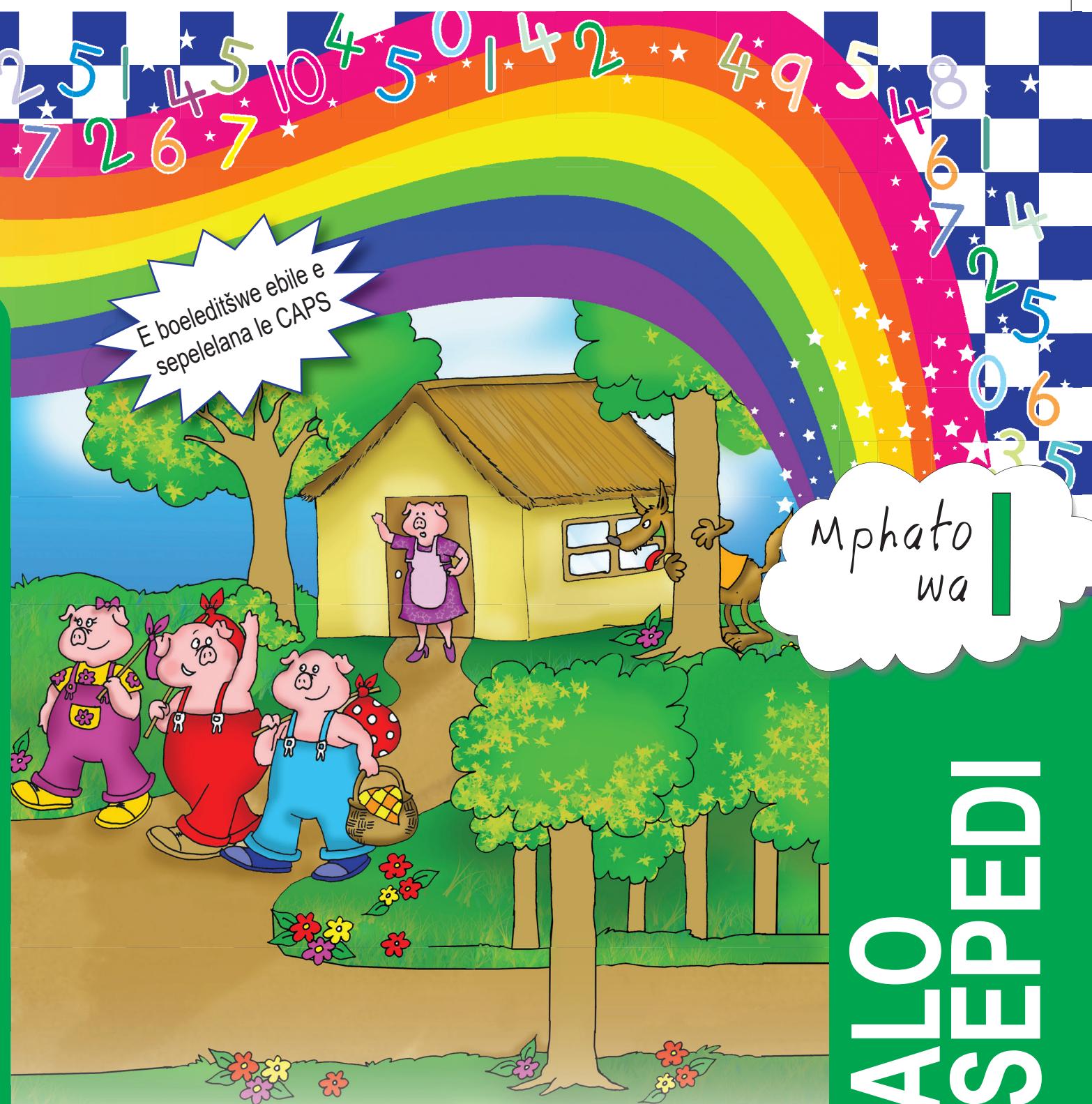


# DIPALO KA SE PEDI!

Puku ya 2  
Kotara ya  
3 & 4



DIPALO KA SE PEDI – Mphato wa | Puku ya 2

ISBN 978-1-4315-0130-4



**basic education**  
Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA

Leina:

Phapoši:

## MATHEMATICS IN SEPEDI

### GRADE 1 – BOOK 2

#### TERMS 3 & 4

ISBN 978-1-4315-0130-4

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11th Edition

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Rainbow WORKBOOKS

Go Ithuta Molaotheo wa Repabliky ya Afrika Borwa (1996)

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

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

Re se lebale mo re tšwago.	Re se ke ra bušeletša diphoso tša moo re tšwago.	Molaotheo wa rena o re thuša go akanya le go aga bokamoso bjo bokaone bja rena ka moka.
----------------------------	--	---

Rena, batho ba Afrika Borwa;  
Re elwelwa ditlhokatoka tša rena tša maloba;  
Re hlompha bao ba ilego ba hlokoletšwa toka le tokologo nageng ya gaborena;  
Re hlompha bao ba ilego ba katanelo go aga le go hlabolla naga ya gaborena; ebole  
Re dumela gore Afrika Borwa ke ya batho bohole ba ba dulago go yona;  
re le ngata e tee le ge re fapano ka ditšo.

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

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

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

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

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

Nyaka ditokelo tša gago bjalo ka Moafrika Borwa gomme o be le maikarabelo a go šireletša ditokelo tša ba bangwe.	Tseba molao wa ditokelo tša gago le Molao wa Maikarabelo.
--	---

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

# Diteng

Diteng	Hlogo	Letlakala
65	Kwešisa nomoro ye: II	2
66	Kwešisa nomoro ye: I2	4
67	Kwešisa nomoro ye: I3	6
68	Kwešisa nomoro ye: I4	8
69	Kwešisa nomoro ye: I5	10
70	Go hlakantsha go fihla go 20 – Go bala go tšwela pele	12
71	Go hlakantsha – go oketsa le go fokotsa dinomoro go fihla go 10	14
72	Go hlakantsha – go oketsa le go fokotsa dinomoro go fihla go 20	16
73	Go hlakantsha le go ntšha – go oketsa le go fokotsa dinomoro	18
74	Botelele	20
75	Tshelete le tshentshi	22
76	Tshelete le tshentshi	24
77	Tshelete: Go hlakantsha le go ntšha	26
78	Difiwa	28
79	Difiwa le nako	30
80	Dihlopha tsa di-5 go fihla go 15	32
81	Di-5: go hlakantsha mo go boeletšwago go fihla go 15	34
82	Dihlano go fihla go 15	36
83	Dipatrone tsa dinomoro tsa di-5 go fihla go 50	38
84	Dipatrone tsa dinomoro tsa di-5 go fihla go 80	40
85	Di-2	42
86	Diripagare	44
87	Dilo tsa mahlakoretharo (3-D)	46
88	Dilo tsa mahlakoretharo (3-D) – Thelela le kgokologa	48
89	Dipatrone tsa geometri	50
90	Dihlopha tsa di-2	52
91	Go hlakantsha di-2 go bušeletša go fihla go 15	54
92	Di-2 go fihla go 15	56
93	Dipatrone tsa di-2 go fihla go 50	58
94	Go lekana	60
95	Dinomoro le kemapalo	62
96	Botelele	64

Diteng	Hlogo	Letlakala
97	Nomoro ye: I6	66
98	Nomoro ye: I7	68
99	Nomoro ye: I8	70
100	Nomoro ye: I9	72
101	Nomoro ye: 20	74
102	Go hlakantsha	76
103	Go ntšha	78
104	Go hlakantsha le go ntšha	80
105	Dipalotatelano	82
106	Dilo le dibopego	84
107	Tshelete	86
108	Tshelete go ya pele	88
109	Dibopego tsa mahlakorepedi (2-D)	90
110	Dibopego tsa mahlakorepedi (2-D) – mahlakore a a lego thwi le a dikgokolo	92
111	Dibopego tsa mahlakorepedi (2-D) gape	94
112	Dihlopha tsa di-5 go fihla go 20	96
113	Di-5: go hlakantsha mo go bušeletšwago go fihla go 20	98
114	Go abagana go fihla go 20	100
115	Dipatrone tsa dinomoro – di-5 go fihla go 100	102
116	Kemo le ponaqalo	104
117	Dihlopha tsa di-2 go fihla go 20	106
118	Di-2: go hlakantsha mo go bušeletšwago go fihla go 20	108
119	Dipatrone tsa dinomoro – di-2 go fihla go 100	110
120	Dipatrone tsa dinomoro – di-2 go fihla go 100	112
121	Boima	114
122	Pedifatša	116
123	Go ripa gare	118
124	Difiwa	120
125	Difiwa gape	122
126	Boteng	124
127	Dipatrone tsa geometri	126
128	Go lekana/Go swana	128



Mdi. Angie Motshekga,  
Tona ya Thuto ya  
Motheo



Ngk. Reginah Mhaule,  
Motlatša-Tona ya Thuto  
ya Motheo

Dipukutšomo tše di tšweleditšwe go thuša bana ba Afrika Borwa ka tlase ga boetapele bja Tona ya Thuto ya Motheo, Mdi. Angie Motshekga, le Motlatša-Tona wa Thuto ya Motheo, Ngk. Reginah Mhaule.

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

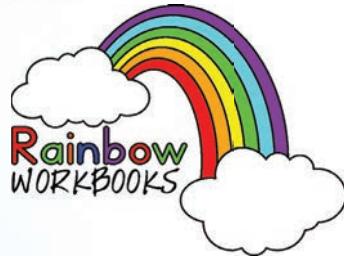
Re hutša gore barutiši ba tla holega ka dipuku tše mošomong wa bona wa tšatši ka tšatši wa go ruta, le go kgonthiša gore barutwana ba kgona go fetša lenanethuto. Re hlokometše gore re hlahle barutiši ditirong ka moka ka go tsenya maswao a ditaetši ao a laetšago seo morutwana a swanetšego go se dira.

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





Mphato  
wa



M m e t s e

KA SEPEDI

Puku ye ke ya:



Puku ya

2

65



Kotara ya 3

## Kwešiša nomoro ye: II

Poeletšo:

Ithute go ngwala dinomoro.



tee

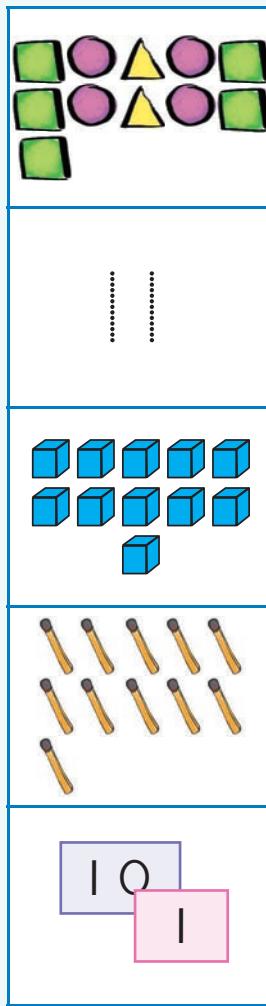
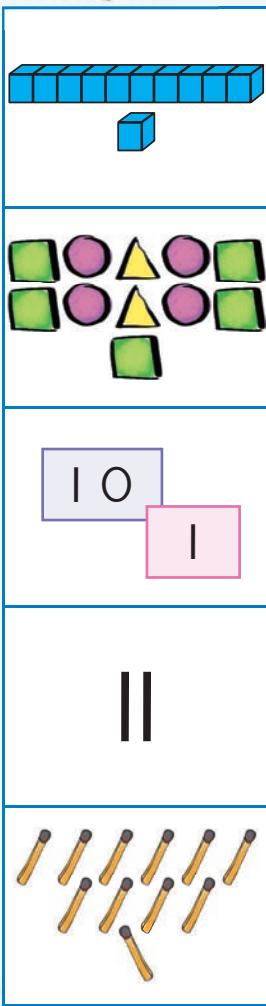


pedi



Nyalanya diswantsho.

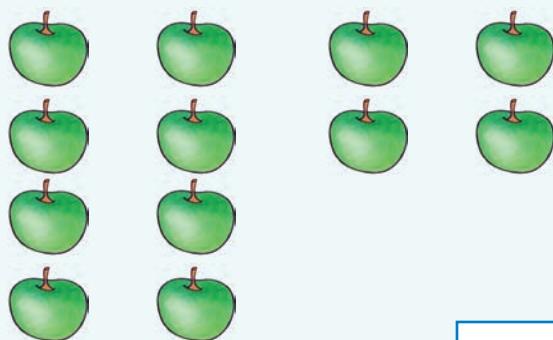


Dira sediko go dilo.



Go šetše malekere a makae?

Dira sediko fela go diapola tše 10.



Go šetše diapola tše kae?



2

0

1

2

3

4

5

6

7

8

9

10



Latela nomoro.

lesometee			



Kholomo ye nngwe  
le ye nngwe e na le  
palomoka ya II.  
Ngwala dinomoro tše  
di tlogetšwego.

3	5	4
4	5	
4		2
II	II	II



Thala dilo tše II.

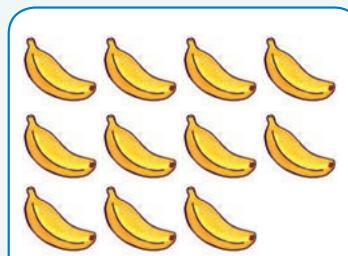


Ngwala dinomoro tše di  
tlogetšwego.

- 1
- 2
- 
- 4
- 



Bala dilo.







Feleletša lenaneo. Mothaloo wo mongwe le wo  
mongwe o na le seswantšho, nomoro le leina la  
nomoro.

  <input type="checkbox"/>		lesometee
		lesometee
II	  <input type="checkbox"/>	
	lesometee	  <input type="checkbox"/>



II ge e fokotšega ka I e ba?

---

II ge e oketšega ka I e ba?

---



Teacher:  
Sign:

Date:



66



## Kwešiša nomoro ye: 12

Poeletšo:

Ithute go ngwala dinomoro.



tharo

3 3

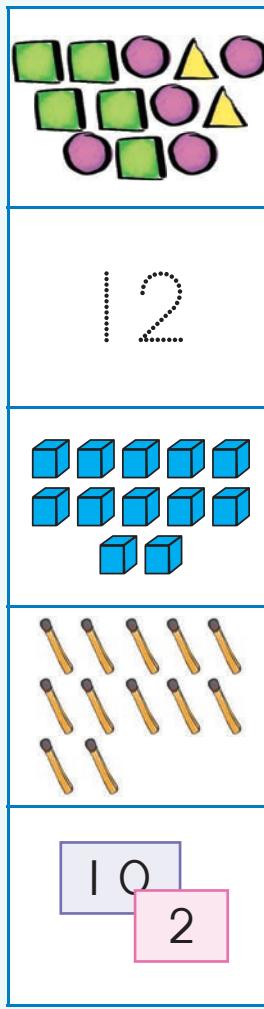
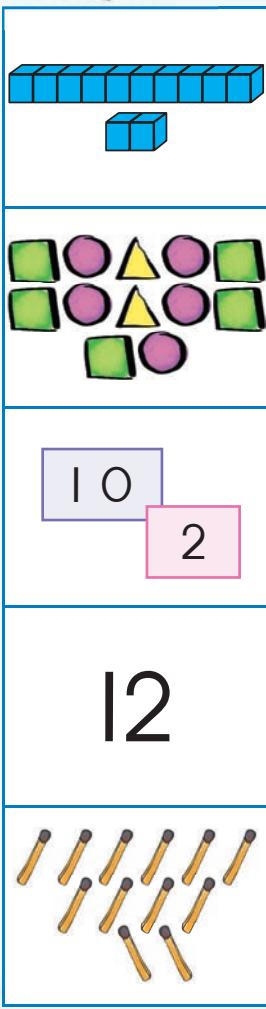


nne

4 4



Nyalanya diswantsho.



Dira sediko go dilo.



Go šetše dieta tše?

Dira sediko fela go dikgopa tše 12.



Go šetše dikgopa tše kae?





Latela nomoro.

12	12	12	12
----	----	----	----

lesomepedi

12	12	12	12
----	----	----	----



Thala dilo tše 12.



Kholomo ye nngwe  
le ye nngwe e na le  
palomoka ya 12.  
Ngwala dinomoro tše  
di tlogetšwego.

	7	6
4		4
3	2	
12	12	12



Ngwala dinomoro tše di  
tlogetšwego.

3		5			
8			11		



Bala dilo.







Feleletša lenaneo. Mothaloo mongwe le wo  
mongwe o na le seswantšho, nomoro le leina la  
nomoro.

		lesomepedi
	12	lesomepedi
		12
	lesomepedi	



12 ge e fokotšega ka l e ba?

---

12 ge e oketšega ka l e ba?

---

Teacher:  
Sign:  
Date:



67



Kotara ya 3

## Kwešiša nomoro ye: 13

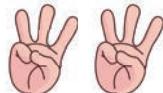
Poeletšo:

Ithute go ngwala dinomoro.



hlano

5 5

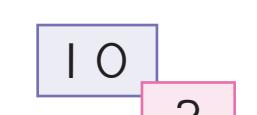
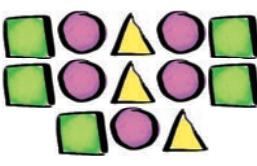
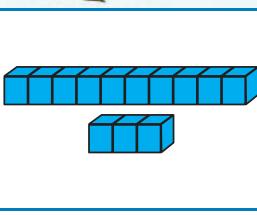


tshela

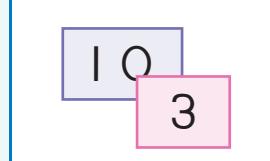
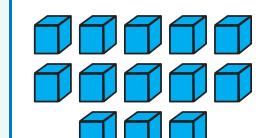
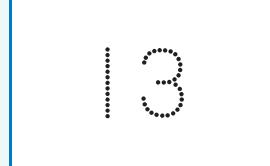
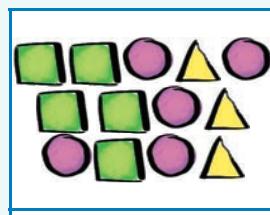
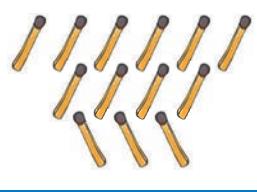
6 6



Nyalanya diswantšho.



13

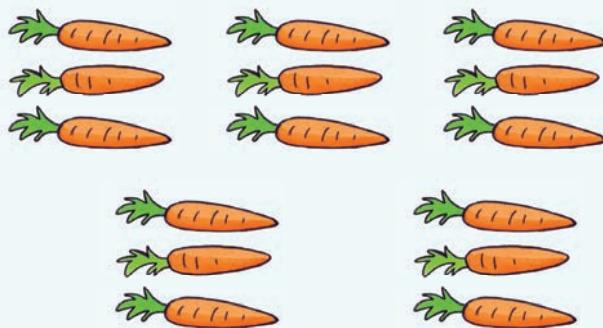


Dira sediko go dilo.



Go šetše dikatse tše kae?

Dira sediko fela go dikherote tše 13.



Go šetše dikherote tše kae?



6

0

1

2

3

4

5

6

7

8

9

10



Latela nomoro.

13	13	13	13
----	----	----	----

lesometharo

13	13	13	13
----	----	----	----

Kholomo ye nngwe  
le ye nngwe e na le  
palomoka ya 13.  
Ngwala dinomoro tše  
di tlogetšwego.

1	2	6
1		
	3	2
13	13	13



Thala dilo tše 13.

Bjale di thale ka mokgwa wa go fapania.



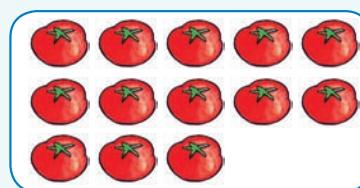
Ngwala dinomoro  
tše di tlogetšwego.

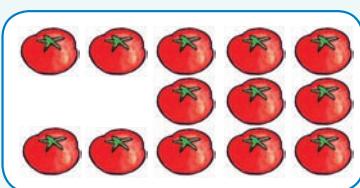
10

12



Bala dilo.







Feleletša lenaneo. Mothaloo mongwe le wo  
mongwe o na le seswantšho, nomoro le leina la  
nomoro.

		lesometharo
	13	lesometharo
13		
	lesometharo	



13 ge e fokotšega ka l e ba?

\_\_\_\_\_

13 ge e oketšega ka l e ba?

\_\_\_\_\_



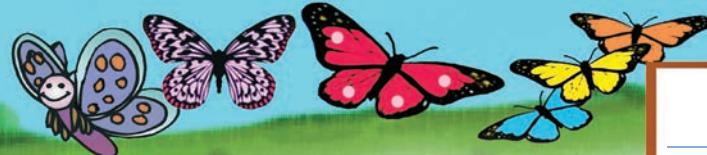
Teacher:

Sign:

Date:

7

68



Kotara ya 3

## Kwešiša nomoro ye: 14

Poeletšo:

Ithute go ngwala dinomoro.



šupa

7 7

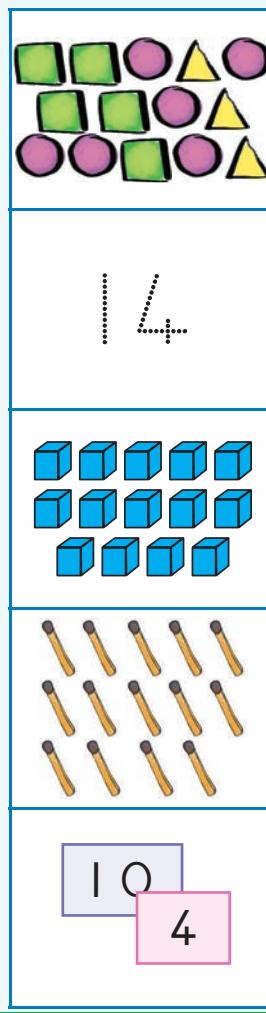
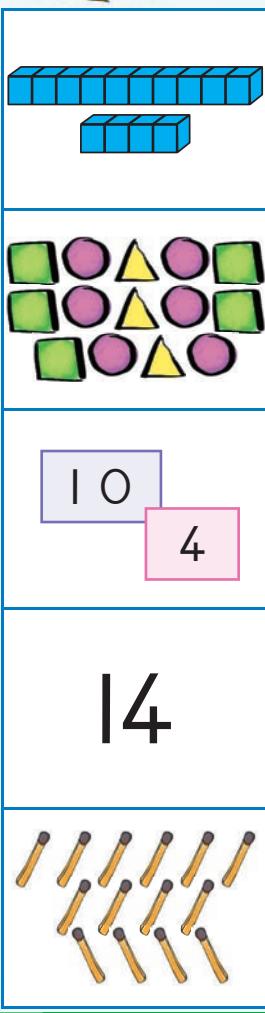


seswai

8 8



Nyalanya diswantsho.



Dira sediko go dilo.



Go šetše dirurubele tše kae?

Dira sediko fela go diroko tše 14.



Go šetše diroko tše kae?



8

0

1

2

3

4

5

6

7

8

9

10



Latela nomoro.

14 14 14 14

lesomenne

14 14 14 14



Thala dilo tše 14.



Kholomo ye nngwe  
le ye nngwe e na le  
palomoka ya 14.  
Ngwala dinomoro tše  
di tlogetšwego.

1		2
	5	1
3	2	
14	14	14



Bala dilo.



Ngwala dinomoro tše di  
tlogetšwego.



Feleletša lenaneo. Mothaloo mongwe le wo  
mongwe o na le seswantšho, nomoro le leina la  
nomoro.

	14	lesomenne
14		
	lesomenne	



14 ge e fokotšega ka l e ba?

14 ge e oketšega ka l e ba?



Teacher:  
Sign:

Date:



69



## Kwešiša nomoro ye: 15

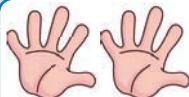
Poeletšo:

Ithute go ngwala dinomoro.



senyane

q q



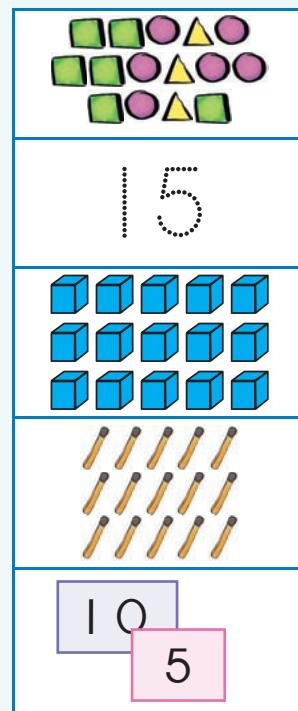
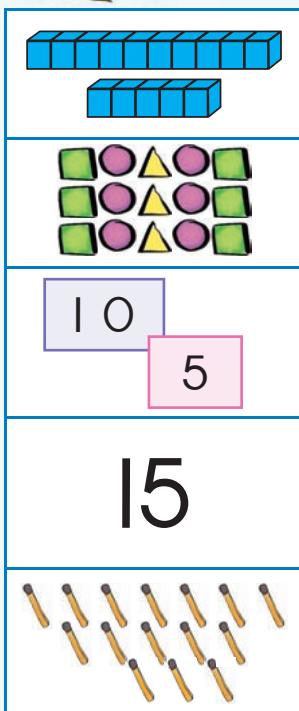
lesome

10 10

Kotara ya 3

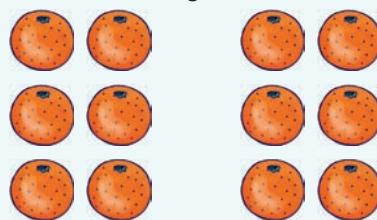


Nyalanya diswantsho.



Dira sediko go dilo.

Dira sediko fela go dinamune tše 10.



Go šetše dinamune tše kae?

Dira sediko fela go dinaledi tše 15.



Go šetše dinaledi tše kae?

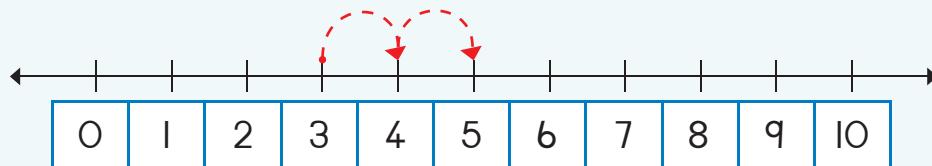
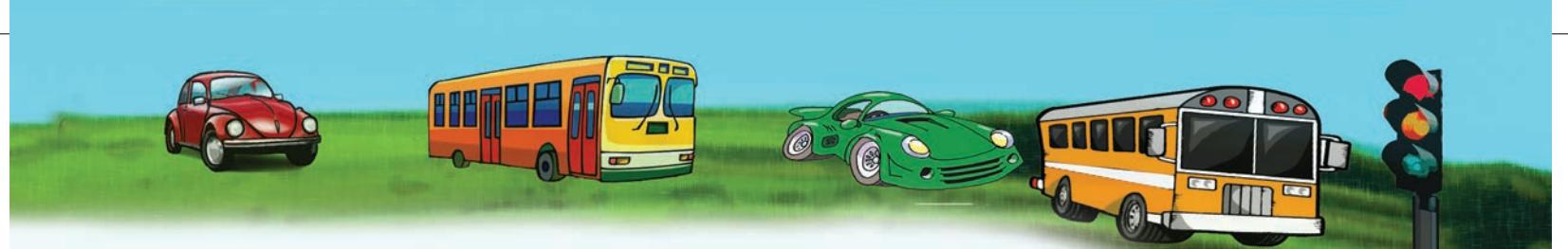


Ngwala dikarabo.



$7 + 2 =$





$$4 + 2 =$$



Latela nomoro.



Thala dilo tše 15.

15	15	15	15
lesomehlano			
15	15	15	15



Ngwala dinomoro tše di tlogetšwego.



Bala dilo.

11	12	13		15		13	12	
----	----	----	--	----	--	----	----	--



Feleletša lenaneo. Mothaloo wo mongwe le wo mongwe o na le seswantšho, nomoro le leina la nomoro.

	15	lesomehlano
		lesomehlano
15		



15 ge e fokotšega ka l e ba?

\_\_\_\_\_

15 ge e oketšega ka l e ba?

\_\_\_\_\_



Teacher:  
Sign:  
Date:



70



# Go hlakantšha go fihla go 20 – Go bala go tšwela pele

Poeletšo:

Ithute go ngwala leina la nomoro.

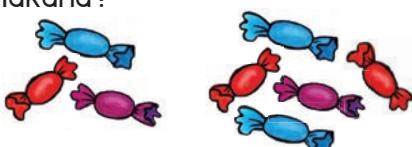
6

tshela



Lebelela seswantšho gomme o ngwale lefokopalo go seswantšho se sengwe le se sengwe.

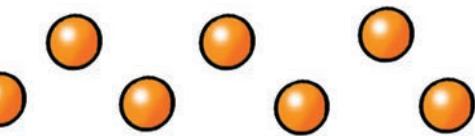
Lisa o na le malekere a 3. Motswaledi o na la malekere a 5. Ba na le malekere a makae ge a hlakana?



A re baleng:

3	4	5	6	7	8
	...				
	+				=

Ke be ke na dimabolo tše 8 gomme ka timetša tše 4. Ke šaletšwe ke dimabolo tše kae?

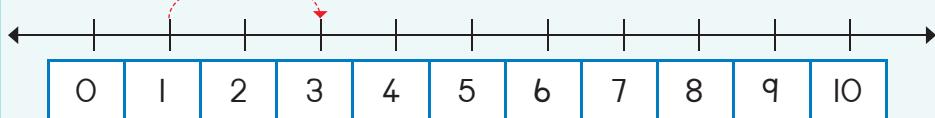


A re baleleng morago.

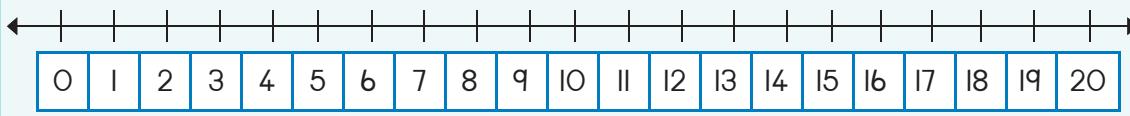
8	7	6	5	4
	...			
	-			=



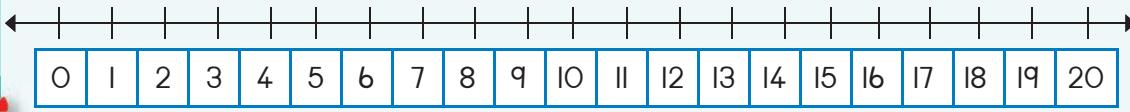
Ngwalang dikarabo.



$1 + 2 = \boxed{\phantom{0}}$



$13 + 2 = \boxed{\phantom{0}}$

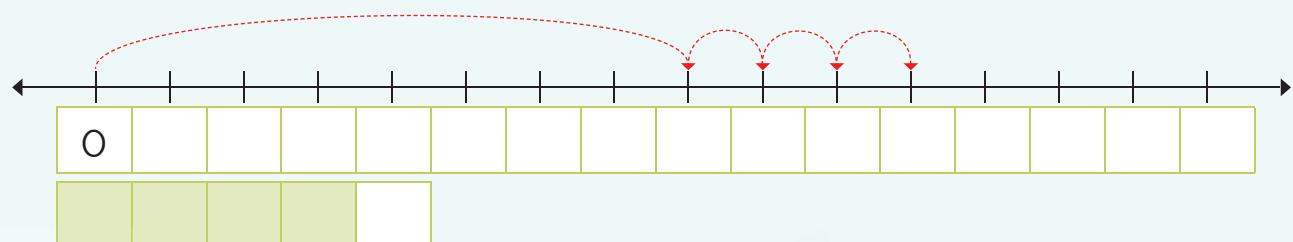
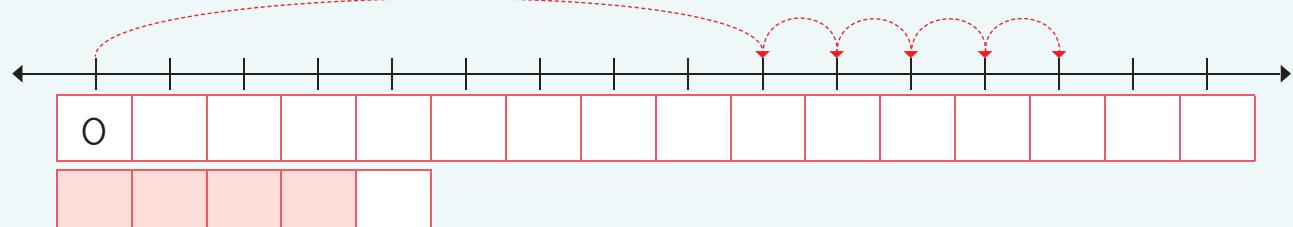
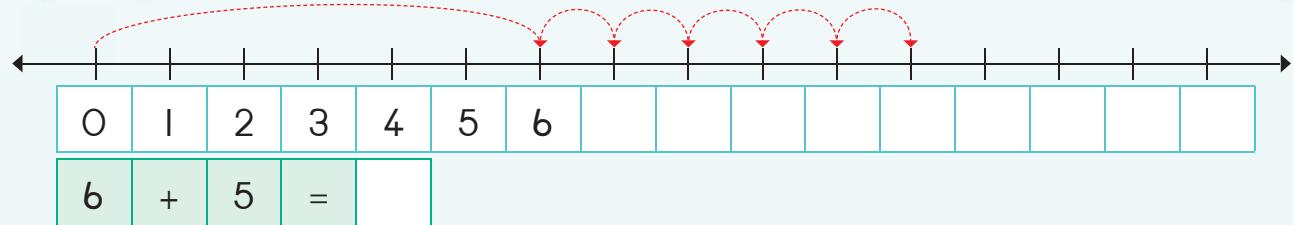


$15 + 2 = \boxed{\phantom{0}}$





Ngwala dinomoro mo go mothalopalo gomme o ngwale lefokopalo ka nomoro ye nngwe le ye nngwe.



Oketsha ka 2.

3	5
4	
2	



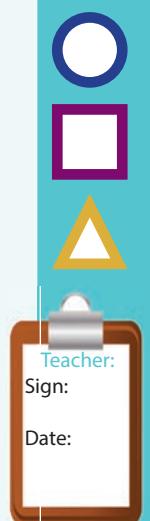
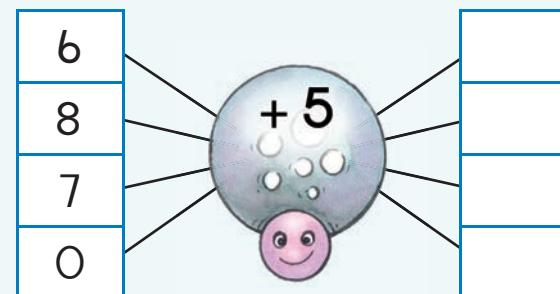
Ngwala dinomoro.

Thuša segokgo go fetša palo.

Ke na le mengwaga ye 7. Ke tla ba ke na le mengwaga ye mekae ka morago ga mengwaga ye 5?

7					
---	--	--	--	--	--

Ke tla be ke na le mengwaga ye \_\_\_\_\_.



71



Letšatšikgwed!

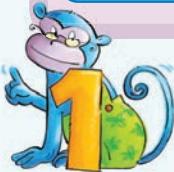
## Go hlakantšha – go oketša le go fokotša dinomoro go fihla go 10

Poeletšo:

Ithute go ngwala leina la nomoro.

7

šupa



Ngwala karabo.



Khalara go laetša tše di latelago.

$3 + 3 = \square$



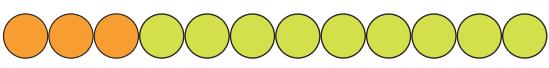
$0 + 5 = \square$



$3 + 2 + 1 = \square$



$3 + 9$



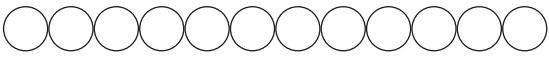
$4 + 8$



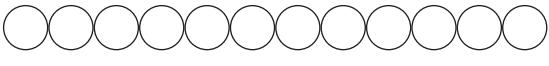
$5 + 7$



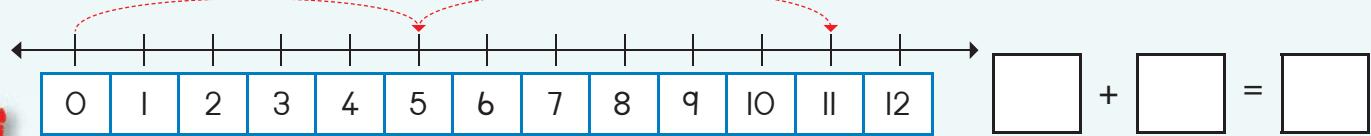
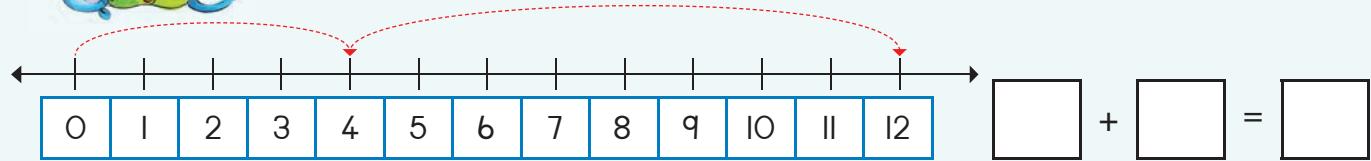
$6 + 6$



$7 + 5$

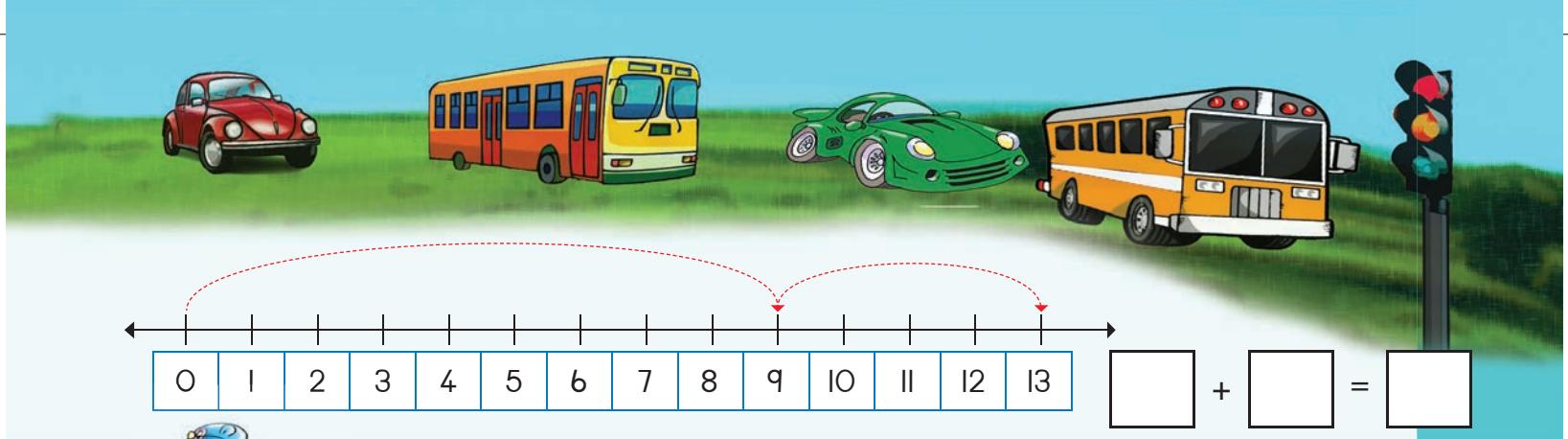


Ngwala palo ya:

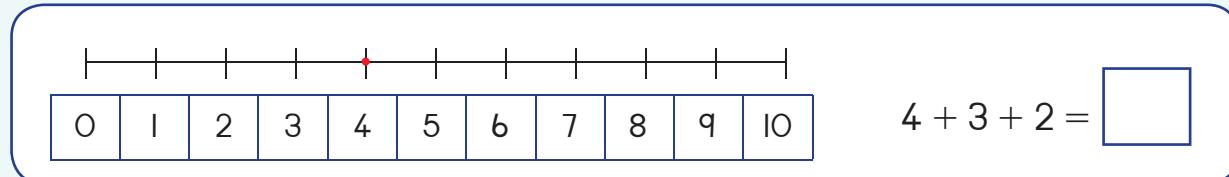
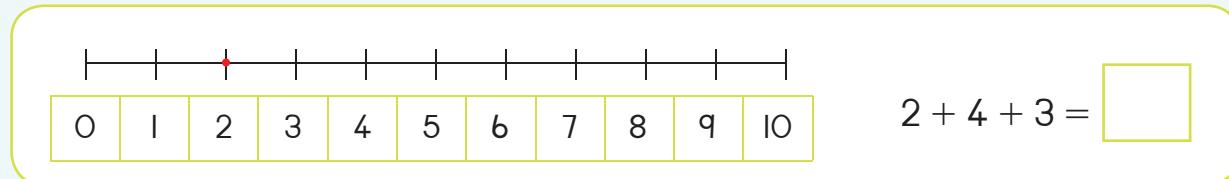
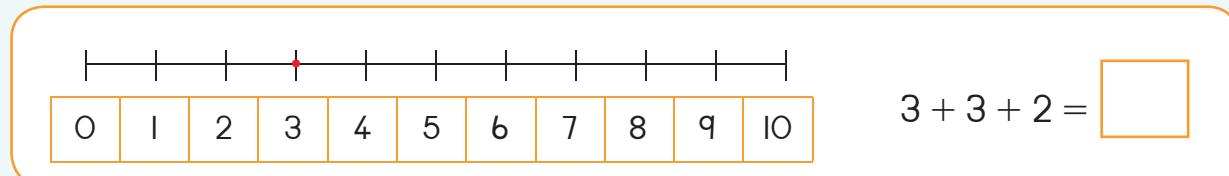
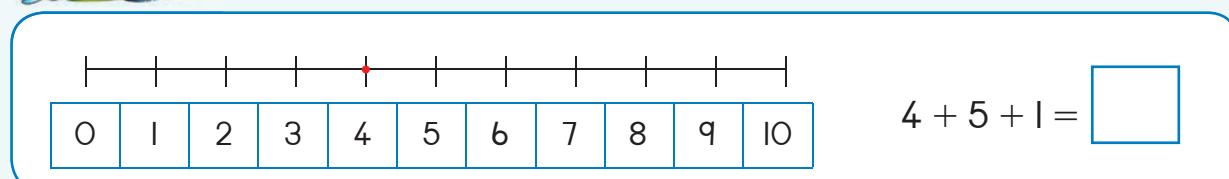


14

0 1 2 3 4 5 6 7 8 9 10



Feleletša mothalopalo gomme o ngwale karabo.



Rarolla se se latelago ka go thala diswantšho.

Ke na le dimabolo tše 5 gomme mogwera wa ka o na le tše 8. Re na le dimabolo tše kae ge di hlakana?

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

Ke swaretše morutiši wa rena matšoba a 9 gomme mogwera wa ka o mo swaretše a 6. Re swere matšoba a makae ge a hlakane?

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



72



Kotara ya 3

## Go hlakantšha – go oketša le go fokotša dinomoro go fihla go 20

Poeletšo:

Ithute go ngwala leina la nomoro.

8

seswai

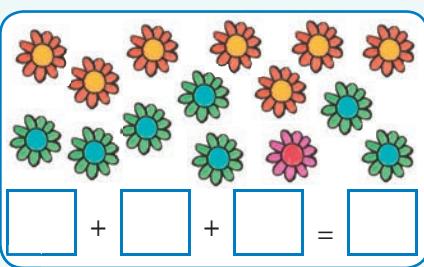
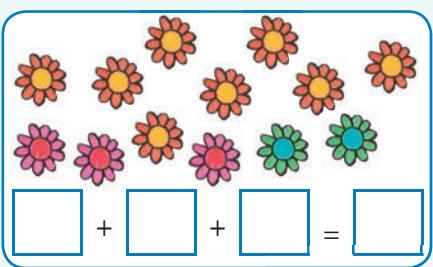
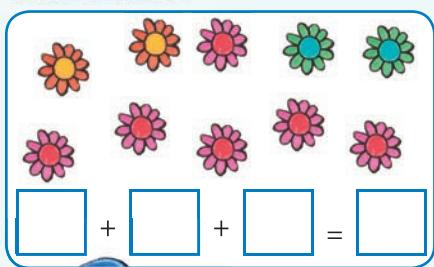


Ngwala karabo.

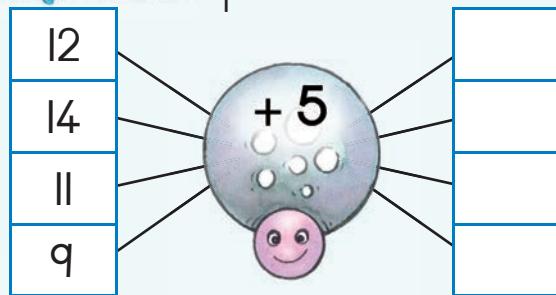
$0 + 2 =$		$2 + 2 =$		$4 + 2 =$		$6 + 2 =$		$8 + 2 =$	
$10 + 2 =$		$12 + 2 =$		$14 + 2 =$		$16 + 2 =$		$18 + 2 =$	



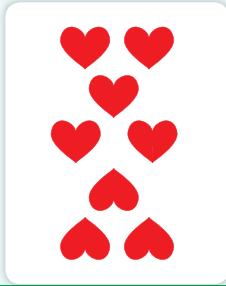
Šomiša matšoba a mebala ya go fapano go dira lefokopalo la gago.



Thuša segokgo go fetša dipalo.



Dipelo tše kae?



