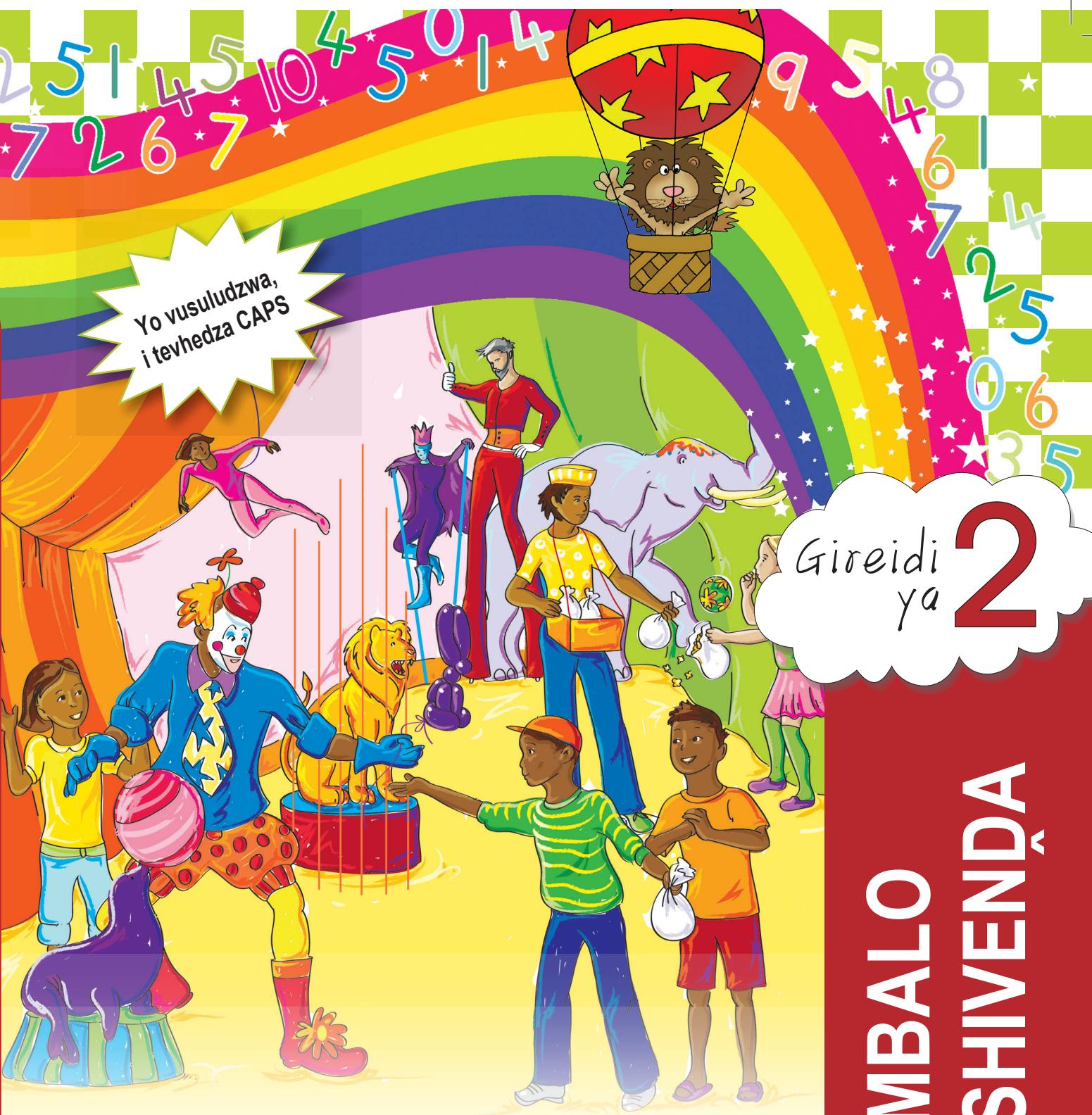


2

DIVHAMBALO NGA TSHIVENDA

Bugu ya 2
Themo 3 & 4



DIVHAMBALO NGA TSHIVENDA – Gireidi ya 2 Bugu ya 2

ISBN 978-1-4315-0145-8



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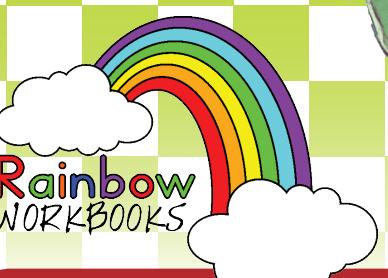
1 2 3 4



MATHEMATICS IN TSHIVENDA
GRADE 2 – BOOK 2
TERMS 3 & 4
ISBN 978-1-4315-0145-8

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Vho Angie Motshekga
Minista wa Muhasho wa Pfunzo ya Muteo



Vho Dr. Reginah Mhaule
Muthusaminista wa Pfunzo ya Muteo

Bugu idzi dza u shumela dzo bveledzwa u itela uri dici shumiswe nga vhagudi vha Afurika Tshipembe nga fhasi ha vhurangaphanda ha Minisita wa Pfunzo ya Muteo, mufumakadzi Vho Angie Motshekga na Muthusaminista wa Pfunzo ya Muteo. Vho Dr. Reginah Mhaule.

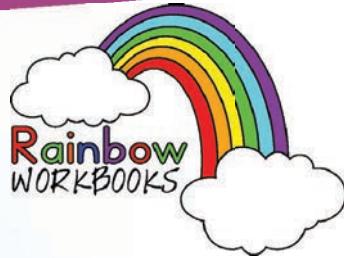
Bugu dza u shumela dza Rainbow dici vhumba tshipida tsha mbekanyamushumo dza vhudzheneleli dza Muhasho wa Pfunzo ya Muteo wo livhiswaho kha u khwinisa kushumele kwa vhagudi vha Afurika Tshipembe kha gireidi dza rathi dza u thoma. Sa tshinwe tsha zwithu zwa nthesa zwa Pulanetshumisi ya Muvhuso, thandela iyi yo itwa uri i vhe hone nga thusedzo ya masheleni ya Muhasho wa Gwama. Izwi zwo ita uri muhasho u kone u bveledza idzi bugu dza u shumela kha nyambo dzothe dza tshiofisi hu si na mbadelo.

Ri fulufhela uri vhadededzi vha do vhona ndeme ya bugu idzi kha u funza havho ha duvha linwe na linwe vha dovha vha ita uri vhagudi vha kone u khunyeledza kharikhulu amu yothe. Ro lingedza nga ndila dzothe u sumbedza vhagudisi kha nyito inwe na inwe nga u dzenisa aikhoni dzine dza sumbedza zwine vhagudi vha fanela u ita.

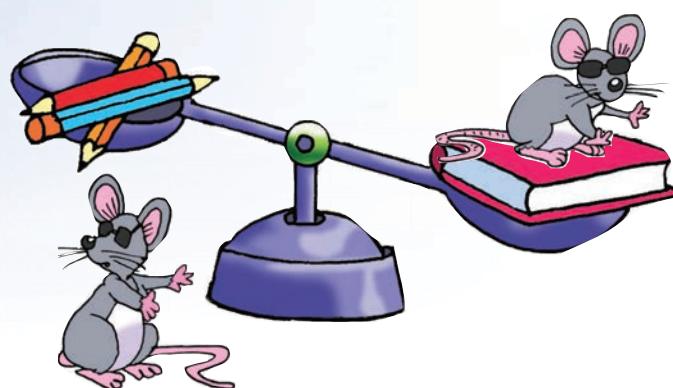
Ri na fulufhelo lothe la uri vhagudi vha do diphina nga u shuma nga idzi bugu musi vha tshi khou aluwa na u guda, na uri vhone sa vhadededzi vha do vha na mukovhe kha dakalo ili.

Ri ri kha vhone na vhagudi vhavho, ngavhe zwi tshi vha nakela musi vha tshi shumisa bugu idzi. Zwi pfumbe.

Gireidi ya **2**



Bugu iyi ndi ya:

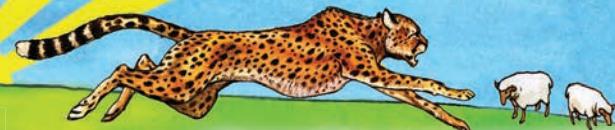


TSHIVENDA

Bugu ya

2

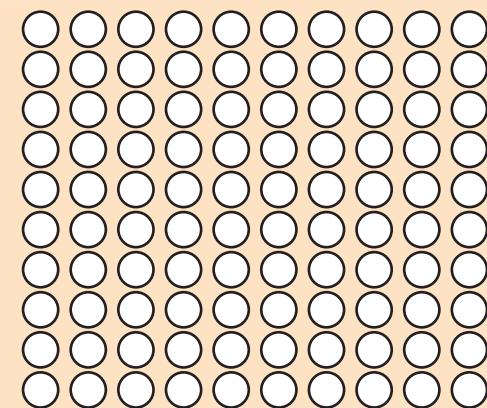
65



Nomboro 50 – 99

Themo ya 3

Khalaranzi zwitendeledzi zwa 58.



5 0

8



Ńwalani nomboro. Tsumbo ya u thoma i ñdo ni dededza.

$$60 + 8 \\ = 68$$



6 0 8

8 0 6

5 0 3

=

7 0 1

9 0 5

6 0 9



Ńwalani phindulo. Tsumbo ya u thoma i ñdo ni dededza:

furarumalo

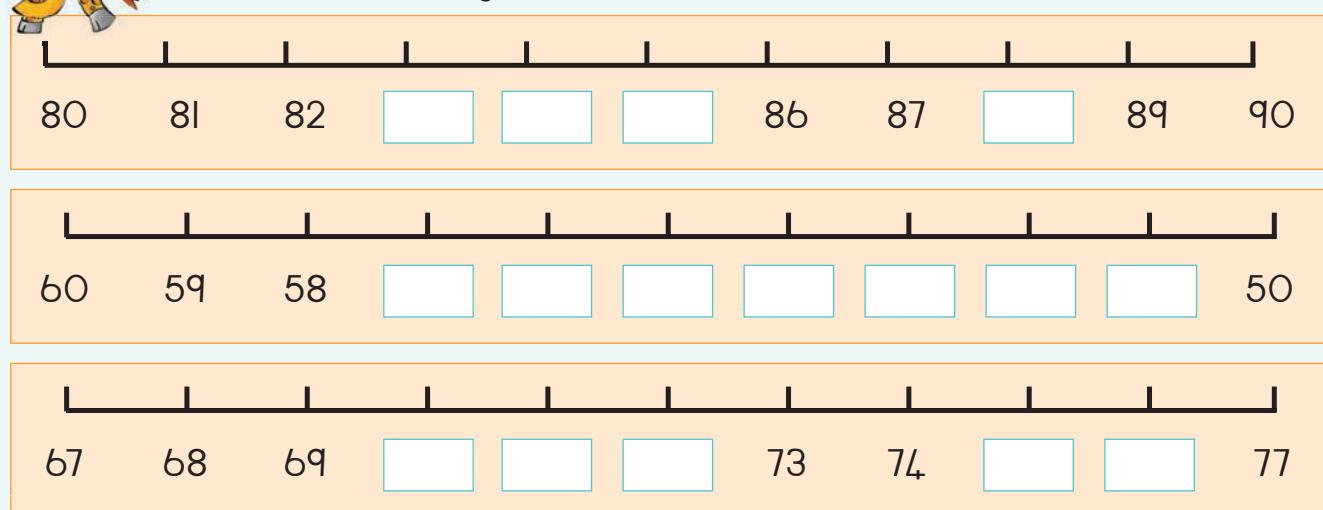


Nwalani phindulo dzanu dza zwi re af ho nthā nga mai pfi:

Thukhu	Nomboro	Khulwane
	55	
	63	
	88	
	95	
	71	



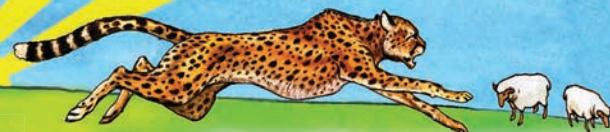
Fhedzisani mitalombalo iyi.



Gerani nomboro tharu dzi re vhukati ha 50 na 99 kha magazini kana gurannda.
Ni dzi nambatedze hafha.



66

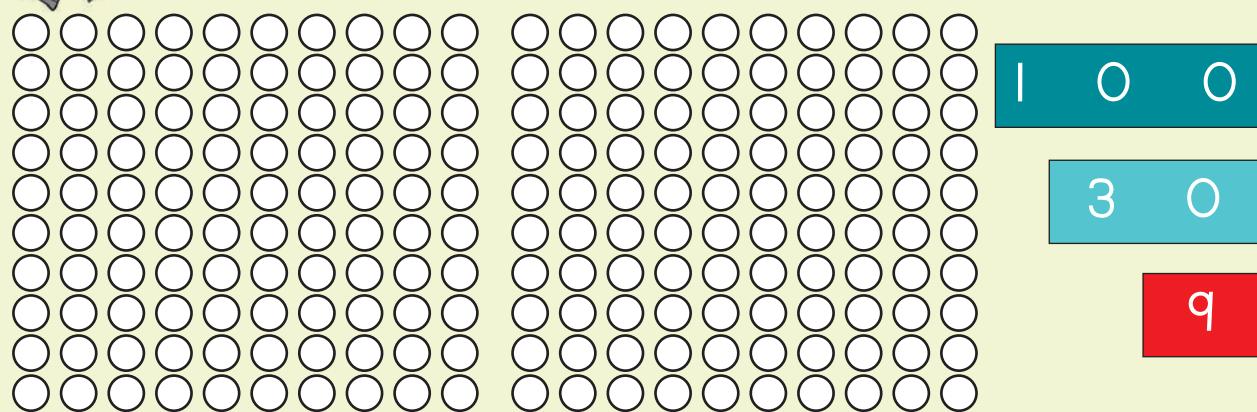


Nomboro 100 – 150

Deithi:

Themo ya 3

Khalarani zwitendeledzi zwa 139.



Nwalani nomboro ya:

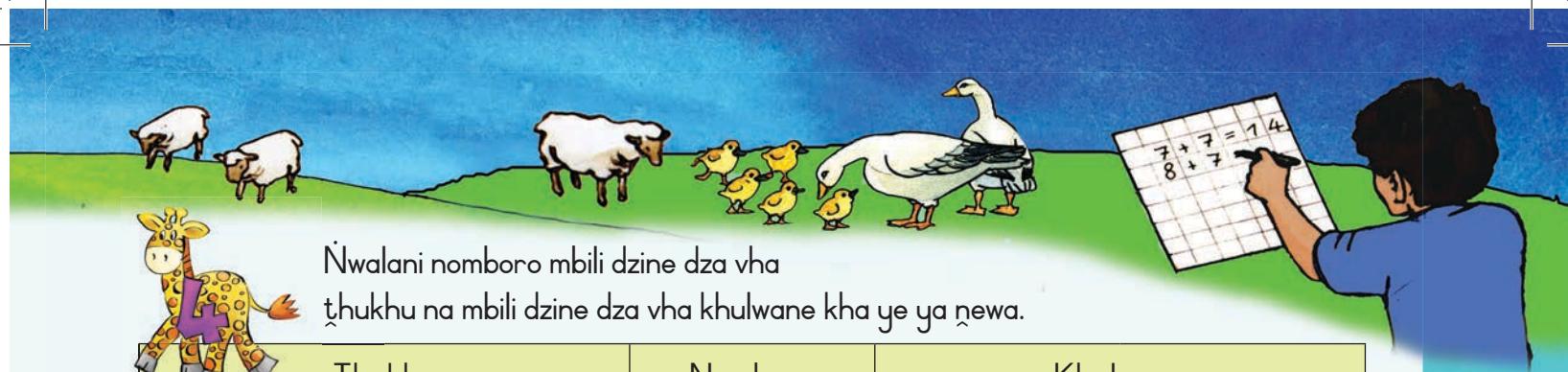
$1 \ 0 \ 0 + 2 \ 0 + 8 = 128$	$1 \ 0 \ 0 + 4 \ 0 + q$	$1 \ 0 \ 0 + 4 \ 0 + 2$
$1 \ 0 \ 0 + 5 \ 0$	$1 \ 0 \ 0 + 2 \ 0 + 7$	$1 \ 0 \ 0 + 3 \ 0 + 5$



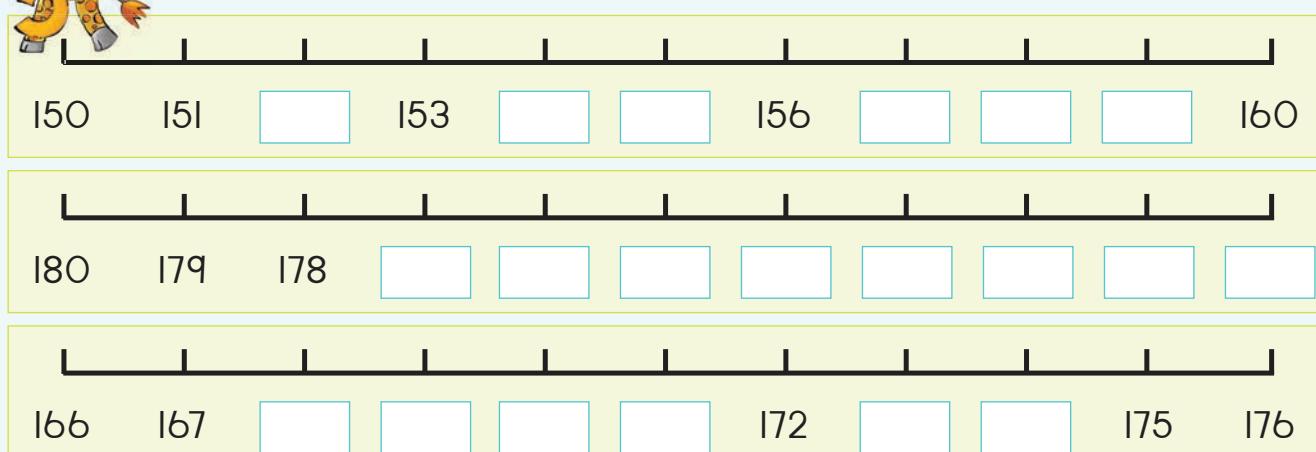
Ndi nomboro ifhio i no da vhukati ha:

4

1 2 3 4 5 6 7 8 9 10



Thukhu	Nomboro	Khulwane
	123	
	145	
	108	
	141	
	134	



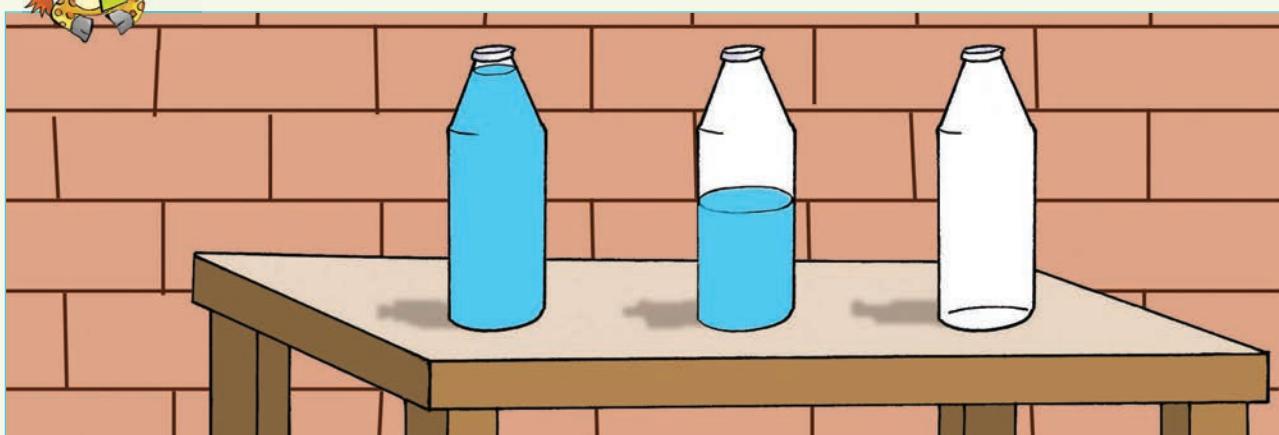
Teacher: _____
Sign: _____
Date: _____

67

Dala, denga, a tshi na tshithu

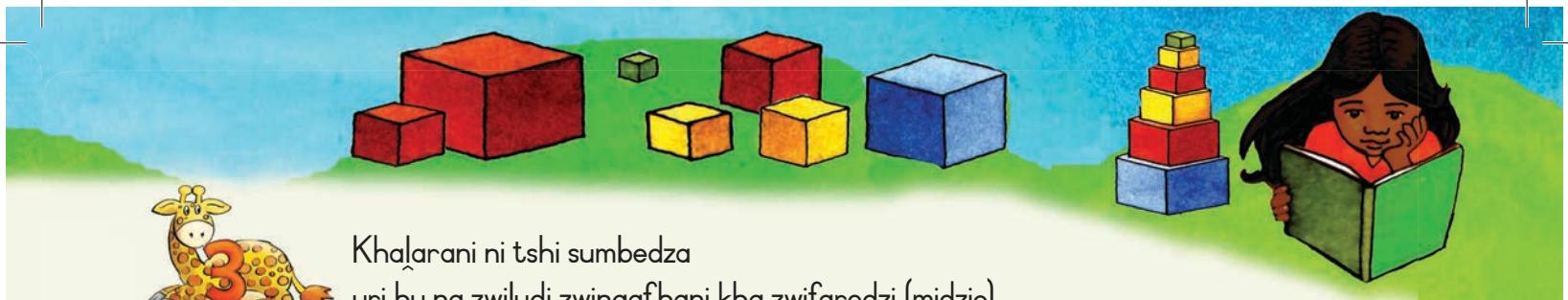
Themo ya 3

Ambani nga mabodelo a re nt̄ha ha ṭafula ya mugudisi.



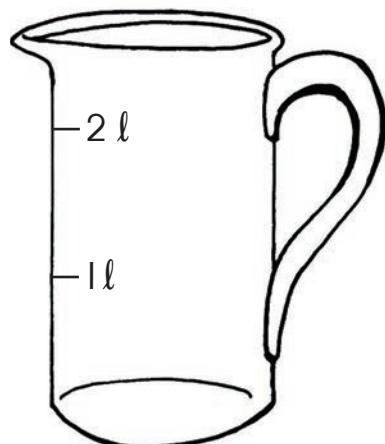
Bulani uri tshifaredzi tsho ḋala, tshi denga kana a tshi na tshithu.



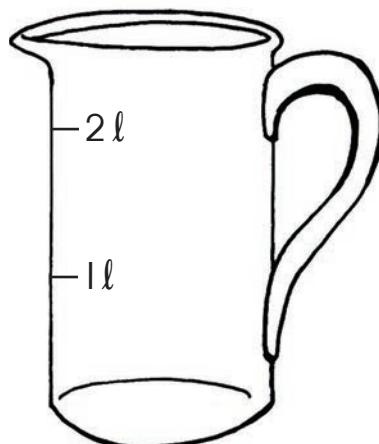


Khalaran ni tshi sumbedza
uri hu na zwiludi zwingafhani kha zwifaredzi (midzio).

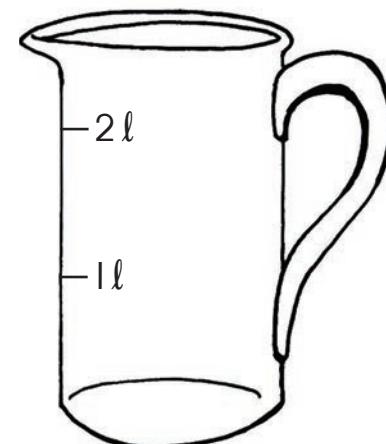
Tsho dala



Ndi denga



A tshi na tshithu



Olani zwifaredzi zwañu inwi muñe. Olani zwa 3 zwi no nga zwenezwi. Tshifaredzi tshiñwe na tshiñwe tsha fara litha dza 4. Zwi sumbedzeni.

Tsho dala

Ndi denga

A tshi na tshithu



Ndi tshifaredzi tshifhio
tshi no hwala zwinzhi.



68



Khaphasithi hafhu

Deithi:

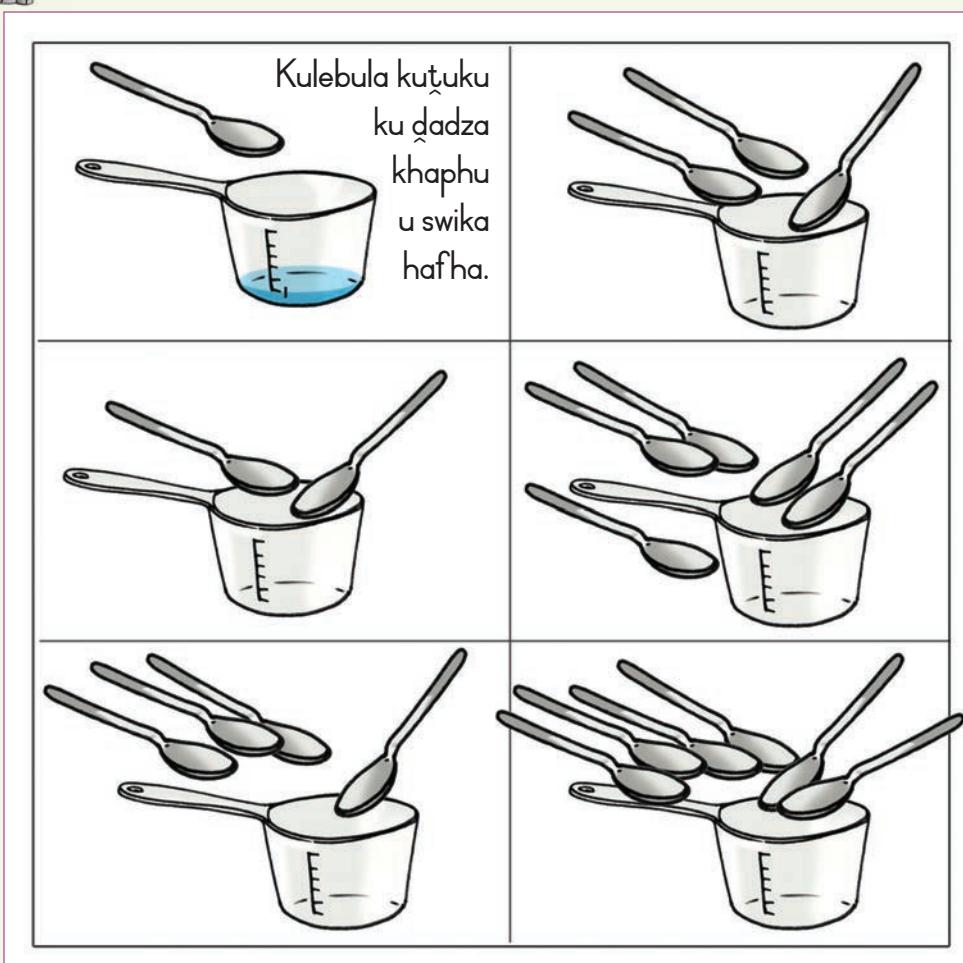
Themo ya 3

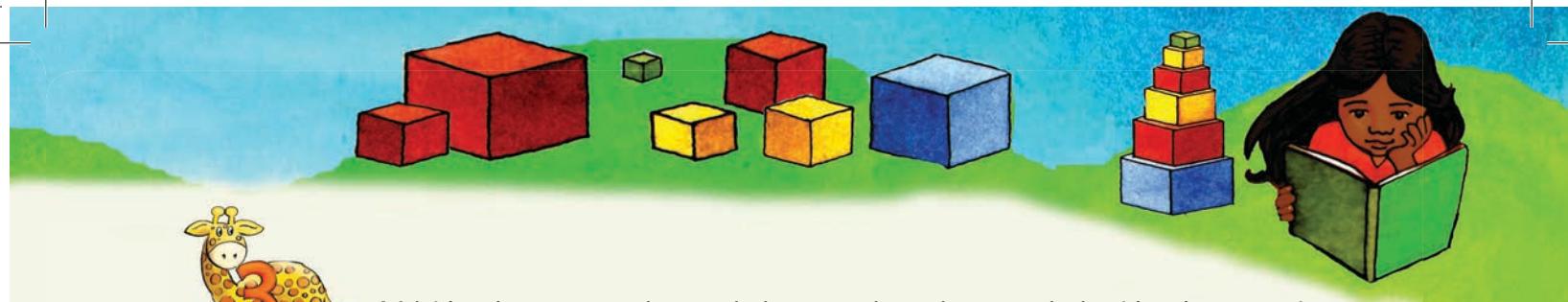


Lavhelesani zwifanyiso. Vhana vha khou ita mini.



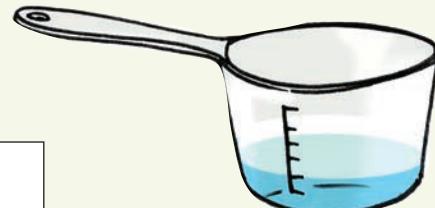
Lebula dzi do dadza dzhege u swika ngafhi? Kharanani.

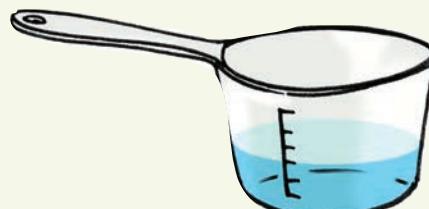


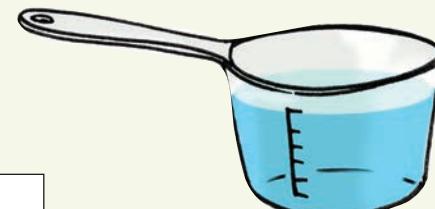


Ndi khaphu nngana dza madi dzine na do toda uri ni dadze khaphu ya u ela.















Makhulu vha shumisa khaphu dza 2 dza mafhi kha u ita phudini.

Arali vha inga kavhili (davhula) risipi, vha do shumisa mafhi mangafhani?

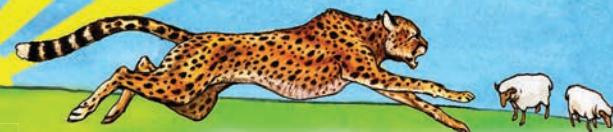


Teacher:

Sign:

Date:

69

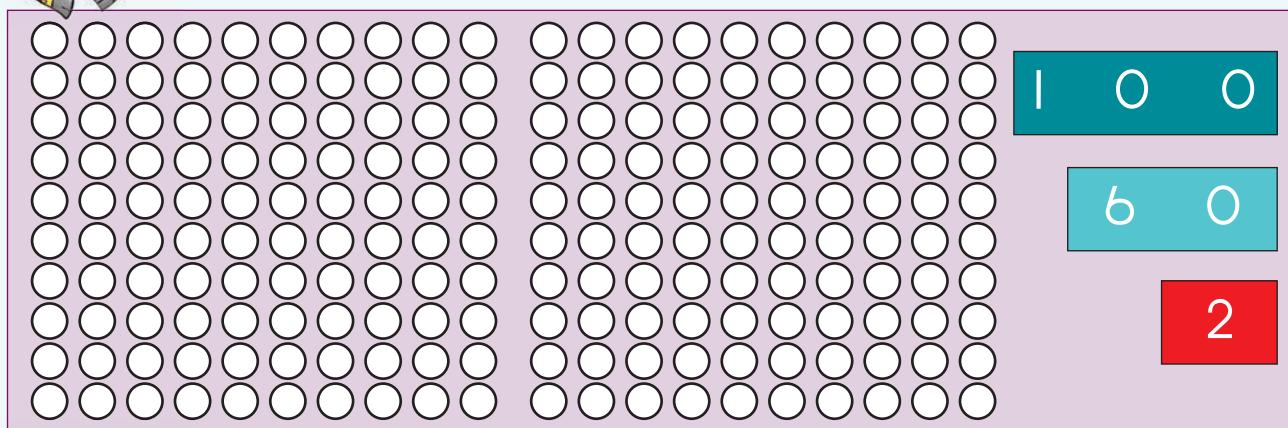


Nomboro 150 – 170

Themo ya 3



Khalarani zwitendeledzi zwa 162.



Nwalani nomboro:

$100 + 50 + 2$ = 152	=	=
$100 + 60 + 7$	=	=
$100 + 50 + 4$	=	=
$100 + 60 + 1$	=	=



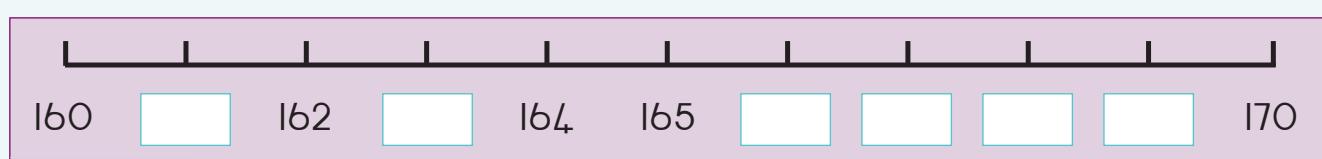
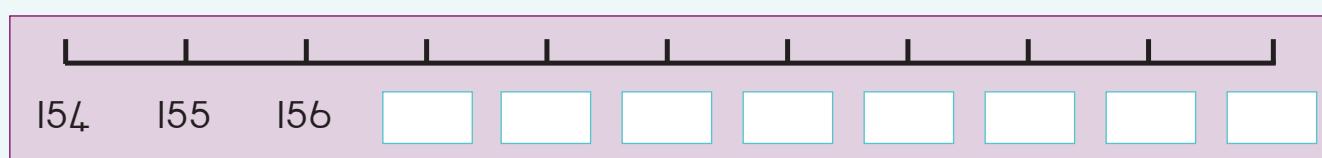
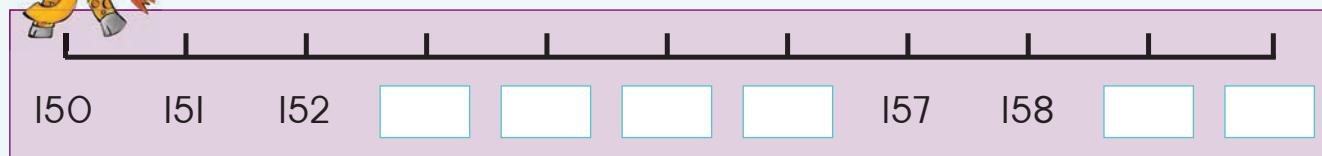
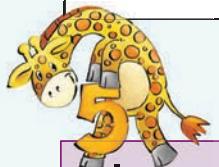
Ndi nomboro ifhio i no da vhukati ha:

10

1 2 3 4 5 6 7 8 9 10



Thukhu	Nomboro	Khulwane
	155	
	168	
	151	
	162	
	160	



Gerani nomboro tharu dzi re vhukati ha 150 na 170 kha magazini kana gurannda.
Dzi nambatedzeni hafha dzi tshi tevhekana u bva kha ḫukhusa u ya kha khulwanesa.



