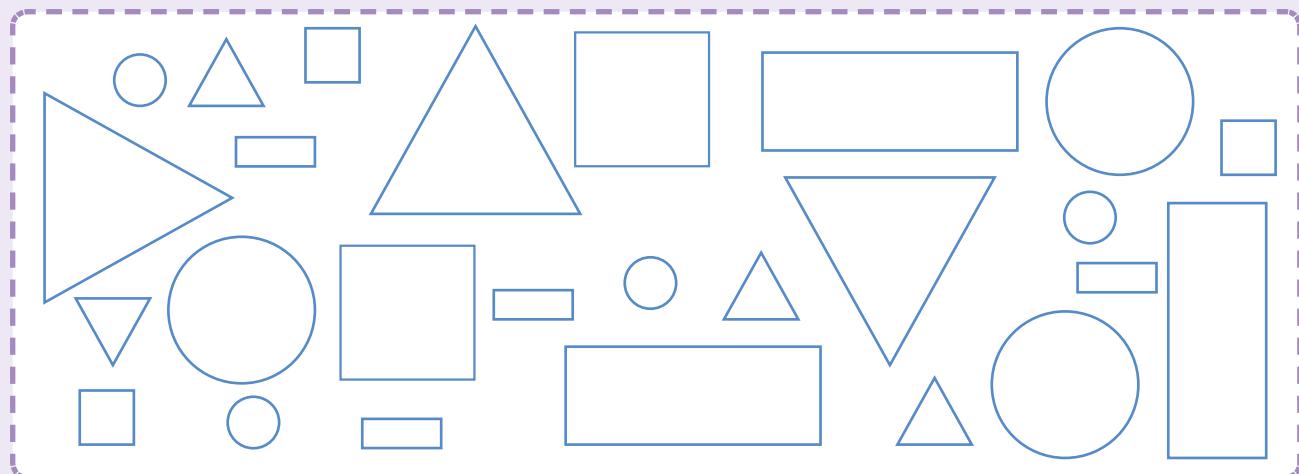
9

10



Tlotsa

Tlotsa ka mmala didikadikwe tse kgolo kaofela ka mmala o mokgubedu, didikadikwe tse nyenyanne ka mmala o motala; dikgutlotharo ka mmala o bolou, dikgutlotharo tse nyenyanne ka mmala o bosehla ba lamunu; dikwera tse kgolo ka mmala o pherese, dikgutlonne tse kgolo ka mmala o mosootho, dikgutlonne tse nyenyanne ka mmala o mopinki.



Mahlakore a makae?

Sebopheho ka seng se na le mahlakore a makae? Ngola palo ka hara boloko. Re o etseditse se le seng.
Na mahlakore a otlolohile kapa a tjhitja? Tlotsa karabo e nepahetseng ka mmala

otlolohileng	tjhitja	otlolohileng	tjhitja	otlolohileng	tjhitja	otlolohileng	tjhitja
otlolohileng	tjhitja	otlolohileng	tjhitja	otlolohileng	tjhitja	otlolohileng	tjhitja

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Date:

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Letsatsi:

Kotara ya |



Ho bala nako

Diwatjhe tsee di bontsha nako dife?



botsekeng

botsekeng

botsekeng

botsekeng



Tlola ho potoloha tshupanako

Thusa Minnie Mouse ho bala metsotso ka bo 5.

Qala ho 12. O potolohe.



O bala metsotso e mekae? _____

Ke metsotso e mekae ka hora 1? _____



Ho ngola nako

Etsa manaka ho bontsha dinako.



metsotso e leshome
le metso e mehlano
kamora 6



metsotso e mashome a
mararo kamora 8



metsotso e leshome le
metso e mehlano pele
ho 11



halofo kamora 5



Tumi o ya sekolong ka maoto.



O tloha hae.



O fihla sekolong.

Tumi o nka nako e kae? _____



Letsatsi la ho baka

Maria o baka borotho.



Borotho bo kena
ontong.



Borotho
bo a tswa.



Borotho bo bakwa nako ya metsotso e _____.



Phephetso

Nako e phetilweng habedi

- a. Fetolela dihora ho metsotso.

Dihora	1	2	4	8
Metsotso	60			

Ke hlokomela
paterone.



- b. Mandla o nka metsotso e 45 ho ya sekolong. Zander o nka habedi ho ya. Tumi o nka dihora tse kae ho fihla sekolong? _____

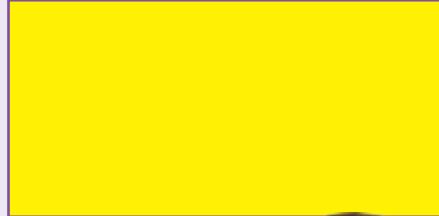
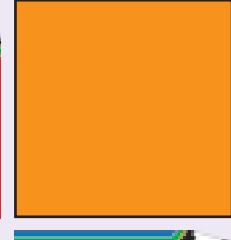
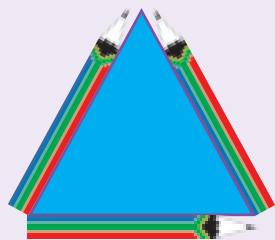
Teacher:
Sign:
Date:

13

Letsatsi:

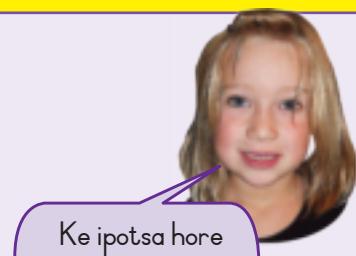
Kotara ya |

Ho metha bolelele



Kaofela,
mahlakore oohle
a kgutloharo
ena a bolelele ba
diphensele tse 3.

Kaofela,
mahlakore oohle
a kgutlonne ena
a bolelele ba
diphensele tse 4.



Ke ipotsa hore
kgutlonne e
bolelele le bophara
bo bokae.

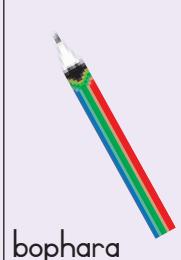
Kgutlonne e bolelele ba dipensele tse kae?

Kgutlonne e bolelele ba dipensele tse kae?

Kgutlonne e bophara ba dipensele tse kae?

Kgutlonne e bophara ba dipensele tse kae?

bolelele



bophara

O sebedisitse dipensele jwang ho bala?

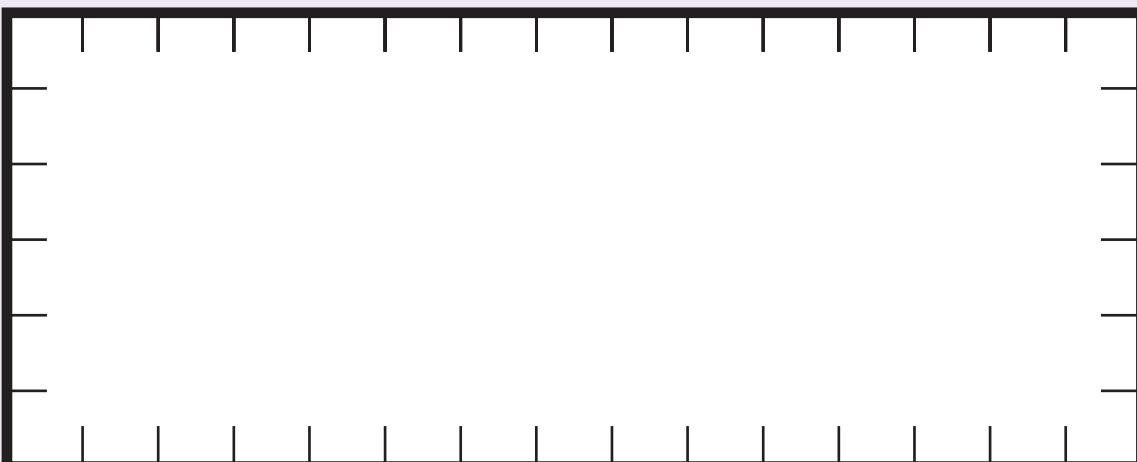


Bolelele bo makatsang

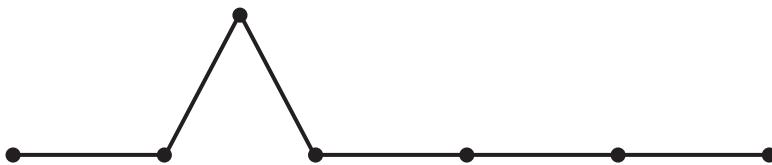
- a. O hloka mela e mekae e **mekgubedu** ho kwahela mola o motsho?



- b. O hloka mela e mekae e **mekgubedu** ho tswela pele ho potoloha kgutlonne?



- c. Ke efe e teletsana, ke tsela e ka hodimo kapa e ka tlase, kapa di a lekana?



Karabo _____

Hobaneng? _____



14



Kotara ya |



Bongata

Ke se ke tshetse dikgabana
tse nne ka koping

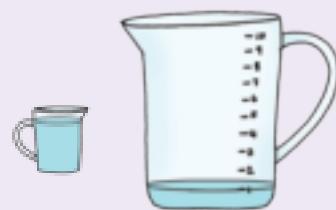


Ke dikopi tse ding tse kae tsa metsi tse tla
tlatsa setshela?

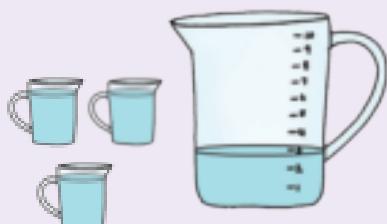


Ke dikopi tse kae tsa metsi a ka hara setshela? Re hloka dikopi tse kae hape ho tlatsa setshela?

a.



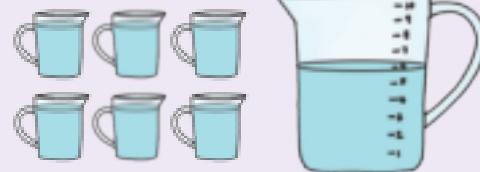
b.



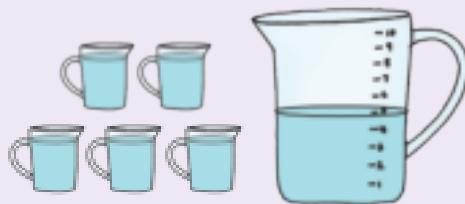
Ka hara setshela Hloka tse ding hape

Ka hara setshela Hloka tse ding hape

c.



d.



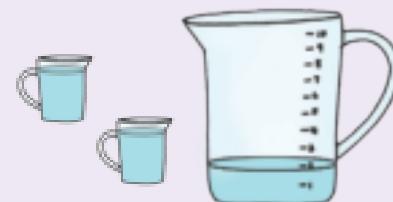
Ka hara setshela Hloka tse ding hape

Ka hara setshela Hloka tse ding hape

e.



f.

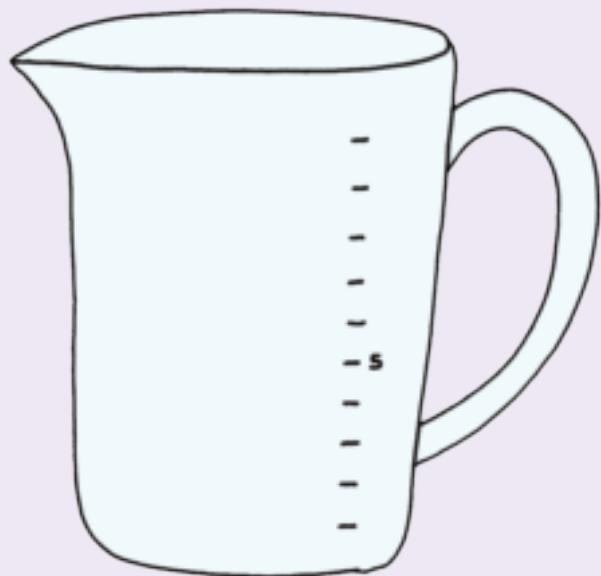


Ka hara setshela Hloka tse ding hape

Ka hara setshela Hloka tse ding hape



Ngola makgetlo jekeng ena e methang. Re bontshitse makgetlo a 5.
Tlatsa makgetlo a mang jekeng.



Haeba kopi e le nngwe e tlatsa jeke
lekgetlo la bobedi, o hloka dikopi tse kae
ho tlatsa jeke?

- a. 4 _____
- b. 6 _____
- c. 8 _____
- d. 10 _____



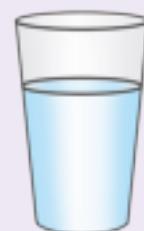
Tshwaya ditshela tseo o hopolang hore di tshetse lithara e l ya
mokedikedi.













Teacher:
Sign:
Date:

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Letsatsi:

Kotara ya |

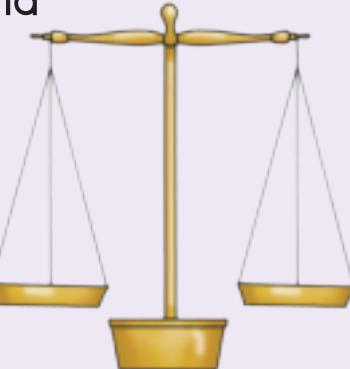


Ho sebetsa ka boima

Ha re lekanyeng hore re boima bo bokae!

Ho fumana **boima** ba rona, hore re **boima** kapa re **bobebe**
hakae, re sebedisa sekala.

Re lekanya boima ka **dikilogeramo**. Re sebedisa kgutsuf atso ena: kg.
Ke mang ya methang hofeta?



41 kg



38 kg



41 kg



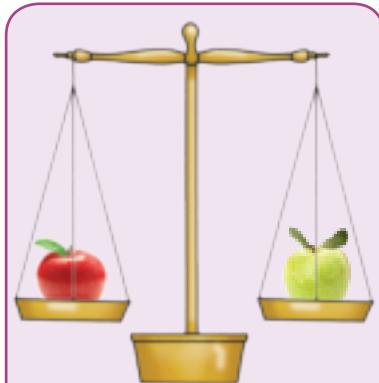
42 kg



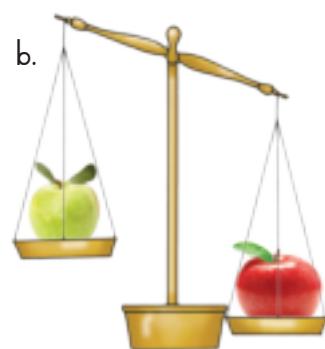
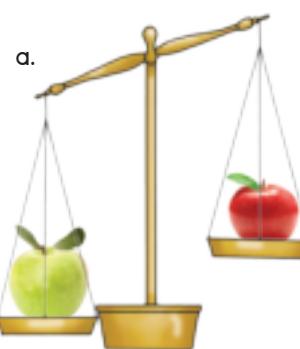
39 kg



Re sebedisa sekala se bekgang ho fumana boima.



Sekaleng sena diapole tsena
di le pedi di na le boima bo
lekanang



Araba potso ngola a kapa b

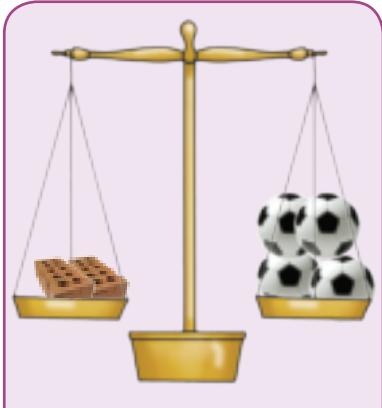
Apole e tala e boima ho feta e kgubedu sekaleng sefe?

Apole e tala e bobebe ho feta e kgubedu sekaleng sefe?



Tsitsisa sekala.

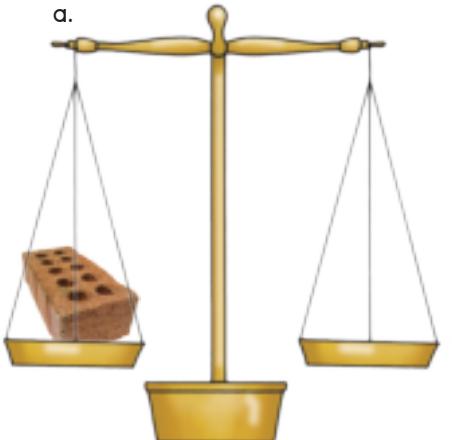
Ya pele o se o e etseditswe



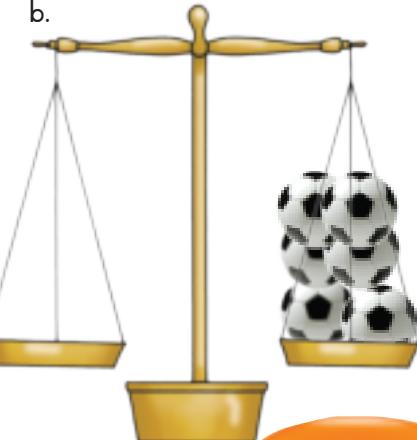
Ditene tse pedi di boima bo lekanang le ba dibolo tse nne.

Etsa setshwantsho ho bontsha hore o hloka ditene kapa dibolo tse kae hore sekala sena se lekane.

a.



b.





Haeba phasele e le nngwe e na le boima ba 3 kg. Diphasele tse:

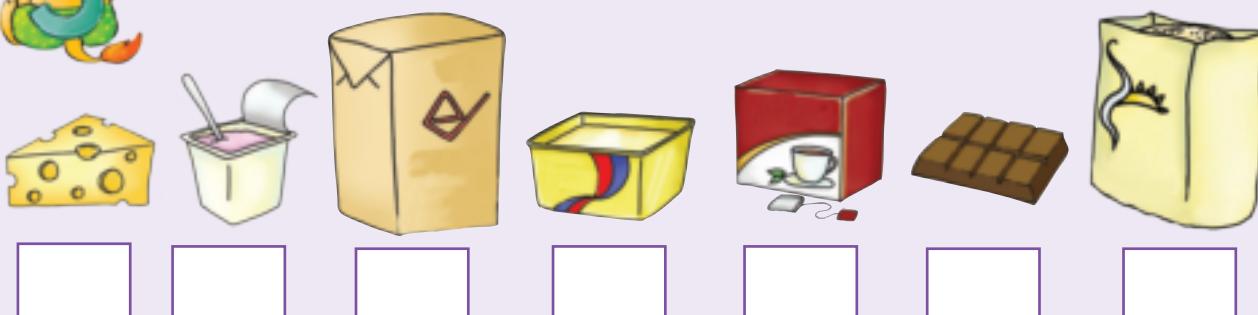
- Diphasele tse 2 _____ kg
- Diphasele tse 3 _____ kg
- Na nka metha diphasele tse 4 ka nako e le nngwe sekaleng sa kitjhine? _____



Hobaneng o ke ke wa etsa jwalo/oka etsang jwalo? _____



Tshwaya diboloko tsa dikarabo tsa dintho tsa boima ba 1 kg.



Teacher: _____
Sign: _____
Date: _____

16



Ho boloka dintlha

Dieta ka phaposing



Bala pale.

Thabo: Jo nna, Mofumahatsana! Jack ke ledimo! O rwala dieta tsa saese ya 6!

Mo. Khoza: Hantle haholo, Thabo, ke saese e kgolo ho ngwana wa dilemo tse robong! Wena o rwala saese efe ya dieta Thabo? Baithuti ba bangata ba rwala saese efe?
Ha re etseng dipatlisiso!

Baithuti ba bolela saese tsa bona, moithuti a le mong ka nako.

Mo. Khoza o ngola disaese hodima letlapa.

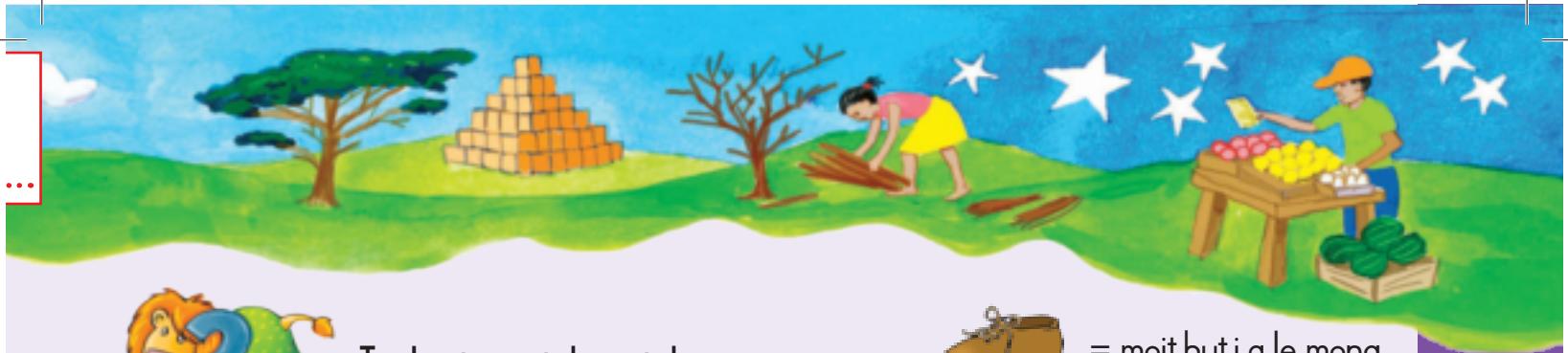
Mo. Khoza: Bala, mme o ngole hore ke palo e kae ya saese ka nngwe papetleng.

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

Tlatsa papetla e ka tlase.

Disaese tsa dieta ka phaposing

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



Jwale etsa setshwantsho



= moithuti a le mong



Saese ya 1

Saese ya 2

Saese ya 3

Saese ya 4

Saese ya 5

Saese ya 6



Jwale araba dipotso tsena.

- Baithuti, ba bangata ba rwala dieta tsa saese ya _____.
- Palo e tlaase ya baithuti e rwala saese ya _____.
- Ke bana ba _____ ba nkang karolo phuputsong ena.



O reng ka wena?

Umana hore wena le motswalle wa hao le rwala disaese dife tsa dieta!

- Sebetsang ka dihlopha tsa 6 kapa 8.
- Bokella dintlha tsa hao.
- Ngola palo ya disaese tsa dieta papetleng.
- Bapisang dikarabo tsa lona le tsa dihlopha tse ding.



Teacher:
Sign:
Date:

Bapisa le ho hlophisa dipalo

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
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----



Tlatsa ka dipalo tse silweng.

51									
									67
71									
									100

Sebedisa boto ya dipalo ho araba dipotso

- Ke palo efe e ka pele ho 68? _____
- Ke palo efe e ka mora 68? _____
- Ngola dipalo tse hlano tse ka tlase ho 71. _____, _____, _____, _____, _____
- Gola dipalo tse hlano tse kgolwanyane ho 71. _____, _____, _____, _____, _____
- Ke dipalo dife tse dipakeng tsa 79 le 84? _____
- Ngola dipalo ho tlaha ho tse nyane haholo ho ya ho tse kgolo haholo. 73, 52, 50, 59, 61
- Ngola dipalo ho tlaha ho tse kgolo haholo ho ya ho tse nyane haholo 74, 96, 99, 91, 38



Qetela papetla. Qala ka palo eo o efilweng.

	eketsa ka e le nngwe	fokotsa ka e le nngwe	eketsa ka leshome	fokotsa ka leshome
25				
39				
74				
56				
40				



Etsa sedikadikwe ho potoloha palo e kgolo.

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

Etsa sedikadikwe ho potoloha palo e nyane.

99	19	9	14	41	40
----	----	---	----	----	----



Haeba < e bolela e nyenyanje jwalo ka mme > e bolela e kgolwanyane jwalo ka qetela:

$$32 \quad < \quad 64 \qquad 23 \quad > \quad 18$$

$$57 \quad \square \quad 98 \qquad 89 \quad \square \quad 57$$



Fumana dipalo tse 5 tse dipakeng tsa 50 le 99 lesedinyaneng la ditaba o di manamise mona. Palo e nngwe le e nngwe e bolelang?



18

Letsatsi:

Kotara ya |



Boleng ba tulo ho fihla ho 99

Ho bontsha dipalo o sebedisa dintho

Re ka bontsha dipalo ka diboloko tsa boleng ba sebaka.

Boloko bo bonyenyane bo emetse I. Ke yuniti e le nngwe.

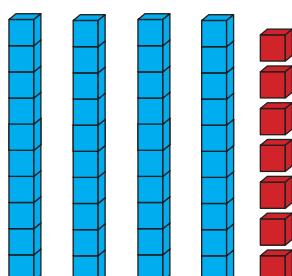
Molamu wa diboloko tse IO tse nyane o emetse IO.

Ke leshome.

Mashome	Metso
10	10
2	2

O ka bontsha palo o sebedisa
mashome le metso.

Hona ke kamoo o ka bontshang 47.



Mashome	Metso
4	7

mashome a mane le
metso e supileng
47

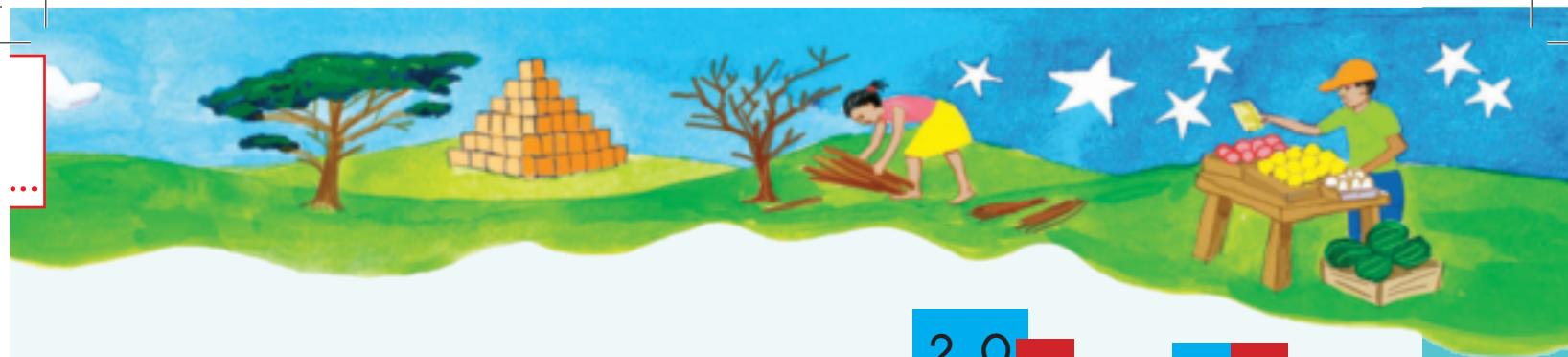


Ho ngola palo ka didijiti le mantswe

- a. Ka tlasa setshwantsho, ngola hore ke mashome a makae, le metso e mekae. Ebe o ngola palo ka matshwao le ka mantswe.

Mashome	Metso	Mashome	Metso
3	1		
31			

mashome a mararo le motso o le mong



2 0
6

2
6

- b. Re ka boela ra sebedisa dikarete tsa rona tsa dipalo ho bontsha sena.

Palo	Mashome a makte?	Metso e mekae?	Ngola palo ka mantswe
26	2	6	mashome a mabedi le tshelela
46			
qq			



Ke palo ee?

	<p>3 0 5</p> <p>3 5</p>	<table border="1"> <tr> <td>Mashome</td> <td>Metso</td> </tr> <tr> <td>3</td> <td>5</td> </tr> </table> <p>mashome a mararo a metso e mehlano</p> <p>35</p>	Mashome	Metso	3	5
Mashome	Metso					
3	5					
		<table border="1"> <tr> <td>Mashome</td> <td>Metso</td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>_____</p> <p>_____</p>	Mashome	Metso		
Mashome	Metso					
		<table border="1"> <tr> <td>Mashome</td> <td>Metso</td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>_____</p>	Mashome	Metso		
Mashome	Metso					



19

Letsatsi:

Kotara ya |



Ho bala

Ho beha mashome mmoho ha re kopanya ho fihla ho qq

Ke ena tsela e nngwe ya ho bontsha 22.	
Mashome	Metso
1 leshome	12 metso
1 0	1 0 2

Re na le leshome le le leng

Re na le yuniti tse leshome le metso e mmedi

Re tla beha diyuniti tse 10 ka seholpha

Mashome	Metso
2 leshome	2 metso
2	2

Jwale re na le tsela e nngwe ya ho bontsha 22.