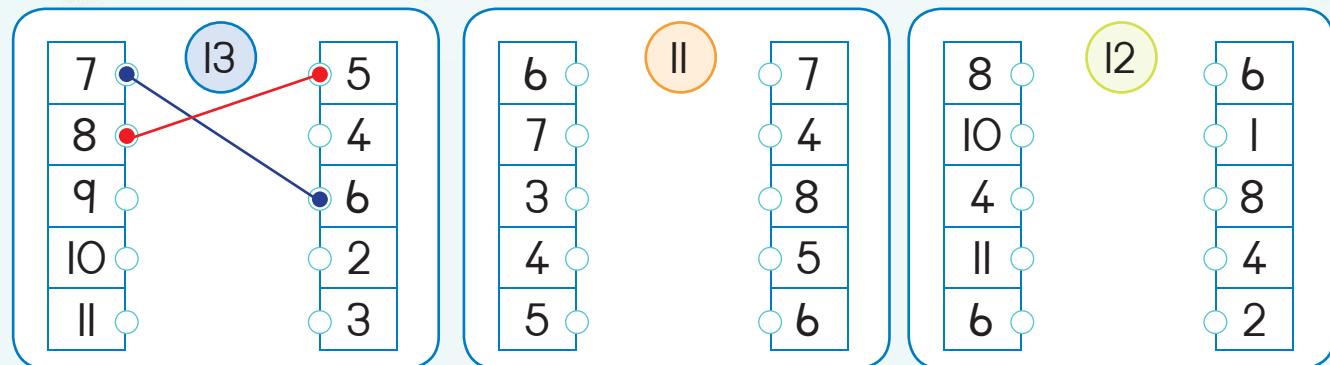
Itirele palo.

$$[ ] + [ ] = [ ]$$

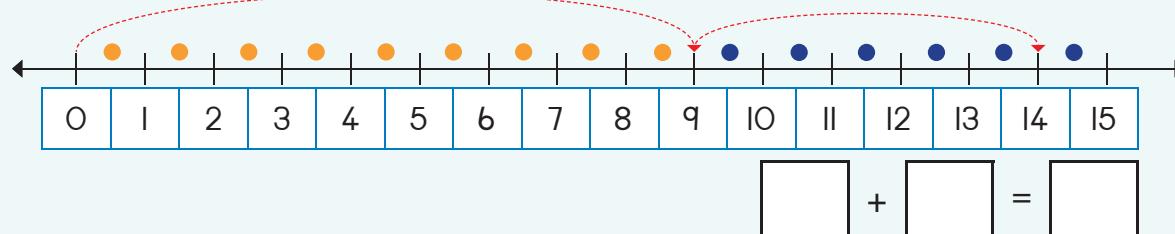
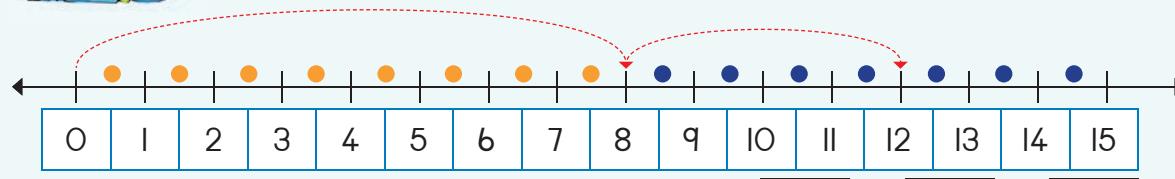




Nyalanya diphere tša dinomoro go dira dinomoro tše di latelago.



Ngwala lefokopalo la:



Poeletšo:

Poeletšo: Khalara karabo ya maleba.

ka pele	ka pele	ka pele	ka pele
ka morago	ka morago	ka morago	ka morago
ka mathoko	ka mathoko	ka mathoko	ka mathoko



Teacher:  
Sign:  
Date:



73



## Go hlakanla nomoroa le go ntšha – go oketša le go fokotša dinomoro

Poeletšo:

Ithute go ngwala leina la nomoro.

9

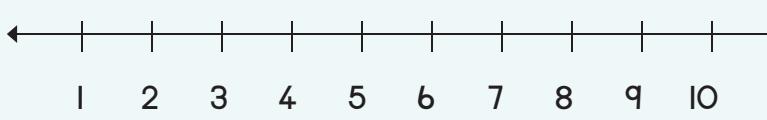
senyane



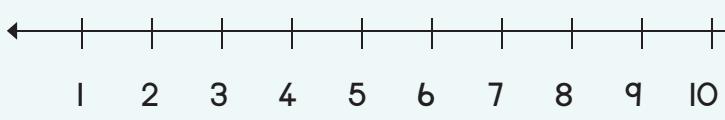
Ngwala karabo.



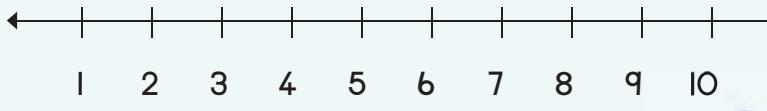
$4 - 1 =$



$5 - 3 =$



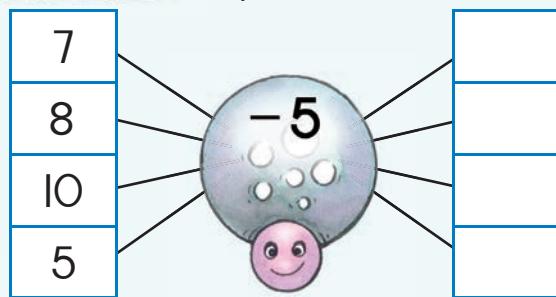
$4 - 2 =$



$5 - 2 =$



Thuša segokgo go fetša  
dipalo.



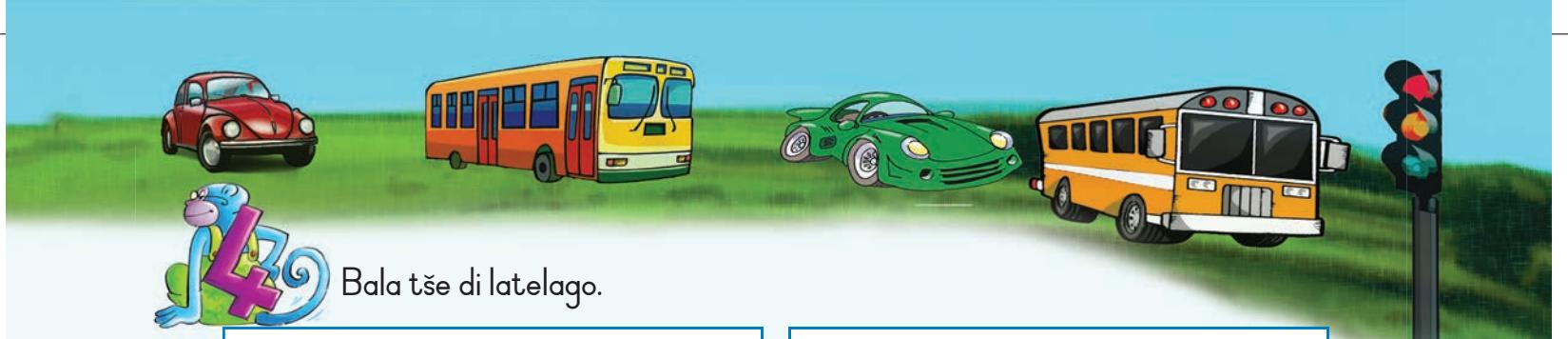
Dipelo tše kae?



Itirele palo.

$\square + \square = \square$





Bala tše di latelago.

$$\begin{array}{r} 7 \\ + \quad 4 \\ \hline \end{array} = \boxed{\phantom{00}}$$

$$\begin{array}{r} 7 \\ + \quad 4 \\ + \quad 1 \\ \hline \end{array} = \boxed{\phantom{00}}$$

$$\begin{array}{r} 10 \\ + \quad 1 \\ \hline \end{array} = \boxed{\phantom{00}}$$

$$\begin{array}{r} 6 \\ + \quad 6 \\ \hline \end{array} = \boxed{\phantom{00}}$$

$$\begin{array}{r} 6 \\ + \quad \boxed{\phantom{00}} \\ + \quad \boxed{\phantom{00}} \\ \hline \end{array} = \boxed{\phantom{00}}$$

$$\begin{array}{r} 10 \\ + \quad \boxed{\phantom{00}} \\ \hline \end{array} = \boxed{\phantom{00}}$$

$$\begin{array}{r} 13 \\ - \quad 6 \\ \hline \end{array} = \boxed{\phantom{00}}$$

$$\begin{array}{r} 13 \\ - \quad 3 \\ + \quad 3 \\ \hline \end{array} = \boxed{\phantom{00}}$$

$$\begin{array}{r} 10 \\ - \quad 3 \\ \hline \end{array} = \boxed{\phantom{00}}$$

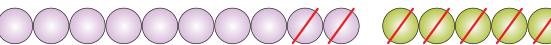
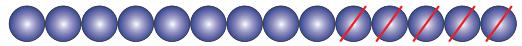
$$\begin{array}{r} 12 \\ - \quad 8 \\ \hline \end{array} = \boxed{\phantom{00}}$$

$$\begin{array}{r} 10 \\ - \quad \boxed{\phantom{00}} \\ + \quad \boxed{\phantom{00}} \\ \hline \end{array} = \boxed{\phantom{00}}$$

$$\begin{array}{r} 10 \\ - \quad 3 \\ \hline \end{array} = \boxed{\phantom{00}}$$



Ngwala dikarabo gomme o khalare o be o thale.

$8 + 6 = \boxed{\phantom{00}}$  Gape re ka e laetša ka tsela ye:  $(8 + 2) + 4 = \boxed{\phantom{00}} \rightarrow 10 + 4 = \boxed{\phantom{00}}$	$15 - 7 = \boxed{\phantom{00}}$  Gape re ka e laetša ka tsela ye:  $(15 - 5) - 2 = \boxed{\phantom{00}} \rightarrow 10 - 2 = \boxed{\phantom{00}}$
$9 + 4 = \boxed{\phantom{00}}$  Gape re ka e laetša ka tsela ye:  $(9 + 1) + 3 = \boxed{\phantom{00}} \rightarrow 10 + 3 = \boxed{\phantom{00}}$	$14 - 5 = \boxed{\phantom{00}}$  Gape re ka e laetša ka tsela ye: $(14 - 4) - 1 = \boxed{\phantom{00}} \rightarrow 10 - 1 = \boxed{\phantom{00}}$

Poeletšo:

Ithute go ngwala leina la nomoro.

10

lesome

Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

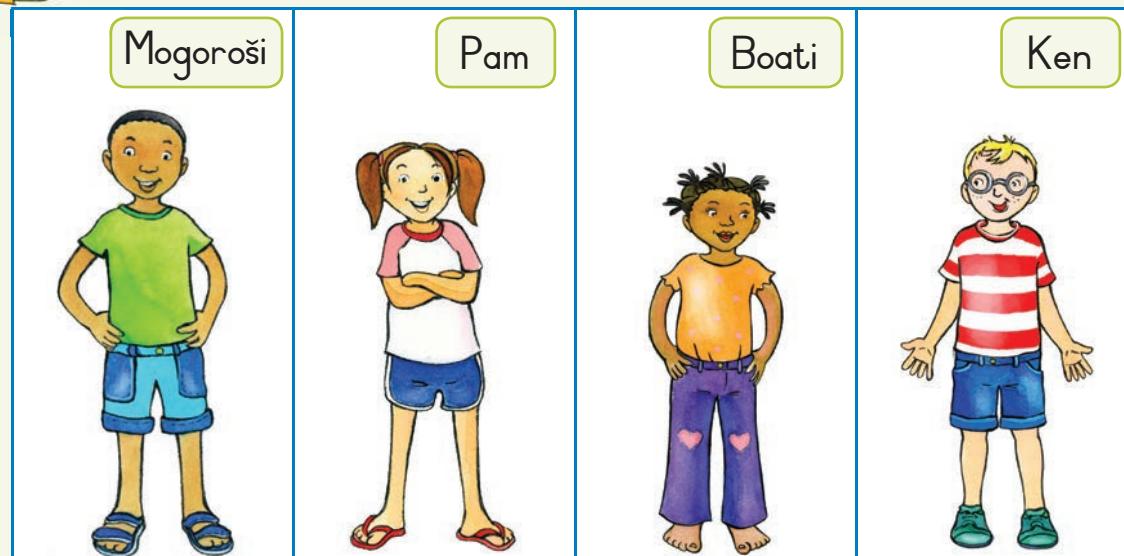


74



Lebelela seswantšho gomme o arabe dipotšišo.

Kotara ya 3



Ke mang yo a lego yo motelele go feta?

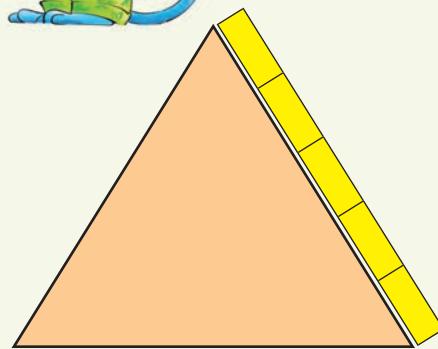
Mošemane yo mokopana go feta ke mang?

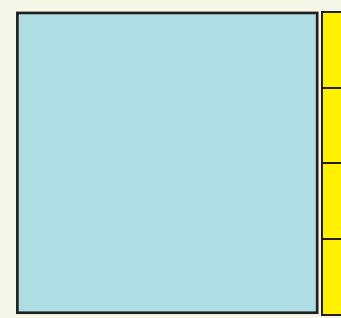
Ke mang yo a lego yo mokopana go feta?

Mosetsana yo motelele go feta ke mang?



Mathoko a dibopego tše ke a botelele bja dipoloko tše kae?









20

0

1

2

3

4

5

6

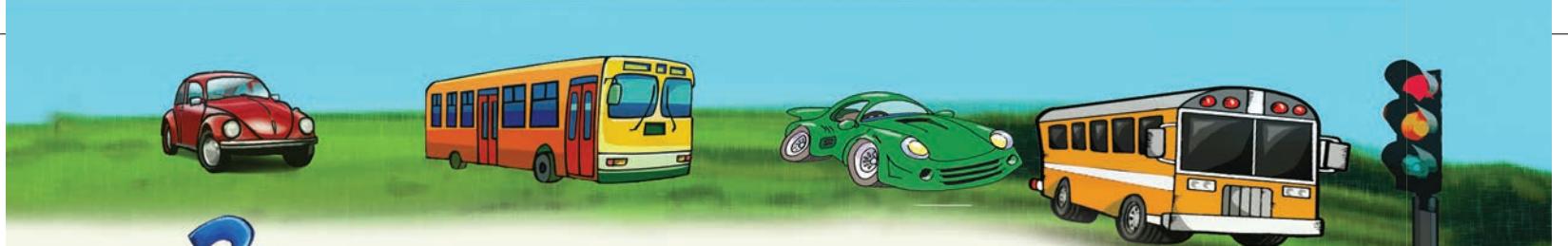
7

8

9

10

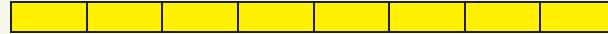
Letšatšikgwed!



Botelele le bopphara bja tafola ka dipoloko le ka phensele ke bokae?



Bopphara bja tafola ke dipoloko tše \_\_\_\_.



Botelele bja tafola ke dipoloko tše \_\_\_\_.



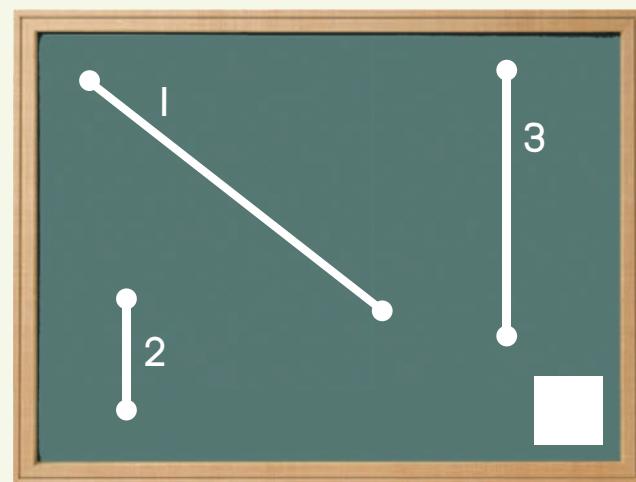
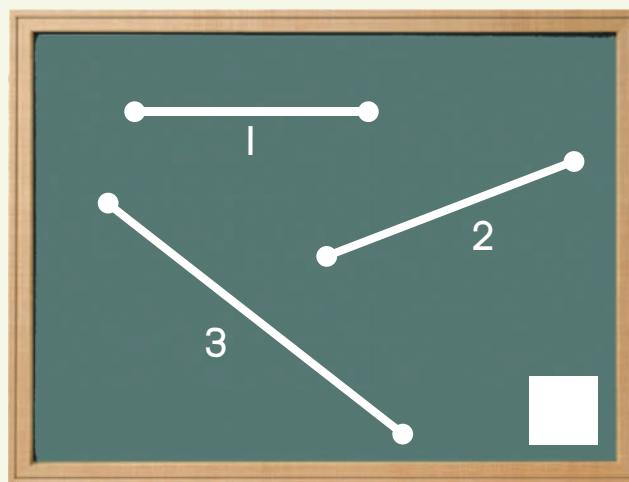
Bopphara bja tafola ke dipoloko tše \_\_\_\_.

Botelele bja tafola ke dipoloko tše \_\_\_\_.



Ke mothalo ofe wo o lego wo mokopana go feta?  
Mothalo 1, 2 goba wa 3?

Ke mothalo ofe wo o lego wo motelele go feta?  
Mothalo 1, 2 goba 3.



75

Kotara ya 3



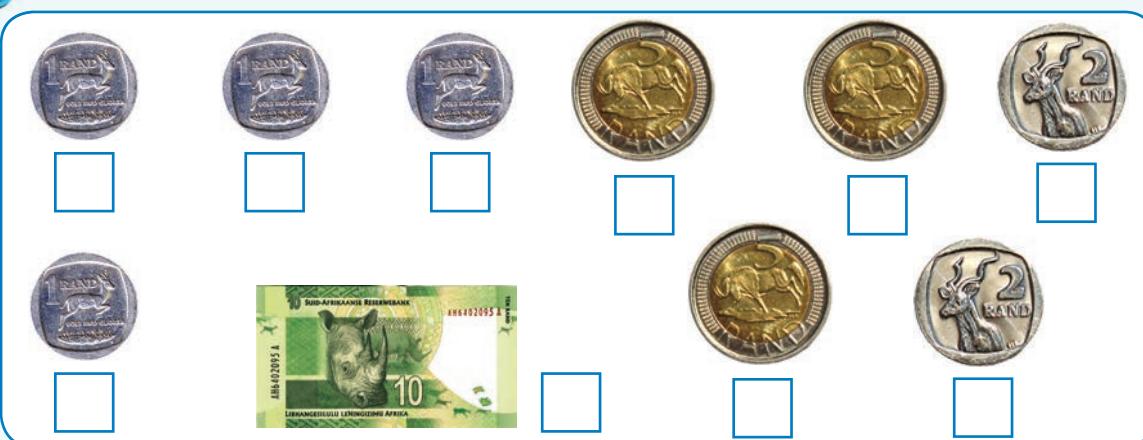
Swaya palo ya godimo go feta mothalong wo mongwe le wo mongwe.



Swaya dikhoine tše di tlago go go fa RIO.



Swaya dikhoine tše di tlago go go fa R20.



22

0 1 2 3 4 5 6 7 8 9 10

Letšatšikgwedzi:



Bala tše di latelago.

R5 + RIO =		R5 + R2 + R8 =		RIO + RIO =	
R3 + RIO + R2 + R2 =		R5 + R7 + RI + R5 =		RIO + RI + R5 + R2 =	



Rarolla tše di latelago:

Ke na le R2 ya dikhoine le R5 ya dikhoine. Mogwera wa ka o na le di-R2 tše tharo tša dikhoine. Ke mang yo a nago le tšelete ye ntši go feta?

Ke na R5 ya khoine le RI ya khoine. Mogwera wa ka o na le di-R5 tše tharo tša dikhoine. Ke mang yo a nago le tšelete ye ntši go feta?



Ke na le RI5:

Ke lefa:

Tšhentšhi:



Bala tše di latelago:

R4 + R 7 = RII	R4
R6 + R 9 =	
R8 + R3 =	
R2 + RII =	
R3 + R8 =	
R6 + R8 =	
RO + R2 =	
R2 + R2 =	
R4 + R2 =	
R6 + R2 =	

Ke na le RI5. Ke reka sephuthelwana sa ditšhepisi ka R6. Ke šetše ka bokae?



E fokotše ka R2.

RII		R4	
RI2		R6	
RIO		R8	



Teacher:  
Sign:  
Date:

76

Kotara ya 3



Thala dikhoine tša go dira:

R11	
RI2	
RI3	
RI4	



Swaya gomme o ngwale karabo ya maleba.

$$RI8 - R8 = \boxed{\phantom{00}}$$



$$RI2 - R2 = \boxed{\phantom{00}}$$



$$RI5 - R4 = \boxed{\phantom{00}}$$



$$RI4 - R7 = \boxed{\phantom{00}}$$



Ngwala dikarabo tša tše di latelago:

$$RI5 - RIO = \boxed{\phantom{00}}$$

$$RIO - RI - RI - R2 = \boxed{\phantom{00}}$$

$$R2O - R2 - R8 = \boxed{\phantom{00}}$$

$$R5 - R4 = \boxed{\phantom{00}}$$

$$R2O - R5 = \boxed{\phantom{00}}$$

$$RIO - RI - R5 - R2 = \boxed{\phantom{00}}$$



0

1

2

3

4

5

6

7

8

9

10

## Tšhelete le tšhentšhi

Letšatšikgwedzi:

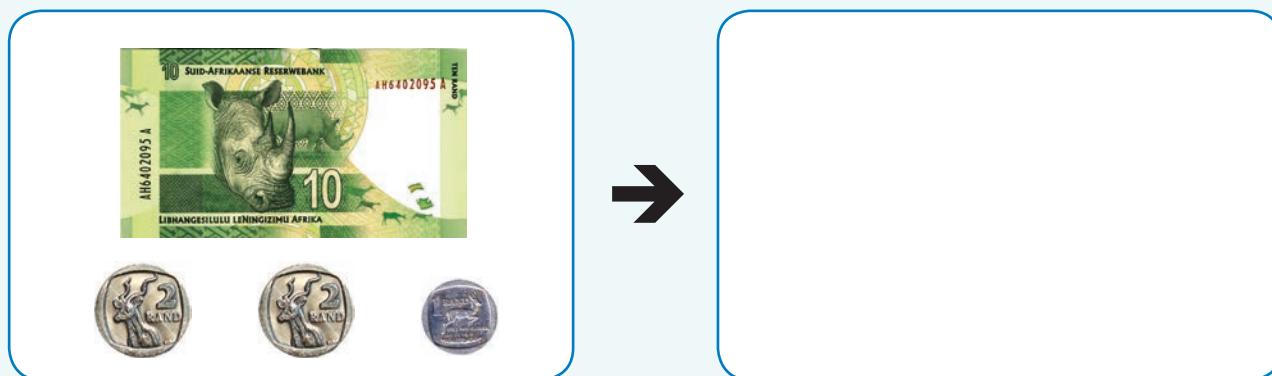


Ngwala dikarabo tša tše di latelago:

Ke na le RI5. Ke reka ka:	Ke šetše ka bokae?
R2 le ka R4 =	R9
R8 le ka R4 =	
RI2 le ka R2 =	
R5 le ka R5 =	
R8 le ka R7 =	
RI0 le ka R2 =	
R8 le ka R2 =	
R6 le ka R2 =	
R4 le ka R2 =	
R2 le ka R2 =	
R9 le ka R6 =	
RI0 le ka R2 =	



Ke na le RI5. Ke reka sephuthelwana sa malekere ka RII.  
Dira seswantšho sa go laetša gore o šetše ka bokae.



77



## Tšhelete: Go hlakantšha le go ntšha

Kotara ya 3

Ngwala dikarabo tša tše di latelago:

RIO + R2 =	
RIO + R4 =	
R9 + R5 =	
RI2 + R5 =	

RIO + R5 =	
RIO + R7 =	
R8 + R4 =	
RI4 + R2 =	

RIO + RI =	
RIO + R6 =	
R7 + R6 =	
RII + R6 =	



Ngwala dikarabo tša tše di latelago:

RIO - R7 =	
RI5 - RI =	
RI2 - R2 =	
RI5 - R6 =	

RIO - R2 =	
RI5 - RI5 =	
RI4 - R7 =	
RI2 - R9 =	

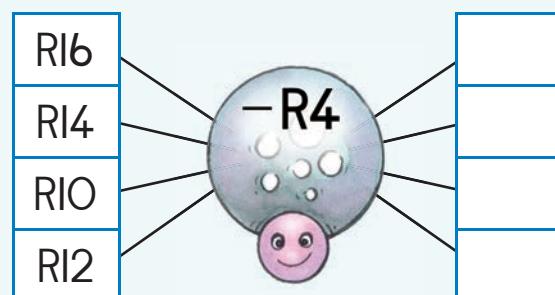
RIO - R5 =	
RI5 - R2 =	
RI6 - R6 =	
RI4 - R4 =	



Thuša segokgo go fetša dipalo ka moka.



E fokotše ka R2.



R4 - R2 =	
-----------	--



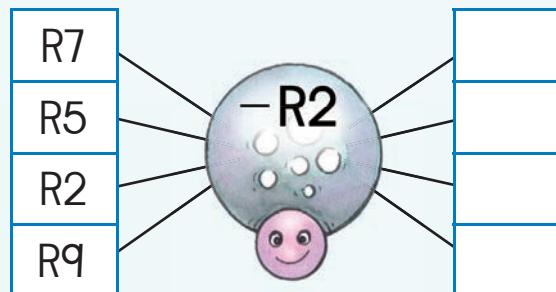
R7 - R2 =	
-----------	--





5

Thuša segokgo go dira dipalo ka moka tša go ntšha.



6

Rarolla tše di latelago.

O be o na le R12. Mmago o go file R5.  
O na le bokae bjale?

O na le R19. O reka lelekere ka R8.  
O šetše ka bokae?

7

Ke bolokile bokae?



8

Bontšha palo mo go mothalopalo gomme o hwetše karabo.



Teacher:  
Sign:  
Date:



78

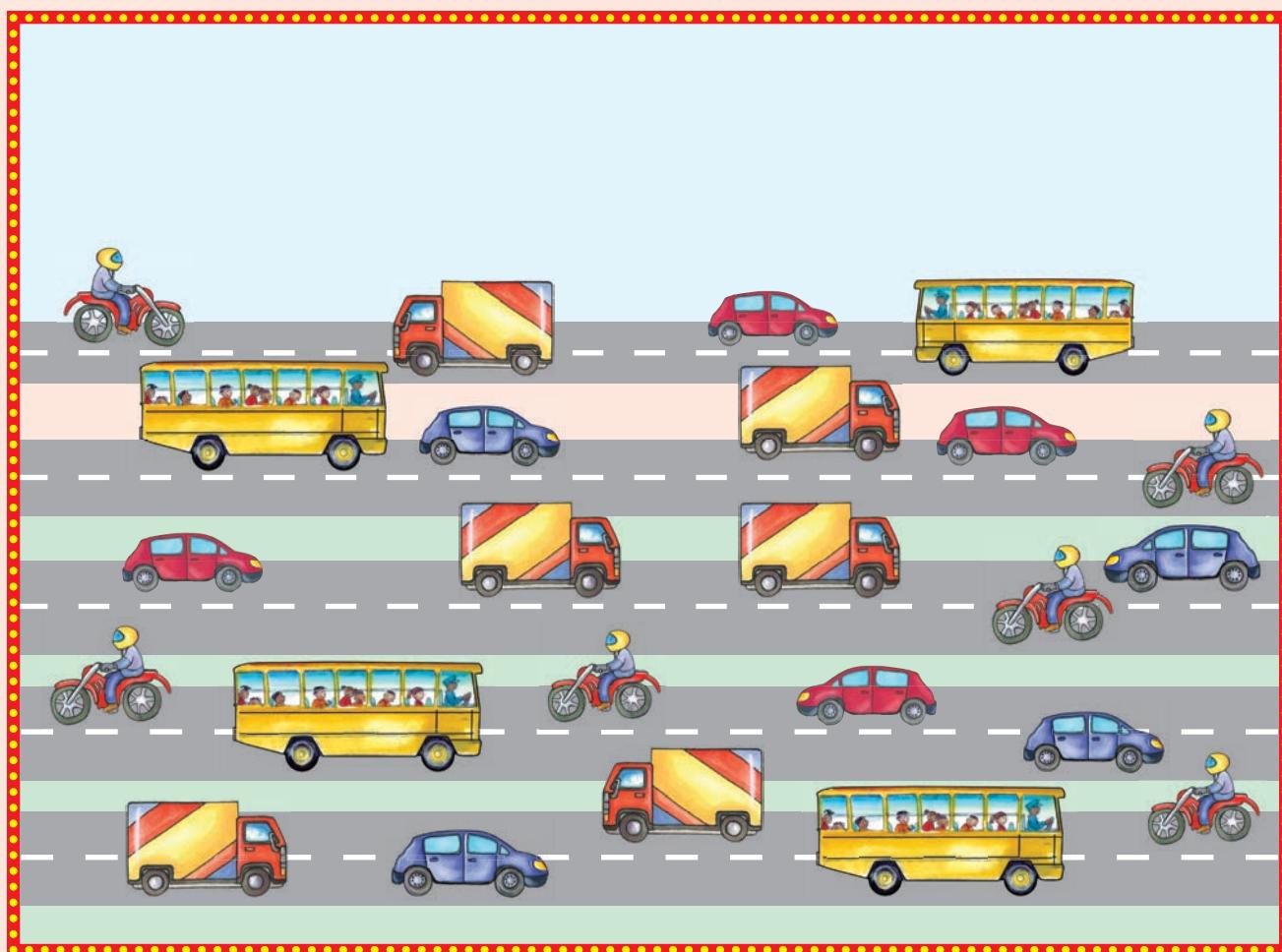


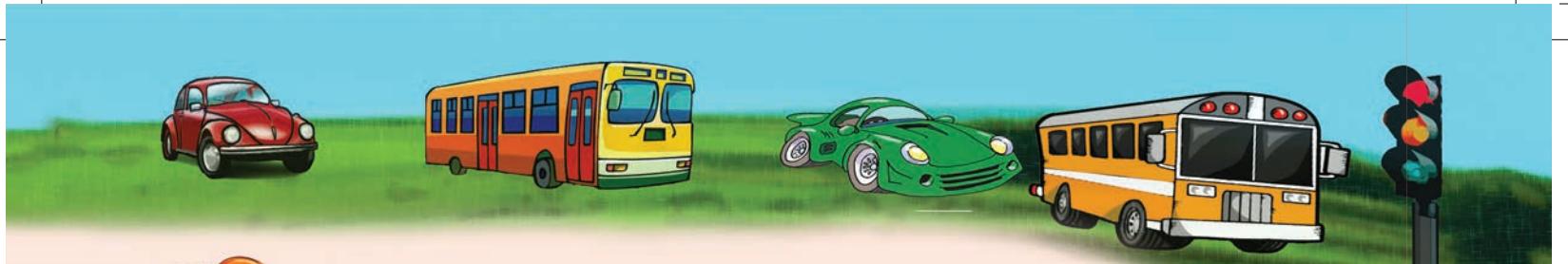
Bala gore o kguna go bona mehuta efe ka moka ya difatanaga.

Kotara ya 3

## Difiwa

Letšatšikgwedi:





Bala dibopego le mebala mo papetleng ya mo tlase go bontšha gore go na le tše kae mohuteng wo mongwe le wo mongwe.  
Bjale, araba dipotšišo.



5						
4						
3						
2						
1						
	▲	●	■	◆	★	○

\_\_\_\_\_ ke tše ntši go feta.

\_\_\_\_\_ ke tše nnyane go feta.

Teacher:  
Sign:  
Date:



79

Kotara ya 3



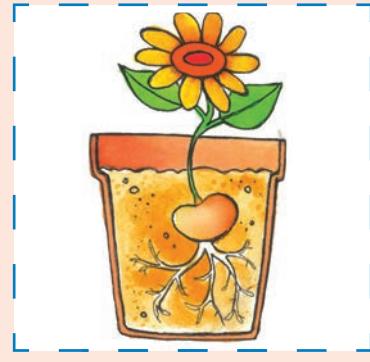
Bolela ka ga diswantsho tše gomme o di bee ka tatelano ya maleba.

## Difiwa le nako

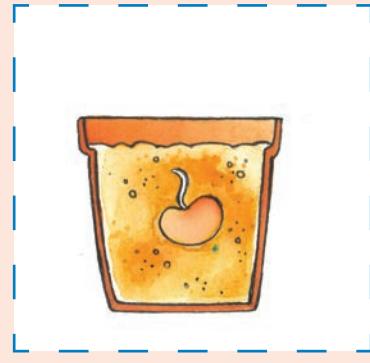
Letšatšikgwedzi



1



2



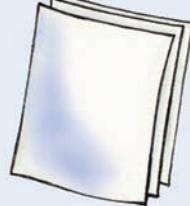
3



4



Šomiša dikarata tša go hlopha go tšwa go Sesegwa sa | o  
feleletše diswantšho.



--	--	--	--



Teacher:  
Sign:  
Date:



80



## Dihlopha tša di-5 go fihla go 15

Kotara ya 3

Poeletšo:

Ithute go ngwala leina la nomoro.

5

hlano



Lebelela seswantšho gomme o arabe dipotšišo.



Lebelela seswantšho.

Re ka e ngwala ka tsela ye:

O dira dihlopha tše kae tša di-15?

Thala ya gago mo.



Sehlopha se tee (I) sa  
di-5 ke 5



Bala menwana gomme o ngwale karabo.



$$5 + 5 =$$



$$5 + 5 + 5 =$$



$$5 + 5 + 5 + 5 =$$

Dihlopha tše pedi (2)  
tša di-5 ke 10



32

0

1

2

3

4

5

6

7

8

9

10

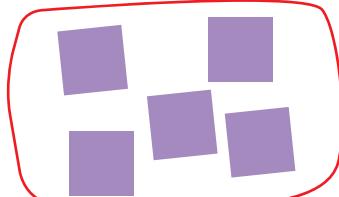


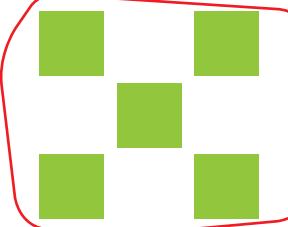
Thala didiko go dikologa  
tše di latelago go dira:



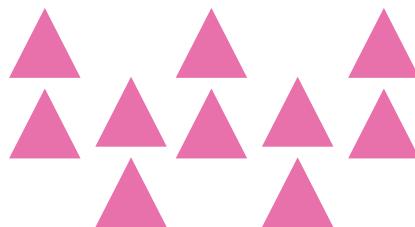
Ngwala mafokopalo a tše  
di latelago:

Sehlopha se tee (I) sa di -5



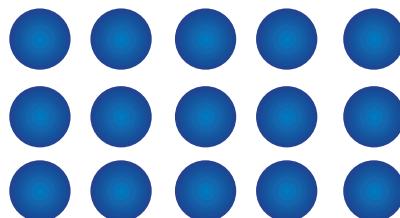


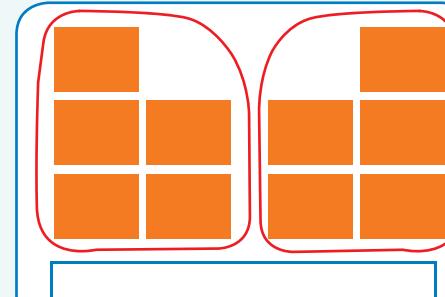

Dihlopha tše 2 tša di -5






Dihlopha tše 3 tša di -5







Ke dihlopha tše kae tša di -5 tše o ka di dirago ka?

10	le	0		dihlopha
8	le	2		dihlopha
6	le	4		dihlopha
4	le	1		dihlopha
2	le	3		dihlopha



81



Kotara ya 3

## Di-5: go hlakantšha mo go boeletšwago go fihla go l5

Poeletšo:

Poeletšo: Ngwala dinomoro tše di tlogetšwego.



Go na le menwana ye mekae ya maoto le ye mekae ya diatla?  
Ngwala lefokopalo la yona.



Sehlopha sa dipanana tše hlano.

Dihlopha tše pedi tša matšoba a 5  
sehlopha se sengwe le se sengwe.

Thala:



Thala dibopego tša tše di latelago.

$$\boxed{5} + \boxed{5} = \boxed{10}$$

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



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

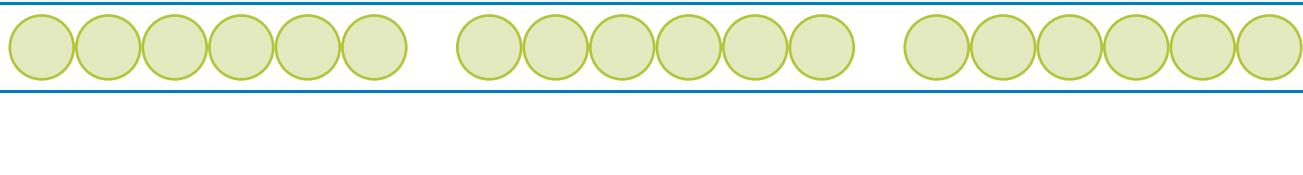




Dira sediko o be o bale gore o ka dira dihlopha tše kae tša  
dihlano karateng ye nngwe le ye nngwe.



Ngwala lefokopalo la:



Šomiša mebala go laetša dinomoro tše o tla di šomišago go dira dihlopha  
tša di-5.

I	2	3	4	5	6	7	8	q	10
II	I2	I3	I4	I5					



O ka dira dihlopha tše kae tša di-5 ka tše di latekago?

I	le	I4	di tla dira dihlopha tše	
I3	le	2	di tla dira dihlopha tše	
8	le	2	di tla dira dihlopha tše	
7	le	8	di tla dira dihlopha tše	
q	le	2	di tla dira dihlopha tše	



Teacher:  
Sign:  
Date:



Letšatšikgwedi:

## Dihlano go fihla go 15

Kotara ya 3



Ngwala dinomoro tše di tlogetšwego.

I		3		5		7	8	q	
II	I2								

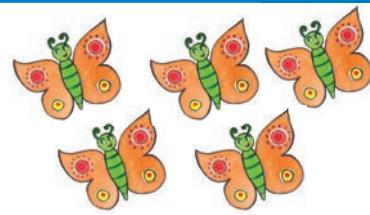
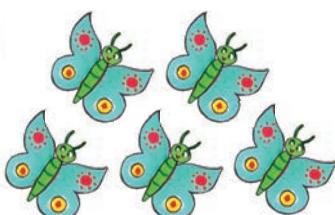
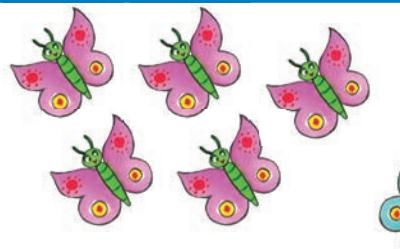
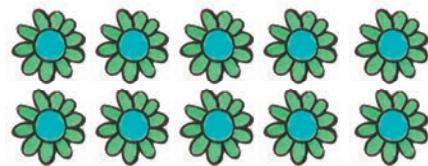


Dira dihlopha tša di-5. Podilekgwana ye nngwe le ye nngwe e swanetše go ba le marontho a mahlano a maso lefegong le lengwe le le lengwe.  
Thala marontho a a tlogetšwego.





Ngwala lefokopalo la tše di latelago.



Ngwala dikarabo tše tše di latelago:

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

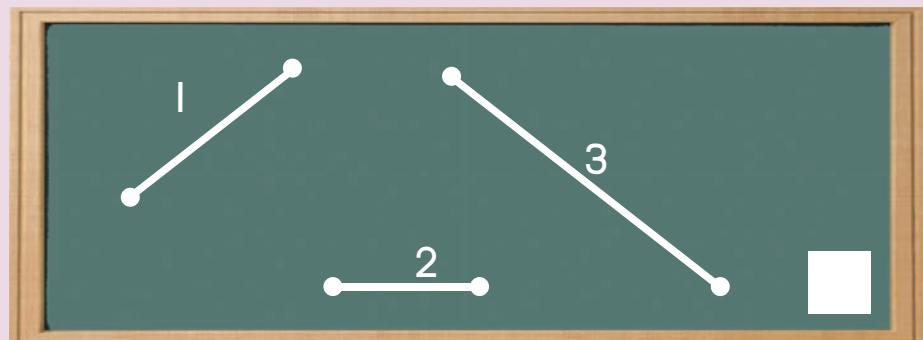
$$\boxed{5} + \boxed{5} + \boxed{5} = \boxed{\quad}$$

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

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

Poeletšo:

Poeletšo: Ke mothalo ofe wo o lego wo motelele go feta?



Teacher:  
Sign:  
Date:

83



Kotara ya 3

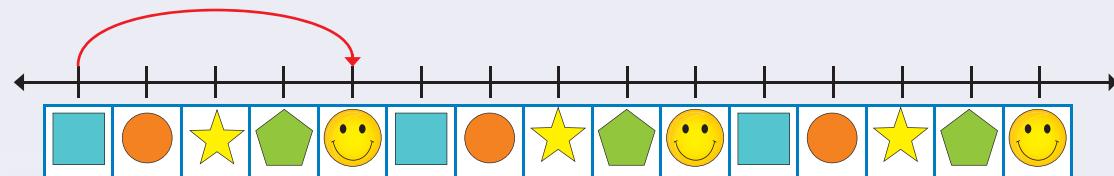


Feleletša dipatrone tša di-5 ka go khalara dinomoro.

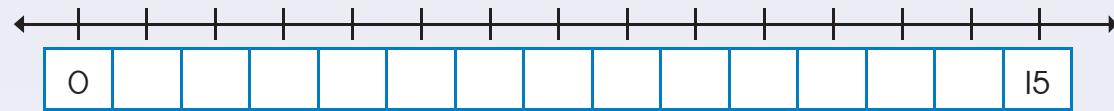
I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	20
2I	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50



Thala dihulahupu go bontšha dihlopha tša di-5.

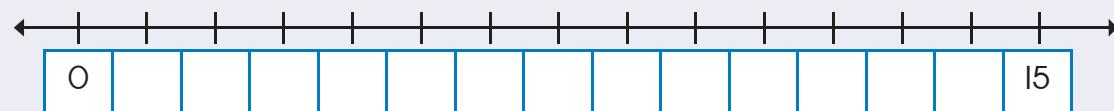


Ngwala dinomoro tše di tlogetšwego gomme o thale dihulahupu go laetša dihlopha tša di-5.



Feleletša mothalopalo. Thala dihulahupu go laetša dihlopha tša di-5.

Go na le dihlopha tše  tša di-5.

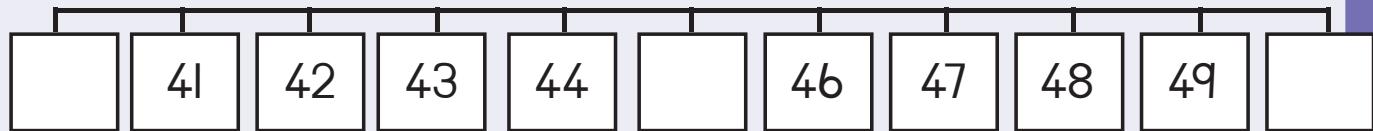
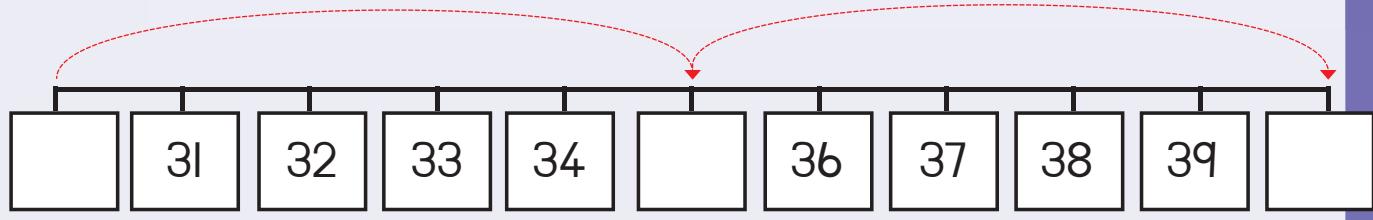


38

0 1 2 3 4 5 6 7 8 9 10

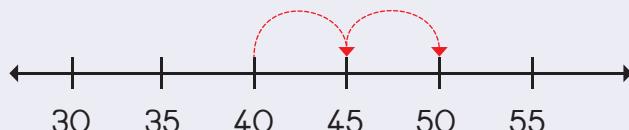


Sega dinomoro tše di tlogetšwego go tšwa go Sesegwa sa 2 gomme o di bee godimo ga methalopalo.



Thala dihulahupu go bontšha tše di latelago:

40, 45, 50



10, 15, 20



25, 30, 35



84



## Dipatrone tša dinomoro tša di - 5 go fihla go 80

Kotara ya 3



O kgora go bona dihlopha tše kae tša di - 5 mo seswantshong?



Feleletša diswantsho tše go bontsha dihlopha tše pedi tša di - 5 polokong ye nngwe le ye nngwe.