Teacher:
Sign:
Date:

70

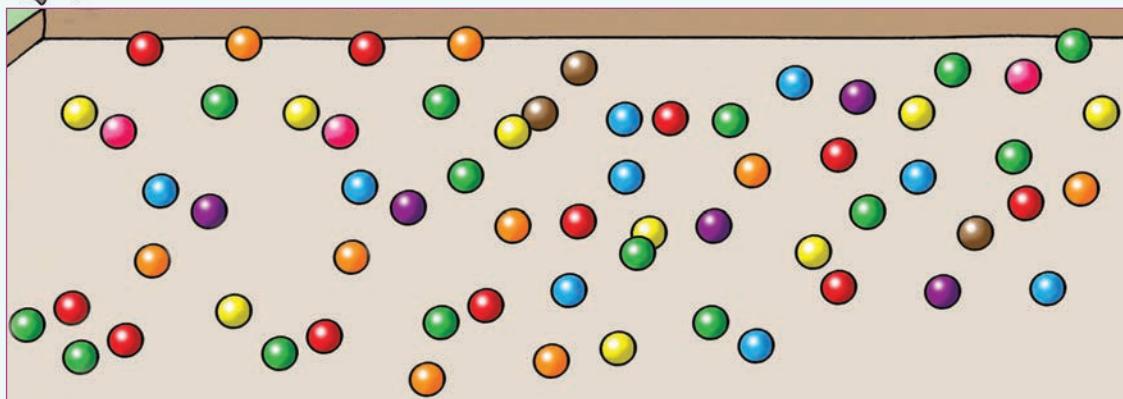
U vhala na u anganya (0 – 100)

Themo ya 3

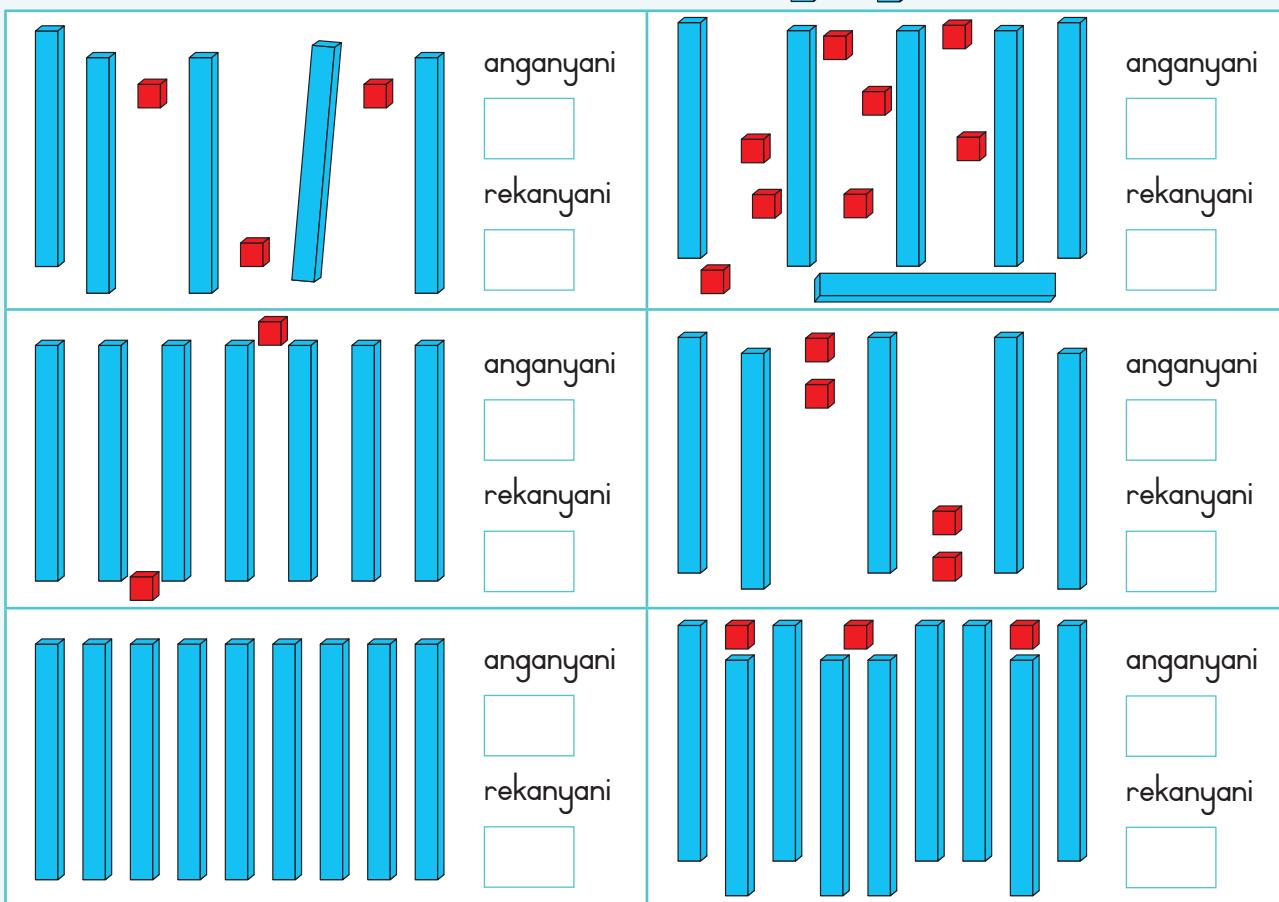
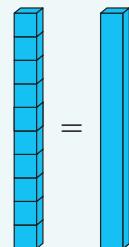


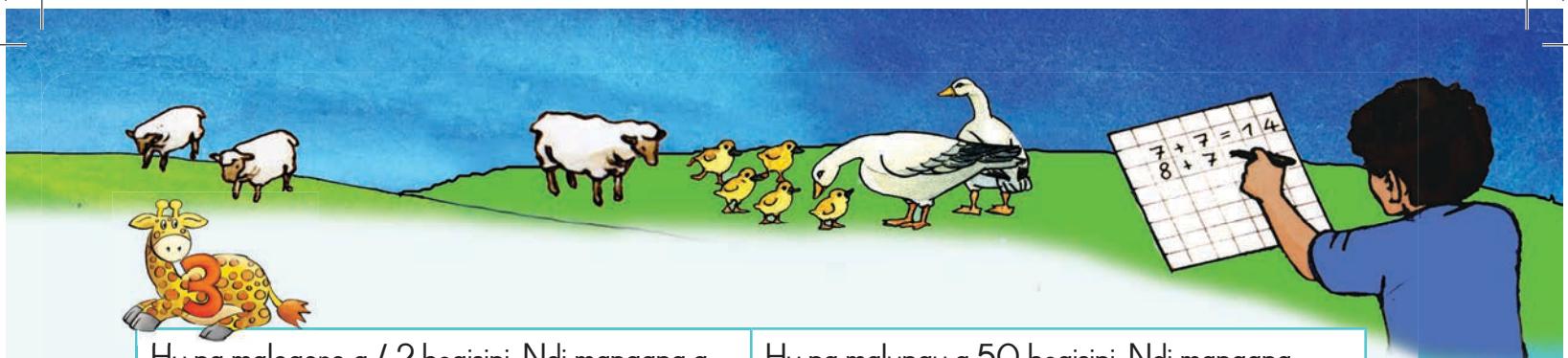
Anganyani ni vhale malungu.

Deithi:



Hu na zwibulozo zwa 10 kha tshifaredzi.
Anganyani ni kone u vhala.

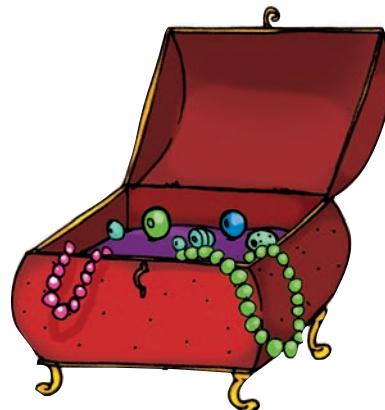




Hu na malegere a 42 bogisini. Ndi mangana a sa vhonali?



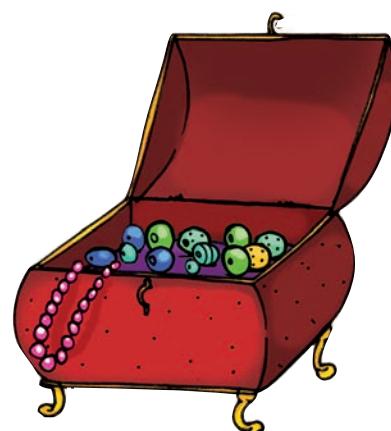
Hu na malungu a 50 bogisini. Ndi mangana a sa vhonali?



Hu na malegere a 78 bogisini. Ndi mangana a sa vhonali?

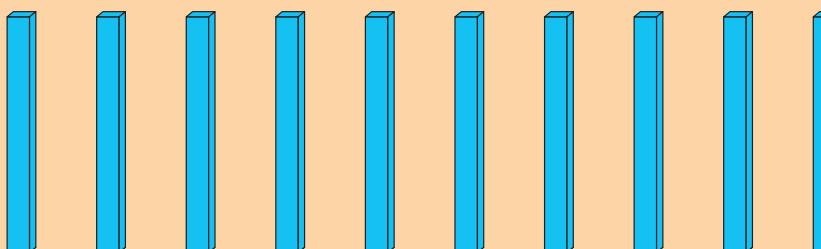


Hu na malungu a 100 bogisini. Ndi mangana a sa vhonali?



Ni nga zwi shuma nga luvhilo lungafhani?

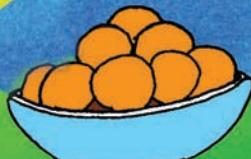
Tshifaredzi tshiñwe na tshiñwe tshi na zwibuloko zwa 10. Hu na zwibuloko zwingana zwo fhelela?





Teacher: _____
Sign: _____
Date: _____

71

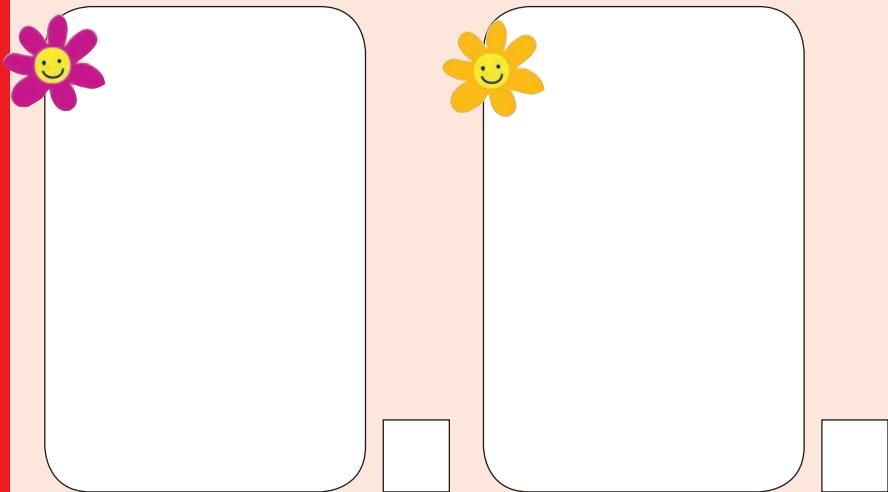
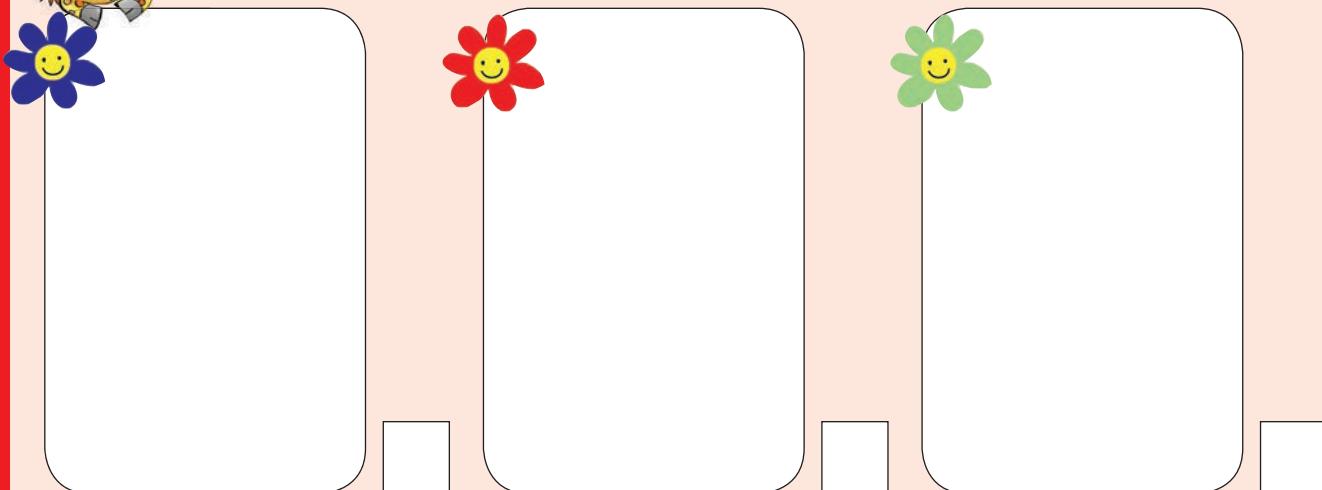


Data iñwe hafhu

Themo ya 3



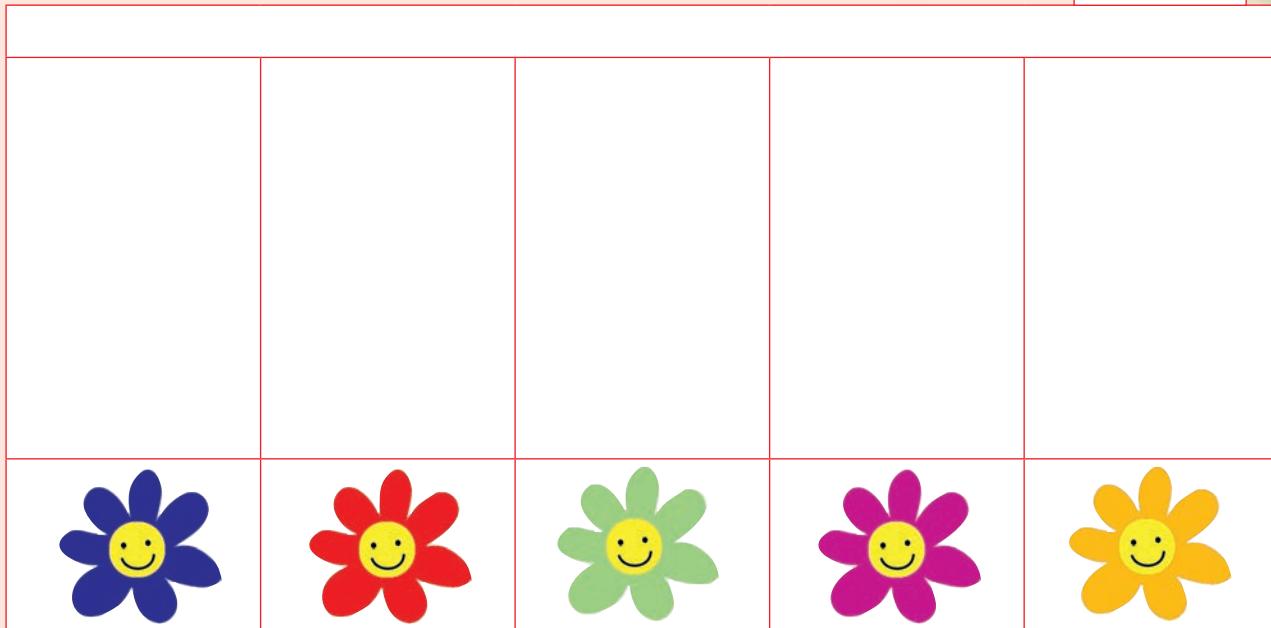
Nanguludzani maluvha. Olani nyolo yanu ya u zwi sumbedza. Nwalani thanganyelo tshibogisini.





Olani phikhithogirafu ya maluvha o nanguludzwaho.
Thoho i do vha ifhio?

KHII:



Fhindulani mbudziso dzi tevhelaho:

Hu na maluvha mangana a phephulu?

Hu na maluvha mangana matswuku?

Hu na maluvha mangana madala ?

Hu na maluvha mangana a pinki?

Hu na maluvha mangana a tada?

Ndi muvhala ufhio wa maluvha une u sa takaleleswe?

Ndi maluvha a muvhala ufhio une na funesa?



11

12

13

14

15

16

17

18

19

20

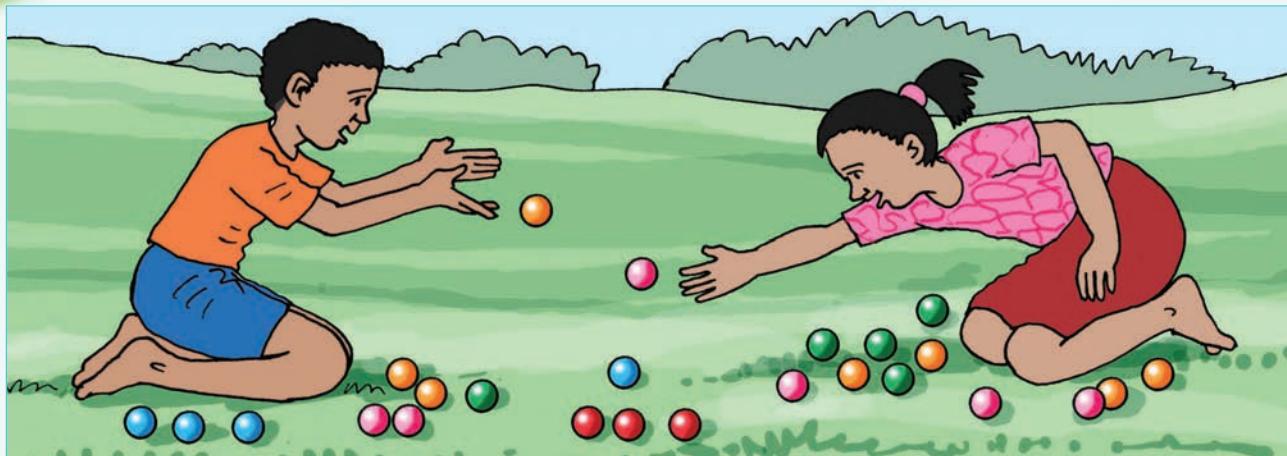
72



Mutanganyo 0 – 50

Deithi:

Themo ya 3



Lavhelesani tshifanyiso ni ḥanganye mavhułu.

mitswuku

+ ya lutombo

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

midala

+ ya lutombo

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

ya pinki

+ ya lutombo

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

midala

+ ya tshitopana

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

mitswuku

+ midala

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



Livhanyani magaraṭa na ḥhanganyelo dzone. Talani mutalo u tshi bva kha mbalo u tshi ya kha magaraṭa one.

2

1 0

5

2 0

3

3 0

7

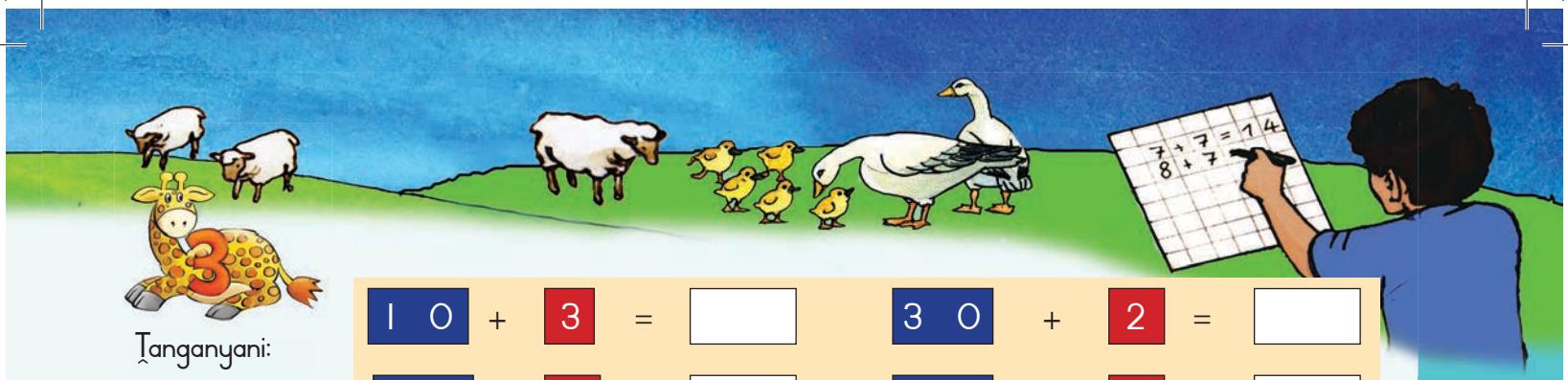
4 0

$$7 + 40 = 47$$

$$10 + 2 = 12$$

$$20 + 5 = 25$$

$$3 + 30 = 33$$



Tanganyani:

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



Tanganyani:

$16 + 13$

6	3	$=$	q	
$1\ 0$	$+$	$1\ 0$	$=$	$2\ 0$

$$1\ 6 + 1\ 3 = 2\ 9$$

$24 + 12$

4	2	$=$	<input type="text"/>	
$2\ 0$	$+$	$1\ 0$	$=$	<input type="text"/>

$37 + 11$

7	1	$=$	<input type="text"/>	
$3\ 0$	$+$	$1\ 0$	$=$	<input type="text"/>

$$\quad + \quad = \quad$$

$25 + 23$

5	3	$=$	<input type="text"/>	
$2\ 0$	$+$	$2\ 0$	$=$	<input type="text"/>

$$\quad + \quad = \quad$$

$36 + 12$

6	2	$=$	<input type="text"/>	
$3\ 0$	$+$	$1\ 0$	$=$	<input type="text"/>

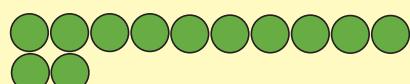
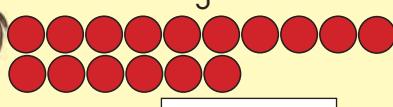
$$\quad + \quad = \quad$$

$28 + 21$

8	1	$=$	<input type="text"/>	
$2\ 0$	$+$	$2\ 0$	$=$	<input type="text"/>

$$\quad + \quad = \quad$$

Ann u na zwivhaleli zwa 16 ngeno Aakar e na zwa 12 .



Thanganyelo ndi vhugai?



Teacher: _____
Sign: _____
Date: _____

73



Mutanganyo 0 – 75

Themo ya 3



Thanganyelo ya tshibuloko tshinwe na tshinwe ndi vhugai?

Deithi:

1	10
5	10

6	20
2	10

3	20
5	30

4	40
4	30



Tanganyani.

$12 + 11$

$$\begin{array}{c}
 \boxed{\quad} \quad \boxed{\quad} + \boxed{\quad} \quad \boxed{\quad} \\
 = \boxed{\quad} + \boxed{\quad} + \boxed{\quad} + \boxed{\quad} \\
 = \boxed{\quad} + \boxed{\quad} \\
 = \boxed{\quad}
 \end{array}$$

$23 + 41$

$$\begin{array}{c}
 \boxed{\quad} \quad \boxed{\quad} + \boxed{\quad} \quad \boxed{\quad} \\
 = \boxed{\quad} + \boxed{\quad} + \boxed{\quad} + \boxed{\quad} \\
 = \boxed{\quad} + \boxed{\quad} \\
 = \boxed{\quad}
 \end{array}$$



Fhedzisani:

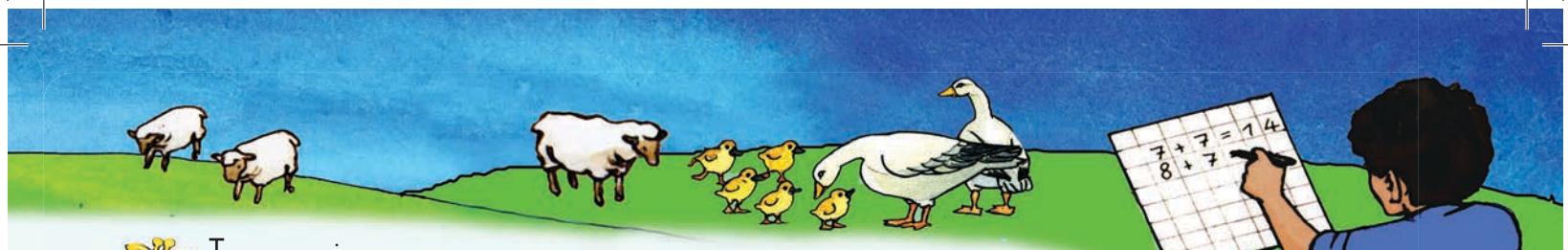
$$28 + \boxed{11} = \boxed{2} \boxed{8} + \boxed{1} \boxed{0} + \boxed{1} = 38 + \boxed{1} = 39$$

$$34 + \boxed{12} = \boxed{3} \boxed{4} + \boxed{1} \boxed{0} + \boxed{2} = \boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

$$43 + \boxed{23} = \boxed{4} \boxed{3} + \boxed{2} \boxed{0} + \boxed{3} = \boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

$$45 + \boxed{23} = \boxed{4} \boxed{5} + \boxed{2} \boxed{0} + \boxed{3} = \boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

$$56 + \boxed{11} = \boxed{5} \boxed{6} + \boxed{1} \boxed{0} + \boxed{1} = \boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



Tanganyani.



$21 + 10 = \boxed{}$

$53 + 10 = \boxed{}$

$46 + 10 = \boxed{}$

$68 + 10 = \boxed{}$

$37 + 10 = \boxed{}$

$42 + 10 = \boxed{}$

$74 + 10 = \boxed{}$

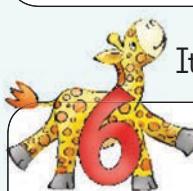
$19 + 10 = \boxed{}$

$55 + 10 = \boxed{}$



Thanganyelo ya 47 na 6 ndi?

Olani tshifanyiso ni tshi sumbedza phindulo yanu.

 Itani mbalomaipfi ya inwi muñe ni tshi shumisa zwifanyiso.



74



Mut^hanganyo na mut^huso: 0 – 75

Themo ya 3

Livhanyani magarata. Talani mutalo u bva kha thanganyelo u tshi ya kha garata lone.

q

6 0

5

5 0

4

7 0

7

4 0

$7 + 40 = 47$

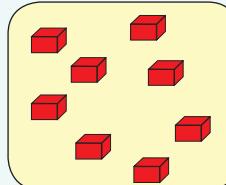
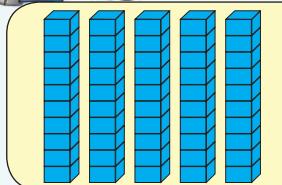
$60 + 9 = 69$

$50 + 5 = 55$

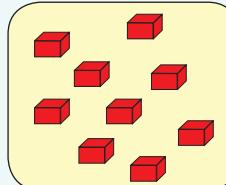
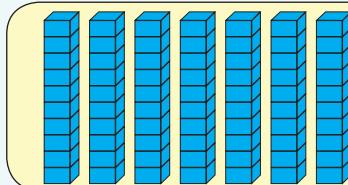
$4 + 70 = 74$



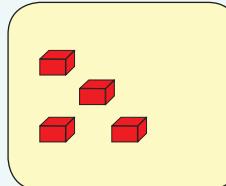
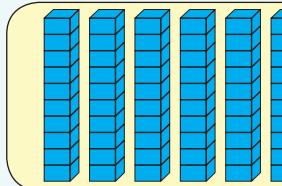
Nwalani mbalo ya zwi tevhelaho ni dzenise phindulo.



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



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



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

T^hanganyani.

$6 0 + 4 = \boxed{}$

$3 0 + 2 = \boxed{}$

$4 0 + 9 = \boxed{}$

$5 0 + 4 = \boxed{}$

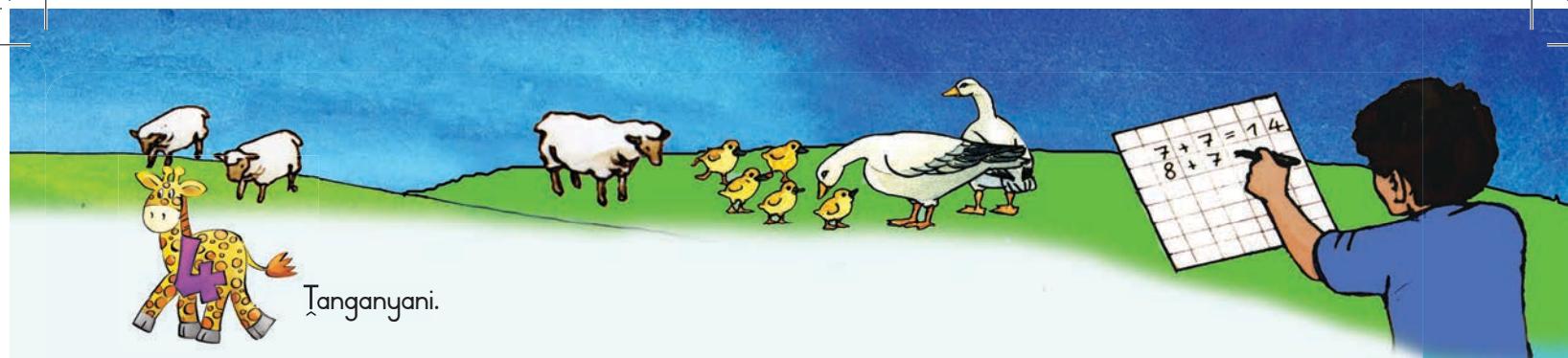
$2 0 + 8 = \boxed{}$

$1 0 + 7 = \boxed{}$

$7 0 + 5 = \boxed{}$

$7 0 + 8 = \boxed{}$

$5 0 + 6 = \boxed{}$



$56 + 15$

$34 + 17$

$56 + 15 = 71$



$\square + \square = \square$

$48 + 13$

$63 - 41$

$\square + \square = \square$

$\square - \square = \square$

$75 - 51$

$72 - 49$

$\square - \square = \square$

$\square - \square = \square$



Olani tshifanyiso ni tshi sumbedza uri Mbali u na zwibuloko zwa 52 ngeno Zander e na zwa 36.



Teacher: _____
Sign: _____
Date: _____

Thanganyelo ndi vhugai? _____

75

Bola, mabogisi na silinda

Themo ya 3



Maipfi aya a nga ni thusa:

mabogisi

bola

silinda

Ni kha di elelwa uri ndi zwivhumbeode?

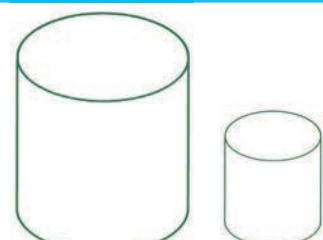
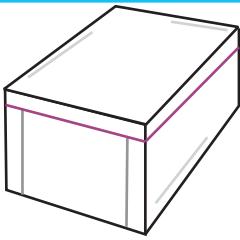
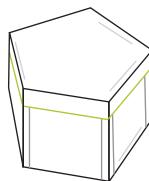


Topolani bola, mabogisi na silinda nge na nwala ipfi ilo nga fhasi ha tshiinwe na tshiinwe tshazwo.





Khalarani zwithu zwi re zwituku nga muvhala mudala.



mabogisi

bola

silinda



Olani tshithu tshi re tshihulwane.



Ni khou tama u dzenisa mpho ya mme aŋu ya ḫuvha ḫa mabebo kha tshifaredzi. Ni tea u ḫalutshedza murengisi uri ni khou ṭoda tshithude. Ni nga tshi ḫalutshedza hani?



11

12

13

14

15

16

17

18

19

20

76

Swendani, kunguluwani ni fhaṭe nga zwithu zwa 3-D

Themo ya 3

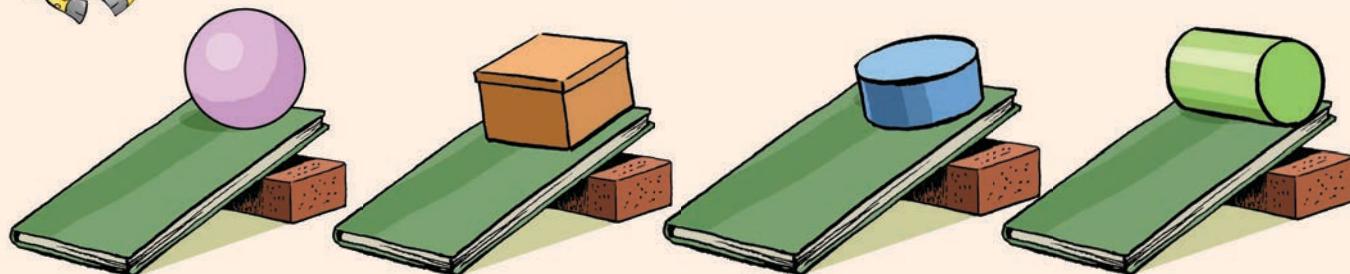


Mudededzi waṇu vha ḋo ita nyito iyi na inwi i ya phuratikhała u itela u vhona uri zwi tevhelaho zwi nga dzula (balantsa) naa:

- Bogisi nt̄ha ha bogisi.
- Bola nt̄ha ha bogisi.
- Bola nt̄ha ha bola.
- Mabogisi mavhili o t̄hophana.



Mabogisi, bola na silinda zwi nga kunguluwa kana zwa swenda. Mudededzi waṇu vha ḋo ni nea zwithu zwi tevhelaho uri ni vhone arali zwi tshi kunguluwa kana u swenda. Nga murahu ha u ita nyito iyi lwa phurathikhała, ambanu uri izwi zwithu zwi ḋo kunguluwa kana u swenda naa.



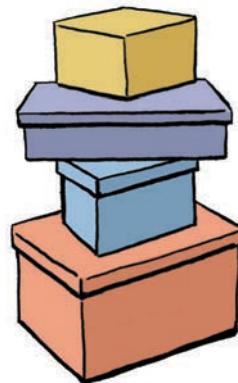
Wanani zwifanyiso zwa zwithu zwine zwa nga kunguluwa kana zwa swenda kha magazini ni zwi nambatedze hafha.

kunguluwa

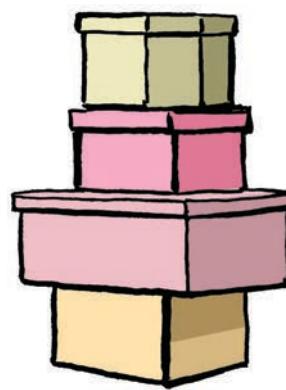
swenda



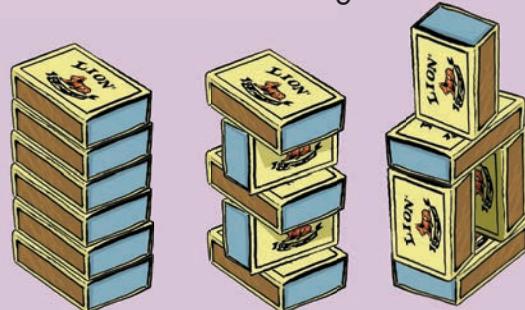
Mudededzi wanu vho ni fha zwibuloko zwine na nga fhaña ngazwo thawara dzo fhambananaho. Inwi na khonani yanu no humbula u fhaña thawara nga mabogisi, bola na silinda. Hetshi tshithu ndi tshone tshe na fhaña kana na edzisa u fhaña. Ambani uri zwo konadzea naa kana hai.



Hezwi zwi do konadzea



Dziñwe dza thawara dza zwibogisi zwa metshisi khedzi.



Ni tea u vha na:

Zwibogisi zwa metshisi

Zwine na tea u ita:

Zwino lingedzani u fhaña thawara ya zwibogisi zwa metshisi i ye nt̄ha nga hune na nga kona ni sa shumisi guluu.



11

12

13

14

15

16

17

18

19

20

77



Mutanganayo na mutuso hafhu 0 – 75

Deithi:

Themo ya 3



Tanganyani nomboro dzi re tshibulokoni tshiinwe na tshiinwe ni nwale phindulo.

2	5 0	5 0	4 0	3 0
2	2 0	1 0	1 0	2 0
3			3	1



Tanganyani.

$52 + 21$

$43 + 28$



Fhedzisani.

$28 + 31 = 2\boxed{8} + 30 + \boxed{1} = 58 + \boxed{1} = 59$

$45 + 32 = 4\boxed{5} + 30 + \boxed{2} = \boxed{} + \boxed{} = \boxed{}$

$52 + 14 + 5\boxed{2} + 10 + \boxed{4} = \boxed{} + \boxed{} = \boxed{}$



Tanganyisani.

$41 + 10 = \boxed{}$

$44 + 10 = \boxed{}$

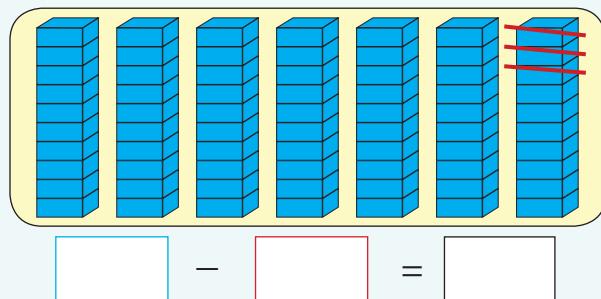
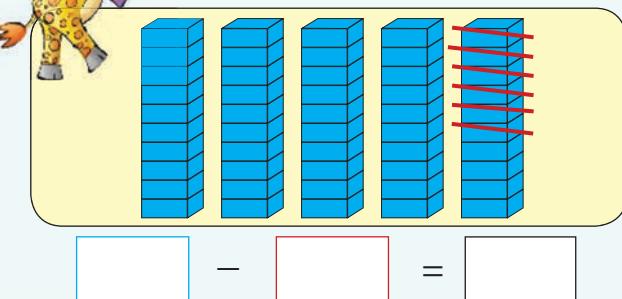
$71 + 10 = \boxed{}$



Thanganyelo ya 36 na 24 ndi _____.
Olani tshifanyiso ni tshi sumbedza phindulo yanu.



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



$$65 - 23$$

$$72 - 29$$



$$61 - 10 = \boxed{\quad}$$

$$42 - 10 = \boxed{\quad}$$

$$37 - 10 = \boxed{\quad}$$



Ho sala mimavhulu mingana? _____

Teacher: _____
Sign: _____
Date: _____

78



Tshelede hafhu

Deithi:

Themo ya 3

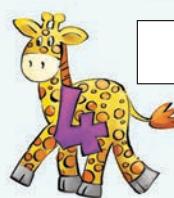
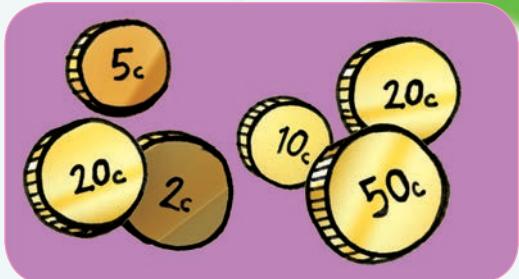
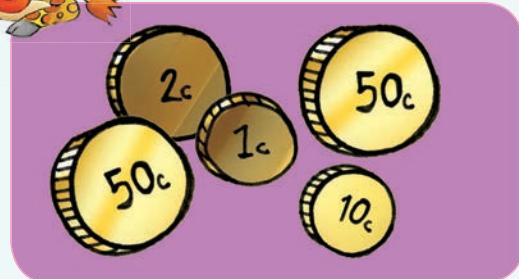


Ndo vhulunga vhugai?



Shumisani khoini dici no bva kha Tshigeriwa 3 ni nambatedze mitengo yone hafha.





Mbalo dza maiifi:

Suzy u na 100c. Khotsi anga vha mu engedza nga 50c. U na vhugai yo tangana yo^{the}? Olani tshifanyiso tshi no sumbedza phindulo yanu.

Ndi na 170c. Ndo renga legere la 100c. Ndo salelwa nga vhugai? Olani tshifanyiso tshi no sumbedza phindulo yanu.