Ha re kopanyeng **27 + 4**. Diboloko tse bolou ke tseo re qalang ka tsona. Tse kgubedu ke tseo re kopanyang ho tsona.

27 ke mashome a 2 le metso e 7. Ebe re kopanya metso e 4 hape.	
Mashome	Metso
2 Mashome	7 metso + 4 metso
2 0	7 4

Re na le mashome a 2 le metso e 11.

Mashome	Metso
Re ka bontsha metso e 10 jwalo ka leshome le le leng.	
2 0 1 0	1

Jwale re na le mashome a $3 + \text{metso le } 1 = 31$

Mashome	Metso
$\underline{\quad} + \underline{\quad} = \underline{\quad}$	3 1



Ngola palo ya polelo e bontshitsweng setshwantshong

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

Qetela ditshwantsho. Ngola palo ya polelo e bontshitsweng setshwantshong.

Mashome	Metso	Mashome	Metso	Mashome	Metso
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>					
Mashome	Metso	Mashome	Metso	Mashome	Metso
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>					



20a

Letsatsi:

Kotara ya!

Kopanya hodima molapalo

Dula setulo sa hao!

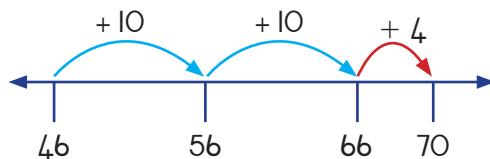
Sekolong sa rona moithuti ka mong o na le setulo sa hae.

Ho na le baithuti ba 46 kereiting ya 3A le ba 24

Kereiting ya 3B. Re hloka ditulo tse kae bakeng sa diphaposi tse pedi?

Sebetsa le motswalle

Sheba ka moo baithuti ba bararo bana ba sebedisitseng molapalo ho rarolla bothata. Qetela dipalo ka ho sebedisa mohlala.



Sena ke seo ke se etsang: ke qala ka ho kopanya 10. Hona ho ntlisa ho 56.

Ebe ke feta 10 e nngwe ho fihla ho 66. Qetellong, Ke tlola ha 4 ho tsepama ho 70.

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

$$= 56 + 10 + 4$$

$$= 66 + 4$$

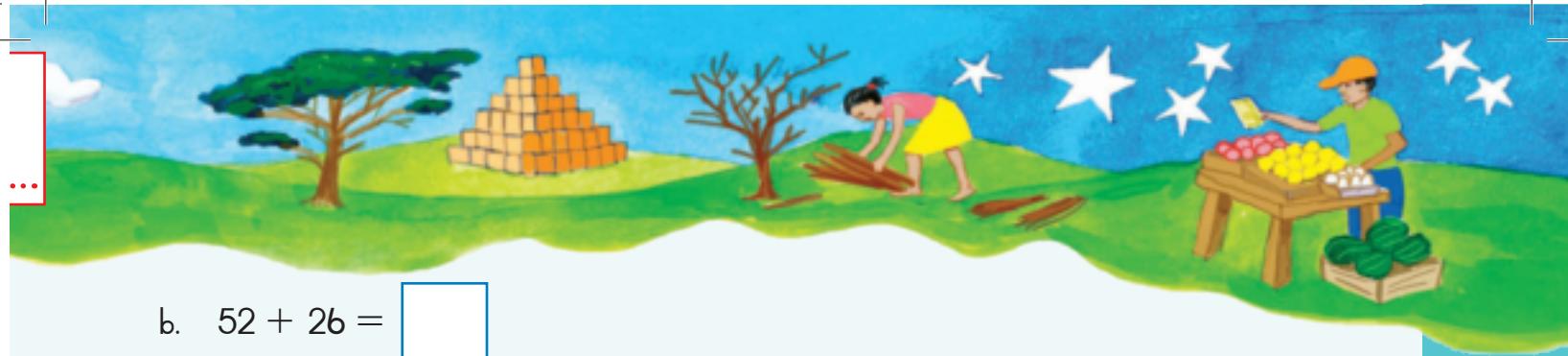
$$= 70$$

Ke lokela ho kopanya 24 ho 46.



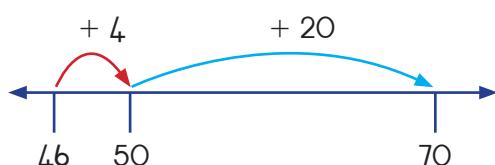
a. $32 + 25 =$

← →



b. $52 + 26 =$

c. $46 + 25 =$



Ke lokela ho
kopanya 24 ho 46.



Sena ke seo ke se etsang: Ke tla qala ka ho tlola 4. Hona ho tla ntlisa ho 50.
Nka tlola 20 ho eta, ho ntlisang ho 70.

$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$



a. $36 + 41 =$



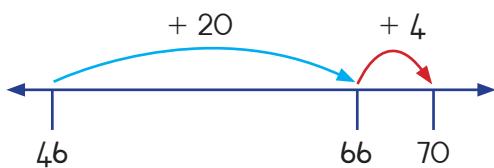
20b

Letsatsi:

Kotara ya!

Kopanya hodima molapalo (e a tswella)

b. $57 + 19 = \square$



Ke lokela ho kopanya 24 ho 46.



Sena ke seo ke se etsang: Ho tlaha ho 46, nka tlola 20. Hona ho ntlisa ho 66.
Jwale ke lokela ho tlola 4 ho feta mme ke fihle ho 70.

$$= 46 + 20 + 4$$

$$= 66 + 4$$

$$= 70$$

a. $63 + 24 = \square$



b. $65 + 29 = \square$





Ke dilofo tse kae?



Ralebaka o tlisa dilofo tse 54 tsa a masootho le tse 68 tsa a masweu. Ke dilofo tse kae kaoela?

- a. Fumana karabo hodima molapalo. Bontsha dipalo le palo ya makgetlo a tlotsweng

- b. Kopanya tse latelang, sebedisa mokgwa o ratwang ke wena wa tshebetso. Bontsha dipalo le bolelele ba ho tlola.

← 0 → 150



Kopanya tse latelang o sa sebedise molapalo.
Sebedisa mokgwa o mong oo o ratang ho o sebedisa.

$38 + 24 =$

$58 + 17 =$



$75 + 16 =$

$83 + 29 =$



2|a

Letsatsi:

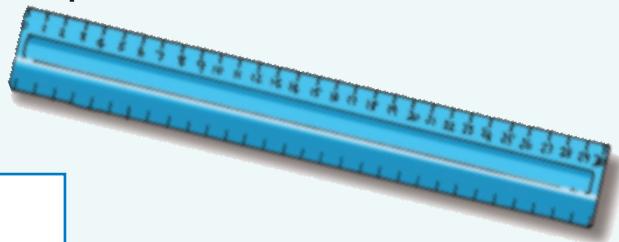
Kotara ya |

Ho tlosa hodima molapalo

Moithuti a le mong! Rula e le nngwe!

Baithuti ba hloka dirula tse 53. Re na le tse 35 feela.

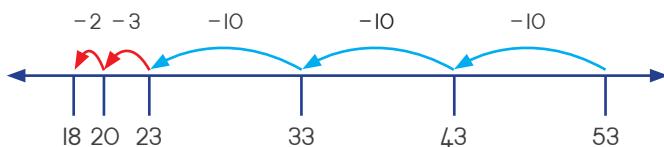
Re sa ntse re hloka tse kae? $53 - 35 =$



Sebetsa le motswalle

Bala kamoo bana bana ba bararo ba sebedisang molapalo mona.

Qetela dipalo ka ho sebedisa mohlala.



Ke lokela ho tlosa
35 ho 53. Ho tlosa ho bolela
ho fokotsa.



Ka hoo, ke tla qala ho 53 **ke tlose**. Ke tla tlosa 10, 10, 10 – ke fihle ho **23**. Jwale ho tlosa hlano, ke qala pele ka ho tlosa 3, ebe ke tla ho **20**. Ke tlosa 2 ho feta mme ke fihla ho **18**. Ka hoo, re hloka dirula tse 18.

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

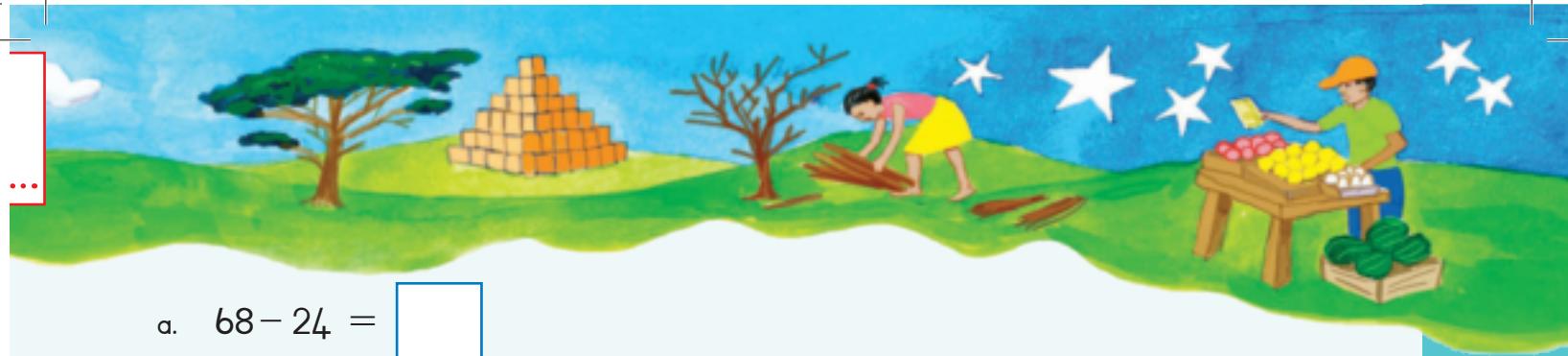
$$= 43 - 10 - 10 - 3 - 2$$

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

$$= 23 - 3 - 2$$

$$= 20 - 2$$

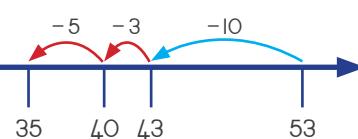
$$= 18$$



a. $68 - 24 = \square$

b. $74 - 38 = \square$

c. $92 - 87 = \square$



Ho tlosa ho bolela
ho fumana **phapang**
mahareng a 53 le 35.



Ke tla qala ho 53 mme ke bale ke **kgutlela morao** ho ya ho 35 ho **fumana phapang**. Ha ke bala ke kgutlela morao ka 10, ke fihla ho 43. Nka bala 3 ho feta ho fihla ho 40. Jwale ke bala 5 ho feta ke kgutlela morao ho fihla ho 35. IO kopanya le 3 kopanya le hlano ke **18**. Ka hoo re hloka dirula tse ding tse 18.

a. $38 - 14 = \square$

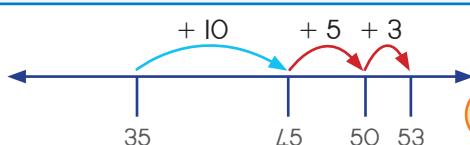


Ho tlosa hodima molapalo (e a tswella)

b. $65 - 43 = \square$

c. $72 - 39 = \square$

d. $85 - 48 = \square$



Nka qala ho 35 ho bona hore ke tlola makgetlo a makae **ho bala ho fihla** ho 53.



Nka qala ho 35 ho bona hore ho nkuka ho tlola hakae **ho bala ho fihla** ho 53. Leshome kopanya le hlano kopanya le tharo ke 18. Re hloka dirula tse 18 ka hodimo.

a. $84 - 32 = \square$



b. $96 - 53 =$

← →

c. $78 - 19 =$

← →

d. $63 - 47 =$

← →



Ho tsamaya ka tekesi

Leeto ka tekisi ho ya toropong ke 65 km.

Ho fihlela jwale tekisi e se tsamaile 38 km.

Ho sa setse hore e tsamaye bohole bo bokae?

Sebedisa molapalo ho rarolla bothata bona. O ka tlosa, wa balla pele,
kapa wa kgutlela morao. Leibola makgetlo a ho tlola le dipalo hodima molapalo



← →

km



22

Letsatsi:

Kotara ya |



Ditokisetso tsa pele!

Busi o kopa metswalle ya hae hore e fane ka lenane la dijo tseo ba di ratang. Sena ke seo a se bokeletseng. Thusa ho di hlophisa.



Bala le ho ngola hore ke metswalle e mekae e kgethang mofuta ka mong wa dijo.

Palo				



Qetela setshwantsho. Sebedisa papetla ya hao ho o thusa. Etsa sefahleho se le seng (😊) bakeng sa ngwana e mong le e mong ya kgethang mofuta wa dijo kapa wa senomaphadi.

😊			
😊			
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Tegeben:

Sign:

1

11 12 13 14 15 16 17 18 19 20

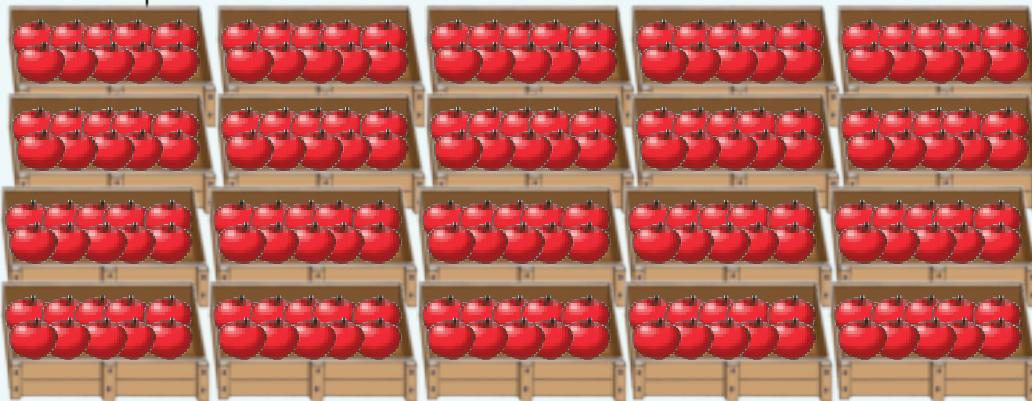
23

Letsatsi:

Kotara ya!



O bona diapole tse kae?



Tlatsa ka dipalo

Lebokose le I le na le apole e le I

Mola o le I ho na le mabokose a 4



Re ka pakela diapole tse kae ka hara mabokose ana?

- a. 
- b. 
- c. 

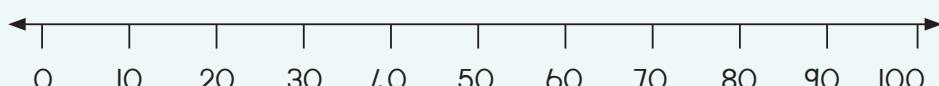


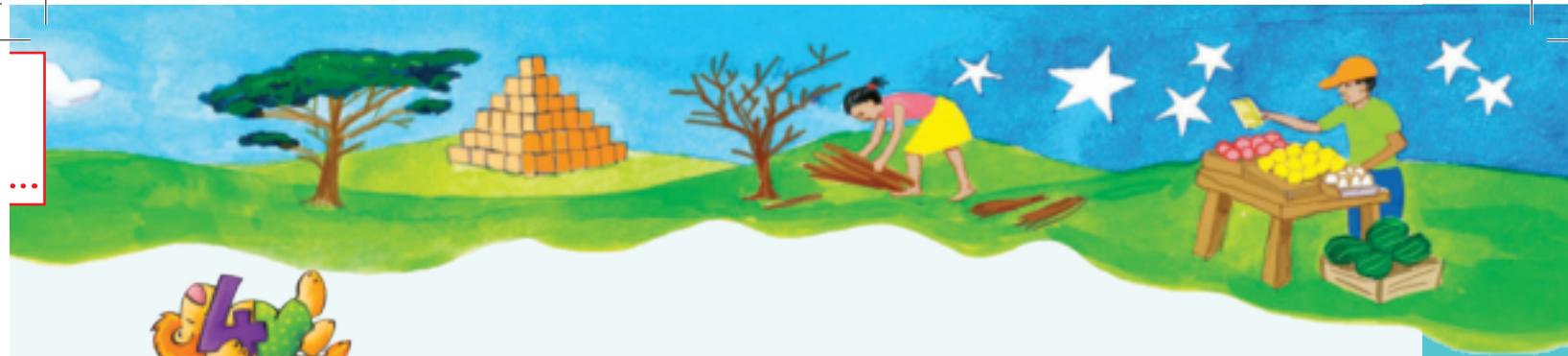
Bala hodima molapalo.

a. Ho tla ba le diapole tse kae ka mabokoseng a mahlano?



b. Ho tla ba le diapole tse kae ka mabokoseng a supileng?





Diqujwana tse 3 tsa 10 di etsa **3 0** $3 \times 10 =$ **3 0** kapa $10 \times 3 =$ **3 0**

Diqujwana tse 5

tsa 10 di etsa

$$\underline{\quad} \times \underline{\quad} = \boxed{\quad} \text{ kapa } \underline{\quad} \times \underline{\quad} = \boxed{\quad}$$

Diqujwana tse 2

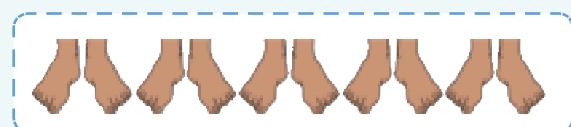
tsa 10 di etsa

$$\underline{\quad} \times \underline{\quad} = \boxed{\quad} \text{ kapa } \underline{\quad} \times \underline{\quad} = \boxed{\quad}$$



Dipara tse 5 tsa maoto.

Ho na le menwana e mekae kaofela?



$$10 + 10 + 10 + 10 + 10 = \boxed{5 0} \quad 5 \times 10 = \boxed{\quad}$$

kapa $10 \times 5 =$

Jwale etsa tsena

Dipara tse 4 tsa maoto. Ho na le menwana e mekae kaofela?

$$\underline{\quad} = \boxed{\quad} \quad \underline{\quad} \times \underline{\quad} = \boxed{\quad} \text{ kapa } \underline{\quad} \times \underline{\quad} = \boxed{\quad}$$

Dipara tse 9 tsa maoto. Ho na le menwana e mekae kaofela?

$$\underline{\quad} = \boxed{\quad} \quad \underline{\quad} \times \underline{\quad} = \boxed{\quad} \text{ kapa } \underline{\quad} \times \underline{\quad} = \boxed{\quad}$$



Ha re bale.

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

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



24



Letsatsi:

Kotara ya |

Ikwetlise ka bo 5



Ke ditlhapi tse kae? Lekanya



Jwale bala ditlhapi. Fumana hore di kae kaofela.



Bala ka bo 5

Fumana palo yohle ya mahe a tlhapi. Ngola palo ya polelo ya + le X.
Re o etseditse ya pele.

Tlhapi le mahe	Ke mahe a makae kaofela?	
Tlhapi tse 5, di behela mahe a 2	$2 + 2 + 2 + 2 + 2 = 10$	$5 \times 2 = 10$
Tlhapi tse 5, di behela mahe a 10		
Tlhapi tse 5, di behela mahe a 4		
Tlhapi tse 5, di behela mahe a 3		
Tlhapi tse 5, di behela mahe a 6		
Tlhapi tse 5, di behela mahe a 8		
Tlhapi tse 5, di behela mahe a 5		



Qetela dipalo tsa polelo le melapalo.



$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35}$$

kapa $\boxed{7} \times \boxed{5} = \boxed{35}$

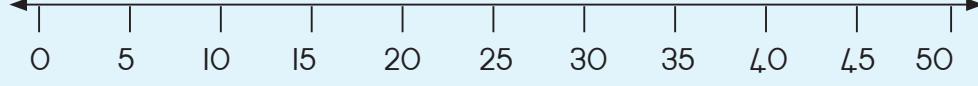
a.



$$5 + 5 + 5 + 5 = \boxed{\quad}$$

kapa $\boxed{\quad} \times \boxed{\quad} = \boxed{\quad}$

b.



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

c.



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



Tshwasa tlhapi

Sipho o tshwasa ditlhapi tse pakeng tsa 40 le 50. O di bala ka bo 2 mme ho sala e le l.

O di bala ka bo 5 mme ho sala tse 2. Sipho o tshwasitse ditlhapi tse kae?



25a

Letsatsi:

Kotara ya |



Palo ya dikausi

Bala ka bo 2



- Ke dipara tse kae tsa dikausu? _____
- Ke dikausu tse kae tse teng? _____
- Na ho na le dikausi tse setseng? _____



Ho bala dipara tsa dikausi

Ngola hore ke dipara tse kae tsa dikausu tse teng mme o bolele hore ebe ho na le tse setseng.

Dikausu	Palo ya dipara	Palo ya dikausi	Dikausi tse tsamayang di le ding tse setseng



Teacher:
Sign:
Date:

25b

Letsatsi:

Kotara ya |



Ho bala ka bo 2 (ho ntshetswa pele)

Ho bopa dipara.

Ngola fatshe dipalo tse arolehang le tse sa aroleheng ka pedi ho tloha ho 1 – 60.

- a. Ngola dipalo tse arolehang ka pedi ho tloha ho 1 – 60.

2, 4, 6,

- b. Ngola dipalo tse sa aroleheng ka pedi ho tloha ho 1 – 60.

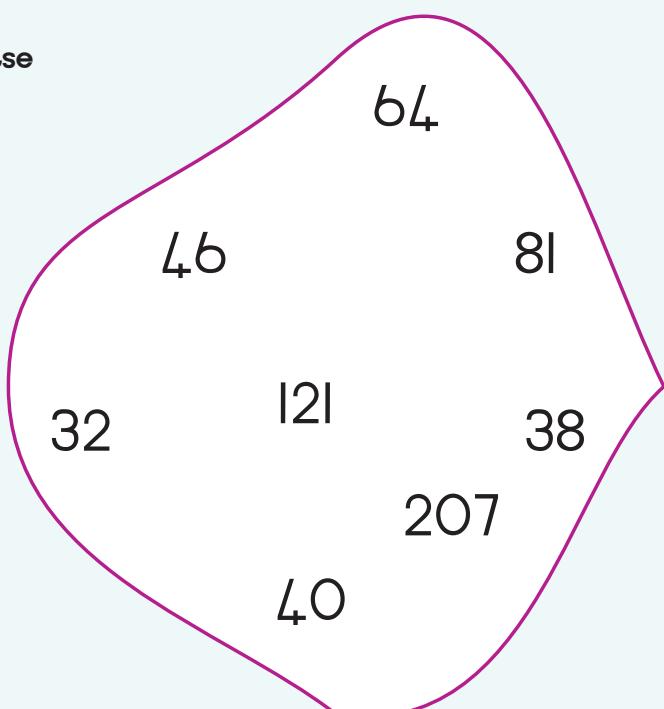
3, 5, 7,

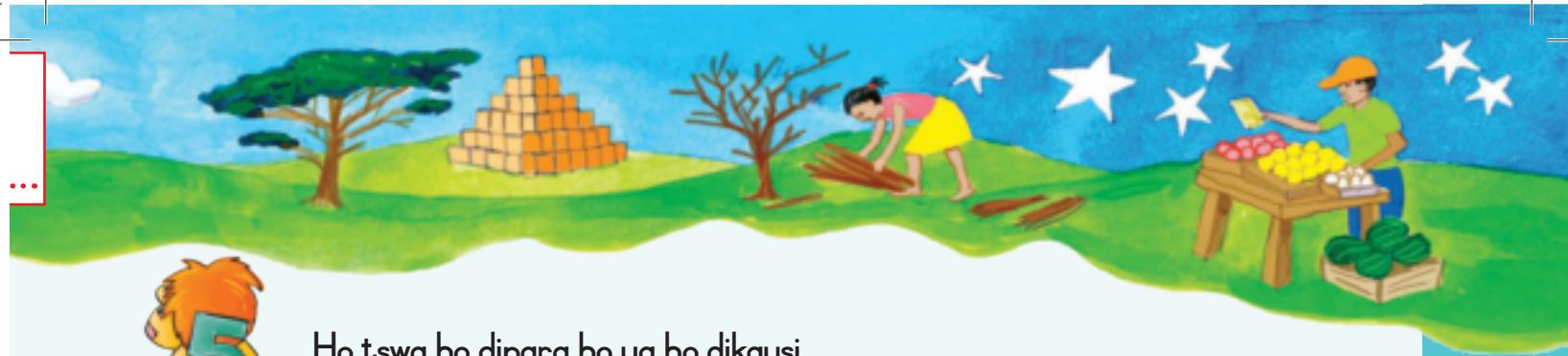


Tse sa aroleheng ka pedi le tse
arolehang ka pedi

Etsa sedikadikwe ho potoloha
dipalo tse arolehang ka pedi.

Etsa sekwere ho potoloha
dipalo tse sa aroleheng ka pedi.





Ho tswa ho dipara ho ya ho dikausi

Mohlala:

Dikausi tse 2 = para e le |

$$2 \times 1 = 2$$

Dikausi tse 20 = dipara tse 10

$$2 \times 10 = 20$$

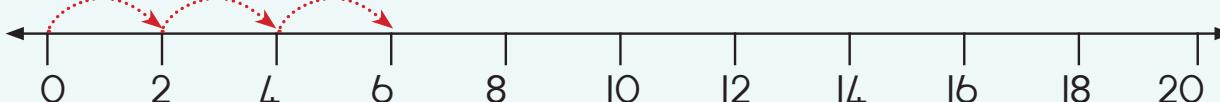
a. Ngola hore ke dikausu tse kae?

Nahana ka bo 2	Palo ya polelo
e le 1 = dikausu tse 2	<input type="text"/> 1 \times <input type="text"/> 2 = <input type="text"/> 2
tse 2 = dikausu tse _____	<input type="text"/> 2 \times <input type="text"/> 2 = <input type="text"/>
tse 4 = dikausu tse _____	
tse 8 = dikausu tse _____	
tse 9 = dikausu tse _____	

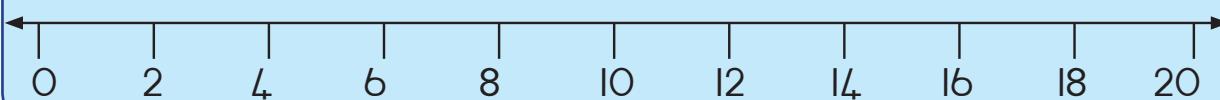
b. Bontsha palo hodima molapalo mme o e qetele.

Mohlala:

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



$$2 + 2 + 2 + 2 + 2 + 2 + 2 = \boxed{} \text{ kapa } \boxed{} \times \boxed{} = \boxed{}$$



26

Letsatsi:

Kotara ya |



Tjhelete mehleng eo le mehleng ya jwale

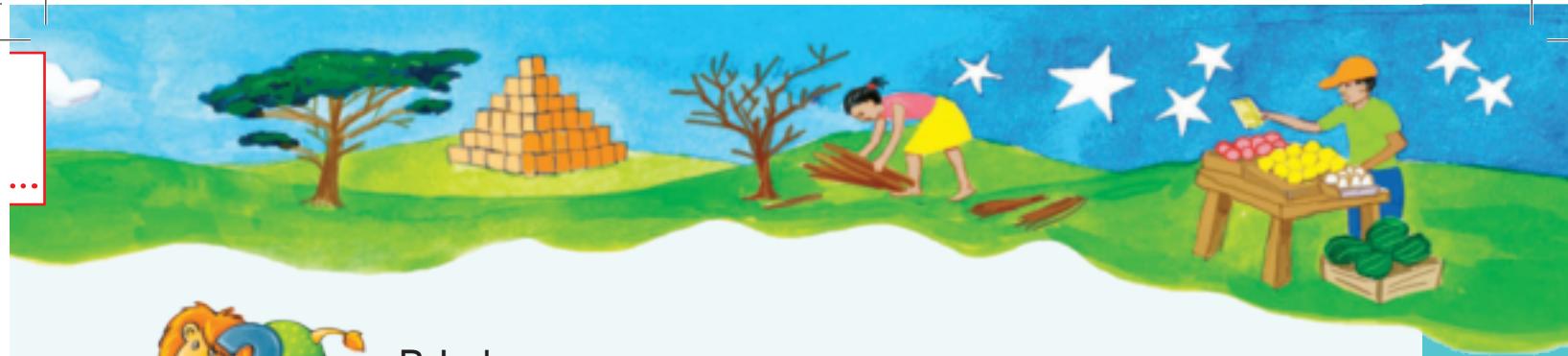
Pale ya tjhelete ya rona

Arika Borwa re sebedisa diranta le disente jwalo ka tjhelete ya rona.