40

0

1

2

3

4

5

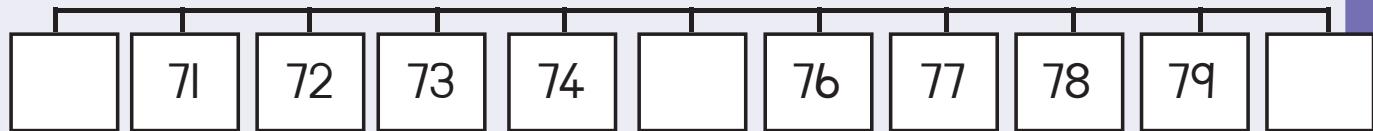
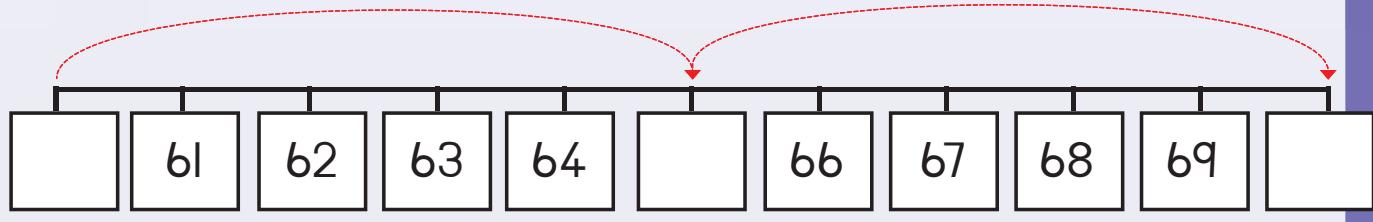
6

7

8

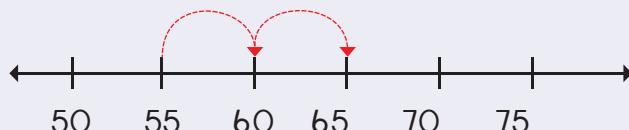
9

10

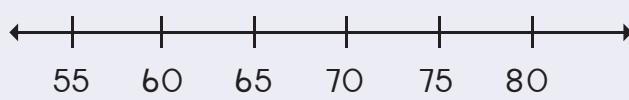


Thala dihulahupu go laetša tše di latelago:

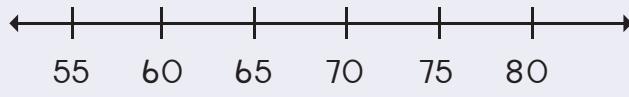
55, 60, 65



65, 70, 75



70, 75, 80



85



Kotara ya 3

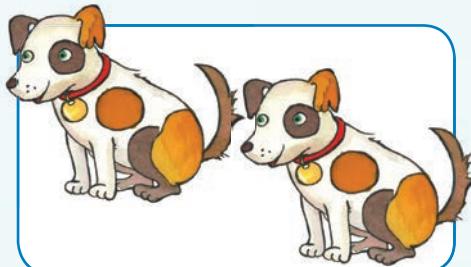
Di-2



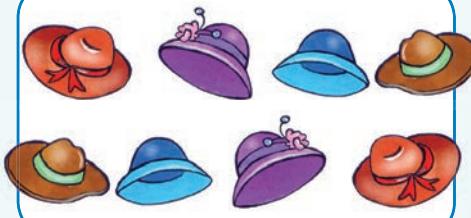
Pedifatša dikarolwana gomme o ngwale dikarabo.



I gabedi ke



4 gabedi ke



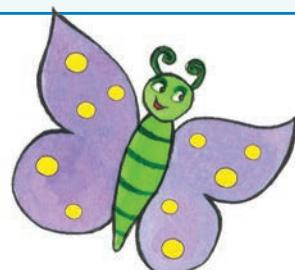
5 gabedi ke



Bala dibopego lefegong le lengwe le le lengwe la serurubele.



$$7 + 7 = \\ \text{goba} \\ 7 \text{ gabedi} =$$



$$5 + 5 = \\ \text{goba} \\ 5 \text{ gabedi} =$$

$$2 + 2 = \\ \text{goba} \\ 2 \text{ gabedi} =$$



42

0

1

2

3

4

5

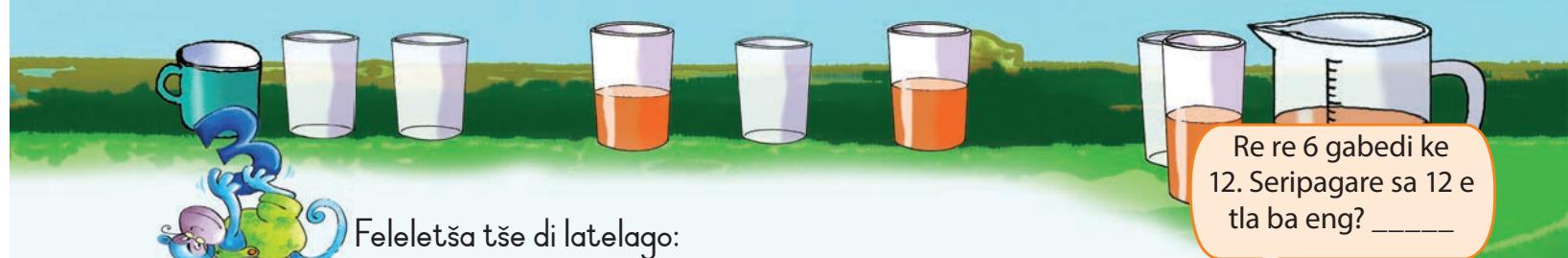
6

7

8

9

10

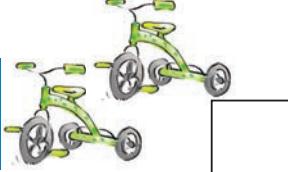


Feleletša tše di latelago:

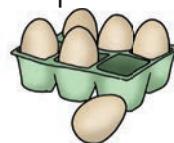
O bona maotwana a makae?



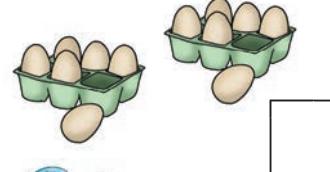
O bona maotwana a makae bjale?



Go na le mae a makae ka gare ga khatepokisi?



Go na le mae a makae bjale?



Bala marontho gomme o a pedifatše.

Pedifatša dinomoro.

	1 pedifatša →		2
	2 pedifatša →		
	3 pedifatša →		
	4 pedifatša →		
	5 pedifatša →		

4	pedifatša →	8
5	pedifatša →	
6	pedifatša →	
3	pedifatša →	
2	pedifatša →	
10	pedifatša →	

Feleletša tše di latelago:

Go na le matšatši a makae mo bekeng?

Lam	Moš	Lbb	Lbr	Lbn	Lbh	Mok

Go na le matšatši a makae mo dibekeng tše pedi?

Lam	Moš	Lbb	Lbr	Lbn	Lbh	Mok

Re re 7 gabedi ke 14.

Seripagare sa 14 e tla ba eng?



O bona maoto a makae?




O bona maoto a makae bjale?




Re re 2 gabedi ke 4.

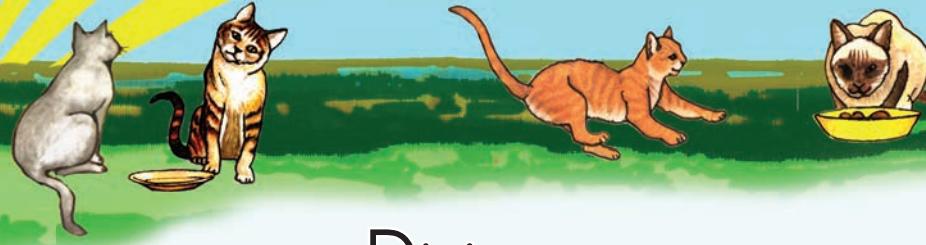
Seripagare sa 4 e tla ba eng?

Feleletša tše di latelago:

$2 + 2 + 1 =$	5	goba	$2 \text{ gabedi} + 1 = 5$
$4 + 4 + 1 =$		goba	
$7 + 7 + 1 =$		goba	



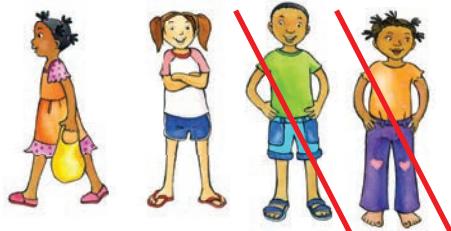
86



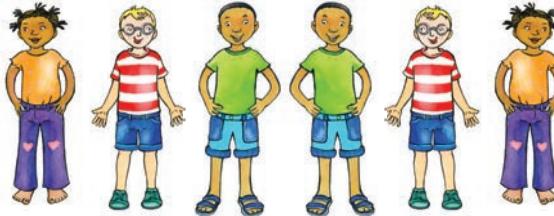
Kotara ya 3



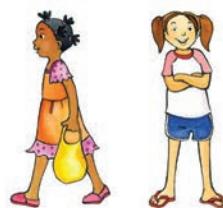
Phumola seripagare sa bana gomme o ngwale karabo.



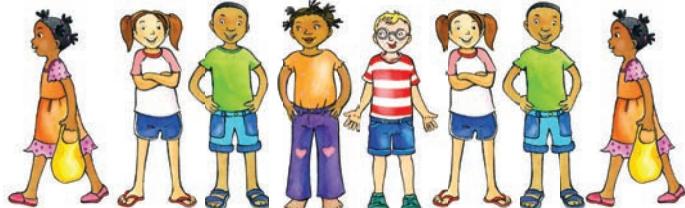
Seripagare sa 4 ke \_\_\_\_\_



Seripagare sa 6 ke \_\_\_\_\_



Seripagare sa 2 ke \_\_\_\_\_



Seripagare sa 8 ke \_\_\_\_\_



Phumola seripagare gomme o ngwale karabo.

Seripagare sa 2 =

Seripagare sa 8 =

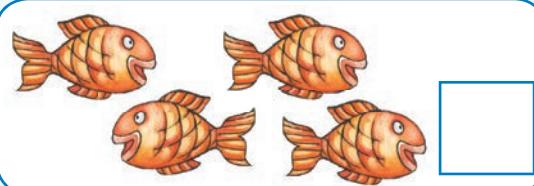
Seripagare sa 4 =

Seripagare sa 10 =

Seripagare sa 6 =

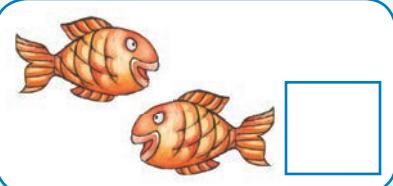


Go na le  
dihlapi tše  
kae?



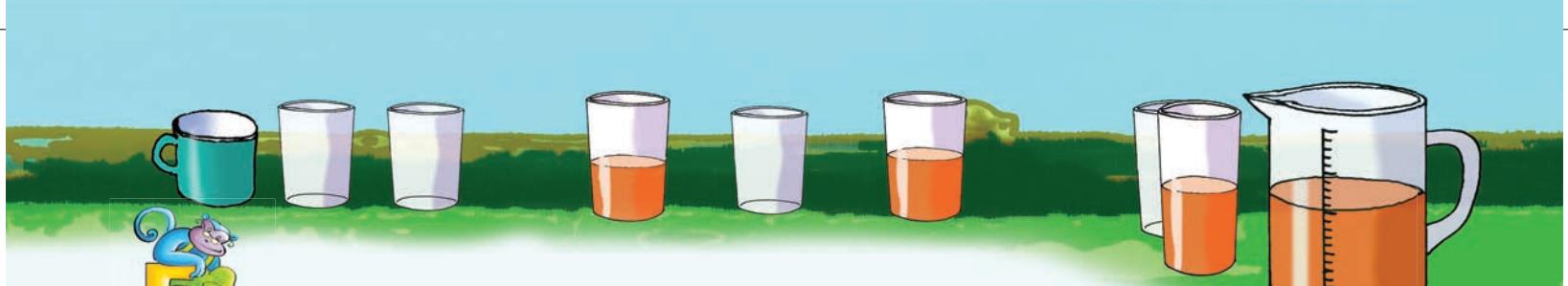


Seripagare  
sa dihlapi ke  
bokae?





44



5

Bala marontho gomme o a ripe ka bogare.

	2	seripagare →		<input type="text"/>
	4	seripagare →		<input type="text"/>
	6	seripagare →		<input type="text"/>
	8	seripagare →		<input type="text"/>
	10	seripagare →		<input type="text"/>



Ripa ka bogare.

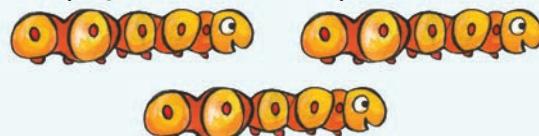


Go na le dikhathaphila tše kae?

4	seripagare →	
8	seripagare →	
6	seripagare →	
10	seripagare →	
12	seripagare →	
14	seripagare →	




Seripagare sa dikhathaphila ke:





Araba tše di latelago.

Go na le maoto a makae?




Go na le maoto a makae bjale?



Re re seripagare sa 8 ke

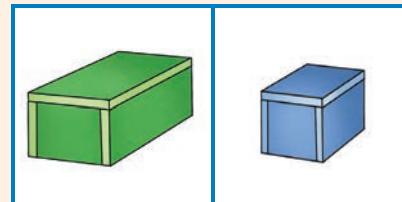
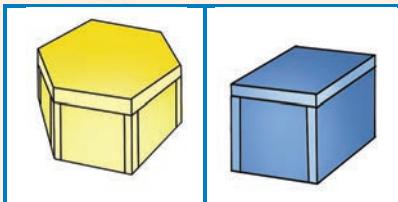


Teacher:  
Sign:  
Date:

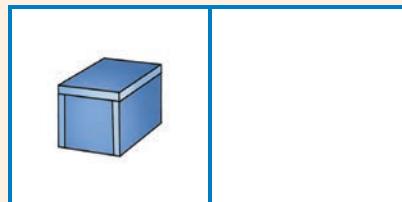




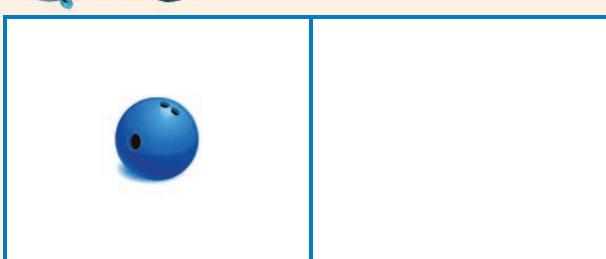
Swaya selo se sennyane go feta.



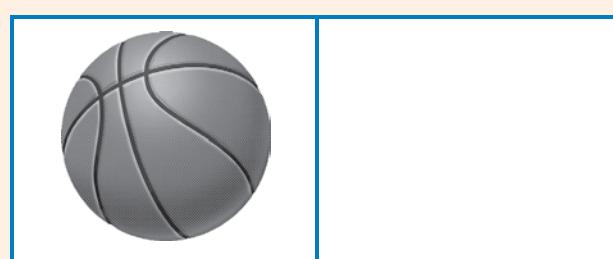
Thala selo se segolo kudu ka go la mmagoja ga seswantsho se sengwe le se sengwe.



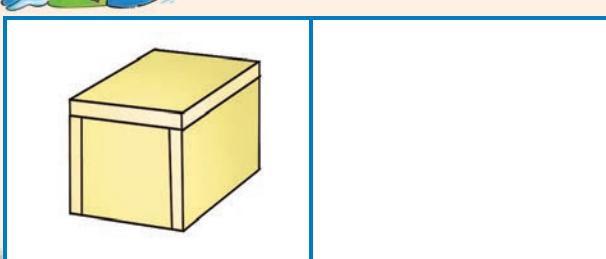
Thala bolo ye kgolo kudu go feta bolo ye talalerata.



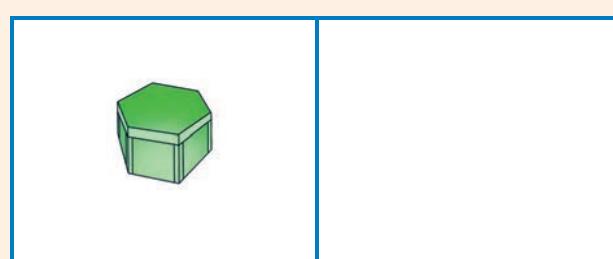
Thala bolo ye nnyane kudu go feta bolo ye tshehla.

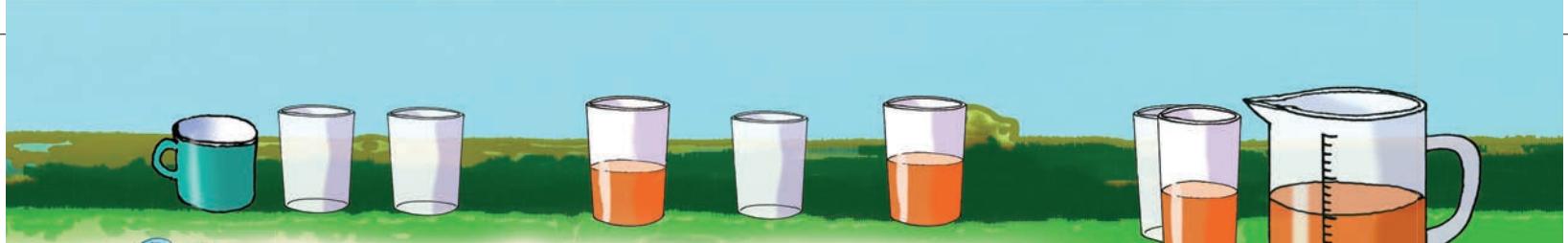


Thala lepokisi le lennyane kudu go feta lepokisi le leserolane.



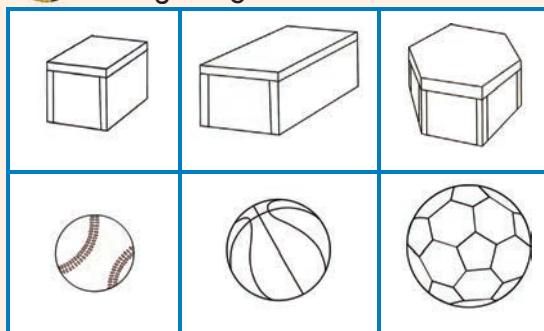
Thala lepokisi le legolo kudu go feta le letalamorogo.



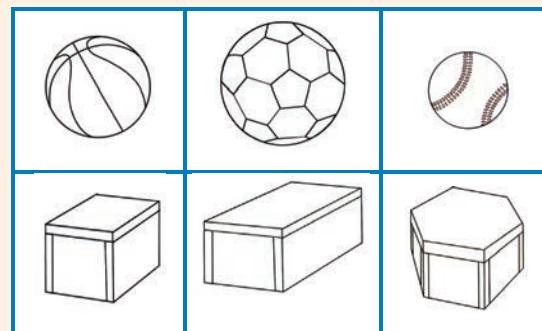


**5**

Khalara lepokisi le legolo go feta ka botalalerata, gomme bolo ye nnyane go feta, boserolane.



Khalara lepokisi le legolo go feta bopinki, gomme bolo ye kgolo go feta, bohubedu.



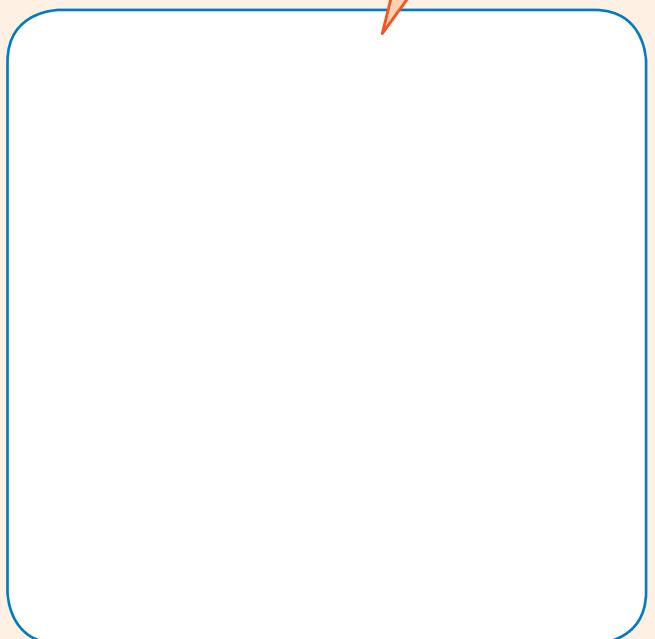
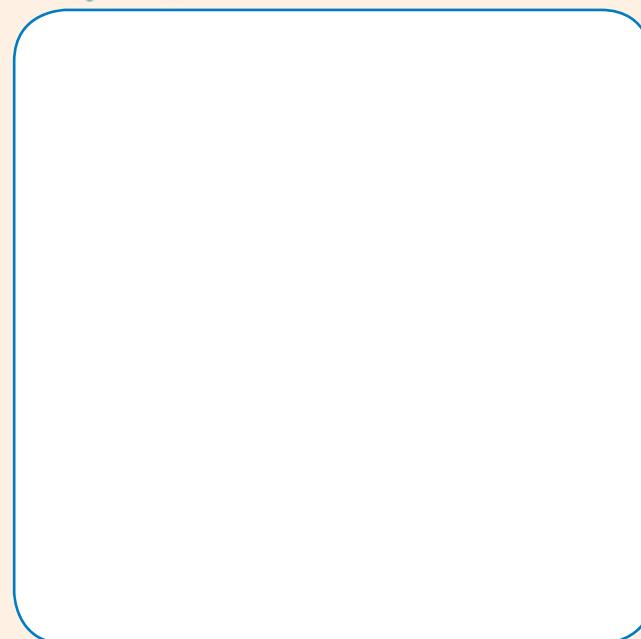
Na o ka aga tora ka dilo tše di latelago?

Khalara Ee goba Aowa.



Sega gomme o mamaretše diswantšho go tšwa go kgtišobaka goba kuranta, o age e tee ya ditora tše gago tše pedi.

Gopola, ditora di swanetše go lekalekana.



Teacher:

Sign:

Date:

88



Kotara ya 3

## Dilo tša mahlakoretharo(3-D) – Thelela le kgokologa



Dilo tše di tla kgokologa goba tša thelela.  
Khalara karabo ya maleba.



kgokologa

thelela



kgokologa

thelela



kgokologa

thelela



kgokologa

thelela



Tše di latelago di a kgonagala?  
Khalara karabo ya maleba.



ee

aowa



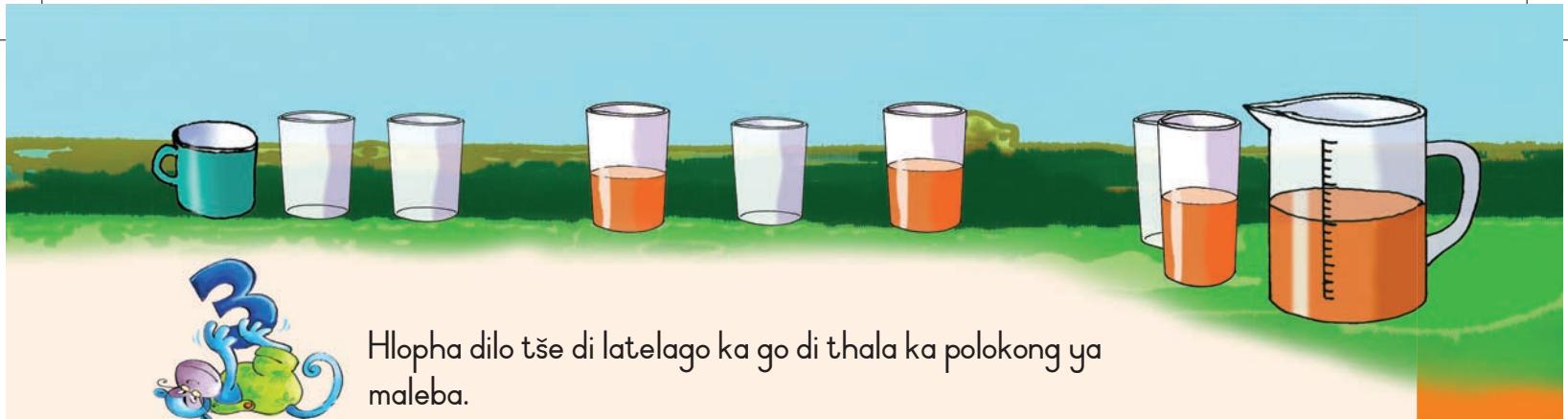
ee

aowa



ee

aowa



3

Hlopha dilo tše di latelago ka go di thala ka polokong ya maleba.

	Dibolo	Mapokisi
--	--------	----------

4

Hlopha dilo go ya ka bogolo, ka go di thala.

	Dibolo tše nnyane	Mapokisi a mannyane
	Dibolo tše kgolo	Mapokisi a magolo



8q



Kotara ya 3

## Dipatrone tša geometri

Poeletšo:

Thala tše di latelago

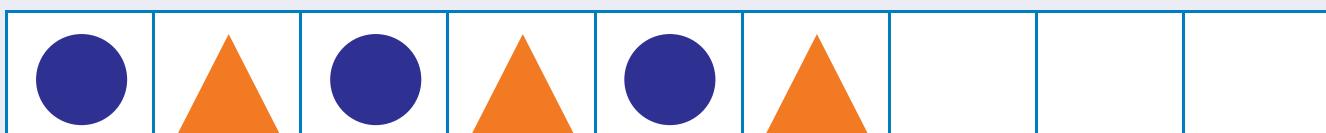
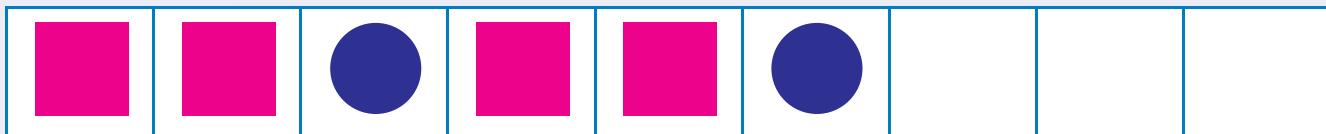
sediko

sekwere

khutlonnethwi



Feleletša patrone.

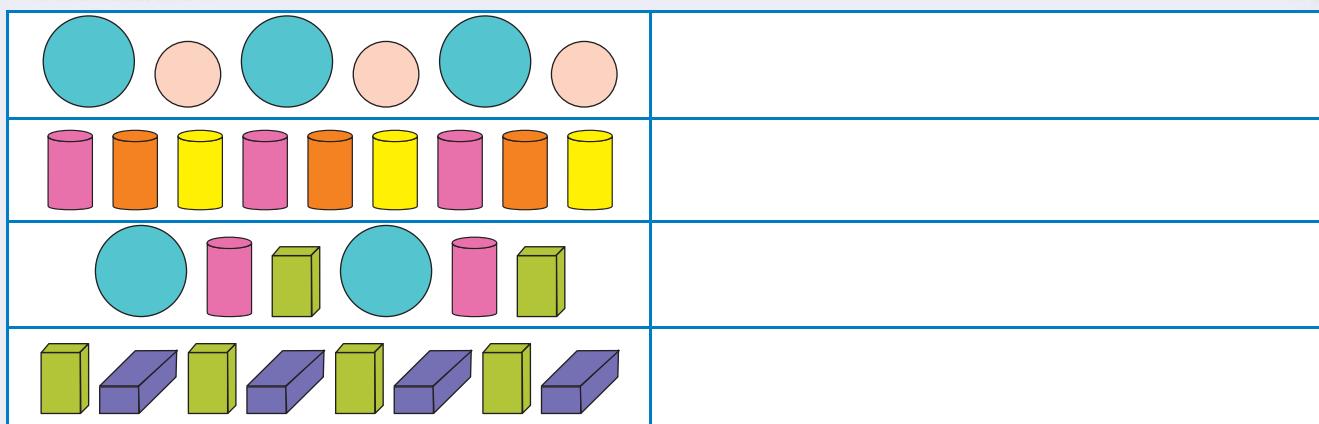


50

0 1 2 3 4 5 6 7 8 9 10



Dira dithalwa go tšwela pele ka dipatrone.



Thala patronne ye o lego mong wa yona.



Mamaretša diswantšho, gomme o dire patronne ye o lego mong wa yona.

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



Feleletša patronne.

A	B	C	A	B	C				A	B	C
---	---	---	---	---	---	--	--	--	---	---	---

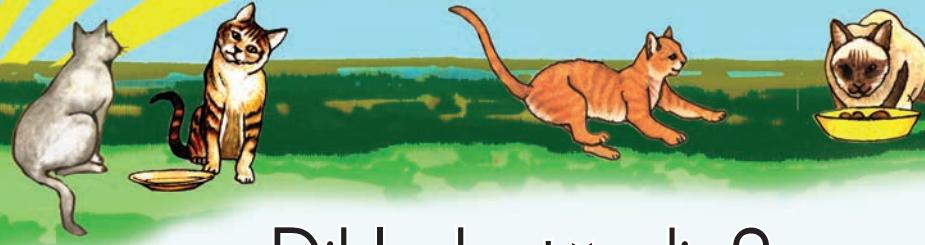
11    12    13    14    15    16    17    18    19    20



Teacher:  
Sign:  
Date:



90



## Dihlopha tša di - 2

Kotara ya 3



Ngwala leina la nomoro le seka se sa nomoro.

2

pedi



Araba dipotšišo.



O bona diphenkwine tše kae?

O bona diphere tše kae tša maoto?

Ngwala palo ka tsela ya lefokopalo:



Araba dipotšišo.

Go na le dipuku tše kae?



Nka dira dihlopha tše kae tša di - 2?

Ngwala palo ka tsela ya lefokopalo.



Ngwala leina la nomoro le seka se sa nomoro.

4



Bala mafego, ka morago o ngwale karabo ya gago.



$$2 + 2 =$$



$$2 + 2 + 2 =$$



$$2 + 2 + 2 + 2 =$$



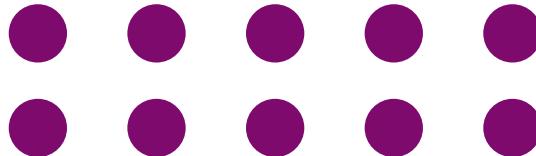


Thala didiko go dikologa tše di latelago go dira:

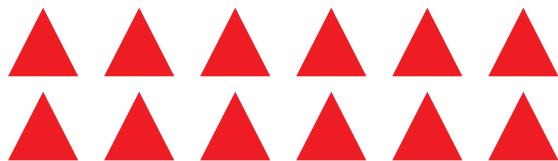
dihlopha tše 4 tša di -2



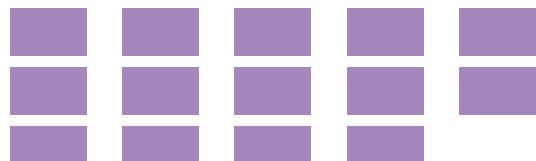
dihlopha tše 5 tša di -2



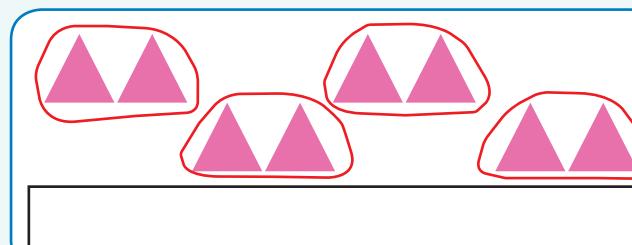
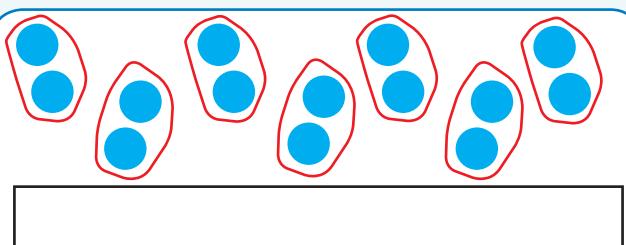
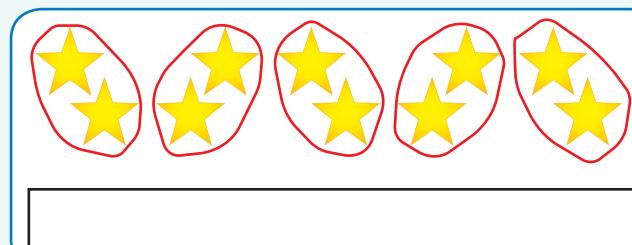
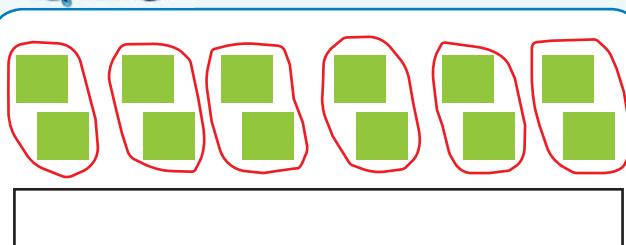
dihlopha tše 6 tša di -2



dihlopha tše 7 tša di -2



Ngwala lefokopalo la tše di latelago.



O ka dira dihlopha tše kae tša di -2?

I3 le I di tla dira	dihlopha
II le I di tla dira	dihlopha
9 le I di tla dira	dihlopha
7 le I di tla dira	dihlopha

I2 le I di tla dira	dihlopha
5 le I di tla dira	dihlopha
I le I di tla dira	dihlopha
10 le O di tla dira	dihlopha



q |

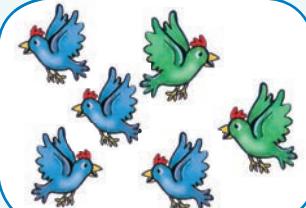
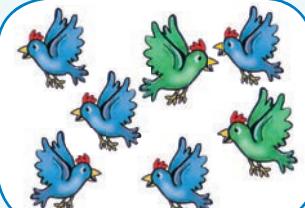
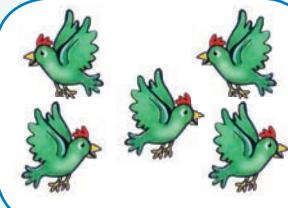


Letšatšikgwedi:

Go hlakantšha di - 2 go bušeletša  
go fihla go 15



Go na le maoto a makae?



O e badile bjang?



Thala dibopego go laetša tše di latelago:

$$2 + 2 + 2 + 2 + 2 = \boxed{\quad}$$



$$2 + 2 + 2 + 2 + 2 + 2 + 2 = \boxed{\quad}$$

$$2 + 2 + 2 + 2 = \boxed{\quad}$$

$$2 + 2 + 2 + 2 + 2 + 2 = \boxed{\quad}$$



54

0

1

2

3

4

5

6

7

8

9

10



Ngwala mafokopalo a tše di latelago.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
$2 + 2 + 2 + 2 + 2 = \boxed{\quad}$									

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

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

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



Dira didiko o be o bale gore o ka kgoni go dira dihlopha tše  
kae tše di -2 godimo ga karata ye nngwe le ye nngwe.

<input type="text"/>									
----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------



Feleletsha patronye ya dinomoro ye o tlago go e šomiša go dira  
dihlopha tše di -2.

1	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5					



q2



Kotara ya 3



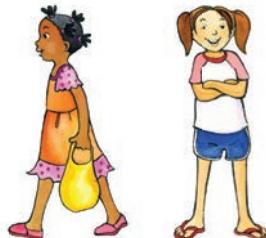
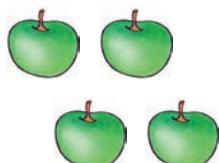
Ngwala dinomoro tše di tlogetšwego.

- |    |  |    |  |    |  |   |  |   |  |
|----|--|----|--|----|--|---|--|---|--|
| I  |  | 3  |  | 5  |  | 7 |  | 9 |  |
| II |  | 13 |  | 15 |  |   |  |   |  |



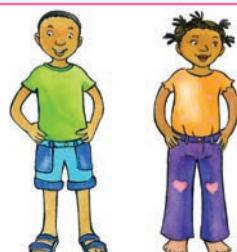
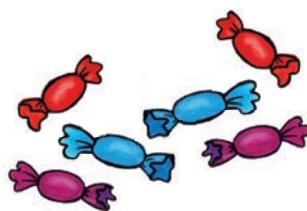
Dira dihlopha tše di-2.

Thala sediko go dikološetša sehlopha se sengwe le se sengwe sa di-2.



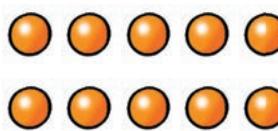
Go na le dihlopha tše kae tše diapola?

Ngwana yo mongwe le yo mongwe o tla hwetša diapola tše kae?



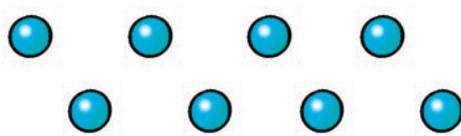
Go na le dihlopha tše kae tše malekere?

Ngwana yo mongwe le yo mongwe o tla hwetša malekere a makae?



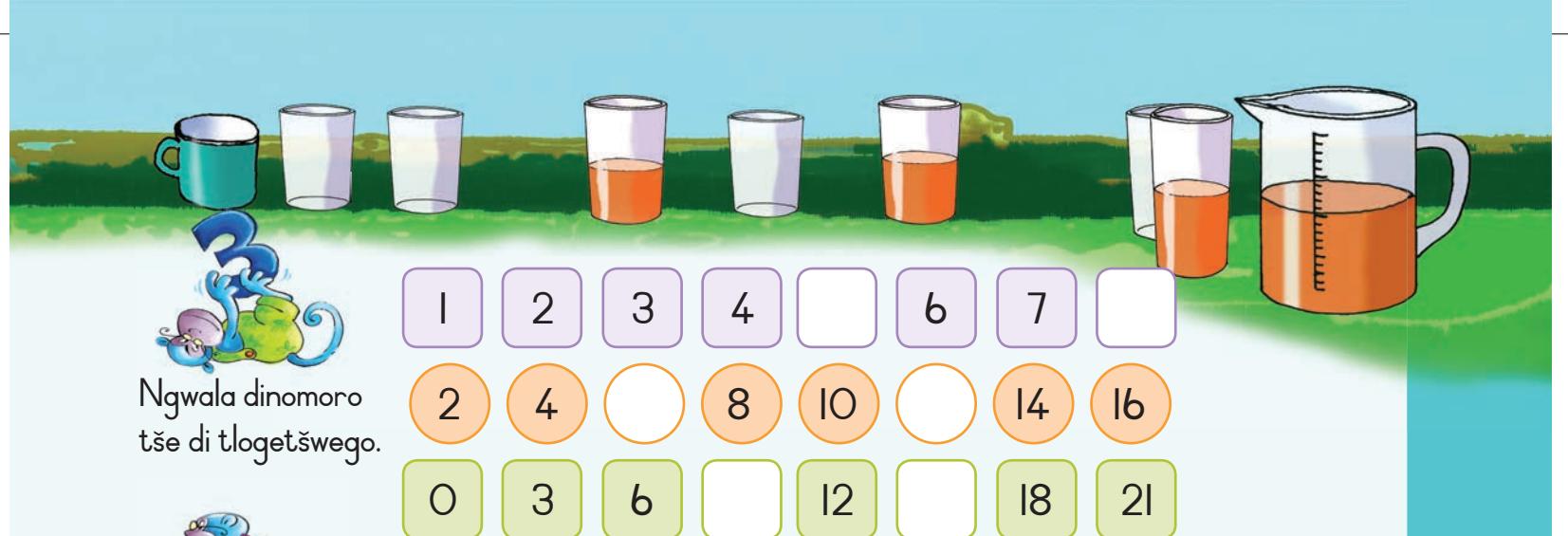
Go na le dihlopha tše kae tše dimabolo?

Ngwana yo mongwe le yo mongwe o tla hwetša dimabolo tše kae?



Go na le dihlopha tše kae tše dimabolo?

Ngwana yo mongwe le yo mongwe o tla hwetša dimabolo tše kae?

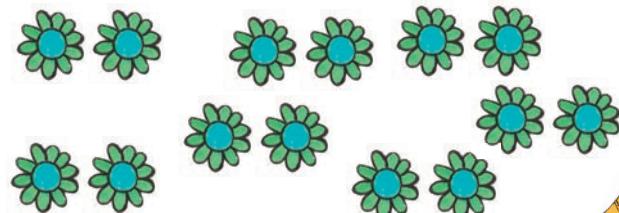


Ngwala dinomoro  
tše di tlogetšwego.

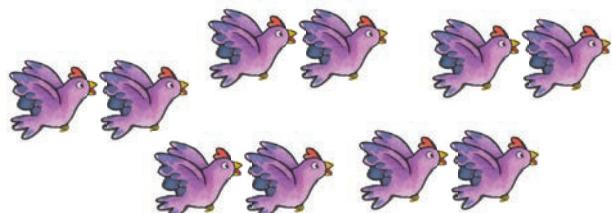
1	2	3	4		6	7	
2	4		8	10		14	16
0	3	6		12		18	21



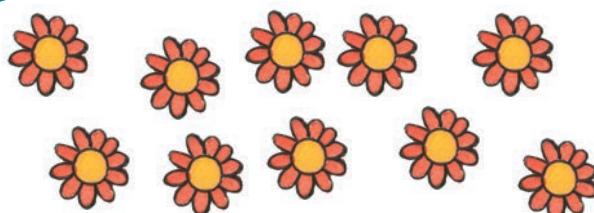
Ngwala lefokopalo o šomiša di-2.



$$2 + 2 + 2 + 2 + 2 + 2 + 2 = \boxed{14}$$



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--	--



--	--

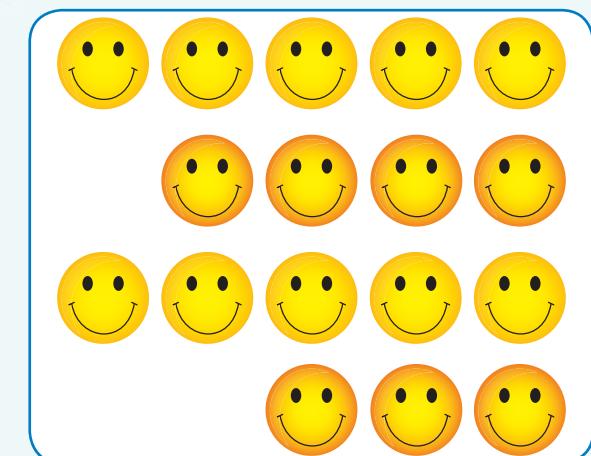


Ngwala dikarabo tša  
tše di latelago:



Dira sediko go dikološetša dihlopha tša di-2  
mothalong wo mongwe le wo mongwe.

2 + 2 + 2 =	
2 + 2 + 2 + 2 =	
2 + 2 + 2 + 2 + 2 =	
2 + 2 + 2 + 2 + 2 + 2 =	
2 + 2 + 2 + 2 + 2 + 2 + 2 =	



q3



Kotara ya 3

## Dipatrone tša di-2 go fihla go 50



Sega dinomoro tše di tlogetšwego go tšwa go Sesegwa sa 2 gomme o di mamaretše godimo ga mothalopalo. Feleletša dihulahupu.



Feleletša dipatrone ka go khalaria dinomoro tša maleba.

31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50



Thala dihulahupu go laetša tše di latelago:

30, 32, 34

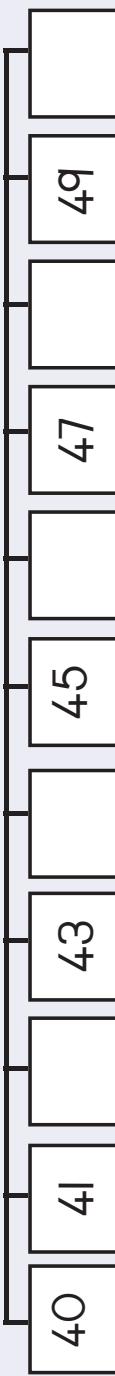
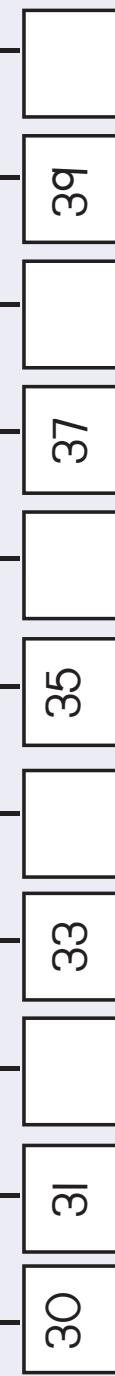
28 30 32 34 36 38

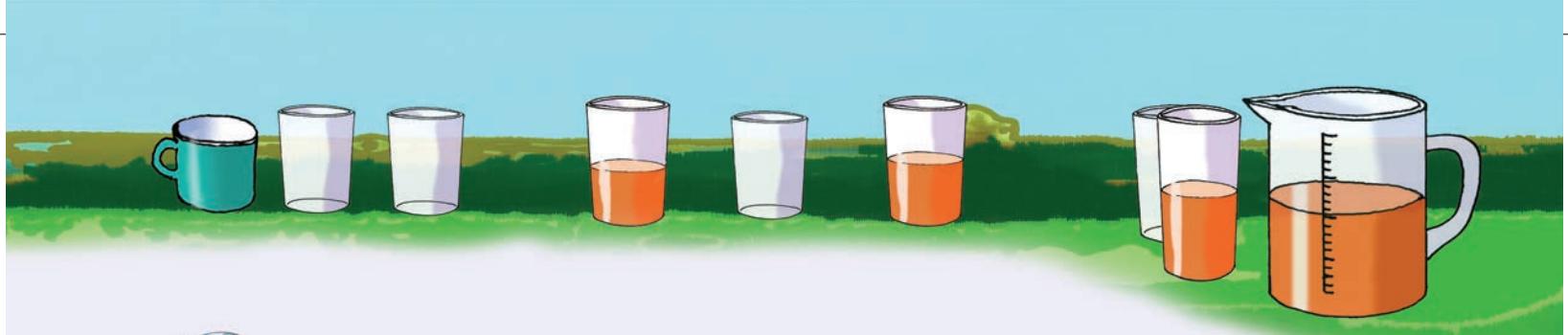
40, 42, 44

38 40 42 44 46 48

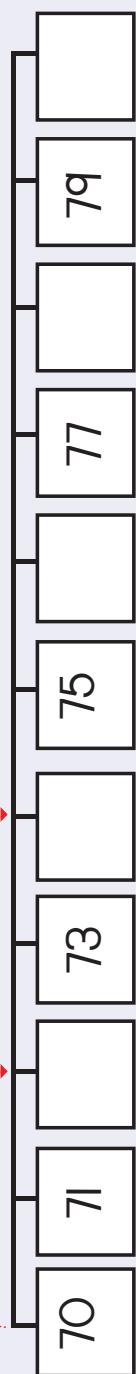
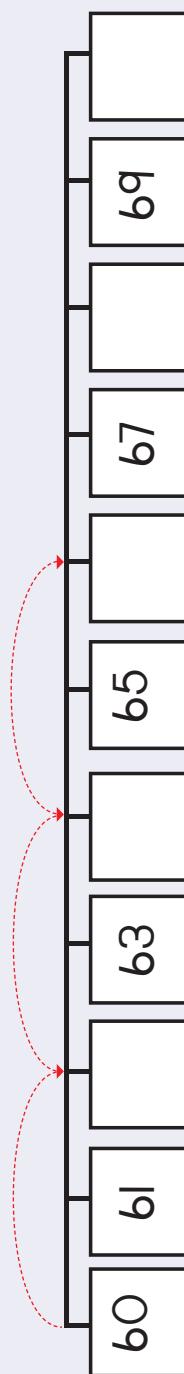
46, 48, 50

40 42 44 46 48 50





Sega dinomoro go tšwa go Sesegwa sa 2 gomme o di bee godimo ga mothalopalo. Feleletša dihulahupu.