79



Themo ya 3

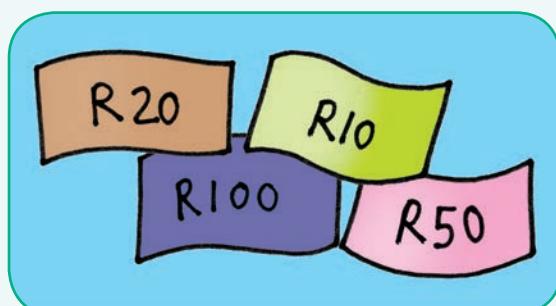
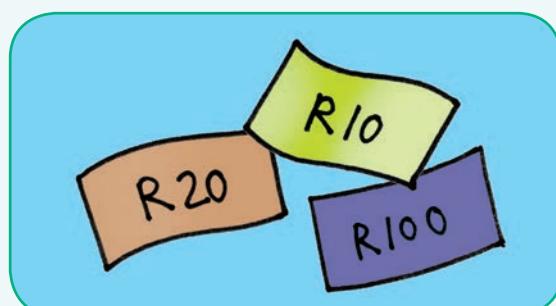
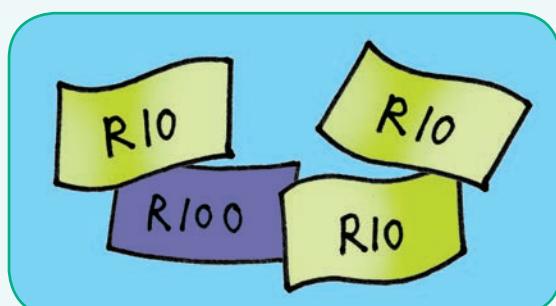
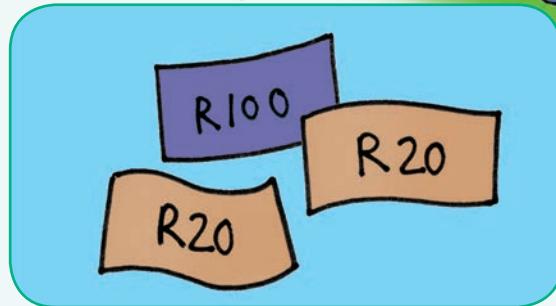
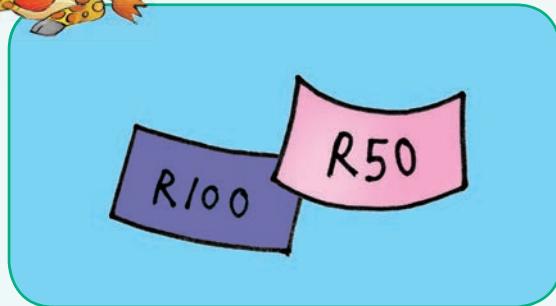
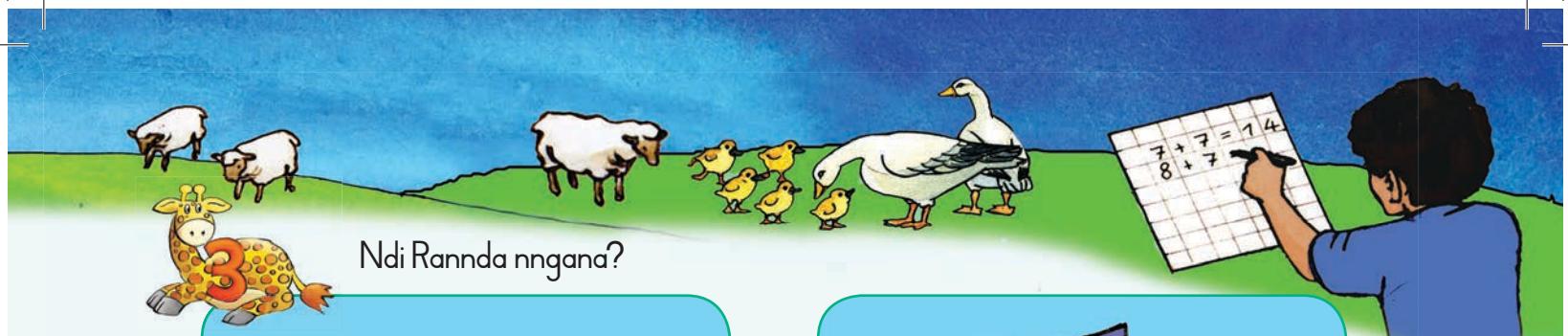


Ndi na vhugai phesen?



Shumisani dzinoutu dzi no bva kha Tshigeriwa 3 ni nambatedze mitengo yone hafha.





Mbalo dza maipfí:

Mukomana wanga u na R100. Ndi na R50 nahone kukaladzi kwanga ku na R20. Ri na vhugai yo tangana yóthe? _____

Ndi na R160. Nda renga hemmbe ya R50. Ndo salelwa nga vhugai? _____



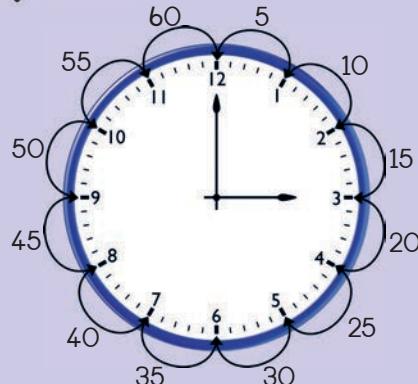
80

Phetheni dza zwifhinga

Themo ya 3



Ambani nga watshi.



Watshi i na mañanga mavhili.

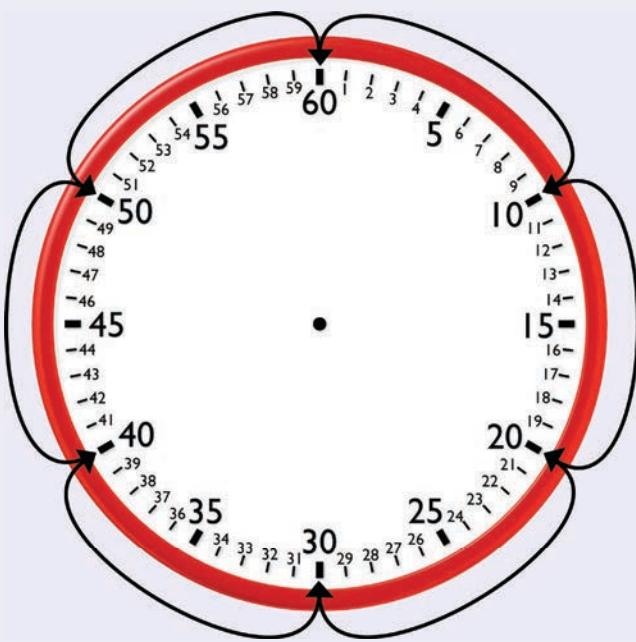
Lunanga lupfufhi lu ri sumbedza awara.

Lunanga lulapfu lu ri sumbedza miminete.

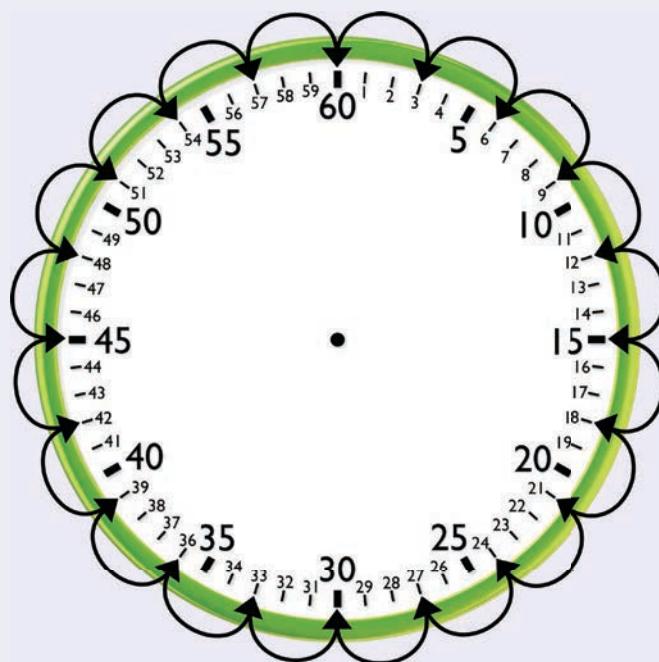
Afha ri ri ndi awara ya 3 (ya vhuraru)



Phetheni ndi ifhio? Lavhelesani misevhe tshifhinga tshothe ni nwale phetheni ya hone.



10 __, __, __, __, __,

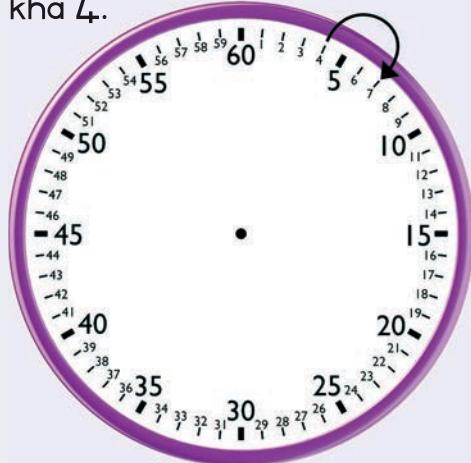


3, __, __, __, __, __, __, __,
____, __, __, __, __, __, __, __,
____, __, __, __,

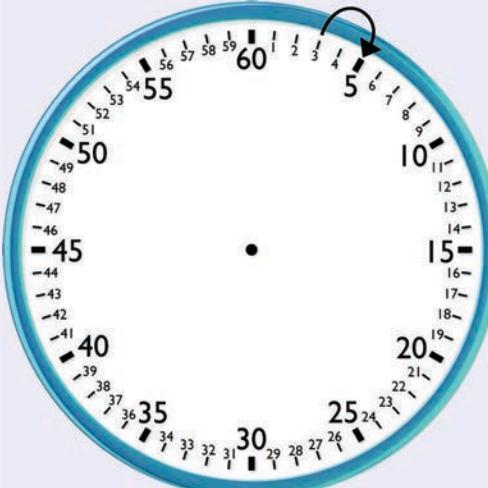


Sumbedzani phetheni ni tshi shumisa misevhe.

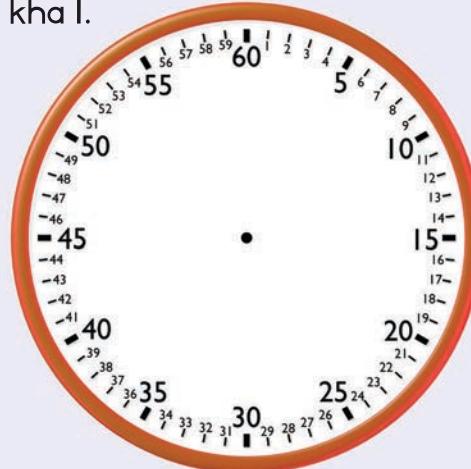
Vhalani nga tharutharu ni tshi thoma kha 4.



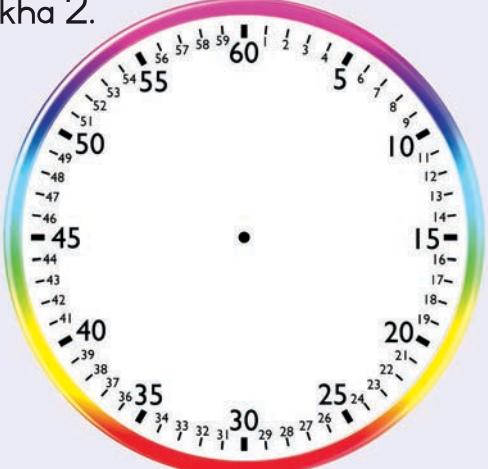
Vhalani nga mbilimbili ni tshi thoma kha 3.



Vhalani nga mahumi ni tshi thoma kha 1.



Vhalani nga thanuthanu ni tshi thoma kha 2.



Ni ya tshikoloni nga tshifhingade?



Ni ya hayani nga tshifhingade?



Ni la tshilalelo nga tshifhingade?



Teacher:
Sign:
Date:

8la

Awara na miminete

Themo ya 3



Ambani nga watshi.



Lunanga lupfufhi lu ri sumbedza uri yo tou fhira nyana awara ya 3.

Lunanga lulapfu lu ri sumbedza uri ho fhela miminete ya 15.

Ri ri ndi kotara u bva kha awara ya vhuraru.

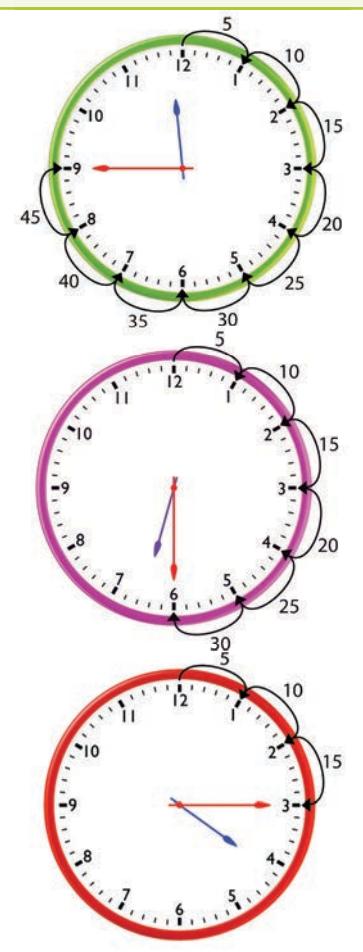
Ri amba uri ndi minete ya fumi \bar{t} hanu u bva kha awara ya 3.

Minete ya fumi \bar{t} hanu ndi kota ya minete ya furathi (awara).

Deithi:



Ndi tshifhingade?



Lunanga lupfufhi lu ri sumbedza _____.

Lunanga lulapfu lu ri sumbedza uri ndi _____.

Ri ri ndi _____.

Lunanga lupfufhi lu ri sumbedza _____.

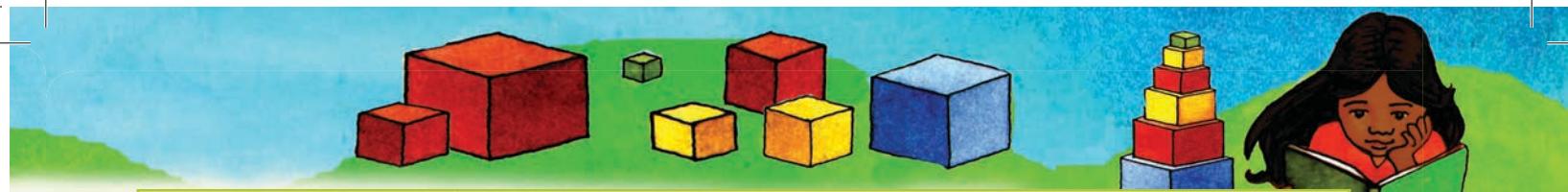
Lunanga lulapfu lu ri sumbedza uri ndi _____.

Ri ri ndi _____.

Lunanga lupfufhi lu ri sumbedza _____.

Lunanga lulapfu lu ri sumbedza uri ndi _____.

Ri ri ndi _____.



	Lunanga lupfufhi lu ri sumbedza _____.
	Lunanga lulapfu lu ri sumbedza uri ndi _____.
	Ri ri ndi _____.

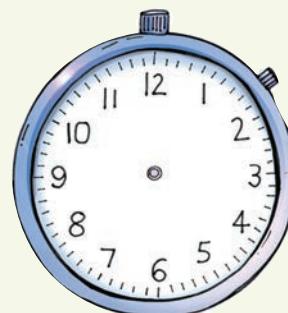


Olani lunanga lulapfu na lunanga lupfufhi.

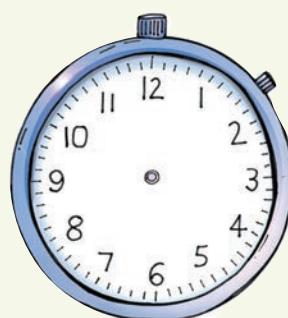
Kotara u bva kha
awara ya vhuvhili.



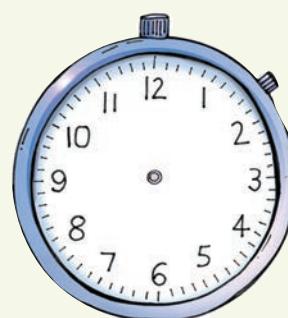
Hafu u bva kha
awara ya vhut̄ahē.



Awara ya
vhufumi.



Kotara u ya kha
awara ya vhurathi.



Ni ita mini nga itshi tshifhinga vhukati ha vhege? Olani tshifanyiso.

Kotara u bva kha awara ya vhumalo nga
matsheloni.

Kotara u bva kha awara ya vhumalo nga
madekwana.



8lb

Themo ya 3



Ambani nga watshi.



Lunanga lupfufhi lu tsini na 3.

Lunanga lulapfu lwo ima kha **miminete ya 35**.

Ndi miminete ya 25 u rangela lunanga lulapfu lu tshi
swika kha 12.

Ri ri ndi **minete ya fumbilitanu u ya kha awara ya vhuraru**.

Ri khou amba uri ndi miminete ya 25 u rangela awara ya vhuraru.



Ndi tshif hingade?



Lunanga lupfufhi lwo ima kha _____.

Lunanga lulapfu lwo ima kha _____.

Ndi _____ u rangela lunanga lulapfu lu tshi ima kha 12.

Ri ri ndi _____ u ya kha _____.



Lunanga lupfufhi lwo ima kha _____.

Lunanga lulapfu lwo ima kha _____.

Ndi _____ u rangela lunanga lulapfu lu tshi ima kha 12.

Ri ri ndi _____ u ya kha _____.



Lunanga lupfufhi lwo ima kha _____.

Lunanga lulapfu lwo ima kha _____.

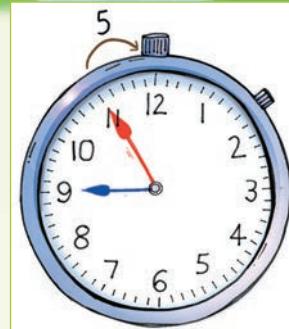
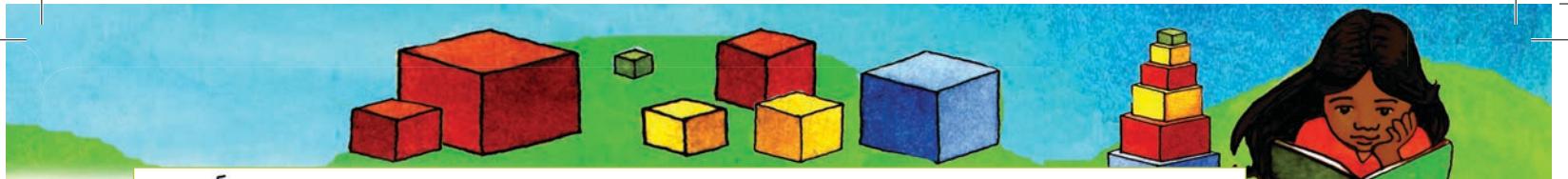
Ndi _____ u rangela lunanga lulapfu lu tshi ima kha 12.

Ri ri ndi _____ u ya kha _____.



Miminete na awara

Deithi:

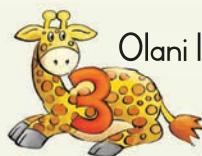


Lunanga lupfufhi lwo ima kha _____.

Lunanga lulapfu lwo ima kha _____.

Ndi _____ u rangela lunanga lulapfu lu tshi ima kha 12.

Ri ri ndi _____ u ya kha _____.

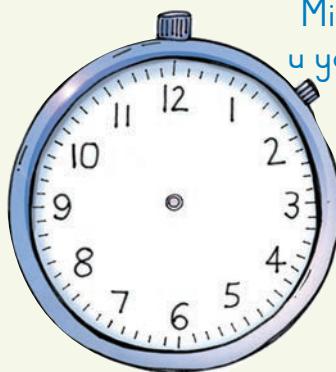


Olani lunanga lulapfu na lunanga lupfufhi.

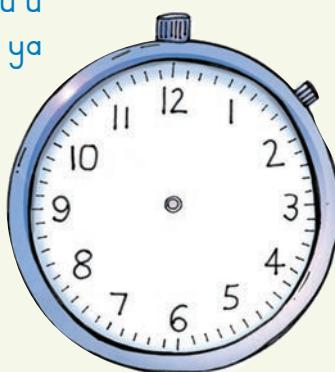
Minete mitanu u
ya kha awara
ya vhumalo.



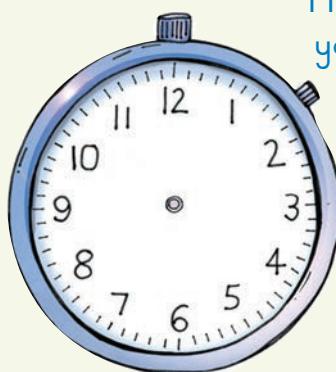
Minete ya fumbili
u ya kha awara ya
vhuraru.



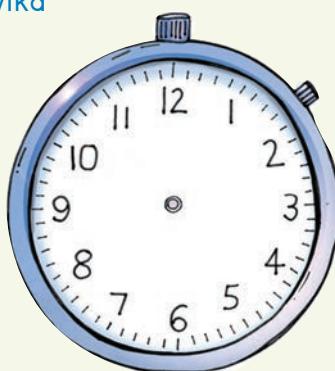
Minete mitanu u
ya kha awara ya
u thoma.



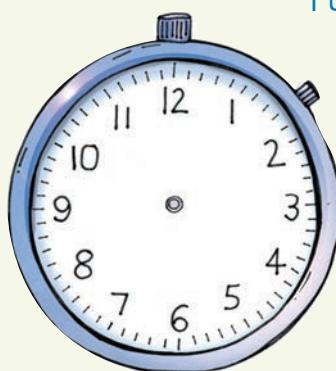
Minete ya fumi u
ya kha awara ya
rathi.



Fumiraru u swika
kha sumbe.



Fumimbili u swika
kha fumimbili.



Mułtanganyomudovhololwa (ndovhololo ya mułtanganyo)

Deithi:

Themo ya 3

Ndi na zwiputo zwa
3 zwi re na malegere
a 2 kha nthihi.



$$\begin{aligned} \text{Ndi nga i nwala sa} \\ 2 + 2 + 2 = 6 \text{ kana} \\ 3 \times 2 = 6 \end{aligned}$$



Ndi na zwiputo zwa 3
zwi re na malegere a
5 kha nthihi.



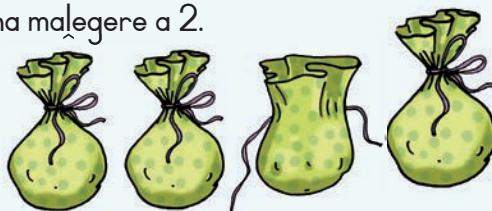
$$\begin{aligned} \text{Ndi nga i nwala sa} \\ 5 + 5 + 5 = 15 \\ \text{kana } 3 \times 5 = 15 \end{aligned}$$



Lavhelesani zwiputo zwa 3 zwi re na malegere:

- Nwalani mbalo ya u tanganya ya tshiñwe na tshiñwe.
- Nwalani mbalo ya mułtanganyo ya línwe na línwe.
- Nwalani mbalo ya muandiso ya línwe na línwe.

Tshiputo tshiñwe na tshiñwe tsho vhofhiwaho
tshi na malegere a 2.



Fhundo: zwigwada zwivhili zwa 2

Mbalo ya mułtanganyo: $2 + 2 + 2 + 2 =$ _____

Mbalo ya muandiso: $4 \times 2 =$ _____

Tshiputo tshiñwe na tshiñwe tsho vhofhiwaho
tshi na malegere a 2.

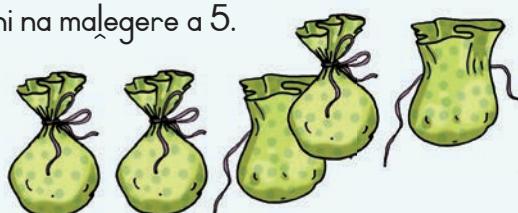


Fhundo: _____

Mbalo ya mułtanganyo: _____

Mbalo ya muandiso: _____

Tshiputo tshiñwe na tshiñwe tsho vhofhiwaho
tshi na malegere a 5.

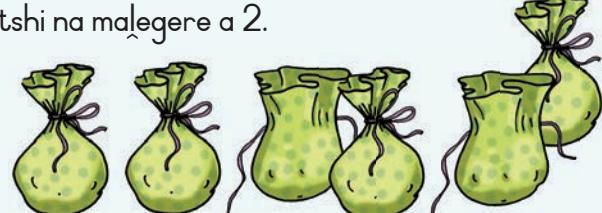


Fhundo: _____

Mbalo ya mułtanganyo: _____

Mbalo ya muandiso: _____

Tshiputo tshiñwe na tshiñwe tsho vhofhiwaho
tshi na malegere a 2.



Fhundo: _____

Mbalo ya mułtanganyo: _____

Mbalo ya muandiso: _____



2



Fhongo: zwigwada zwa 7 zwa 4

Mbalo ya mu^łanganyo:

$$4 + 4 + 4 + 4 + 4 + 4 + 4 = 28$$

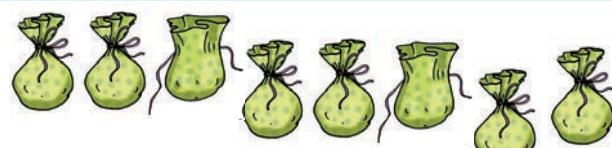
$$\text{Mbalo ya muandiso: } 7 \times 4 = 28$$



Fhongo: _____

Mbalo ya mu^łanganyo: _____

Mbalo ya muandiso: _____



Fhongo: _____

Mbalo ya mu^łanganyo: _____

Mbalo ya muandiso: _____



Fhongo: _____

Mbalo ya mu^łanganyo: _____

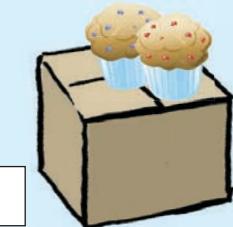
Mbalo ya muandiso: _____

3

Fhedzisani thebulu ya muandiso.

x	1	2	3	4	5	6	7	8	9	10
2				6						
4					20					
5										50

Ndi na mabogisi ma^łanu a re
na mafini mbili kha^łinwe na
li^ñwe. Hu na mafini
nngana dzo
t^łangana
dzot^łhe?



Ndi na mabogisi ma^ła a re na
khekhe dza khaphu^łhanu kha^ł
li^ñwe na li^ñwe. Hu na khekhe
dza khaphu nngana dzo
t^łangana
dzot^łhe?



Ndi na mabogisi mararu a re
na dounati n^{ña} kha^łinwe na
li^ñwe. Hu na dounati
nngana dzo
t^łangana
dzot^łhe?



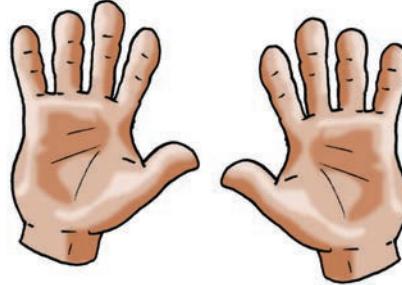
Andisani nga 5

Deithi:

Themo ya 3

Mulenzhe muthihi u na zwikunwe zwa 5.

Tshanda tshithihi tshi na minwe ya 5.

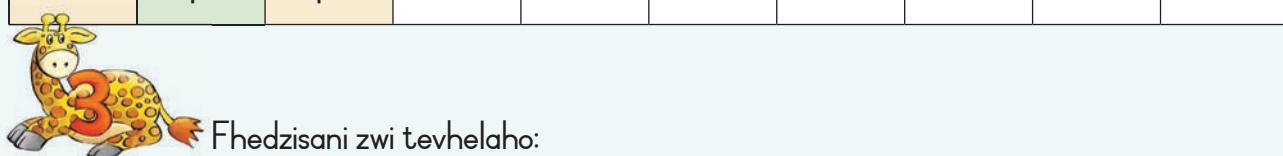
Tshivhalogute tsha zwikunwe
ndi tshifhio? Tshivhalogute tsha minwe
ndi tshifhio? 

Fhedzisani zwi tevhelaho:

Zwikunwe kha
mulenzhe muthihiMinwe kha
tshanda tshithihiZwikunwe kha
mulenzhe muthihiMinwe kha
tshanda tshithihiZwikunwe kha
mulenzhe muthihiMinwe kha
tshanda tshithihiZwikunwe kha
mulenzhe muthihiMinwe kha
tshanda tshithihi



50	45	40						
----	----	----	--	--	--	--	--	--



$15 \times 5 = \boxed{}$ $\begin{array}{r} 1 \ 0 \\ + 5 \\ \hline 1 \ 0 \end{array} \times 5$ $= \boxed{1 \ 0} + \boxed{5} \times 5$ $= \boxed{1 \ 0} \times 5 + \boxed{5} \times 5$ $= 50 + 25$ $= 75$	$12 \times 5 = \boxed{}$ $\begin{array}{r} 1 \ 0 \\ + 2 \\ \hline 1 \ 0 \end{array} \times 5$ $= \boxed{} + \boxed{} \times \boxed{}$ $= \boxed{} \times \boxed{} + \boxed{} \times \boxed{}$ $= \boxed{}$ $= \boxed{}$
--	---

$14 \times 5 = \boxed{}$ $\begin{array}{r} 1 \ 0 \\ + 4 \\ \hline 1 \ 0 \end{array} \times 5$ $= \boxed{} + \boxed{} \times \boxed{}$ $= \boxed{} \times \boxed{} + \boxed{} \times \boxed{}$ $= \boxed{}$ $= \boxed{}$	$13 \times 5 = \boxed{}$ $\begin{array}{r} 1 \ 0 \\ + 3 \\ \hline 1 \ 0 \end{array} \times 5$ $= \boxed{} + \boxed{} \times \boxed{}$ $= \boxed{} \times \boxed{} + \boxed{} \times \boxed{}$ $= \boxed{}$ $= \boxed{}$
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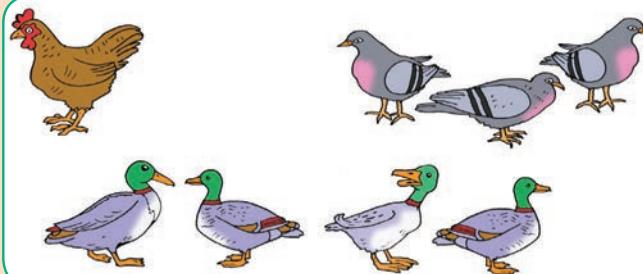


Muandiso 2

Deithi:

Themo ya 3

Zwinoni zwot̄he zwi
na milenzhe ya 2.



Zwinoni zwot̄he zwi na
phapha dza 2.

Thanganyelo ya milenzhe
tshifanyisoni itshi ndi tshifhio?

Thanganyelo ya phapha
tshifanyisoni itshi ndi tshifhio?



Lavhelesani tshifanyiso ni fhedzise zwi tevhelaho.

maivha



$$\boxed{} \times \boxed{} = \boxed{}$$

Tshivhalo tsha Milenzhe nga
maivha tshinoni

$$\boxed{} \times \boxed{} = \boxed{}$$

Tshivhalo tsha Milenzhe nga
maivha tshinoni

masekhwa



$$\boxed{} \times \boxed{} = \boxed{}$$

Tshivhalo tsha Milenzhe nga
masekwa tshinoni

$$\boxed{} \times \boxed{} = \boxed{}$$

Tshivhalo tsha Milenzhe nga
masekwa tshinoni



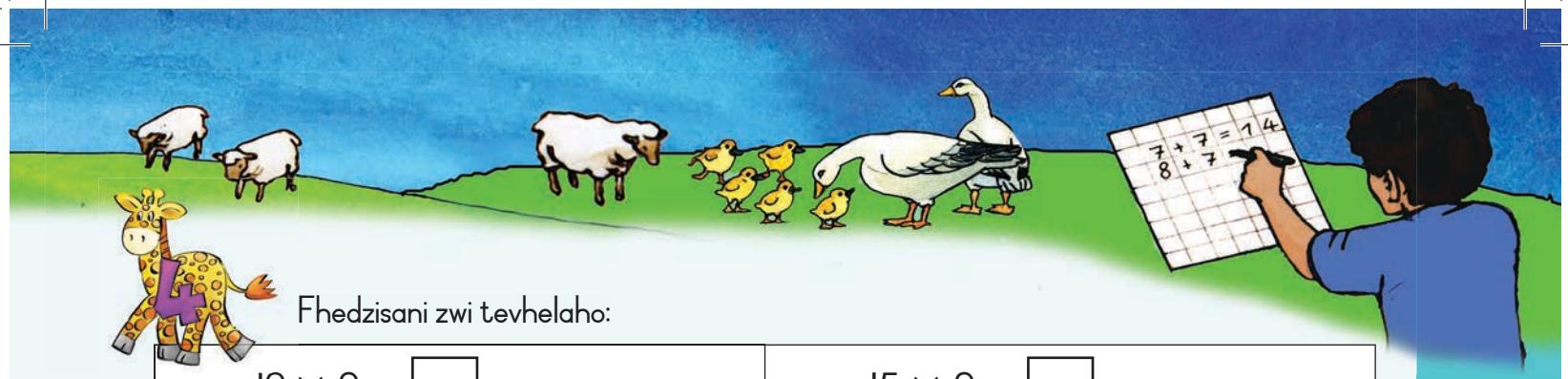
Fhedzisani zwi tevhelaho:

2	4	6							
20	18	16							



Fhedzisani zwi tevhelaho:

5 × = maapula a <input type="text"/>	4 × = miomva ya <input type="text"/>
6 × = miomva ya <input type="text"/>	7 × = maapula a <input type="text"/>



Fhedzisani zwi tevhelaho:

$$12 \times 2 = \boxed{}$$

$$\begin{array}{r} 1 \ 0 \\ \ 2 \\ \hline \end{array} \times 2$$

$$= \begin{array}{r} 1 \ 0 \\ + \ 2 \\ \hline \end{array} \times 2$$

$$= \begin{array}{r} 1 \ 0 \\ \times 2 \\ + \ 2 \\ \hline \end{array} \times 2$$

$$= 20 + 4$$

$$= 24$$



$$15 \times 2 = \boxed{}$$

$$\begin{array}{r} 1 \ 0 \\ \ 5 \\ \hline \end{array} \times 2$$

$$= \begin{array}{r} \boxed{} \\ + \ \boxed{} \\ \times \ \boxed{} \end{array}$$

$$= \begin{array}{r} \boxed{} \\ \times \ \boxed{} \\ + \ \boxed{} \\ \times \ \boxed{} \end{array}$$

$$= \begin{array}{r} \boxed{} \\ + \ \boxed{} \end{array}$$

$$= \boxed{}$$



$$2 + 2 + 2 + 2 = 8$$

kana

$$4 \times 2 = 8$$

kana

$$8 \div 2 = 4$$

Hetshi ndi
tshiga tsha
mukovho

Oiani naledzi dza 2 kha fulaga inwe na inwe.

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

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



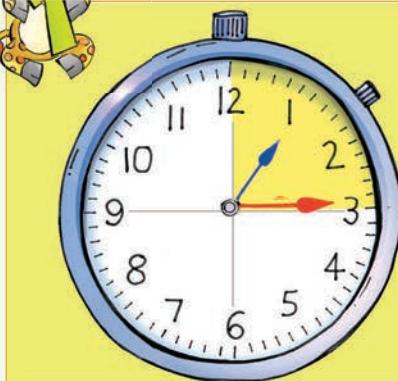
85a

Kotara u bva kha

Themo ya 3



Ambani nga watshi.



Lunanga lupfufhi lu kha di tou bva u fhira awara ya u thoma.

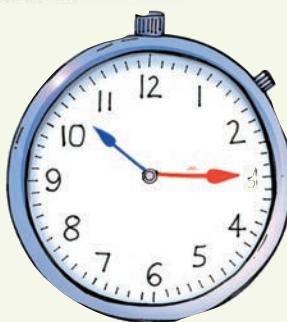
Lunanga lulapfu lwo ima kha miminete ya fumiñhanu.

Ri ri ndi kotara u bva kha awara ya u thoma.

Ri khou amba uri ndi themo ya awara (miminete ya 15)
u bva kha awara ya u thoma.



Ndi tshifhingade?



Lunanga lupfufhi lu kha di tou bva u fhira _____.

Lunanga lulapfu lwo ima kha miminete ya _____.

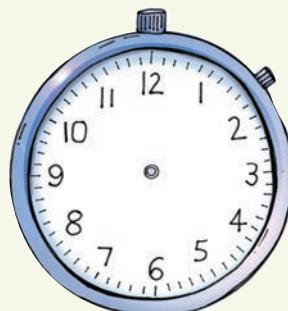
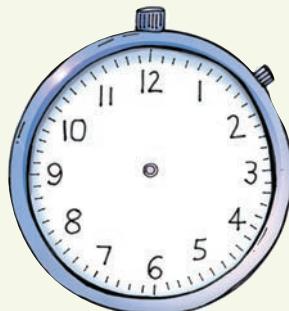
Ri ri ndi _____ u bva kha _____.

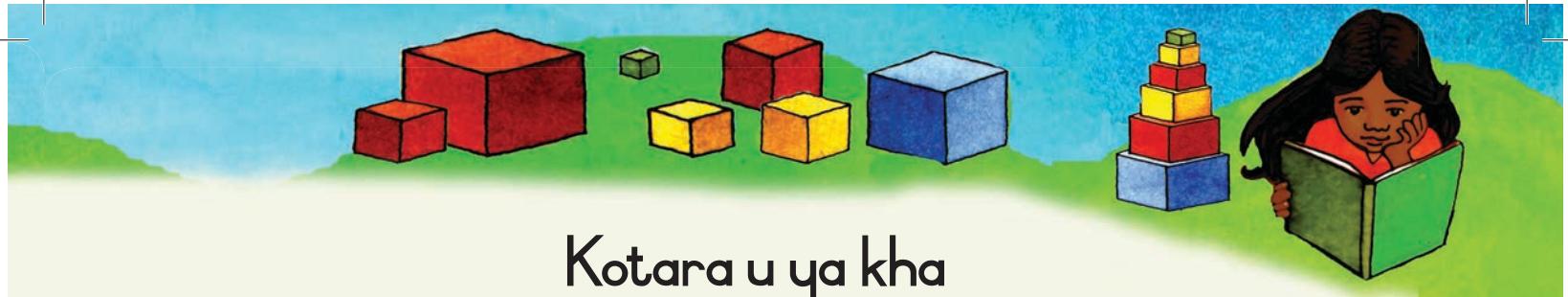


Olanu lunanga lulapfu na lunanga lupfufhi.

Kotara u bva kha 8.

Kotara u bva kha 3.

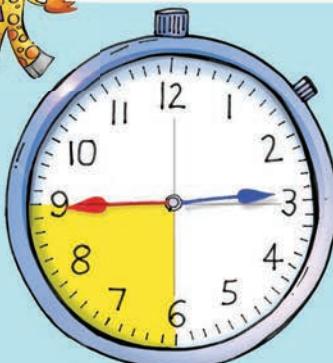




Kotara u ya kha



Ambani nga watshi.



Lunanga lupfufhi lutsinitsini na raru.

Lunanga lulapfu lwo ima kha miminete ya fuinathhanu.

Ri ri ndi Kotara u ya kha awara ya vhuraru.

Ri khou amba uri ndi themo ya awara (miminete ya 15)

u rangela kha awara ya u vhuraru.



Ndi tshifhingade?



Lunanga lupfufhi lu tsinitsini na _____.

Lunanga lulapfu lwo ima kha miminete ya _____.