Re qadile ho sebedisa diranta le disente ka 1961.

Matsatsing ao 1 sente ya tshepe e ne e le e nyenyane ka ho fetisia, ho latele disente tse 2 le disente tse 5.





Bala disente

Bala sente e le I.

Ho na le disente tse kae?

O hloka tse kae tse ding ho etsa
R1,00?

Di rale ka hara boloko.



Disente di 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 reka ditholwana tsa bokae?

2 di bitsa R4,00.

Ke dipanana tse kae tsa R20,00?

2 di bitsa R2,00.

Ke diapole tse kae tsa R9,00?



27

Letsatsi:

Kotara ya |

Bala ka bo 3



Mabidi ka bo 3



baesekele e le I ya maoto a mararo e na le mabidi a ____.



Dibaesekele tse 5 tsa maoto a mararo di na le mabidi a ____	$3 + 3 + 3 + 3 + 3 = 5 \times 3 =$ ____
Dibaesekele tse 2 tsa maoto a mararo di na le mabidi a ____	$3 + 3 = 2 \times 3 =$ ____
Dibaesekele tse 4 tsa maoto a mararo di na le mabidi a ____	
Dibaesekele tse 6 tsa maoto a mararo di na le mabidi a ____	
Dibaesekele tse 9 tsa maoto a mararo di na le mabidi a ____	
Dibaesekele tse 8 tsa maoto a mararo di na le mabidi a ____	



Melapalo

Latela mohlala.



a. $3 + 3 + 3 + 3 =$ $= 4 \times 3 =$



b.

$$3 + 3 + 3 + 3 + 3 = \boxed{\quad} = \boxed{\quad} \times \boxed{\quad} = \boxed{\quad}$$

c.

$$\text{---} = \boxed{\quad} = 6 \times 3 = \boxed{\quad}$$

d.

$$\text{---} = \boxed{\quad} = 10 \times 3 = \boxed{\quad}$$



Dibaesekele tsa mabidi a mabedi le dibaesekele tsa mabidi a mararo



Lebenkeleng la Busi o bala mabidi a dibaesekele le a dibaesekele tsa mabidi a mabedi tsa mabidi a mararo. Ke mabidi a 1/4 kaofela mmoho.

Ho na le dibaesekele tse kae? _____

Ho na le dibaesekele tsa mabidi a mararo tse kae? _____



11 12 13 14 15 16 17 18 19 20
||||| ||||| ||||| ||||| ||||| |||||

28

Letsatsi:

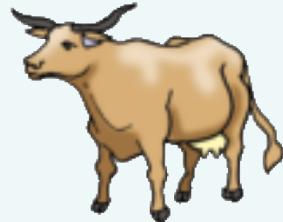
Kotara ya!

Ke eng e nang le a 4?



Maoto a mane

Tse ding tsa dintlha tsa bo 4 ...
 $4 + 4 = 8; 2 \times 4 = 8$



Dikgomo di na le maoto a mane.

Ke eng hape e nang le maoto a mane? _____

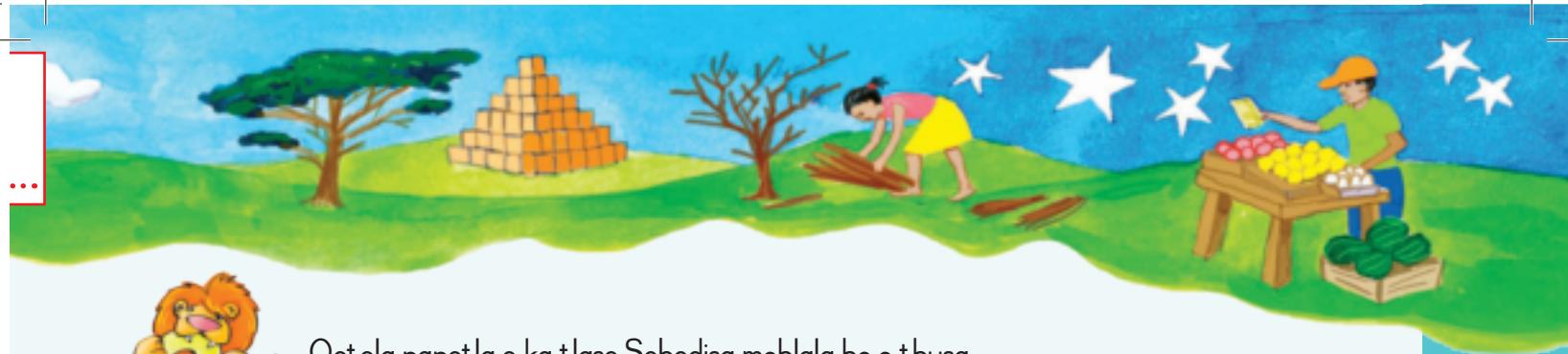


Bala maoto

Arolelanang dikarabo.
 Hlalosa seo o se entseng.

Sebedisa dintlha tseo o di tsebang ka 4 ho araba dipotso tsena:

e le 1 maoto a <input type="text" value="4"/>	dikgomo tse 2 <input type="text" value="maoto a 8"/>
tse 3 maoto a <input type="text" value=""/>	dikgomo tse 4 <input type="text" value="maoto a"/>
tse 5 maoto a <input type="text" value=""/>	dikgomo tse 6 <input type="text" value="maoto a"/>
tse 7 maoto a <input type="text" value=""/>	dikgomo tse 8 <input type="text" value="maoto a"/>
tse 9 maoto a <input type="text" value=""/>	dikgomo tse 10 <input type="text" value="maoto a"/>



Qetela papetla e ka tlase. Sebedisa mohlala ho o thusa.

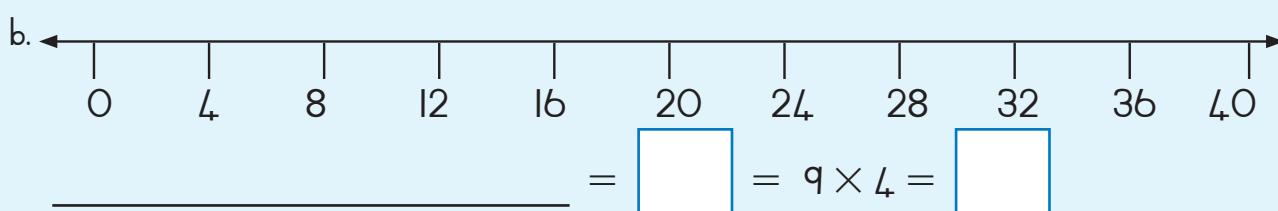
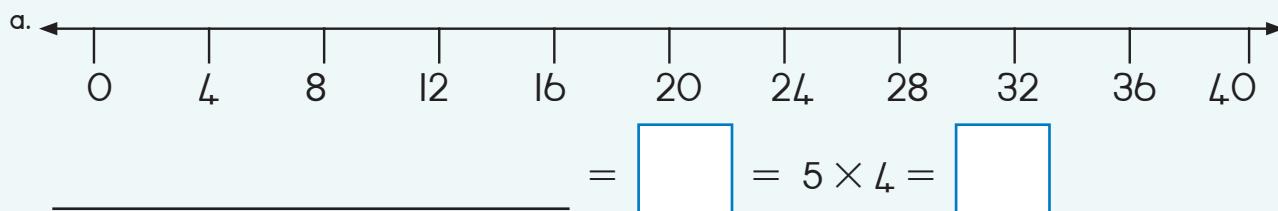


Dikgomo tse 3 di na le maoto a _____	$4 + 4 + 4 = 3 \times 4 =$ <u>12</u>
Dikgomo tse 5 di na le maoto a _____	
Dikgomo tse 4 di na le maoto a _____	
Dikgomo tse 7 di na le maoto a _____	
Dikgomo tse 8 di na le maoto a _____	

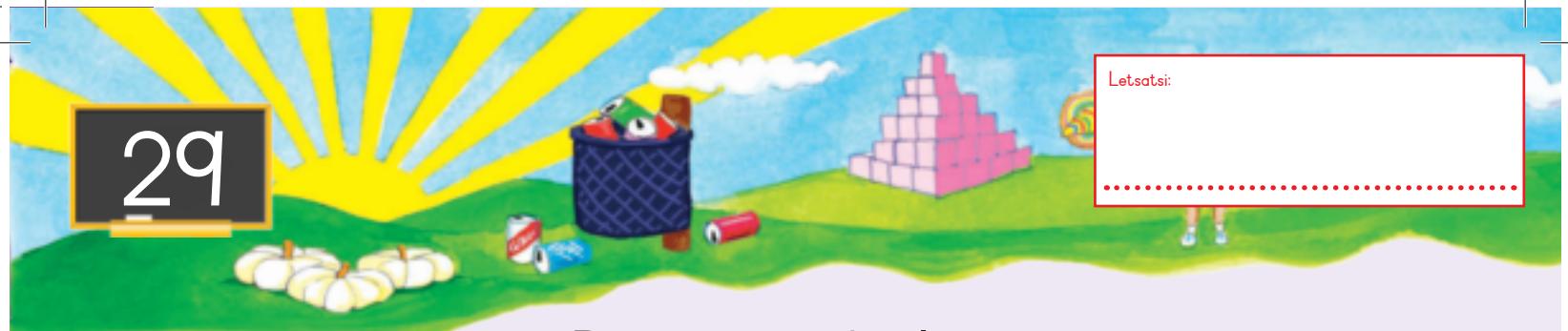


Melapalo

Bontsha palo ya katiso hodima palomola mme o qetelle.



Teacher: _____
Sign: _____
Date: _____



Letsatsi:

Dipaterone dipalong



Kiriti ya dipaterone

Ke paterone efe ya dipalo e bontshwang ke didikadikwe tse kriting ka nngwe ya 100?

Rala didikadikwe tse ngata ho ho qetella paterone ka nngwe.

Nqola lebitso lapaterone e nngwe le e nngwe.

a. Paterone:

b. Paterone:

A 10x10 grid of squares. Black dots are placed in the center square of each row and column, specifically at coordinates (1,1), (2,2), (3,3), (4,4), (5,5), (6,6), (7,7), (8,8), and (9,9).

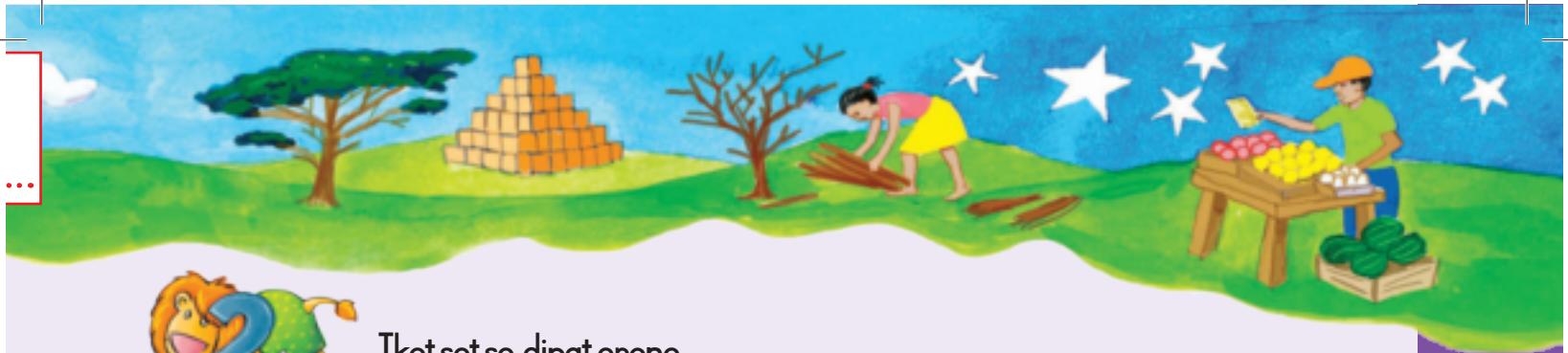
c. Paterone:

A Go board diagram illustrating a local capture sequence. The board is a 19x19 grid with black and white stones. The stones are arranged as follows:

- Row 1: Empty
- Row 2: White stone at (2, 1), Black stone at (2, 2)
- Row 3: White stone at (3, 1), Black stone at (3, 2), White stone at (3, 3)
- Row 4: White stone at (4, 1), Black stone at (4, 2), White stone at (4, 3), Black stone at (4, 4)
- Row 5: White stone at (5, 1), Black stone at (5, 2), White stone at (5, 3), Black stone at (5, 4), White stone at (5, 5)
- Row 6: Empty
- Row 7: Empty
- Row 8: Empty
- Row 9: Empty
- Row 10: Empty
- Row 11: Empty
- Row 12: Empty
- Row 13: Empty
- Row 14: Empty
- Row 15: Empty
- Row 16: Empty
- Row 17: Empty
- Row 18: Empty
- Row 19: Empty

The stones represent a sequence of moves where each player captures the other's stones. The stones are placed in a staggered pattern across the board, with each row offset from the previous one.

d. Paterone:

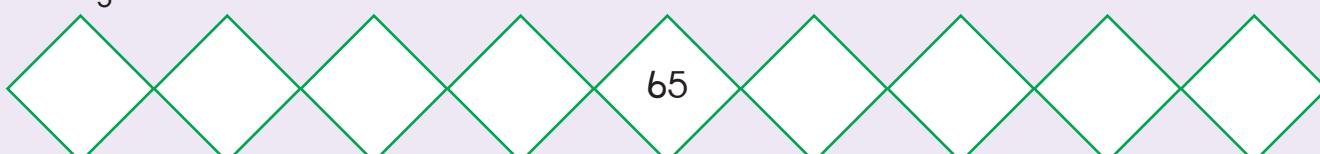


Iketsetse dipaterone

- a. Pateroneng ena ya dipalo, dipalo tsohle di aroleha ka pedi.
Ebe dipalo tse ding e ka ba dife? Di ngole fatshe.



- b. Pateroneng ena ya dipalo, dipalo tsohle ke tse sa aroleheng ka pedi. Ebe dipalo tse ding e ka ba die?
Di ngole atshe.



Di wela kae?



Paterone ya bo 3 le bo 4	Paterone ya bo 3 le bo 5	Paterone ya bo 4 le bo 5
mohl. 48		



Lewatleng

Themb i o bokella dikgetla tse pakeng tsa 60 le 70.
O di bala ka bo 3, o ba le e 1 e salang.
Dinomoro tseo e ka nnang ya eba tsona ke: 61, _____, _____, 70,
Ha a di bala ka bo 5, o sallwa ke 4.
Dinomoro tseo e ka nnang ya eba tsona ke: _____, _____.
Themb i o na le dikhaketla tse kae? _____.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20
||||| ||||| ||||| ||||| |||||

30a

Letsatsi:

Kotara ya!

Ho arola



Arola dipompong:



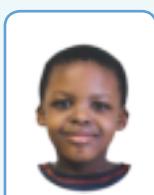
- a. Arolela bana ba 2 dipompong tse 30.



Re ka e ngola e le

$$30 \div 2 = 15$$

- b. Arola dipompong mahareng a bana ba 3.



$$\div =$$

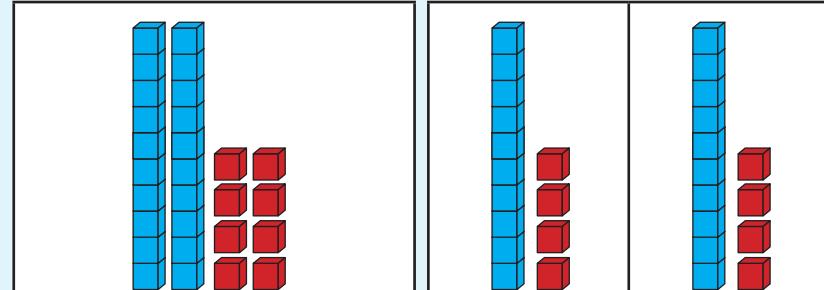
- c. Arolela bana ba 5 dipompong.



$$\div =$$



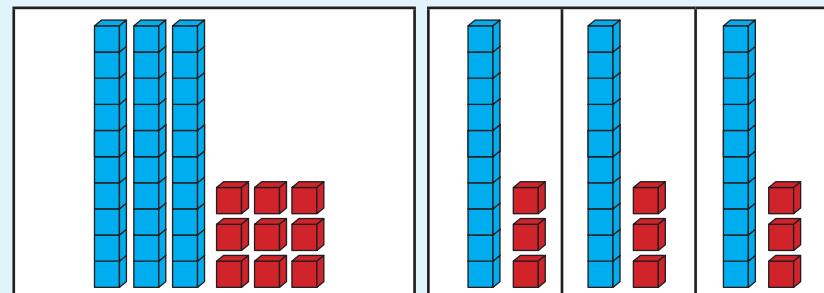
Re ka sebedisa diboloko tsa dipalo ho arola.



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

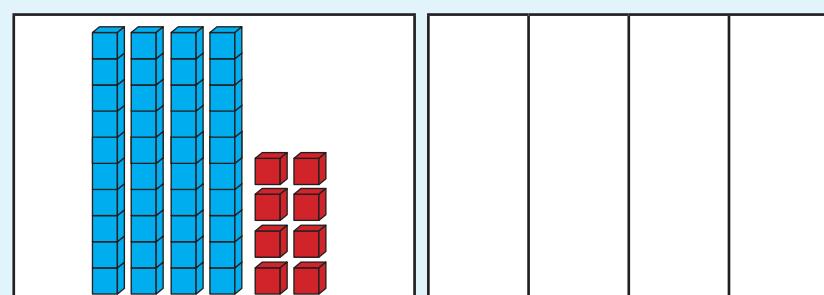
Jwale etsa tsena.

a.



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

b.



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



Teacher:
Sign:
Date:

30b

Letsatsi:

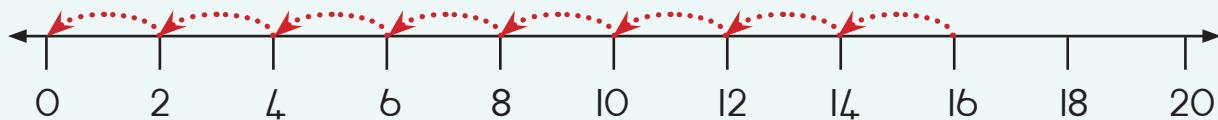
Kotara ya |

Ho arola (e a tswellaq)



Sebedisa melapalo ho ngola dipalo tsa ho tlosa le tsa ho kopanya.

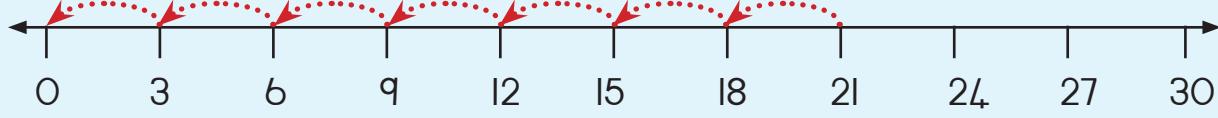
Mohlala:



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

$$16 \div 2 = 8$$

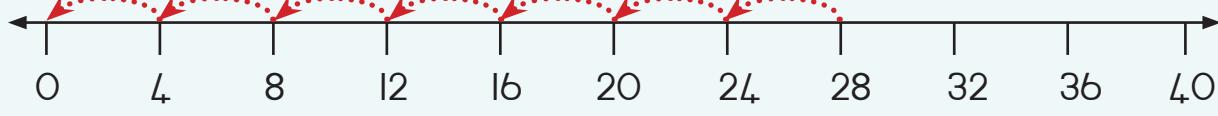
a.



$$21 - \underline{\hspace{2cm}} =$$

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

b.



$$28 - \underline{\hspace{2cm}} =$$

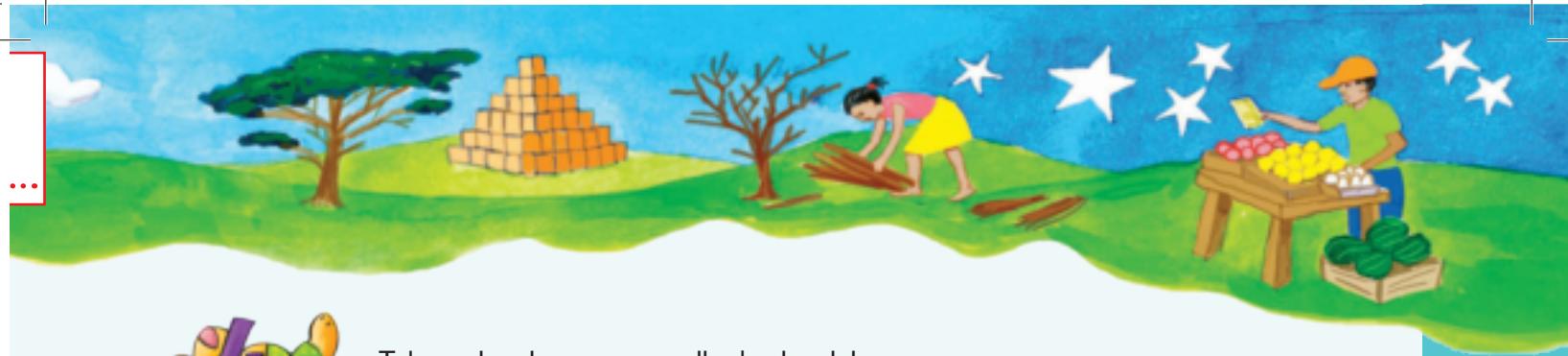
$$\boxed{\quad} \div \boxed{\quad} =$$

c.



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

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



Taka molapalo mme o rarolle dipalopolelo.

a. $30 \div 5 =$



b. $22 \div 2 =$



c. $27 \div 3 =$



d. $32 \div 4 =$



e. $25 \div 5 =$



Phephetso

Bontsha mekgwa yohle eo o ka e
sebedisang ho arolela dihlopha tsa
bana tse fapaneng dipompong tse
24 ka ho lekana.

Ngola palo ya polelo ho bontsha
karabo ya hao.



31

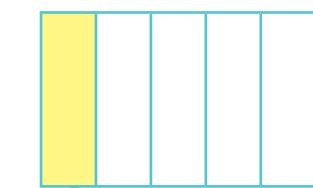
Letsatsi:

Kotara ya |

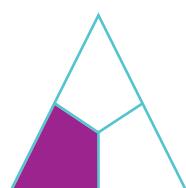


Dikarolwana

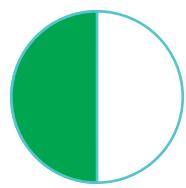
Thala mela ho bapisa seboleho le karolwana.



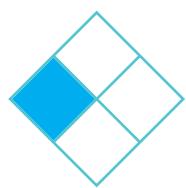
Karolwana
ya boraro $\frac{1}{3}$



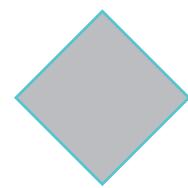
Karolwana
ya bohlano $\frac{1}{5}$



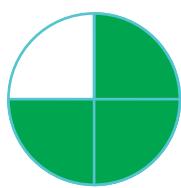
Kotara e le
nngwe $\frac{1}{4}$



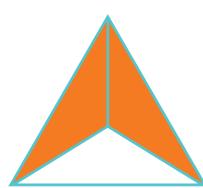
Halofe e
le nngwe $\frac{1}{2}$



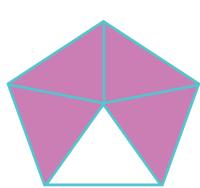
Dikotara
tse tharo $\frac{3}{4}$



Karolwana ya
bone bohlanong $\frac{4}{5}$



E feletseng |



Karolwana ya
bobedi borarong $\frac{2}{3}$

Arola o nto tlotsa ka mmala.

$\frac{1}{2}$

Halofe e le nngwe

$\frac{1}{3}$

Karolwana ya boraro

$\frac{1}{4}$

Kotara e le nngwe

$\frac{1}{5}$

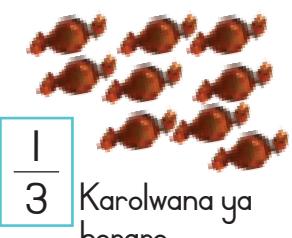
Karolwana ya bohlano

Bontsha karolwana ka ho taka mola nomorong e nepahetseng ya dipompong.



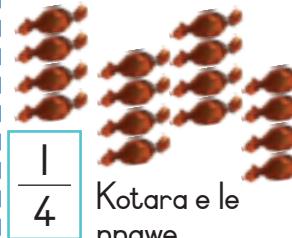
$\frac{1}{2}$

Halofe e le nngwe



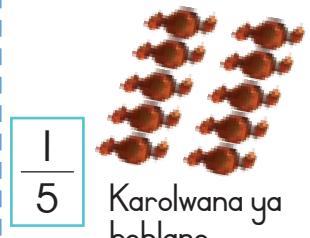
$\frac{1}{3}$

Karolwana ya
boraro



$\frac{1}{4}$

Kotara e le
nngwe



$\frac{1}{5}$

Karolwana ya
bohlano

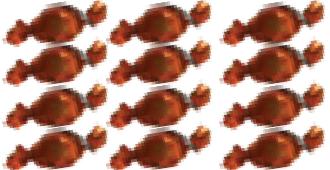
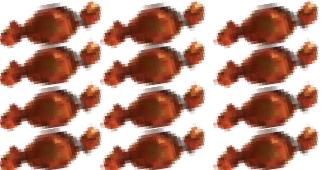


Arolela bana ba babedi dibadi.

 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>				
<ul style="list-style-type: none"> Re fumana dikarolwana tse <u>2</u> motho ka mong. Halofa ya dikhaontara tse <u>4</u>. ke <u>2</u>. 	<ul style="list-style-type: none"> Re fumana dikarolwana tse ___ motho ka mong. ___ ya dibadi tse ___ ke ___. 	<ul style="list-style-type: none"> Re fumana dikarolwana tse ___ motho ka mong. ___ ya dibadi tse ___ ke ___. 	<ul style="list-style-type: none"> Re fumana dikarolwana tse ___ motho ka mong. ___ ya dibadi tse ___ ke ___. 																
$4 \div 2 = 2$	<u> </u> \div <u> </u> = <u> </u>	<u> </u> \div <u> </u> = <u> </u>	<u> </u> \div <u> </u> = <u> </u>																



Arolela bana dipompong.

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<ul style="list-style-type: none"> Kotara dipompong = 3 Pedikotareng dipompong = ___ Tharokotareng dipompong = ___ Nnekotareng dipompong = ___ 	<ul style="list-style-type: none"> Karolo ya boraro dipompong = ___ Pediborarong dipompong = ___ Tharoborarong dipompong = ___ 																					



32

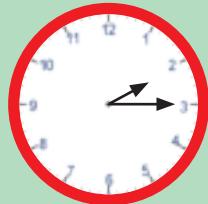
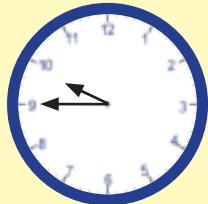
Letsatsi:

Kotara ya |

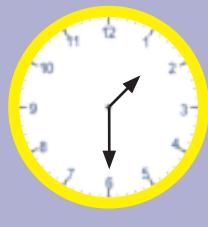
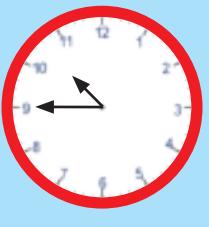
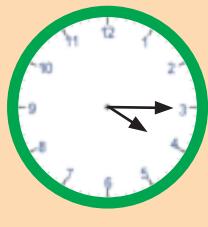


Ho potoloha jwalo ka tshupanako

Re ka ngola nako e le nngwe ka tsela tse fapaneng.