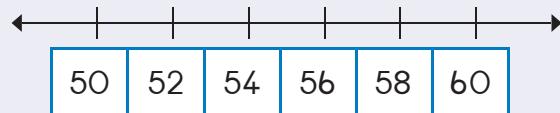
Feleletša dipatrone ka go khalara dinomoro tša maleba.

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

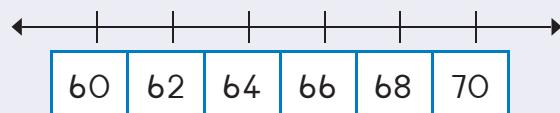


Thala dihulahupu go laetša tše di latelago:

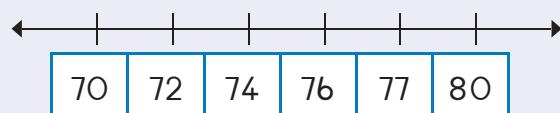
54, 56, 58



64, 66, 68



72, 74, 76



Teacher:  
Sign:  
Date:



q4

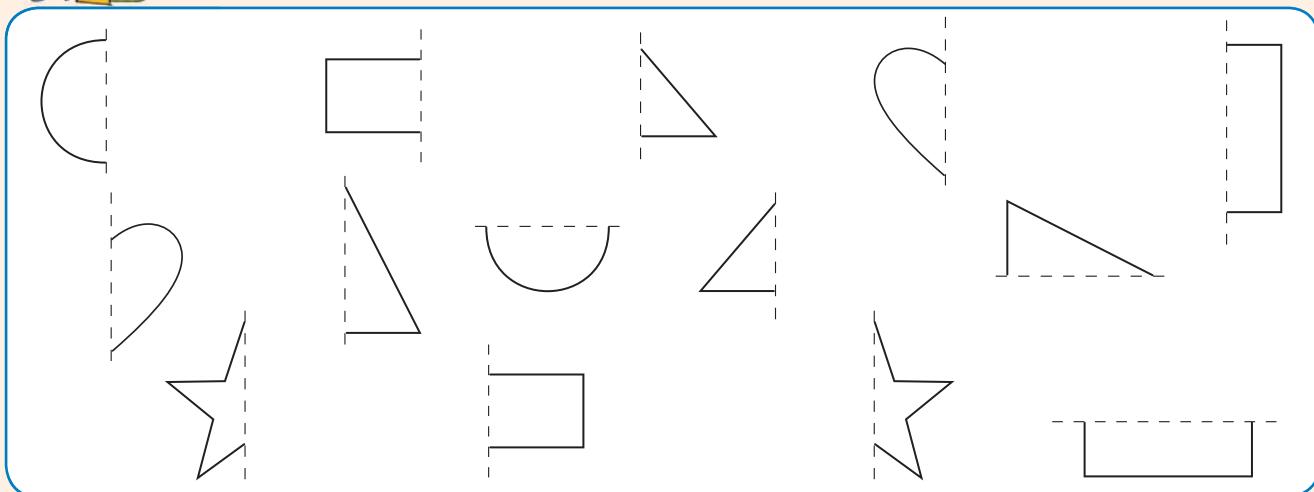


## Go lekana

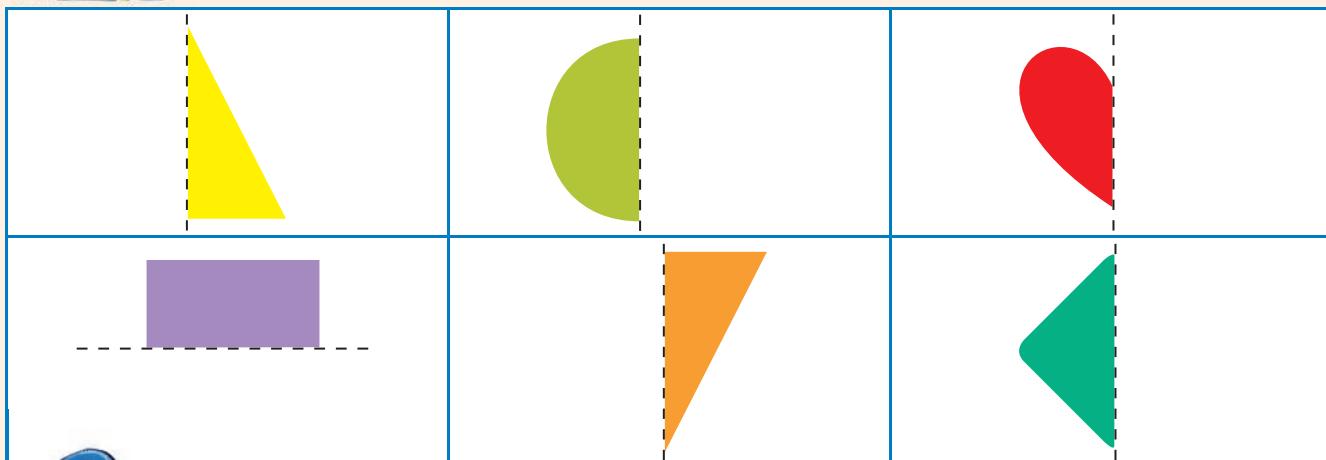
Kotara ya 3



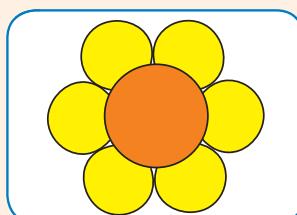
Khalara dikarolo tše pedi tša dibopego tše di tlago go dira sebopego se tee.



Thala seripagare se sengwe o se khalare.



Thala mothalo go aroganya diswantsho tše di be tše pedi gore bobedi bja mahlakore a a swane swaniswani.



60

0

1

2

3

4

5

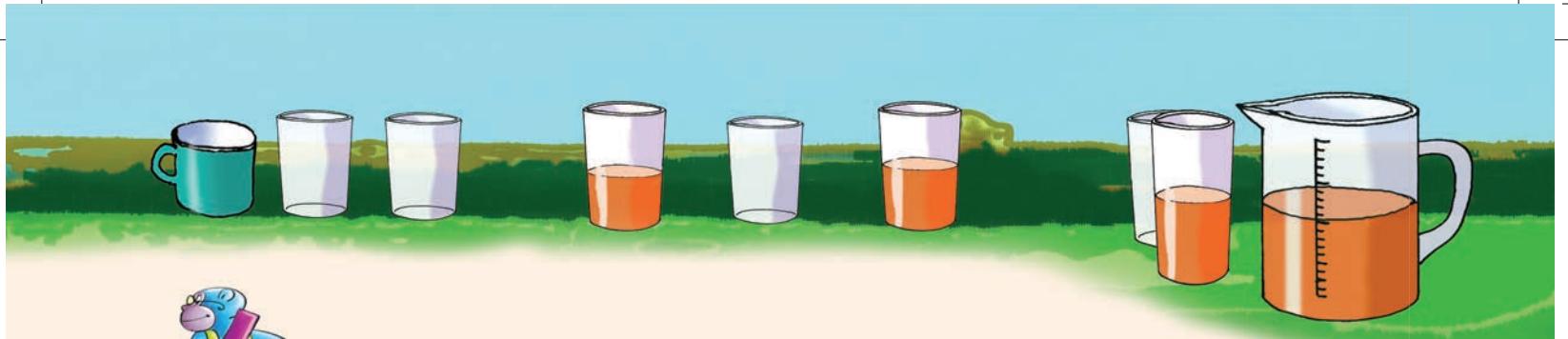
6

7

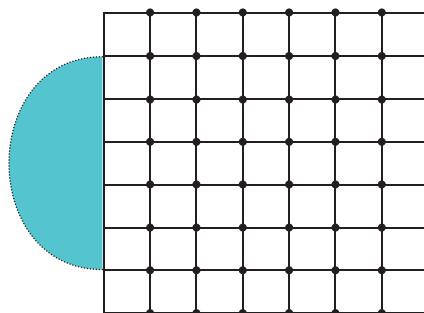
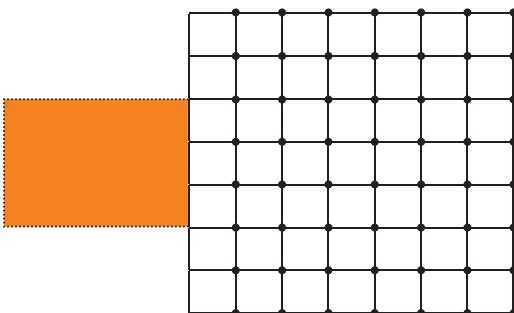
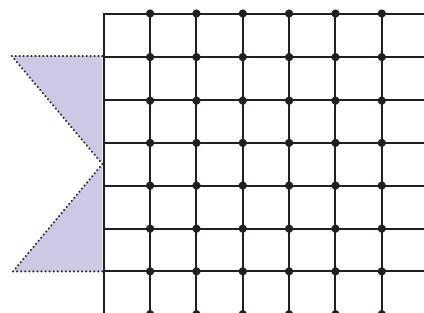
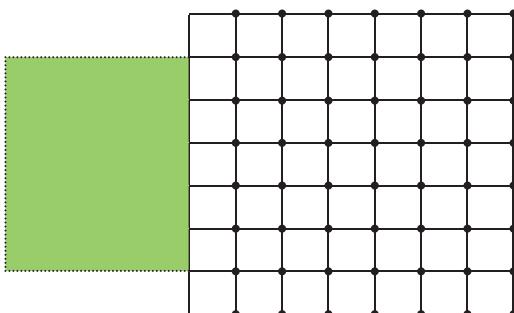
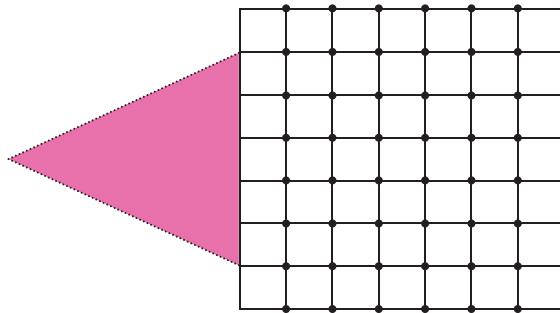
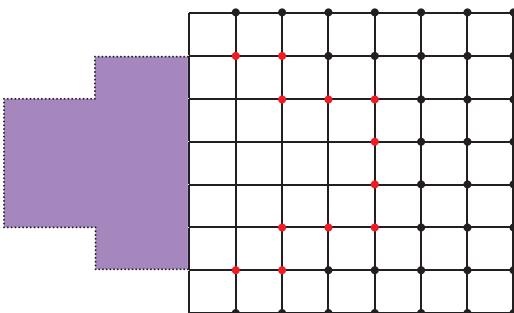
8

9

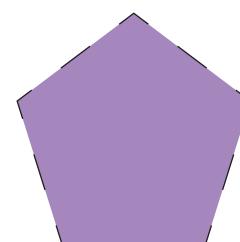
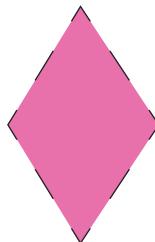
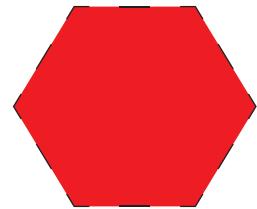
10



Thala seripa se sengwe sa dibopego tše ka go šomiša papetla  
ya kriti go go hlahla.



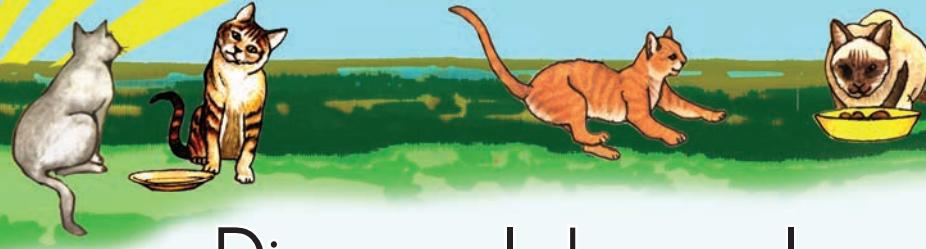
Thala mothalo go aroganya dibopego tše, di be tše pedi gore bobedi bja tšona  
bo swane swaniswani.



Teacher:  
Sign:  
Date:



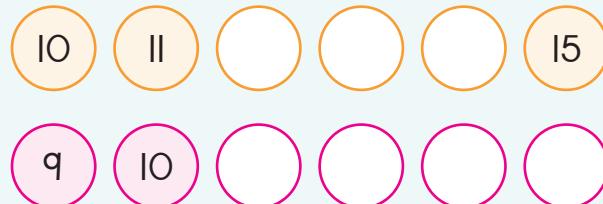
95



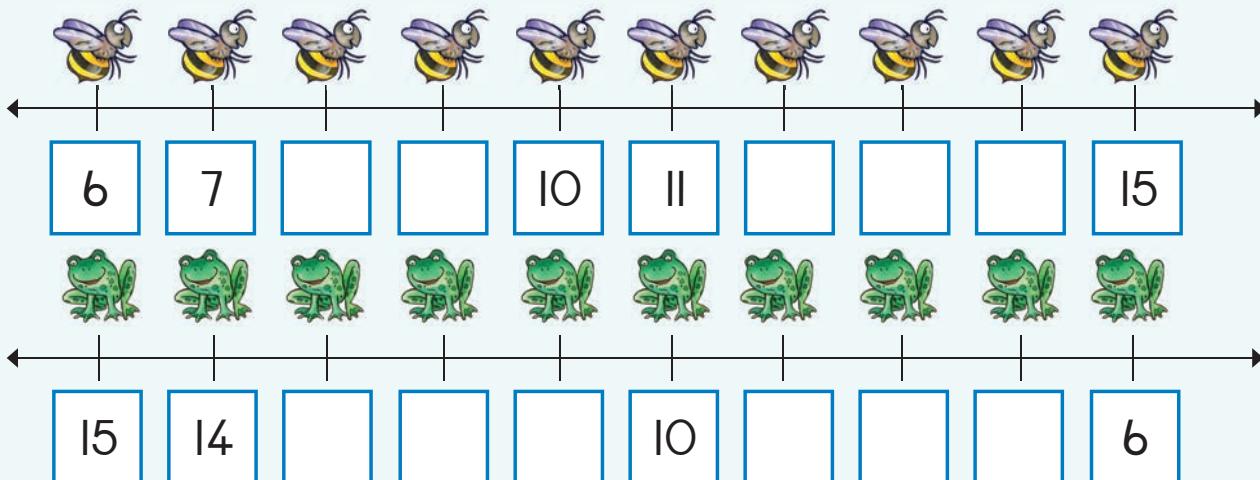
Kotara ya 3



Ngwala dinomoro tše di tlogetšwego.



Ngwala dinomoro tše di tlogetšwego.



Ngwala karabo.

$10 + 1 =$	II
$10 + 2 =$	
$10 + 5 =$	
$10 + 3 =$	

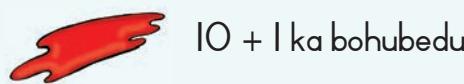
$15 - 10 =$	
$14 - 10 =$	
$12 - 10 =$	
$11 - 10 =$	



62



Ngwala karabo ya mmala wo mongwe le wo mongwe, ka morago, o khalare setseka sa maleba sa phasele seo se nago le karabo ya maleba. Khalara karabo ka mmala wa palo ya gona. Re go diretše ya mathomo.



10 + 1 ka bohubedu



10 + 3 ka bopinki



10 + 5 ka botalalerata



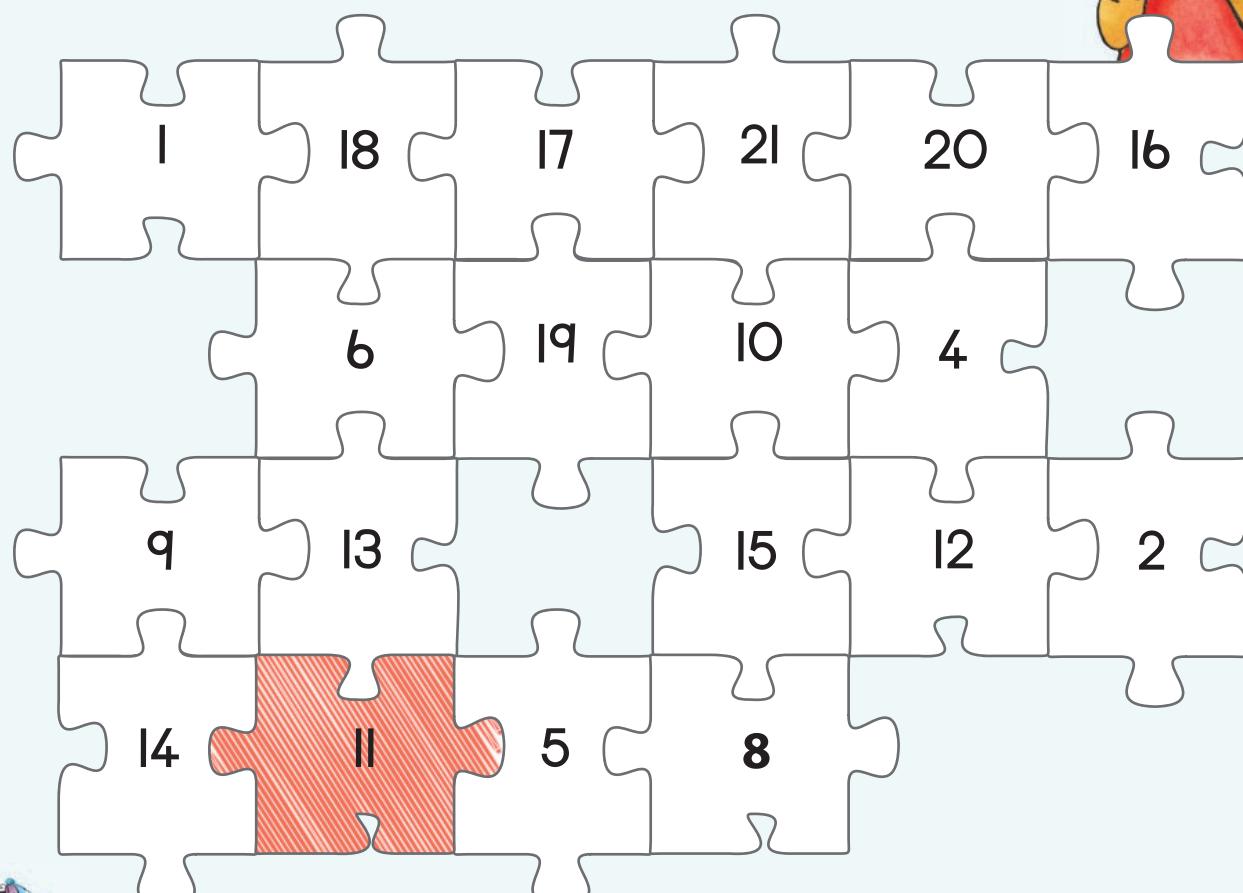
10 + 4 ka boserolane



10 + 0 ka botalamorogo



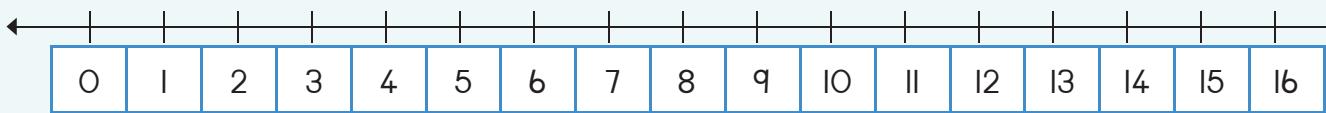
10 + 2 ka mmala wa namune



Laetša lesome le nne godimo ga mothalopalo:



Teacher: Sign:
Date:



11 12 13 14 15 16 17 18 19 20

96

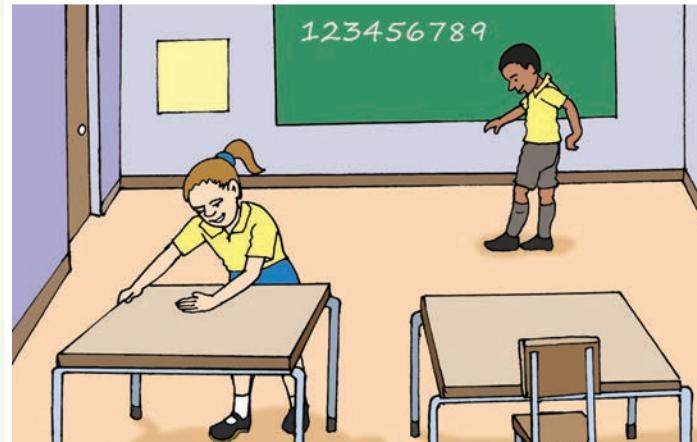


Kotara ya 3



Meta botelele le bopphara bja teske goba tafola o šomiša botelele bja seatla sa gago. Botelele bja seatla sa gago bo tsena gakae boteleleng bja tafola?

Bopphara bja tafola bjona bo tsea botelele bja seatla gakae?



Botelele bja tafola ke botelele bja seatla ga \_\_\_\_\_.

Bopphara bja tafola ke botelele bja seatla ga \_\_\_\_\_.



Botelele bja lenao bo tla gakae ka mathoko?



Ngwala dikarabo.



Botelele ke botelele bja seatla ga \_\_\_\_.



0

1

2

3

4

5

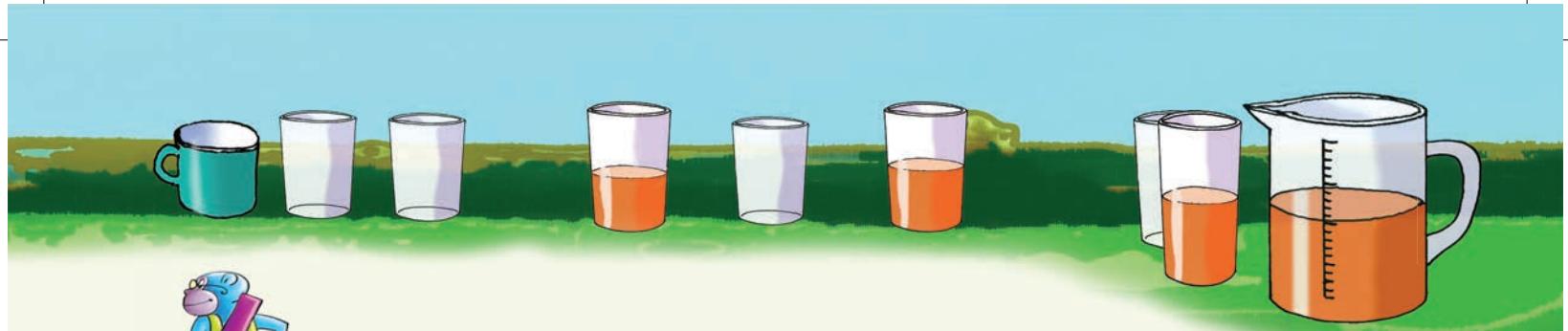
6

7

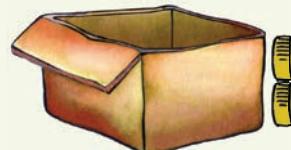
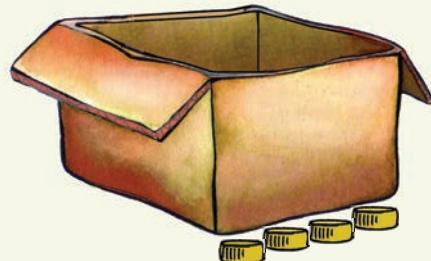
8

9

10



Botelele le bopphara bja le pokisi le ke eng?



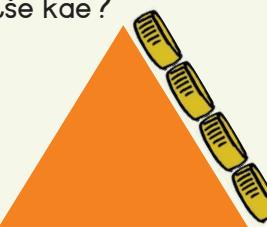
Botelele ke botelele bja sekhurumelo  
sa lepotlelo ga \_\_\_\_.

Bopphara ke botelele bja sekhurumelo  
sa lepotlelo ga \_\_\_\_.

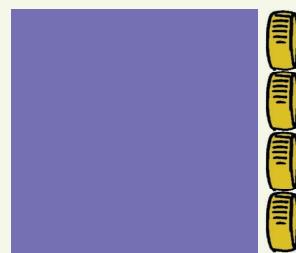


Mathoko a tafola a tsewa ke dikhurumelo tsa lepotlelo tse kae?







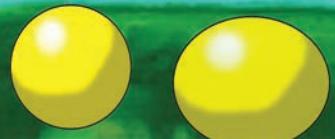
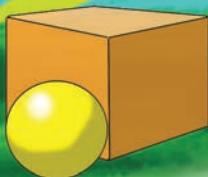




Teacher:  
Sign:  
Date:



97



Kotara ya 4

## Nomoro ye: 16

Poeletšo:

Ithute go ngwala leina la nomoro gomme o feleletše patronē.

7

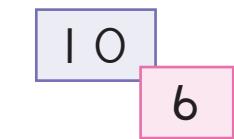
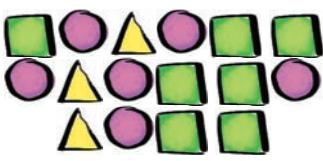
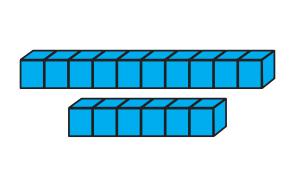
šupa



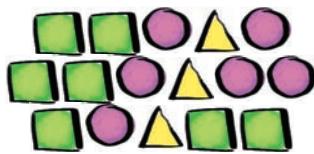
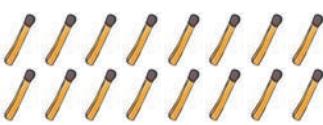
Nyalanya diswantšho.



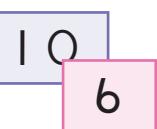
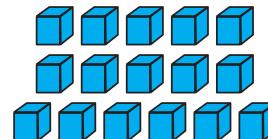
Latela dinomoro.



16



16



16 16 16 16

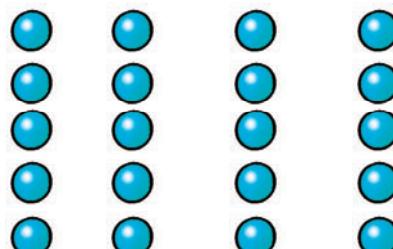
lesometshela

16 16 16 16

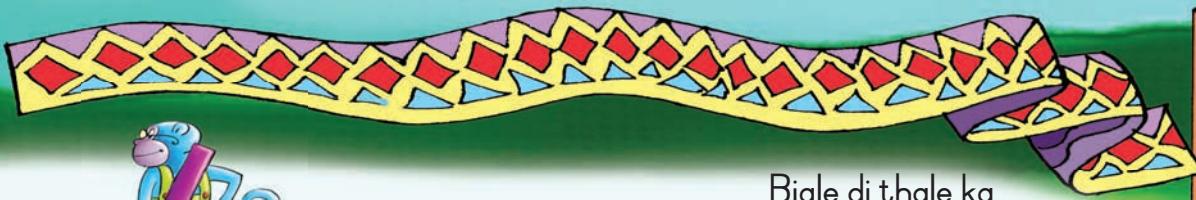
lesometshela



Dira sediko dipheteng  
tše 16 fela.



Go šetše tše kae? \_\_\_\_\_



Thala dilo tše 16.

Bjale di thale ka  
mokgwa wo o fapanego.



Ngwala nomoro ye e  
tlogetšwego.

2	3	4
19		21
17		19



Feleletša lenaneo. Mothalo wo mongwe le wo mongwe  
o na le seswatšho, nomoro le leina la nomoro yeo.

10	16	
10		lesometshela
	10	
		16



16 ge e hlaela ka l e ba bokae?

16 ge e oketšega ka l e ba bokae?



16 ge e hlaela ka l e ba bokae?

16 ge e hlaela ka 2 ke bokae?

16 ge e oketšega ka l e ba bokae?

16 ge e oketšega ka 2 e ba bokae?

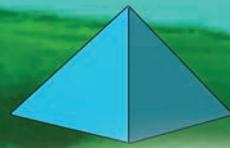
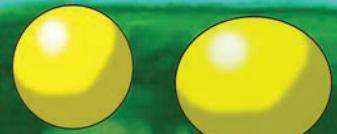
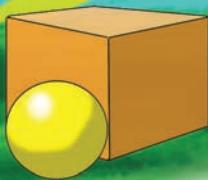


Ngwala dinomoro tše di tlogetšwego.

10	9		7	6		4	3	1
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98



## Nomoro ye: 17

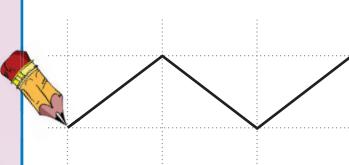
Kotara ya 4

Poeletšo:

Ithute go ngwala leina la nomoro gomme o feleletše patronē.

8

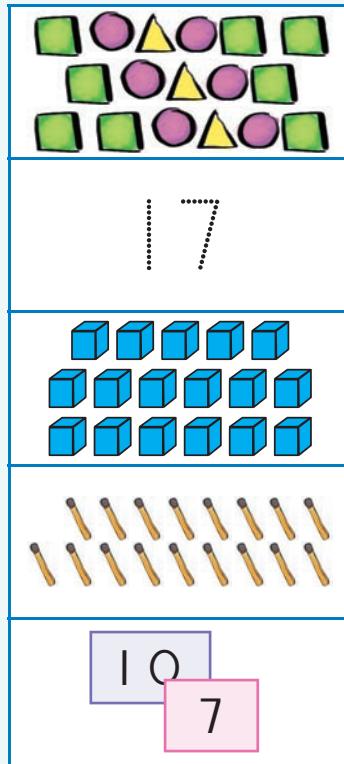
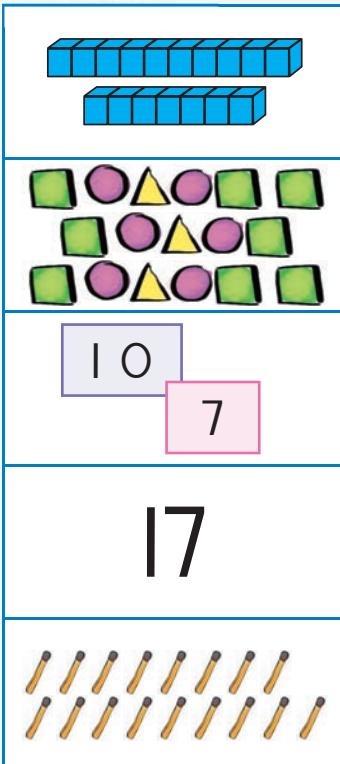
seswai



Nyalanya diswantšho.

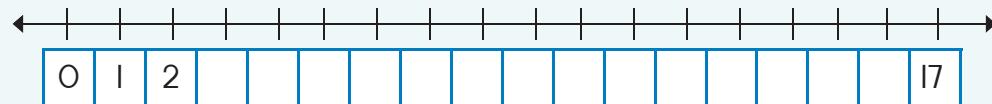


Latela dinomoro.



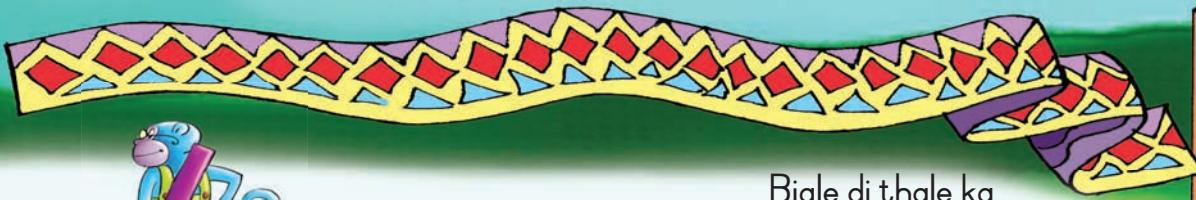
17	17	17	17
lesomešupa			
17	17	17	17
lesomesupta			

Feleletša mothalopalo.



68

0 1 2 3 4 5 6 7 8 9 10



Thala dilo tše 17.

Bjale di thale ka  
mokgwa wo o fapanego.



Ke nomoro efe ye e  
tlago ka morago ga:

16	17	
24	25	
17	18	



Feleletša lenaneo.  
Mothalo wo  
mongwe le wo  
mongwe o na  
le seswantšho,  
nomoro le leina la  
nomoro yeo.

	17	
		lesomešupa



Lesomešupa ge le fokotšwa ka tee e ba bokae?

Lesomešupa ge le fokotšwa ka 2 e ba bokae?

Lesomešupa ge le oketšwa ka tee e ba bokae?

Lesomešupa ge le oketšwa ka pedi e ba bokae?



Ngwala nomoro ye e tlogetšwego.

Tše gape di bitšwa  
dinomoro tša go se lekanele.

	2		4		6		8		10
	12		14		16		18		20

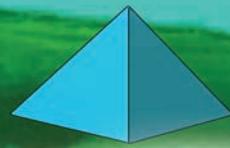
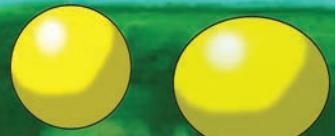
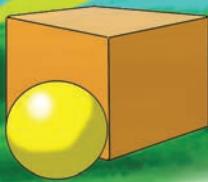


Teacher:

Sign:

Date:

qq



Kotara ya 4

## Nomoro ye: 18

Poeletšo:

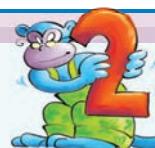
Ithute go ngwala leina la nomoro gomme o feleletše patrone.

q

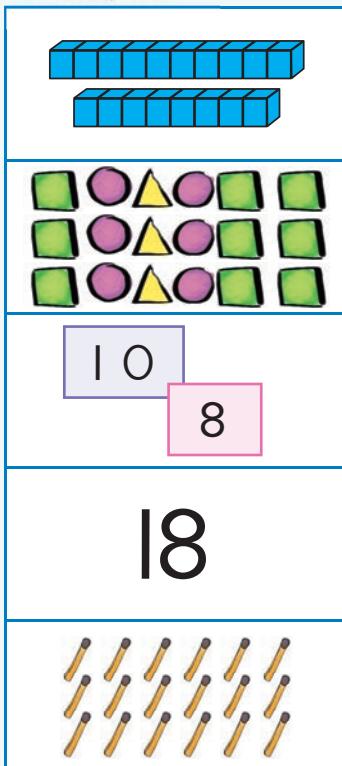
senyane



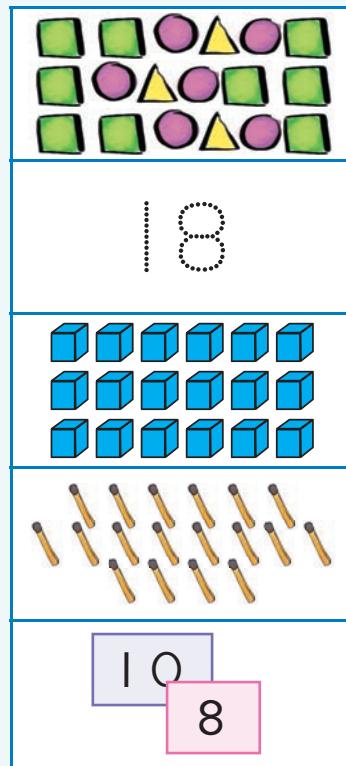
Nyalanya diswantšho.



Latela dinomoro.



18

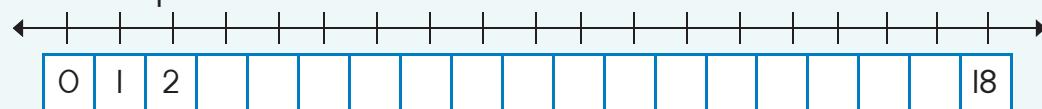


18

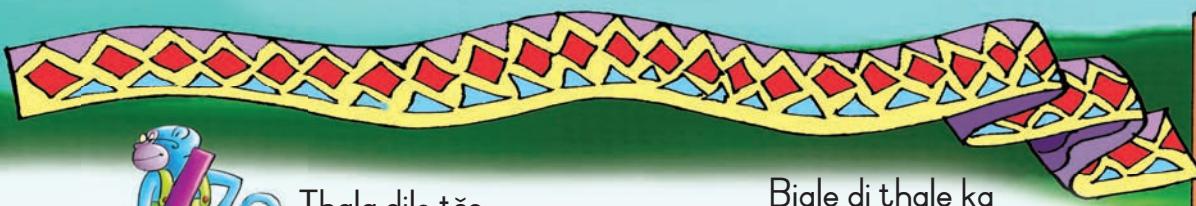
18 18 18 18  
lesomeseswai  
18 18 18 18  
lesomeseswai



Feleletša mothalopalo.



0 1 2 3 4 5 6 7 8 9 10



Thala dilo tše  
lesomeseswai.

Bjale di thale ka  
mokgwa wo o fapanego.



Ke nomoro efe ye e  
tlago ka morago ga:

8	q	
33	34	
0	I	



Feleletša lenaneo.  
Mothalo wo  
mongwe le wo  
mongwe o na  
le seswantšho,  
nomoro le lentšu  
la nomoro yeo.

	18	
		lesomeseswai



18 ge e fokotšwa ka tee e ba bokae?

18 ge e fokotšwa ka pedi e ba bokae?

18 ge e oketšwa ka tee e ba bokae?

18 ge e oketšwa ka pedi e ba bokae?



Ngwala nomoro ye e tlogetšwego.

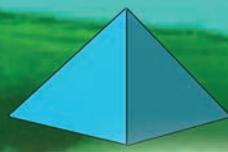
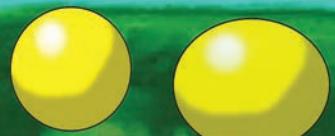
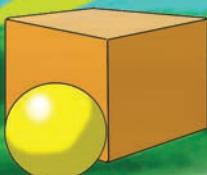


Teacher:  
Sign:  
Date:

I	2		4	5	6	7		9	10
II		13	14	15		17	18		20

11 12 13 14 15 16 17 18 19 20

100



Kotara ya 4

## Nomoro ye: 19

Poeletšo:

Ithute go ngwala leina la nomoro gomme o feleletše patronē.

10

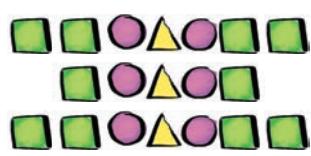
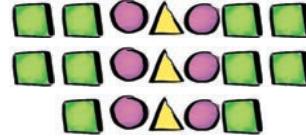
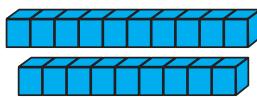
lesome



Nyalanya diswantšho.



Latela dinomoro.

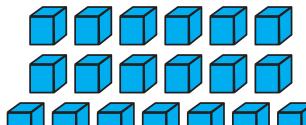


19

10

9

19



10  
9

19 19 19 19

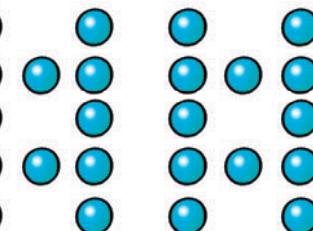
lesomesenyane

19 19 19 19

lesomesenyane



Dira sediko go  
dipheta tše 19 fela.



Go šetše tše kae? \_\_\_\_\_



0

1

2

3

4

5

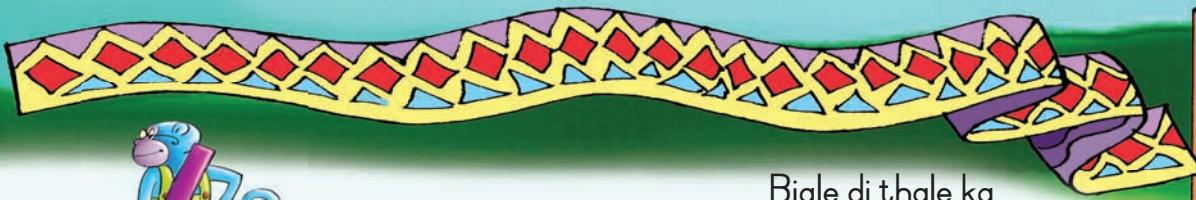
6

7

8

9

10



Thala dilo tše |9.

Bjale di thale ka  
mokgwa wo o fapanego.



Ke nomoro efe ye e  
tlago gare?

14		16
35		37
8		10



Feleletša lenaneo. Mothalo wo mongwe le wo mongwe o na le seswantšho,  
nomoro le leina la nomoro yeo.

	9	
		lesomesenyane



Lesomesenyane ge le fokotšwa ka tee e ba bokae?

Lesomesenyane ge le fokotšwa ka pedi e ba bokae?

Lesomesenyane ge le oketšwa ka tee e ba bokae?

Lesomesenyane ge le oketšwa ka pedi e ba bokae?



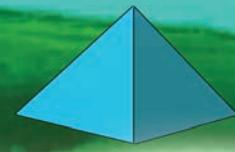
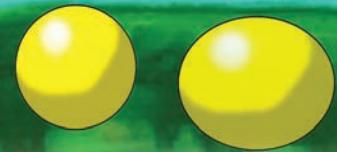
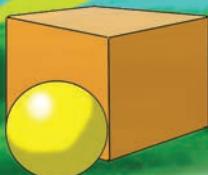
Ngwala nomoro ye e tlogetšwego.

Tše gape di bitšwa  
donomoro tekanelo.

I		3		5		7		9	
II		13		15		17		19	



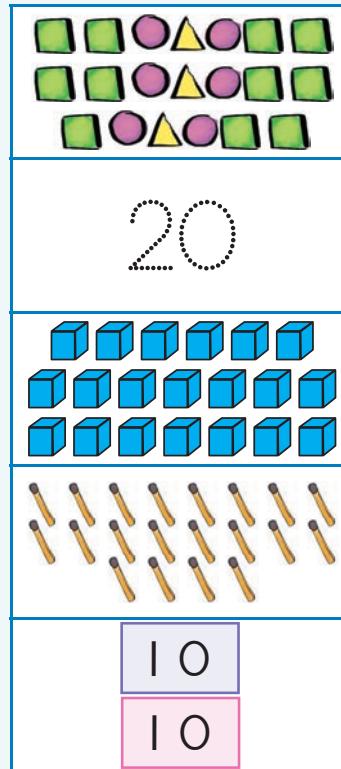
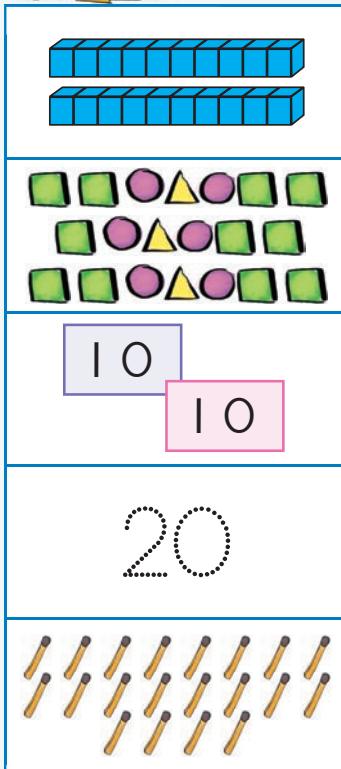
101



Kotara ya 4



Nyalanya diswantsho.



Latela dinomoro.

20 20 20 20

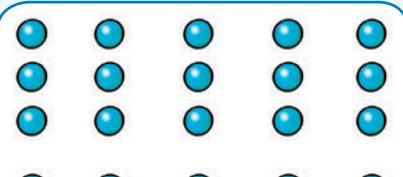
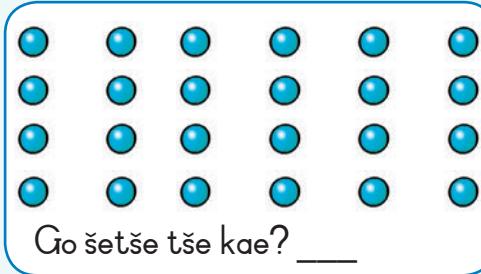
masomepedi

20 20 20 20

masomepedi



Dira sediko  
go diphetra  
tše 19 fela.



Feleletša lenaneo. Mothaloo wo mongwe le wo mongwe o  
na le seswantsho, nomoro le leina la nomoro yeo.

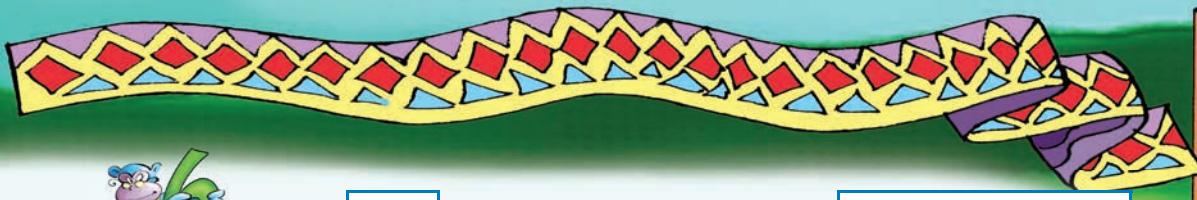
	20	masomepedi
		masomepedi
20		



20 ge le fokotšwa ka tee e ba  
bokae? \_\_\_\_\_

20 ge le oketšwa ka tee e ba  
bokae? \_\_\_\_\_





Kopanya  
nomoro le leina  
la yona.