Ri ri ndi _____ u ya kha _____ .

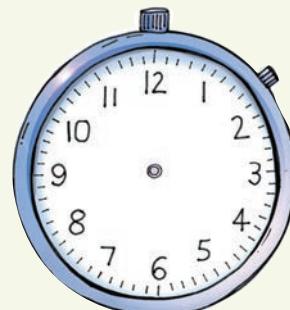


Olani lunanga lulapfu na lunanga lupfufhi.

Kotara u bva kha 4.



Kotara u bva kha 8.



85b

Tshifhinga tshi a tshimbila

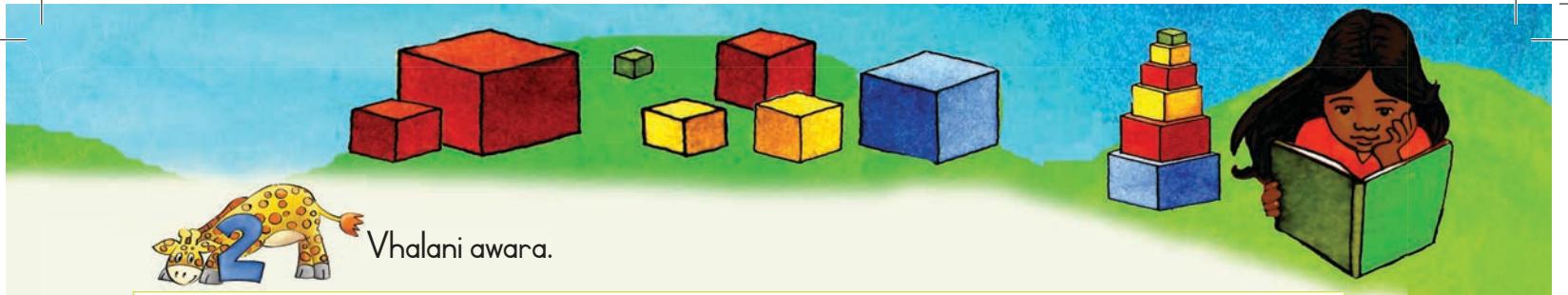
Deithi:

Themo ya 3



Zwo dzhia tshifhinga tshingafhani u ita mushumo?





2

Vhalani awara.

Hu na awara nngana u bva kha awara ya 4 u swika kha awara ya 7? _____

Hu na awara nngana u bva kha awara ya 8 u swika kha awara ya 12? _____

Hu na awara nngana u bva kha awara ya 1 u swika kha awara ya 8? _____

Hu na awara nngana u bva kha awara ya 5 u swika kha awara ya 10 ? _____

Hu na awara nngana u bva kha awara ya 2 u swika kha awara ya 11? _____



Olani tshifanyiso tsha.

Vhonani o dalela khonani yawe nga awara ya 10 nga Mugivhela nga matsheloni.
A vhuya hayani nga awara ya 3 mathabama. U vha a siho awara nngana?



Ndalamo o vha o ya u rea khovhe na khotsi awe. Vho ḫuwa nga awara ya 4
nga matsheloni vha vhuya hayani nga awara ya 10. Vho ḫuwa awara nngana?





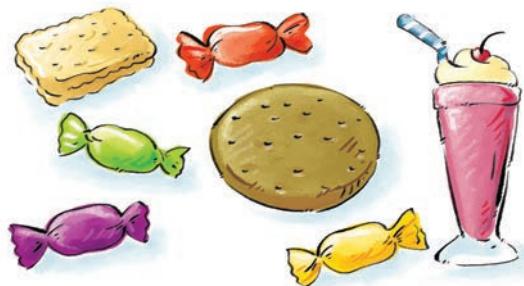
Deithi:

Themo ya 3

U inga kavhili



Lavhelesani tshifanyiso tsha u thoma na tsha vhuvhili. Ho itea mini?



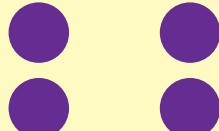
Engedzani zwithoma, ni riwale mbalo ya iñwe na iñwe.



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



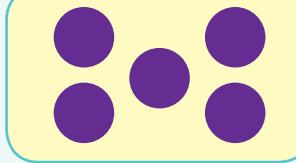
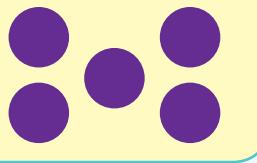
$$\boxed{} + \boxed{} = \boxed{}$$



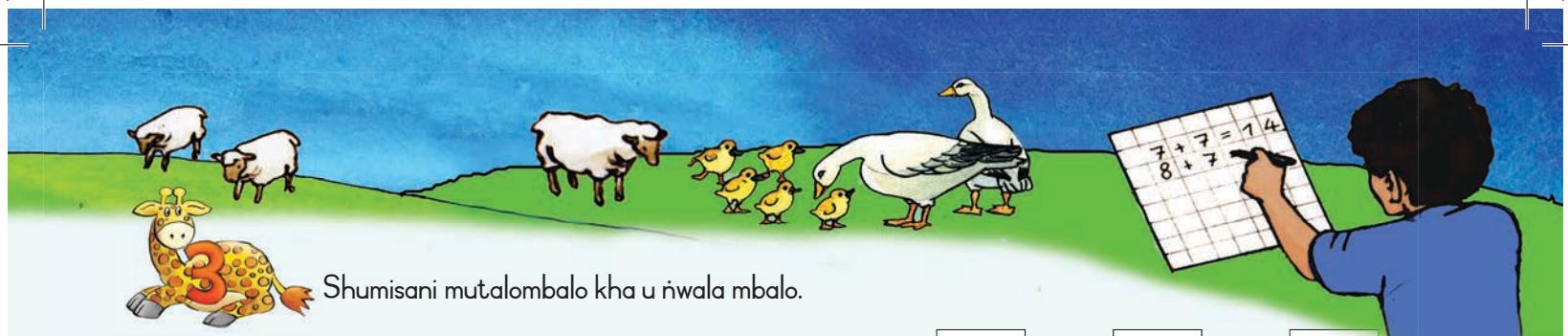
$$\boxed{} + \boxed{} = \boxed{}$$



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



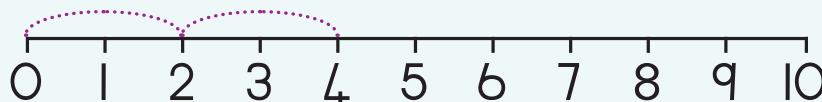
$$\boxed{} + \boxed{} = \boxed{}$$



Shumisani mutalombalo kha u nwala mbalo.



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



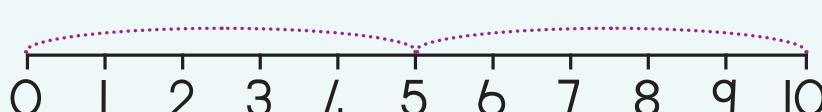
$$\boxed{} + \boxed{} = \boxed{}$$



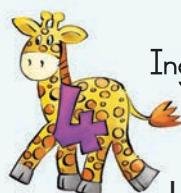
$$\boxed{} + \boxed{} = \boxed{}$$



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



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



Ingani kavhili zwi tevhelaho:

1 kavhili

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

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

2 kavhili

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

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

3 kavhili

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

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

4 kavhili

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

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

5 kavhili

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

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



2 4 6 8 10 12 14



11 12 13 14 15 16 17 18 19 20

87



U inga kavhili ha u hafula

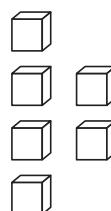
Themo ya 3



Lavhelesani zwifanyiso zwivhili. Itani tshitiori tshanu.

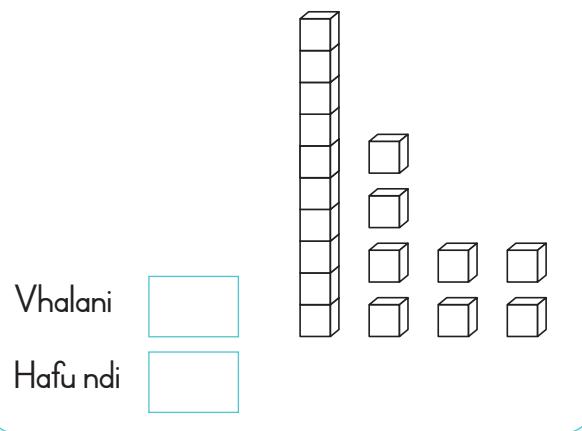


Vhalani zwithu ni khalare hafu yazwo.



Vhalani

Hafu ndi



Vhalani

Hafu ndi



Fhedzisani zwi tevhelaho ni ole tshifanyiso.

12 yo ingwa
kavhili ndi
 +



Fhedzisani

14	
<input type="text"/>	<input type="text"/>

8	
<input type="text"/>	<input type="text"/>

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

16	
<input type="text"/>	<input type="text"/>

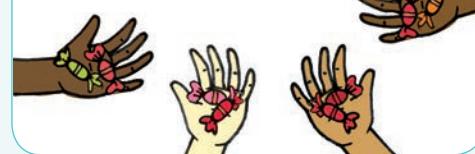
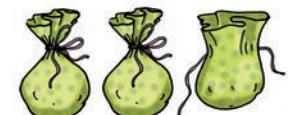
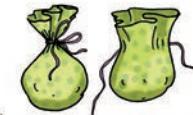
<input type="text"/>	<input type="text"/>



Lavhelesani zwifanyiso zwivhili. Itani tshitori tshanu.



5

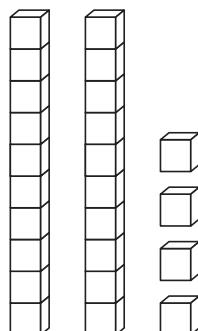


Hu na malegere a 10 phakhetheni.



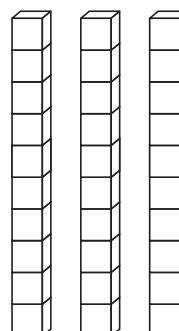
Vhalani zwithu ni khalare hafu yazwo.

Vhalani



Hafu ndi

Vhalani



Hafu ndi



Fhedzisani zwi tevhelaho ni ole tshifanyiso.

16 yo ingwa
kavhili ndi

$$\boxed{} + \boxed{}$$



Fhedzisani.

34				36	40
<input type="text"/>					

Teacher:
Sign:
Date:

11

12

13

14

15

16

17

18

19

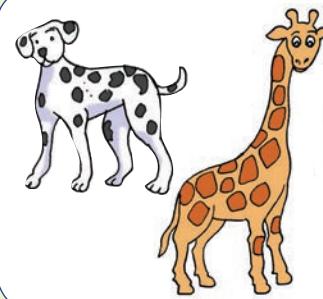
20



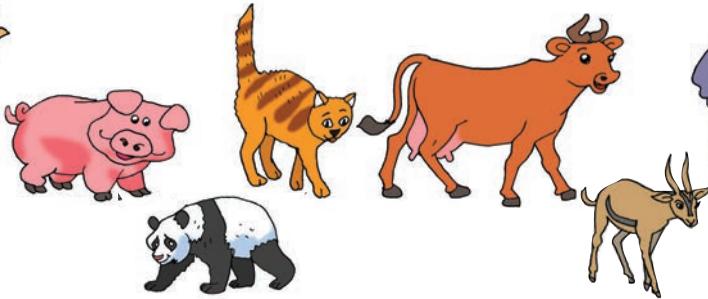
Muandiso munwe hafhu

Themo ya 3

Zwipuka zwot̄he zwi na milenzhe ya 4.



Zwipuka zwot̄he zwi na mat̄o a 2.



Tshivhalogute tsha milenzhe
tshifanyisoni itshi ndi tshifhio?

Tshivhalogute tsha ndevhe
tshifanyisoni itshi ndi tshifhio?



Lavhelesani tshifanyiso ni fhedzise zwi tevhelaho:

Mmbwa

$$\boxed{} \times \boxed{} = \boxed{}$$

Tshivhalo tsha mmbwa Milenzhe nga tshipuka

$$\boxed{} \times \boxed{} = \boxed{}$$

Tshivhalo tsha mmbwa Nd̄evhe nga tshiñoni

Tshivhalo
tsha
phukha dza
daka

$$\boxed{} \times \boxed{} = \boxed{}$$

Tshivhalo tsha phukha Milenzhe nga tshipuka

$$\boxed{} \times \boxed{} = \boxed{}$$

Tshivhalo tsha phukha Milenzhe nga tshipuka



Fhedzisani zwi tevhelaho:

4	8	12							
---	---	----	--	--	--	--	--	--	--



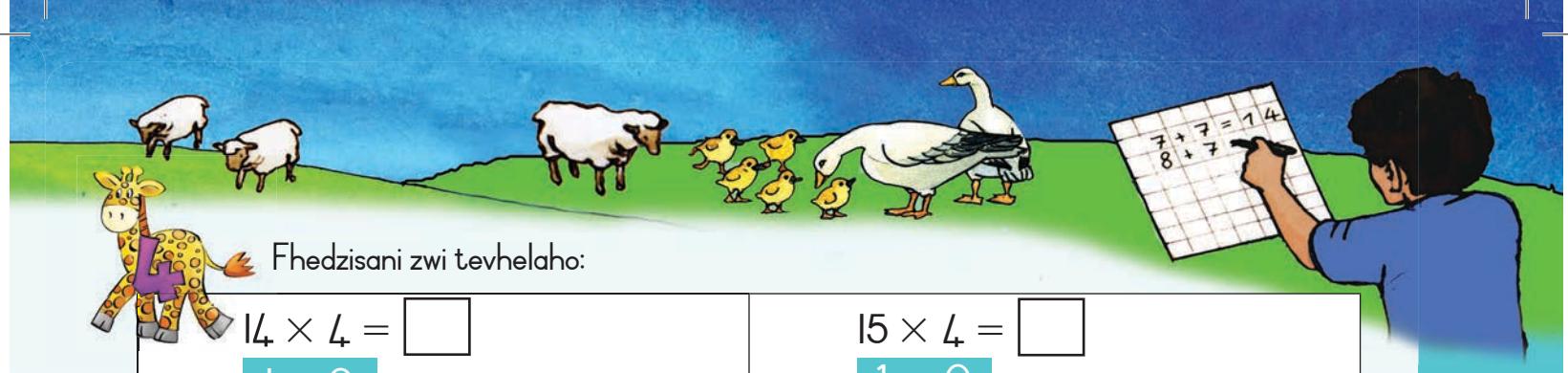
Fhedzisani zwi tevhelaho

$$5 \times \begin{array}{c} \text{apple} \\ \text{apple} \\ \text{apple} \end{array} = \text{maapula a } \boxed{}$$

$$4 \times \begin{array}{c} \text{banana} \\ \text{banana} \\ \text{banana} \\ \text{banana} \end{array} = \text{miomva ya } \boxed{}$$

$$6 \times \begin{array}{c} \text{banana} \\ \text{banana} \\ \text{banana} \\ \text{banana} \end{array} = \text{miomva ya } \boxed{}$$

$$7 \times \begin{array}{c} \text{apple} \\ \text{apple} \\ \text{apple} \end{array} = \text{maapula a } \boxed{}$$



Fhedzisani zwi tevhelaho:

$$14 \times 4 = \boxed{}$$

$$\begin{array}{r} 1 \quad 0 \\ \times 4 \\ \hline \end{array}$$

$$= \begin{array}{r} 1 \quad 0 \\ + 4 \\ \hline \end{array} \times 4$$

$$= \begin{array}{r} 1 \quad 0 \\ \times 4 \\ + 4 \\ \hline \end{array} \times 4$$

$$= 40 + 16$$

$$= 56$$



$$15 \times 4 = \boxed{}$$

$$\begin{array}{r} 1 \quad 0 \\ \times 4 \\ \hline \end{array}$$

$$= \begin{array}{r} \boxed{} \\ + \boxed{} \\ \times \boxed{} \end{array}$$

$$= \begin{array}{r} \boxed{} \\ \times \boxed{} \\ + \boxed{} \\ \times \boxed{} \end{array}$$

$$= \begin{array}{r} \boxed{} \\ + \boxed{} \end{array}$$

$$= \boxed{}$$



Khonani mbili dzi khou tamba nga sethe mbili dza u ita tie. Vha a dzi nanguludza nga murahu. Vha tea u vha na mini na mini u itela uri zwi edana?



Fhedzisani zwi tevhelaho:



Kovhelani mavhu_{lu} dza 19 vhana vha 4 nga u edana.

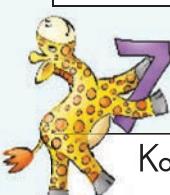
Kovhelani penisela dza 22 vhana vha 4 nga u edana.

Muriwe na muriwe u wana

Muriwe na muriwe u wana

Masalela

Masalela



Olanı tshifanyiso ni tshi sumbedza phindulo dzanu.

Kovhelani mabisikitsi a 23 vhana vha 4 nga u edana.

Kovhelani lolipop dza 15 vhana vha 4 nga u edana.

Muriwe na muriwe u wana

Muriwe na muriwe u wana

Masalela

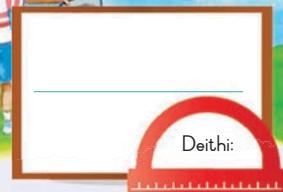
Masalela



89

Phetheni dza nomboro

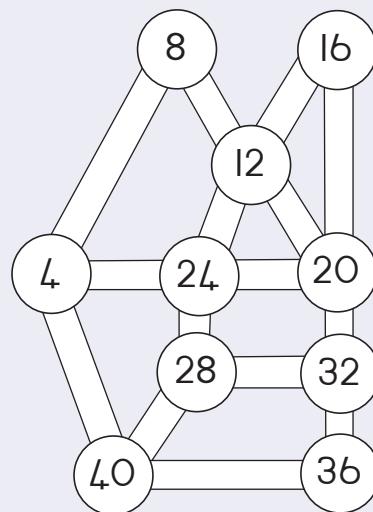
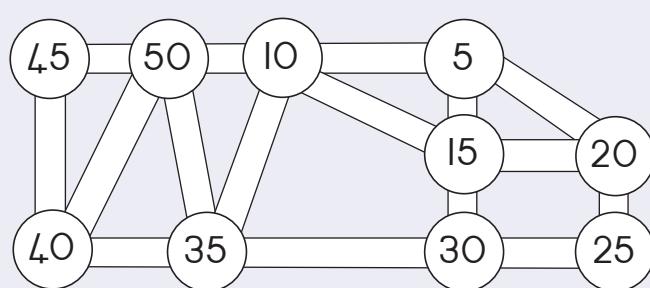
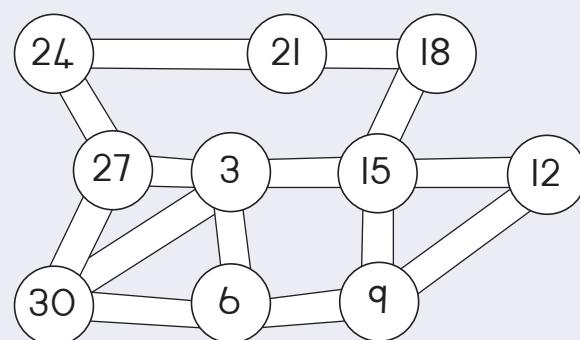
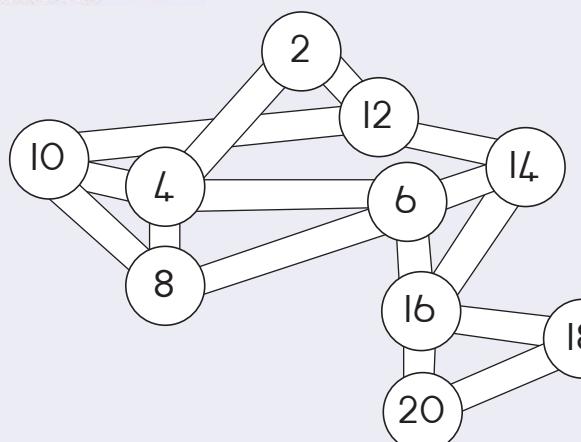
Themo ya 3



Nomboro i re kha siatari li tevhelaho i do vha ifhio?



Topolani phetheni. Olani ludila, ni thome nga nomboro tħukhusa.





Oiani mañanga kha watshi ni fhedzise phetheni dza zwifhinga.

4:20	4:25	_____ : _____	_____ : _____	_____ : _____
11:10	11:20	11:30	_____ : _____	_____ : _____
9:25	9:40	9:55	_____ : _____	_____ : _____
10:30	10:35	10:40	_____ : _____	_____ : _____
5:10	5:20	5:30	_____ : _____	_____ : _____



Teacher:
Sign:
Date:

90



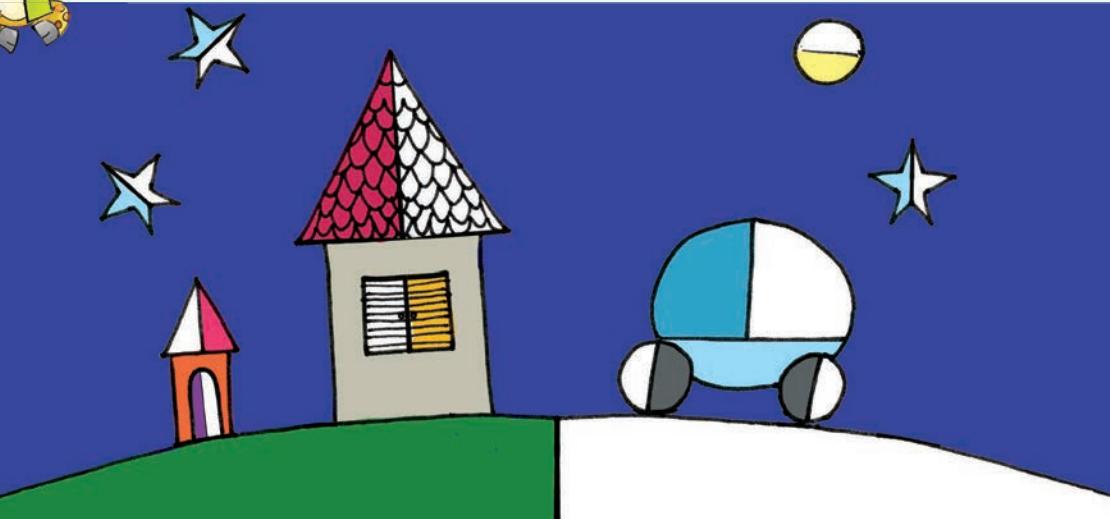
Furakhisheni (zwipida) – hafu

Deithi:

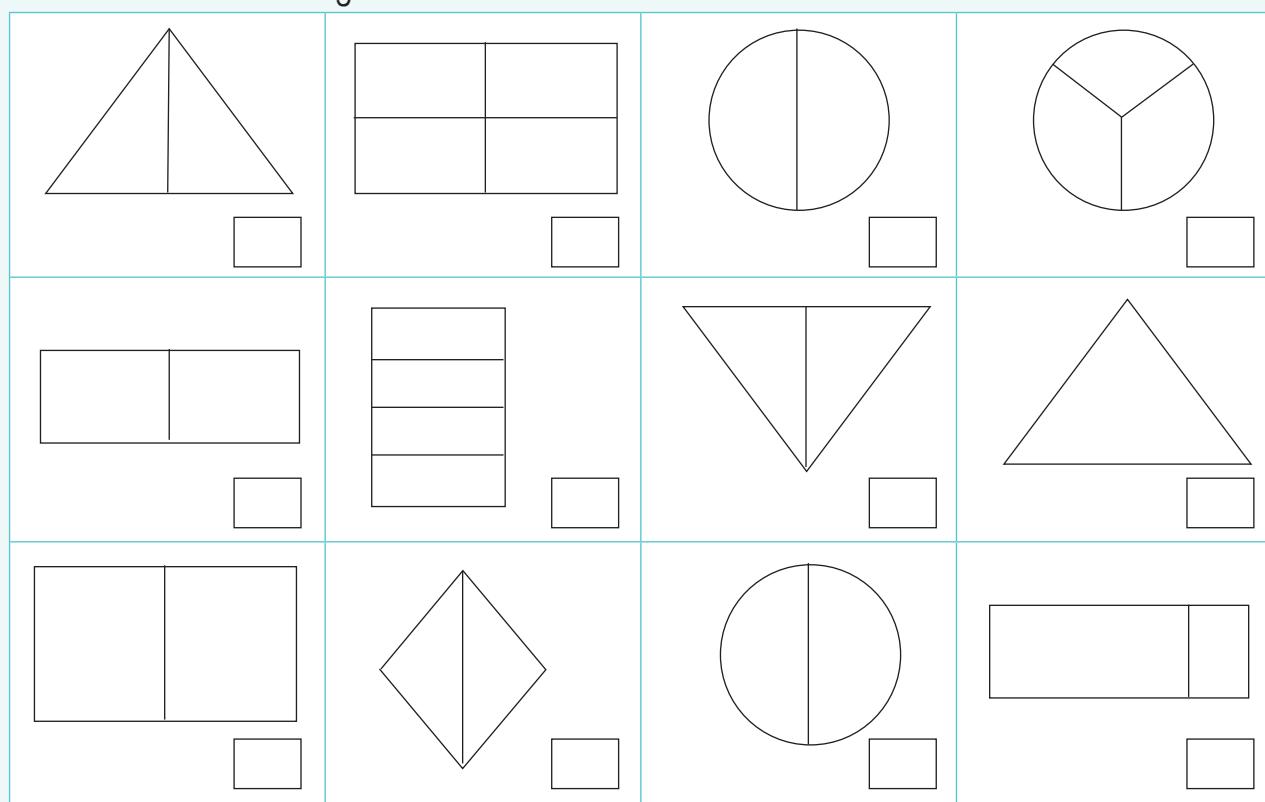
Themo ya 3



Lavhelesani tshifanyiso. Khalarani dzila dzinwe hafu nga muvhala u no fana.

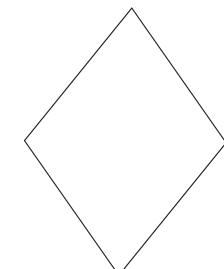
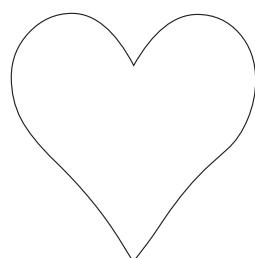
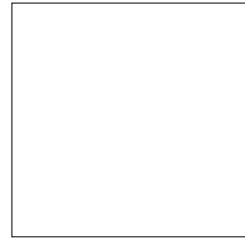
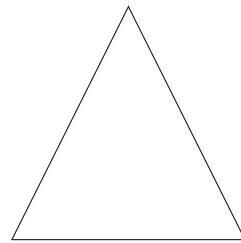
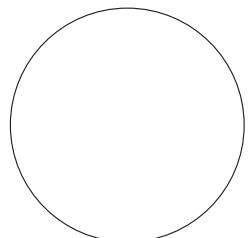


Lavhelesani tshifanyiso. Nwalani thiki kha zwivhumbeo zwi no sumbedza hafu. Khalarani hafu nthihi ya tshivhumbeo tshiinwe na tshiinwe tshe tsha fhandukanywa tsha bva dzihafu.

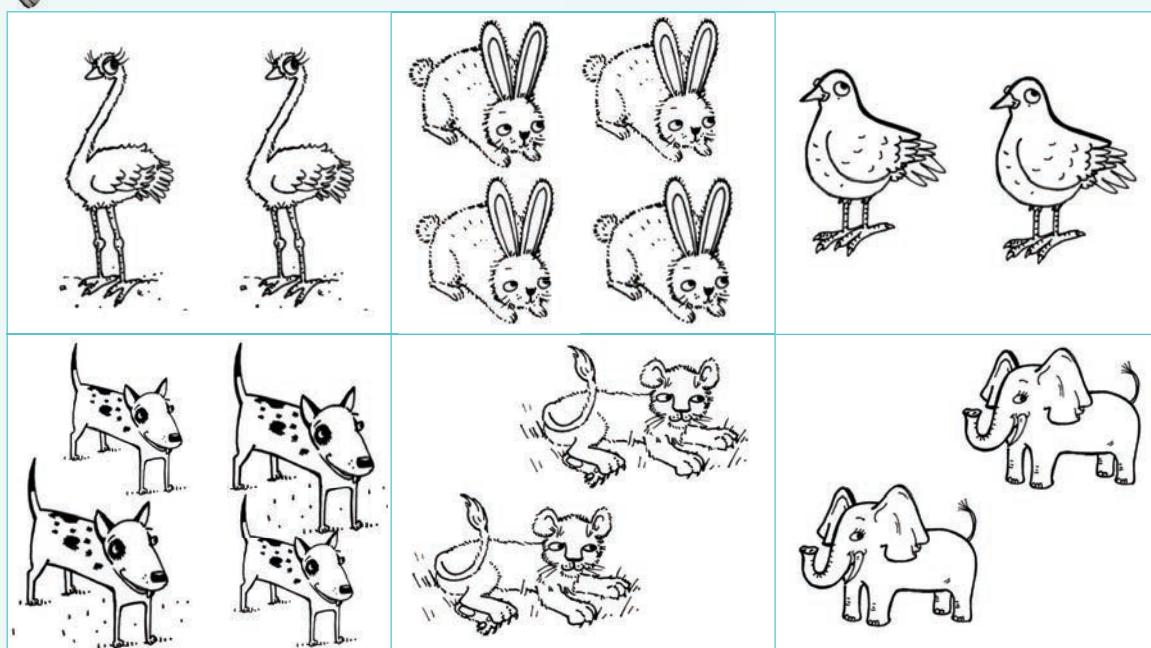




Khalarani hafu ya tshivhumbeo tshiñwe na tshiñwe.



Khalarani hafu ya zwipuka zwi re kha tshibuloko tshiñwe na tshiñwe



hafu hafu hafu hafu



Teacher:

Sign:

Date:

q|



Furakhisheni – hafu dzinwe hafhu

Themo ya 3



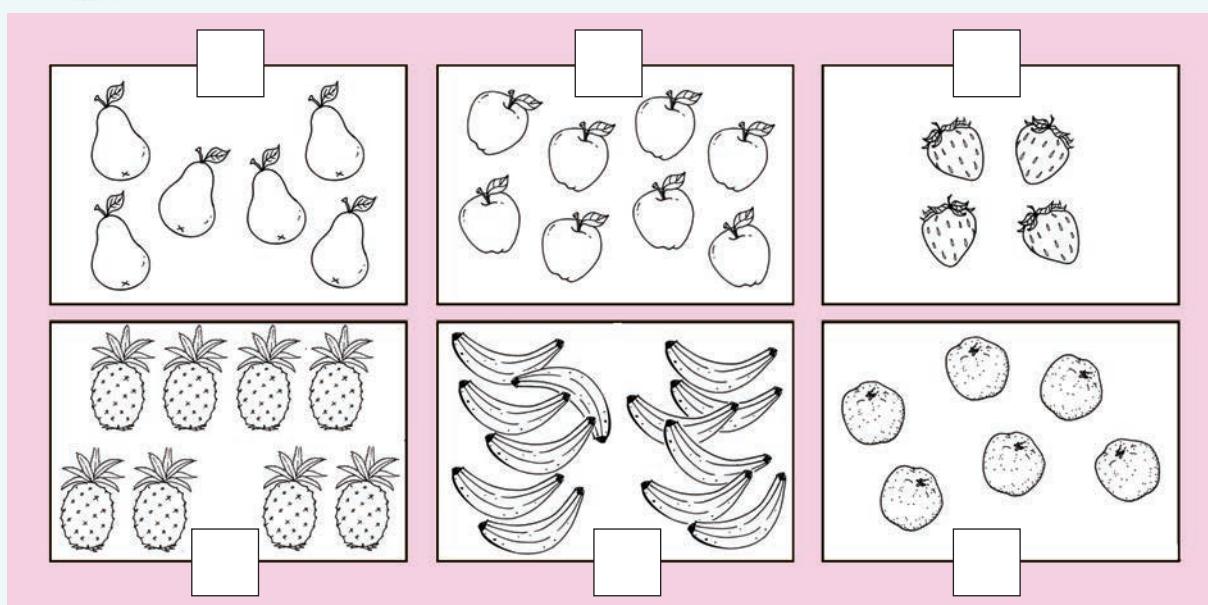
Lavhelesani tshifanyiso. $\frac{1}{2}$ i amba mini?

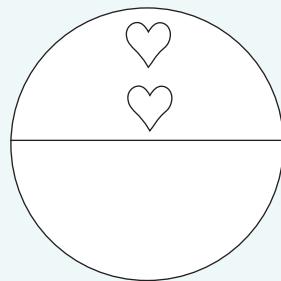
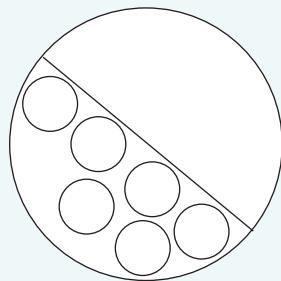
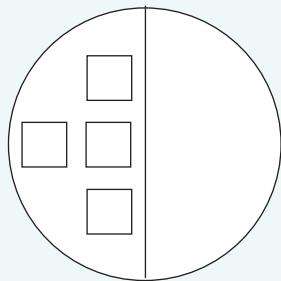
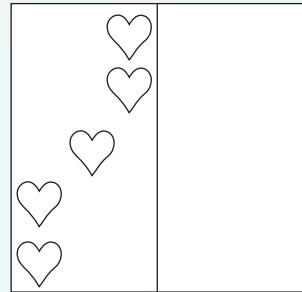
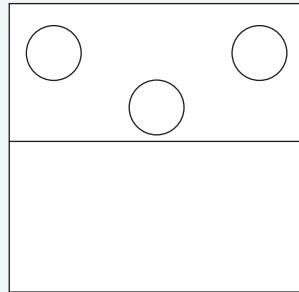
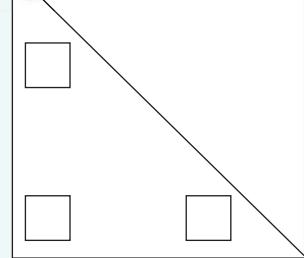
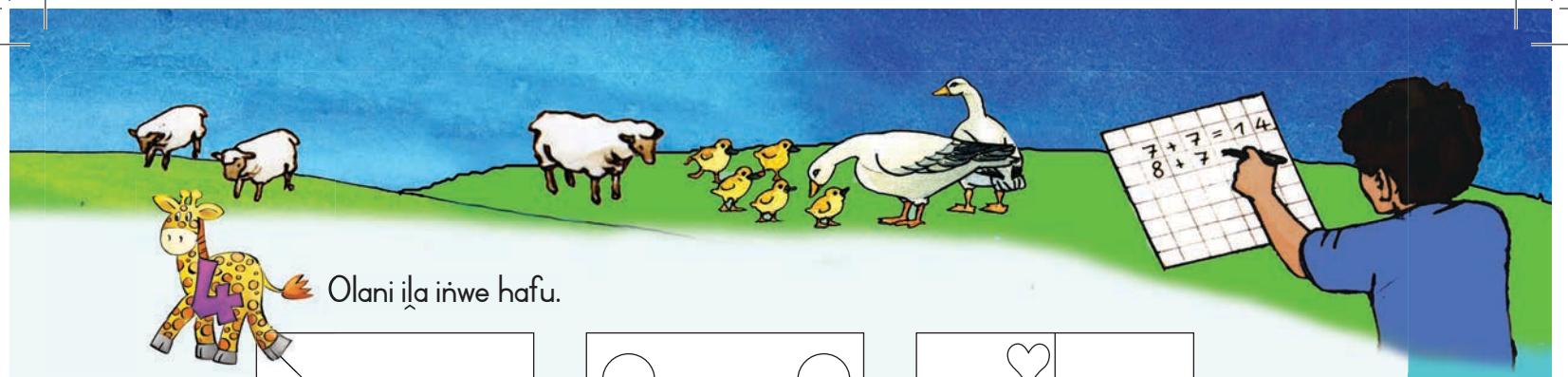


Hafu nthihi ya maapula a re murini ndi .

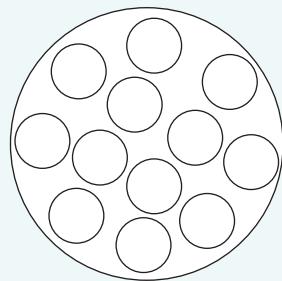
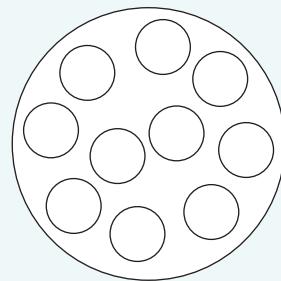
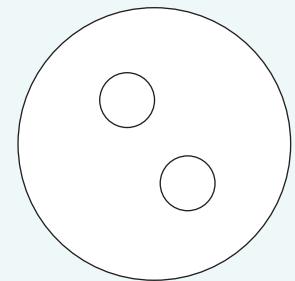
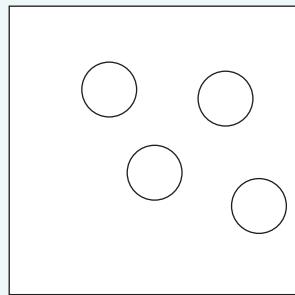
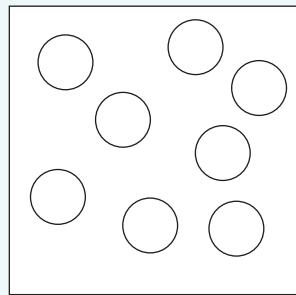
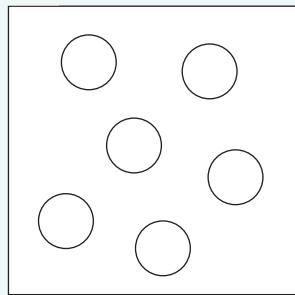


Khalarani hafu ya mitshelo kha tshigwada tshiñwe na tshiñwe.
Hafu ya tshivhalo tsha mitshelo i re kha tshigwada tshiñwe na tshiñwe ndi ifhio?





Khalarani hafu ya zwivhumbeo.



hafu hafu hafu hafu



q2



Vhuimo na mbonalo

Deithi:

Themo ya 3

Tshinoni tsho ima ngafhi? Maipfi e na newa a do ni thusa.