		
2:15 kotara kamora hora ya bobedi.	5:30 halofo kamora hora ya bohlano.	9:45 metsotsos e leshome le metso e mehlano pele ho hora ya leshome

Ngola tse latelang ka ditsela tse fapaneng.



Re ya hae

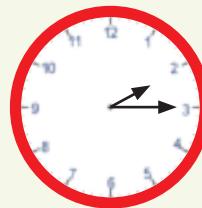
Ben o nka nako e kae ho fihla hae?

metsotsos

dihora



Ben o tloha sekolong.



Ben o fihla hae.



Nako e a fofa

Nako ka bo 2 ...



Ke tse kae ...

metsotsos ka dihora tse 2?

dihora ka matsatsi a 2?

matsatsi ka beke tse 2?

dikgwedi ka dilemo tse 2?



Ke matsatsi a makae?

La 27 Mmesa ke Letsatsi la Tokoloho.

M	L	L	L	L	M	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					

M	L	L	L	L	M	S
					1	2
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		

M	L	L	L	L	M	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. Ho tloha ho Letsatsi la Tokoloho ho ya ho Letsatsi la Batjha ho na le dikgwedi tse _____ kaofela , dibeke tse _____ kaofela le matsatsi a _____.

b. Ke dibeke tse kae kaoela? _____ Ho sala matsatsi a makae? _____. Ke matsatsi a _____? _____.

c. Letsatsi la tswalo la Lebo ke matsatsi a 7 pele ho Letsatsi la Tokoloho.

Letsatsi la tswalo la Musa ke matsatsi a mabedi kamora Letsatsi la Batjha.

Ke mang ya moholwanyane? _____ Ka matsatsi a makae? _____

Lekola. Bapisa.
Lokisa diphoso.



11 12 13 14 15 16 17 18 19 20

33



Letsatsi:

Palo e lebeletsweng ya 200



Ho bala dipalo



Bala mme o bolele dipalo tsohle ho tloha ho 101 ho isa ho 200.

Supa ha o ntse o tswela pele.



Ho ngola dipalo

- a. Ngola palo e siilweng sekwereng se seng le se seng se bolou.
 - b. Ngola dipalo tsohle.
 - c. Ngola dipalo tse 10 tse hlahanq kamora 200.



Ngola dipalo tse siilweng?

b.	87		107	
	167			
			207	
				237



Qetela

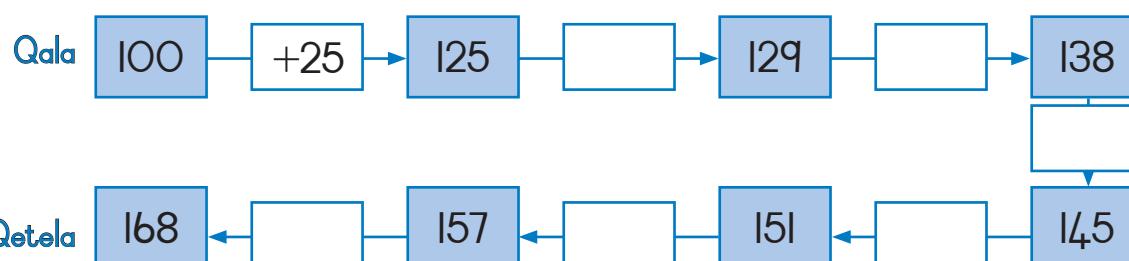
200	+	30	+	5	=	235
200	+	40	+	7	=	_____
200	+	60	+	8	=	_____
	+		+		=	293
	+		+		=	256

Ngola dipalo ka tatelano ho
tloha ho tse nyenyane haholo
ho fihla ho tse kgolo haholo.



Ho bala ho tloha ho 100

Sebetsa hore o hloka eng ho fumana palo e latelang.



34

Letsatsi:

Kotara ya 2



Ho sebetsa ka dihlopha tsa dipalo

Ho pakela dikerese

MaNkosi o sebetsa faboriking ya dikerese.
Ha dikerese di se di lokile, o di paka ka mokgwa o kang ona ka diterei hodima diraka.



Ke dikerese tse kae ka hara lebokose le le leng? _____

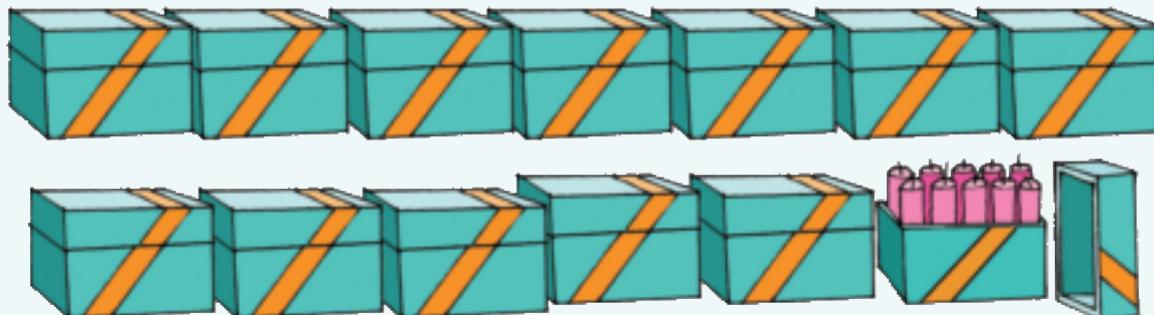
Ke mabokose a makae rakeng ka nngwe? _____

Ho na le dikerese tse kae rakeng e nngwe le e nngwe? _____



Mabokose a dikerese

MaNkosi o kwahela a mang a mabokose.



- a. Bala mabokose kaofela.

A makae? _____

Dikerese di kae kaofela? _____

O hloka ho tlatsa mabokose a makae hape hore a be le dikerese tse 200? _____

- b. Ke dikerese tse kae ka hara ...

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

- c. O hloka mabokose a makae hore a:

40 _____ mabokose	70 _____ mabokose
50 _____ mabokose	30 _____ mabokose



35a

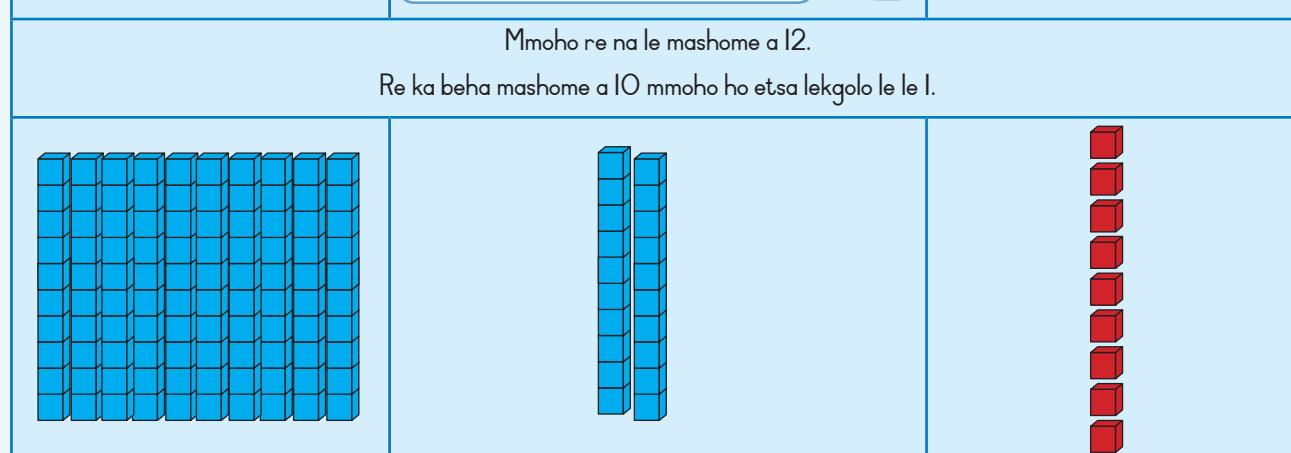
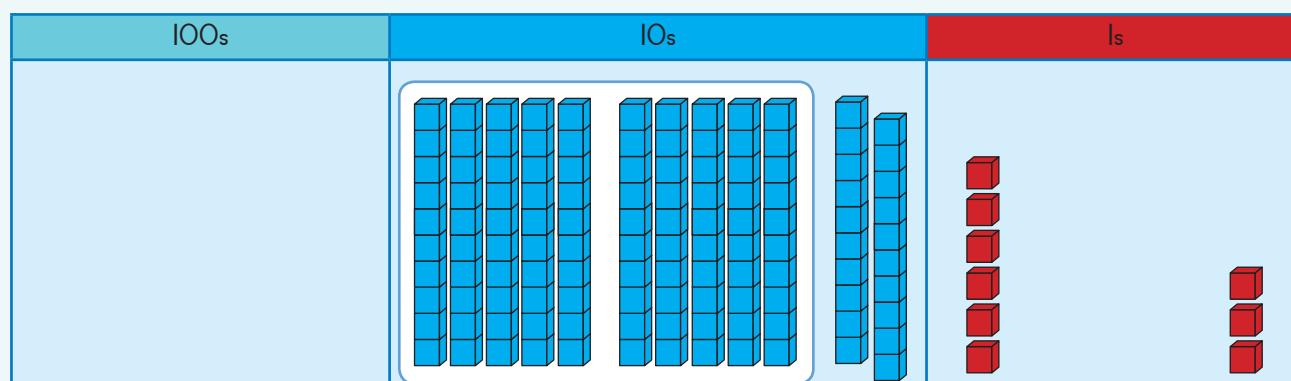
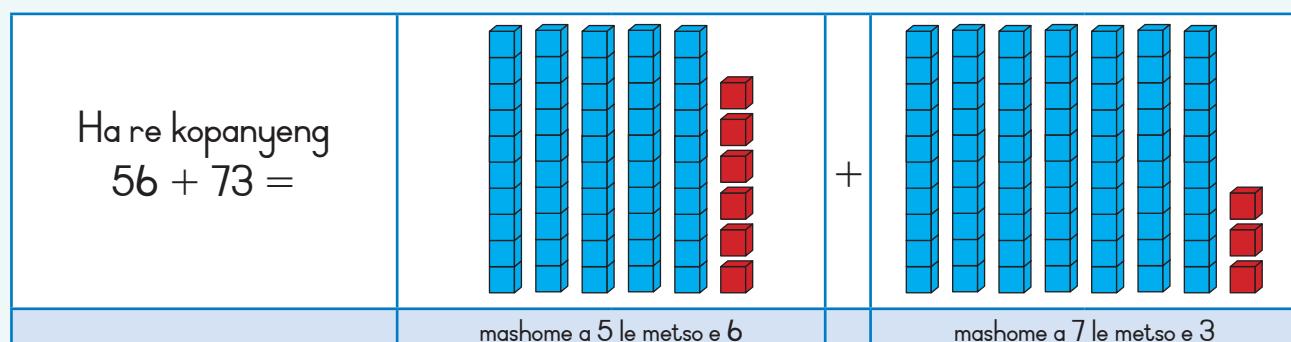
Letsatsi:

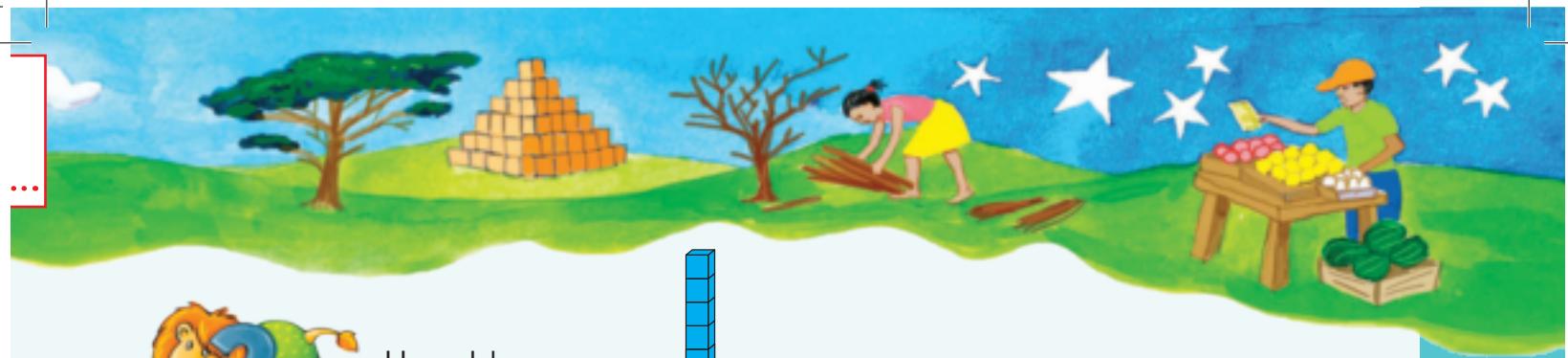
Kotara ya 2

Ho beha mashome mmoho le ho a arohanya

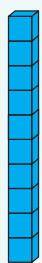


Ho beha mashome mmoho ha re kopanya ho fihlela ho 999





Ha re leke.



= na

=

Mohlala: $82 + 34$

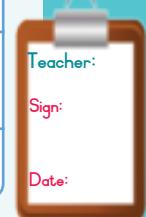


$100 + 20 + 6 = 126$

a. $65 + 52$

b. $76 + 63$

c. $86 + 65$

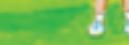


11 12 13 14 15 16 17 18 19 20
| | | | | | | | | | | | | | | | | | | | | |

35b

Letsatsi:

Kotara ya 2



Ho beha mashome mmoho le ho a arohanya (e a tswella)

Beha dihlopha mmoho

Sebedisa diboloko tsa hao tsa boleng ba tulo.

Sebedisa diboloko tsa boleng ba tulo ho etsa dipalo tse pedi tsena.	Ke mashome a makae? Ke metso e mekae?	O hlophisitse mashome kapa metso? Lekola boleng ba tulo moo o hlophisitseng hape.	Ngola palo.
23 + 99 =	mashome a _____ metso e _____	mashome a 11 + lesome le 12 = 110 + 12	122
38 + 25 =	mashome a _____ metso e _____		
77 + 31 =	mashome a _____ metso e _____		
68 + 45 =	mashome a _____ metso e _____		
83 + 47 =	mashome a _____ metso e _____		



Ho kgaoanya mashome ha re tlosa

Ha re tlosa, ka nako e nngwe re hloka ho bontsha lesome le le leng jwalo ka metso e
lesome, kapa lekgolo le le leng jwalo ka mashome a 10.

Ha re tlloseng: **60 - 55 =**

Re qala ka botshelela ba lesome ba se nang motso. Re batla ho tlosa boleshome ba bahlano ba nang
le motso o le mong (bo nngwe bao re ba tlosang ba tlotsitswe ka mmala o moputswa)

Re ka nna ra re boleshome ba tshellela ka mokgwa ona.	Kapa boleshome ba bahlano le diyuniti tse lesome	Tlosa boleshome ba bahlano le diyuniti tse hlano. Ho sala bonngwe ba bahlano	60 - 55 = 5



A re lekeng.

a. $70 - 28$

mashome a 7	mashome a 6 le metso e 10	$70 - 28 =$	

b. $90 - 46$

c. $80 - 53$



Ho fumana dipalo tse etsang para e le nngwe

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	



36

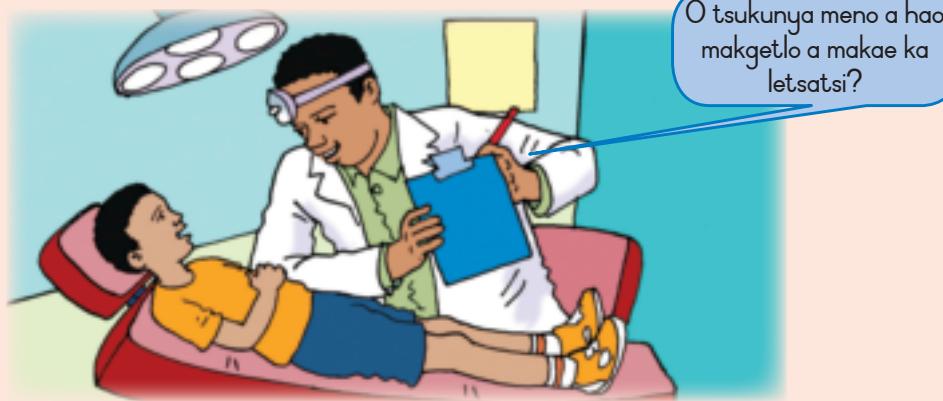
Letsatsi:

Kotara ya 2



Ho etela ngaka ya meno

Sehlopha sa bana se etela ngaka ya meno.



Sena ke seo bana ba mmolellang sona. = ha |

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

a. Bala matshwao (✓) mme o ngole dipalo.

 Hang ka letsatsi	
 Habedi ka letsatsi	
 Hararo ka letsatsi	

b. O ka bona eng o le tafoleng?

Boholo ba bana bo tsukunya ha _____ ka letsatsi.

Ho na le bana ba _____ sehlopheng.



Taka setshwantsho se bontshang hore bana ba hlatswa meno makgetlo a makae ka letsatsi



= Hang ka letsatsi



Etsa phuputso ka phaposing. Botsa baithuti ba 15 – 20.

- Ba hlatswa meno a bona makgetlo a makae? _____
- Etsa setshwantsho se kang se ka hodimo ho bontsha seo o se fumaneng.



37a

Letsatsi:

Kotara ya 2

Kopanya o behe mmoho



Ho Ngola palo

Busi o kgona ho kopanya mashome le metso. O boela a hlophisa hape.

O kgona ho kopanya le ho tlosa hodima pampiri, ntle le diboloko.

Ka nako e nngwe o rata ho qala ka dikarete tsa hae tsa dipalo ho bontsha dipalo.

Ka hoo bakeng sa palo $56 + 73$, o fumana dikarete tsena:

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

O kopanya bo- I mme a behe dikarete tse q.

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

O nka makgola le dikarete tsa 20 le ya q.

ho etsa palo ya didijiti tsa 3.

q

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

O kopanya ka mokgwa ona:

$$\begin{aligned} 50 + 70 + 6 + 3 \\ = 50 + 70 + 9 \\ = 120 + 9 \\ = 100 + 20 + 9 \\ = 129 \end{aligned}$$



Dumi o tseba ka moo diboloko di sebetsang.

O sebetsa $56 + 73$ ka mokgwa ona:

$$\begin{array}{r} 50 + 6 + 70 + 3 \\ \swarrow \quad \searrow \\ 120 + 9 \\ = 129 \end{array}$$



Aakar o rata ho atametsa palo.

O etsa ena ka mokgwa ona:

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





Jwale leka ena. Etsa e le nngwe ka mekgwa e fapaneng.

a. $86 + 62$

Mokgwa o sebediswang ke Busi

$$80 + 60 + 6 + 2$$



Mokgwa o sebediswang ke Dumi

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



b. $72 + 63$

c. $81 + 57$

d. $68 + 71$

Sebedisa mokgwa o sebediswang ke Aakar ho
sebetsa ena.



37b

Letsatsi:

Kotara ya 2



Kopanya o behe mmoho (e a tswella)

Jwale ha re tlōseng.

a. $87 - 53$

Mokgwa o sebediswang ke Busi

$$\begin{aligned}80 - 50 + 7 - 3 \\= 30 + 4 \\= 34\end{aligned}$$



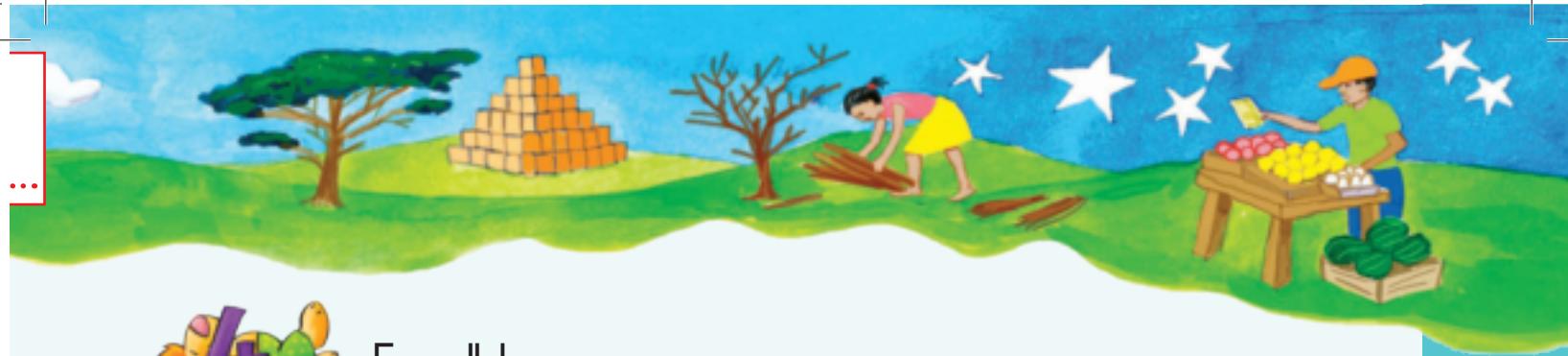
Mokgwa o sebediswang ke Dumi

$$\begin{aligned}80 + 7 - 50 + 3 \\= 30 + 4 \\= 34\end{aligned}$$

b. $95 - 73$

c. $86 - 62$

d. $85 - 69$



E rarolle!

Ho na le mekgwa e mengatanyana ya ho kopanya **diyuniti** le **mashome** mmoho. Kgetha mokgwa oo o o tsebang oo o ratang ho o sebedisa ho rarolla mathata ana. Bontsha mosebetsi wa hao.

- a. Peter o qala pele ka ho kga diperekisi tse 34 hamorao a kge tse 67.

Ke diperekisi tse kae kaofela?



- b. Bana ba Malusi ba boloka R47 kaofela. Mme wa bona o ba fa R 58 e nngwe hape.

Ba se ba na le bokae jwale?

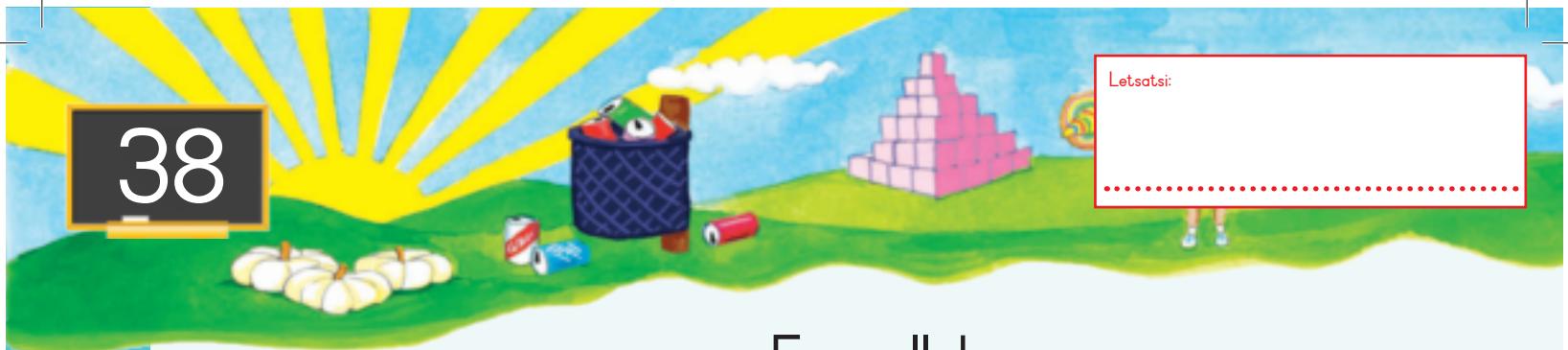


- c. Bese ya sekolo e tsamaya dikhilomitha tse 88 hoseng le dikhilomitha tse 73 mantsiboya.

Ke dikhilomitha tse kae kaofela?



38



Letsatsi:

.....

E rarolle!



Dikwahelwana tsa dibotlolo

Sebedisa mokgwa leha e le ofe o o ratang.
Bontsha mosebetsi wa hao.



Sipho



Andile

Sipho o bala dikwahelwana tsa dibotlolo tse 87. Andile o bala tse 38.

Sipho o bala dikwahelo tse kae tsa botlolo ho feta Andile?



Konsarete ya sekolo



Musa



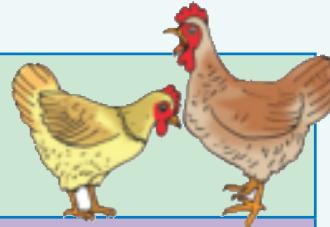
Musa o rekisa ditekete. O na le ditekete tse 92 tseo a qalang ka tsona. O na le tse 67 tse setseng. Musa o se a rekisitse ditekete tse kae ho fihla ha jwale?



Boikwetliso bo bong



Ho na le dikgoho tse 69 paneng e le nngwe le
tse 95 ho e nngwe. Ho na le dikgoho tse kae kaofela?
Bala kamoo Gugu le Aakar ba rarolotseng qaka ka teng.



Tsela ya Gugu

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



Tsela ya Aakar

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

Na o a tseba hore ke
hobaneng ha a tlosa?



- a. Bashemane ba bokella R96 bakeng sa leeto la baithuti bohole. Banana ba bokella R79. Ba bokelletse bokae kaofela?

Sebedisa tsela ya Gugu

Sebedisa tsela ya Aakar

- b. Sekolo se le seng se bokella 76 kg ya dikotokoti. Sekolo se seng se bokella 68 kg ya dikotikoti. Ke kg tse kae tsa dikotikoti tse bokeletsweng ke dikolo tse pedi?

Sebedisa tsela ya Gugu

Sebedisa tsela ya Aakar



Teacher:
Sign:
Date:

39

Letsatsi:

Kotara ya 2

Bala mme o rarolle



Fumana dikarolo

Ngola dipalo tse silweng.

a.

100	
	27

b.

100	
39	

c.

100	
43	

d.

100	
56	

e.

200	
140	

f.

200	
	110

g.

200	
135	

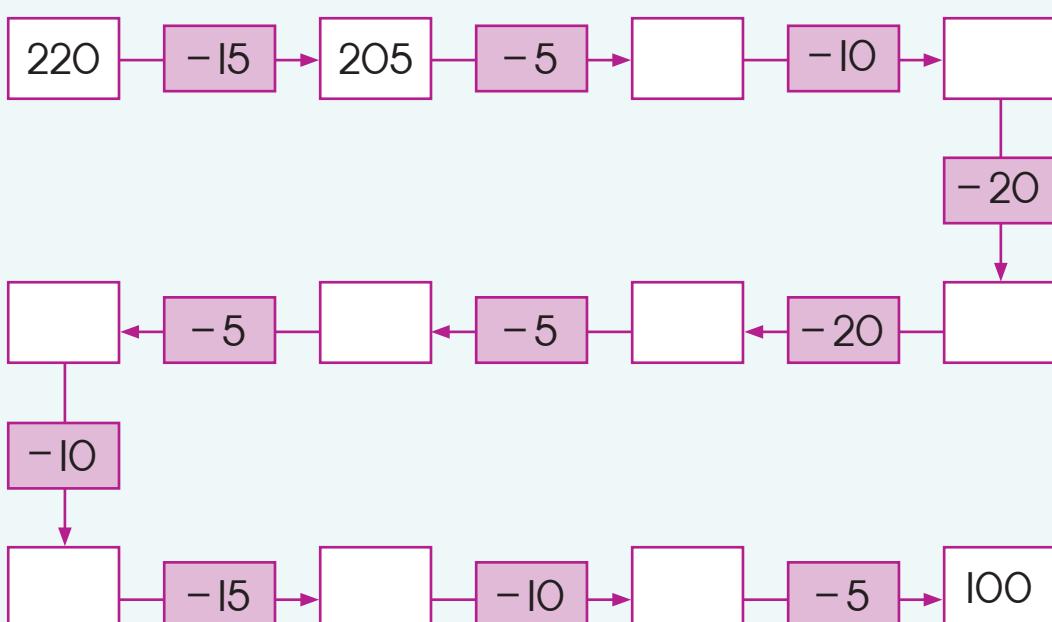
h.