0
1
2
3
4
5
6
7
8
9
10
11
12
13
14



Ngwala nomoro ye e  
tlogetšwego.

Pele ga		Morago ga
16	17	
	12	
	14	
	9	10
	6	

nne
šupa
senyane
tharo
lesometee
lesomepedi
tee
pedi
seswai
lefela
hlano
tshela
lesometharo
lesome
lesomenne



Šomiša mantšu a: nnyane le  
kgolo, go feleletša tše:

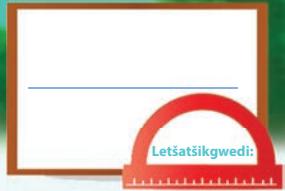
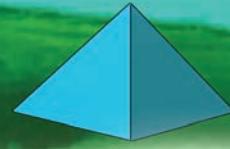
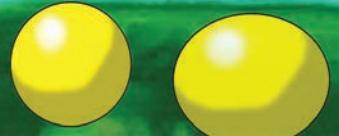
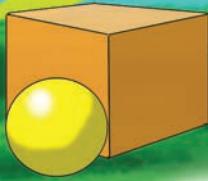
35 ke ye \_\_\_\_\_ go 38

79 ke ye \_\_\_\_\_ go 65



Teacher:  
Sign:  
Date:

102



Kotara ya 4

## Go hlakantšha



Dira sediko go nomoro ye kgolo kudu polokong ye nngwe le ye nngwe.

3	5	15	11	20	8
8	7	12	6	17	18

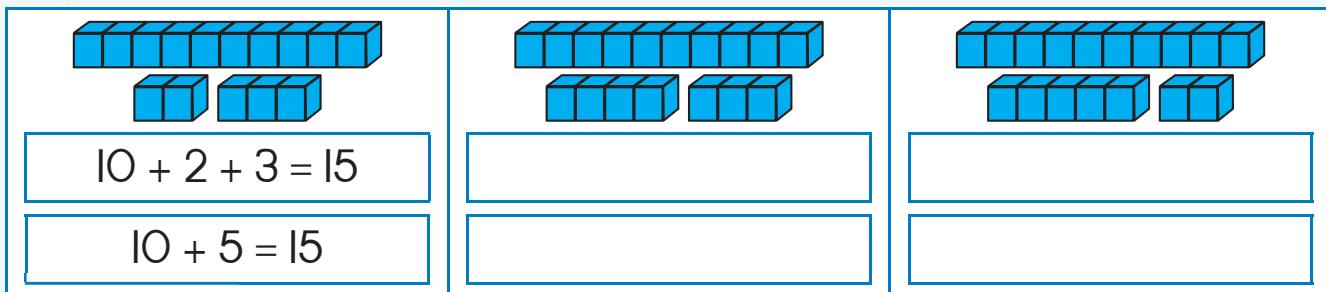


Hlakantšha tše di latelago.  
Thoma ka go bea nomoro  
ye kgolo go feta, pele.

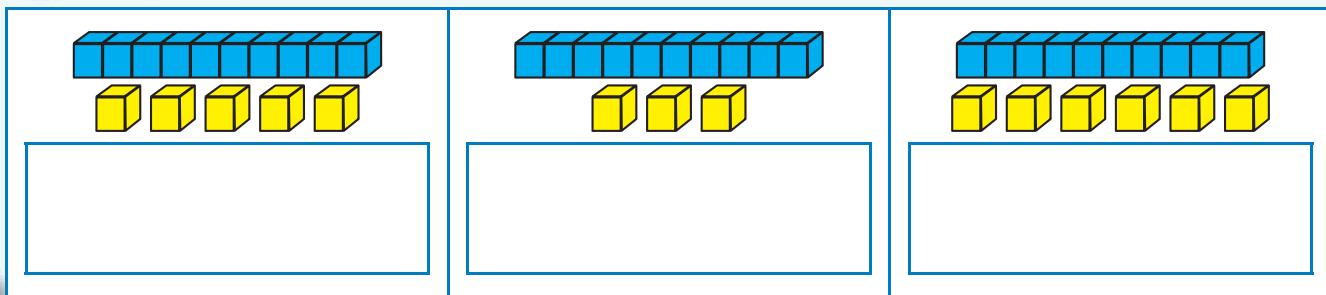
$1 + 1 + 5 =$	$5 + 1 + 1 =$
$6 + 2 + 10 =$	
$3 + 4 + 2 =$	
$2 + 6 + 3 =$	
$1 + 10 + 2 =$	



Hlakantšha dipoloko.

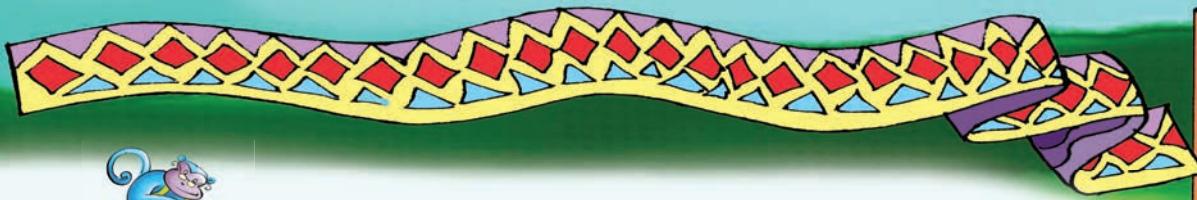


Ngwala lefokopalo la tše di latelago:

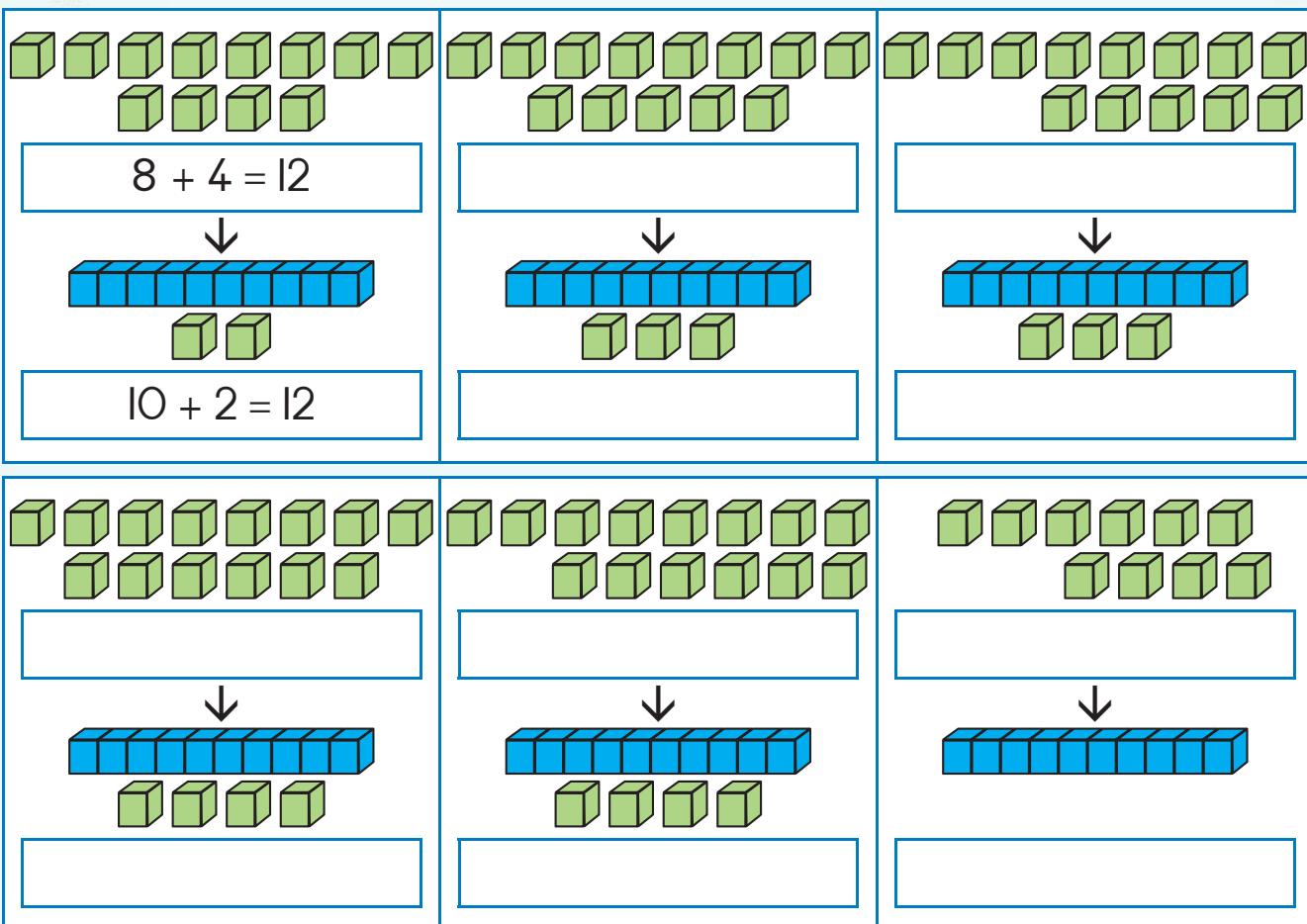


76

0 1 2 3 4 5 6 7 8 9 10



Ngwala lefokopalo la ye nngwe le ye nngwe ya tše di latelago:



Ngwala dinomoro tše di tlogetšwego.

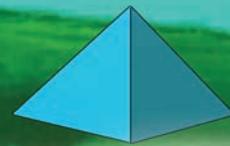
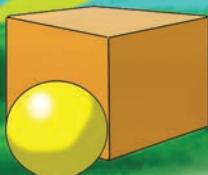
	+	14	=	17
q	+		=	20
12	+	8	=	
15	+		=	20
	+	6	=	13
14	+	3	=	0



Teacher:  
Sign:  
Date:



103



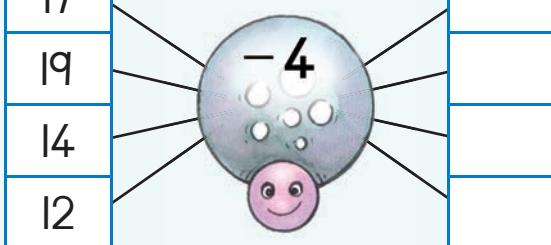
## Go ntšha

Kotara ya 4

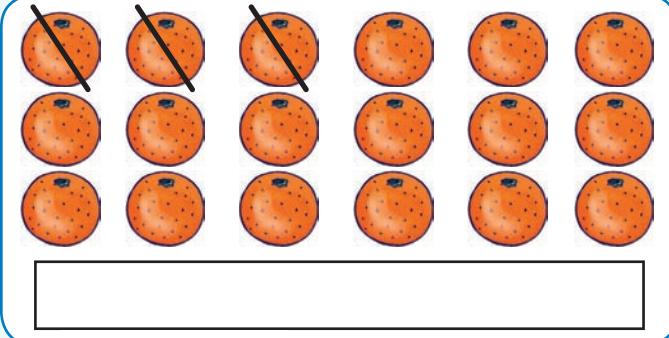


Ngwala karabo.

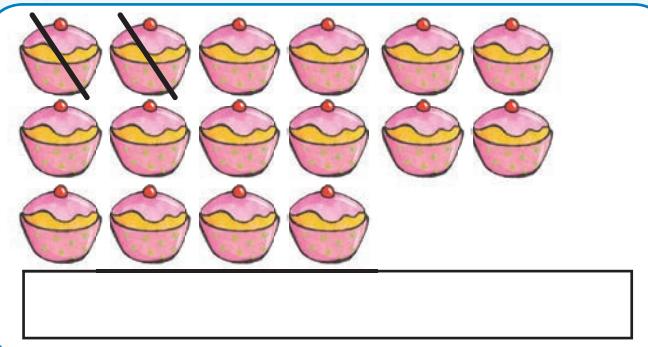
17
19
14
12



Ngwala lefokopalo.

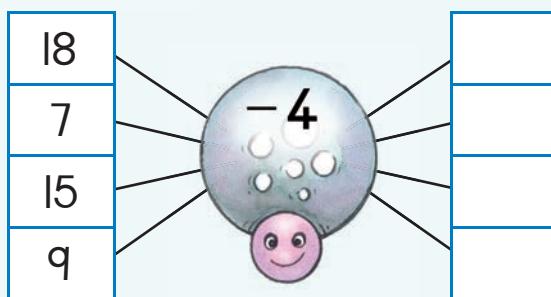


Ngwala lefokopalo.

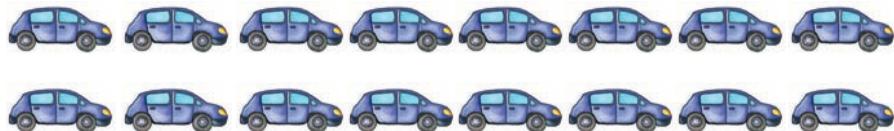


Ngwala karabo.

18
7
15
9



Feleletša dipalo ka go šomiša dithalwa.

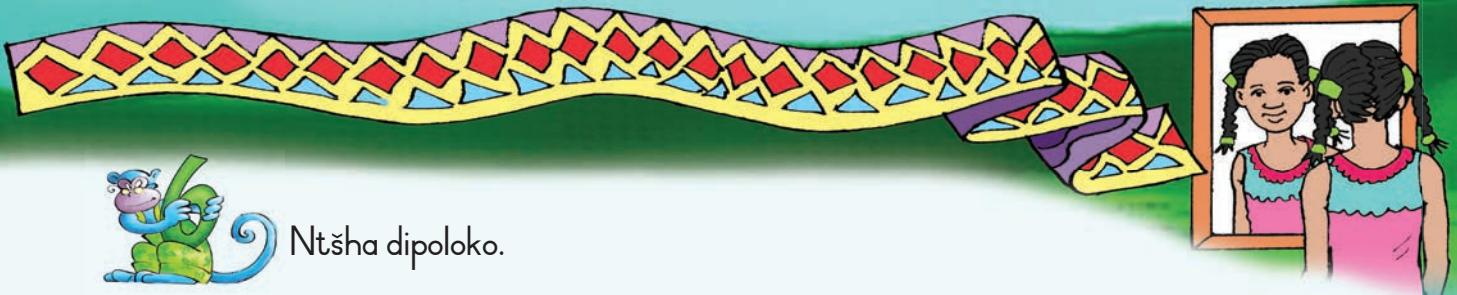


$$16 - \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



$$10 + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$





Ntšha dipoloko.

 $(10 + 3) - 2 =$ <input type="text"/> $13 - 2 =$ <input type="text"/>	 <input type="text"/> $10 + 3 - 2 =$ <input type="text"/>	 <input type="text"/> $10 + 3 - 2 =$ <input type="text"/>
--	--	--



Ngwala  
dikarabo tša  
tše di latelago:



$11 + 7 =$ <input type="text"/> $11 + 4 +$ <input type="text"/> $=$ <input type="text"/> $19 - 7 =$ <input type="text"/> $19 - (5 +$ <input type="text"/> $) =$ <input type="text"/>	$11 + 7 =$ <input type="text"/> $11 + 5 +$ <input type="text"/> $=$ <input type="text"/> $17 - 9 =$ <input type="text"/> $17 - (7 +$ <input type="text"/> $) =$ <input type="text"/>
---	---

Feleletša tše di latelago:

5 gabedi ke	<input type="text"/>	3 gabedi ke	<input type="text"/>	4 gabedi ke	<input type="text"/>
7 gabedi ke	<input type="text"/>	2 gabedi ke	<input type="text"/>	8 gabedi ke	<input type="text"/>
10 gabedi ke	<input type="text"/>	9 gabedi ke	<input type="text"/>	1 gabedi ke	<input type="text"/>

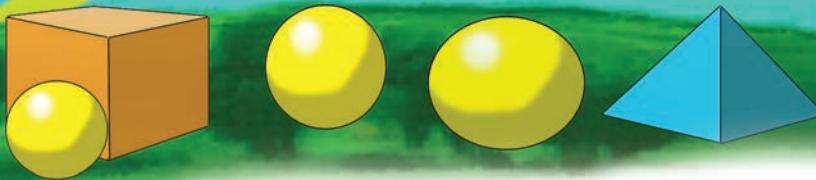


Ngwala  
dikarabo tša  
tše di latelago:

$9 + 9 - 1 =$	<input type="text"/>	goba	$9$ gabedi ntšha l ke =	<input type="text"/>
	<input type="text"/>	goba	$5$ gabedi ntšha l =	<input type="text"/>
$4 + 4 - 1 =$	<input type="text"/>	goba		



104



Kotara ya 4



Bala gore ke dikatse tše kae tše di dutšego letšatšing. Bošego tše dingwe tša tšona di a tloga tša yo robala ka morago ga leboto. Humana gore ke tše kae tše di lego ka morago ga leboto gomme o ngwale palo yeo.

$3 + \boxed{\quad} = 8$

$4 + \boxed{\quad} = 6$



Rarolla tše di latelago.  
O ka thala seswantšo gore se go thuše.



Boati o be a e na le dinamune tše 4. Peter a mo fa dinamune tše 13.  
Na, bjale o na le dinamune tše kae ge di hlakane?

Motswaledi o na le dikrayone tše 5. Anne o na le diphensele tše 8.  
Ke mang yo a nago le dikrayone tša palo ya tlase?



80

0

1

2

3

4

5

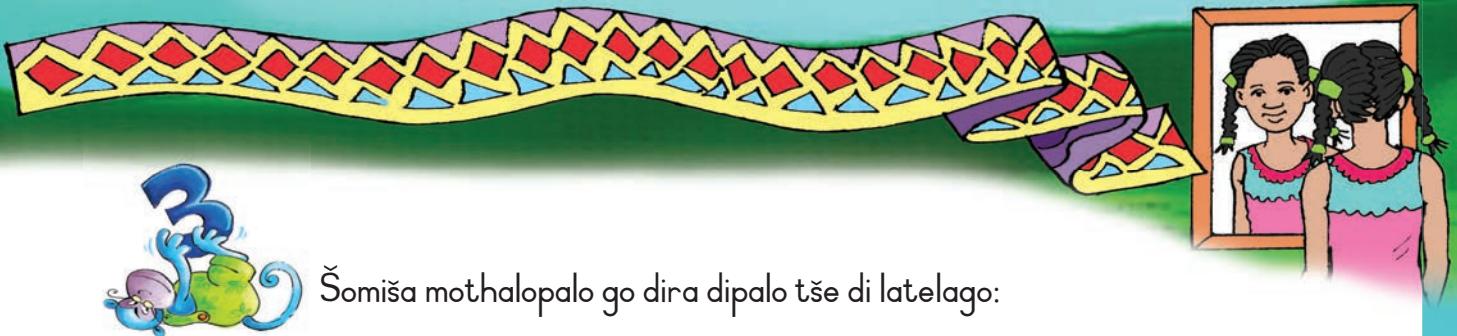
6

7

8

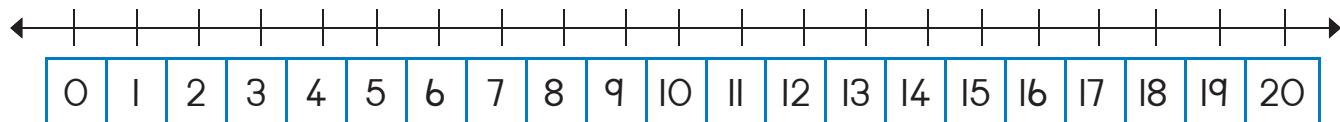
9

10

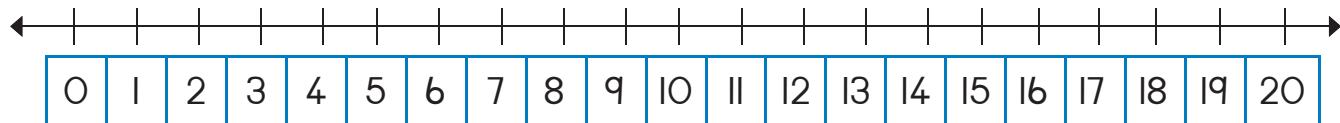


Šomiša mothalopalo go dira dipalo tše di latelago:

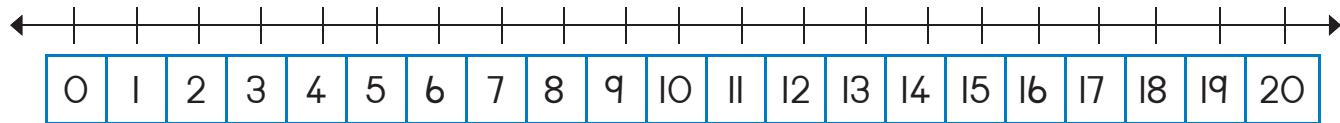
Thati o na le dimabolo tše 6 tše talamorogo le tše 9 tše talalerata.  
O na le dimabolo tše kae?



Phuki o na le dimabolo tše 16. Tše seswai ke tše talamorogo gomme tše dingwe ka moka ke tše talalerata. Phuki o na le dimabolo tše kae tše talalerata?



Thati o na le dipanana tše 19. Reabetšwe o na le dipanana tše 10.  
Thati o na le dipanana tše go feta tše Reabetšwe ka tše kae?



Dinomoro tše di lego gare ga 25 le 30 ke dife?



Dira sediko go nomoro ye e fetago 76 ka 1.

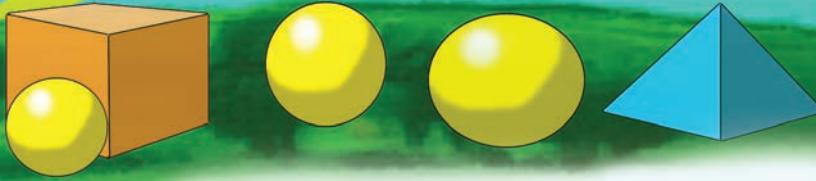
74	75	76	77	78
----	----	----	----	----



Dira sediko go nomoro ye e fetago 76 ka 2.

74	75	76	77	78
----	----	----	----	----

105



Kotara ya 4



Ke mang yo a feditšego lebelo mo phadišanong?  
Ngwala maemo ka tlase ga diswantšho.

Mogoroši	Tumišo	Motswaledi	Peter	Ann
<input type="text"/>	2	3	<input type="text"/>	<input type="text"/>



Ba thale ba  
le godimo ga  
sethala.

Silibera	Gauta	Pronse

Ke mang yo a hweditšego gauta? \_\_\_\_\_ Ke mang yo a hweditšego silibera? \_\_\_\_\_



Thala lenti la dipheta go ya  
ka mo go latelago.

Pheta ya mathomo ke ye talalerata.  
Pheta ya bobedi ke ye khubedu.  
Pheta ya boraro ke ye talamorogo.  
Pheta ya bone ke ye serolane.  
Pheta ya bohlano ke ye talalerata.  
Pheta ya boselela ke ye khubedu.  
Pheta ya bošupa ke ye talamorogo.  
Pheta ya boseswai ke ye serolane.  
Pheta ya bosenyane ke ye talalerata.  
Pheta ya bolesome ke ye khubedu.

Lenti la ka la dipheta.



82



Lebelela tatelano ya dibopego.  
Kopisa dibopego maemong a tšona a maleba mo lenaneong.  
Re go diretše ya mathomo.



### Ke sebopego sefe seo se lego sa:

bone		bošupa	
bohlano		bosenyane	
bobedi		mafelelo	
boraro		botshelela	



Dira tše di latelago:



Khalara sediko sa mathomo ka bohubedu.



Khalarasediko sa bohlano ka boserolane.



Khalara sediko sa boseswai ka botalalerata.



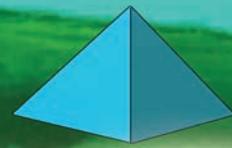
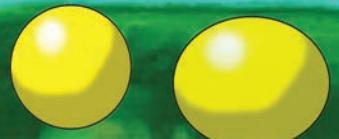
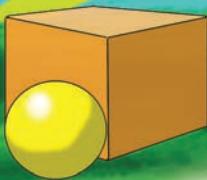
Thala mothalopalo wa botelele bjo: 10 go fihla go 20.

Dira sediko nomorong ya boraro le ya boseswai.



--

106

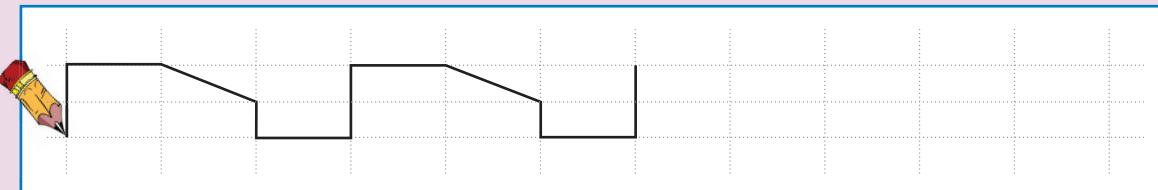


## Dilo le dibopego

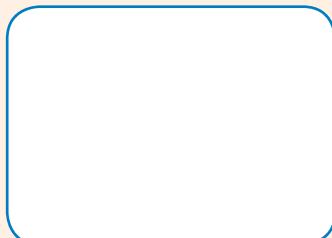
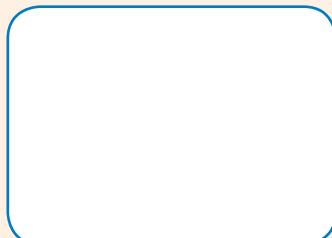
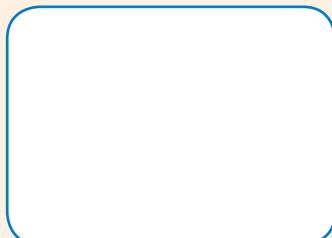
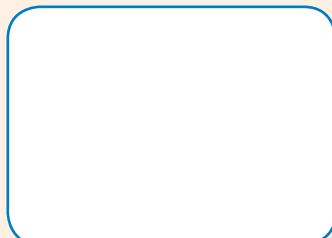
Kotara ya 4

Poeletšo:

Poeletšo: Feleletša patronē.



Hwetša diswantšho tše pedi tša bolo le tše pedi tša lepokisi ka kuranteng goba ka kgatišobakeng gomme o di mamaretše mo tlase.



Thala sediko se setalalerata go dikologa dilo ka moka tšeо di ka thelelago.  
Thala sekwere se sehubedu go dikologa dilo ka moka tšeо di ka pshikologago.



0

2

3

4

5

6

7

8

9

10



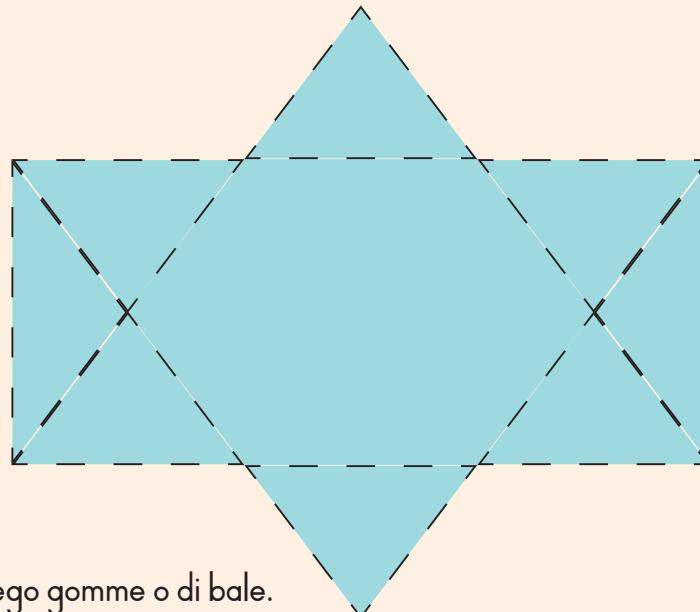
Latela dibopego gomme o di bale.

le pokisi

bolo



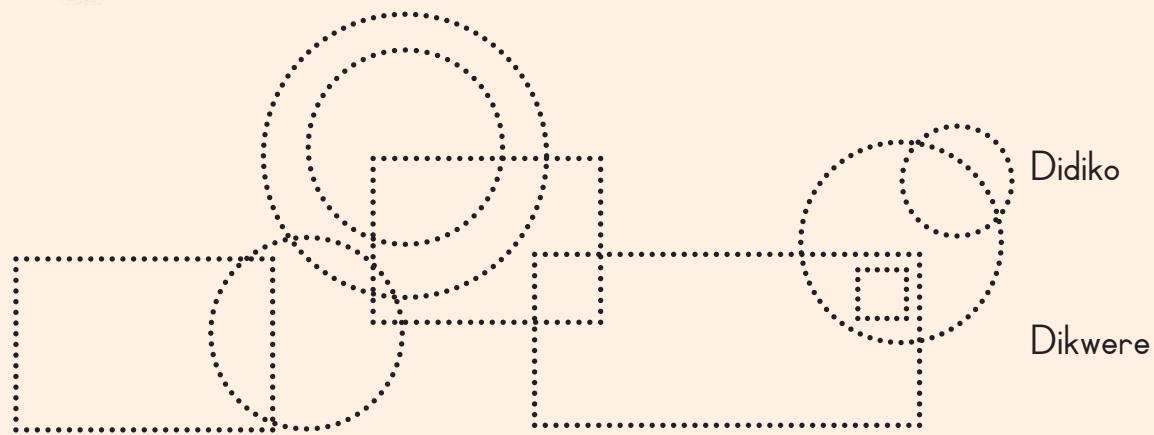
Bala dikhutloharo ka moka ka morago o ngwale nomoro.



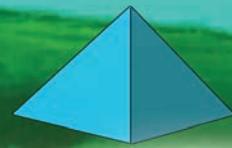
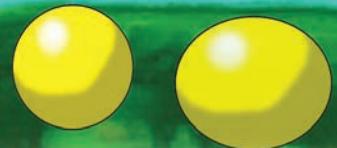
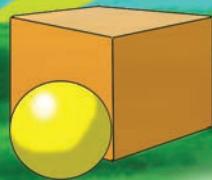
Karabo:



Latela dibopego gomme o di bale.



107



Kotara ya 4



O ka nyalanya  
dikhoine dife?

## Tšhelete

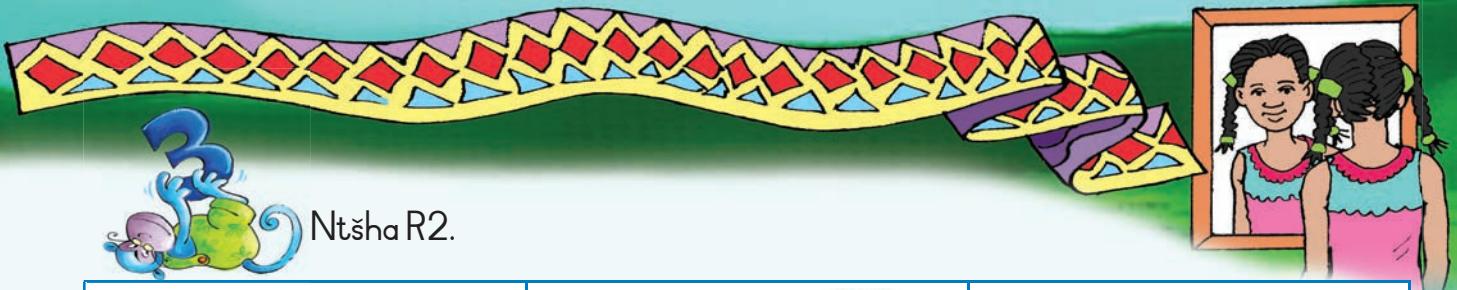


Swaya dikhoine le tšhelete ya pampiri polokong ye nngwe le ye ngwe tše di  
tlago go go fa tše di latelago:

RIO		 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
		 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>

R20		 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
		 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>

RI5		 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
		 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>



Ntšha R2.

$RI2 - R2 = RIO$		



Ntšha R5.

$RI5 - R5 = RIO$		



O ka thala ditlhakanyi tše kae tša go fapano ka R20?

Re go diretše ya mathomo.



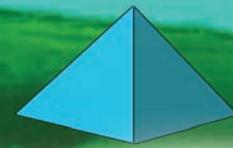
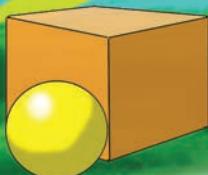

Dira sediko go dikologa khoine  
mothalong wo mongwe le wo  
mongwe yeo o ka e rekago go  
feta tše dingwe.



Teacher:  
Sign:  
Date:



108



Kotara ya 4

## Tšhelete go ya pele

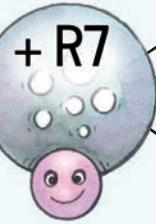


Ngwala karabo.

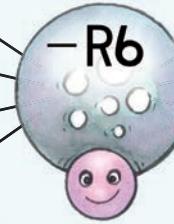


Ngwala karabo.

R5
R9
R7
R4




RI3
RI5
RI7
RI4






Ngwala karabo.



Ye ntši ke efe? Dira sediko  
go karabo ya gago.

RIO + RI =	
RIO + R2 =	
RIO + R3 =	
RIO + R4 =	
RIO + R5 =	

5c goba R5
20c goba R20
RI goba 50c
R2 goba RI
20c goba 50c



Hlakantšha dinomoro ka go ya ka mathoko le ka go ya fase gomme o  
ngwale dikarabo.

R2	R4	R9	=
R7	R3	R5	=
R6	R8	RI	=
=	=	=	=



O

1

2

3

4

5

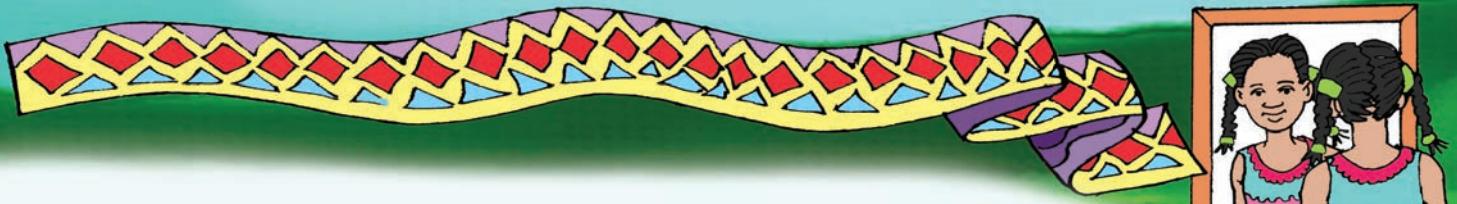
6

7

8

9

10



Lebelela mehlala  
gomme o feleletše  
tše di šetšego.



Oratilwe o rekile borotho ka  
R8. O ntšitše RIO ya pampiri ge a bo  
lefela. O boetšwe ke tšhentšhi ya bokae?



RI7	=	RIO	+	R7
RI6	=		+	
RI5	=		+	
RI4	=		+	
RI3	=		+	
RI2	=		+	



Mmagoboati o rekile kuane  
ka RI9. Ge a e lefela o  
ntšitše di RIO tše pedi  
tše pampiri. O boetšwe ke  
tšhentšhi ya bokae?



Letšatši la matswalo a Judy le bile ka  
Lamorena. O hweditše R5 go tšwa go  
ngwana wa gabu wa mosetsana, R2 go  
tšwa go kgaetšedi ya gagwe, le RIO go  
tšwa go motswala wa gagwe. O hweditše  
bokae ge e hlakana?

Potšišo e reng?

---



---

Ngwala dinomoro.

---

Ngwala palo gomme o nyake karabo ya yona.

---



---

Potšišo e reng?

---



---

Ngwala dinomoro.

---

Ngwala palo gomme o nyake karabo ya yona.

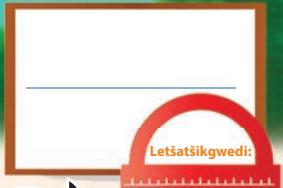
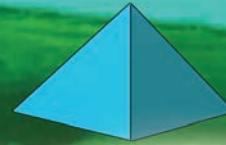
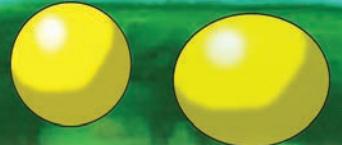
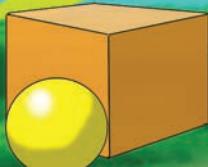
---



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10q

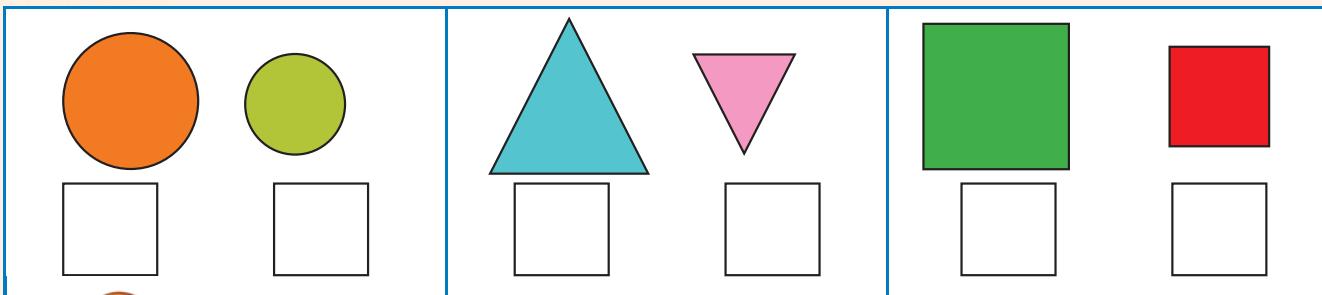


Kotara ya 4

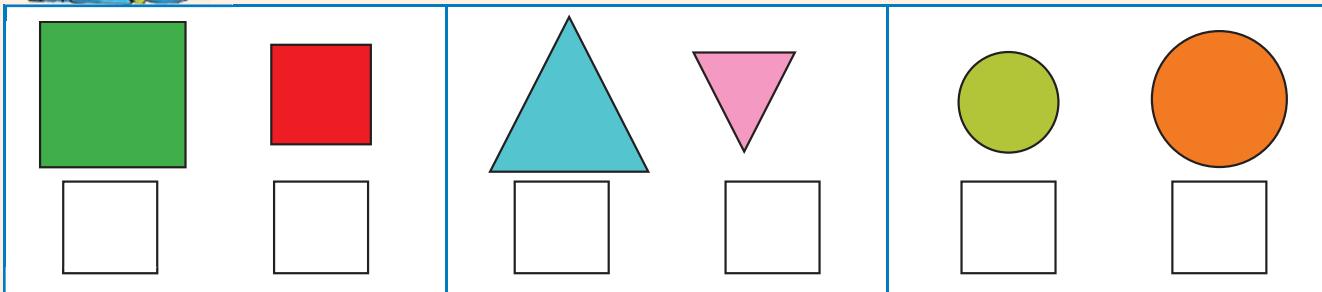


## Dibopego tša mahlakorepedi (2-D)

Swaya sebopego se sennyane go feta polokong ye nngwe le ye nngwe.

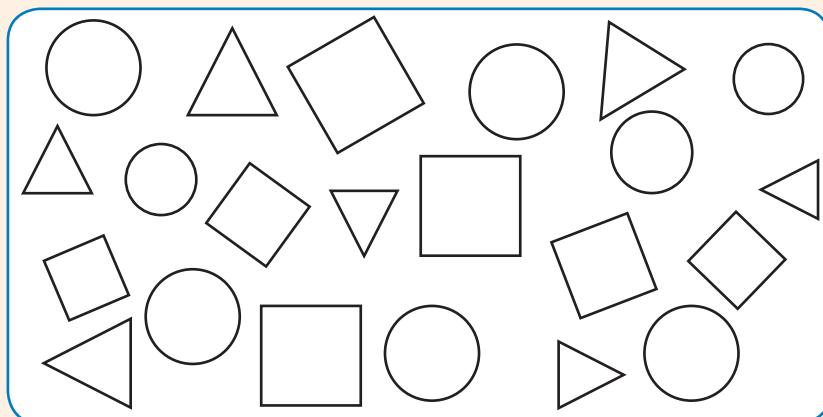


Swaya sebopego se segolo kudu polokong ye nngwe le ye nngwe.

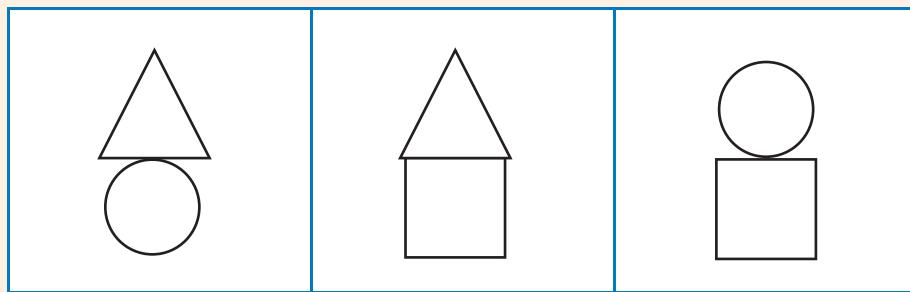


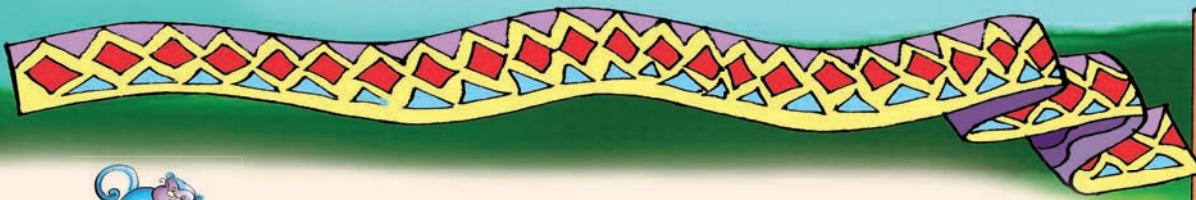
Khalara dibopego  
ka moka ka tsela  
ye:

- dikwere botalalerata
- dikhutloharo bohubedu
- didiko botalamorogo

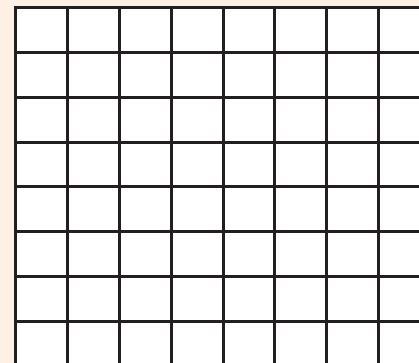
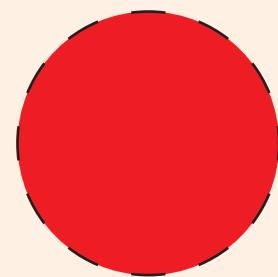
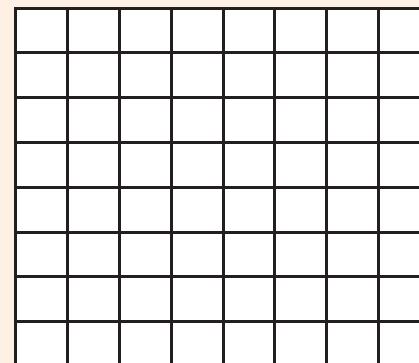
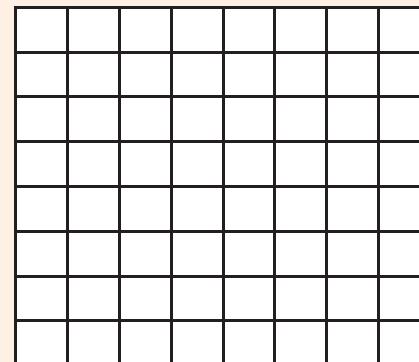
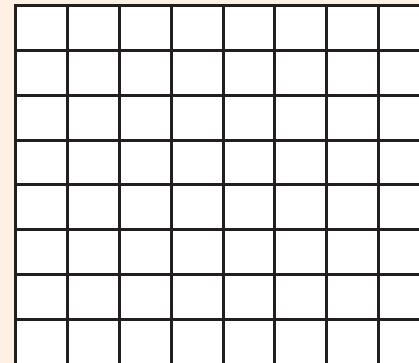
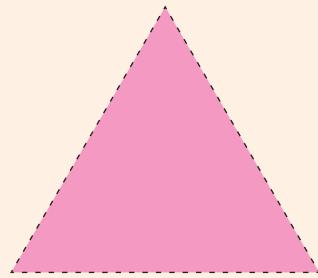


Dira seswantšho ka go  
šomiša dibopego. Re thomile  
seswantšho se sengwe le se  
sengwe ka dibopego tše pedi.





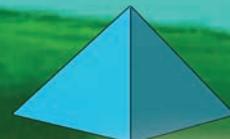
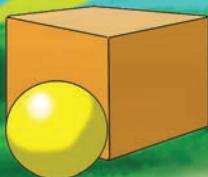
Thala dibopego tše di lego ka go kriti.  
Šomiša dikwere tše nnyane gore di go thuše.



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Date:



10



Kotara ya 4



Latela dibopego tše di latelago.

1

2

3

4

5

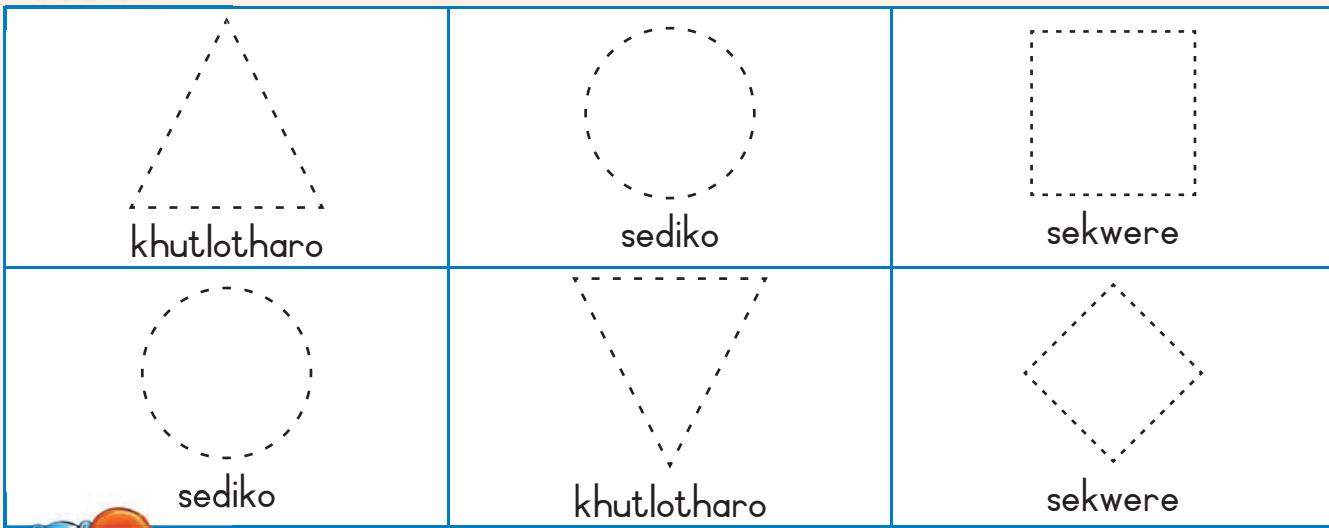
6

7

8

9

10



Swaya go bontšha ge eba mathoko ke a a lego thwi goba ke a dikgokolo.