Mbonalo ya nga phanda ya tshifhatso.

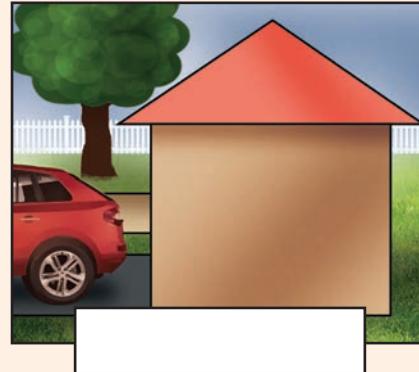
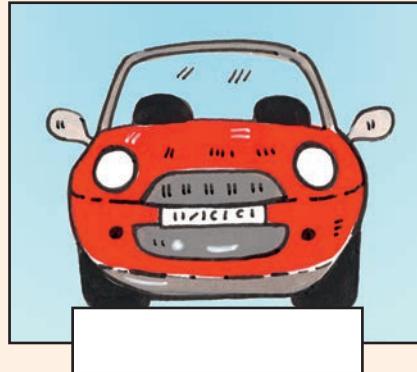
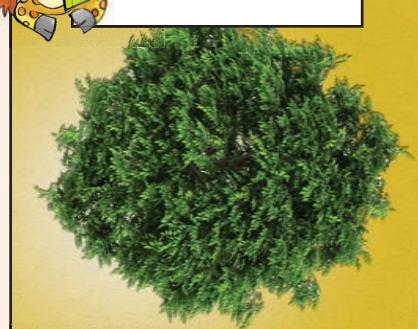


Mbonalo ya nga matungo ya tshifhatso.



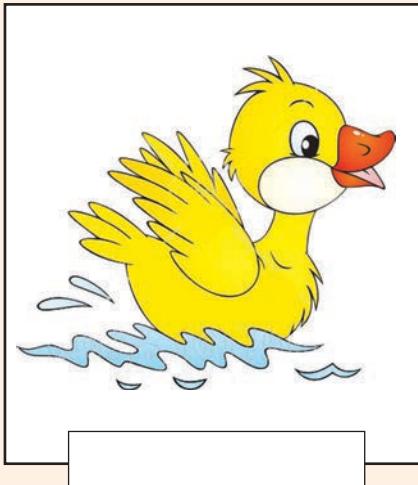
Mbonalo ya nga nthha ya tshifhatso.

Uyu muthu o vha o ima ngafhi musi a tshi vhona itshi tshithu?

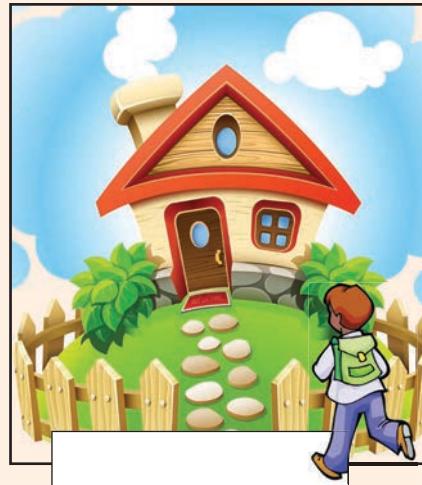


Nwalani maipfi aya kha tshifanyiso. Uyu muthu u khou vhona mini?

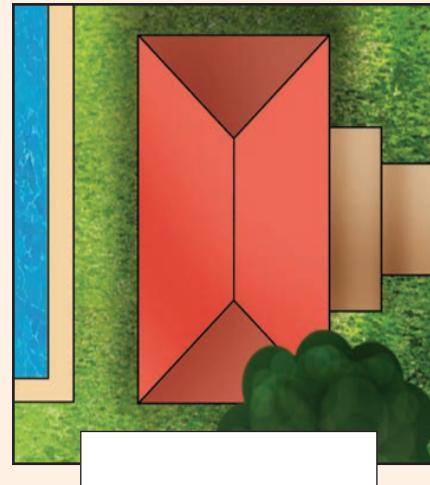
mbonalo ya nga phanda



mbonalo ya nga nthha

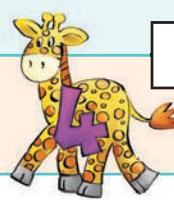


mbonalo ya nga matungo





Bulani uri modoro u tsini kana u kule na mutukana naa.



Olani muri u tsini kana kule na musidzana.



tsini



kule



Itani nyito iyi:

- Lavhelesani zwithu zwivhili nga maṭo vhuvhili hao. Ni vhone mini?
- Thivhani ḥiṭo ḥithihi nga tshanda, zwino ni vho vhona mini?



11

12

13

14

15

16

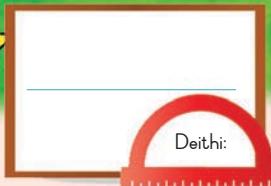
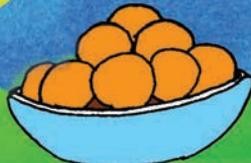
17

18

19

20

q3

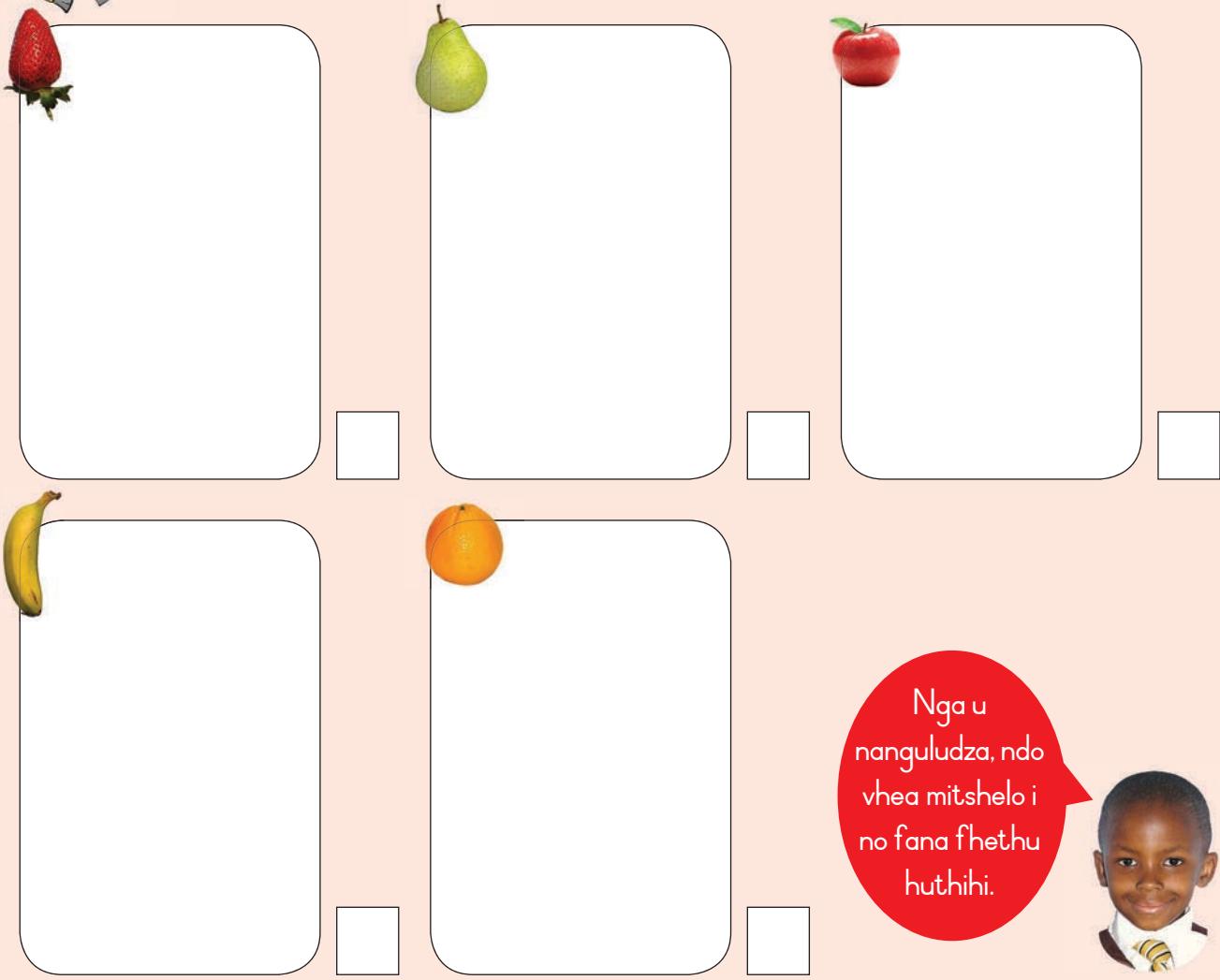


Data iñwe haf hufuhaf hu

Themo ya 3



Nanguludzani mitshelo. Olani nyolo yanu ya u zwi sumbedza. Nwalani thanganyelo tshibogisini.



Nga u
nanguludza, ndo
vhea mitshelo i
no fana fhethu
huthihi.





Olani phikhithogirafu ya mitshelo yo nanguludzwaho.

KHII:





Sedzani mitshelo ni fhindule mbudziso.

Fhindulani mbudziso:

Ndi mutshelo ufhio u re munzhi?

Ndi mutshelo ufhio u re mutuku?



94a



Deithi:

Furakhisheni – dzikota

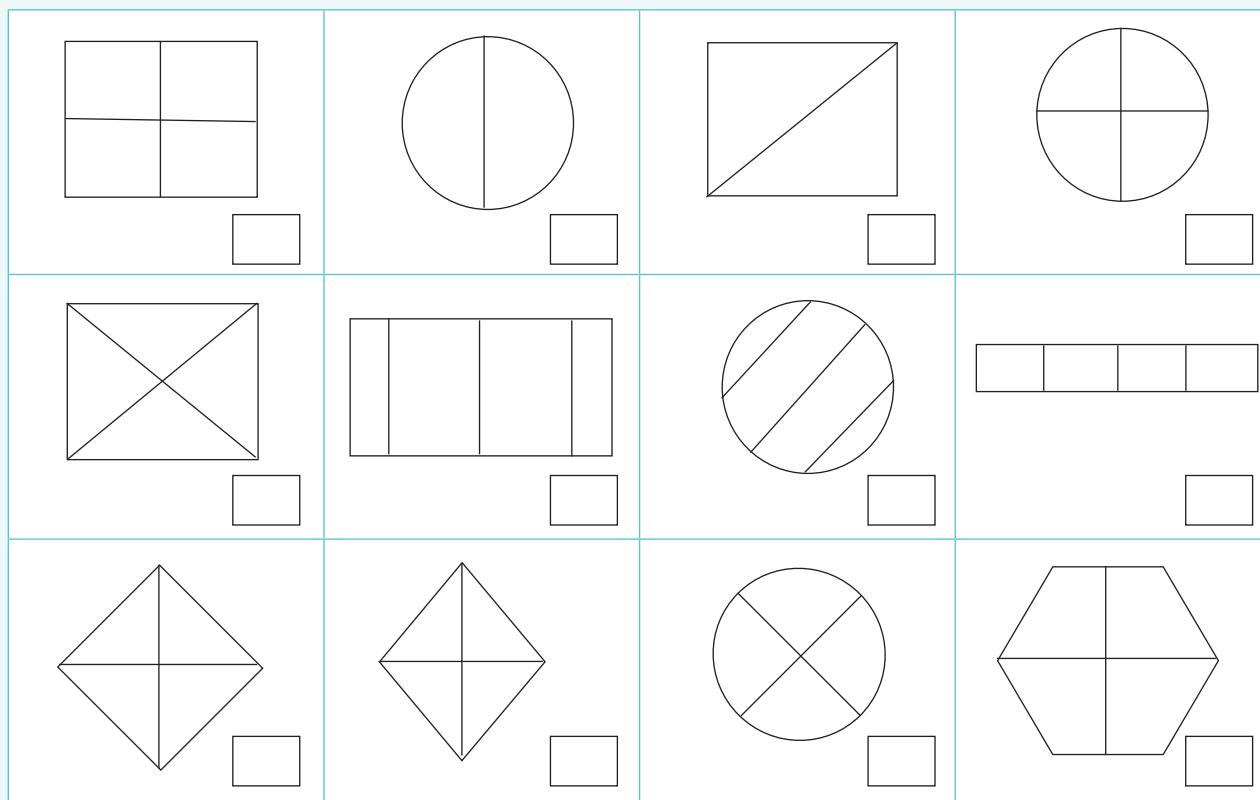
Themo ya 3

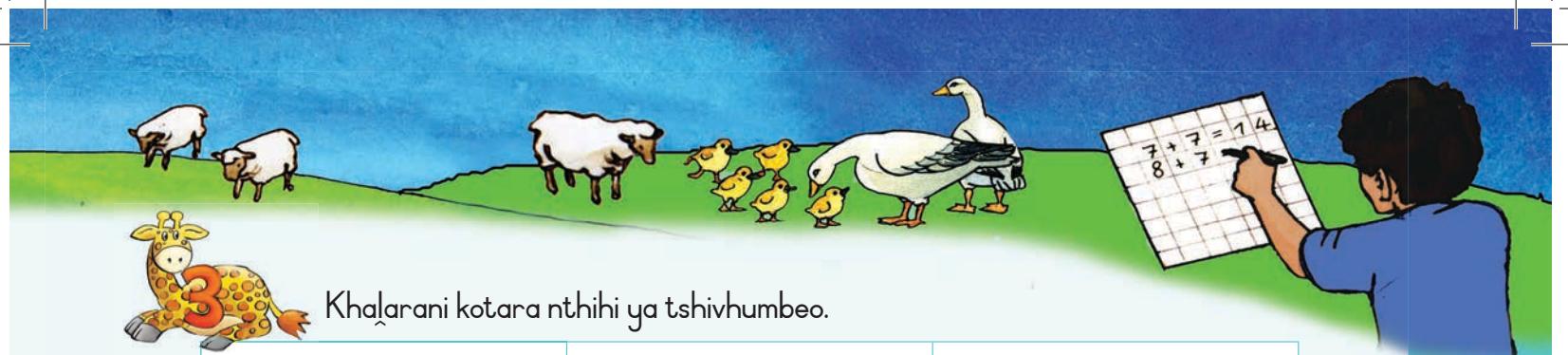


Khalarani kota ya u fhedza nga muvhala muthihi.

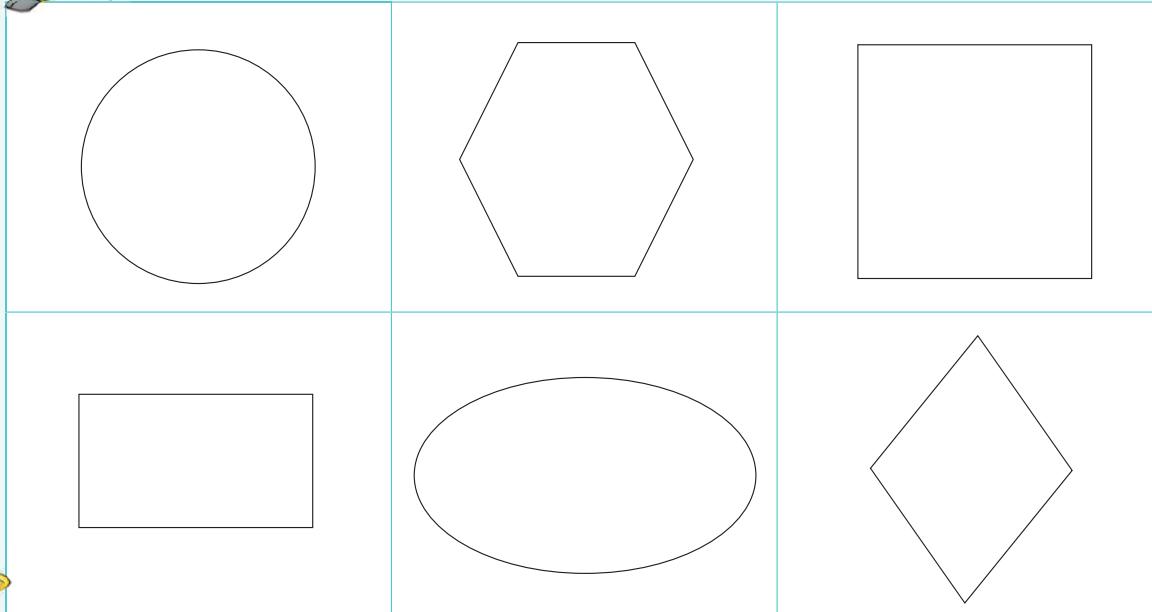


Nwalani thiki kha zwivhumbeo zwi no sumbedza dzikota. Khalarani kota nthihi ya tshivhumbeo tshiñwe na tshiñwe tshe tsha fhandulwa tsha bva dzikota.

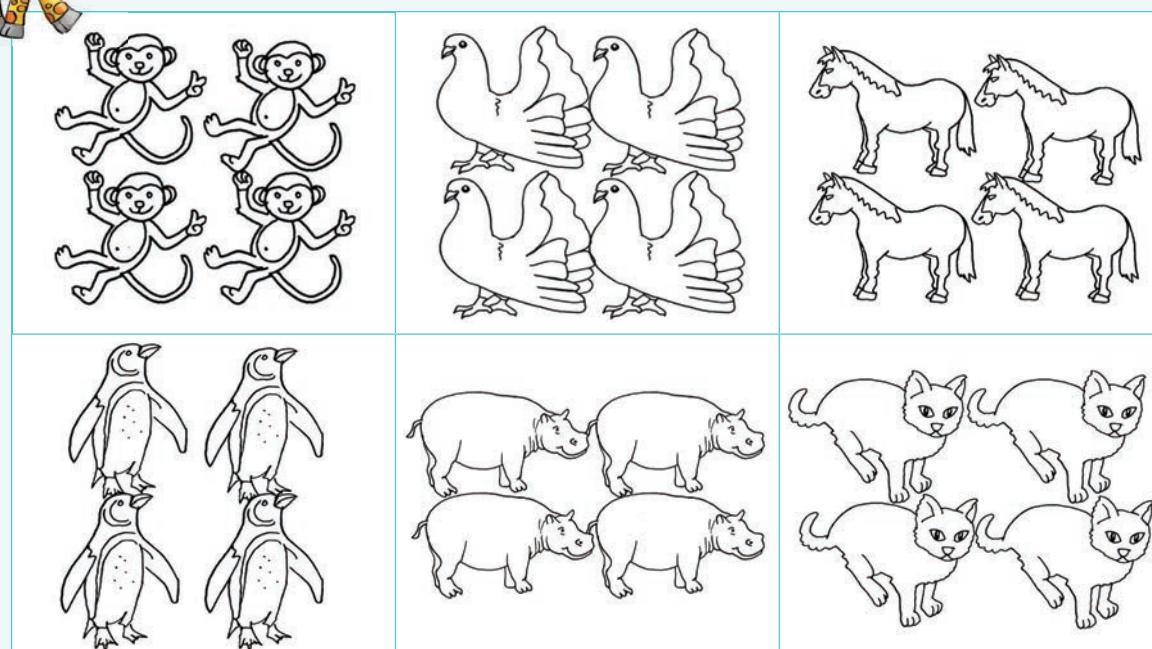




Khalarani kotara nthihi ya tshivhumbeo.



Khalarani kota nthihi ya tshigwada tshinwe na tshinwe tsha zwipuka.

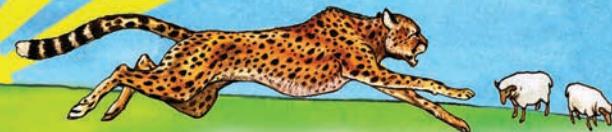


kota kota kota



Teacher: _____
Sign: _____
Date: _____

94b



Deithi:

Furakhisheni – kota dziñwe hafhu



Khalarani kota ya u fhedza nga muvhala muthihi.

Themo ya 3



Fhindulani zwi tevhelaho:

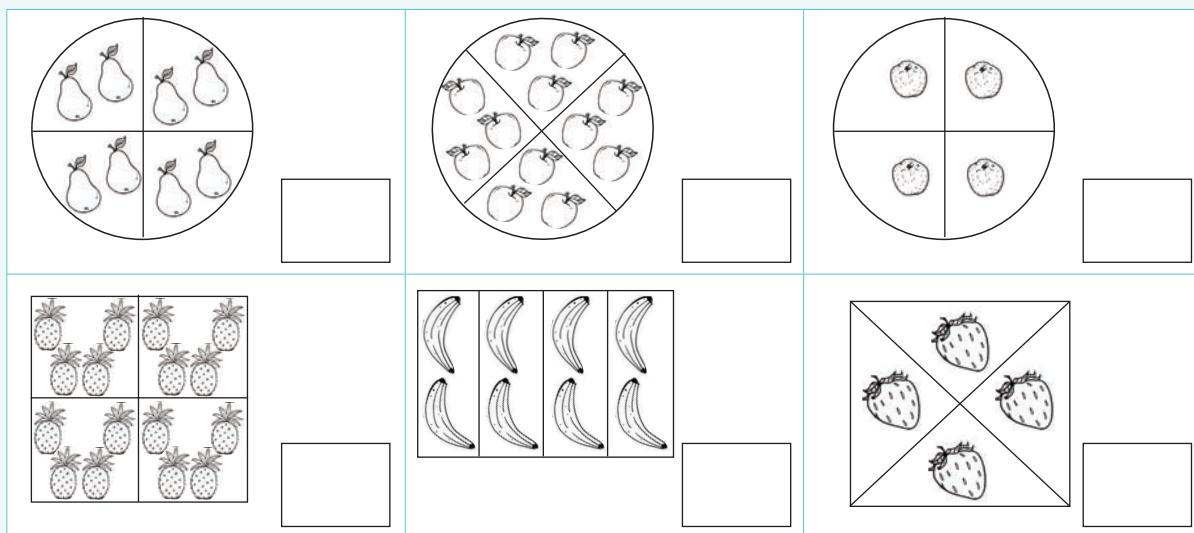
kota nthihi ya mapiere a re murini ndi _____.

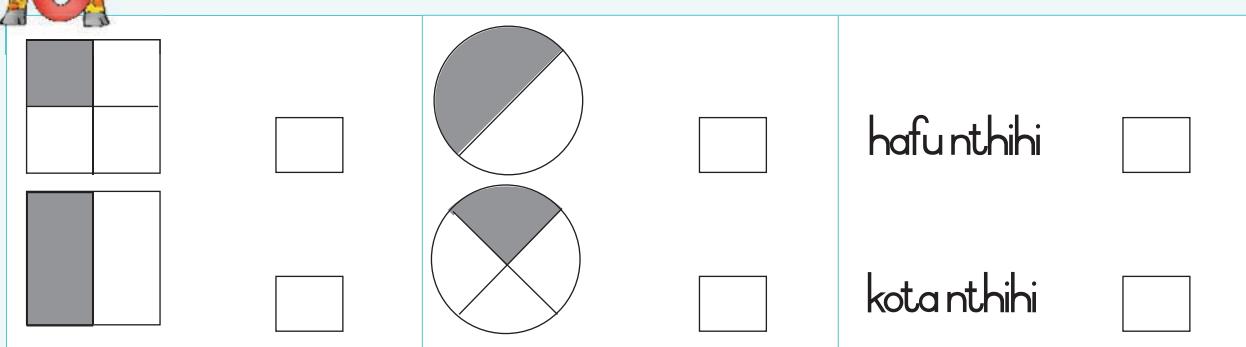
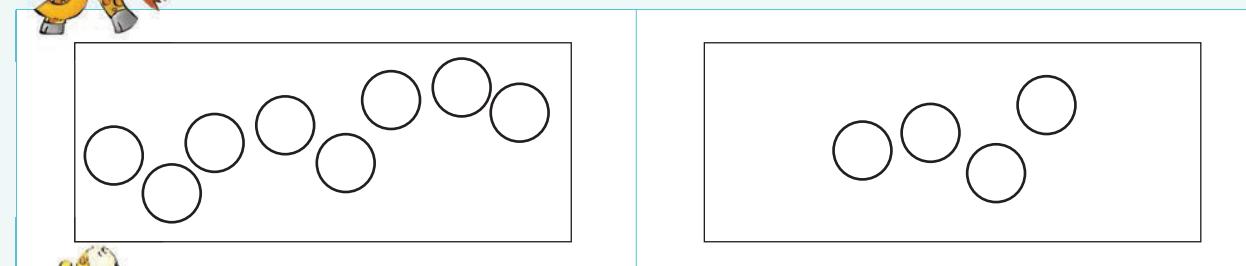
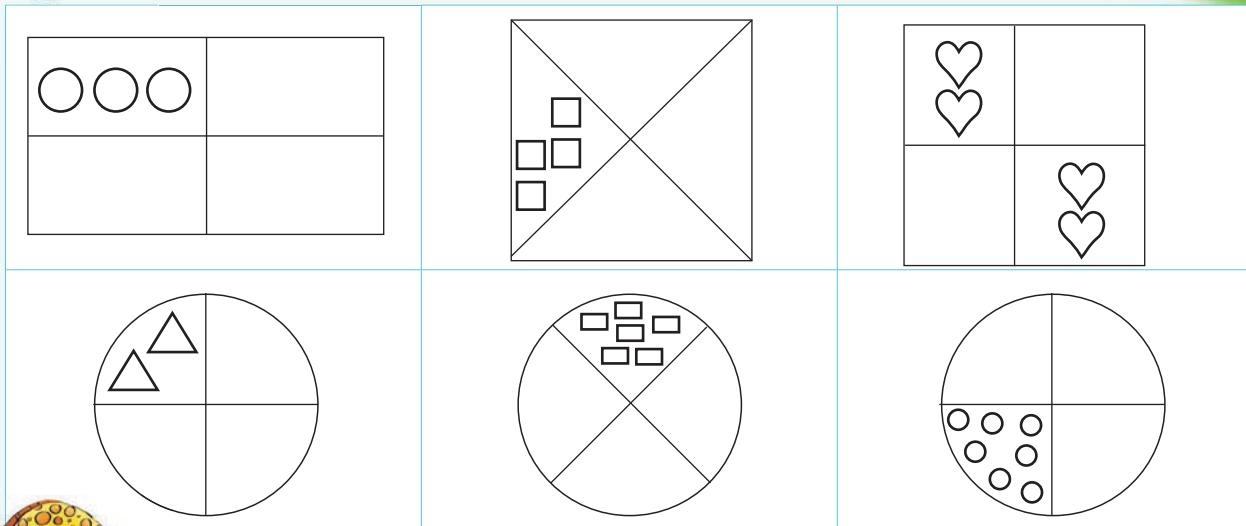
kota nthihi ya maapula a re murini ndi _____.

kota nthihi ya maswiri a re murini ndi _____.



Khalarani $\frac{1}{4}$ nthihi ya mitshelo tshigwadani tshiñwe na tshiñwe. Themo ya tshivhalo tsha mitshelo kha tshigwada tshiñwe na tshiñwe ndi vhugai?





kota kota



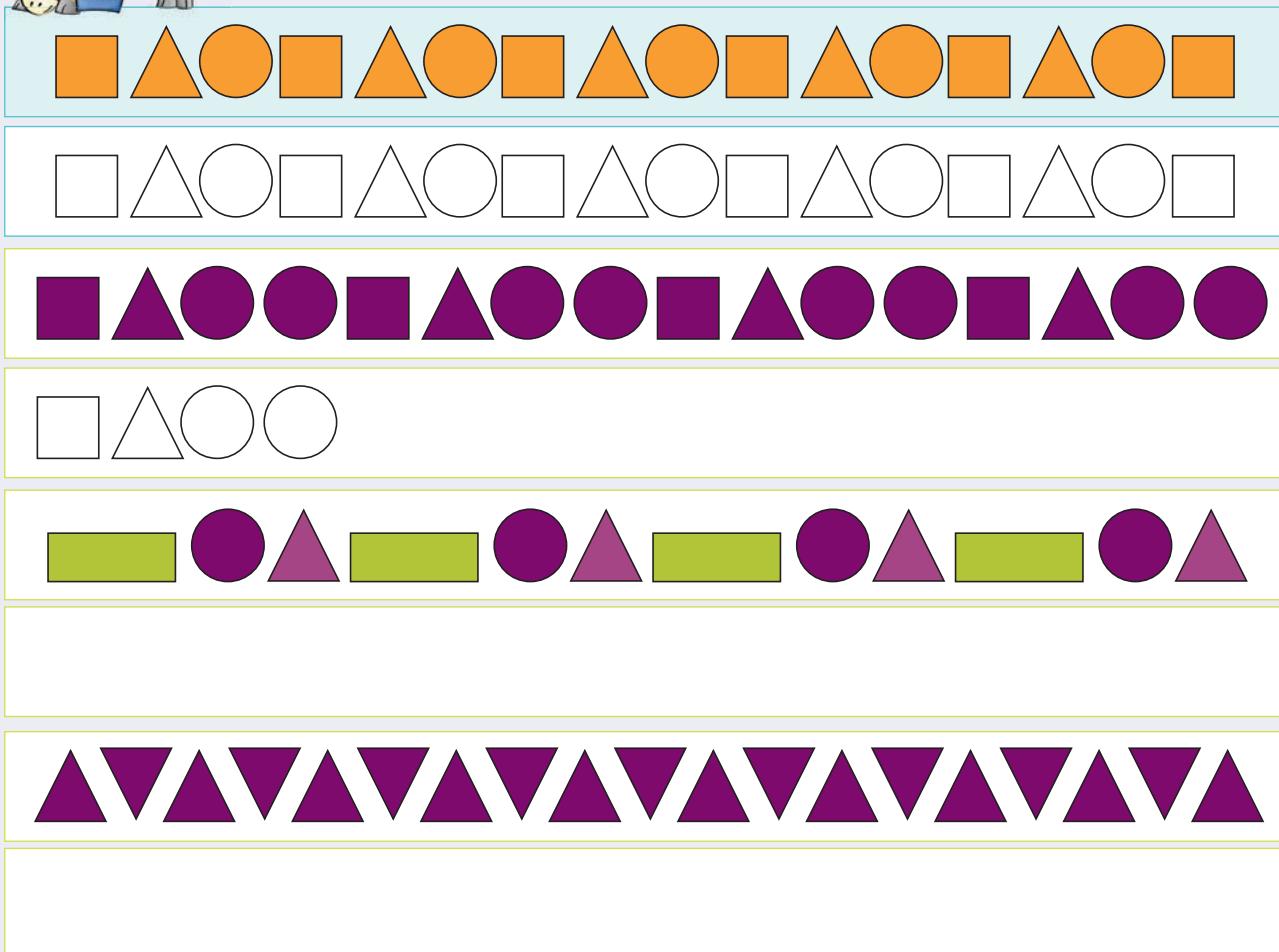
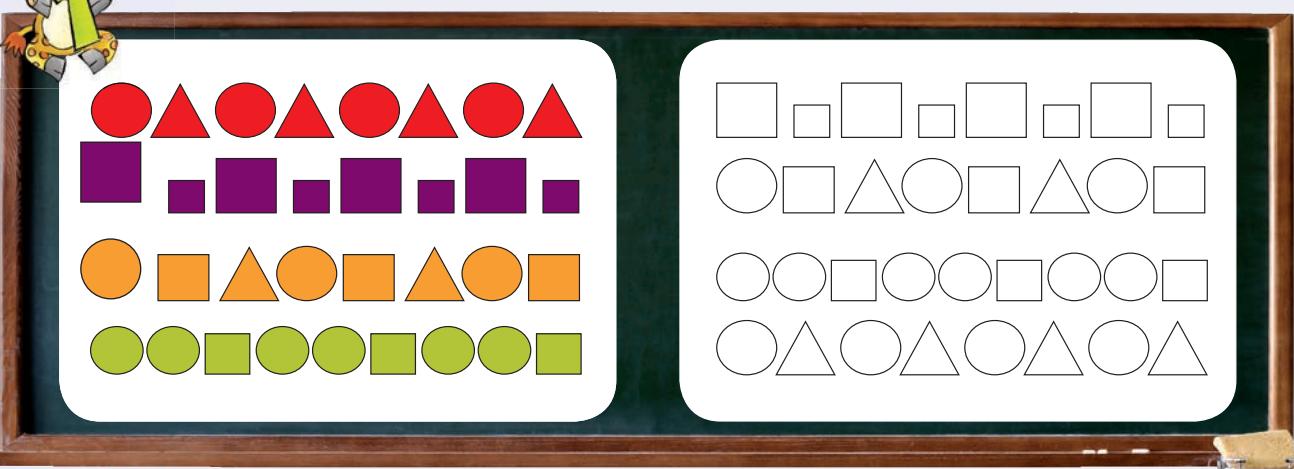
Teacher: _____
Sign: _____
Date: _____

95

Nomborani phetheni nga zwivhumbeo

Themo ya 3

Livhanyani phetheni.

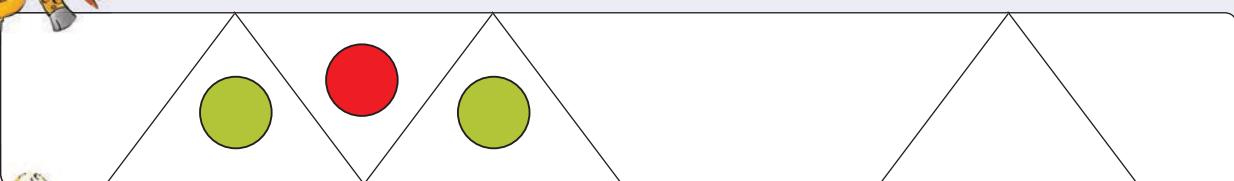




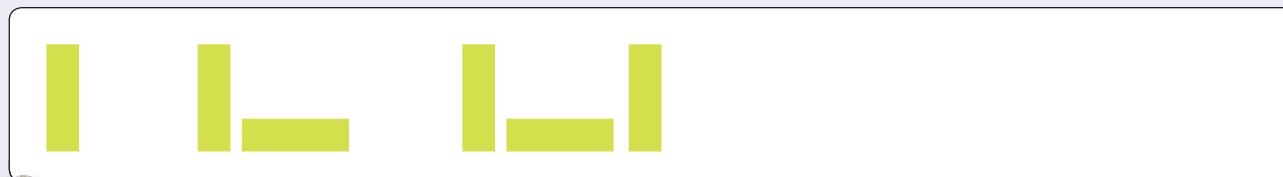
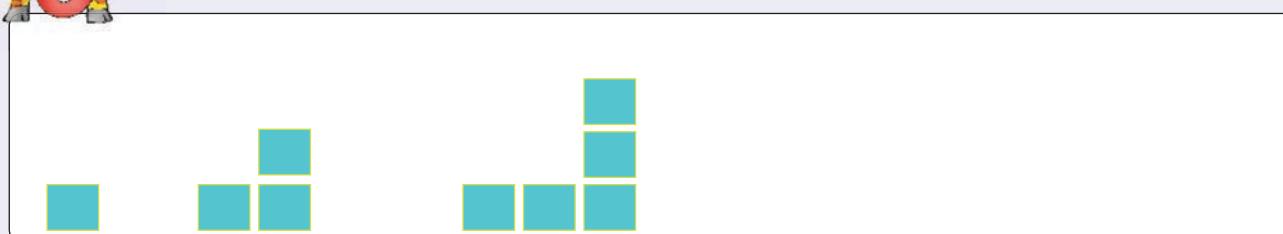
Olani phetheni i no tevhela.



Tharamudzani phetheni.



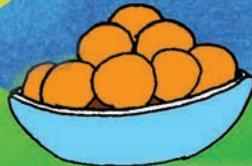
Olani phetheni i no tevhela.



Olani phetheni yanu inwi munē.