200	
	120



Ho tlosa o boela morao ho
tloha ho 220 ho ya ho 100.

Tlosa dipalo tse ka lebokoseng le lepinki nako e nngwe le e nngwe.



Ona ke mokgwa
wa ho lekola
dikarabo tsa hao!

Qala ho 100!
Sebetsa o kgutlela
morao ho 220.

Empa kgetlong
lena, o kopanye
dipalo!



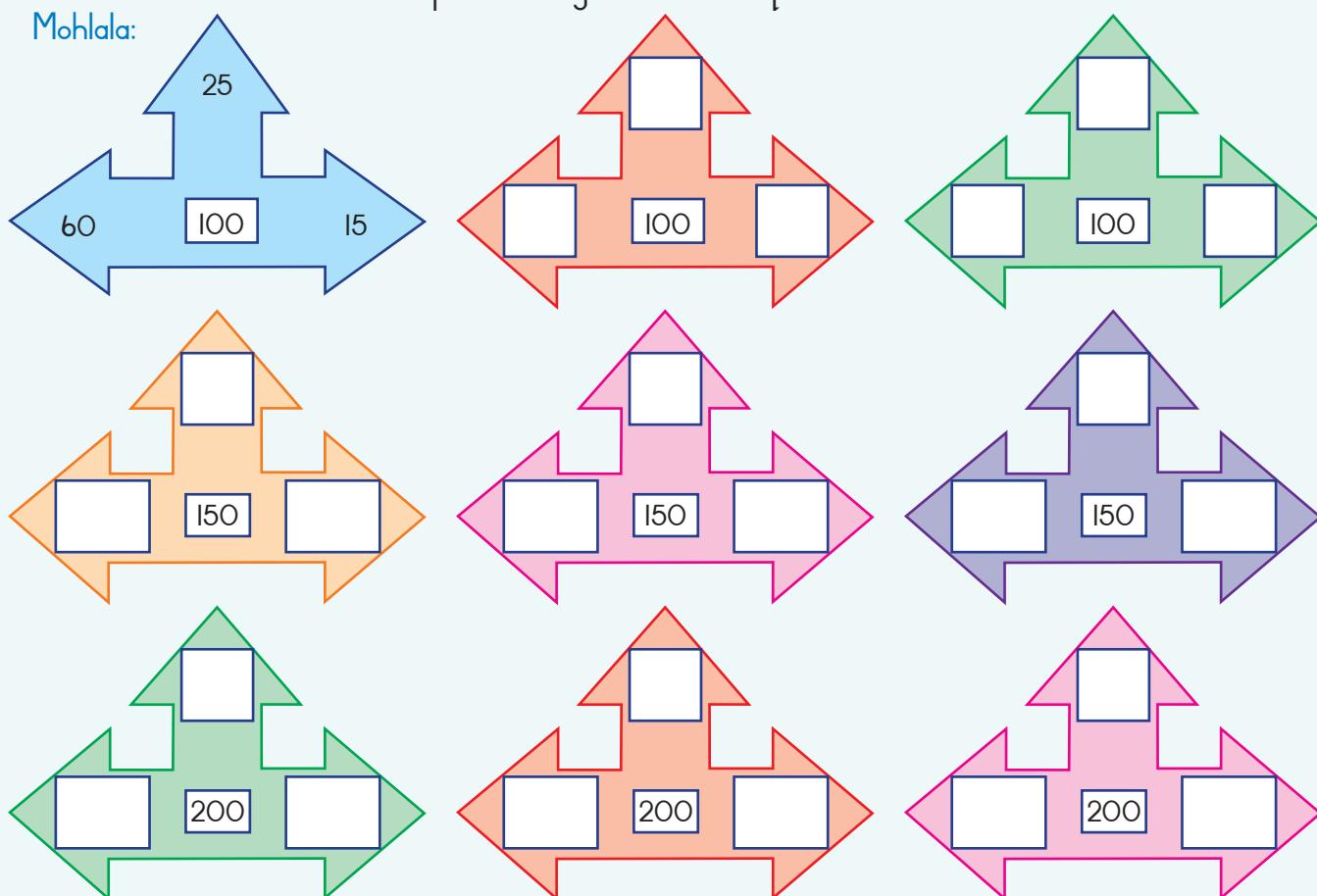
Maloko a tharo



Fumana dipalo tse 3 tseo ha o di kopanya di o nehang palo e lebeletsweng.

Molao wa hore ke palo e le nngwe feela e tla qetella ka O.

Mohlala:



50 ho feta le 50 ka tlase



Ngola dikarabo moleng wa bo 2.

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



40

Letsatsi:

Kotara ya 2



Ho lekanya ka disentimitha



Sentimitha e boholo bo bokae?



Dipalo tse hodima rula di emetse **disentimitha**.

Re sebedisa kgutsufatso kapa letshwao la **cm**.

Ha o sebedisa rula, o lokela ho qala ho lekanya ho tloha ho O.

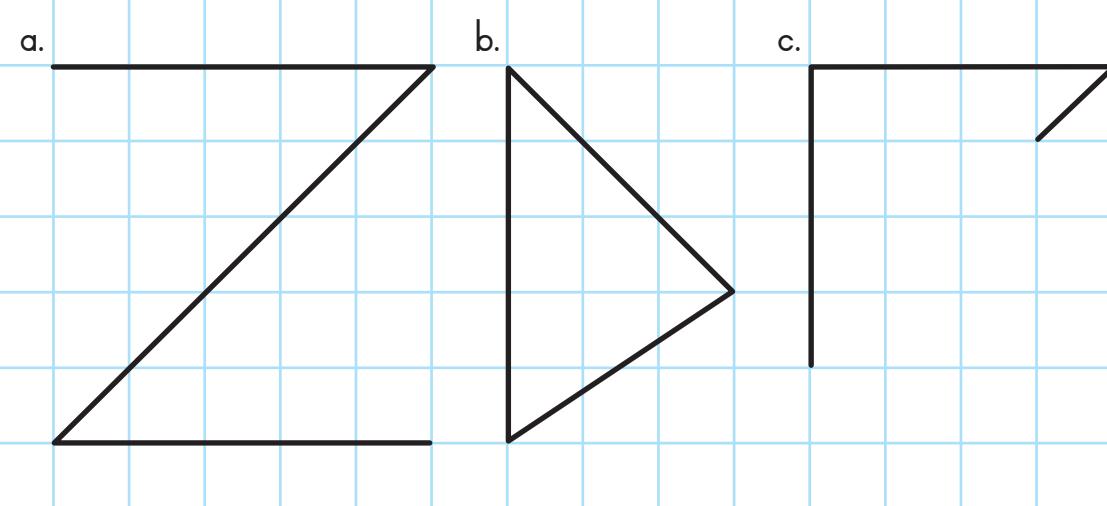
Dirula tse ding ha di bontshe O jwalo ka ena e leng leqepheng lena.

Fumana noto ruleng. Ngola O hodima rula.

10 cm e hokae ruleng ena? Ngola 10 moo.



Akanya mme ka rula ya hao o methe ka nepo, thouthale ya bolelele ba mela en aka di cm.



a. Lekanyetsa	<input type="text"/>	cm	b. Lekanyetsa	<input type="text"/>	cm	c. Lekanyetsa	<input type="text"/>	cm
Metha	<input type="text"/>	cm	Metha	<input type="text"/>	cm	Metha	<input type="text"/>	cm



Mola ka mong o molelele bo bokae?

Mola ka mong o bolelele ba cm tse kae?

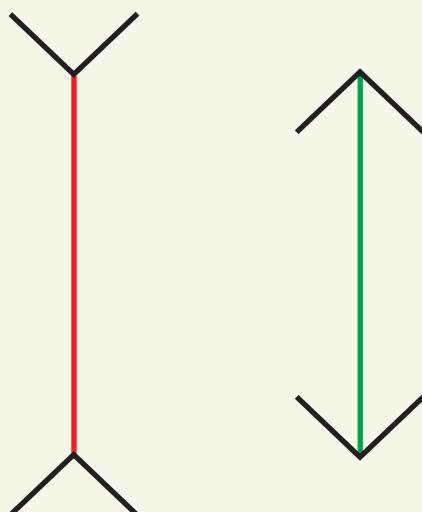
a.	—	<input type="text"/> cm	d.		<input type="text"/> cm
b.	—	<input type="text"/> cm	e.	—	<input type="text"/> cm
c.	—	<input type="text"/> cm	f.	—	<input type="text"/> cm



O na le bonnete?

Ke ofe o moleletsana, ke mola o moubedu kapa o motala?

O ka lekola jwang?



Hona ke hoo re ho bitsang thetso ya tjhebo ka leihlo. E etsahala ha mahlo a hao a qhekanyeditswe ho bona ntho e seng teng. Mela e mmedi e na le bolelele bo lekanang. Mela e metsho e tswelang kantle e etsa mola o mofubedu o shebahale eka o molelele mme mela e metsho e kenellang kahare e etsa mola o motala o shebahale e ka o mokgutshwane.



41



Letsatsi:

Kotara ya 2

Palo e lebeletsweng ya 300



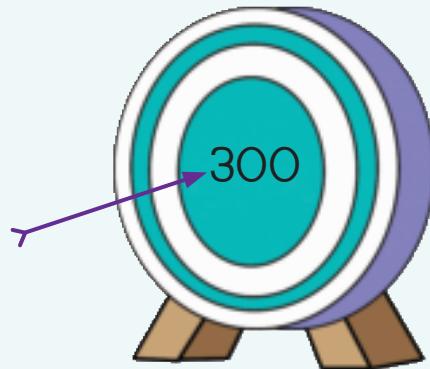
Bala le ho ngola bo 200

Bala ho tloha ho 201 ho isa ho 300.

Supa ha o ntse o tswela pele.

Jwale tlatsa dipalo tse bolou pele.

Ngola dipalo tse ding kaofela.

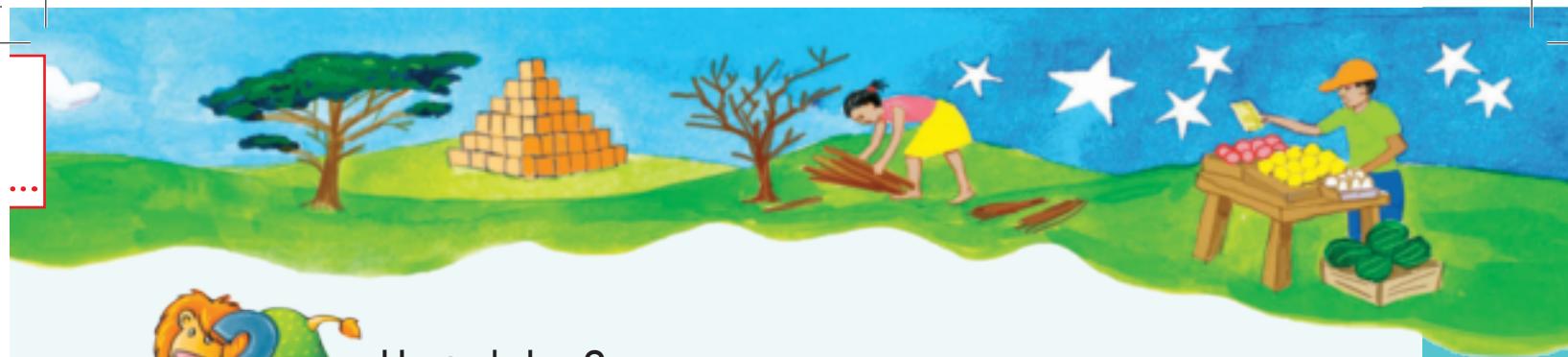


201						207			210
211									
221									
231									
									249
					254				
						265			
								273	
281									280
									298
									300



Ngola dipalo tse 10 tse latelang kamora 300.

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



Ho etsahalang?

30I

28I

I7I

2II

I0I



Ho bontsha le ho bapisa

a. Ngola dipalo tse nyamelang kareteng e nngwe le e nngwe.

298;

208;

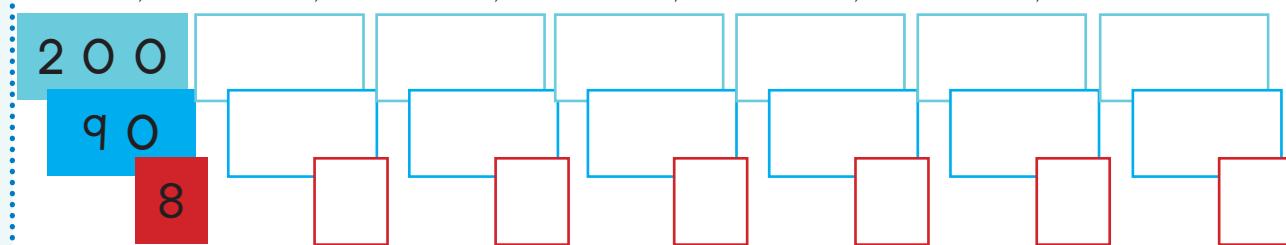
30I;

276;

227;

269;

3II



b. Ngola dipalo ka tatelano ho tloha ho tse nyane haholo ho ya ho tse kgolo haholo.

_____ ; _____ ; _____ ; _____ ; _____ ; _____



Ngola dipalo tse siilweng.

Qala



Qetela



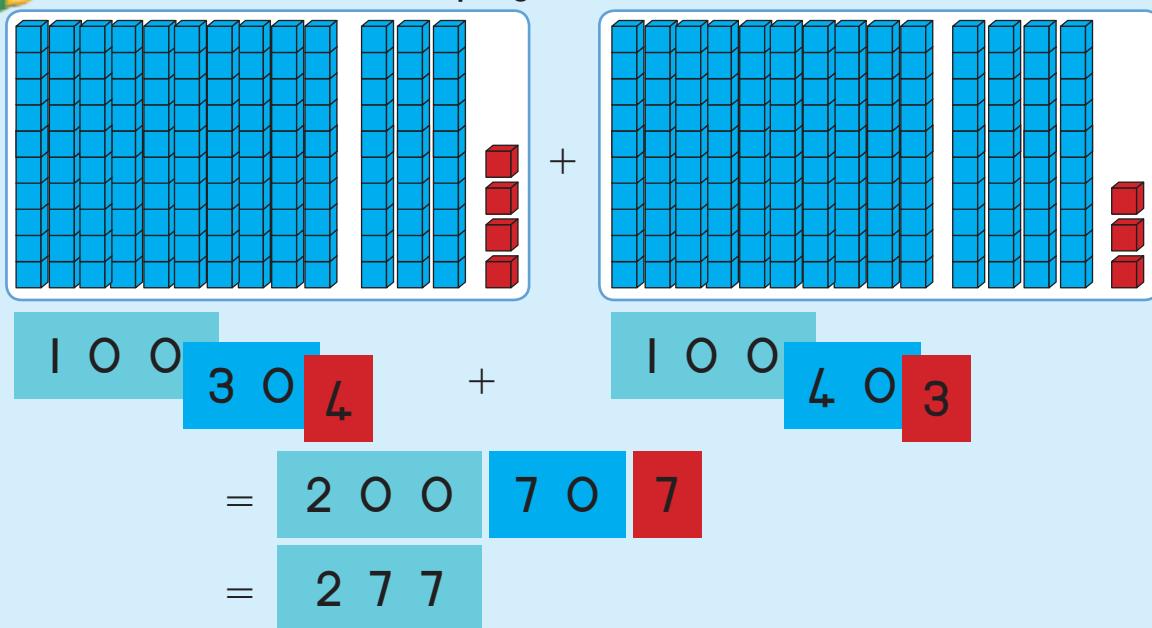
42



Kotara ya 2

Ho kopanya le ho tlosa ka 100

Letsatsi:



Latela mekgwa e mmedi. Bontsha karabo e nngwe le e nngwe ka mekgwa e mmedi.

a. $132 + 123$

Mokgwa o sebediswang ke Busi

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



Mokgwa o sebediswang ke Dumi

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



b. $114 + 162$



c. $276 + 148$



Sheba mokgwa
ona mme o tlose.



a. $158 - 146$

Mokgwa o sebediswang ke Busi

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

b. $194 - 122$

c. $288 - 199$



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

qq

43

Letsatsi:

Kotara ya 2

Palo e lebeletsweng 400

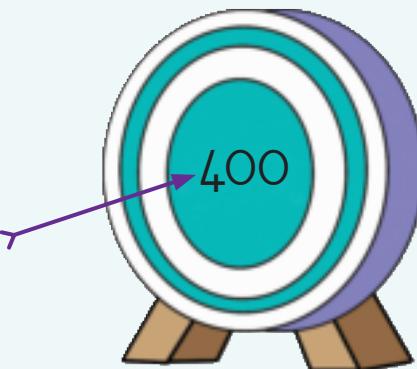


Ho bala le ho ngola 400

Bala ho tloha ho 300 ho fihla ho 400.

Bitsa dipalo ha o ntse o di bala.

Ngola dipalo tse siilweng hodima papetla.



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



Ngola dipalo tse 9 tse tla latela ka mora 400.

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

100

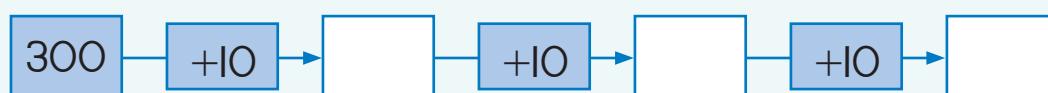
1 2 3 4 5 6 7 8 9 10



Tjhentjhe ke bokae?

a. Bala o ya pele ho tloha ho 300.

Qala



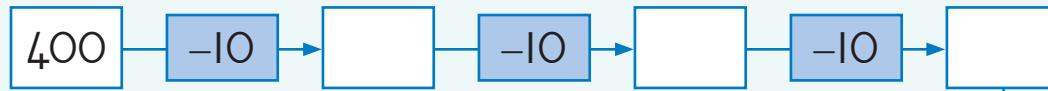
+10

Qetela



b. Balla morao ka leshome ho tloha ho 400.

Qala



-10



-10



Qetela



E ngole e le palo e le nngwe.

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

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

$300 + 50 + 3 = \underline{\hspace{2cm}}$

$300 + 70 + 7 = \underline{\hspace{2cm}}$

$300 + 60 + 2 = \underline{\hspace{2cm}}$

$300 + 90 + 9 = \underline{\hspace{2cm}}$

$300 + 80 + 1 = \underline{\hspace{2cm}}$

$300 + 40 + 8 = \underline{\hspace{2cm}}$

Ngola dipalo ka tatelano ho tloha ho tse nyane haholo ho fihla ho tse kgolo haholo.

 , , , , , , , ,



44

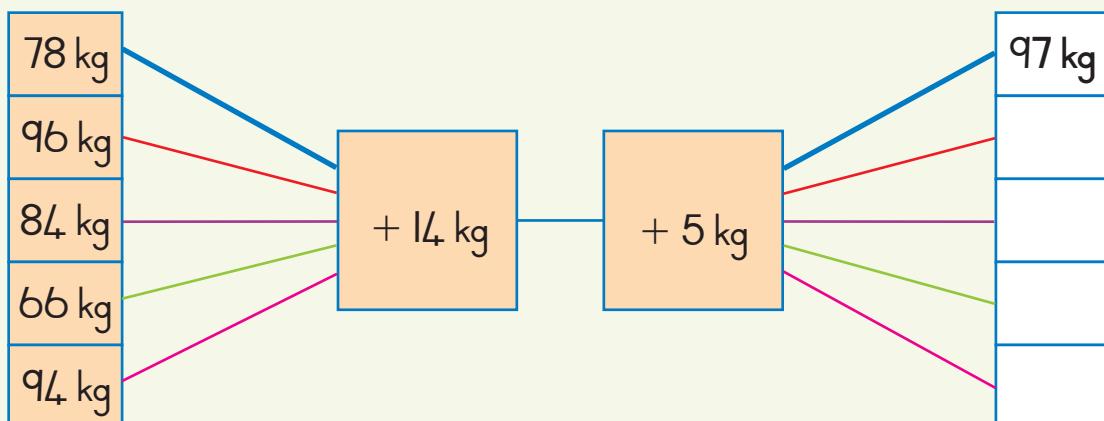
Letsatsi:

Kotara ya 2



Tlatsa dikolokramo tse itseng

Kopanya mme o ngole dikarabo.



Atametsa haufi mme o kopanye!

Nahana ka bohlale!

Phokjwe 25 kg	Kgudu 98 kg	Tshwene 59 kg	Ngwana wa qwaha 88 kg	Nonyana ya metsing 9 kg

Tlisa boima ba phoofolo ka nngwe ho atamela 10 kg.

Ngola boima ba phoofolo e nngwe le e nngwe ka tatelano ho tloha ho tse bobebé ho isa ho tse boima.

Lekanya palo ya boima kaofela ba diphoofolo tse 5.



Kopanya boima ba tsona



Mehato

Nka nna ka se be boima jwalo ka wena,
Kgudu e hodileng, empa ke lebelo ho o feta!



- Sebedisa boima boo o bo atameditseng.
- Lekanya boima ba diphoofolo moleng o mong le o mong.
- Sebetsa palo yohle.
- Bapisa dikarabo tse pedi mme o ngole phapang.

	Lekanyetsa	Ke sebetsa palo	Phapang
+			
+ +			
+ +			



Boima ba Vusi

Lekola. Bapisa. Lokisa diphoso.

Vusi o kopanya boima ba hae le boima ba le ba

Kakaretso ya boima ba bona ke **239 kg**. Vusi o boima bo bokae? Bontsha karabo ya hao.

--	--



Boima ba ka ke bokae?

Bapalang le le sehlopha. Fapanyet sanang ...

Kopanya boima ba hao le boima ba diphooolo tse ding. Sebetsa karabo. Bolella sehlopha karabo. O se ke wa ba bontsha mosebetsi wa hao! Ba lokela hore ba leke ho fumana boima ba hao.



45



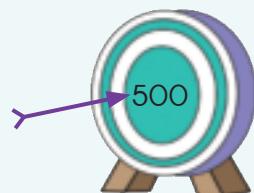
Letsatsi:

Kotara ya 2



Bala o ngole!

								400
401				405				410
411								420
	422				427			
		434						
			446					
					458			
462							470	
	473				477			
481							490	
							499	500



a. Bala o tswela pele ho tlaha ho 400. Bitsa dipalo ha o ntse o tswella.

b. Ngola dipalo tse siilweng hodima kiri.

c. Ngola dipalo tse 9 kamora 500.

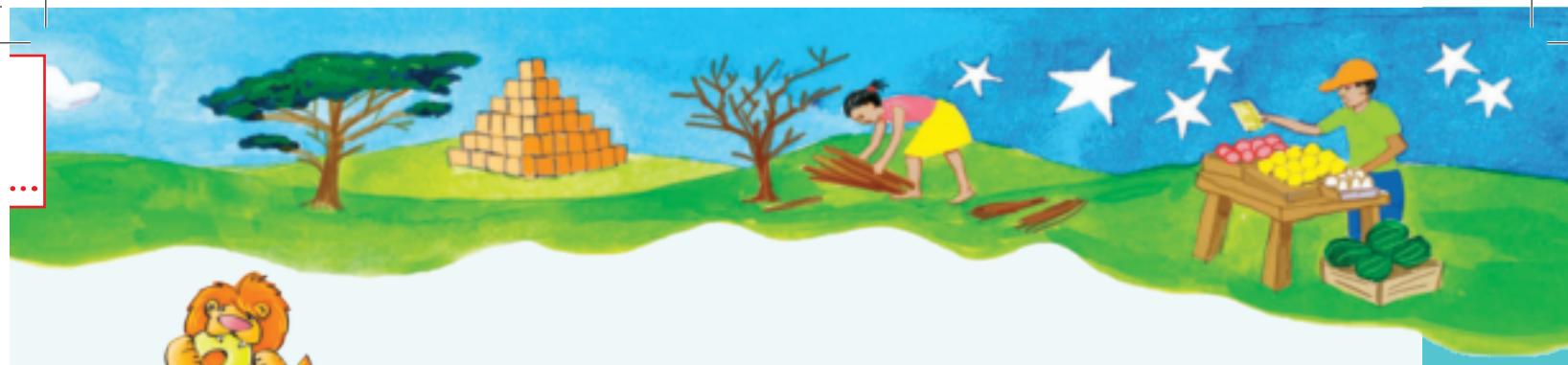
500; _____; _____; _____; _____; _____; _____; _____; _____; _____

d. Bala ka bo 2. Ngola dipalo tse 8 tse latelang pateroneng ya bo 2.

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

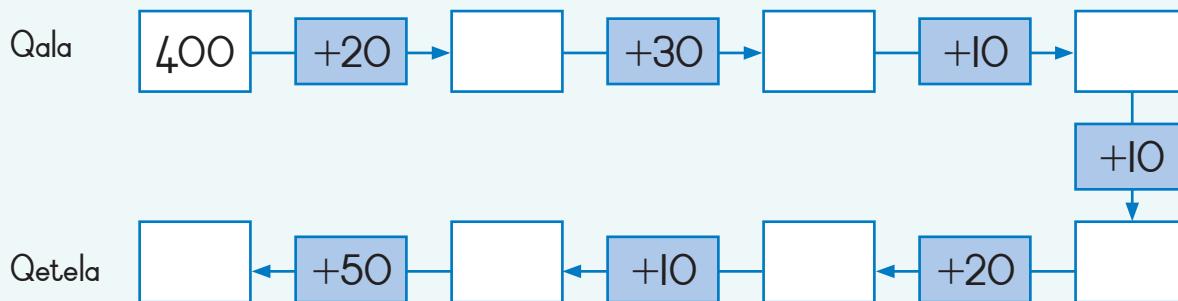
e. Bala ka bo 5. Ngola dipalo tse 8 tse latelang pateroneng ya bo 5.

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

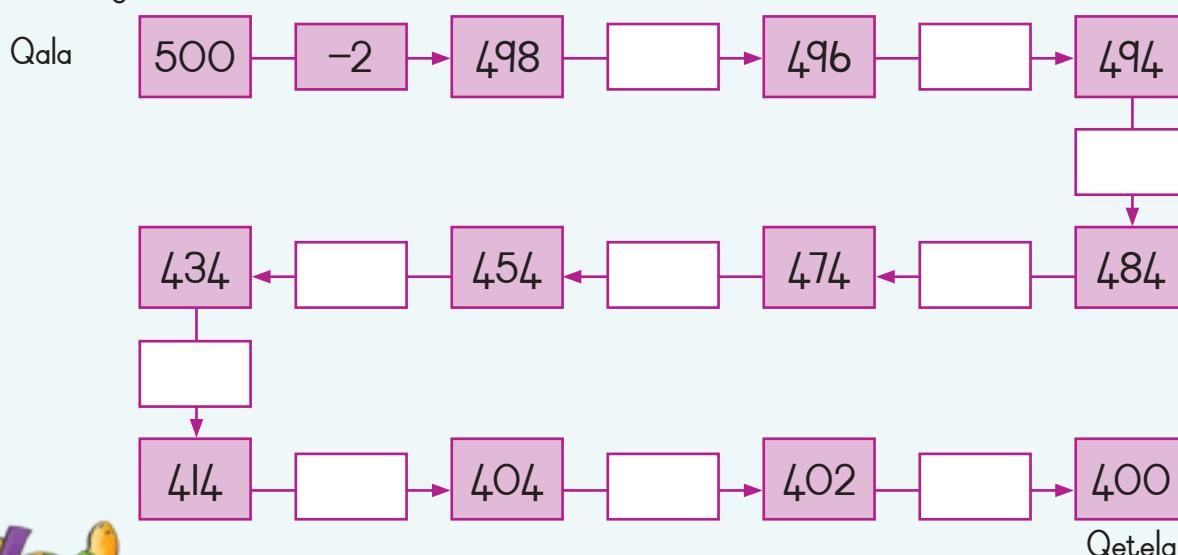


Tlatsha dinomoro tse siilweng.