2

3

4

5

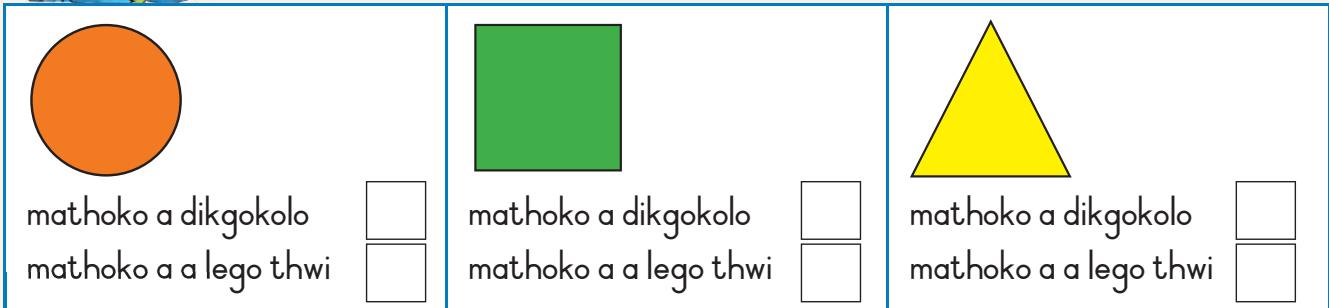
6

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8

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10



Thala sebopego se se nago le:

3

4

5

6

7

8

9

10



0

1

2

3

4

5

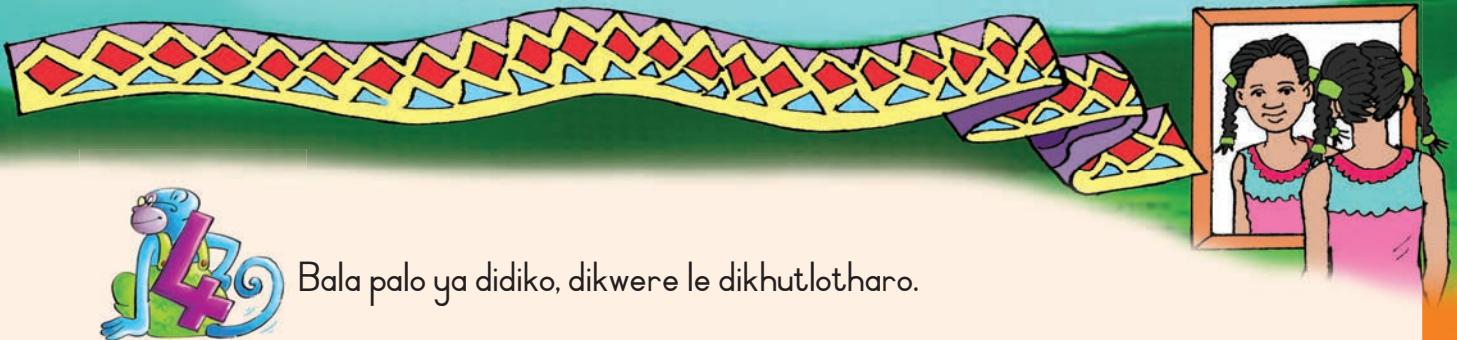
6

7

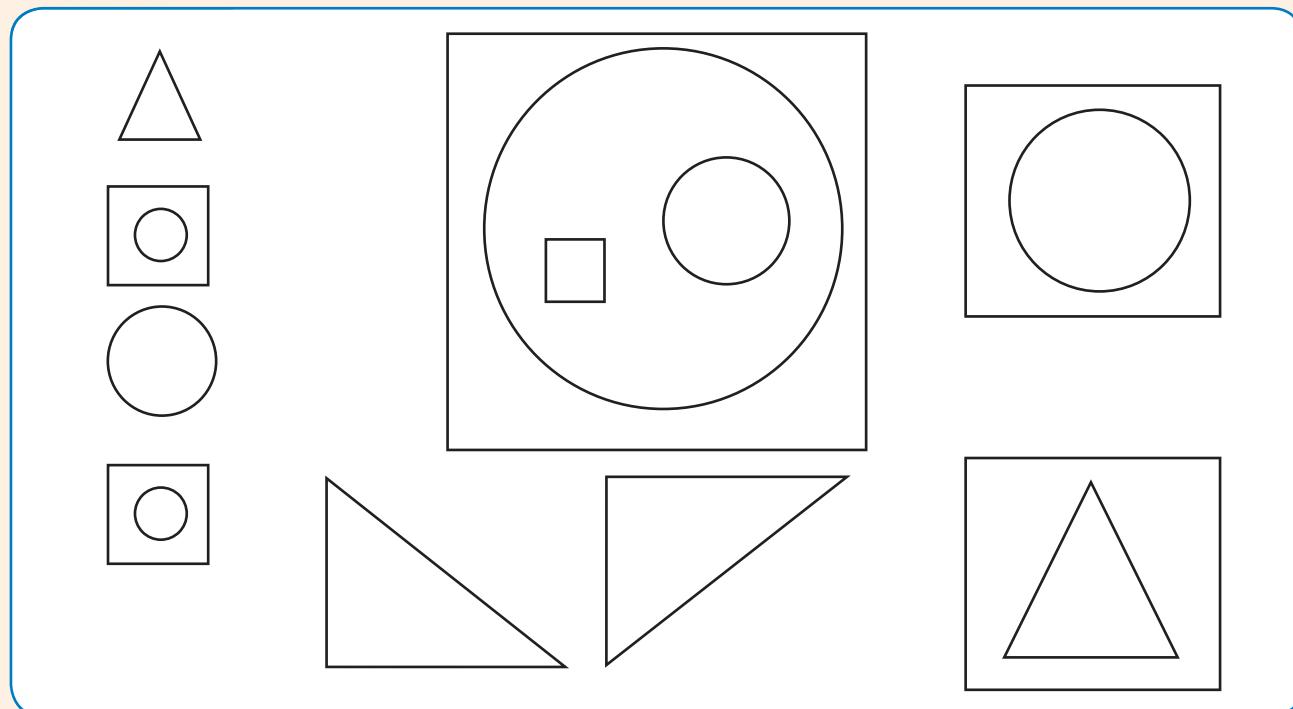
8

9

10



Bala palo ya didiko, dikwere le dikhutlotharo.



sediko

sekwere

khutlotharo



Hwetša seswantšho ka go kgatišobaka, se se itšego, se se nago le:

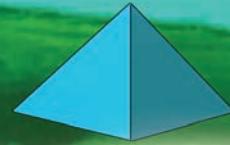
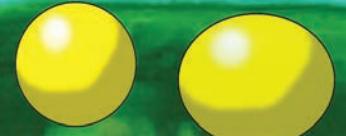
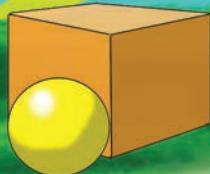
mathoko a dikgokolo

mathoko a a lego thwi



Teacher:  
Sign:  
Date:

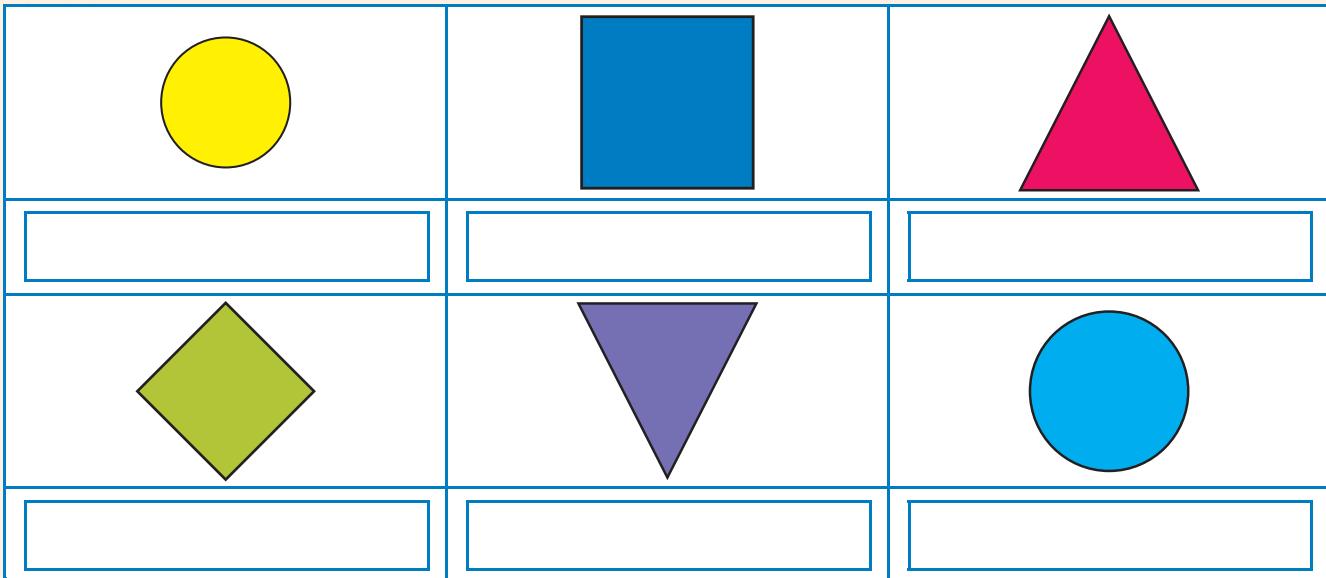




Kotara ya 4



Bolelang maina a dibopego tše di latelago:



Thala seswantsho ka bowena, o šomiša didiko, dikhutlotharo le dikwere fela.



94

0

1

2

3

4

5

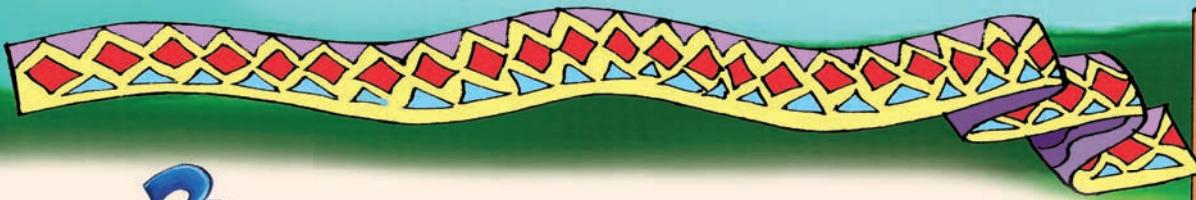
6

7

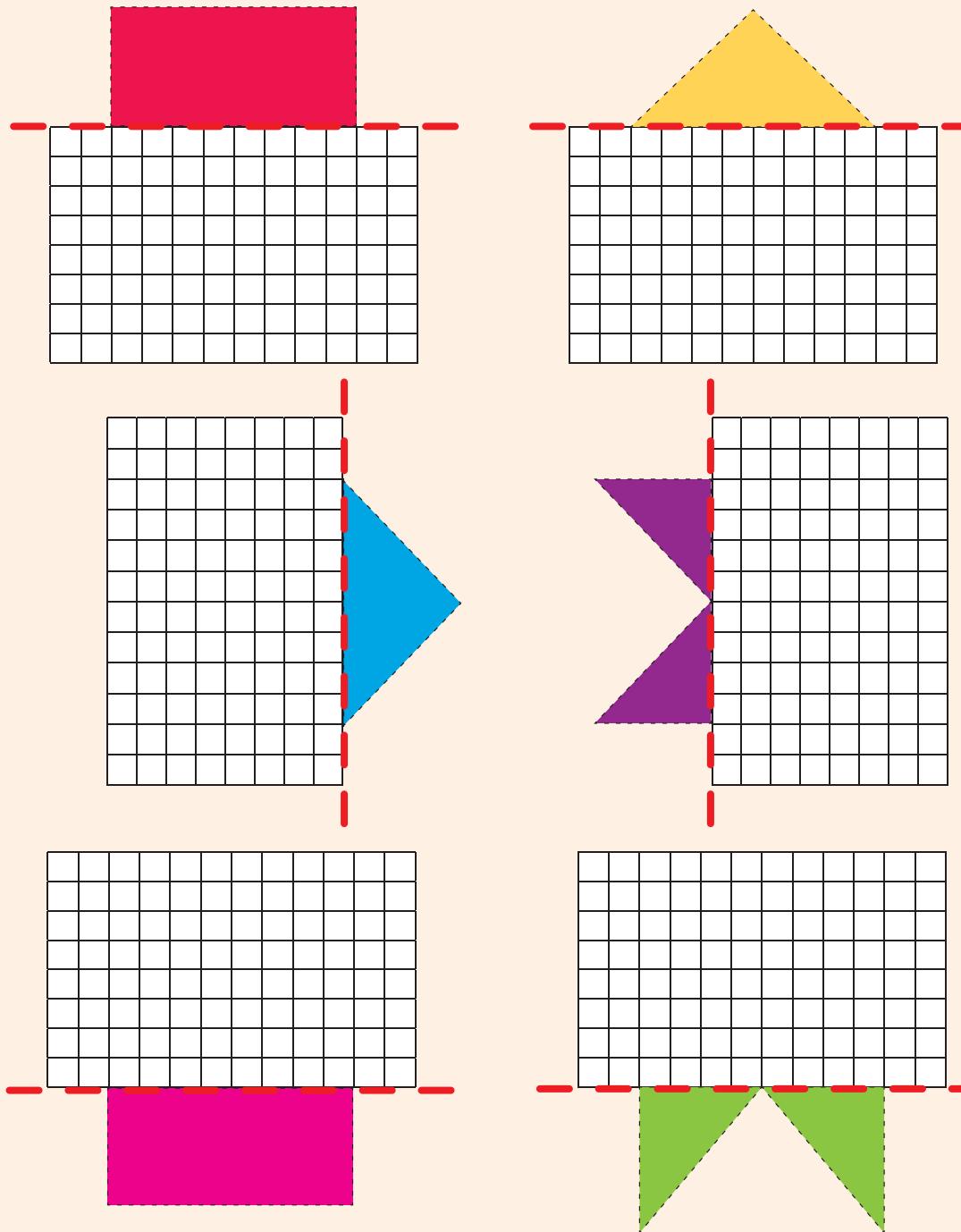
8

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10



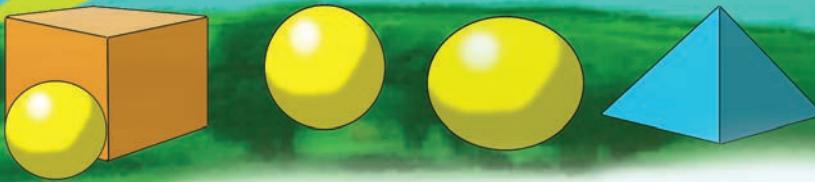
Thala seripagare se sengwe sa sebopego se sengwe le se  
sengwe. Šomiša dikwere tše nnyane gore di go thuše.



Ka moka di na le mahlakore ao a lego  thwi le ao a lego  kgokolo.



12



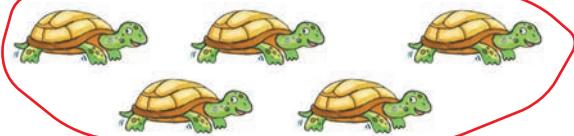
## Dihlopha tša di-5 go fihla go 20

Kotara ya 4

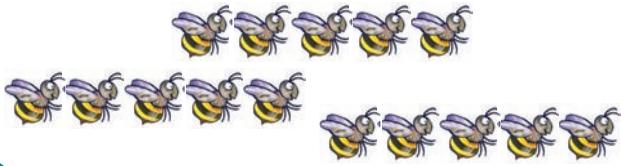


Thala didiko go dira dihlopha tša di-5.  
O na le dihlopha tše kae tša di-5?

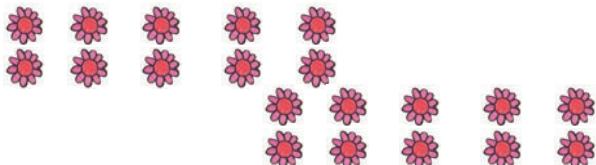
Sehlopha se  | sa di-5



Dihlopha tše  tša di-5



Dihlopha tše  tša di-5



Dihlopha tše  tša di-5



Bala palo ya menwana. Ngwala karabo ya gago.



$5 + 5 + 5 =$



$5 + 5 + 5 + 5 =$



$5 + 5 + 5 + 5 + 5 =$



$5 + 5 + 5 + 5 + 5 + 5 =$



96

0

1

2

3

4

5

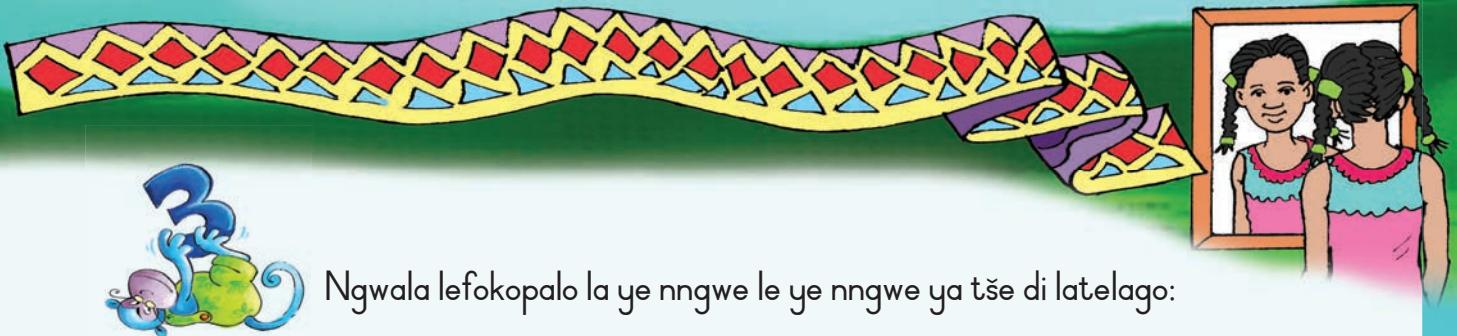
6

7

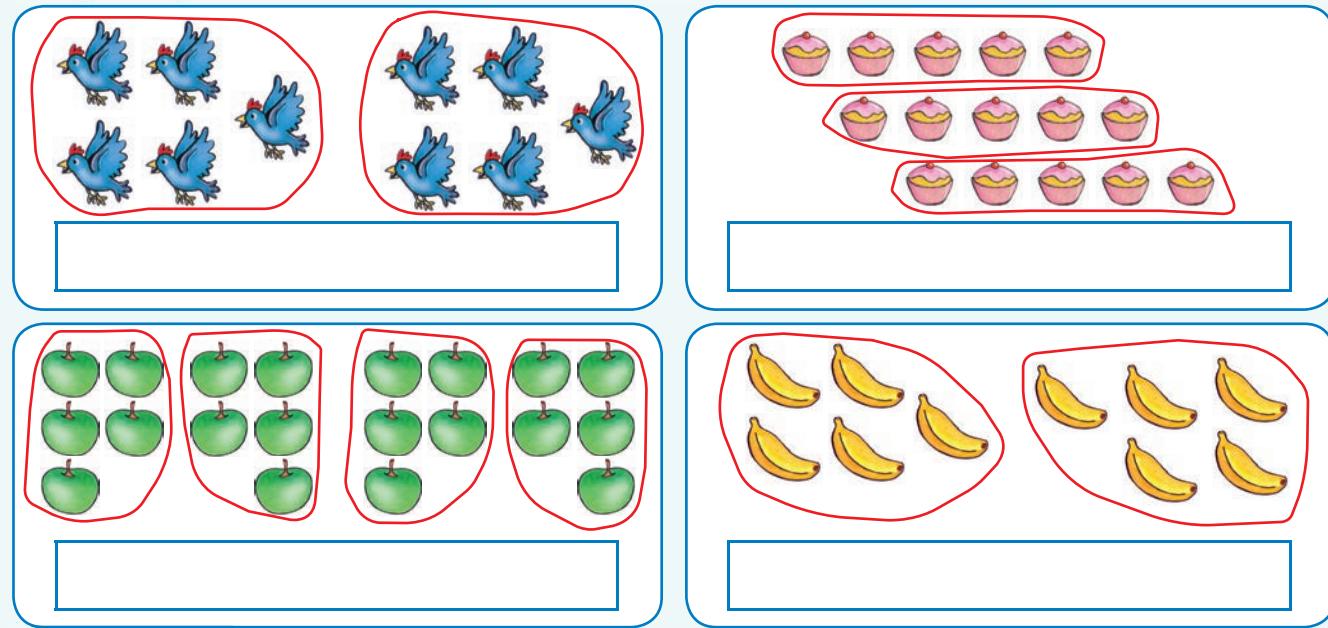
8

9

10



Ngwala lefokopalo la ye nngwe le ye nngwe ya tše di latelago:



Araba dipotšišo.



O bona dikhoiné tše kae  
tša di -5?

Ngwala karabo ka tsela  
ya lefokopalo:

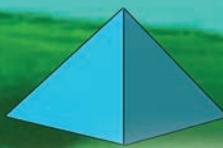
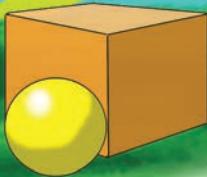


Ngwala dinomoro tšeо di tlogetšwego.

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



13

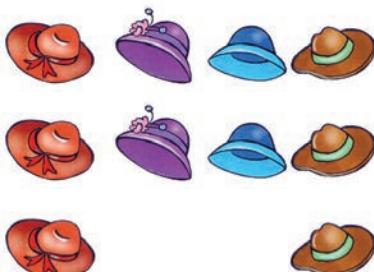
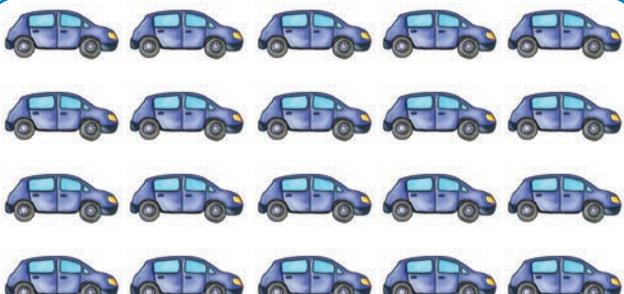
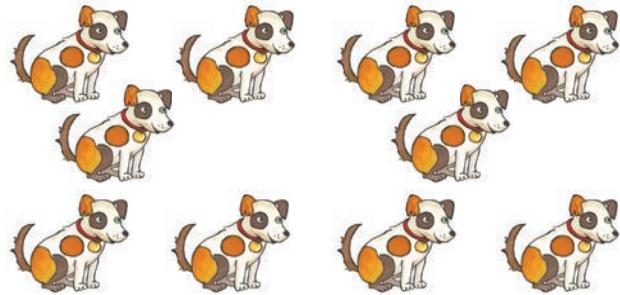


Kotara ya 4

## Di-5: go hlakantšha mo go bušeletšwago go fihla go 20



Dira dihlopha tša di-5 gomme o ngwale lefokopalo.



Thala dihlopha tša dibopego go laetša lefokopalo.

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

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



98

0

1

2

3

4

5

6

7

8

9

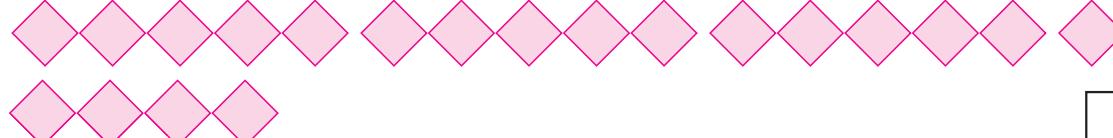
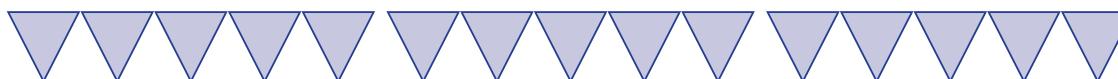
10



Ngwala lefokopalo la ye nngwe le ye nngwe ya tše di latelago:



$5 + 5 =$



O bala dinomoro tše hlano gakae? \_\_\_\_\_

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

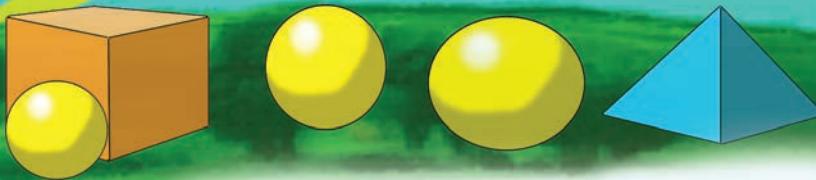


Go na le diatla tše 3 mo lefastereng. Go na le menwana ye mekae mo lefastereng?

Thala seswantšho gomme o ngwale lefokopalo.



14

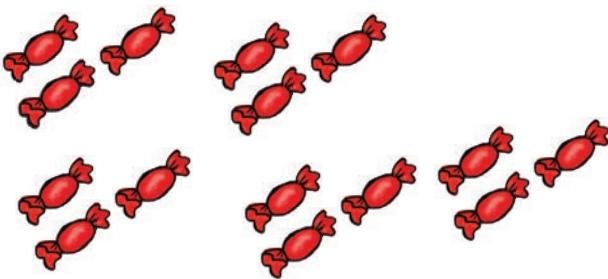


## Go abagana go fihla go 20

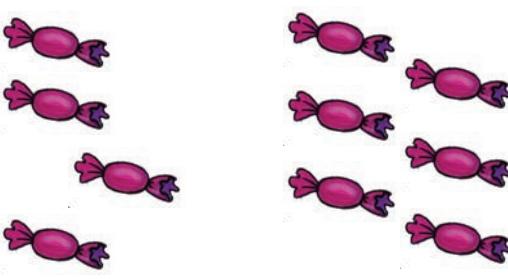
Kotara ya 4



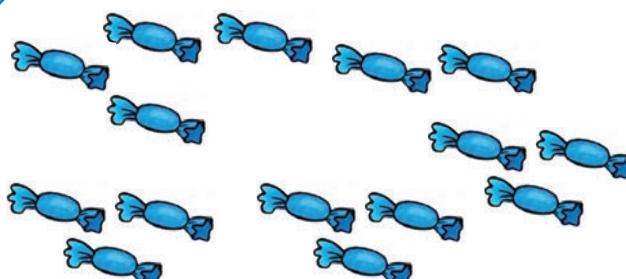
Abaganya malekere gare ga bagwera ba bahlano.  
Yo mongwe le yo mongwe o tla hwetša malekere a makae?



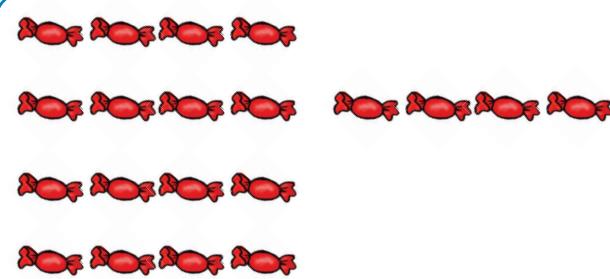
Mogwera yo mongwe le yo  
mongwe o tla hwetša malekere a:



Mogwera yo mongwe le yo  
mongwe o tla hwetša malekere a:



Mogwera yo mongwe le yo  
mongwe o tla hwetša malekere a:



Mogwera yo mongwe le yo  
mongwe o tla hwetša malekere a:

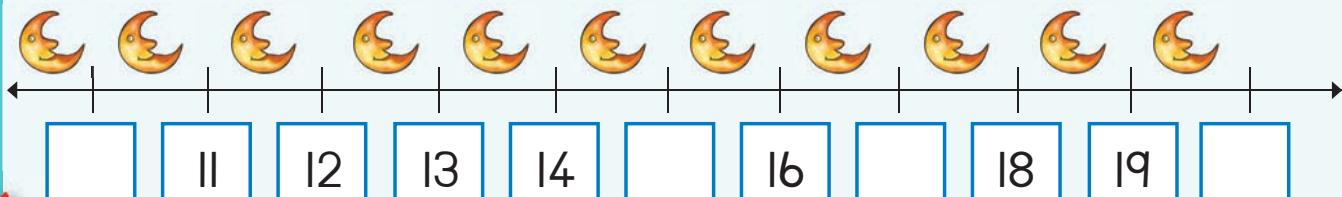


Khalara dikatišanetšwa tša hlano.

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



Ngwala dinomoro tše di tlogetšwego.



0 1 2 3 4 5 6 7 8 9 10



Dira seswantšho go laetša tše di latelago.  
Na go na le dibaledi tše di šetšego?

Abaganya dibaledi tše 10 gare ga bana ba bahlano.

Go šetše dibaledi tše .

Abaganya dibaledi tše 11 gare ga bana ba bahlano.

Go šetše dibaledi tše .

Abaganya dibaledi tše 6 gare ga bana ba bahlano.

Go šetše dibaledi tše .

Abaganya dibaledi tše 16 gare ga bana ba bahlano.

Go šetše dibaledi tše .



Ngwala lefokopalo la ye nngwe le ye nngwe ya tše di latelago:



$$5 + 5 =$$



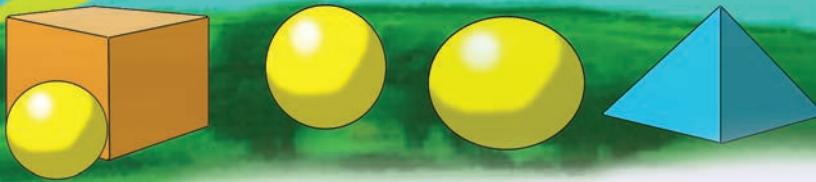






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115



Kotara ya 4



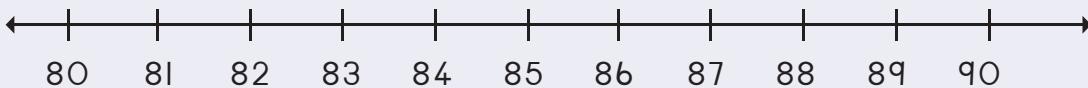
Feleletša patrone ka go khalara dikatišanetšwa tša hlano (5).

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



Thala dihulahupu go laetša tše di latelago:

86, 88, 90



70, 75, 80



55, 60, 65, 70



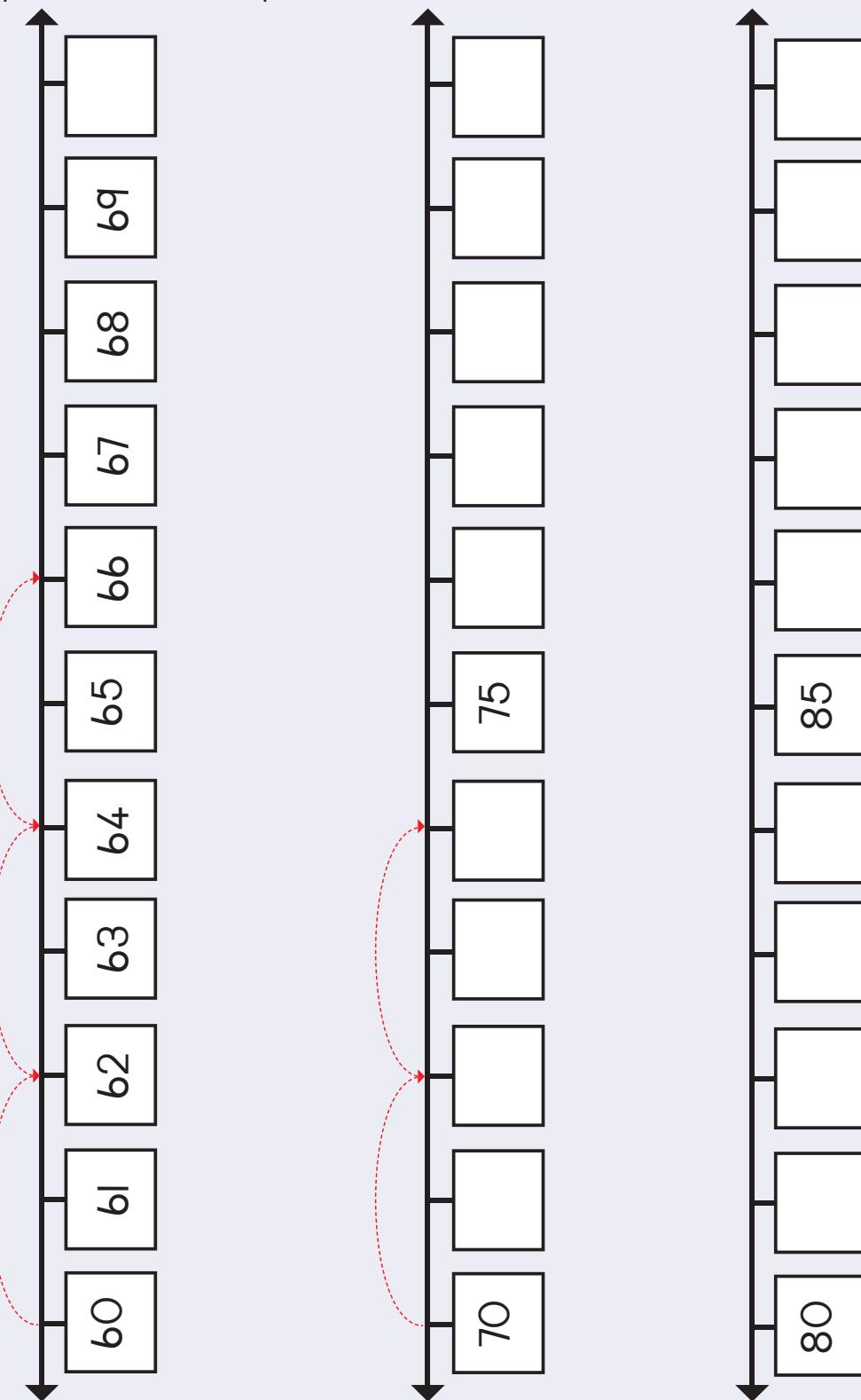
Šomiša tšhupanako go bontšha go bala metsotso ka di-5.



0 1 2 3 4 5 6 7 8 9 10



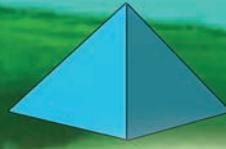
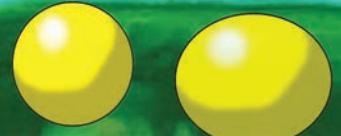
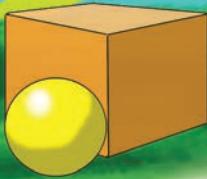
Bea dinomoro tša go tšwa go seseqwa sa 2 mafelong ao  
go ona dinomoro di tlogetšwego, mo methalopalong ye.  
Gape, feleletša dihulahupu.



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



16



Kotara ya 4



Nyalanya bokapele le  
bomorago bja phoofolo  
ye nngwe le ye nngwe.

## Kemo le ponagalo

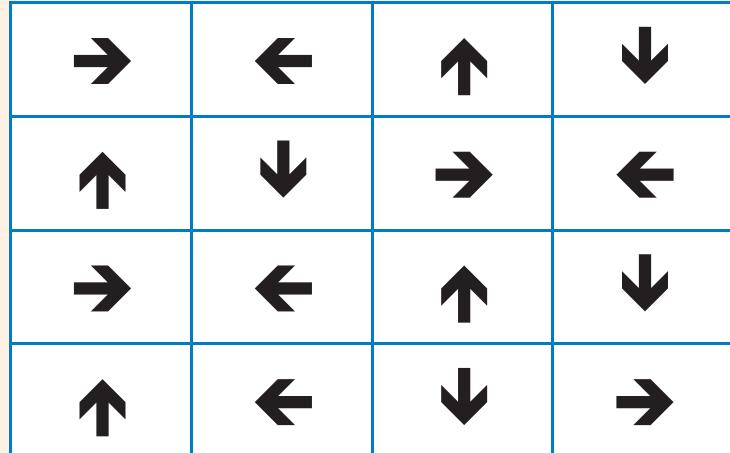
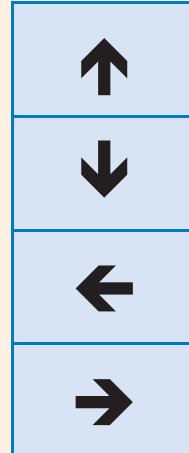
Pele

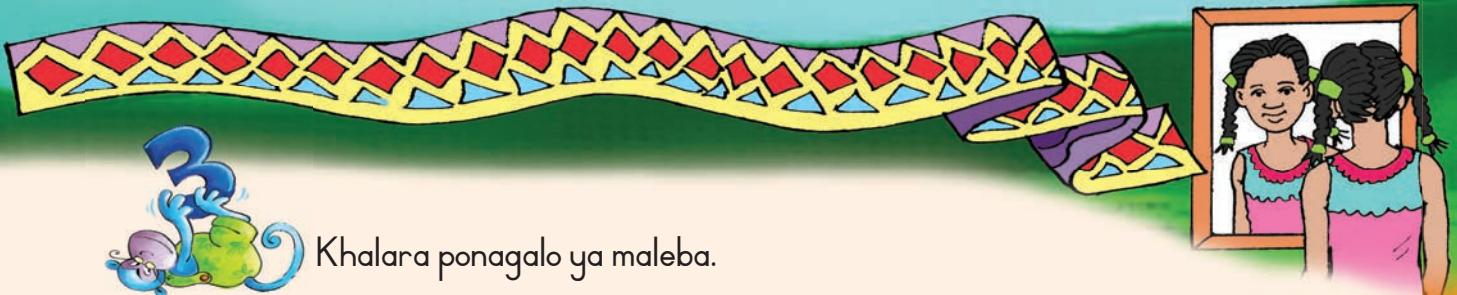


Morago

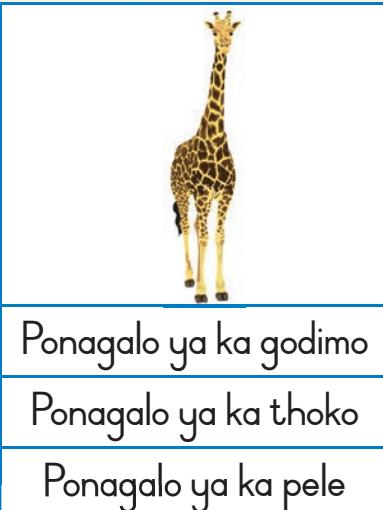


Dira sediko  
mosebeng wo o  
swanago le wa  
kholomo ya nngele  
mothalong wo  
mongwe le wo  
mongwe.

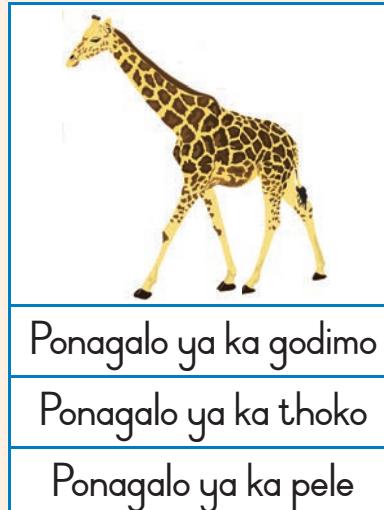




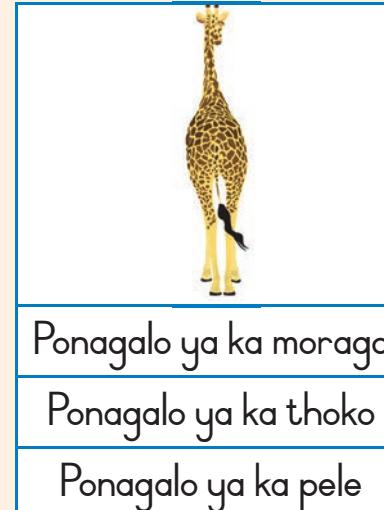
Khalara ponagalo ya maleba.



Ponagalo ya ka godimo  
Ponagalo ya ka thoko  
Ponagalo ya ka pele



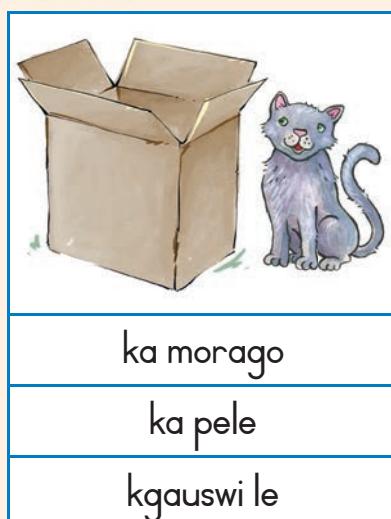
Ponagalo ya ka godimo  
Ponagalo ya ka thoko  
Ponagalo ya ka pele



Ponagalo ya ka morago  
Ponagalo ya ka thoko  
Ponagalo ya ka pele



Katse e kae?  
Khalara karabo ya maleba.



ka morago  
ka pele  
kgauswi le



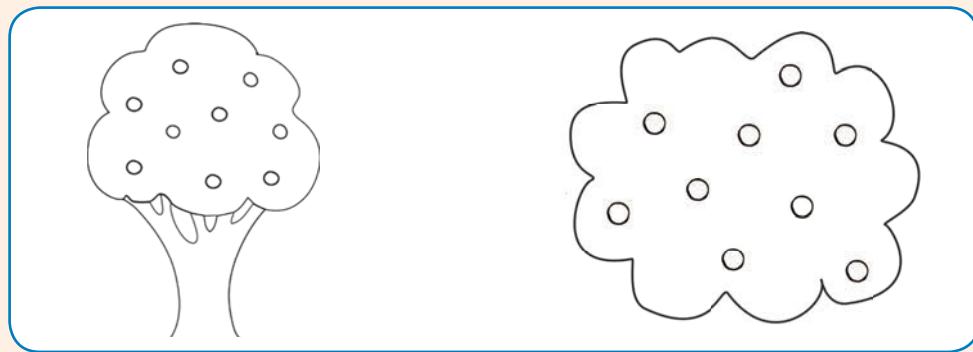
ka morago  
ka pele  
kgauswi le



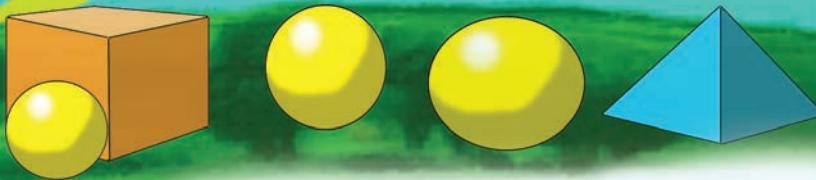
ka morago  
ka pele  
kgauswi le



Lebelela diswantsho  
tša mohlare.  
Khalara karolo ya  
godimo ya mohlare.