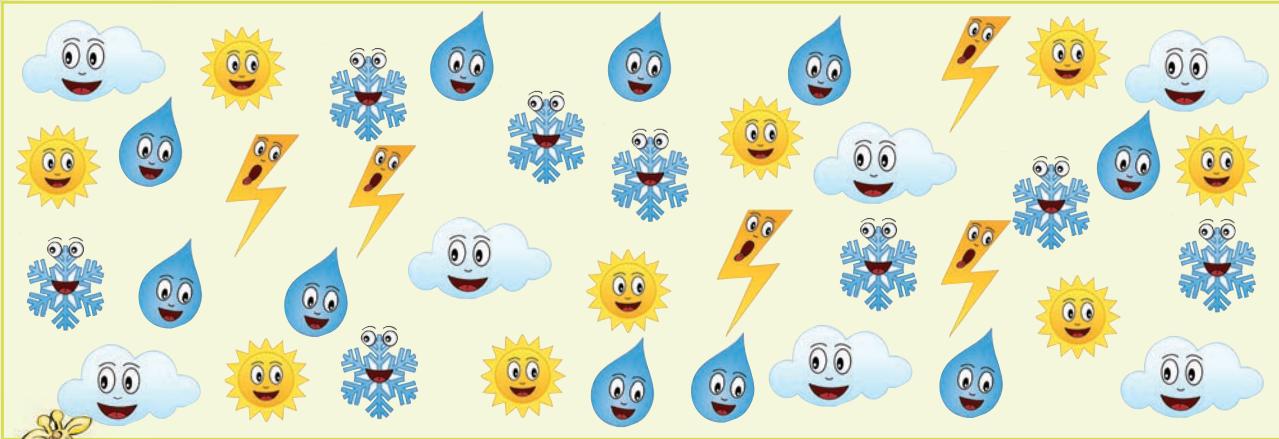
96



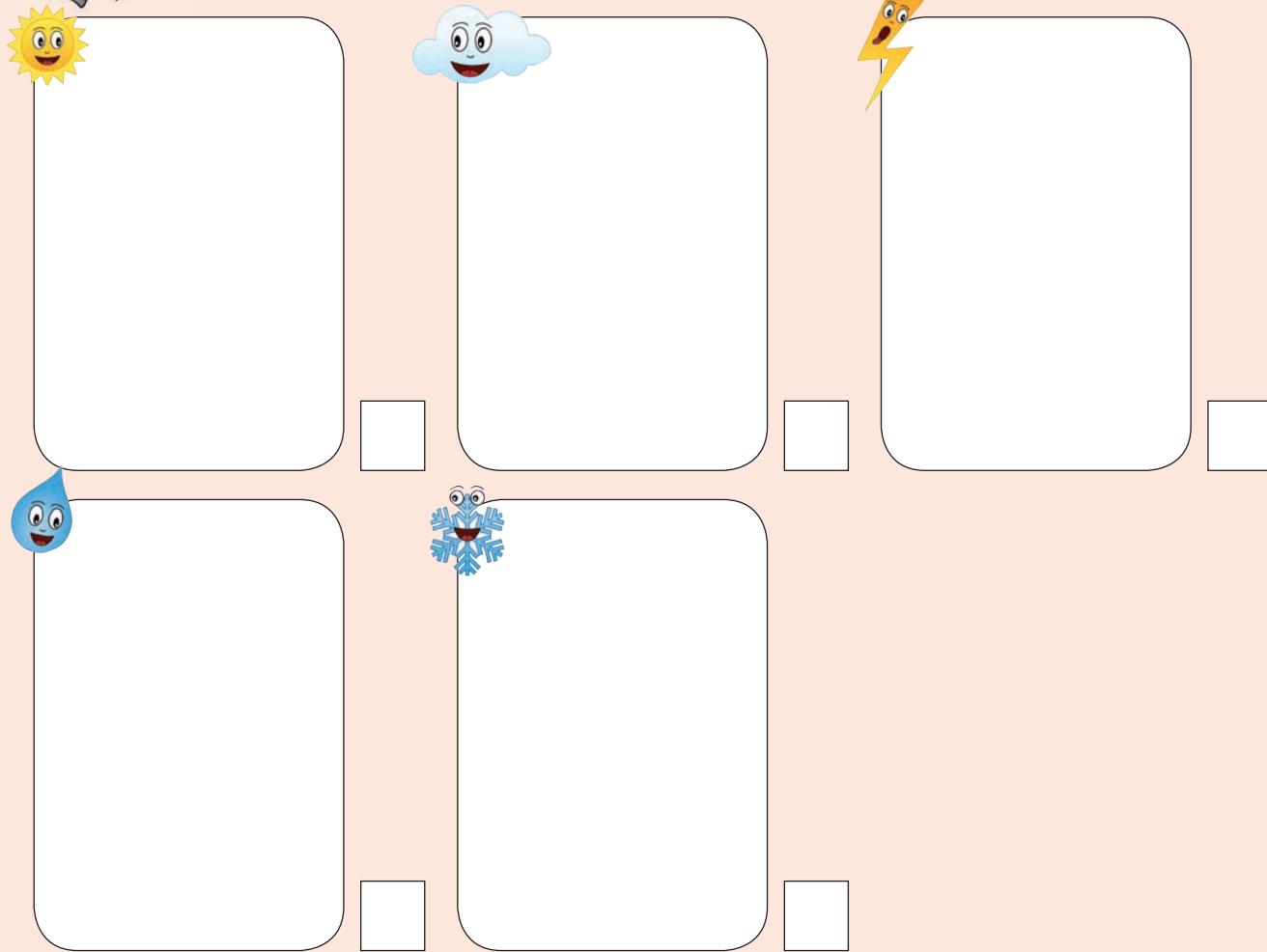
U vhekanya data

Deithi:

Themo ya 3



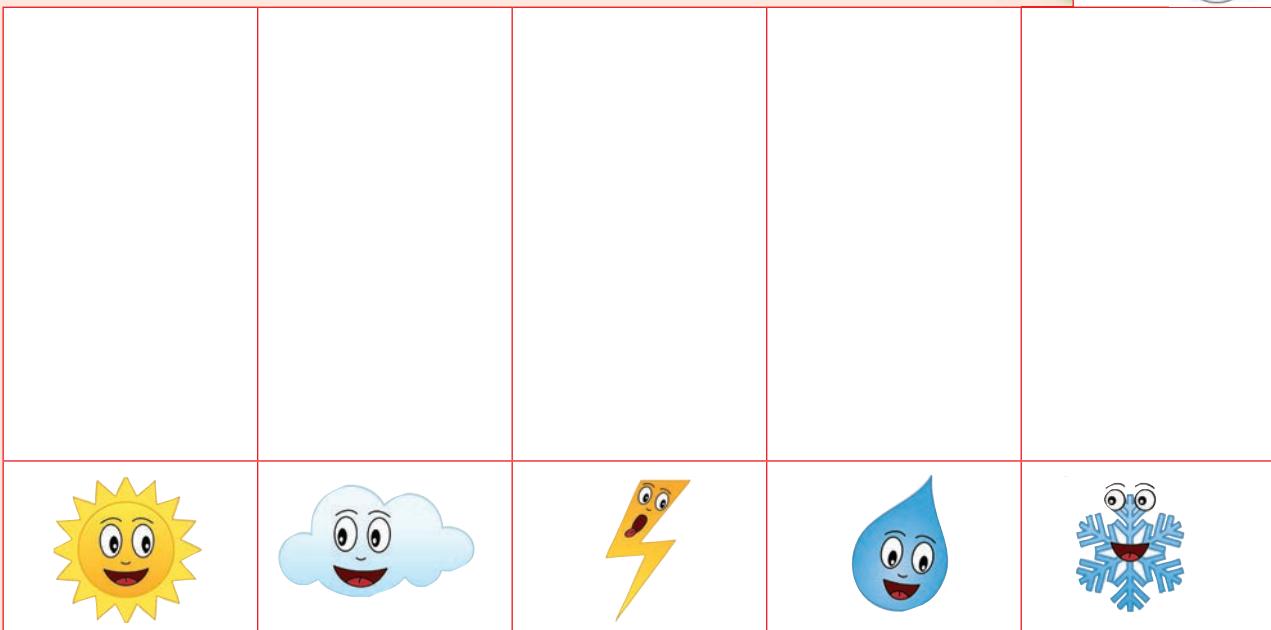
Nanguludzani zwithu zwa mutsho. Olani nyolo yanu ya u zwi sumbedza.
Nwalani thanganyelo tshibogisini.





Olani phikhithogirafu ya zwithu zwa mutsho
zwo nanguludzwaho.

KHII:



Sedzani zwithu zwa mutsho ni fhindule mbudziso.
Fhindulani mbudziso dzi tevhelelaho.



Ro vha na maduvha manzhi a
masana kana manzhi a makole?

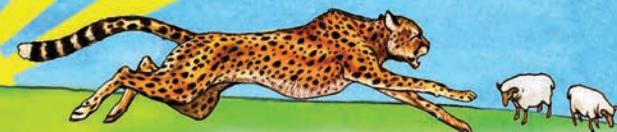
Ni vhona u nga ndi khalañwaha
ifhio?

Ngani?

Zwi ðo rali kha mavundu oþhe?



q7

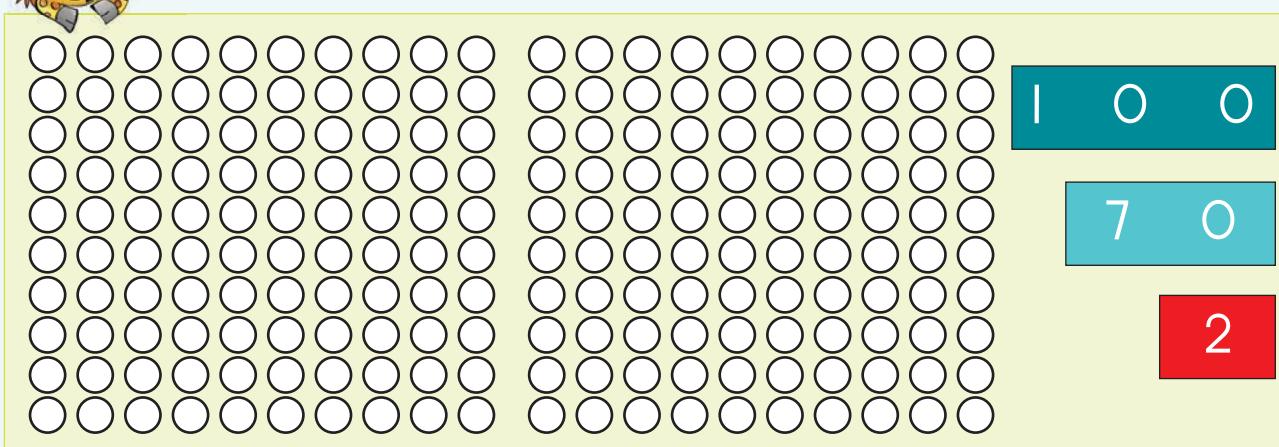


Deithi:

Themba ya 4



Khalarani zwitendeledzi zwa 172.



Nwalani f'hungombalo la:

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 5 \ 0 \\ \hline 1 \ 0 \ 0 \ 5 \ 0 \ 8 \end{array}$$

$100 + 50 + 8 = 158$

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 5 \ 0 \\ \hline 1 \ 0 \ 0 \ 5 \ 0 \ q \end{array}$$

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 7 \ 0 \\ \hline 1 \ 0 \ 0 \ 7 \ 0 \ 2 \end{array}$$

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 5 \ 0 \\ \hline 1 \ 0 \ 0 \ 5 \ 0 \ 0 \end{array}$$

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 6 \ 0 \\ \hline 1 \ 0 \ 0 \ 6 \ 0 \ 7 \end{array}$$

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 7 \ 0 \\ \hline 1 \ 0 \ 0 \ 7 \ 0 \ 5 \end{array}$$



Ndi nomboro dzifhio dici no da vhukati ha:

150 na 158 _____

172 na 177 _____

180 na 175 _____

160 na 155 _____

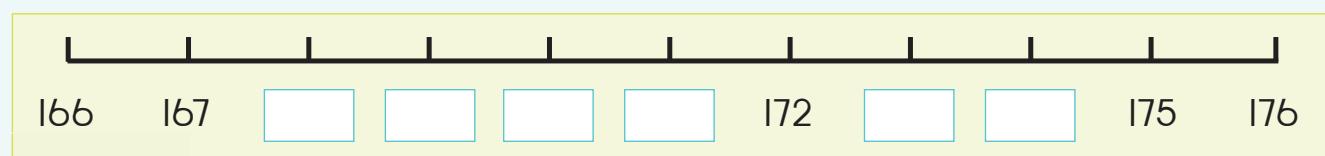
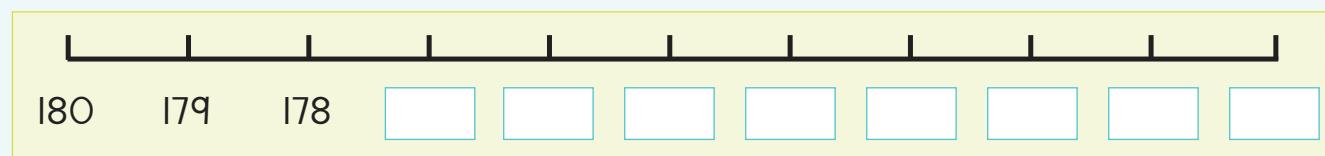
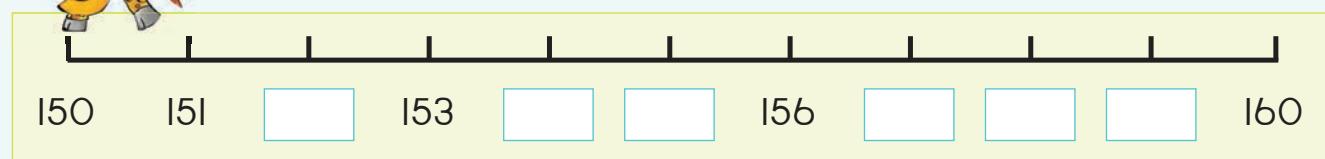
165 na 160 _____



Thukhu	Nomboro	Khulwane
	157	
	165	
	178	
	161	
	174	



Fhedzisani mitalombalo iyi.

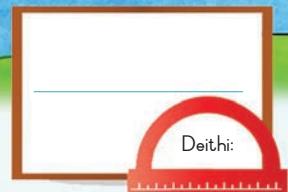
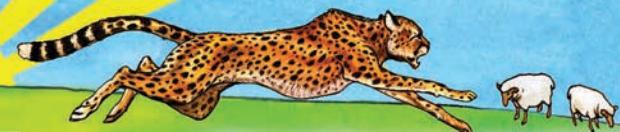


Gerani nomboro tharu dzi re vhukati ha 150 na 180 kha magazini kana gurannda.
Dzi nambatedzeni hafha dzi tshi tevhekana u bva kha khulwanesa u ya kha t̄hukhusa.



Teacher:
Sign:
Date:

q8

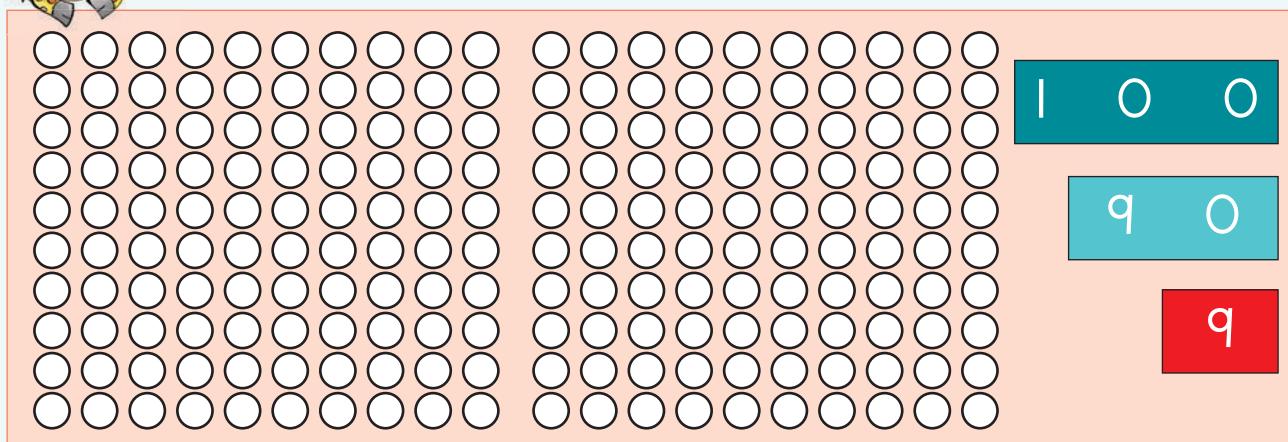


Nomboro 170 – 200

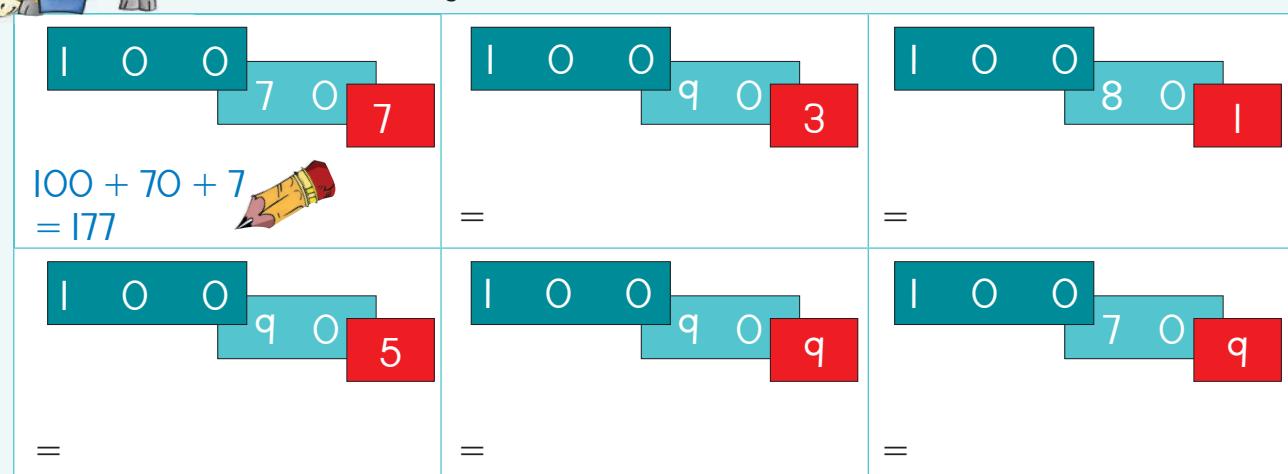
Themo ya 4



Khalarani zwitendeledzi zwa 199.



Ńwalani nomboro ya:



Ndi nomboro ifhio i no ḫa vhukati ha:

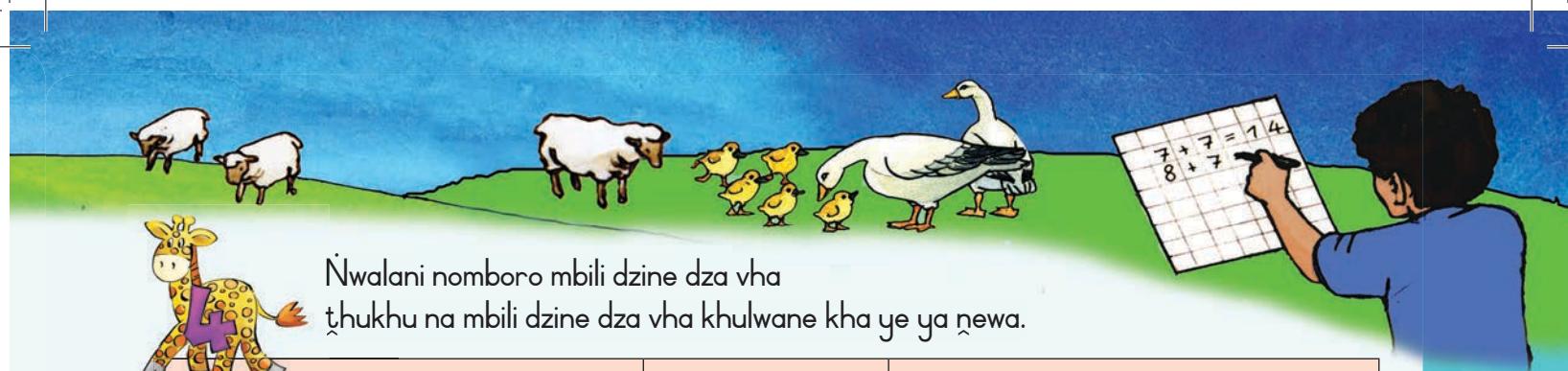
170 na 175

198 na 195

180 na 175

168 na 173

200 na 196

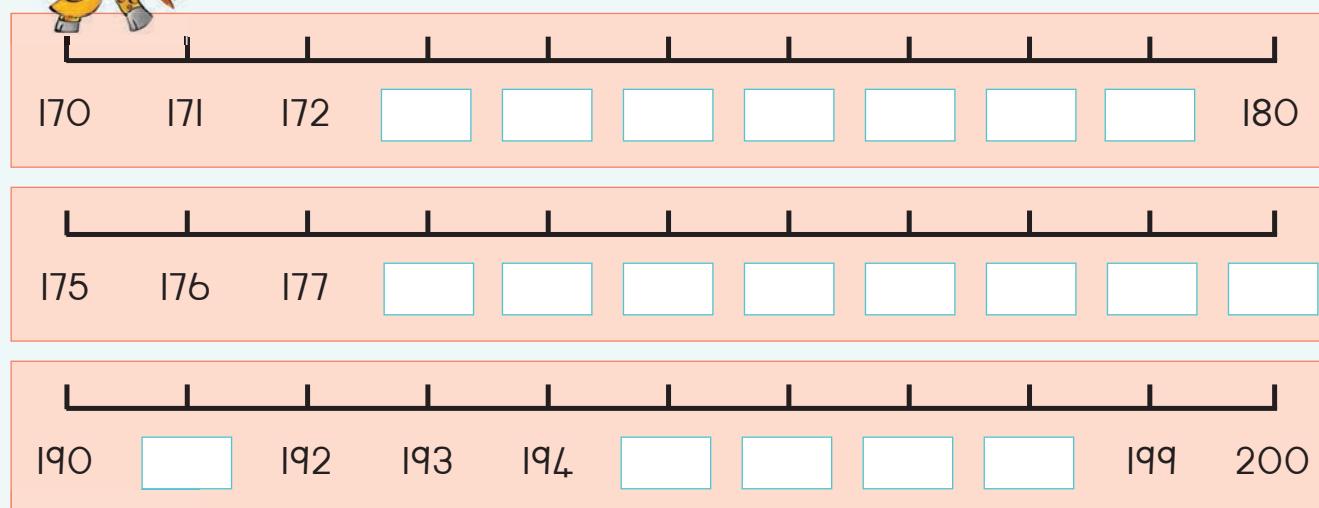


Nwalani nomboro mbili dzine dza vha
t̄hukhu na mbili dzine dza vha khulwane kha ye ya newa.

Thukhu	Nomboro	Khulwane
	170	
	198	
	185	
	174	
	181	



Fhedzisani mitalombalo iyi.

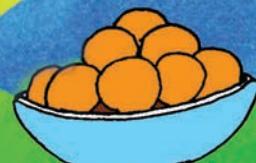


Gerani nomboro tharu dzi re vhukati ha 170 na 200 kha magazini kana gurannda.
Dzi nambatedzeni hafha dzi tshi tevhekana u bva kha khulwanesa u ya kha t̄hukhusa.



Teacher: _____
Sign: _____
Date: _____

qq

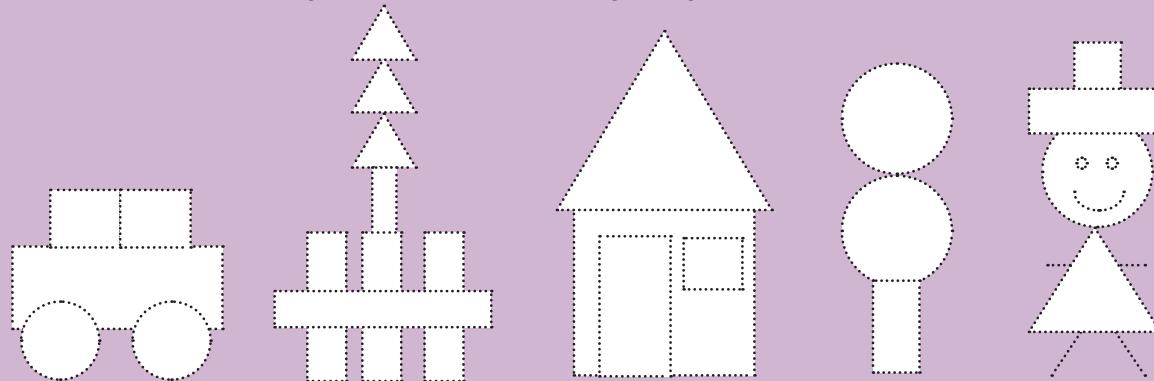


Zwivhumbeo zwa 2-D

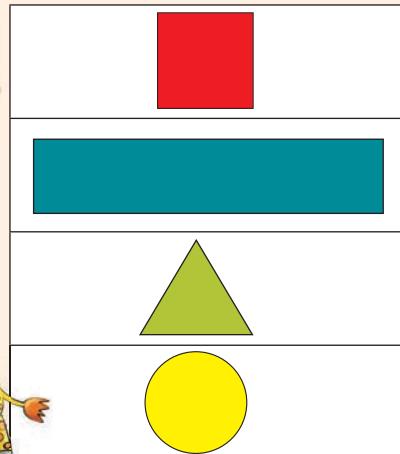
Deithi:

Themo ya 4

Tevhedzelani zwivhumbeo zwo^{the}. Khalarani zwitendeledzi nga muvhala mutswuku, thiraienengele nga muvhala mudala, zwikwea nga wa ^{ta}da na rekithiengelle nga wa lutombo.

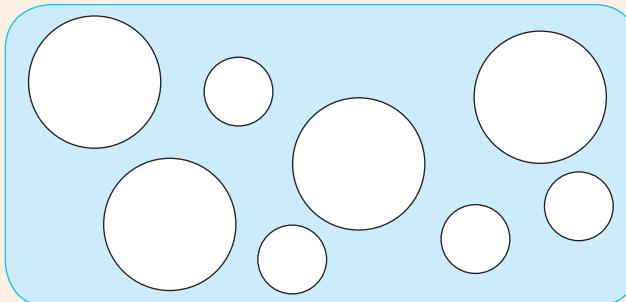


Livhanyani ipfi na tshivhumbeo.



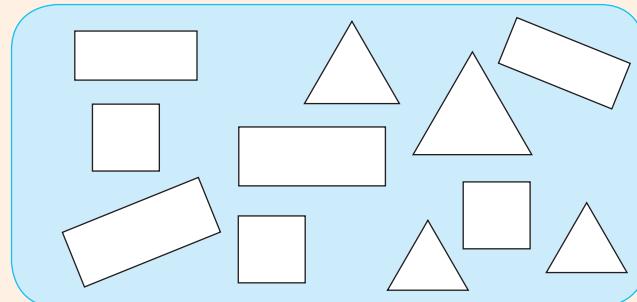
Khalarani:

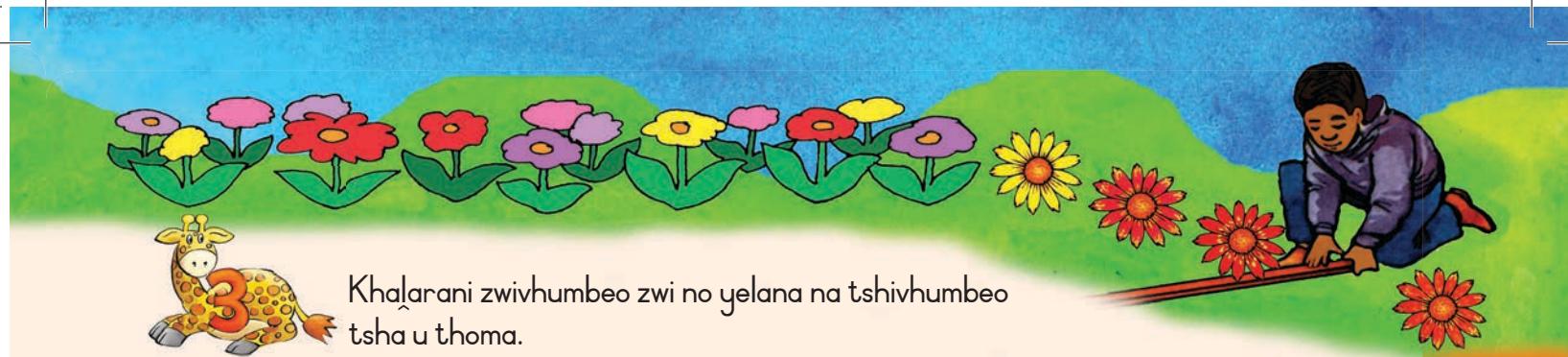
- Zwitendeledzi zwi^luwane nga muvhala mutswuku
- Zwitendeledzi zwi^luku nga muvhala wa ^{ta}da



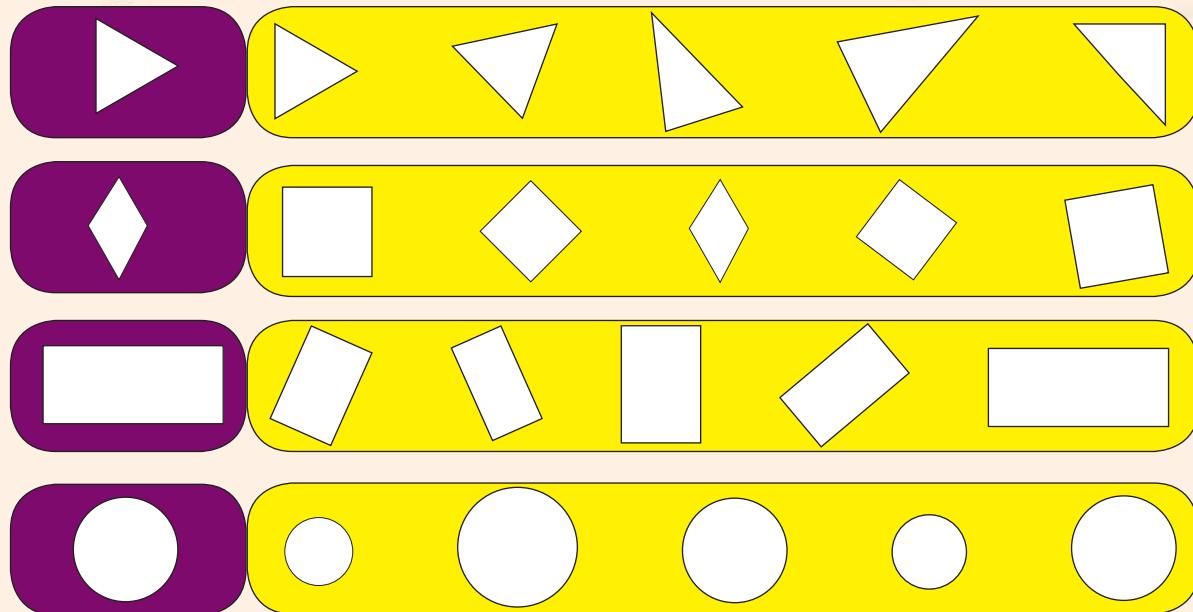
Khalarani:

- Rekithiengelle khulwane nga muvhala mutswuku
- Rekithiengelle thukhu nga muvhala wa ^{ta}da





Khałarani zwivhumbeo zwi no yelana na tshivhumbeo
tsha u thoma.



Olani tshifanyiso tsha inwi muñe ni tshi shumisa zwikwea, rekithiengle,
thiraiengele na zwitendeledzi.

Kha bammbiri ḥa kale, gerani zwikwea, rekithiengle, zwitendeledzi na thiraiengele kha bammbiri ḥa
kale ni ite tshifanyiso tshanu ngazwo.



100



Nomboro 0 – 200

Themo ya 4



Ndi nomboro nngana dzo f'hambananaho dzine na nga vhumba.

1 0 0	4 0	2
q	5 0	1 0 0
2 0	I	7 0
		8



Fhedzisani zwi tevhelaho.

100 + 40 + q = <input type="text"/>	100 + 70 + 3 = <input type="text"/>	100 + 20 + 8 = <input type="text"/>
100 + 10 + 7 = <input type="text"/>	100 + 90 + 2 = <input type="text"/>	



Dadzani zwibogisi zwi si na tshithu ni tshi shumisa madana, mahumi na dziyuniti u itela u fhedzisa mbalo.

$$\begin{aligned}
 181 &= \boxed{} + \boxed{} + \boxed{} \\
 144 &= \boxed{} + \boxed{} + \boxed{} \\
 135 &= \boxed{} + \boxed{} + \boxed{} \\
 156 &= \boxed{} + \boxed{} + \boxed{} \\
 169 &= \boxed{} + \boxed{} + \boxed{}
 \end{aligned}$$



Tanganyani zwi tehelaho.

$60 + 4 = \boxed{}$

$100 + 20 + 3 = \boxed{}$

$90 + 8 = \boxed{}$

$100 + 40 + 9 = \boxed{}$

$40 + 7 = \boxed{}$

$100 + 70 + 8 = \boxed{}$

$30 + 6 = \boxed{}$

$100 + 60 + 1 = \boxed{}$

$50 + 2 = \boxed{}$

$100 + 50 + 5 = \boxed{}$

Dzhenisani nomboro dzo ḫahelaho.

$70 + \boxed{} = 71$

$100 + \boxed{} + 3 = 153$

$30 + \boxed{} = 38$

$100 + \boxed{} + 9 = 169$

$60 + \boxed{} = 69$

$\boxed{} + 70 + 8 = 178$

$20 + \boxed{} = 24$

$100 + \boxed{} + 1 = 191$

$80 + \boxed{} = 85$

$100 + 50 + \boxed{} = 157$



Itani ḫhanganyelo dzanu inwi muñe ni tshi shumisa madana, mahumi na dziyuniti.

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

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



Ndi nomboro ifhio i re khulwanesa? (K) Ndi nomboro ifhio i re ḫukhusa? (T)

5	0	9
1	0	0

1	0	0
9	4	0

4	1	0	0
5	0		

Teacher: _____
Sign: _____
Date: _____

101



Deithi:

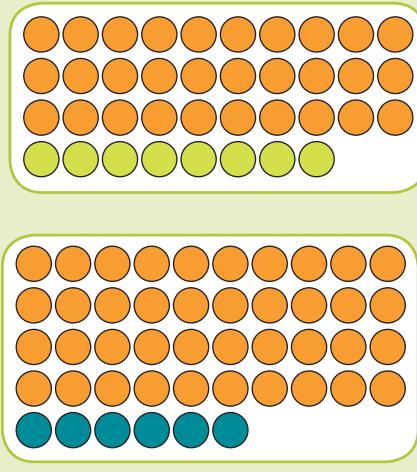
Mutanganyo na Mutuso

Thembo ya 4



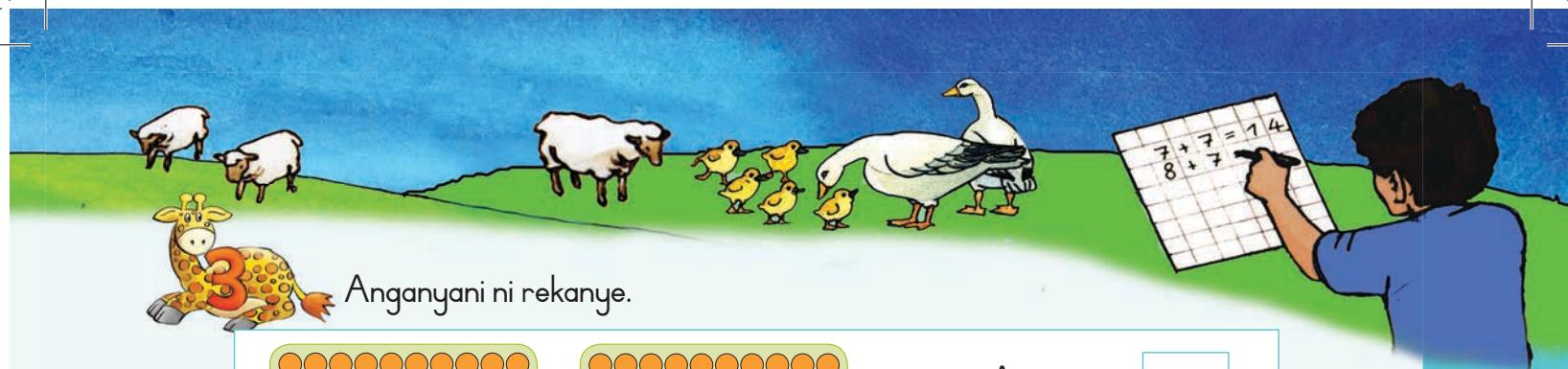
Lavhelesani bodo ya nomboro na malungu. Ambani ngazwo.

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

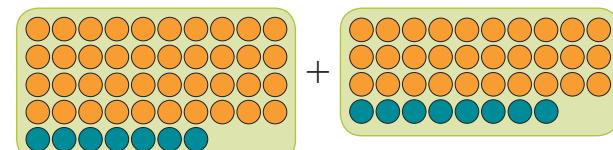


Tanganyani kana ni tuse malungu.

$\begin{array}{l} 50 \\ - 5 \\ \hline 45 \end{array}$ $\begin{array}{l} 40 \\ + 15 \\ \hline 55 \end{array}$ $\begin{array}{l} 10 \\ + 9 \\ \hline 19 \end{array}$	$\begin{array}{l} 50 \\ - 2 \\ \hline 48 \end{array}$ $\begin{array}{l} 40 \\ + 18 \\ \hline 58 \end{array}$ $\begin{array}{l} 10 \\ + 8 \\ \hline 18 \end{array}$
$\begin{array}{l} 50 \\ - 6 \\ \hline 44 \end{array}$ $\begin{array}{l} 40 \\ + 14 \\ \hline 54 \end{array}$ $\begin{array}{l} 10 \\ + 14 \\ \hline 24 \end{array}$	$\begin{array}{l} 50 \\ - 3 \\ \hline 47 \end{array}$ $\begin{array}{l} 40 \\ + 17 \\ \hline 57 \end{array}$ $\begin{array}{l} 10 \\ + 17 \\ \hline 27 \end{array}$

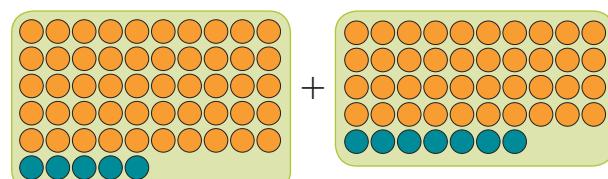


Anganyani ni rekanye.



Anganyani

Rekanye



Anganyani

Rekanye



Shumani mbalo ni tshi shumisa ndila yanu.

$53 + 39$

$92 - 48$

Tanganyani 39 na 29.

43 na 19 dzi ita mini?

45 yo tuswa kha 74 i vha mini.

82 ho tuswa 69 i vha mini?





Mutanganyo na mutuso haf hu

Themo ya 4



Lavhelesani abakhasi i re kha tsha monde na tsha u la. Ni vhona mini?

2 0

8

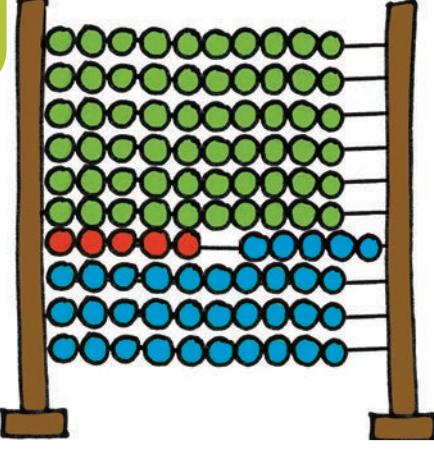
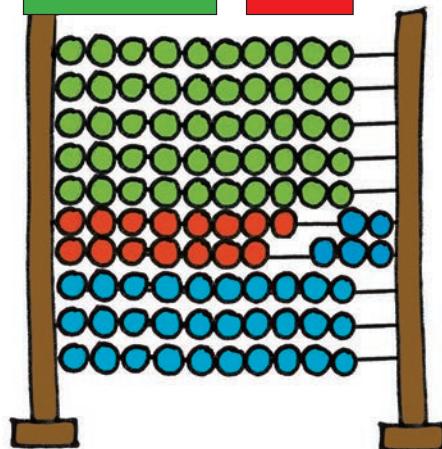
3 0

7

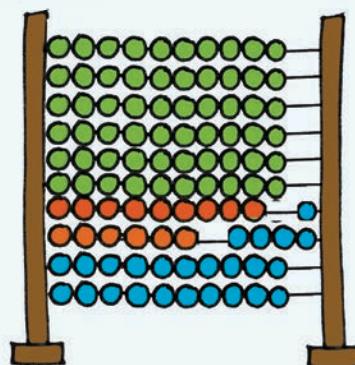
Tanganyani
nomboro idzo mbili.