- a. Bala o kgutlela morao ho tloha ho 400.



- b. Bala o kgutlela morao ho tloha ho 500.



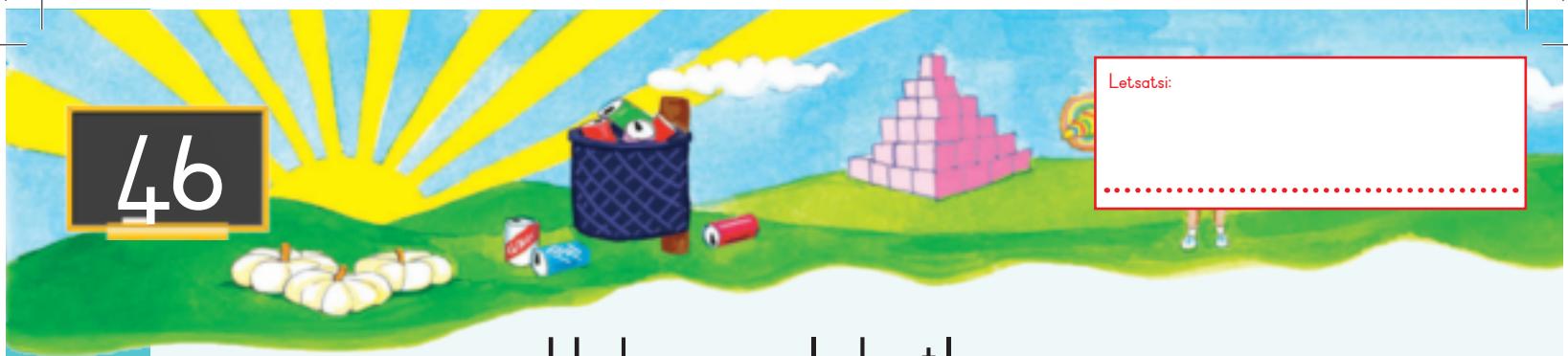
Bontsha dipalo. Latela mohlala

Fumana palo yohle. Sebedisa dikarete tsa dipalo ho bontsha palo e nngwe le e nngwe e feletseng.

$405 + 10$	415	$400 + 10 + 5$	$398 + 10$		
$446 + 10$			$424 + 10$		
$455 + 10$			$460 + 20$		



46



Letsatsi:

Kotara ya 2

Ho kopanya le ho tlosa

O hlokoma eng?

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

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

$$489$$



Re tlilo sebedisa mekgwa e sebediswang ke Busi le Dumi hape bakeng sa ho kopanya.

a. $245 + 231$



Mokgwa o sebediswang ke Busi

$$\begin{aligned} &= 200 + 200 + 40 + 30 + 5 + 1 \\ &= 400 + 70 + 6 \\ &= 476 \end{aligned}$$



Mokgwa o sebediswang ke Dumi

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

b. $278 + 136$

c. $265 + 148$



Re tlilo sebedisa mekgwa e sebediswang ke Busi le Dumi hape
bakeng sa ho tlosa.

a. $476 - 324$

Mokgwa o sebediswang ke Busi

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



Mokgwa o sebediswang ke Dumi

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

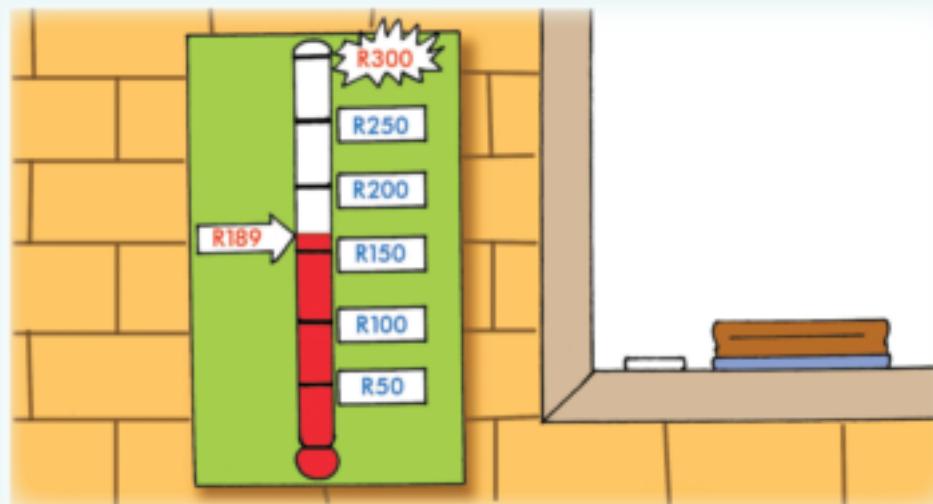


b. $489 - 456$

c. $482 - 161$



Ho fihlella palo e
lebeletsweng



Ithute setshwantsho sena.

Ho hlokeha tse kae hape ho fihlella palo e lebeletsweng?

R



Teacher:

Sign:

Date:

47

Letsatsi:



Ntjhafatsa kelello

Thaba ya sephiri

Lebitso la thaba e phahameng ka ho fetisa Gauteng ke lefe? Sebedisa khoutu ho e fumana. Nyalanya karabo ka nngwe e tafoleng le tlhaku e 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

Lesedi la nomoro	Karabo	Tlhaku
Mohlala: $2 \times 3 \times 3 \times 1 = \square$	I8	R
$50 + 50 + 50 + 100 - 200 - 45 = \square$	S	E
$1 + 2 + 7 + 10 + 7 + 1 - I4 = \square$		
$60 - 30 + 50 + 20 - 50 - I5 - 20 = \square$		
$3 + 2 + 7 + 1 + 2 + 1 + 3 = \square$		
$5 + 3 + 30 = 4 + 2 + I2 + \square$		
$100 - 5 - 70 = 20 + \square$		
$36 + 44 - 60 - 2 = \square$		
$IO + I5 = I4 + \square$		
$2 + 1 + I4 + q + I4 = 25 + \square$		
$I \times 2 \times 2 \times 2 \times 2 = \square$		

Lebitso la thaba ke:



Sheba! Nahana, mme o arabe!

○ * ⚡ ⚡ ○ ○ * ⚡ ⚡ ○ ○ * ⚡ ⚡ ○
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

- a.
- Palo ya 16 e tla ba sebopehong sefe? Tshwaya (✓) e nepahetseng. * ○ ⚡
Palo ya 18 e tla ba sebopehong sefe? Tshwaya (✓) e nepahetseng. * ○ ⚡
Palo ya 20 e tla ba sebopehong sefe? Tshwaya (✓) e nepahetseng. * ○ ⚡

- b.
- Palo ya 50 e tla ba *. E kapa Tjhe?
- Palo ya 100 e tla ba ○. E kapa Tjhe?
- Palo ya 28 e tla ba ⚡. E kapa Tjhe?

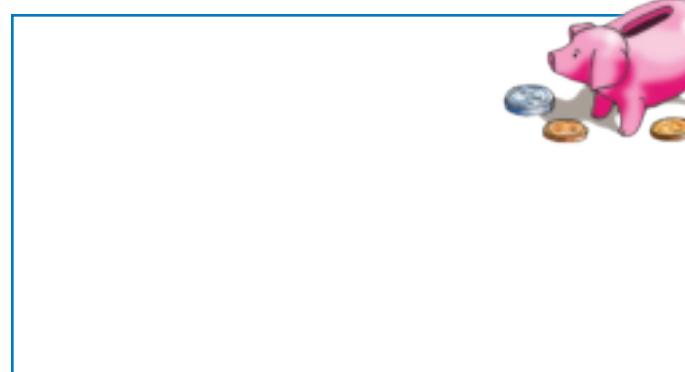


Ke efe e ngata?

Ho fumana R2,50 ya letsatsi bakeng sa kgwedi ya Phupjane le Phupu.

Kapa ho fumana RI50 ka la IPhato.

Bontsha hore o e sebeditse jwang.



11 12 13 14 15 16 17 18 19 20
||||| ||||| ||||| ||||| |||||

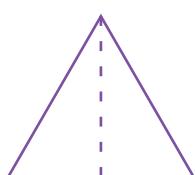
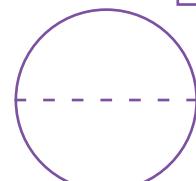
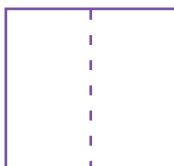
48

Letsatsi:

Kotara ya 2

Simeteri

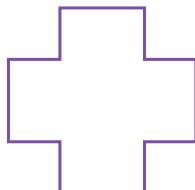
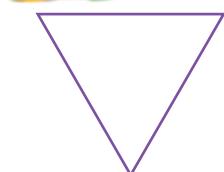
O hlokomelang ka dibopeho tsena?



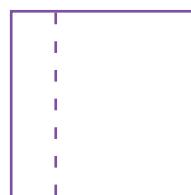
Thala mola wa simeteri bakeng sa sebopetho se seng le se seng.

Mola wa simeteri o arola sebopetho ka dihalofo tse pedi hore halofo ka nngwe e tshwane hantle le e nngwe.

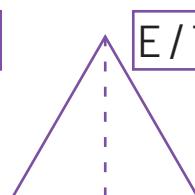
Sebopetho se na le semeteri haeba o ka se mena moleng hore dihalofo tse pedi di lekane hantle.



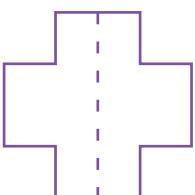
Na mola o nang le matheba ke mola wa simeteri kapa tjhe? Etsetsa (E) Ee kapa (T) Tjhe sedikadikwe



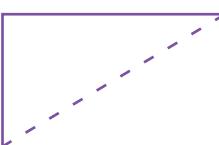
E / T



E / T



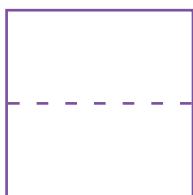
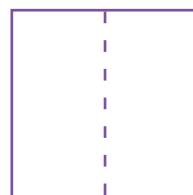
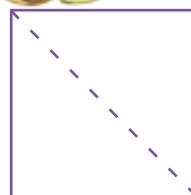
E / T



E / T



Na mola ona ke wa simeteri? Hobaneng?

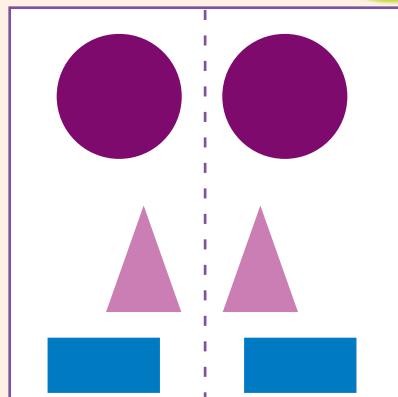




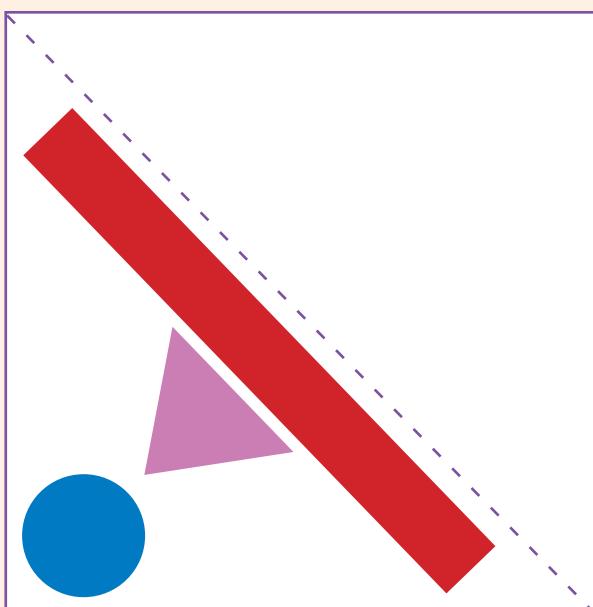
Etsa setshwantsho sa sebopaho hore mahlakore
a sona a lekane hantle.

Re se re o etseditse ya pele.

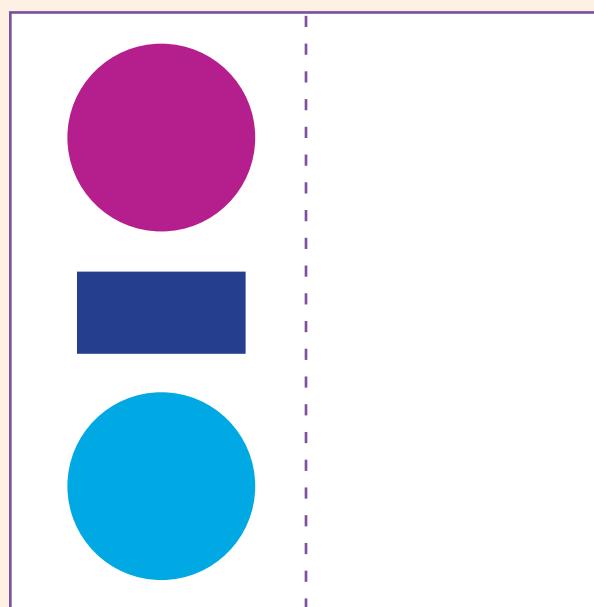
a.



b.



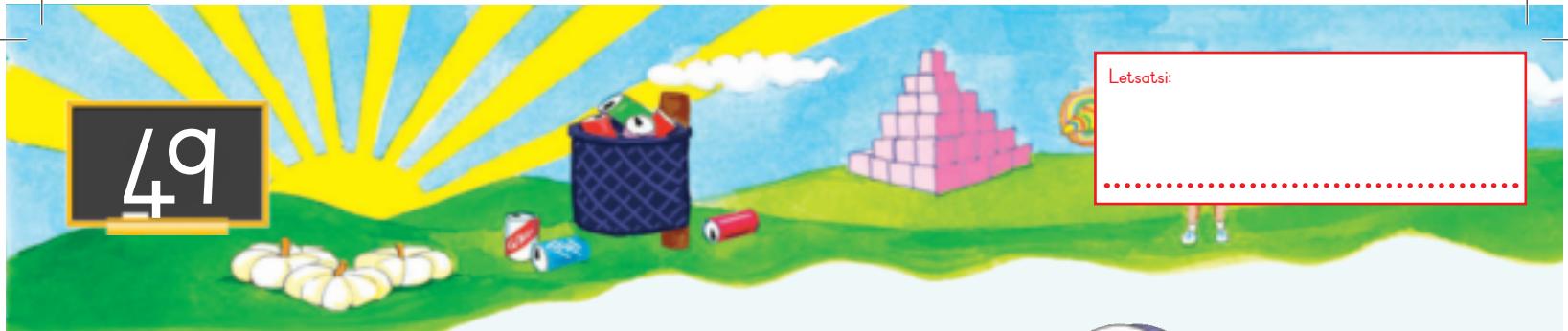
c.



Ikisetsetse
semeteri ya
hao o sebedisa
dibopaho.



49



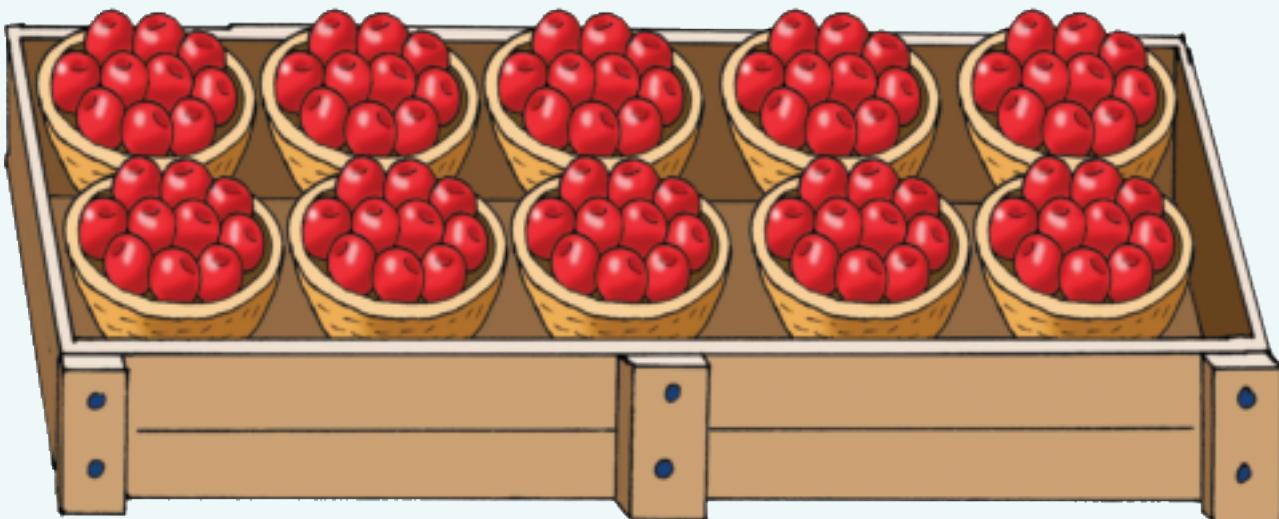
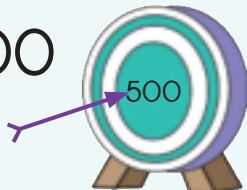
Letsatsi:

.....



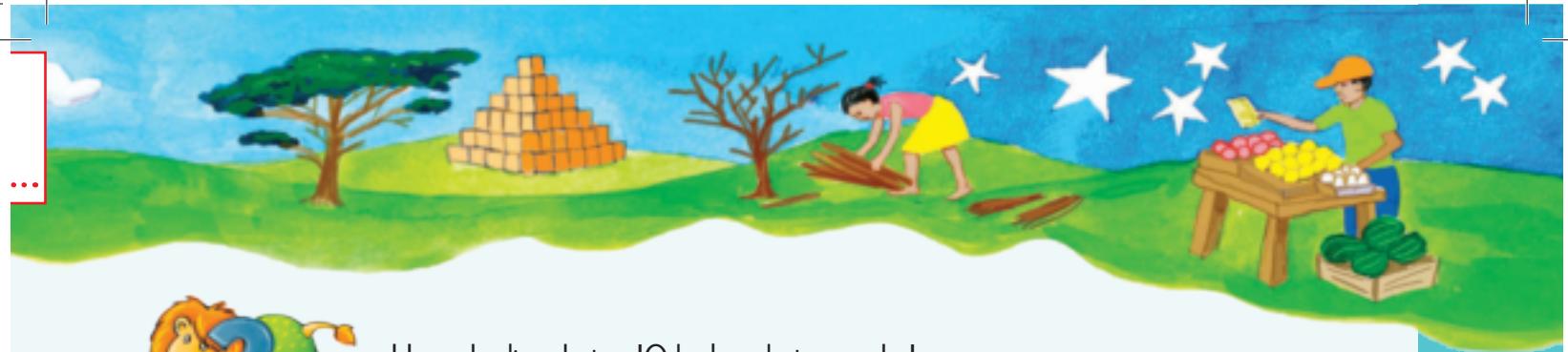
Ho bopa ho fihlela ho 500

Bala diapole



Qetela mme o atise

basekete e 1 e kenya diapole tse ____.	$1 \times 10 = 10$
dibasekete tse 3 di kenya diapole tse ____.	$3 \times 10 =$
dibasekete tse 5 di kenya diapole tse ____.	
dibasekete e 4 e kenya diapole tse ____.	
keireiti e 2 e kenya diapole tse ____.	
Kereiti e le 1 e tshetse diapole tse 100.	Dikereiti tse 2 di tshetse diapole ____.
Dikereiti tse 3 di tshetse diapole ____ tse.	Dikereiti tse 4 di tshetse diapole ____.
Dikereiti tse 5 di tshetse diapole ____ tse.	Dihaloo tse 2 tsa dikereiti di tshetse ____.

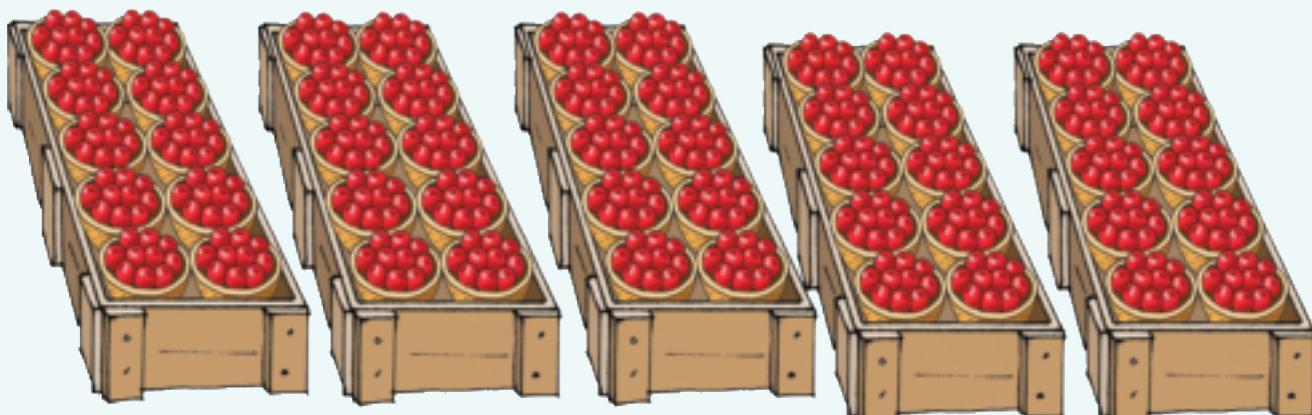


Ho na le diapole tse 10 ka baseketeng e le l.

Ho na le dibasekete tse _____ kereiting e le nngwe.

Ho na le diapole tse _____ kereiting e nngwe le e nngwe.

Ho na le diapole tse kae kaofela? _____



Rarolla, bontsha mme o ngole

300

40

5

Sebedisa dikarete tsa dipalo pele ho bontsha karabo ka nngwe. Ebe jwale o ngola palo.

dikereiti tse 3 + dibasekete tse 4 + 5 diapole tse = 345 diapole

dikereiti tse 4 + dibasekete tse 5 + 5 diapole tse = 45 diapole

dikereiti tse 5 + dibasekete tse 2 + 5 diapole tse = 52 diapole

dikereiti tse 4 + dibasekete tse 7 + 5 diapole tse = 47 diapole



50

Letsatsi:

Kotara ya 2

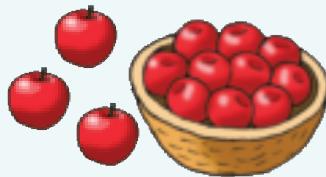
Ho atisa le ho arola (10)



Ho bala diapole

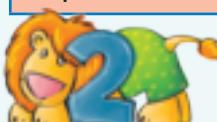
Tlatsa papetla.

Ke dimmanki tse kae tse tshetseng diapole?



Diapole 	10	20	30	40	50
Dimmanki 	1	2			

÷ palo					$50 \div 10 = 5$
× palo					$5 \times 10 = 50$



Arola diapole dipakeng tsa bana. Etsa setshwantosho. Ngola palo e arolang le e atisang ho lekola karabo ya hao.

a.



Lekola dikarabo

tsa hao

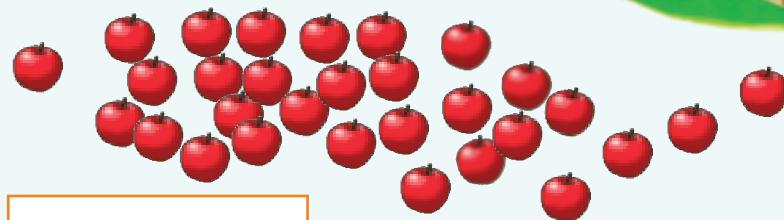
$$\square \div \square = \square$$

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





b.



Ngola palo ÷



Ngola palo ho
bontsha dikarabo
tsa hao ×



Sebedisa dipalo ho iketsetsa palo ya polelo.



Mohlala

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

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



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



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



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



Ngola palo ya 10 e nyenyan le palo ya 10 e kgolwanyane ho feta
palo eo ho fanweng ka yona.

_____, 460, _____

_____, 390, _____

_____, 500, _____



Teacher:
Sign:
Date:

51

Letsatsi:

Bala ka bo 2



Ho balla pele le morao ka bo2

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



Para ya dihanskunu



- Ho na le **dipara tse kae tsa dihanskunu moleng o le mong?** _____
- Ho na le **hanskunu tse kae tse tsamayang ka bonngwe moleng o le mong?**

- Ho na le mela e mekae? _____
- Ke dihanskunu tse kae kaofela? _____
- Bontsha kamoo o e sebetsang.
- Ngola karabo ya hao jwalo ka palo ya polelo.
_____ × _____ = _____



K e dihanskunu tse kae kaofela tse ho b?

Ngola ka hodima papetla.

- a. Para ya dihanskune

Para ya dihanskune	1	10	5	50	4	40	3	30	100
Palo ya dihanskune	2								

- b.

Dihanskune di le ding	20	21	70	73
Dipara tse ka etswang				
Dihanskunu tse setseng				



Bala ka bobedi

- a. Ke palo efe e hlahang dipakeng?

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

- b. Ngola dipalo tse pedi tse tla latela?

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

- c. Ngola dipalo tse pedi tse tla latela?

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



11 12 13 14 15 16 17 18 19 20



Ho etsa pheving ka dithaelese



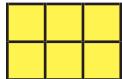
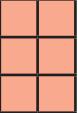
Ho hlophisa jarete

Monghadi Mabena o na le dithaele tse ntle.

O di sebedisa ho kgabiso jarete ya hae. Ho na le dithaele tsa tekanyetso ya dikgutlonnetsepa tse 6 tse lekanang.

Ke tla di beha
jwang?



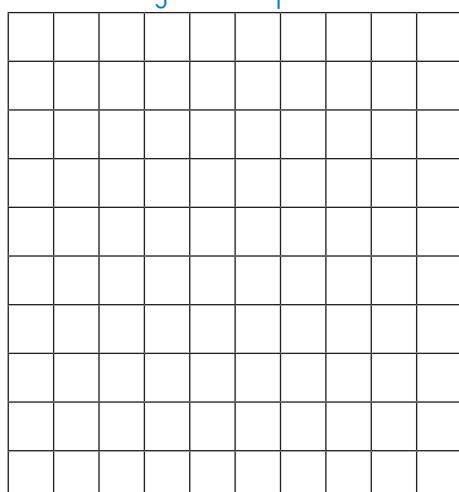
Nka etsa mola o le 1 ka dithaele tse 6.	Nka etsa mela e 2 ka dithaele tse 3 moleng ka mong.	Nka etsa mela e 3 ka dithaele tse 2 moleng ka mong.
 $6 \times 1 = 6$	 $3 \times 2 = 6$	 $2 \times 3 = 6$

Jwale ke nako ya hao!

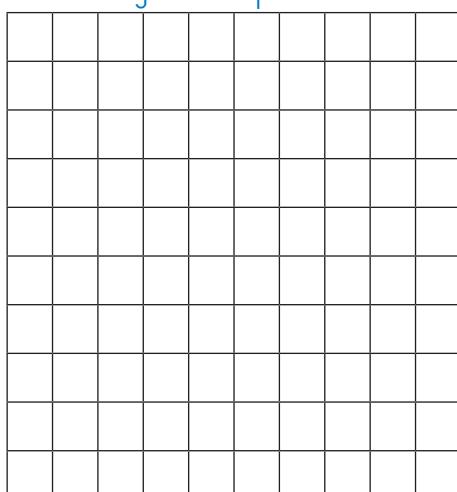
Rala diboloko ho bontsha kamoo o ka hlophang dithaele tsa dikgutlonnetsepa tse 8 le tse 9.

Ngola palo ya polelo mabapi le moralo ka mong.