117

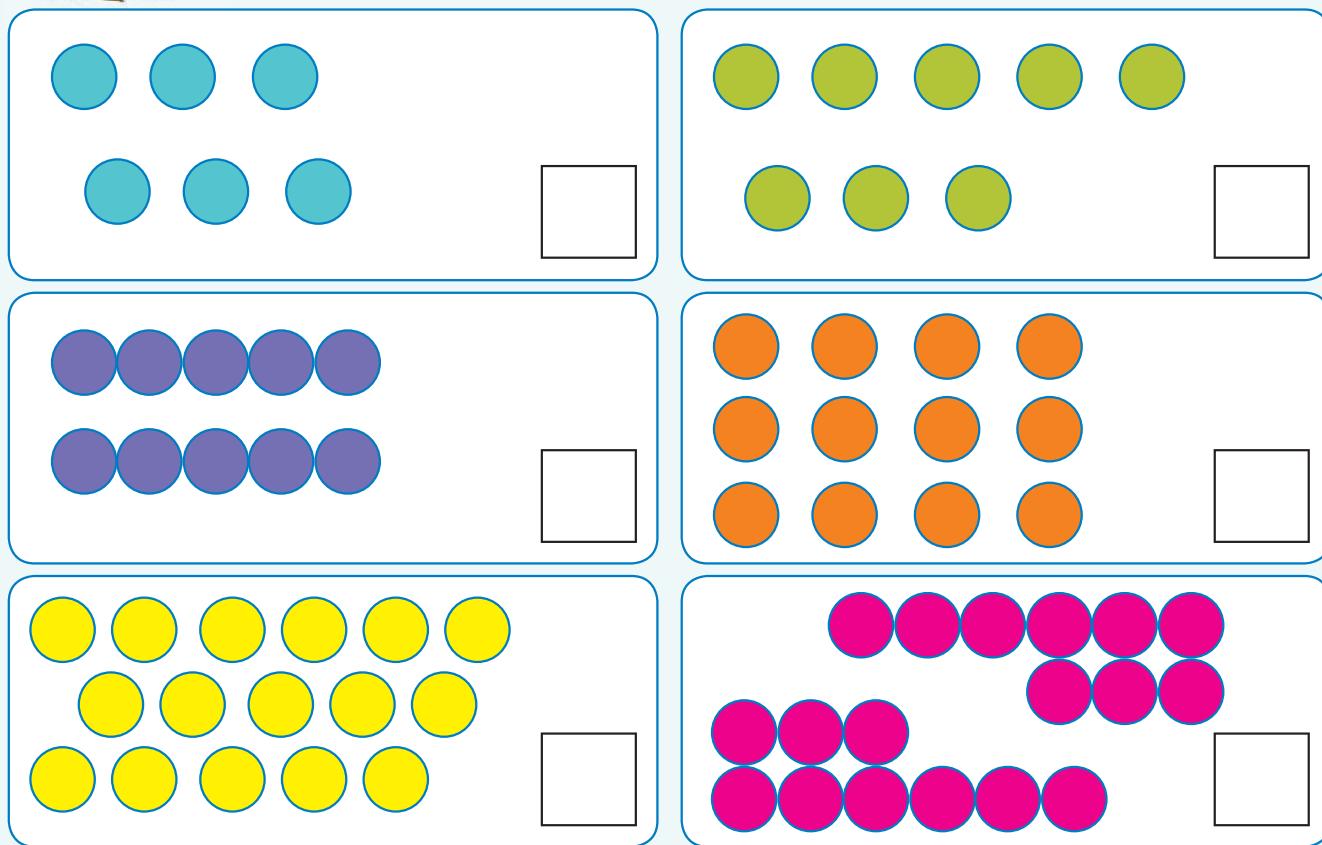


## Dihlopha tša di - 2 go fihla go 20

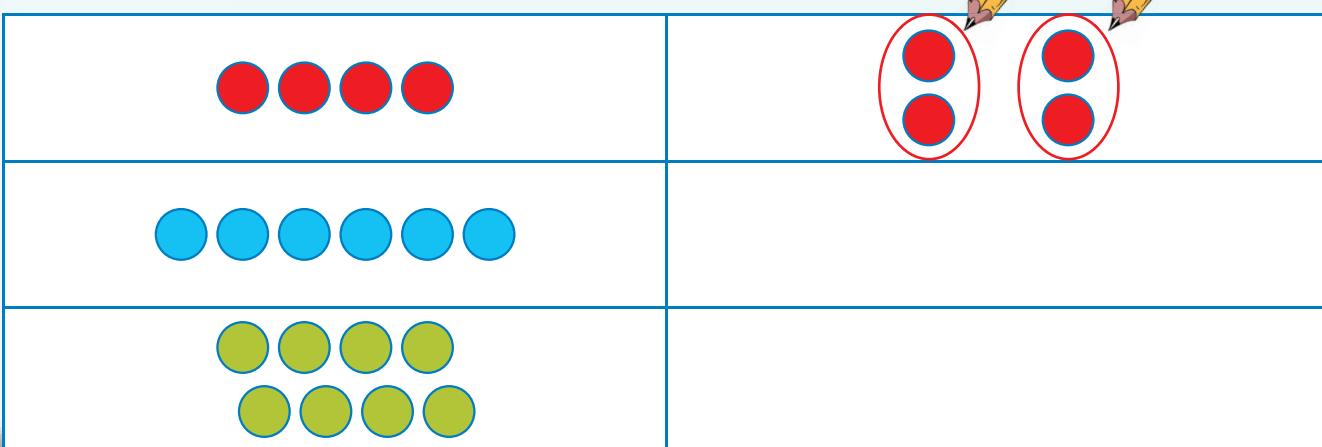
Kotara ya 4

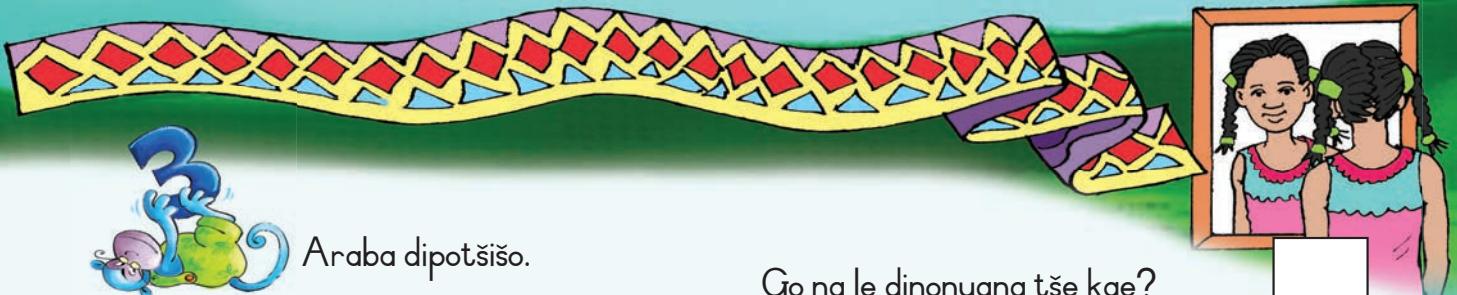


Dira dihlopha tša di - 2. Ngwala gore go na le dihlopha tše kae.

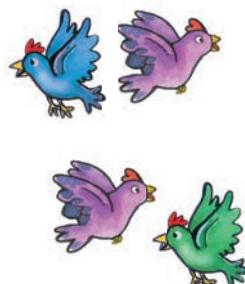


Dira dihlopha tša di - 2. Thala di - 2. Thala dihlopha.





Araba dipotšišo.



Go na le dinonyana tše kae?

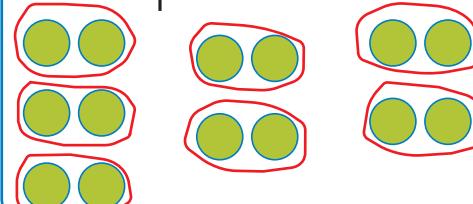
O ka kgonna go dira dihlopha tše kae  
tše di -2?

Ngwala lefokopalo.



Thala didiko  
go dira tše di  
latelago.

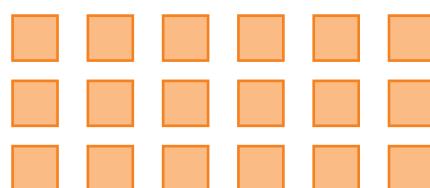
Dihlopha tše 7 tše di -2



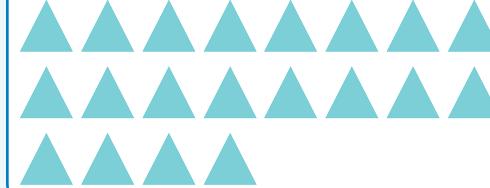
Dihlopha tše 8 tše di -2



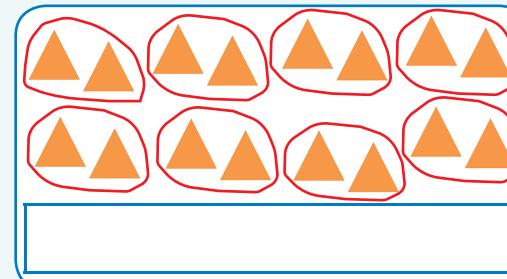
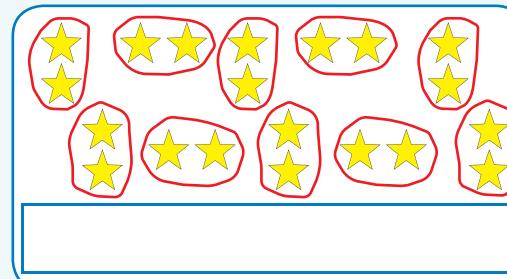
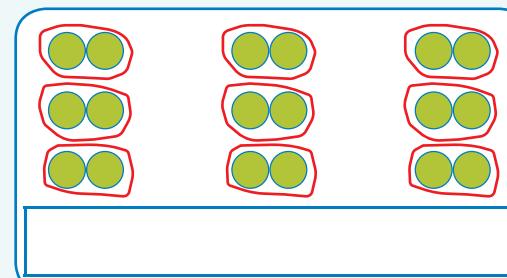
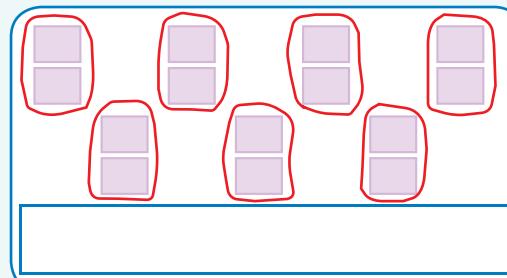
Dihlopha tše 9 tše di -2



Dihlopha tše 10 tše di -2

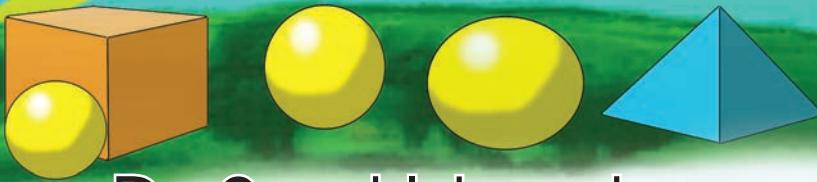


Ngwala  
lefokopalo la tše  
di latelago.



Teacher:  
Sign:  
Date:

18



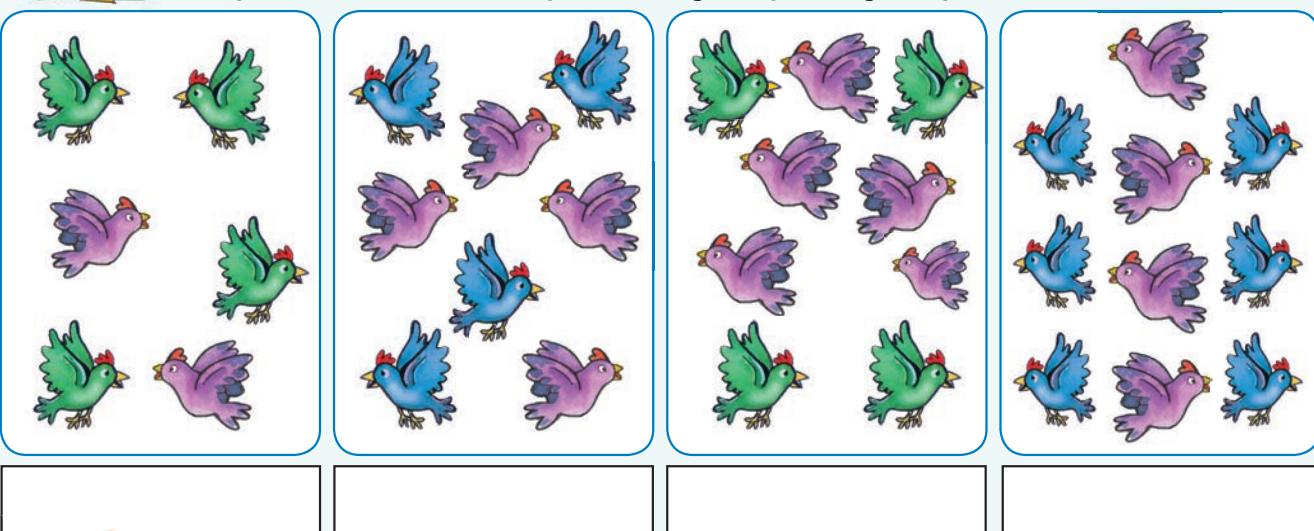
## Di-2, go hlakantšha mo go bušeletšwago go fihla go 20

Kotara ya 4



Go na le maoto a makae karateng ye nngwe le ye nngwe?

Ngwala karabo ka tlase ga karata ye nngwe le ye nngwe.



Thala dibopego tša tše di latelago:

$$2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$$



$$2 + 2 + 2 + 2 + 2 + 2 + 2 = \boxed{ }$$

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = \boxed{ }$$

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = \boxed{ }$$



108

0

1

2

3

4

5

6

7

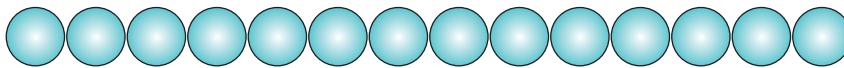
8

9

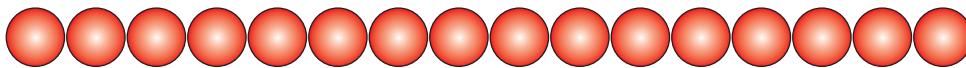
10

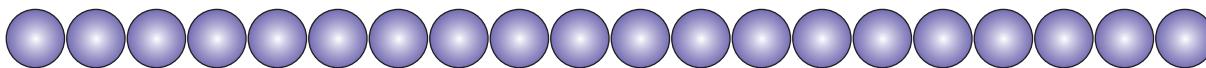


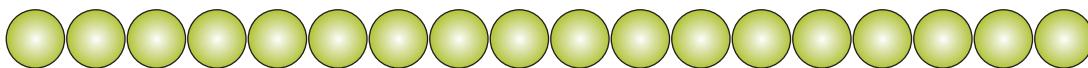
Ngwala lefokopalo la tše di latelago:



$$2 + 2 + 2 + 2 + 2 + 2 + 2 = \boxed{\phantom{0}}$$









Khalara  
dikatisanetšwa  
tša pedi.

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



Ke na le sephuthana sa malekere a 2 ka go se sengwe le se sengwe.

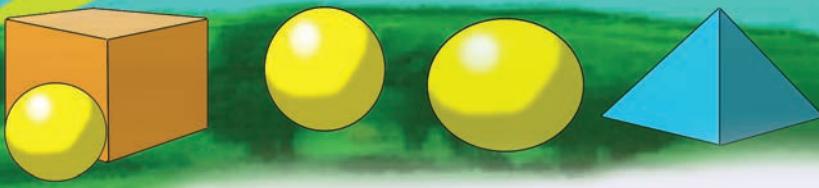
Ke na le malekere a makae? Thala seswantšho gomme o ngwale lefokopalo.



Ke na le malekere a .



19



Kotara ya 4

## Dipatrone tša dinomoro – di-2 go fihla go 100



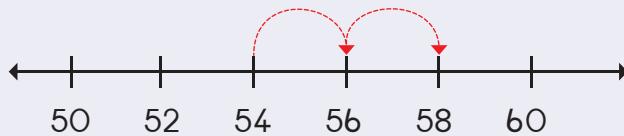
Feleletša patrone  
ka go khalara  
dinomoro.



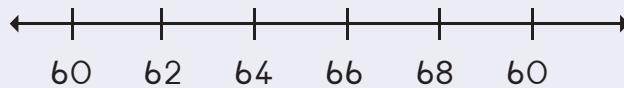
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Thala dihulahupu go laetša tše di latelago:

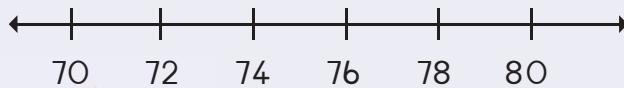
54, 56, 58



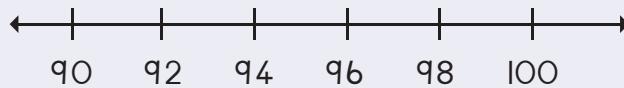
64, 66, 68



74, 76, 78



94, 96, 98

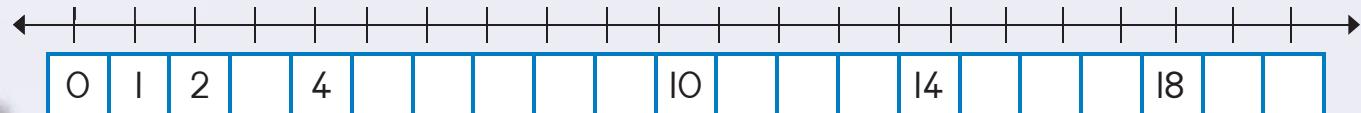


Ngwala dinomoro tše di tlogetšwego. Khalara patrone: 2, 4 ...

I			3				7			10
II							17			20



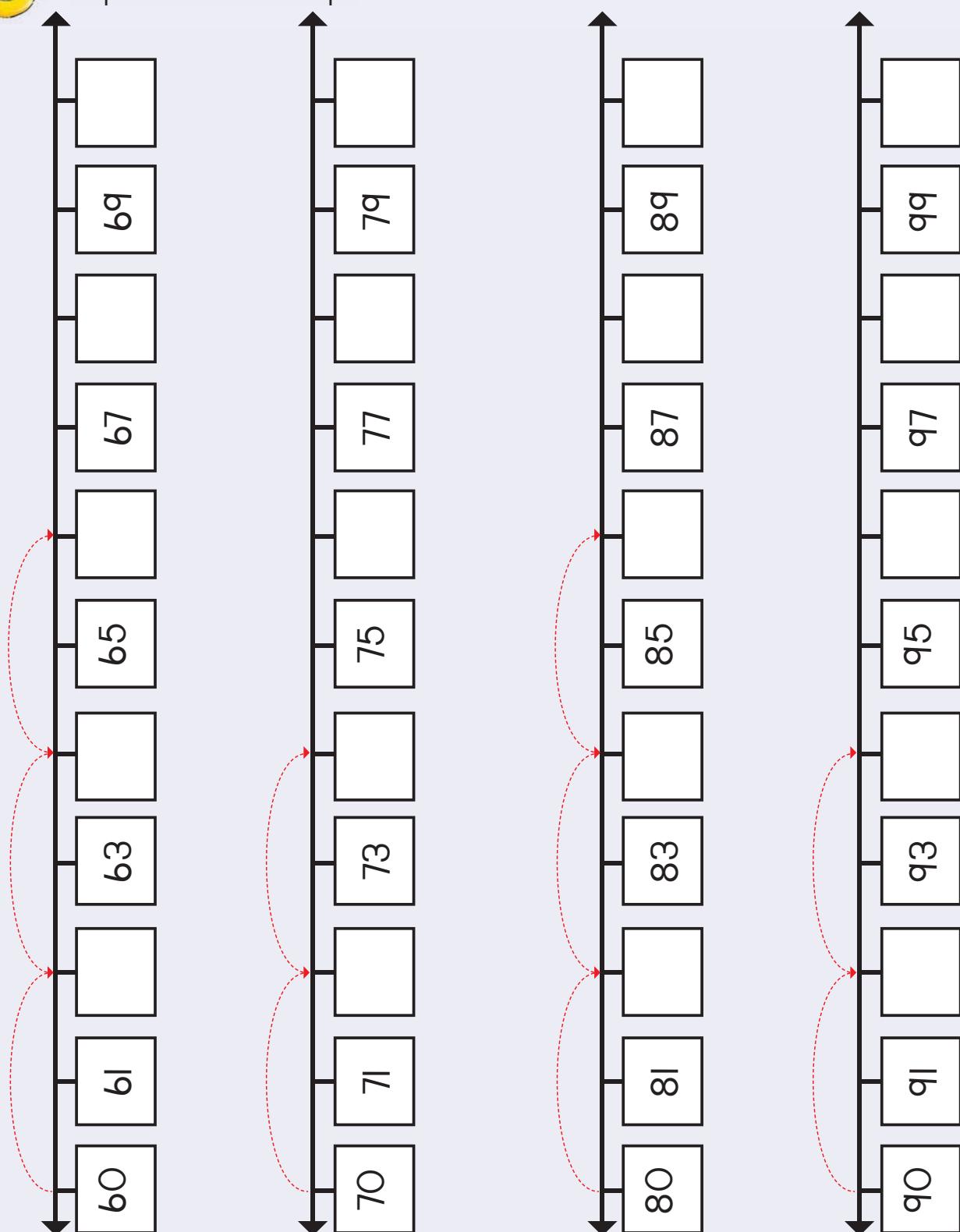
Feleletša mothalopalo.



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



Sega dinomoro go tšwa go Sesegwa sa 2 gomme o di bee  
godimo ga methalopalo moo dinomoro di tlogetšwego.  
Gape feleletša dihulahupu.



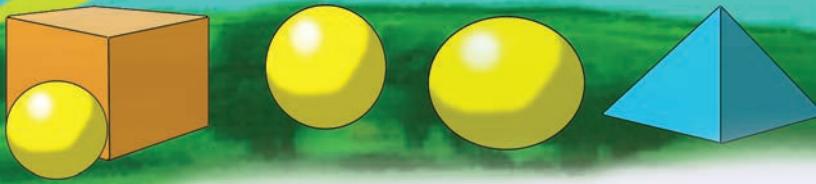
11 12 13 14 15 16 17 18 19 20



Teacher: Sign:
Date:



120

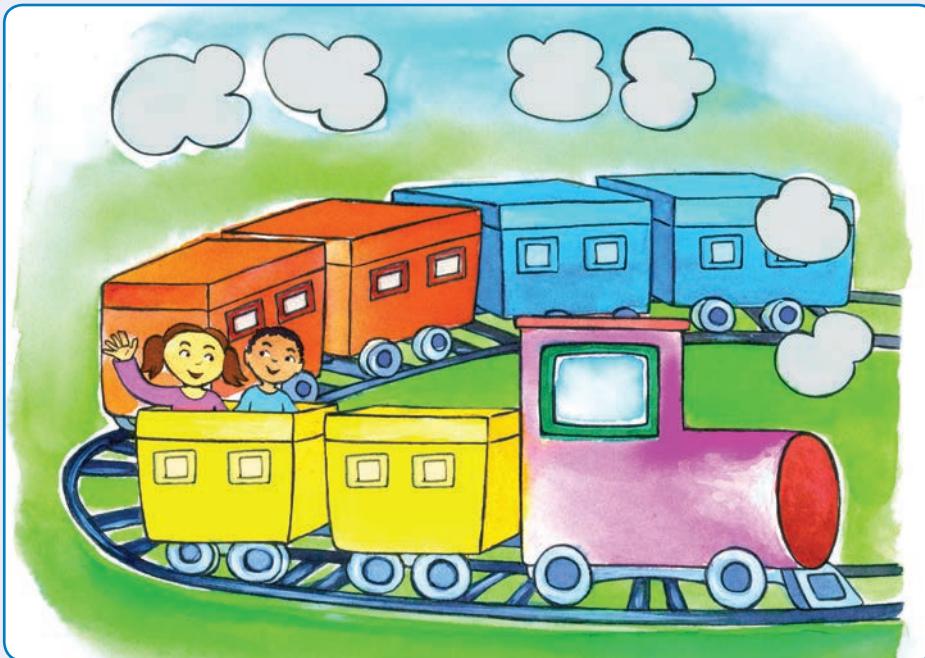


## Dipatrone tša dinomoro – di-2 go fihla go 100

Kotara ya 4



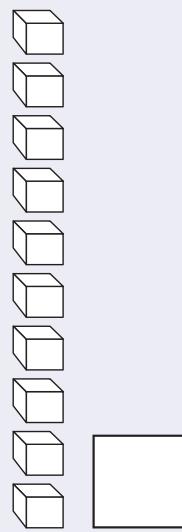
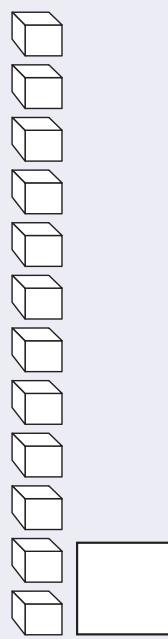
Na o kgora go bona dipatrone tša di-2?



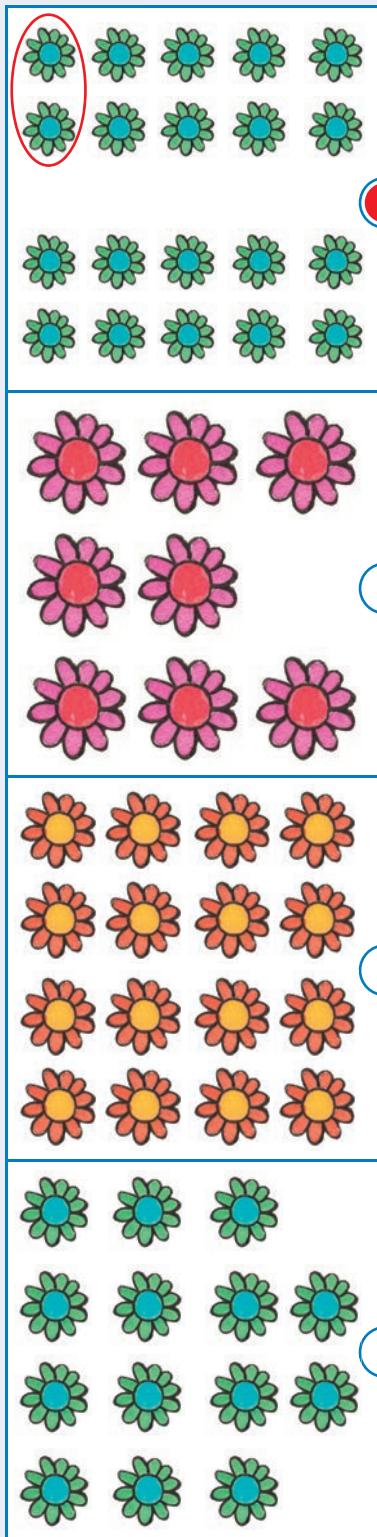
Khalara dipoloko go laetša dihlopha tša di-2.  
Bala gore go na le dihlopha tše kae.



4



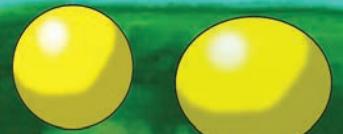
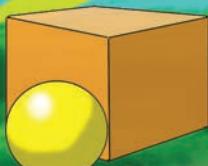
0 1 2 3 4 5 6 7 8 9 10



<input type="radio"/>	$2 + 2 + 2 + 2 = 8$
<input type="radio"/>	$2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$
<input type="radio"/>	$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20$
<input type="radio"/>	$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$



I2I

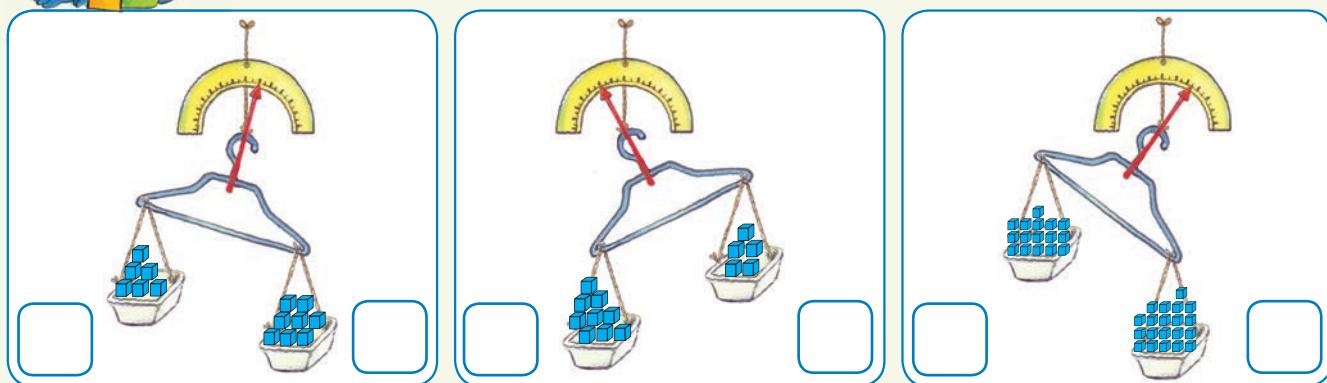


Kotara ya 4

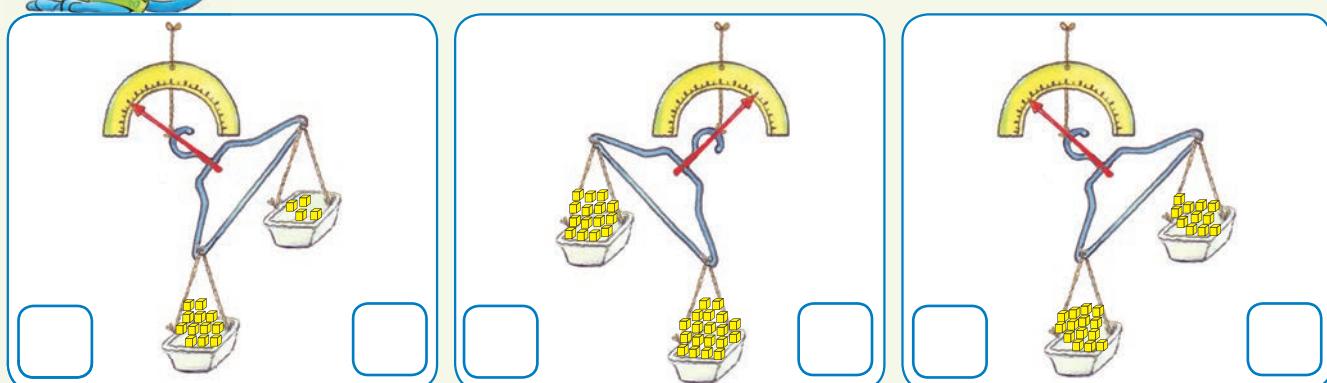
## Boima



Ngwala gore go na le dipoloko tše kae ka go setshelo se sengwe le se sengwe.  
Dira sediko go setshelo seo se lego boima kudu.

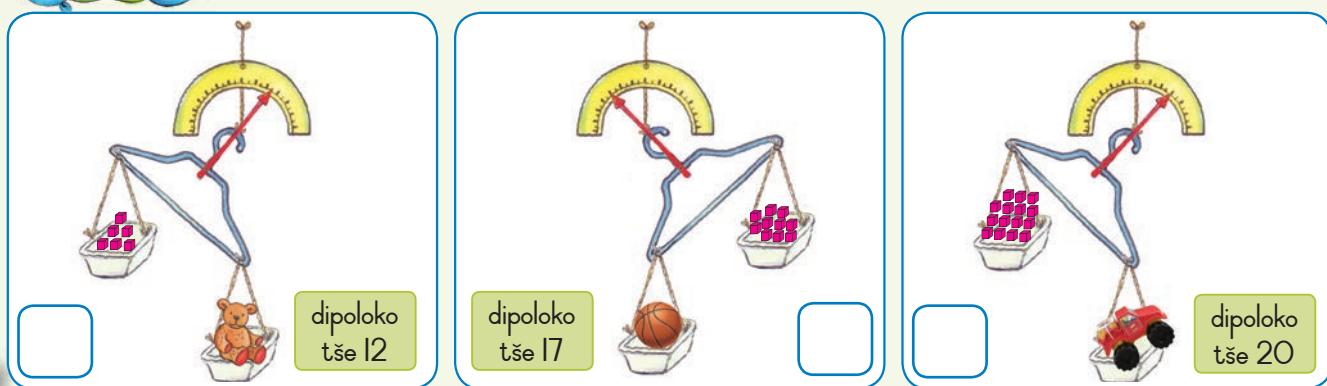


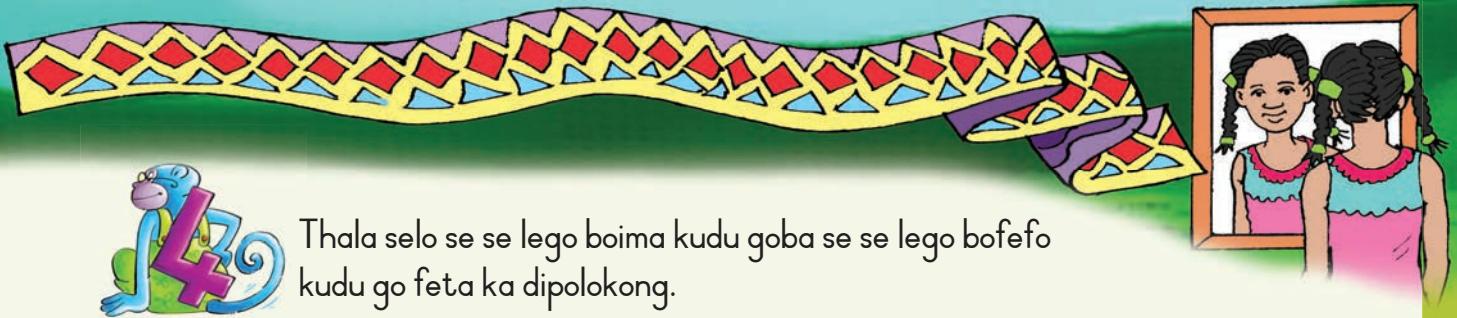
Ngwala gore go na le dipoloko tše kae ka go setshelo se sengwe le se sengwe.  
Dira sediko go setshelo seo se lego bofeso kudu.



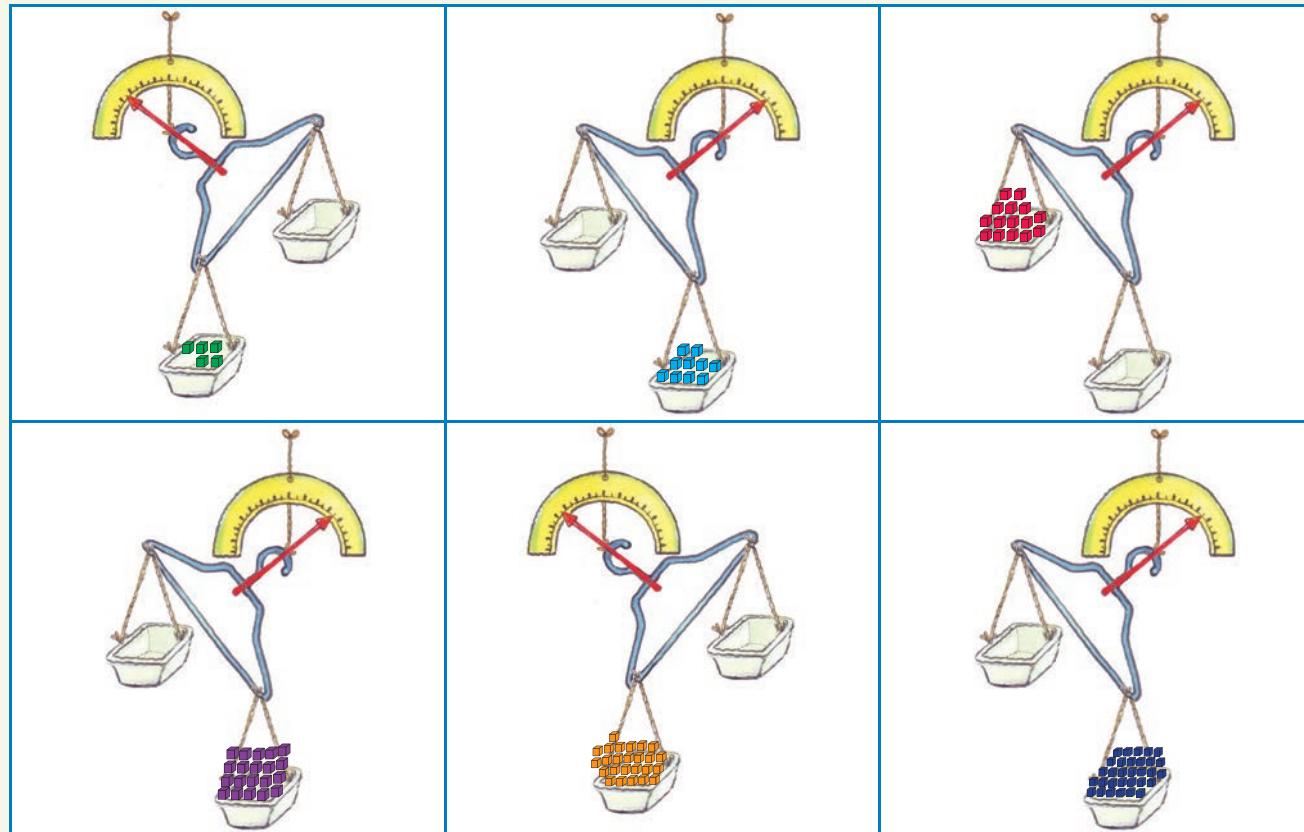
Bala gore go na le dipoloko tše kae.

Ka morago ngwala gore go tlo nyakega dipoloko tše tlaleletšo tše kae.





Thala selo se se lego boima kudu goba se se lego bofeso  
kudu go feta ka dipolokong.

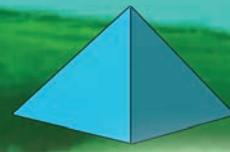
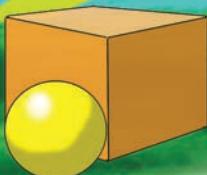


 Šomiša dilo tše 5 tše di lego godimo ga teske ya gago. Sa mathomo akanya gore se kala bokae ka morago o se kale mo sekaleng go bona ge eba kakanyo ya gago e be e nepagetše.

Thala selo	Akanya	Boima	Phapano
	dipoloko tše ___	dipoloko tše ___	___ - ___ = ___



122



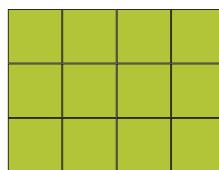
## Pedifatša

Kotara ya 4

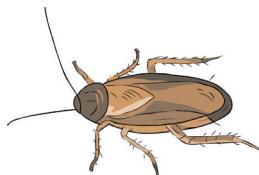


Araba tše di latelago:

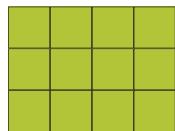
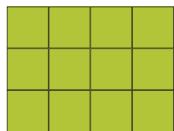
Go na le dikwere tše kae?




Go na le maoto a makae?




Bjale go na le tše kae?

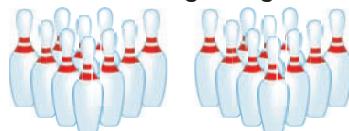

  

Re re 12 gabedi ke 24.

Go na le mehwidinyane ye mekae?




Bjale, go na le mehwidinyane ye mekae?

Re re 10 gabedi ke

Go na le matšatši a makae mo bekeng?

Lam	Moš	Lbb	Lbr	Lbn	Lbh	Mok

Go na le matšatši a makae mo dibekeng tše pedi?

Lam	Moš	Lbb	Lbr	Lbn	Lbh	Mok

Re re 7 gabedi ke

Go na le dikrayone tše kae?




Bjale, go na le dikrayone tše kae?

Re re 8 gabedi ke



116

0

1

2

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4

5

6

7

8

9

10



Ngwala karabo.

4 gabedi ke	=	8 
10 gabedi ke	=	
11 gabedi ke	=	
2 gabedi ke	=	
6 gabedi ke	=	



Ngwala karabo.

pedi gabedi ke	
tharo gabedi ke	
nne gabedi ke	
hlano gabedi ke	
tshela gabedi ke	
šupa gabedi ke	

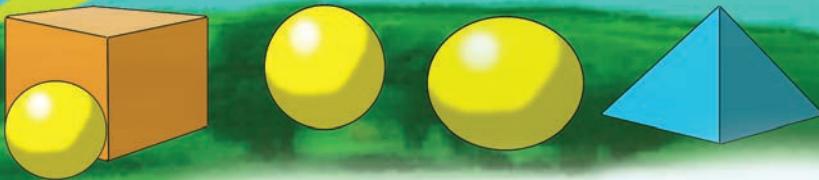


Feleletša lenaneo.

$9 + 9 + 1 =$	<input type="text"/>	goba	$9 \text{ gabedi} + 1 =$	<input type="text"/>
	<input type="text"/>	goba	$8 \text{ gabedi} + 1 =$	<input type="text"/>
$10 + 10 + 1 =$	<input type="text"/>	goba		<input type="text"/>
$7 + 7 + 1 =$	<input type="text"/>	goba	$7 \text{ gabedi} + 1 =$	<input type="text"/>



123



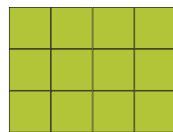
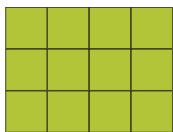
## Go ripa gare

Kotara ya 4

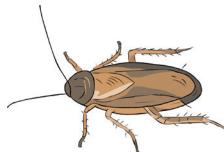
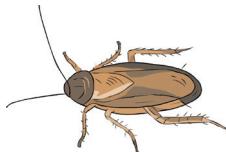


Araba tše di latelago:

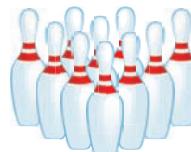
Go na le dikwere tše kae?



Go na le maoto a makae?



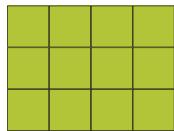
Go na le mehwidinyane ye mekae?



Go na le matšatši a makae mo dibekeng tše 2?

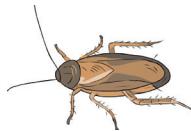
Lam	Moš	Lbb	Lbr	Lbn	Lbh	Mok	Lam	Moš	Lbb	Lbr	Lbn	Lbh	Mok

Bjale go na le tše kae?



Re re seripagare sa 24 ke 12.

Bjale go na le maoto a makae?



Re re seripagare sa 12 ke

Go na le mehwidinyane ye mekae?



Bjale go na le mehwidinyane ye mekae?

Re re seripagare sa 20 ke

Go na le matšatši a makae mo dibekeng tše 2?

Go na le matšatši a makae mo bekeng e tee?

Lam	Moš	Lbb	Lbr	Lbn	Lbh	Mok

Re re seripagare sa 14 ke 12.

Go na le dikrayone tše kae?

Bjale go na le dikrayone tše kae?



Re re seripagare sa 16 ke



118

0

1

2

3

4

5

6

7

8

9

10



Ngwala karabo.

Seripagare sa 8 ke	=	4
Seripagare sa 10 ke	=	
Seripagare sa 6 ke	=	
Seripagare sa 12 ke	=	
Seripagare sa 14 ke	=	



Ngwala karabo.

Seripagare sa nne ke	pedi
Seripagare sa tshela ke	
Seripagare sa pedi ke	
Seripagare sa seswai ke	
Seripagare sa lesome ke	

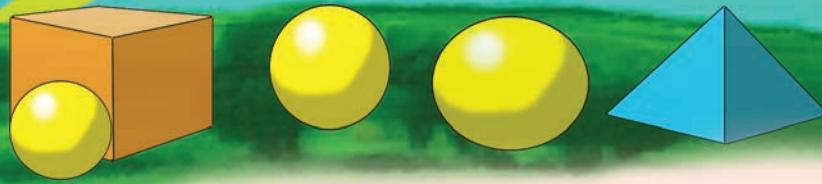


Ngwala karabo.

Seripagare sa 10 ke	5
Seripagare sa 12 ke	
Seripagare sa 14 ke	
Seripagare sa 16 ke	
Seripagare sa 18 ke	



I24

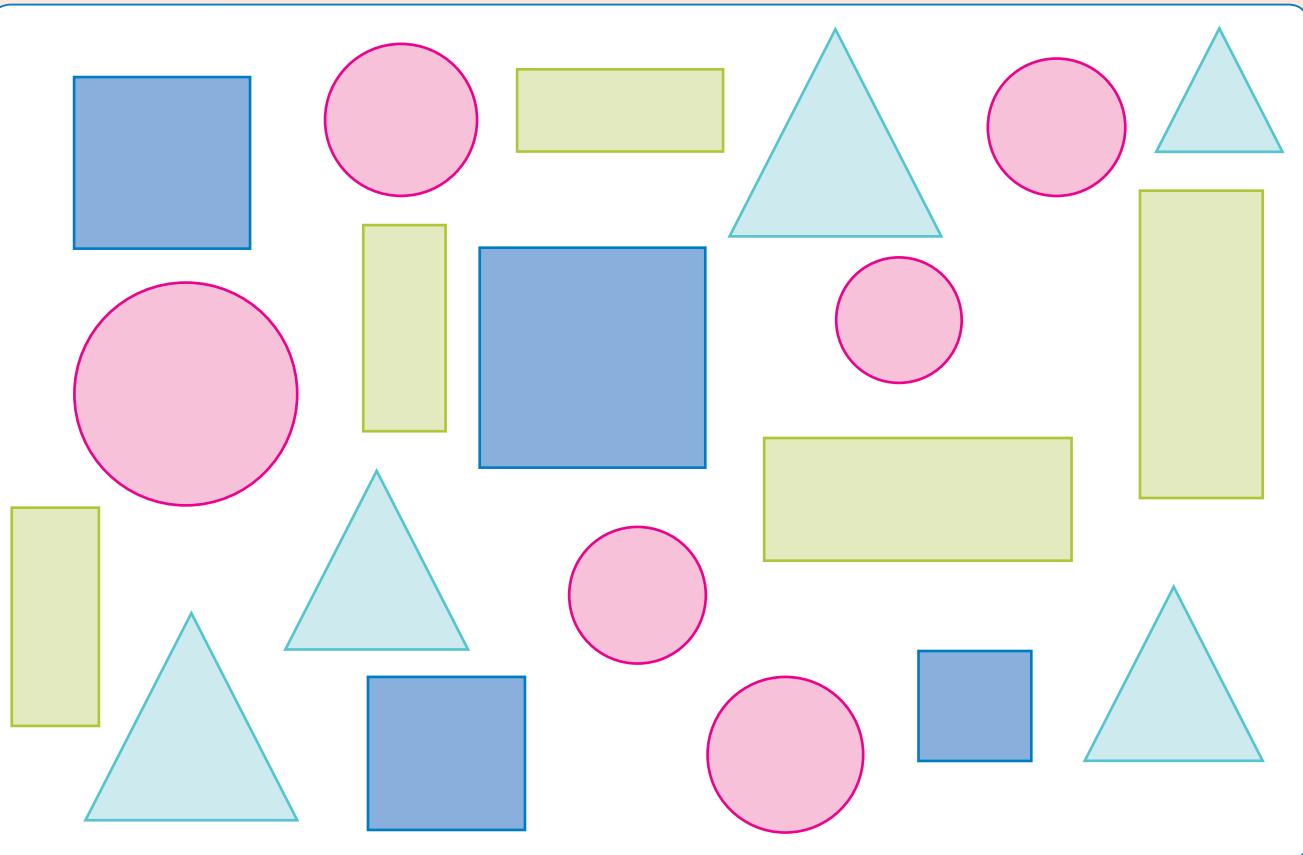


## Difiwa

Kotara ya 4



Bala gore go na le dibopego tša go fapanatše kae, ka morago o arabe dipotšiso.