6 0

5

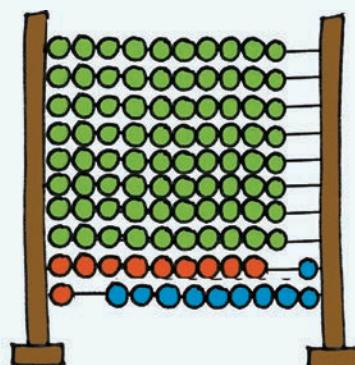


Nwalani mbalo ya u tanganya na u tusa. I rekanyeni.



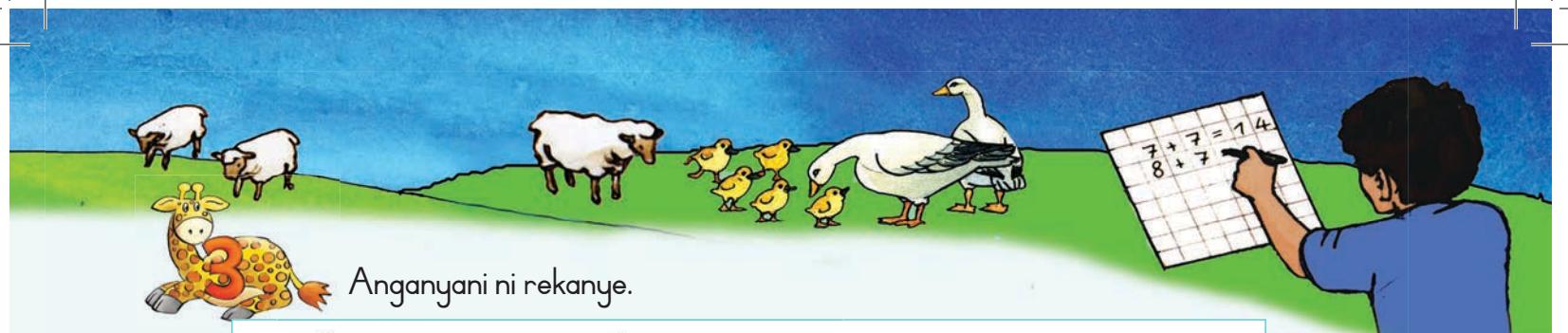
Mbalo ya mutanganyo

Mbalo ya mutuso

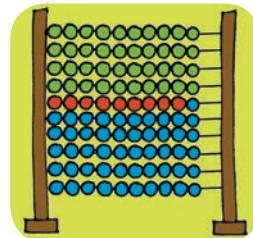


Mbalo ya mutanganyo

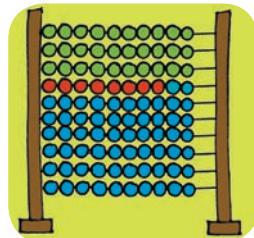
Mbalo ya mutuso



Anganyani ni rekanye.

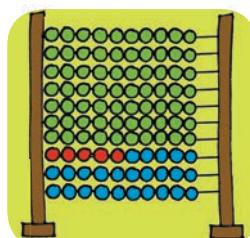


+

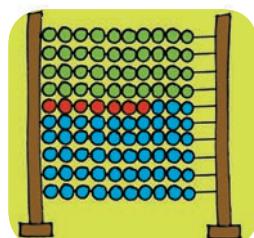


Anganyani

Rekanyani



-



Anganyani

Rekanyani



Rekanyani ni tshi shumisa ndila yanu.

$58 + 35$

$34 - 26$

74 na 19 dzi ita mini?

Bvisani 34 kha 72.



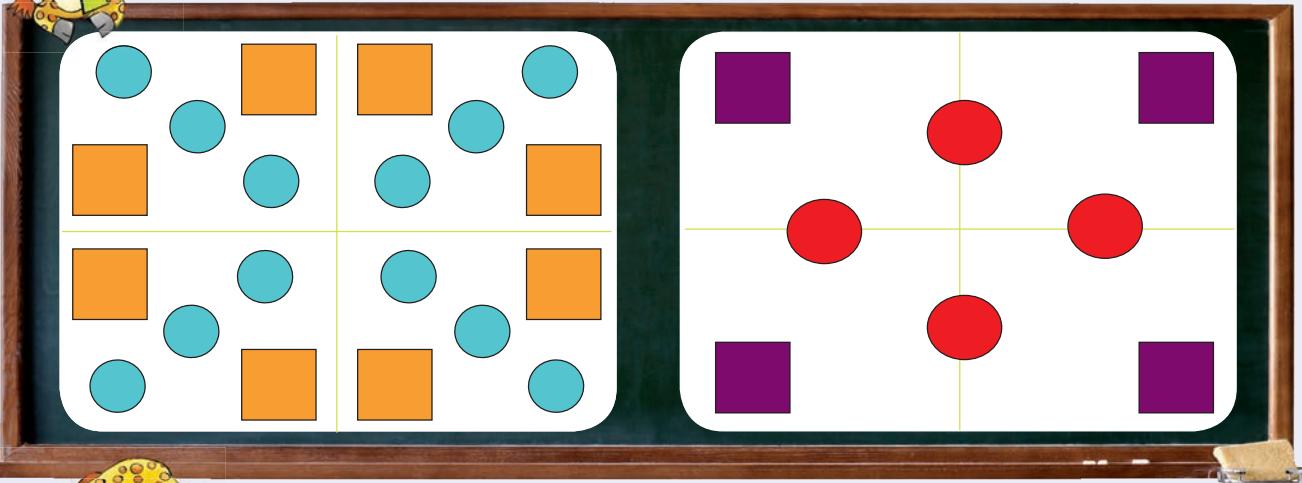
103

Zwiňwe haf hu nga

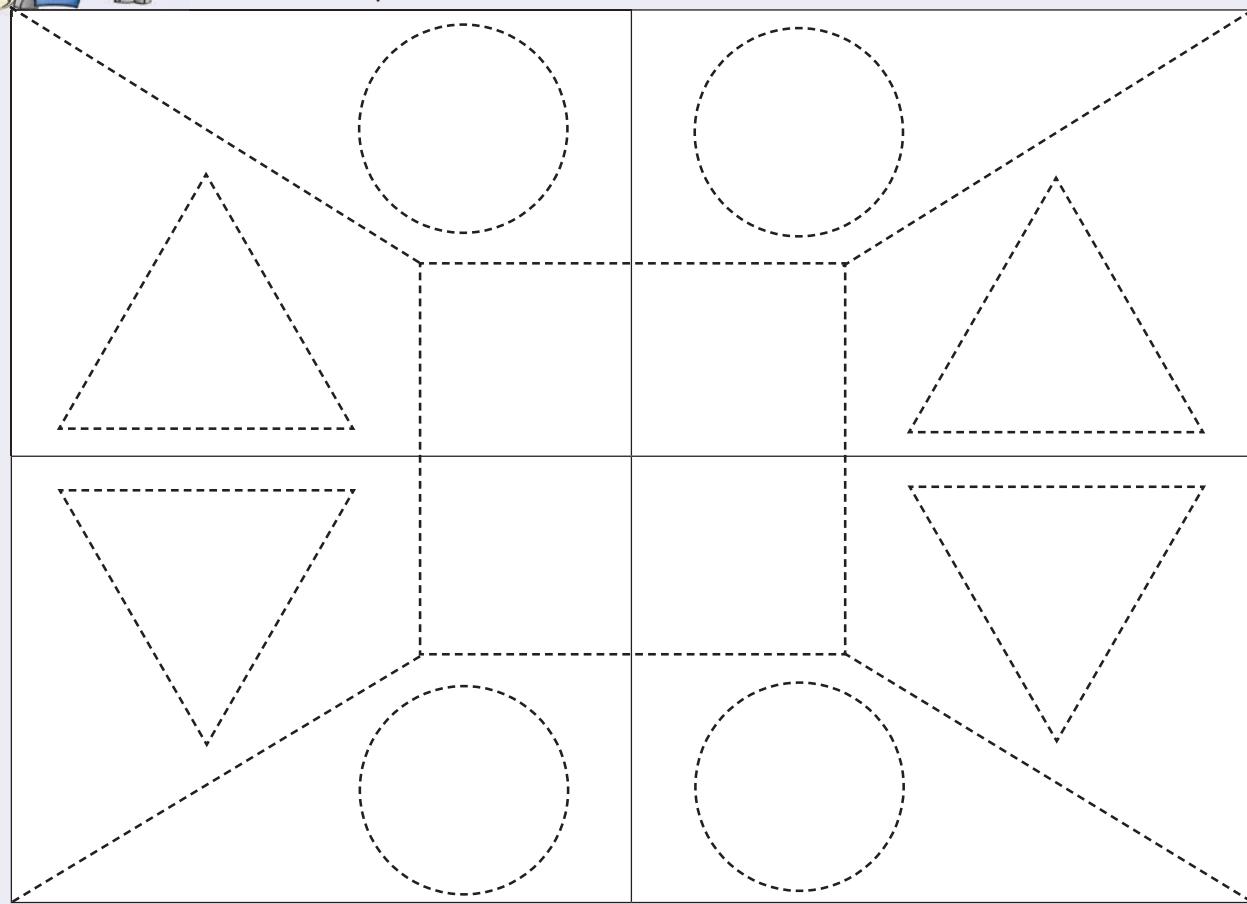
phetheni dza nomboro na zwivhumbeo

Themo ya 4

Talutshedzani phetheni.

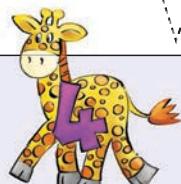
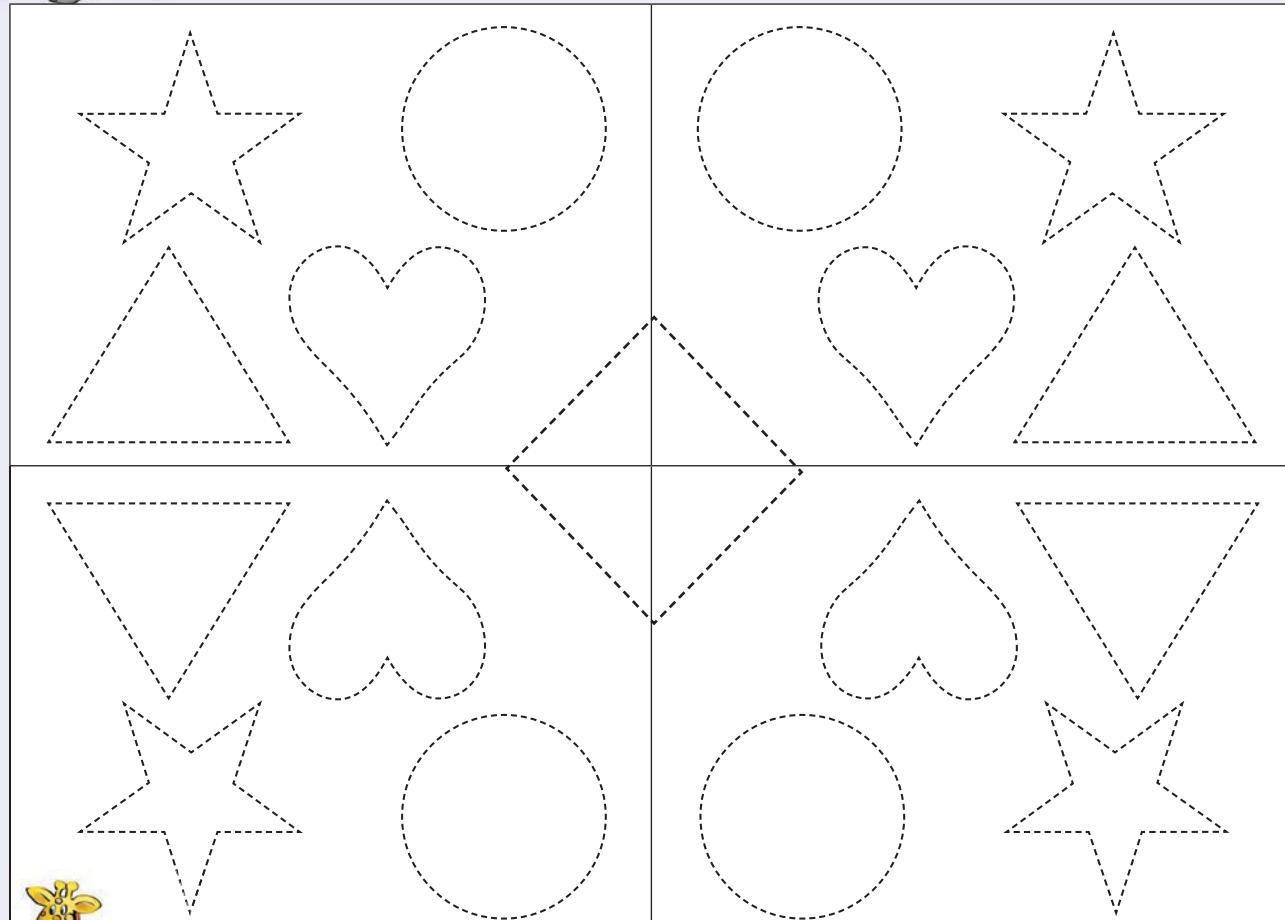


Tevhedzelani phetheni ni i khalare.





Tevhedzelani phetheni ni i khalare.



Itani phetheni yanu inwi muñe ni tshi shumisa zwivhumbeo.



104



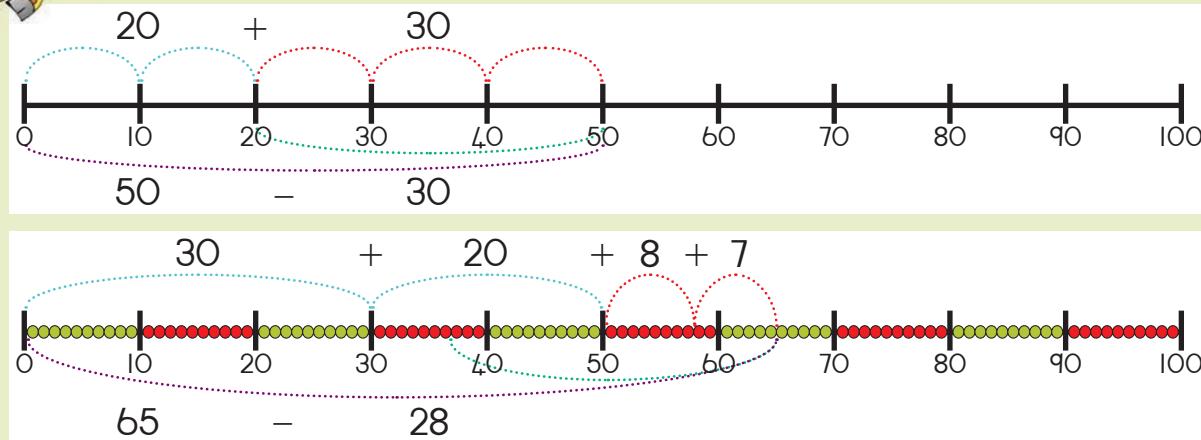
Mutanganyo na Mutuso

Deithi:

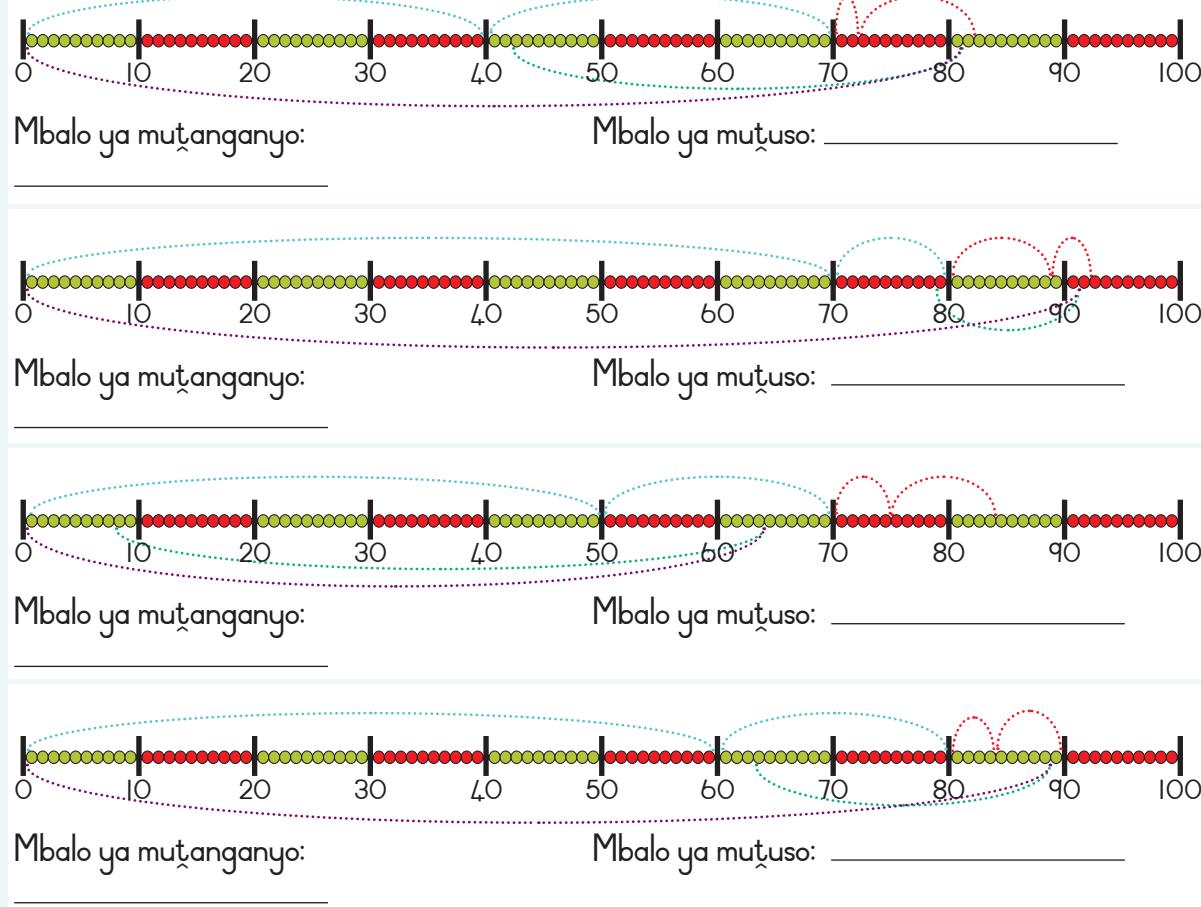
Themo ya 4



Lavhelesani mitalombalo. Ambani ngayo.

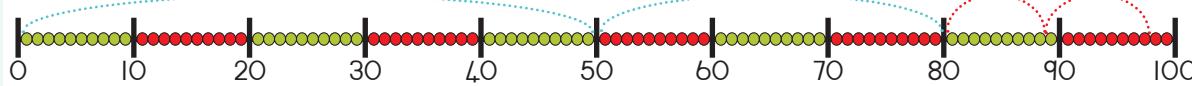


Nwalani mbalo ya mutanganyo na mutuso ni tshi shumisa matalombalo.



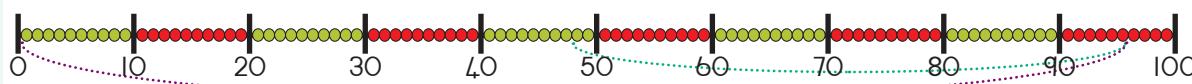


Anganyani ni rekanye tshivhalo tsha malungu.



Anganyani: _____

Rekanyani: _____



Anganyani: _____

Rekanyani: _____



Rekanyani ni tshi shumisa nqila yanu.

$$74 + 18$$

$$72 - 43$$

82 na 9 dici ita mini?

Bvisani 44 kha 52.



Teacher:

Sign:

Date:

105

Mutanganyo na mutuso hafuhafhu

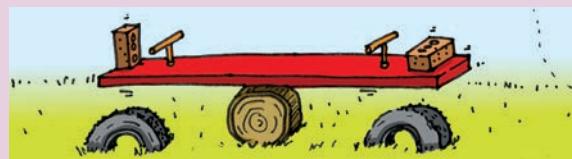
Themo ya 4



Linganyisani masia.

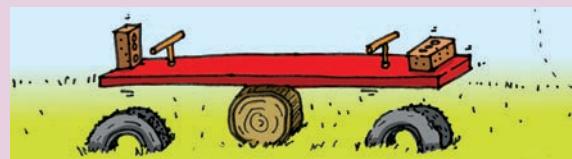
$10 + 4 + 5$

$9 + \boxed{\quad} + \boxed{\quad}$



$90 - 50$

$\boxed{\quad} - 20$



Fhedzisani zwi tevhelaho.

ho ingwa nga 1	
6	7
5	
3	
9	
2	
7	
4	
8	

ho fhungudzwa nga 1	
4	3
8	
10	
9	
2	
7	
6	
3	

ho ingwa nga 10	
40	50
10	
60	
70	
20	
80	
30	
100	

ho fhungudzwa nga 10	
40	30
150	
20	
110	
200	
60	
180	
70	



Tharamudzani phetheni.

25

37

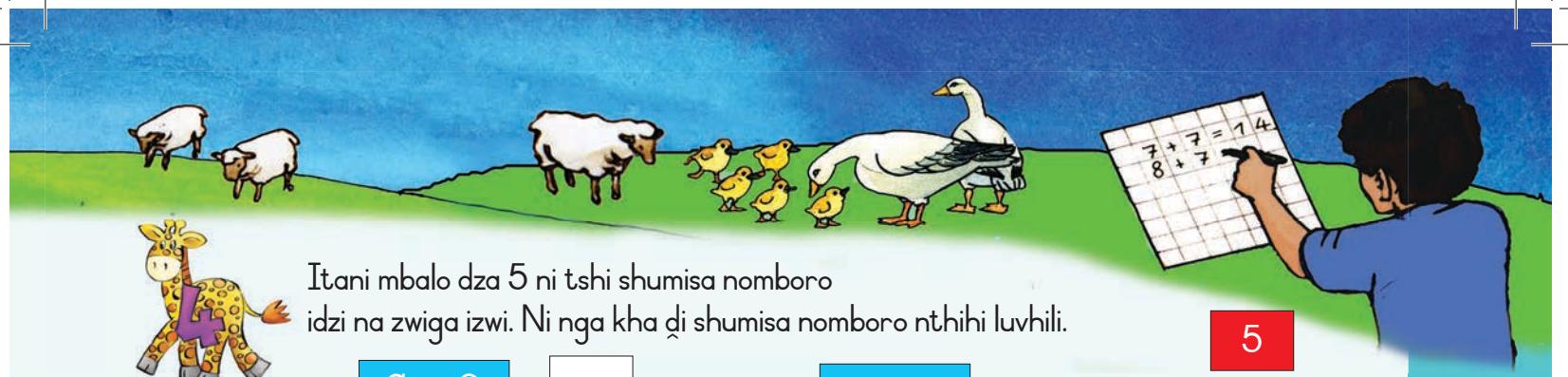
89

199

175

163





Itani mbalo dza 5 ni tshi shumisa nomboro idzi na zwiga izwi. Ni nga kha di shumisa nomboro nthihi luvhili.

5

q 0

-

2 0

+

3 0

1 0 0

4

3



Lavhelesani nomboro ni ite mbalo nnzhi dzo waniwaho nga mu^langanyo na mu^luso dzine phindulo yadzo ya vha yo nwalwa kha bodo, tsumbo: $3 + 4 = 7$.

Mu^langanyo ndi mini?

Mu^luso ndi mini?

2 6 5 7
4 7 3 8
q

4 5 q 7
6 2 8 10
3



Rekanyani zwi tevhelaho ni tshi shumisa ndila yanu. Sumbedzani mirekanyo yote.

$48 + 36$

$85 - 59$



Tandululani mbalo ya maipfi. Olani tshifanyiso ni tshi sumbedza phindulo yanu.

Ndo vhulunga R42 nahone khotsi anga vha mpha R29. Ndi na vhugai?

Ndi na R78 nahone ndo renga tshi^leshenari tsha R34. Ndo salelwa nga vhugai?



106

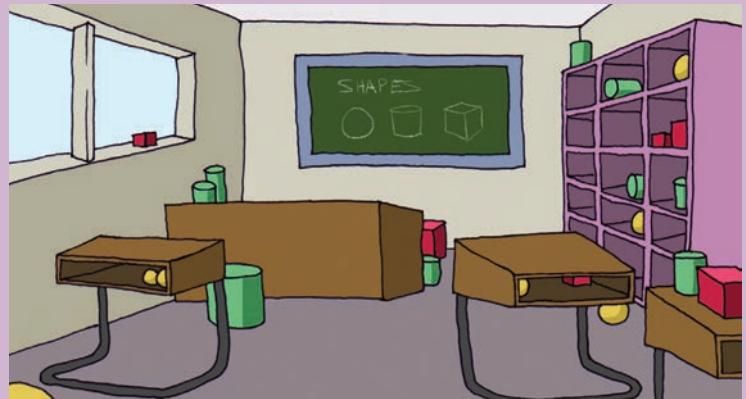


Zwithu zwa 3-D

Deithi:

Themo ya 4

Mabogisi, bola na silinda
zwi ngafhi?



Ambani uri ndi bogisi, bola kana silinda naa.



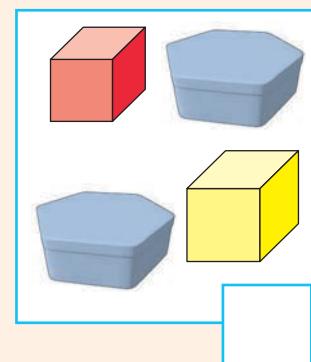
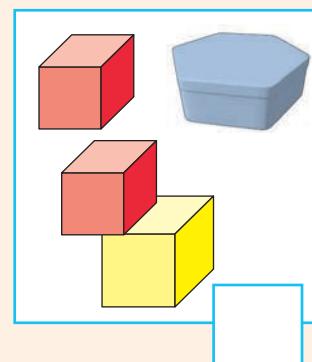
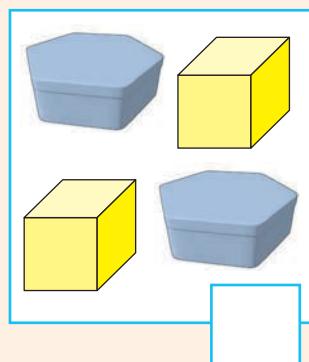
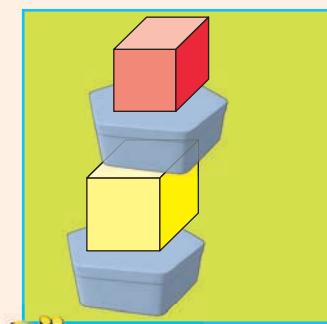
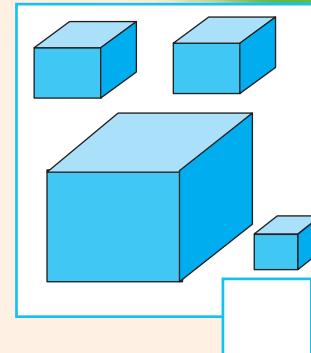
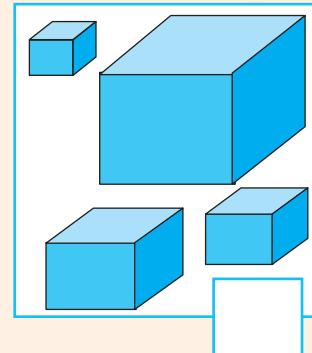
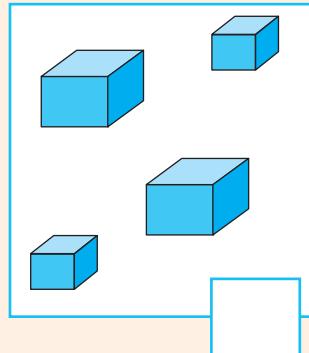
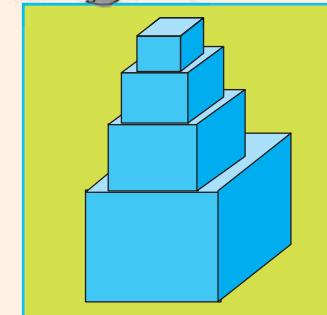
Wanani zwifanyiso zwa zwithu zwi tehelaho ni zwi nambatedze hafha.

Bola

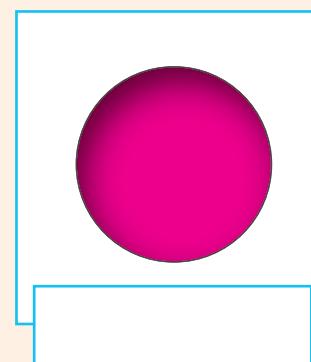
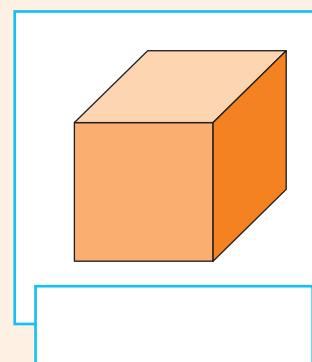
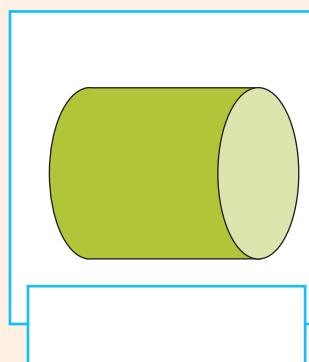
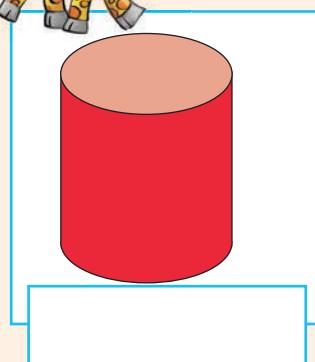
Bogisi

Silinda

Itani thiki kha sethe yone ya zwithu zwe na zwi
shumisa kha u fhaṭa thawara i re kha tsha monde.



Bulani uri zwi tevhelaho zwi ḫo kunguluwa naa kana u swenda.

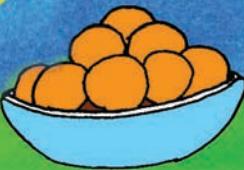


Afho mudini wa hanu kana huñwevho hu na zwithu zwi no nga:

- Silinda
- Bola
- Mabogisi



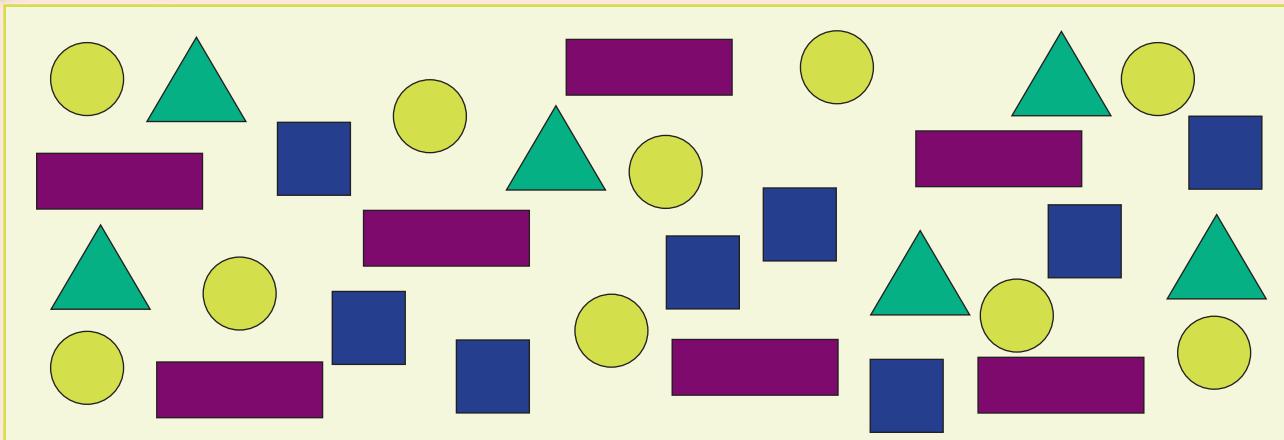
107



Data hafuhafhu

Deithi:

Themo ya 4

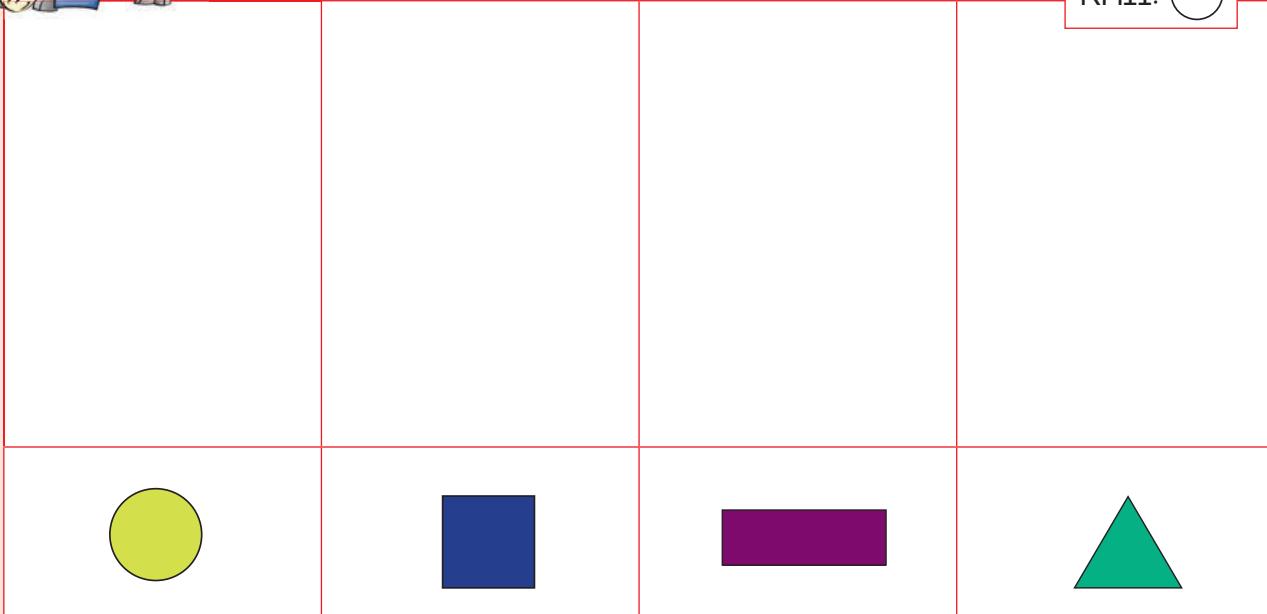


Nanguludzani zwivhumbeo. Olani nyolo yanu ya u zwi sumbedza.
Nwalani thanganyelo tshibogisini.

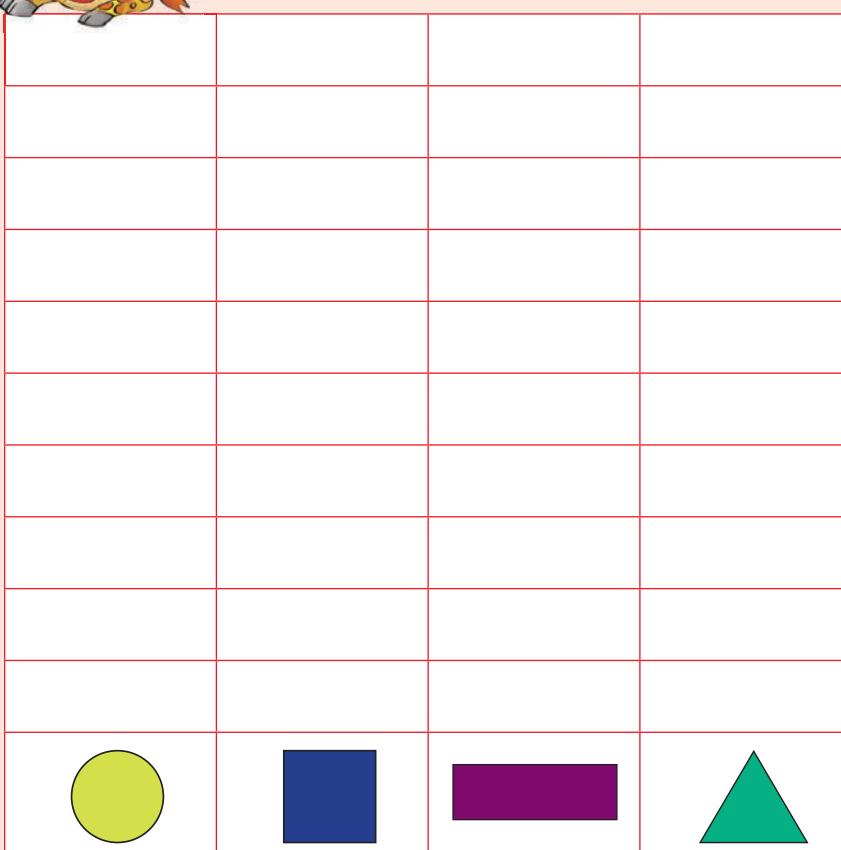


Olani phikhithogirafu ya mitshelo yo nanguludzwaho.

KHII:



Khalarani zwibuloko ni tshi fhedzisa girafubaphathi yanu



Hu na zwitendeledzi zwingana?



Hu na zwikwea zwingana?



Hu na rekithiengele
nngana?



Hu na thiraiengele
nngana?