Dikgutlonnetsepa tse 8



Dikgutlonnetsepa tse 9





Hlophisa dithaele tse 12

Thabo o na le dithaele tsa dikgutlonnetsepa tse 12 ho kgabisa bokantle ba phaposi. Mo thuse ka mekgwa eo a etsang hona ka yona. Ngola palo ya polelo bakeng sa mokgwa ka mong.

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



Hlophisa dithaele tse 24

- Sebedisa kiriti ya moseho wa 2.
- Di rale ho kwahela diboloko tse 24 tse fapaneng.
- Ngola dipalo tsa dipolelo ho nyalanya meralo.

--	--	--



Nka atisa!

$12 = 2 \times$ <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

Letsatsi:

Kotara ya 2

O sebedisa bohlano



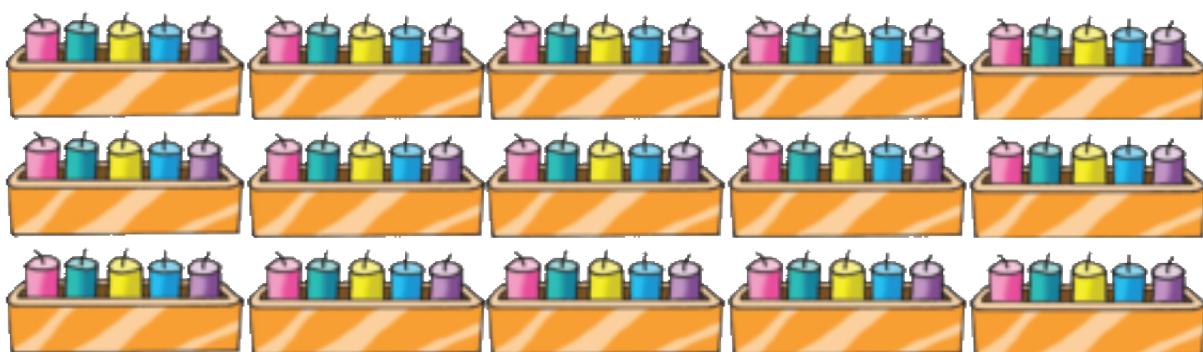
Tseba bo 5 ba hao

Tlatsa dikarabo.

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



Bala dikerese



- Ho na le dikerese tse kae ka **lebokoseng** le leng le leng? _____
- Ho ba le **mabokose** a makae moleng o mong le o mong? _____
- Ho na le **dikerese** tse kae moleng o mong le o mong? _____
- Ho na le **dikerese** tse kae kaofela? _____



Bontsha karabo

Tshwaya (✓) palo ya polelo e bontshang karabo ya dikerese.

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



Bala o ya pele le ho kgutlela morao ka bo 5

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



Bokella tjhelete ya tshepe ya R5



Bana ba bokella di R5 tsa dikhoini. Ba hloka dikhoini tse kae tsa R5 ho ba le R ____? Re o etseditse ya pele.

$R5 \div R5$ = 1 tjhelete ya tshepe	$R10 \div R5$ = 2 tjhelete ya tshepe	R15? _____	R20? _____	R25? _____
R30? _____	R35? _____	R40? _____	R45? _____	R50? _____

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

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

Na o bona paterone?

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

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



Atisa ka bo 5

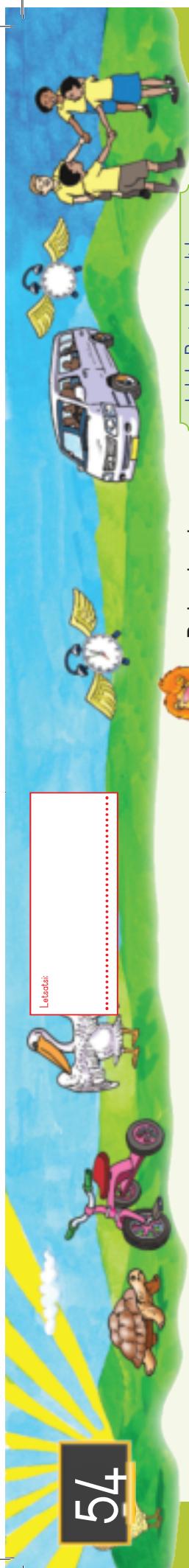
Mohlala: I \times 5 = 5; II \times 5 = 10; III \times 5 = 15

Nahana ka bohlale! Sebeletsa hodima dintlha tseo o di tsebang!

I	2	3	4	5	6	7	8	9	10
5	10								
II	12	13	14	15	16	17	18	19	20
55									



11 12 13 14 15 16 17 18 19 20



54

Kotara ya 2

Ho sebeta ka nako



Rala dinako

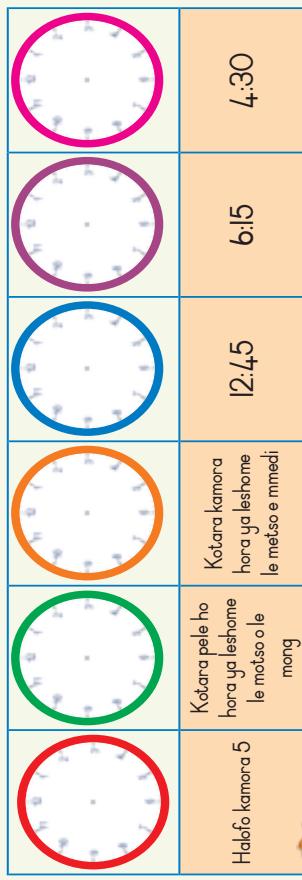


Ho sebetsa ka nako

Rala dinako



 Rala dinako				
Halfo kamora 5	Kotara pelé ho hora ya lesome le moto o le mong	Kotara kamora hora ya lesome le metso e mmedi	Bothata ka nako	MmaNomsa o tihaha hae ka 2:30 mantisiboga o kgutla ka 5:15 tihapama. Ebe o usamaila nako e kae?

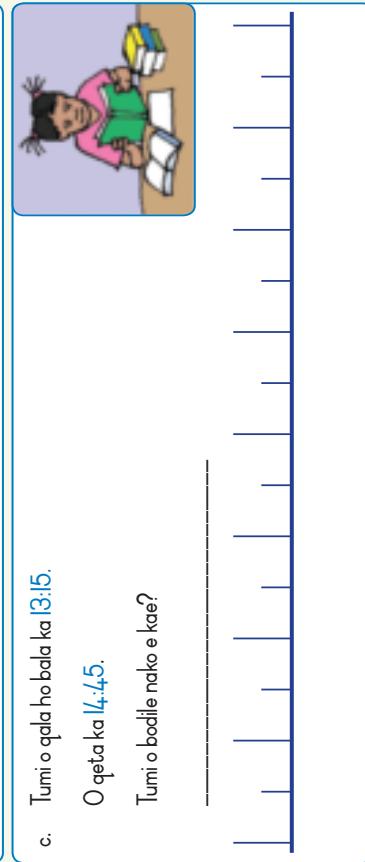
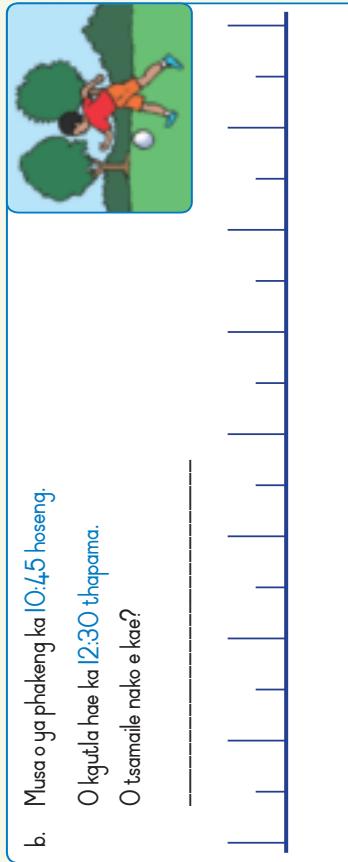
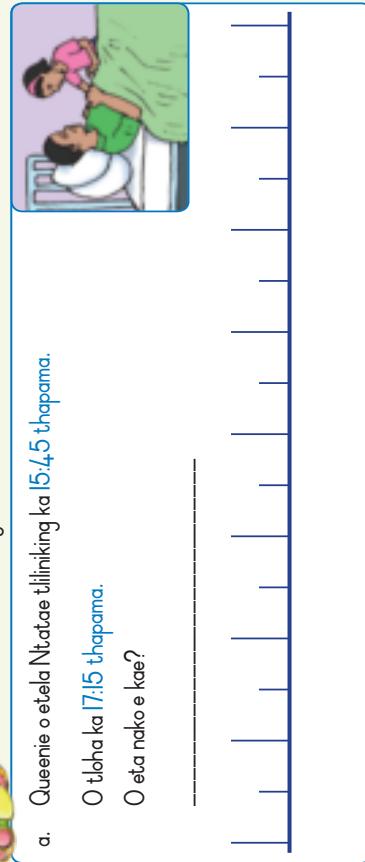


Bothaq ka nako

2

Re ka sebedisa mola wa ndko ho e
sebetsa. Beha monwana wa hao hodima
2:30, ndko eo e leng yonajiwale.

Minalomsa o tloha hae ka 2:30 mantuboya o kgutla ka 5:15 thapama. Ebe o tsamaila nako e kae?



Bala ka bo 3 le bo 4

Dipitsa tsa maoto a 3

Kopanya o ngole
dikardo.

a. Ke dipitsa tse kae moleng o le mong? _____

b. Ke maoto a makae moleng o le mong? _____

c. Ke mela e mekae ja dipitsa moleng? _____

d. Ke maoto a makae kaofela? Bontsha kamoo o sebeditseng kateng.

Tshwaya (✓) hore ke palo ee ya polelo e bontshang karabo.

$$21 \times 7 = \boxed{\quad}$$

$$3 \times 7 \times 3 = \boxed{\quad}$$

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

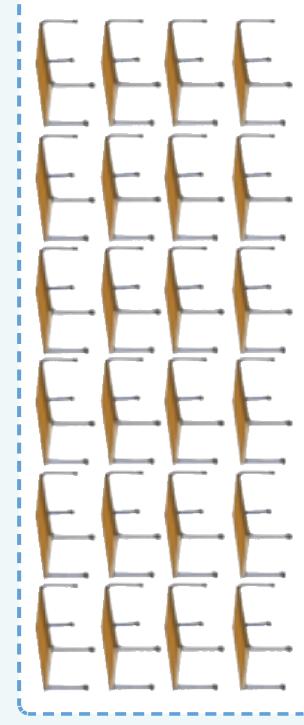
$$21 \times 3 = \boxed{\quad}$$

Ke maoto a makae?

Nahana kapeli.
Maoto a table.

pitsa e le l	maoto a	3	dipitsa tse 10	maoto a	5 dipitsa	maoto a	2 dipitsa	maoto a	12 dipitsa	maoto a	14 dipitsa	maoto a
dipitsa tse 2	maoto a	6	dipitsa tse 15	maoto a	dipitsa tse 3	maoto a						
dipitsa tse 5	maoto a	15	dipitsa tse 20	maoto a	dipitsa tse 5	maoto a						

Maoto a tafole

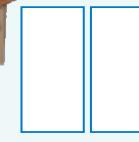


a. Ke ditafole tse kae moleng? _____

b. Ke maoto a makae moleng? _____

c. Ke mela e mekae ya ditafole papetleng? _____

d. Ke maoto a makae kaofela? Bontsha kamoo o sebeditseng kateng.



Qetella kiritika ho tlatsa dikarabo



Mmetli o etsa ditafole. O qala ka ho etsa maoto.
O se a entse a 48 ho finfela jwale. O tlakagona ho etsa
ditafole tse kae?
O hloka maoto a makae ho feta ho etsa tafole
e nngwe hape?

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



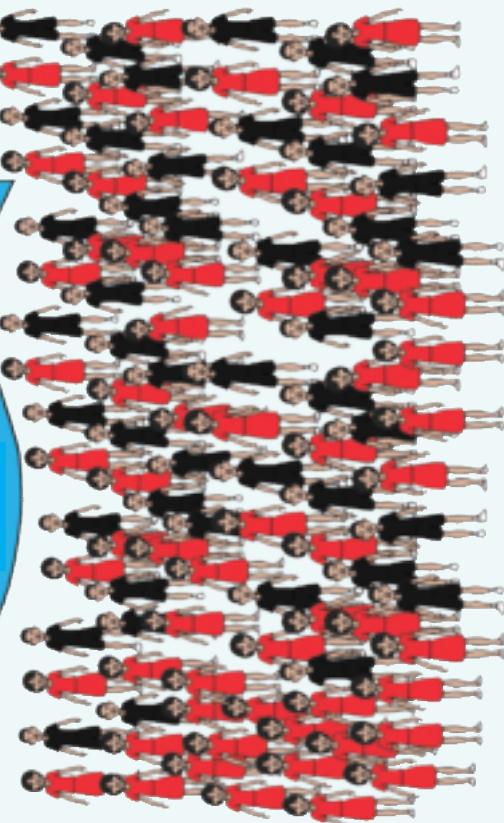
Eketering

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

Bala ka bo 50

Ngwanza a le mong, kobo e le nngwe!
Ke bana ba baka? Lekanjetsa, e be o a bala.

Kobo ya Tshepo
Boloka bana ba futnumate.
NPO 123-098



Lekanjetsa:



Ba lefā eng?



Gwazi
oreka
tse 2.



Olea
R



Mo Chaane
oreka
tse 5.



Olea



Mabenkeng a Thembi
ba reka
tse 20.



Ba lea



tse 5 ka R50 = R250



tse 4 ka R50 = R ____



tse 3 ka R50 = R ____



tse 7 ka R50 = R ____



tse 8 ka R50 = R ____



tse 9 ka R50 = R ____



Ho tlanka nako e kae? Sebedisa khalentara.

Baithuti ba Kereniti ja 3 ba bokella tjelete ho reka dikobo tse 4.

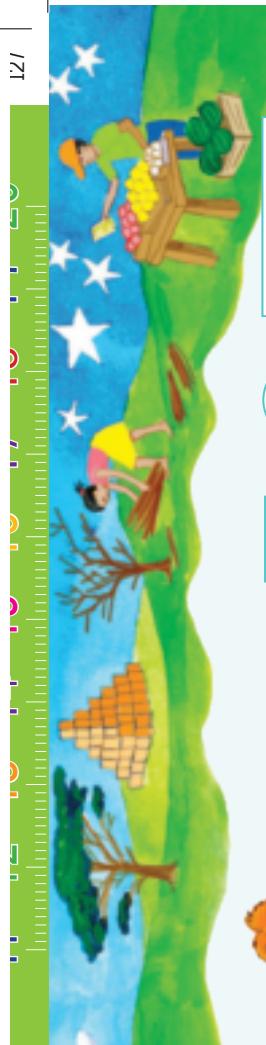
Ba bokella R5 ka letsatsi ka matsatsi a 5.

Ba hloka dibeketse kae ho bokella tjelete ya dikobo?

Ke bana ba baka? _____
Ke banana ba baka ba ☺? _____ Ke banana ba baka ba ☺? _____

Lekanjetsa	Bala	Bopisa

| 2 3 4 5 6 7 8 9 10 | 1 2 3 4 5 6 7 8 9 20



Lets do it!
www.letsdoit.com

Dikarolwana: dihalofole dikotara

Arola dibolo ka ho lekana dipakenq tsa maboko se.



5

Yotara ya 2

SES NUM G3 B1 WS33-64.indd 125

Tlotso $\frac{1}{2}$ ya sebopheho ka mmala.

Tlotso $\frac{1}{4}$ ya sebopheho ka mmala.

Tlotso $\frac{2}{4}$ ya sebopheho ka mmala.

Tlotso $\frac{3}{4}$ ya sebopheho ka mmala.

Tat sa $\frac{1}{2}$ na sahongba ka mmata

Totsg / uaq sebopeho kq mmaq.

Tlotso $\frac{2}{4}$ ya sebopetho ka mmala.

Tlotsa $\frac{3}{4}$ ya sebopeho ka mmala.

Sheba dipampitshana tsa dikarolwana.

E feletseng	— —	— —
— —	— —	— —
— —	— —	— —

Ke di dhalofo ($\frac{1}{2}$) tse kae tse etsang palo e feletseng?

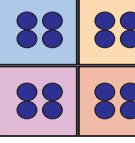
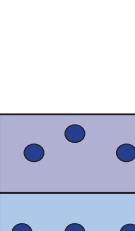
Ke dikotara ($\frac{1}{4}$) tse kae tse etsang halofo e le nqwe?

Ke dikotara ($\frac{1}{4}$) tse kae tse etsang halofo?

b. Sheba ditaekero mme o ngole karolwana bakeng sa sebaka se ntsho faditsweng.

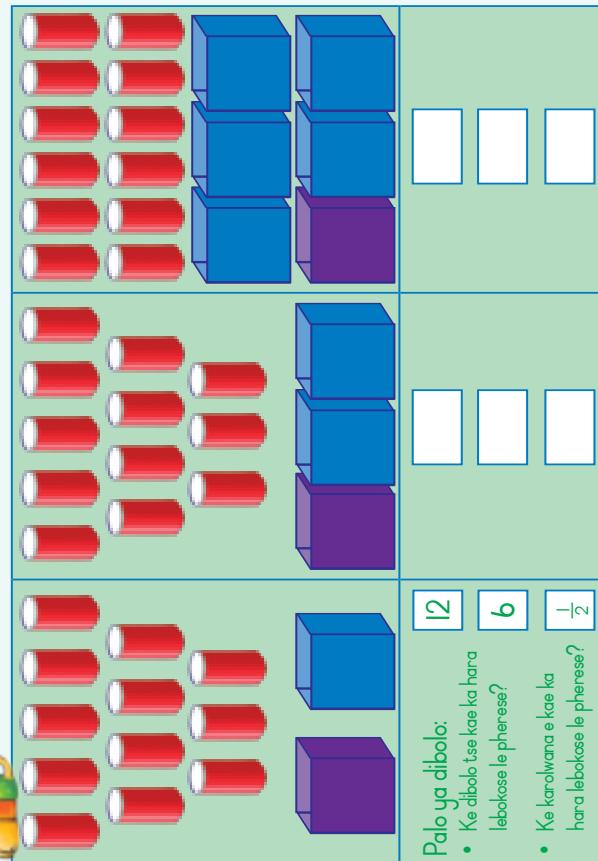
	<ul style="list-style-type: none"> Ke dibolo tse kae ka hara lebakose le leng? Ke dibolo tse kae ka hara lebakose le pherese? Ke karola e kae ka hara lebakose le pherese?
	<ul style="list-style-type: none"> Ke dibolo tse kae ka hara lebakose le leng? Ke dibolo tse kae ka hara lebakose le pherese? Ke karola e kae ka hara lebakose le pherese?

Sheba setshwartzho o nto araba dipotsa.

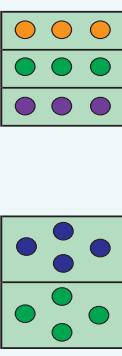
	<p>O badille didlikadikwe tse kae kaofela?</p> $\frac{1}{4}$ ya sedikadikwe ke bokae? $\frac{2}{4}$ ya sedikadikwe ke bokae? $\frac{3}{4}$ ya sedikadikwe ke bokae? $\frac{4}{4}$ ya sedikadikwe ke bokae?
	<p>O badille didlikadikwe tse kae kaofela?</p> $\frac{1}{2}$ ya sedikadikwe ke bokae? $\frac{1}{2}$ ya sedikadikwe ke bokae?



Dikarolwana dihaloo,
dikarolwana tsa boraro le tsa botshela
Arola makotikoti (disintere) ka ho lekana dipakeng tsa mabokose.



Sheba setshwantsho mme o arabe dipots.



Okabala didikadikwe tse kae?

$\frac{1}{3}$ ya didikadikwe ke bokae?

$\frac{2}{3}$ ya didikadikwe ke bokae?

$\frac{2}{6}$ ya didikadikwe ke bokae?

$\frac{3}{6}$ ya didikadikwe ke bokae?

$\frac{4}{6}$ ya didikadikwe ke bokae?

$\frac{5}{6}$ ya didikadikwe ke bokae?



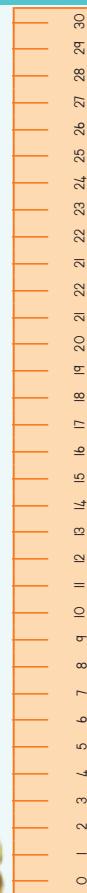
$\frac{1}{3}$ ya didikadikwe ke bokae?

$\frac{2}{3}$ ya didikadikwe ke bokae?

$\frac{3}{3}$ ya didikadikwe ke bokae?

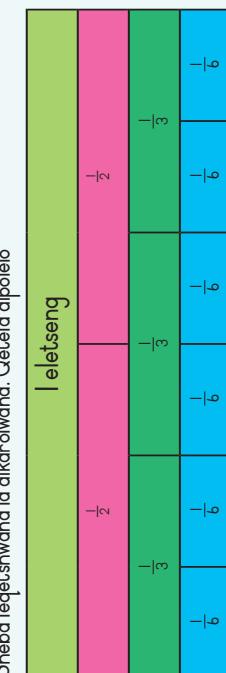
$\frac{4}{4}$ ya didikadikwe ke bokae?

$\frac{5}{5}$ ya didikadikwe ke bokae?



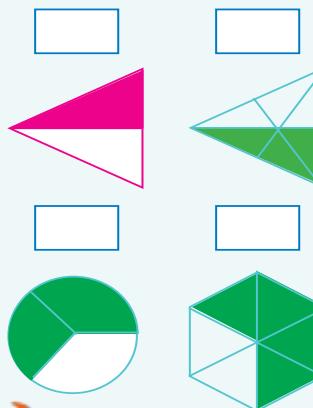
- Bontsha halofo ruleng. E lekana le cm tse _____
- Bontsha karolo ya boraro ruleng. E lekana le cm tse _____
- Bontsha karolo ya botshela ruleng. E lekana le _____

Sheba leqetshwana la dikarolwana. Qetela dipolelo



- Ho na le dihaloo tse _____ tsa palo e lettseng.
- Ho na le dikarolwana tsa boraro tse _____ tsa palo e lettseng.
- Ho na le dikarolwana tsa botshela tse _____ tsa palo e lettseng.
- Ho na le dikarolwana tsa botshela tse _____ tsa halofo ya palo.
- Ho na le dikarolwana tsa botshela tse _____ karolwaneng ya boraro.

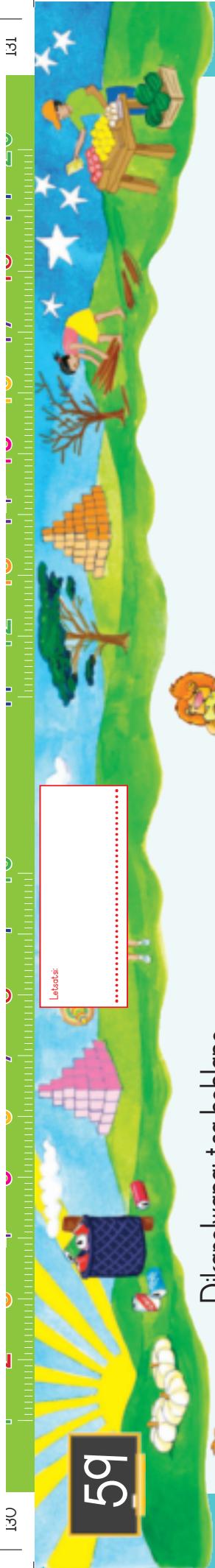
Ngola karolwana bakeng sa sebaka se ntshoaditsweng.



Etsa sedikadikwe ho potzoloha karolwana e kgolwanjane.

- $\frac{1}{2}$
- $\frac{1}{2}$
- $\frac{2}{3}$
- $\frac{1}{6}$
- $\frac{2}{6}$



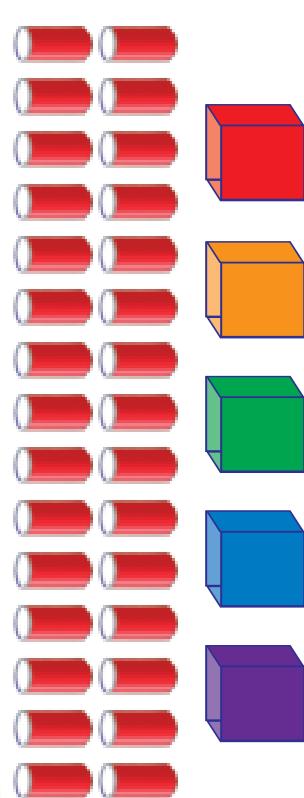


Dikarolwana: tsa bohlano

Arola makotikoti ho lekana mabokose a 5.

Kotara ja 2

5q



- Ka hara karolo ya bohlano ya mabokose ho ne la makotikoti a b.
- Ka hara babedi bohlanonong ya mabokose ho ne la makotikoti a c.
- Ka hara tharo bohlanonong ya mabokose ho ne la makotikoti a d.
- Ka hara nne bohlanonong ya mabokose ho ne la makotikoti a e.

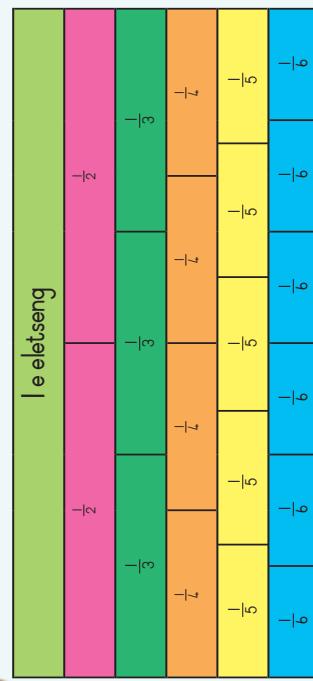
Sheba setshwantsho o nto araba dipotsa.
Ke ditjhokolete tse kae ka hara lebokose?



- $\frac{1}{5}$ ya ditjhokolete e lakana le
- $\frac{2}{5}$ ya ditjhokolete e lakana le
- $\frac{3}{5}$ ya ditjhokolete e lakana le
- $\frac{4}{5}$ ya ditjhokolete e lakana le
- $\frac{5}{5}$ ya ditjhokolete e lakana le
- Kaletsatsile leng ke ile kaja $\frac{1}{5}$ ya ditjhokolete. Ho setse ditjhokolete tse kae kaofela?
- Kaletsatsile leng ke jele ditjhokolete tse ding tse $\frac{1}{5}$. Ho setse ditjhokolete tse kae kaofela?



Totsa disebediswatsse methang ka mmala.

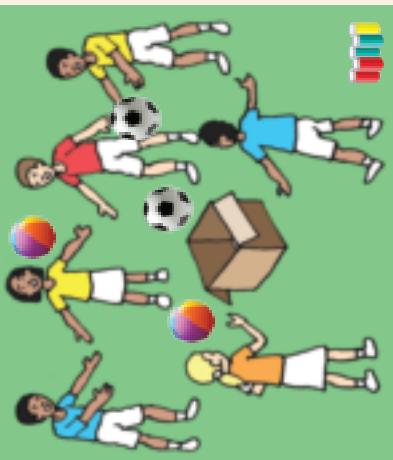


Sheba dikarolwana tsa dipampiri o mme o arabe dipotsa.

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Teacher:
Sign:
Date:

Dintlo tsa sebopetho sa 3D



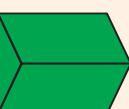
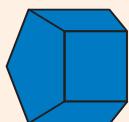
Bala mabokose (porisima).
Bala dibolo (tjhijja).
Bala disilintere.



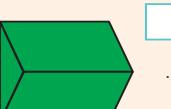
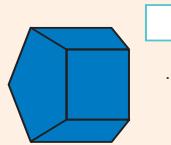
Kotara ja 2

Ana ke mabokose.

Sebedisa leqephe la diseuhuwa la 3 le 4 ho di etsa.



Papetla ka nngwe e bitswa sefahleho. Kgomaretsa se le seng hodima sefahleho ka seng sa lebokosa.



Na diahlaho tsa porisima di sephara kapo di kobehile?