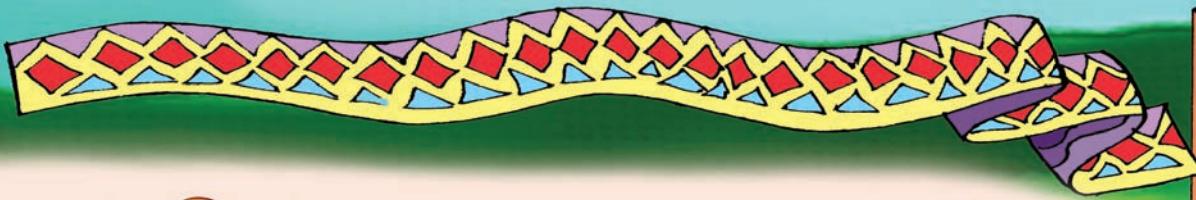


1. Go na le dikwere tše kae  ?

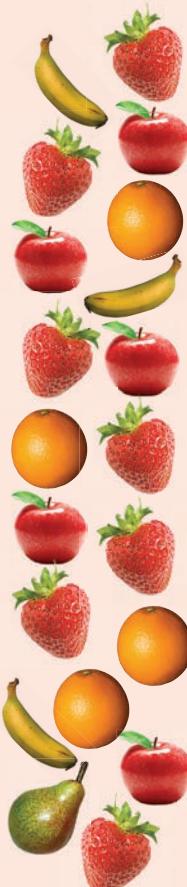
2. Go na le dikhutloharo tše kae  ?

3. Go na le dikhutlonnethwi tše kae  ?

4. Go na le didiko tše kae  ?



Dienywa tše di kgethilwe ke bagwera ba gago ba 20.  
Hlopha dienywa gomme o dire sethalwa sa dienywa tše o di  
hlophilego godimo ga kerafo ya diswantsho ka morago o arabe  
dipotšišo tše di latelago.



Seenywa sa rena sa mmamoratwa ke sefe?

Senotlelo =

Seteroberi	Apolo	Pšhere	Panana	Namune

Ke bana ba bakae bao ba ratago diseteroberi?

Ke bana ba bakae bao ba ratago diapola?

Ke bana ba bakae bao ba ratago dipšhere?

Ke bana ba bakae bao ba ratago dippanana?

Ke bana ba bakae bao ba ratago dinamune?

Ke seenywa sefe seo bana ba se ratago go feta?

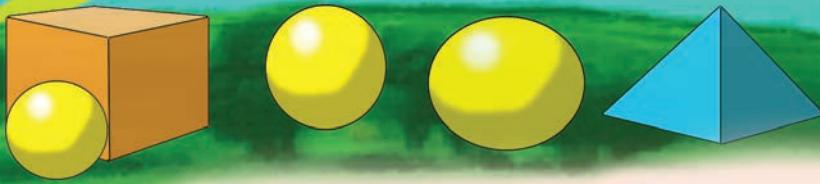
Ke seenywa sefe seo bana ba sa se ratego go feta?



Teacher:  
Sign:  
Date:



125



## Difiwa gape

Kotara ya 4

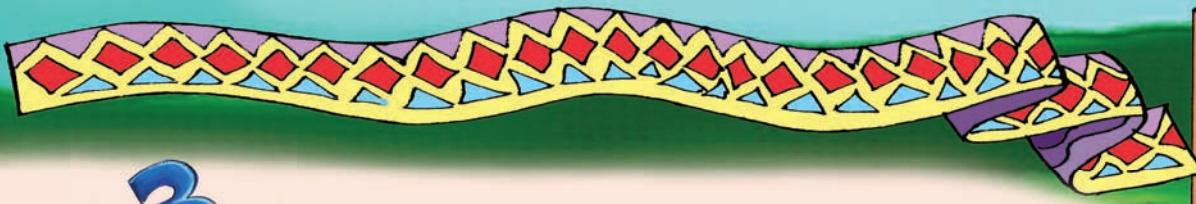


Bana ka phapošingborutelo ba na le dibapadišwa tše di latelago.  
Ba na le mehuta ye mekae ya mohuta wo mongwe le wo mongwe?



Feleletša lenaneo le.

Sebapadišwa	Nomoro
Dipopo	
Ditraka	
Dithedibere	
Diroboto	

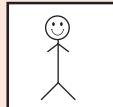


Feleletša kerafo ya diswantšho ka go thala palo ya maleba ya diswantšho tša mothophatana go mohuta wo mongwe le wo mongwe wa sebapadišwa.



Dibapadišwa tše re nago le tšona

Senotlelo =



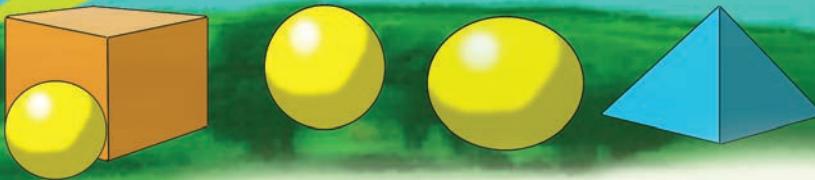
Dipopo	Ditraka	Dithedibere	Diroboto



Araba dipotšišo. Lebelela kerafo ya diswantšho gore e go thuše.

Ke bana ba bakae bao ba nago le popo?	
Ke bana ba bakae bao ba nago le traka?	
Ke bana ba bakae bao ba nago le thedibere?	
Ke bana ba bakae bao ba nago le roboto?	
Ke sebapadišwa sefe seo se ratwago go feta?	
Ke sebapadišwa sefe seo se ratwago gannyane go feta?	



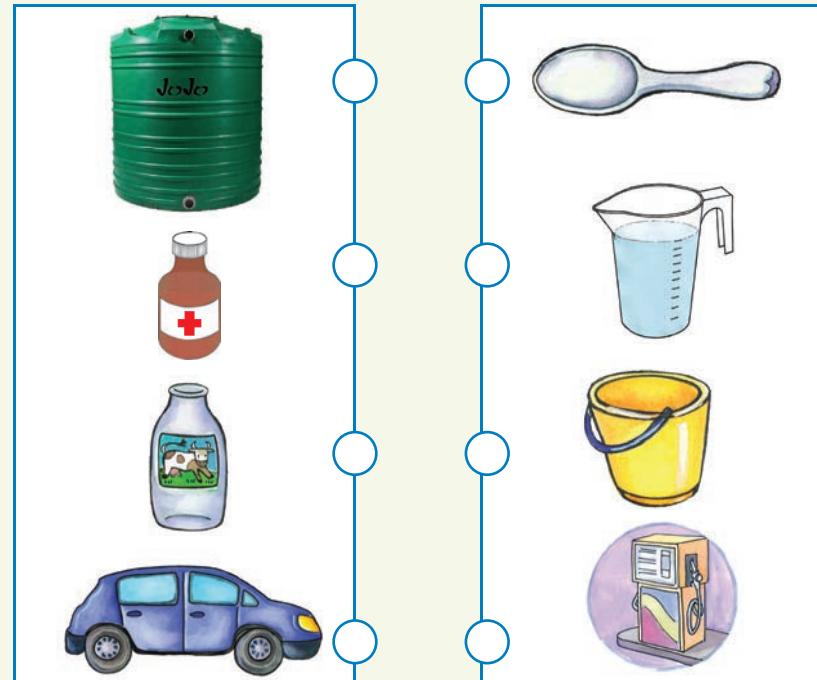


## Boteng

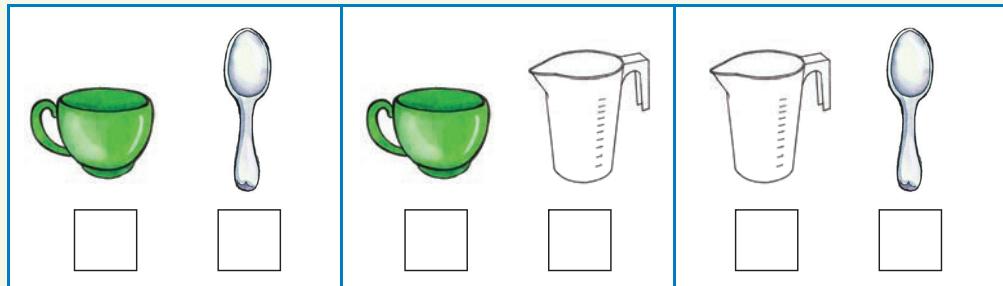
Kotara ya 4



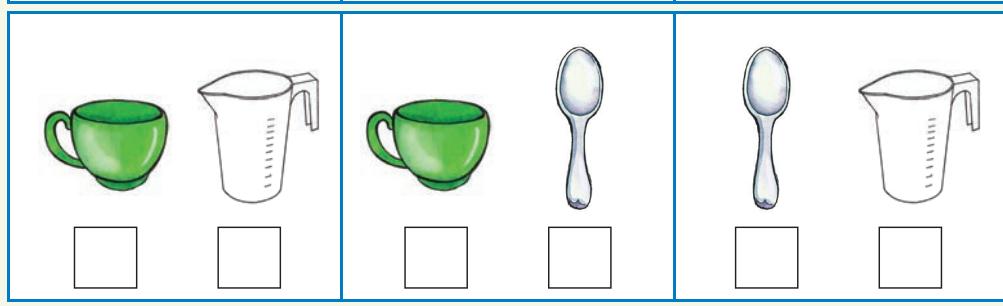
Na re meta bjang diela? Thala mothala go nyalya selo le sedirišwa seo se dirišwago ge se elwa.



Swaya setšhelo seo se tla swarago se sennyane go feta.

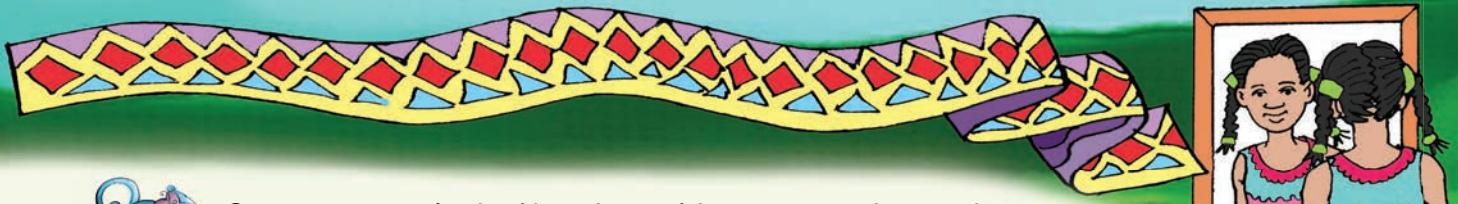


Swaya setšhelo seo se tla swarago se sentši go feta.

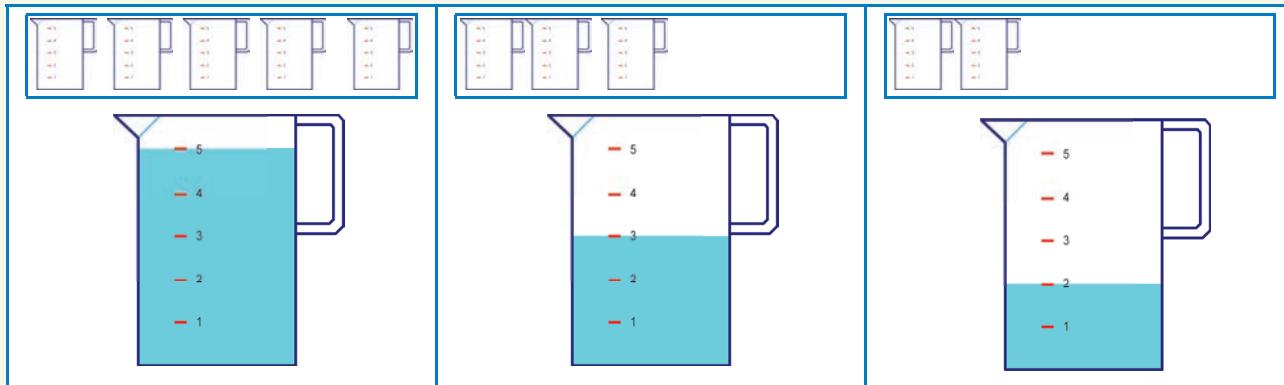


Na ditšhelo di tletše goba ga di na selo?

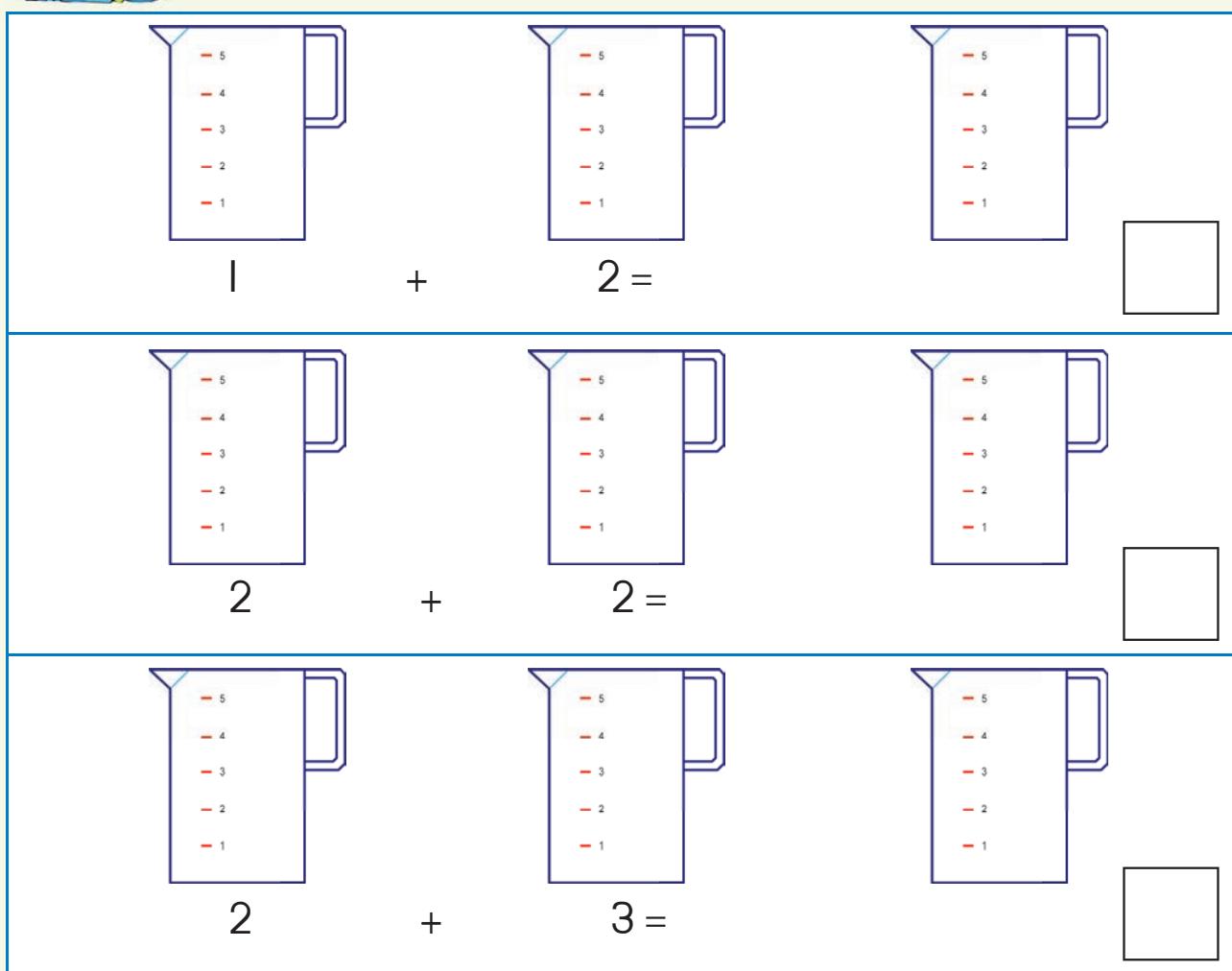




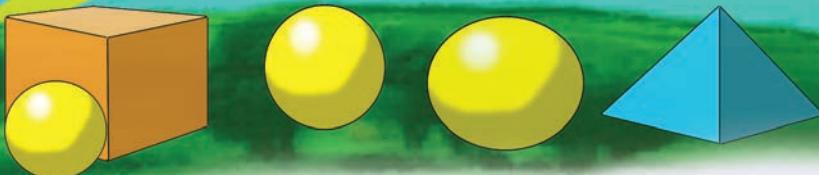
O swanetše go ba le dikomiki tše hlano gore o tlatše jeke.  
O swanetše go ba le dikomiki tše kae gape gore o tlatše dijeke tše pedi gape?  
E thale.



Khalara bokaalo bja maleba bja seela.



I27

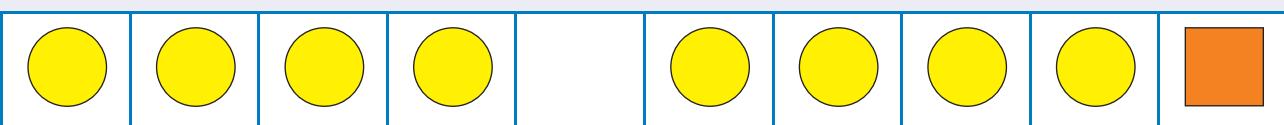
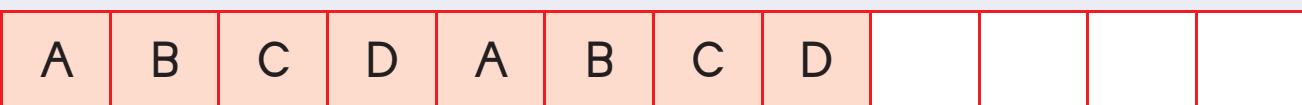
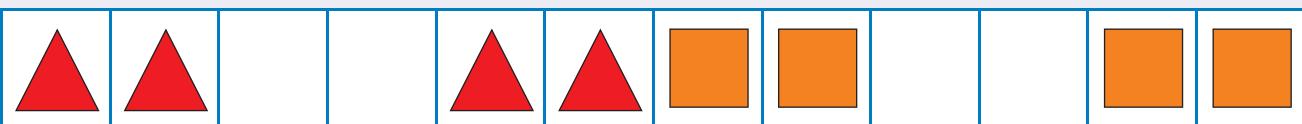
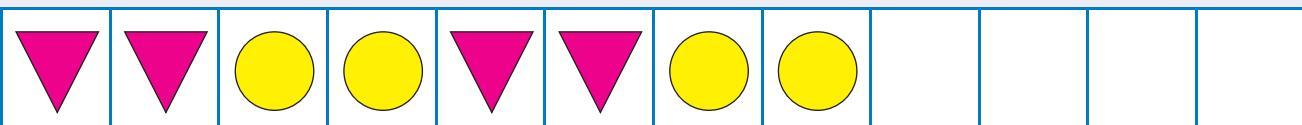
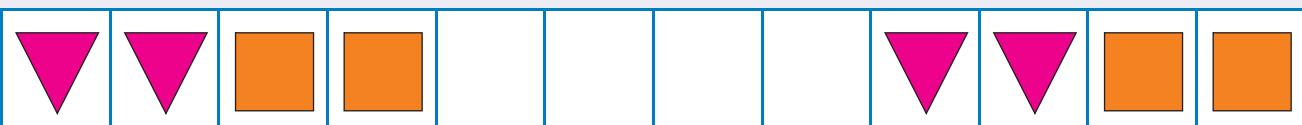
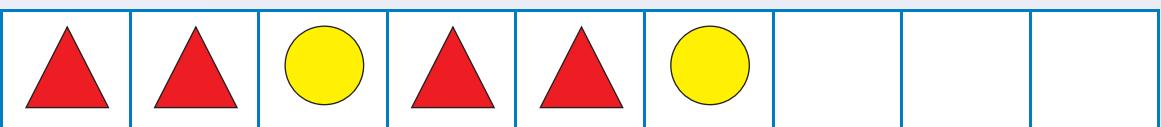


## Dipatrone tša geometri

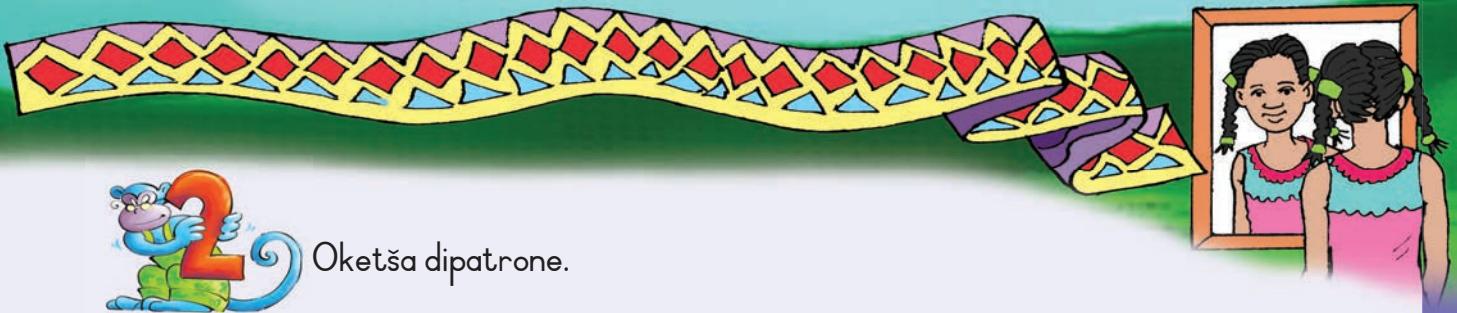


Feleletša dipatrone.

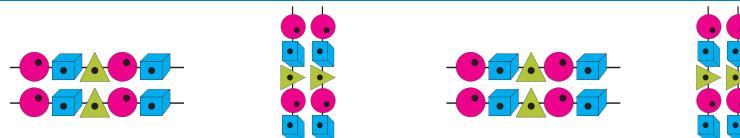
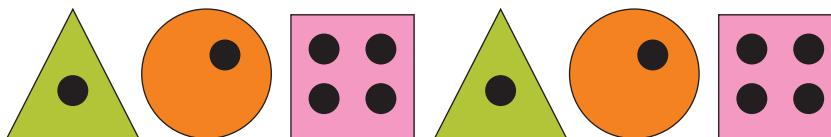
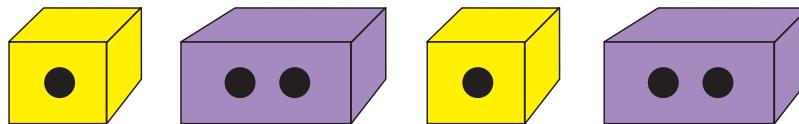
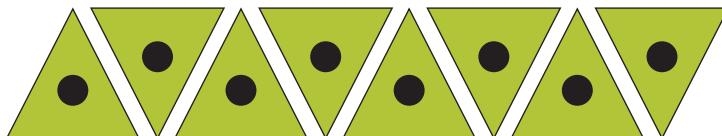
Kotara ya 4



I26



Oketša dipatrone.



Itirele dipatrone tša gago ka go šomiša didiko, dikwere le dikhutloharo.

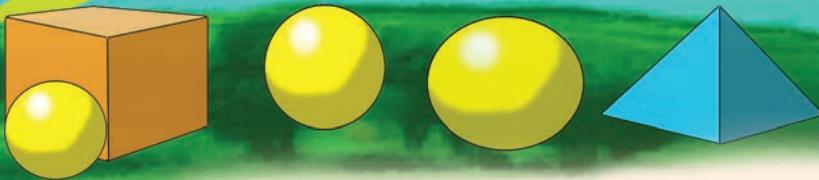





Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



I28

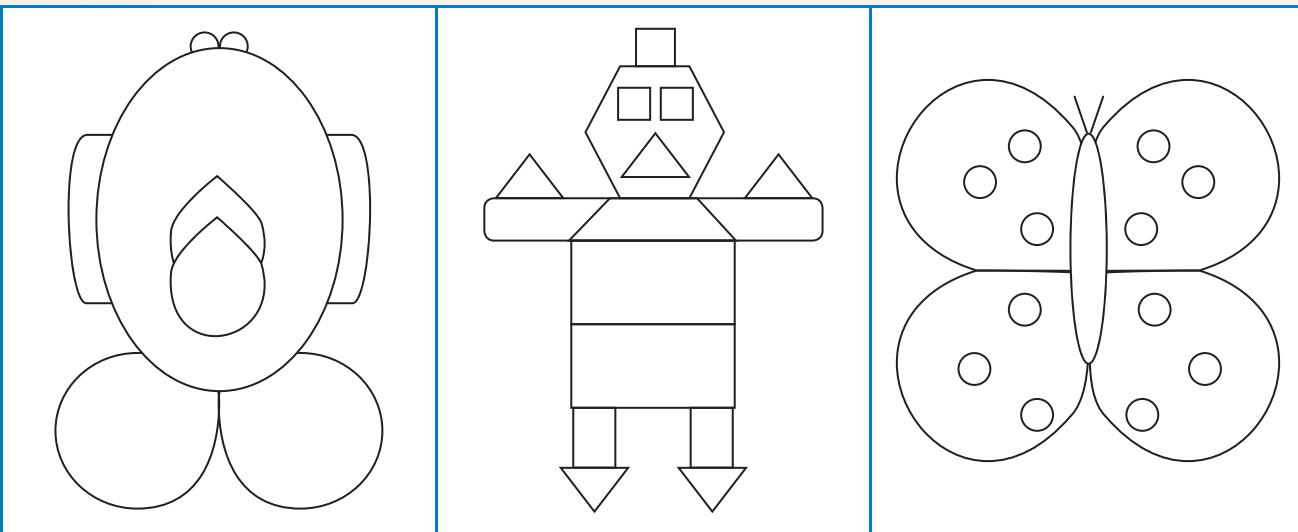


## Go lekana/Go swana

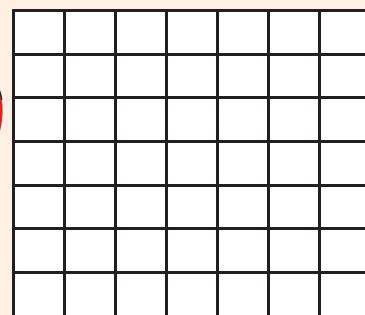
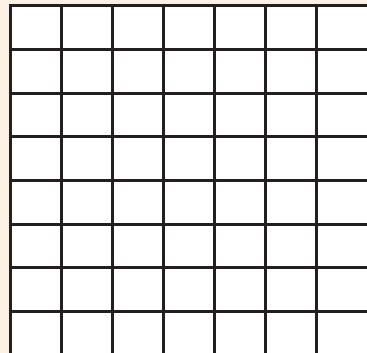
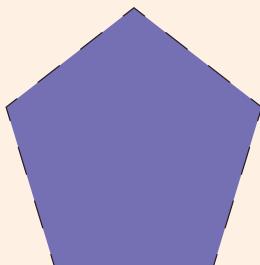
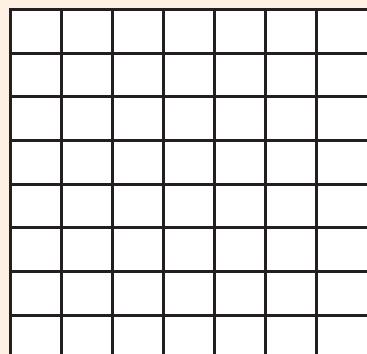
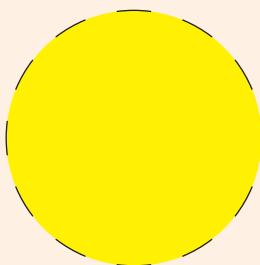
Kotara ya 4

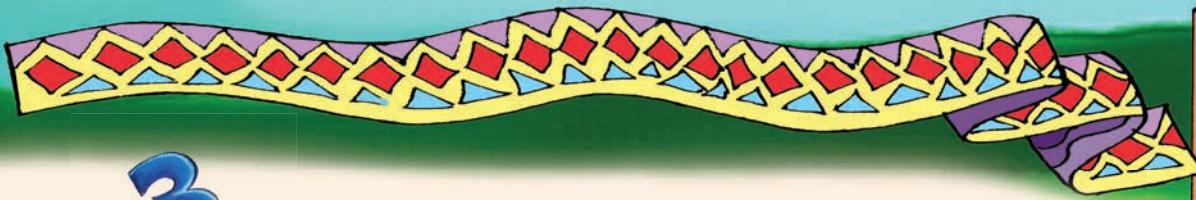


Thala mothalo wa go lekana wa go arola seswantšho ka diripagare tše pedi tša go lekana. Khalara seripagare se tee sa seswantšho se sengwe le se sengwe.

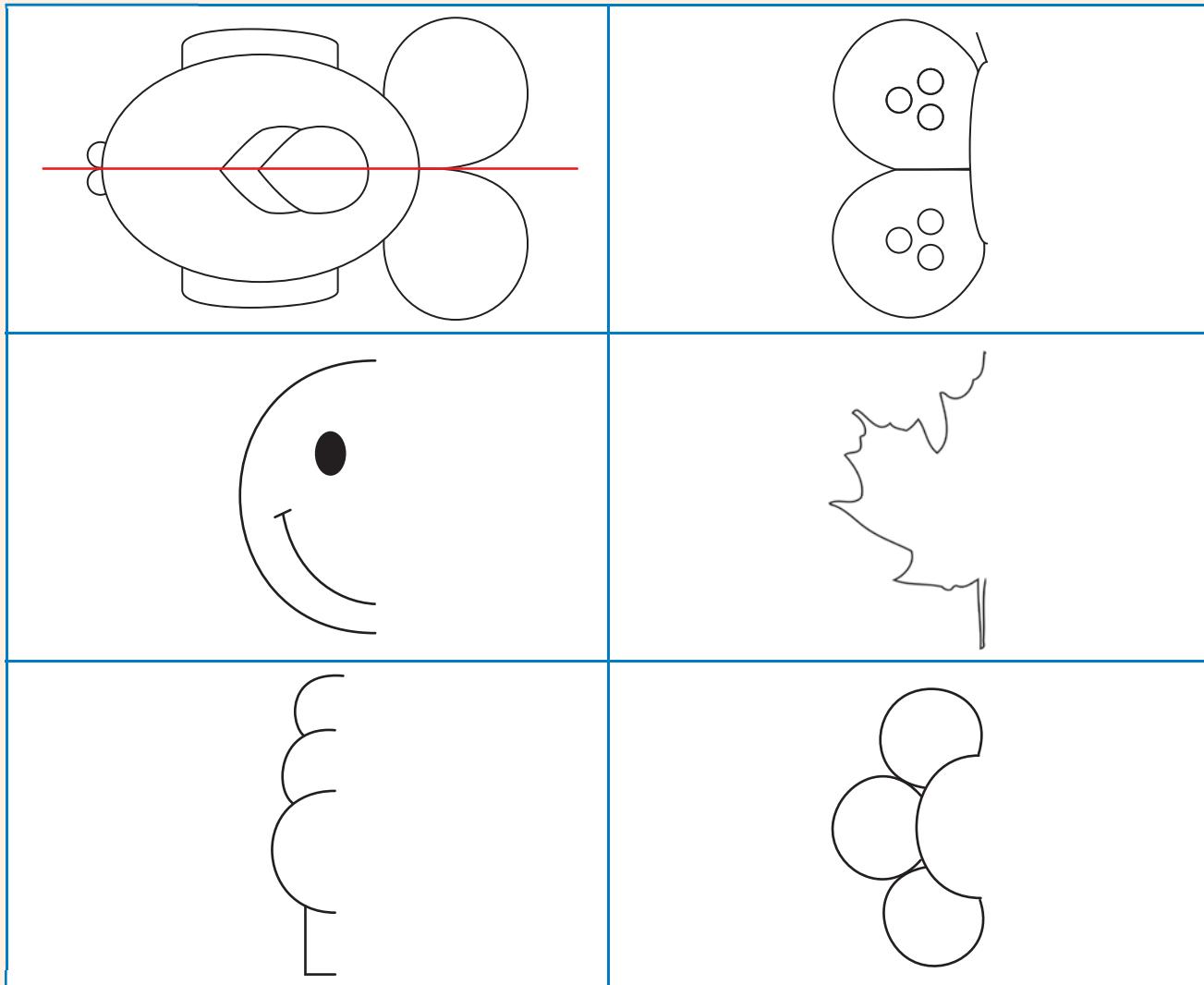


Kopisa dibopego, ka morago o thale mothalo wa go lekana.

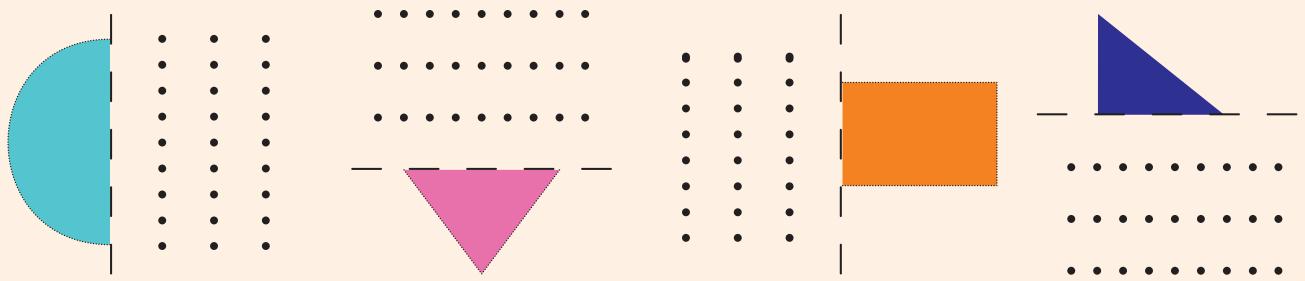




Feleletša seswantšho ka go thala seswantšho sa go swana  
swani le seripagare sela se sengwe.



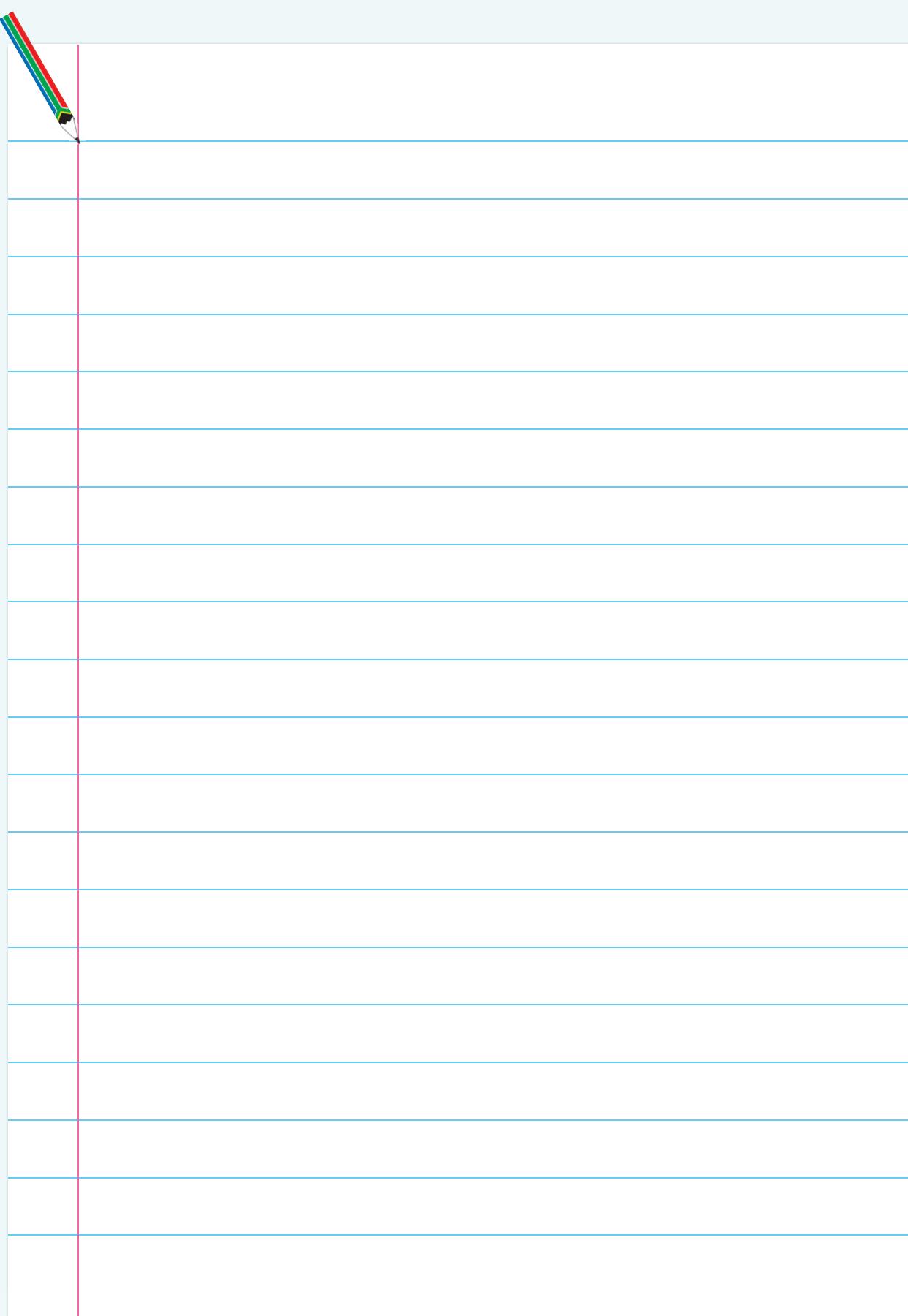
Thala seripagare se sengwe sela sa sebopego.



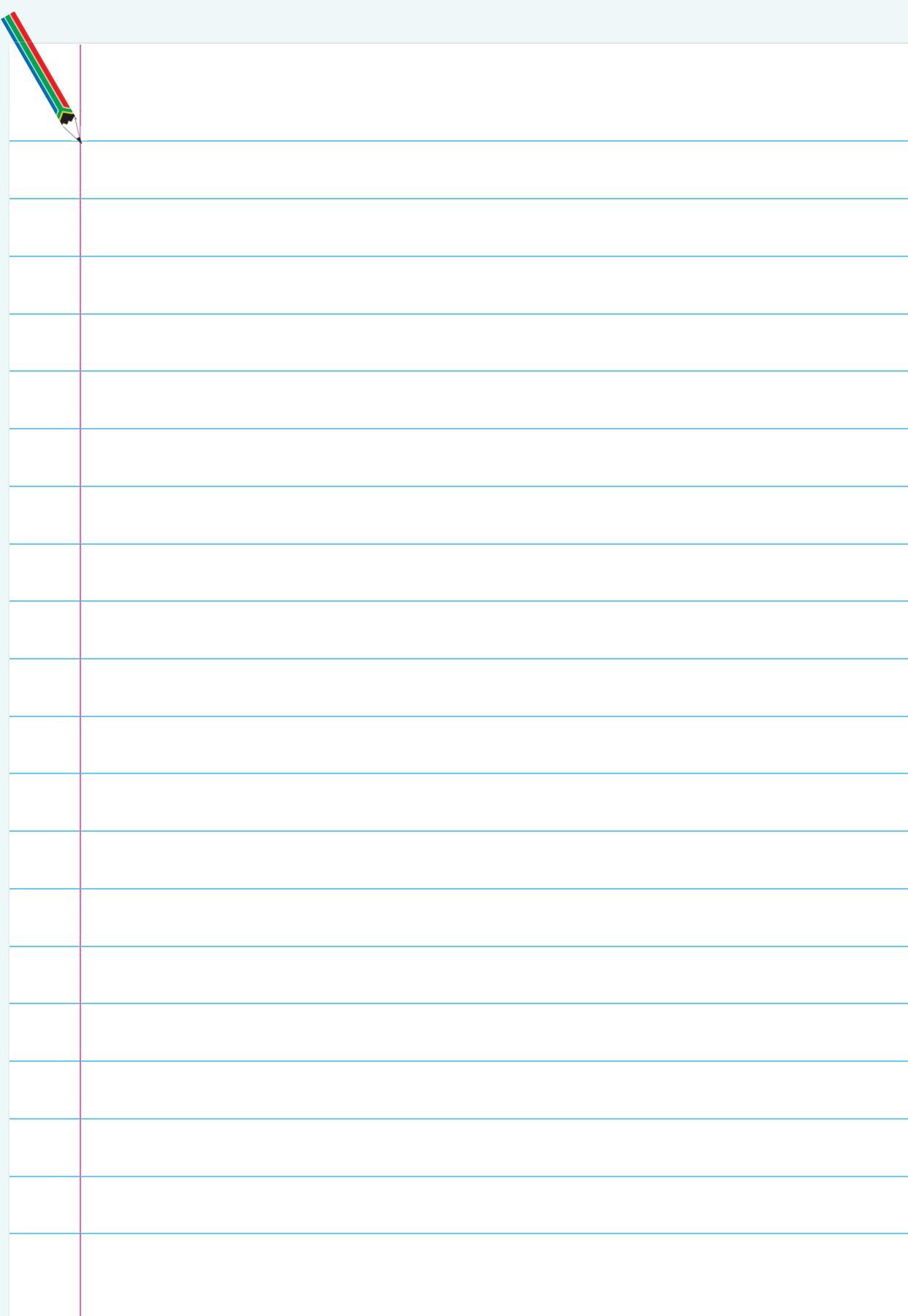
Teacher:  
Sign:  
Date:



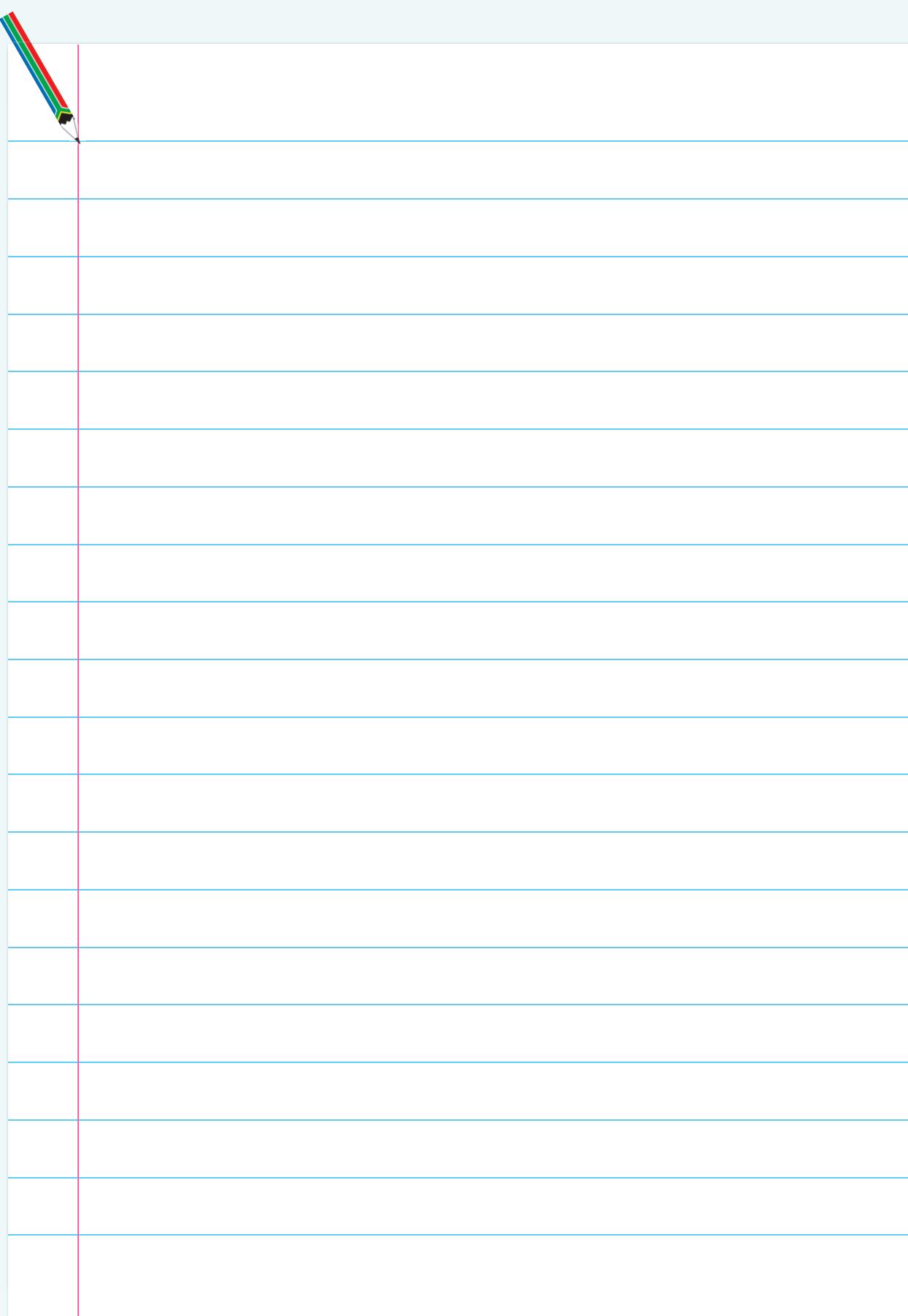
# Dikgakollothuto



# Dikgakollothuto

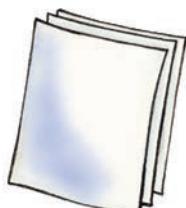
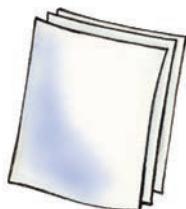
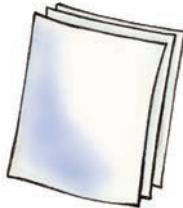
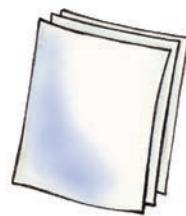


# Dikgakollothuto



## Cut-out 1

Worksheet 79





## Cut out cards 2

### Worksheet 83

45	50	40	40	30	35
-	-	-	-	-	-

### Worksheet 84

70	65	75	80	70	60
-	-	-	-	-	-

### Worksheet 93

34	46	40	44	36	50	32
-	-	-	-	-	-	-
42	48	38				
-	-	-				
62	74	66	68	64	76	80
-	-	-	-	-	-	-
						72
						78

### Worksheet 115

72	78	82	84	86	74	80
-	-	-	-	-	-	-
76	88	90				
-	-	-				

### Worksheet 119

62	72	64	74	86	66	78	80	68
-	-	-	-	-	-	-	-	-
82	94	86	90	84	96	100		
-	-	-	-	-	-	-		
92	98	88						
-	-	-						