Jwale etsa silindera ho hlaho ho leqephe tshebetsa 4.

Na diahlaho tsa silintere di sephara kapo di kobehile?

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



Ka hodimo



Ka pele



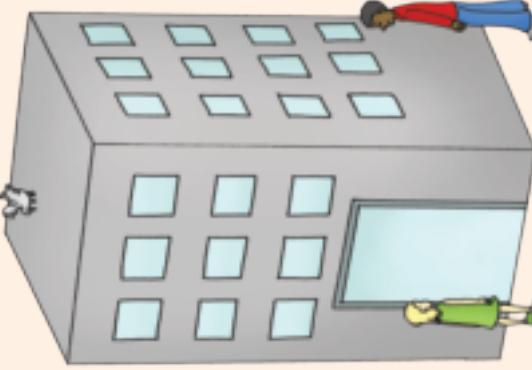
Ka lendkoreng



Sebedisa dintlo tsa hao ho bopatse latelang.

Hllosa boemo ba silintere o sebedisa mantswa.

Sebedisa mantswa a ka tlase ho qetela dipolelo tsena.



Ngwanana o sheba _____ ho modho.

Nonna o sheba _____ ho modho.

ka mohatleng



ka hlahong



lehakore



Teacher:

Sign: _____
Date: _____

19

Ho pheta habedi le ho Hafola

Na o sa hapola?

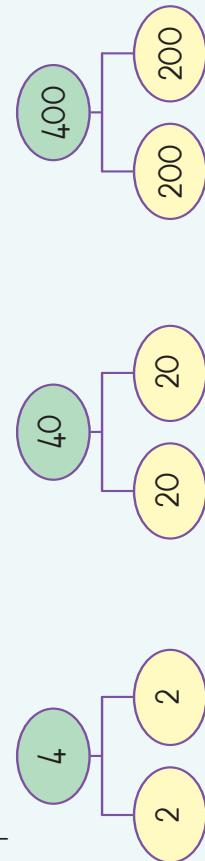
2 ke halofo ya 4

40 ke 20 habedi

200 ke halofo ya 400

400 ke 200 habedi

Hopoldi Re ka bontsha sena ka setshwantsho ...



Kotara ja 2

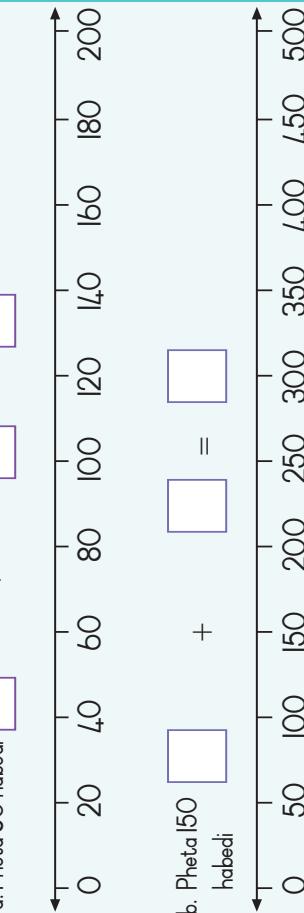
Leotso:

Pheta palo habedi o sebedisa molapalo.
Mohlala wa pelle o se o o etsetsitswe.

$$\begin{array}{c} \boxed{40} \\ + \\ \boxed{40} \\ \hline \boxed{80} \end{array}$$



$$\begin{array}{c} \boxed{} \\ + \\ \boxed{} \\ \hline \boxed{} \end{array}$$



$$\begin{array}{c} \boxed{} \\ + \\ \boxed{} \\ \hline \boxed{} \end{array}$$



Qetela

tse

latelang

Qetela tse latelang

$$\begin{array}{c} \boxed{} \\ + \\ \boxed{} \\ \hline \boxed{} \end{array}$$



Qetela tse latelang

$$\begin{array}{c} \boxed{} \\ + \\ \boxed{} \\ \hline \boxed{} \end{array}$$

1 2 3 4 5 6 7 8 9 10

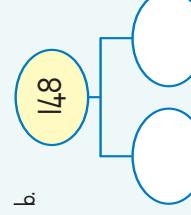
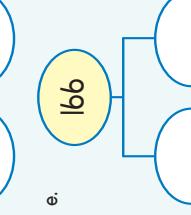
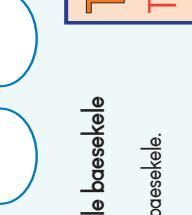
136



1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | q | 0 |

Bobedi le halofo hape

Fumana bobedi kapo dihaloo

- a.  73
- b.  148
- c.  qb
- d.  134
- e.  166
- f.  8q

Bolokela ho ba le baessekele

Peter o bolokla R25 ka beke ho reka baessekele.
O lokela ho bolokla dibekela tse kaæ?

dibekela
 Ditheolelo

Thepa yohle e theotswe ka halofo hau le thepa ka nngwe.
Ngola theko ya theolelo hau le thepa ka nngwe.

- a.  Dikobo R190
Theko ya theolelo _____
- b.  Dilakane R54
Theko ya theolelo _____
- c.  Mesamo R220
Theko ya theolelo _____

Kotara ja 2

62

Ke diranta tse kaæ?

Musa o batla hempe. O na le halofo ya theko yohle.

Ri35 O sa ntse o hloka bokae? R _____

Dietat tsai Peter di bitsa habedi ho eta theko ya tsona.

R78.50 Dietat tsai Peter di bitsa bokae? R _____

Mose wa Phindi o pheta habedi theko ya ona.

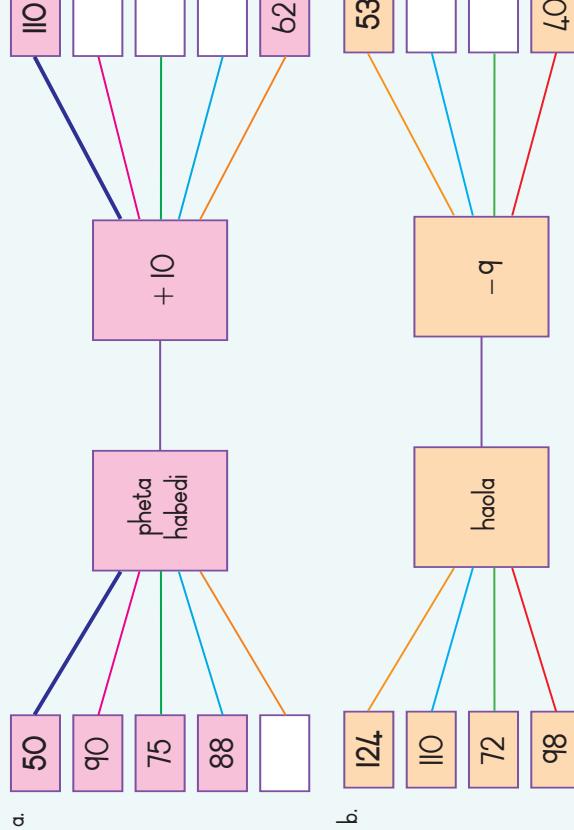
R97 Mose wa Phindi o bitsa hakae? R _____

Ke eng e kenngwang? Ke eng e ntshuwang?

Latela mohlala. Tlatasa dipalo tse silveng.

Thelkiso RI450

Theko e theotsweng:
ke R900



Musa o batla hempe. O na le halofo ya theko yohle.

Ri35 O sa ntse o hloka bokae? R _____

Dietat tsai Peter di bitsa habedi ho eta theko ya tsona.

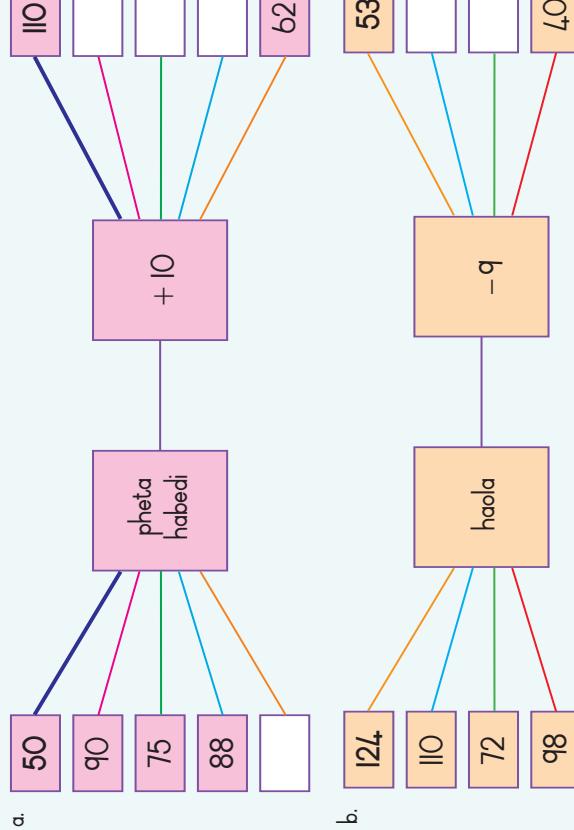
R78.50 Dietat tsai Peter di bitsa bokae? R _____

Mose wa Phindi o pheta habedi theko ya ona.

R97 Mose wa Phindi o bitsa hakae? R _____

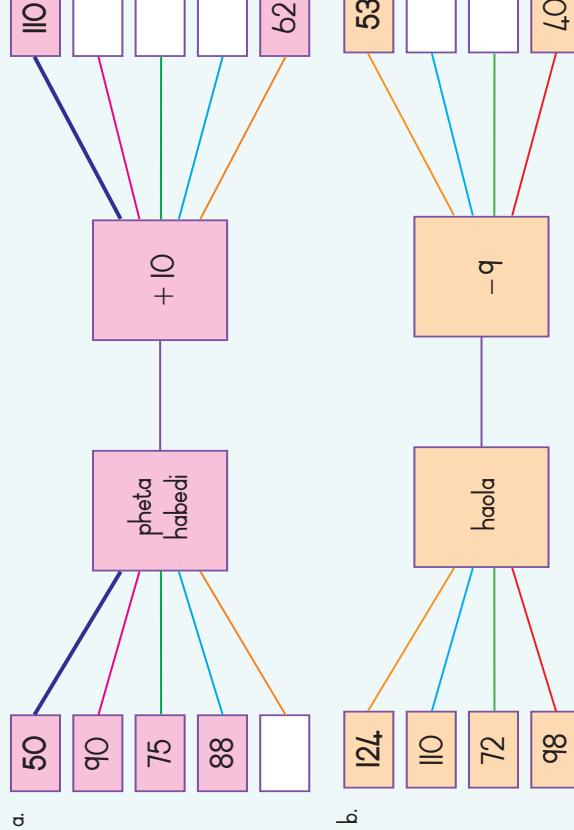
Ke eng e kenngwang? Ke eng e ntshuwang?

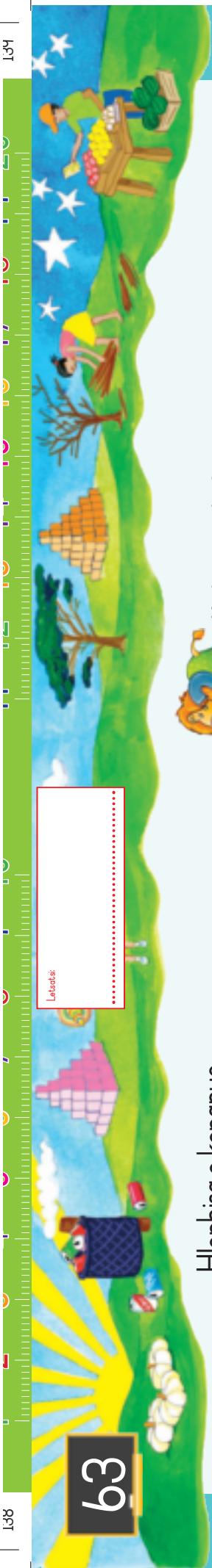
Latela mohlala. Tlatasa dipalo tse silveng.



Thelkiso RI450

Theko e theotsweng:
ke R900



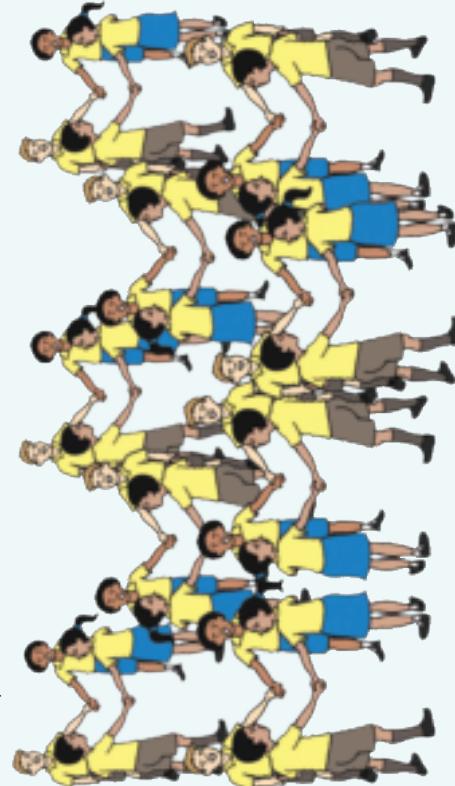


63

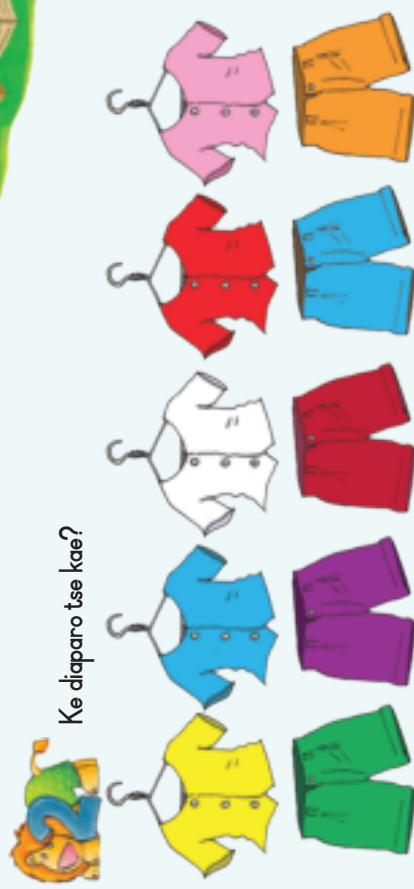
Hlophisa o kopanye

Hlophisa bana

Mo. Ndaba o batla ho arola baithuti dihlophha tse lekanang bakeng sa popadi ya ka ntše. Pele o ba hlophisa ka dihlophha ts'a bo 4.



Kotara ja 2



Ke diaparo tse kae?

Phindlo na le dihempe tse 5 tse mebal a le marikgwe a makgutshwane a mebal a 5. A ka etsa diaparo tse apaneng tse kae a sebedisa metswako e apaneng ya mebal a?

Mohlala: Hempe e bolou/borikgwe bo bogutshwane bo bolou. Hempe e bolou/borikgwe bo bogutshwane bo mmala wa lamunu.

Ngola tlhaku ya pele ya mmala ka mong, Bontsha diaparo ts'ohle tse ka kgonahalang.

- Ke bana ba bakae sehlopheng?
- O etsa dihlophha tse kae?
- Bontsha ditsetla ts'ohle tse ding tseo Mo. Ndaba a ka di sebedisang ho hlophisa barna.

Lekola, Bapisa, Lokisa
diphoso.

Lepa: Haeba Phindi a na le mebal a apaneng e 6 ya dihempe le ya marikgwe a makgutshwane?

A ka etsa diaparo tse kae?

Teacher:
Sign:
Date:



1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | q | 10

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | q | 20

b4

Monate wa dipalo

Sheba molao

Sebedisa molao o na ho o thusa ho fumana nomoro tse siiweng.

Etsa tse atselang

Fumana dipalo

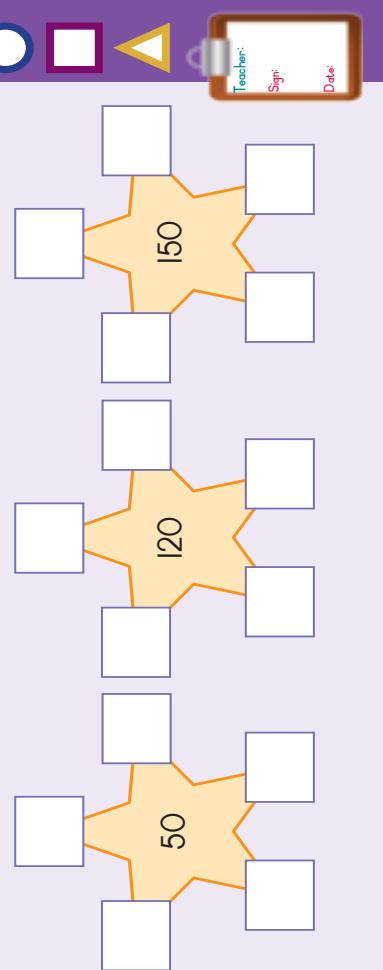
a. Molawana: Dipalo tse moleng o mong le o mong di tshwanela ho kopangngwa ho etsa 16.

2	5	3	6
			2
			2

b. Molawana: Dipalo tse 3, tsamela e rapamemng le e theohang ho ya dikholomong tse tlaase, kopanya palo yohle e tshwanang.

2	7	6
q		1
	3	8

c. Molawana: Ngola dipalo tse ding le tse ding tse 5 tse etsang palo e hare ka haranledi.



Inahanel!
Sebedisa nomoro 1, 2, 3, 4 le 5.
Dinomoro tse tharo moleng o mong le o mong di tlameha hore ha di kopangngwa di fane ka 10.
Molawana: Sebedisa nomoro e le ngwe hang fela.



| 2 3 4 5 6 7 8 q | 0

| 1 2 3 4 5 6 7 8 q | 0

| 1 2 3 4 5 6 7 8 q | 0

Latsata:

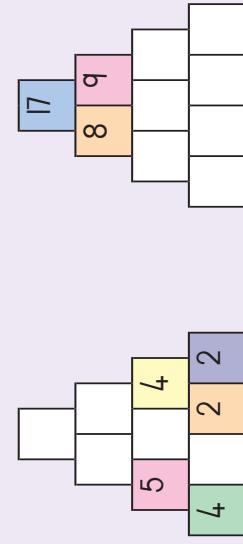


Kotara ja 2

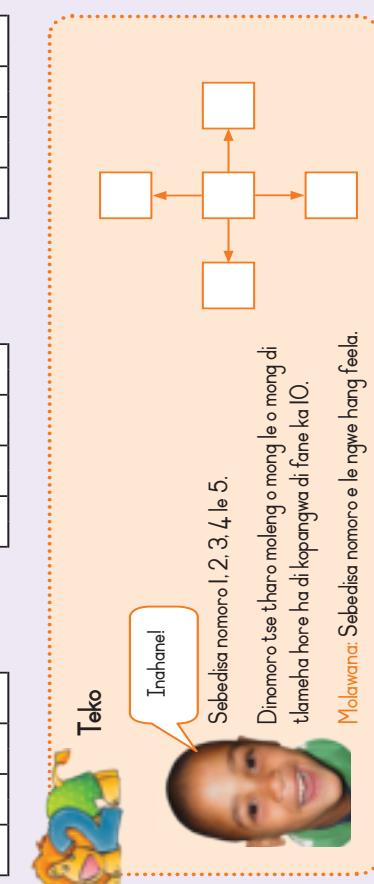
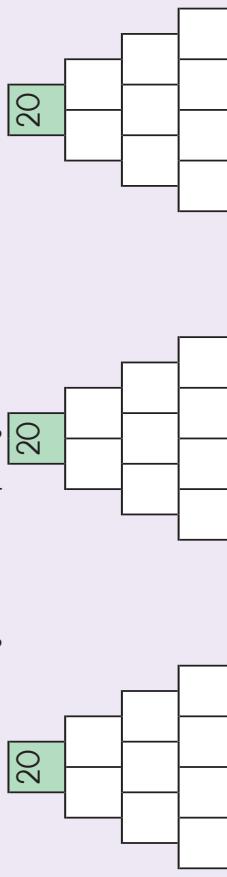


Sebedisa molao o na ho o thusa ho fumana nomoro tse siiweng.

Etsa tse atselang



Aha ho fihela 20 ka mekgwa e merano e sapareneng.



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

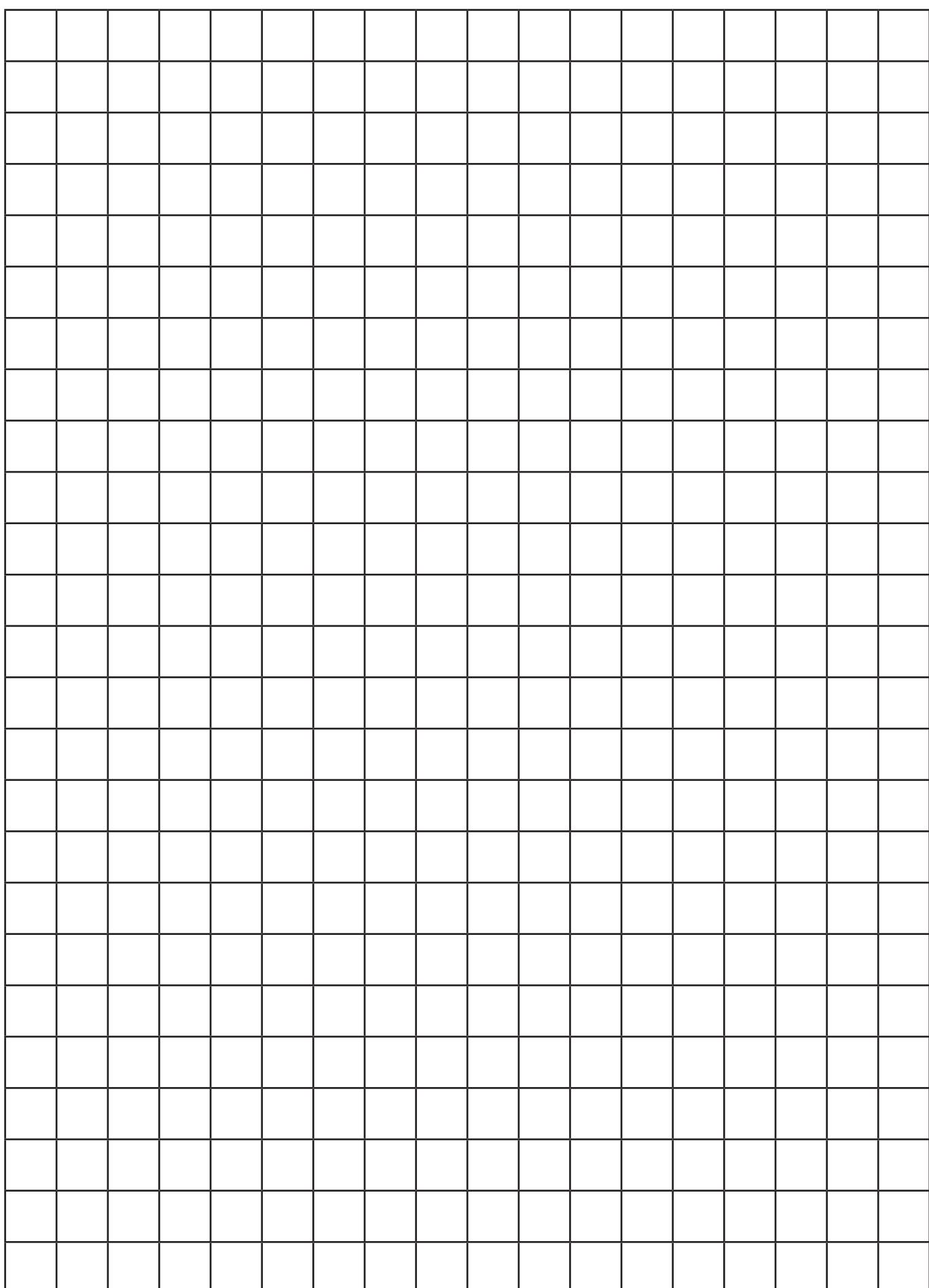
5 O O 5 O 5

6 O O 6 O 6

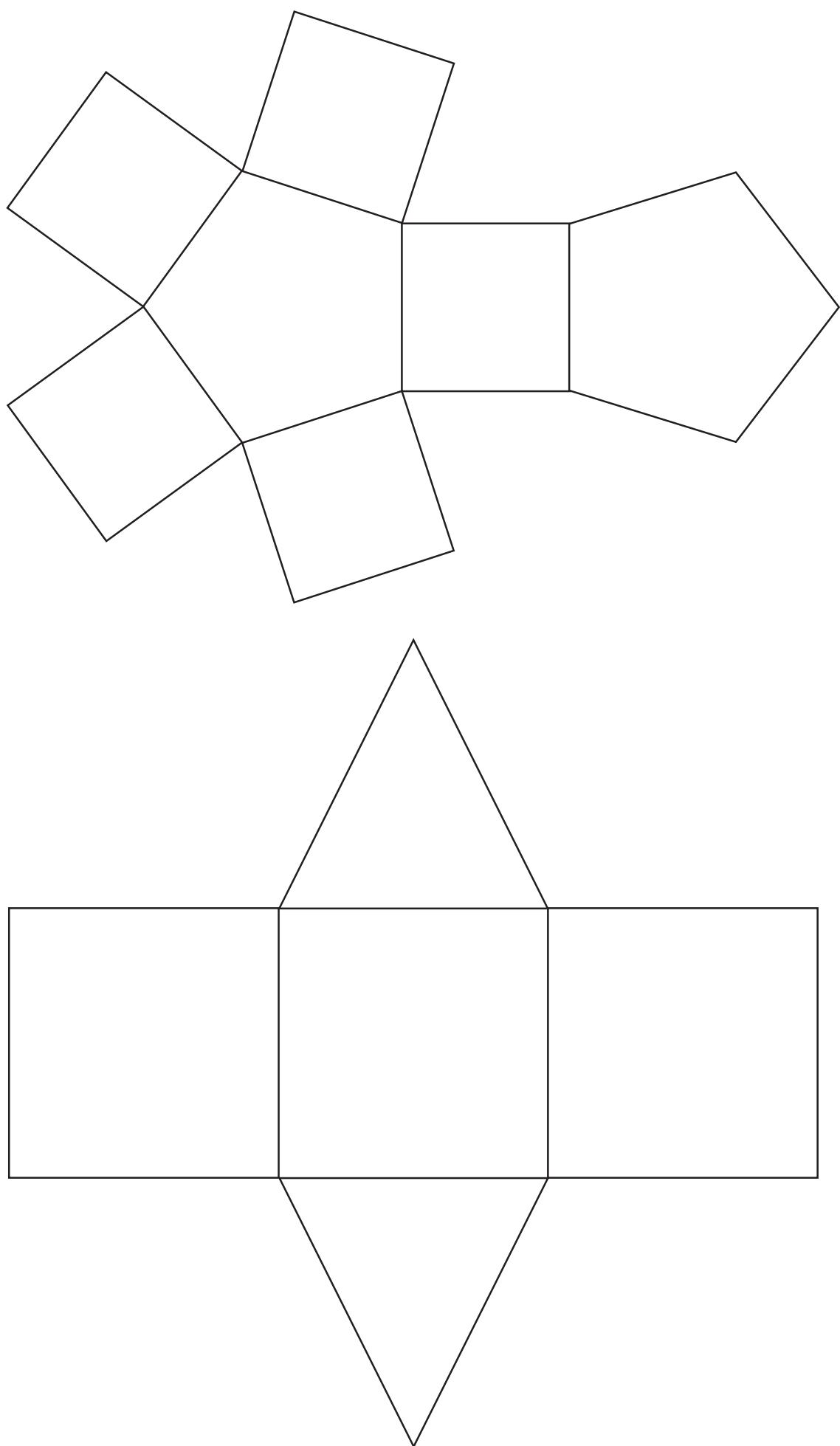
7 O O 7 O 7

8 O O 8 O 8

q O O q O q



Cut-out 3



Cut-out 4