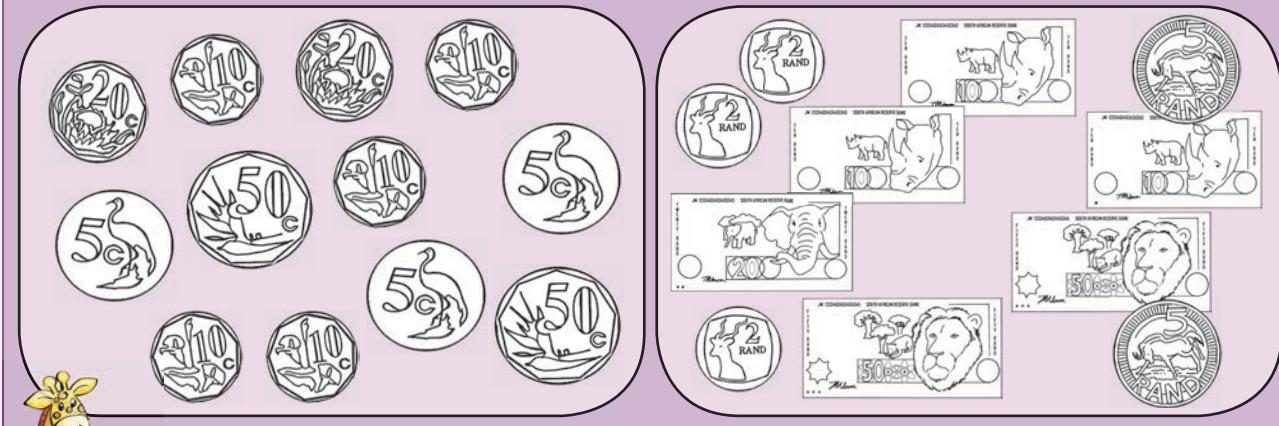
Deithi:

Urekanga tshelede

Themo ya 4

Khalarani khoini dzine dza do ita 95c.

Khalarani tshelede ya mabammbiri ine ya do ita R99.



Khalarani khoini dzi no do n i fha? Uyu ndi wone muvango u wothe?

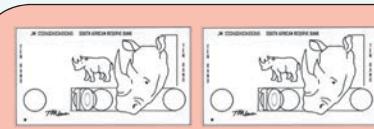
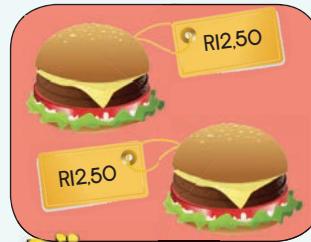
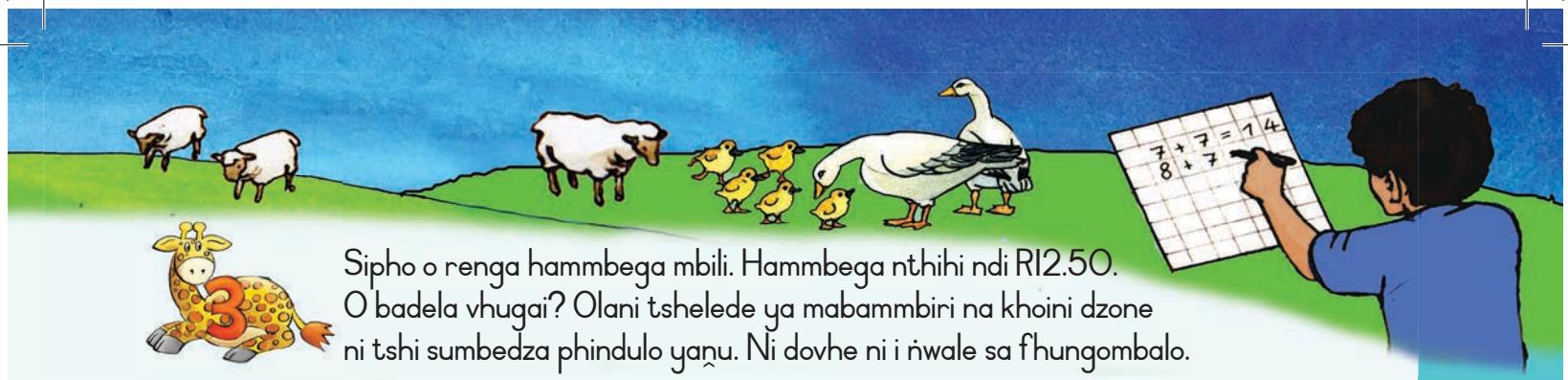
Ee	Hai

75c								
85c								
90c								

Khalarani dzikhoini na dzinoutu dzine dza do ni fha zwi tevhelaho:
Uyu ndi wone muvango u wothe?

Ee	Hai

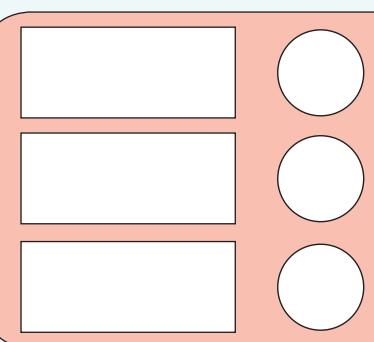
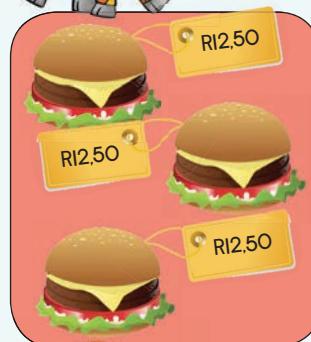
R87									
R75									
R94									



Fhungombalo:
RI2.50 + RI2.50 =



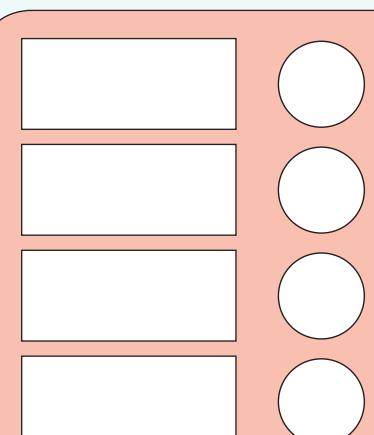
Arali Sipho a nga renga hamm bega idzi?



Fhungombalo:



Arali Sipho a nga renga hamm bega nna?



Fhungombalo:



Sipho a nga kona u renga bega nngana nga R87, 50? Itani nyolo dzi no fana na dzi re af ho nt̄ha uri dzi ni thuse u tandulula mbalo (thaidzo). Shumisani bammbiri ja dubo.



10q



Tandululani mbalo dza tshelede

Deithi:

Themo ya 4

Ndi nga wana vhugai arali nda na rengisa tshokoleithi dza 10? Lavhesani zwifanyiso ni ise phanda na phetheni.

Tshokoleithi ya 1



Tshokoleithi dza 2



Tshokoleithi dza 3



Tshokoleithi dza 4



Shumani u rengisa hothidogo nga R4 nthihi. Fhedzisani thebulu ni tshi mu thusa u wana mutengo wa oda khulwane.

Tshivhalo tsha hothidogo	1	2	3	4	5	6	7	8	9	10
Khoini										
Mutengo (mbadelo) nga rannda	R4									



Arali Shumani a nga rengisa hothidogo iñwe na iñwe nga R5?

Tshivhalo tsha hothidogo	1	2	3	4	5	6	7	8	9	10
Khoini										
Mutengo (mbadelo) nga rannda	R5									



Sello u lela vhana. U badelisa R5 nga awara. Fhedzisani thebulu iyi.

Tshivhalo tsha awara	1	2	3	4	5	6	7	8	9	10
Mutengo nga rannda										



Sello u humbula u inga kavhili mutengo wa awara.
Zwi sumbedzeni kha thebulu.

Tshivhalo tsha awara	1	2	3	4	5	6	7	8	9	10
Mutengo nga rannda	10	20								



Olani tshifanyiso tshi no sumbedza uri Sello u badelisa vhugai arali o shuma mishumo ya 8 ya u lela vhana.



Ni khou ṭodou renga mafini dza 10. Iñwe na iñwe i ñura RIO.
Ni ño badela vhugai ni tshi renga mafini dza 1, 2, 3, 4, 5, 6, 7, 8, 9 kana 10?
Zwi sumbedzeni kha thebulu kha bammbiri ja dumbo.



110



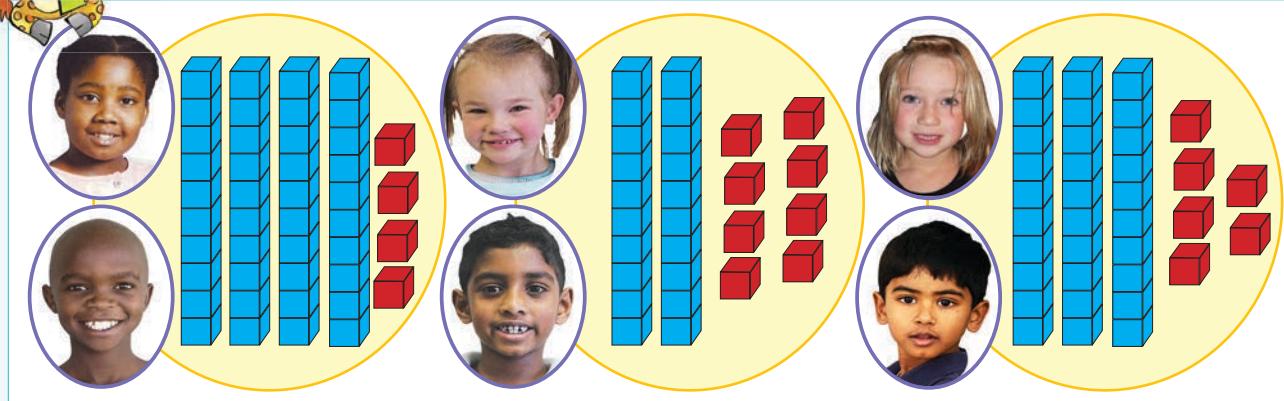
Deithi:

U ita zwigwada na u kovhana

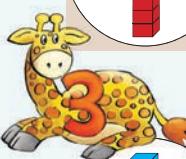
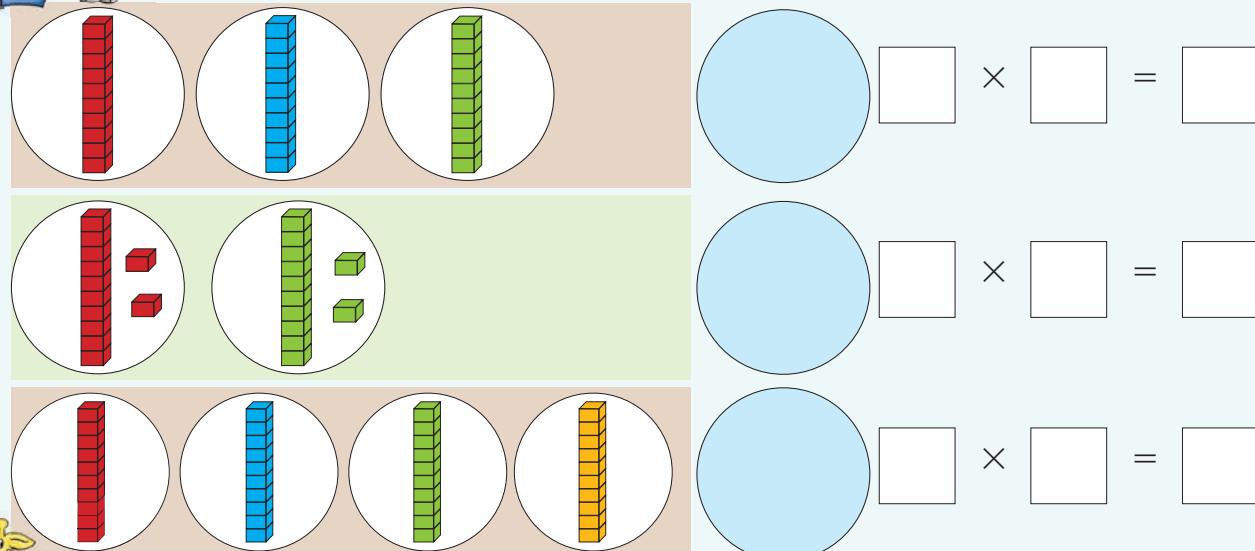
Themo ya 4



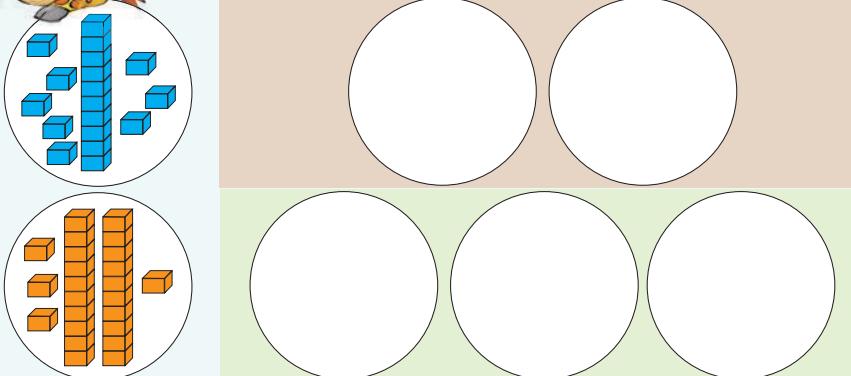
Hu na zwibuloko zwingana kha tshitendeledzi tshinwe na tshinwe? Zwi kovheni vhukati ha vhana.



Ndi zwibuloko zwingana zwi re kha tshitendeledzi tshinwe na tshinwe? Nwalani thanganyelo i re kha tshitendeledzi tsha lutombo.



Kovhani zwibuloko kha zwitengedzi.



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

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



Olani zwi tevhelaho. Nwalani mbalo ya tshiñwe na tshiñwe.

zwigwada zwa 3 zwa 2



Mbalo ya u tanganyisa:



Mbalo ya u andisa:

zwigwada zwa 4 zwa 10



Mbalo ya u tanganyisa:



Mbalo ya u andisa:

Kovhani zwivhaleli zwa 12 kha vha 4.



Mbalo ya u tusa:



Mbalo ya u kovha:

Kovhani zwivhaleli zwa 12 kha vha 3



Mbalo ya u tusa:



Mbalo ya u kovha:



Vhalelani.

zwigwada zwa 2 zwa 7 _____

zwigwada zwa 3 zwa 8 _____

zwigwada zwa 4 zwa 5 _____

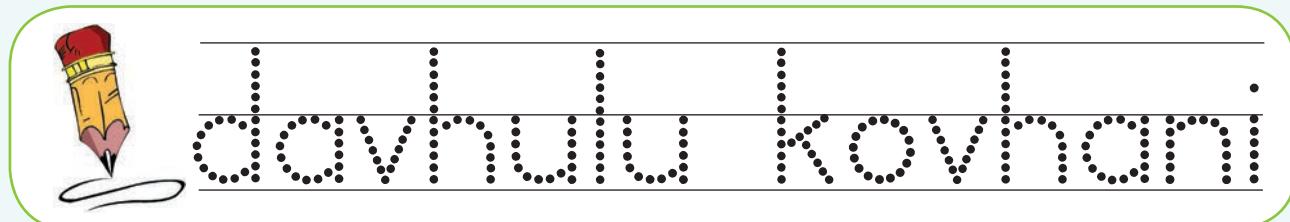
zwigwada zwa 2 zwa 15 _____

Kovhani 18 nga 2 _____

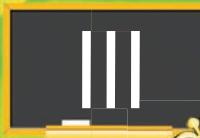
Kovhani 24 nga 3 _____

Kovhani 35 nga 5 _____

Kovhani 50 nga 10 _____



11 12 13 14 15 16 17 18 19 20

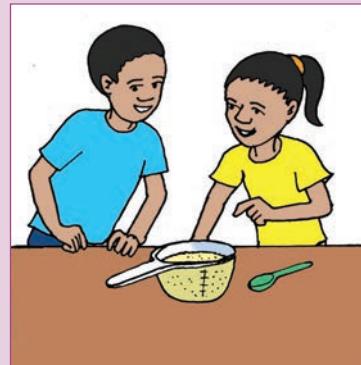


Deithi:

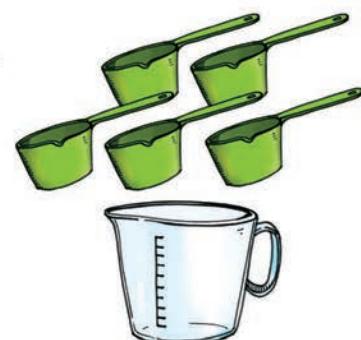
Themo ya 4

Khaphasithi dzinwe hafhu

Lavhelesani zwifanyiso. Vhana vha khou ita mini?



Lebula dici do dadza dzhege u swika ngafhi? Kharanani.



Hu dici itea mini arali na nga shela khaphu dza 6 dza dzhege ya u ela.



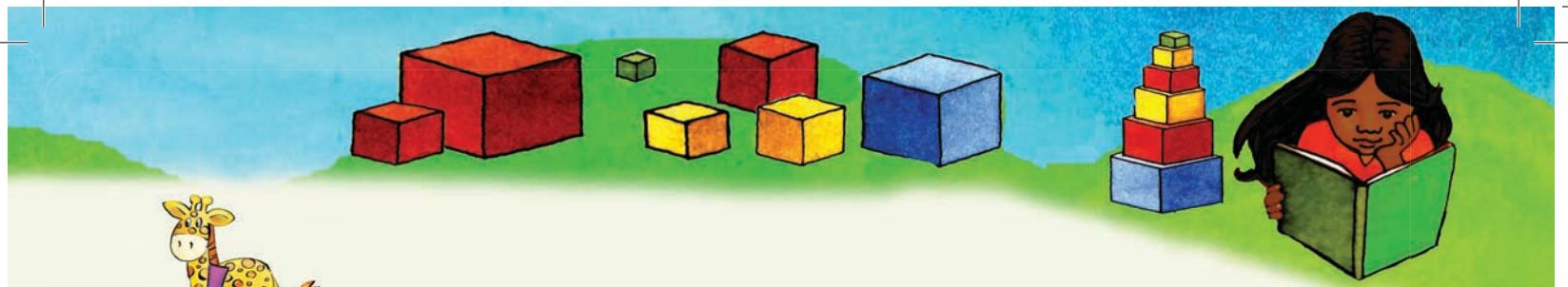
Ni nga dadza nga khaphu nngana dza mad?

dzhege dza 2 _____

dzhege dza 3 _____

dzhege dza 4 _____

dzhege dza 5 _____



Ndi lebula nngana hafhu dzine na do t̄oda uri ni dadze khaphu ya u ela?

2



Wanani tshifanyiso tsha zwifaredzi zwi no lingana litha ya 1, litha dza 2 na litha dza 5. Nambatedzani zwifaredzi izwi hafha kana kha bugu ya ndowedzo. Zwi nambatedzeni zwi tshi tevhekana u bva kha zwifaredzi zwi no hwala zwithu zwinzhi u ya kha zwifaredzi zwi no fara zwithu zwituku.

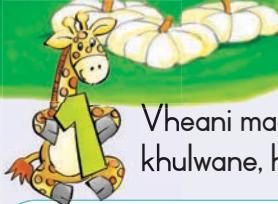


Teacher:
Sign:
Date:

II2

Phetheni dza nomboro

Themo ya 4



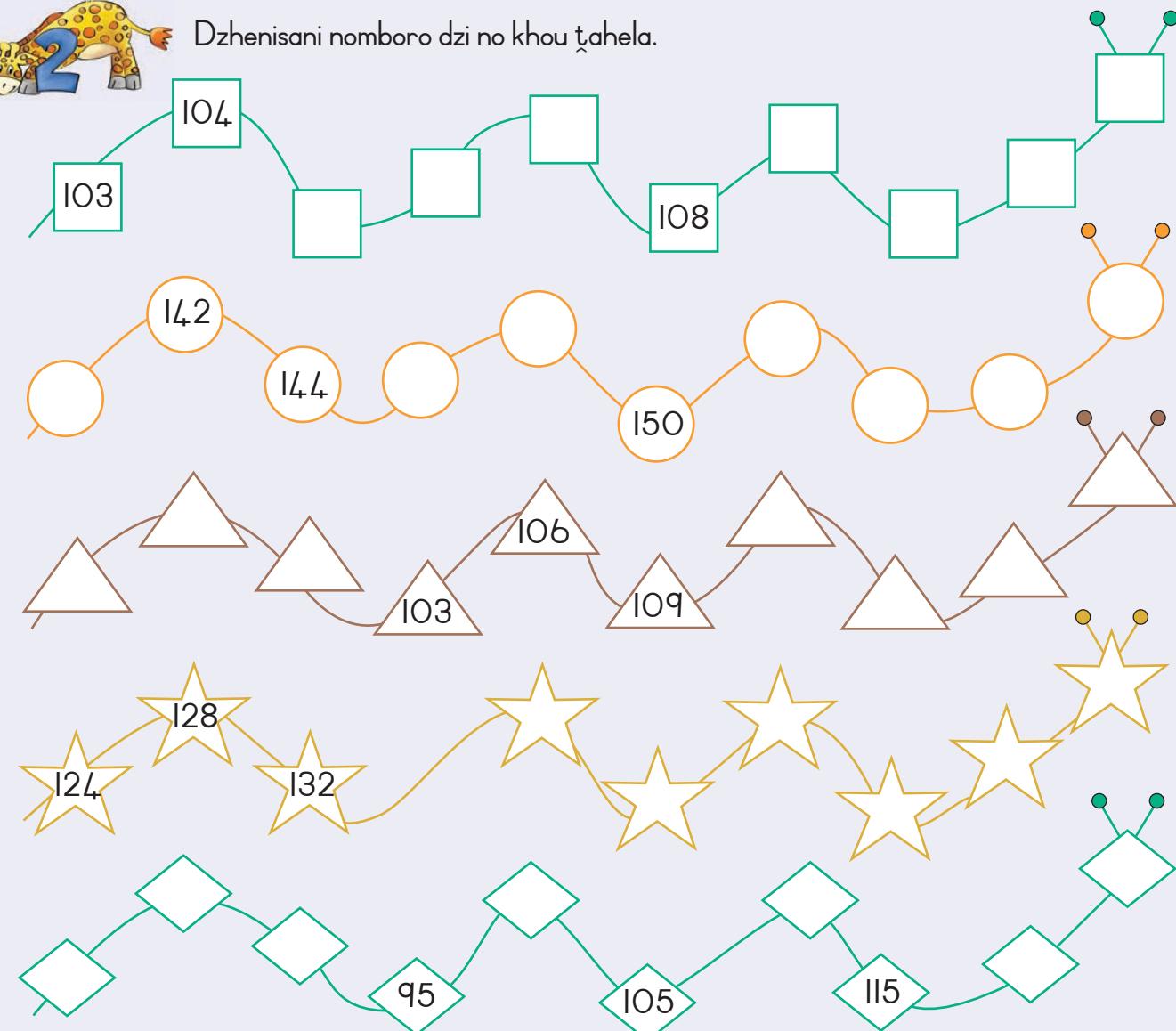
Vheani magarata a tshi tevhekana nga ngona. Ri thoma kha thukhu ri tshi ya kha khulwane, ha tevhela khulwane ri tshi ya kha thukhu.



5	3	8	1	9	7	6	2	4
61	66	64	69	62	68	67	63	65
I36	I32	I40	I38	I31	I35	I33	I37	I34



Dzhenisani nomboro dzi no khou tshela.





Fhedzisani zwi tevhelaho ni tshi vhala ni tshi humela murahu.

128	126	124			118			
160	157	154						
200	195	190						



Fhedzisani zwi tevhelaho:

100, 102, 104, ___, ___, ___, ___, ___

160, 155, 150, ___, ___, ___, ___, ___

115, 118, 121, ___, ___, ___, ___, ___

200, 190, 180, ___, ___, ___, ___, ___



Fhedzisani mutalombalo.

$$2 + 2 + 2$$

0 2 4 6

$$3 + 3 + 3$$

0 3 6 9

$$4 + 4 + 4$$

0 4 8 12



Ri vhala nga mini?

4 20
8 12
16

2 14
8 12
10 4 6

5 15
25 20
30 10

3 21
15 6
18 9 12



Teacher:
Sign:
Date:

113



Muandiso wa 3

Deithi:

Themo ya 4

Phukha dzothé dzi na milenzhe ya 4.



Phukha dzothé dzi na ndevhe 2.

Tshivhaloguté tsha milenzhe
tshifanyisoni itshi ndi tshifhio?Tshivhaloguté tsha ndevhe
tshifanyisoni itshi ndi tshifhio?

Lavhelesani tshifanyiso ni fhedzise zwi tevhelaho.



<input type="text"/>	\times	<input type="text"/>	$=$	<input type="text"/>
Tshivhalo tsha mbevha	Milenzhe nga tshipuka			

<input type="text"/>	\times	<input type="text"/>	$=$	<input type="text"/>
Tshivhalo tsha mbevha	Milenzhe nga tshipuka			



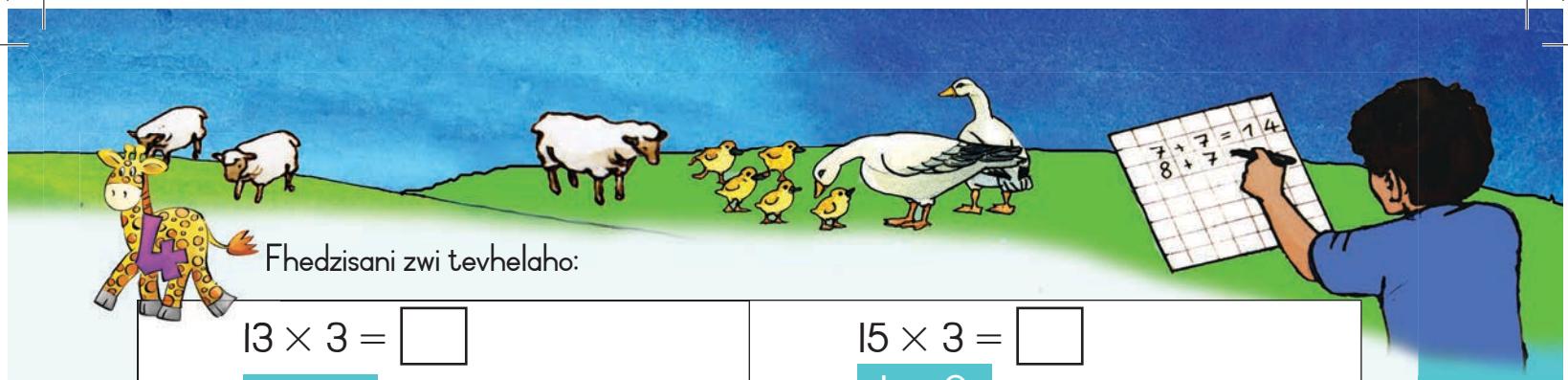
Fhedzisani zwi tevhelaho:

<input type="text"/> 3	<input type="text"/> 6	<input type="text"/> 9	<input type="text"/>						
<input type="text"/> 30	<input type="text"/> 27	<input type="text"/> 24	<input type="text"/>						



Fhedzisani zwi tevhelaho:

5 = maapula a <input type="text"/>	4 = miomva ya <input type="text"/>
6 = miomva ya <input type="text"/>	7 = maapula a <input type="text"/>



Fhedzisani zwi tevhelaho:

$$13 \times 3 = \boxed{}$$

$$= 1 \boxed{0} \boxed{3} \times 3$$

$$= \boxed{1} \boxed{0} + \boxed{3} \times 3$$

$$= \boxed{1} \boxed{0} \times 3 + \boxed{3} \times 3$$

$$= 30 + 9$$



$$15 \times 3 = \boxed{}$$

$$= \boxed{1} \boxed{0} \boxed{5} \times 3$$

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

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

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

$$= \boxed{}$$



Khonani mbili dzo wisa kheisi dzadzo dza penisela. Vha na tshiteshenari tshi no fana kwaa. Vha thuseni uri vha vhuyedzedze zwithu zwavho.



Fhedzisani zwi tevhelaho:

Kovhelani tshokoleithi iyi vhana vha 2 nga u edana.



Kovhelani malegere a 15 vhana vha 3 nga u edana.



Muñwe na muñwe
u wana

Muñwe na muñwe
u wana



Oiani tshifanyiso ni tshi sumbedza phindulo dzañu.

Kovhelani thofi dza 9 vhana vha 3 nga u edana.

Kovhelani vhana vha 3 kharayoni dza 16.
Hu do vha na khirayoni dici no do sala?

Muñwe na muñwe
u wana

Muñwe na muñwe
u wana



Teacher:

Sign:

Date:

11

12

13

14

15

16

17

18

19

20

114



Muandiso wo vanganaho

Deithi:

Themba ya 4

Lavhelesani zwi tevhelaho. Ni vhona mini?

$$5 + 5 + 5 = 15$$



$$\text{zvikhuvhugu zwa } 3 \text{ zwa } 5 = 15$$



$$3 \text{ andisa nga } 5 = 15$$

$$3 \times 5 = 15$$

$$5 \times 3 = 15$$

zwigwada zwa 3 zwa 5 ndi 15



Fhedzisani thebulu i re afho fhasi. Tsumbo i do ni dededza.

Pfukani u vhala	Zwigwadazwiedani	Mutanganyomudovholola	Mitevhe	Mbuno
3, 6, 9, 12		$3 + 3 + 3 + 3$	rou dza 3 dza 4 	$3 \times 4 = 12$ $4 \times 3 = 12$
		$4 + 4 + 4$		
				$6 \times 5 = 30$ $5 \times 6 = 30$
2, 4, 6, 8, 10, 12				



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



thanu nna	
6 kavhili (davhulu)	
6 andisa nga 5	
2 andisa nga 4	
8 andisa nga 2	

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



zwigwada zwa 3 zwa 2 ndi 6 kana 3 andisa nga 2 ndi 6 kana $3 \times 2 =$ <input type="text"/>	
zwigwada zwa 4 zwa 3 ndi 12 kana 4 andisa nga 3 ndi 12 kana $4 \times 3 =$ <input type="text"/>	
zwigwada zwa 6 zwa 3 ndi 18 kana 6 andisa nga 3 ndi 18 kana $6 \times$ <input type="text"/> = 18	

Mbalo (thaidzo): Hu na zwivhaleli zwiraru kha rou. Hu na rou dza 4. Hu na zwivhaleli zwingana zwo tangana zwothe? Olani tshifanyiso ni tshi sumbedza phindulo yanu.



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Muandiso munwe hafhu

Deithi:

Thembo ya 4



Sedzani tsumbo.



Muandiso ndi mini?

25 - 10 - 2013	
$4 \times 2 =$	8
$3 \times 4 =$	12
$4 \times 5 =$	20
$2 \times 6 =$	12
2 andisa nga 7 ndi vhugai?	

$$\begin{aligned}1 \times 5 &= 5 \\2 \times 5 &= 10 \\3 \times 5 &= 15 \\4 \times 5 &= 20 \\5 \times 5 &= 25 \\6 \times 5 &= 30 \\7 \times 5 &= 35 \\8 \times 5 &= 40 \\9 \times 5 &= 45 \\10 \times 5 &= 50\end{aligned}$$

Fhedzisani:

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

Shumisani ndila yanu kha u tandulula izwi.

12×2

16×2

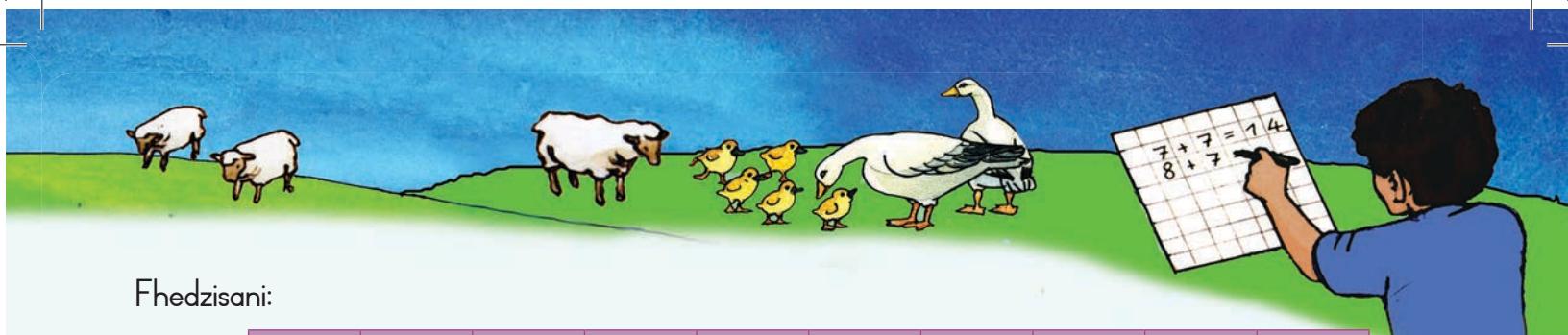
Fhedzisani

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

Shumisani ndila yanu kha u tandulula izwi.

13×3

15×3



Fhedzisani:

	1	2	3	4	5	6	7	8	9	10
$\times 4$	4	8	12							

Shumisani ndila yanu kha u tandulula izwi.

$$11 \times 4$$

$$14 \times 4$$

Fhedzisani:

	1	2	3	4	5	6	7	8	9	10
$\times 5$	5	10	15							

Shumisani ndila yanu kha u tandulula izwi.

$$12 \times 5$$

$$16 \times 5$$



Hu na maswiri a 12 tshikedzini. Hu na maswiri mangana:

Zwikedzini zwa 4?

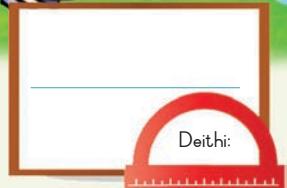
Zwikedzini zwa 5?

Zwikedzini zwa 3?

Zwikedzini zwa 2?



116a



Maðuvha a vhege

Themo ya 4

Dzudzanyani maleðere a maðuvha a Vhege.

uvhiliLavh

dahaSwon

mbuluwoMusu

uraruLavh

huñalav

ivhelaMug

hutanolav



Dzhenisani maðuvha a no khou tħahela.

Musumbuluwo

Lavhuraru

Swondaha

Lavhuvhili



Nwalani maðuvha a vhege.

Swondaha



Ndi maðuvha mangana u bva:

Musumbuluwo u swika Lavhuña?

Lavhuvhili u swika Lavhutanu?

Lavhuña u swika Mugivhela?



Hu na maðuvha mangana vhukati ha:

Lavhuvhili na Mugivhela?

Lavhuraru na Lavhutanu?

Lavhuña na Swondaha?



Minwedzi ya ḥwaha



Dzudzanyani maledere a minwedzi ya ḥwaha.

andoPh

huhiLu

Fulwana

medziTshi

raLa

avhusikuNyend

nguleT̄ha

lwiFu

muhweT̄hafa

unthuleShund

bamaiLam

bvumedziKhu



Hu na maduvha mangana kha ḥwedzi muñwe na muñwe?

Phando 31	Luhuhi	T̄hafamuhwe	Lambamai
Shundunthule	Fulwi	Fulwana	Thangule
Khubvumedzi	Tshimedzi	Lara	Nyendavhusiku



Dzhenisani ḥwedzi wo teaho.

Ni elelwe uri ndi dzina ḥa ḥwedzi, zwino li tea u thoma
nga lederedanzu



Ndi uf'lio u no rangela T̄hafamuhwe? _____

Ndi uf'lio u no rangela Fulwi? _____



Zwino ndi Fulwana. Hu na minwedzi mingana hu sa athu swika:

Khubvumedzi? _____

Duvha ḥanu ḥa mabebo? _____



11

12

13

14

15

16

17

18

19

20

llbb



Maduvha, vhege ya na miñwedzi

Deithi:

Themo ya 4

Nyendavhusiku 2015

Swondaha	Musumbuluwo	Lavhuvhili	Lavhuraru	Lavhuna	Lavhutangu	Mugivhela
I	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



Duvha la u thoma nga Nyendavhusiku ndi la vhungana? _____

Duvha la vhufumithanu nga Nyendavhusiku ndi la vhungana? _____

Duvha la vhufumbiliña nga Nyendavhusiku ndi la vhungana? _____

Duvha la vhufumimbili nga Nyendavhusiku ndi la vhungana? _____



Fhindulani mbudziso idzi:

Hu na maduvha mangana nga Nyendavhusiku? _____

Hu na Vhege ya nngana nga Nyendavhusiku? _____

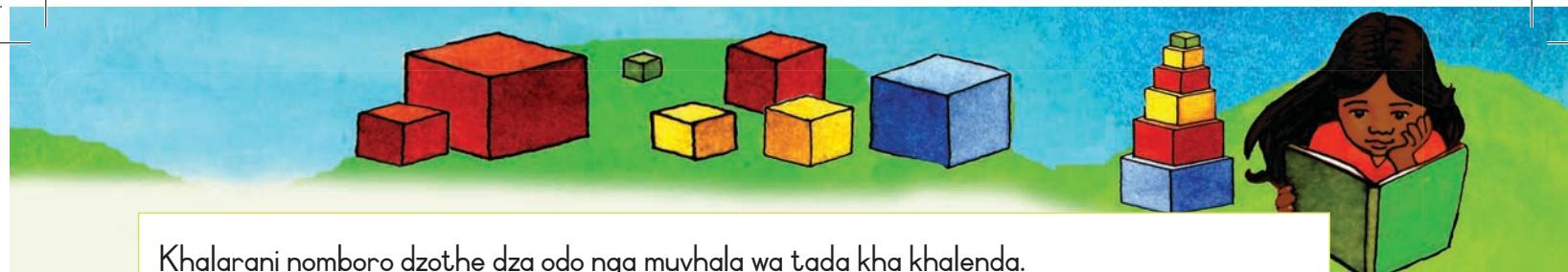
Hu na maduvha mangana kha Vhege ya? _____

Zwikolo zwi khou vala lini nga Nyendavhusiku? _____

Hu bvelela mini nga la 25 la Nyendavhusiku? _____

Hu bvelela mini nga la 31 la Nyendavhusiku? _____

Ndi duvha lifhio li no tevhela la 31 la Nyendavhusiku? _____



Khalaran i nomboro dzot̄he dza odo nga muvhala wa t̄ada kha khalenda.

Ni vhona mini? _____

Khalaran i ivini dzot̄he nga muvhala mutswuku kha khalenda.

Ni vhona mini? _____



Fhedzisani khalenda. Dzhenisani nwaha na deithi.

Lambamai _____

Swondaha	Musumbuluwo	Lavhuvhili	Lavhuraru	Lavhuña	Lavhutanu	Mugivhela



Ndi datumu if ho nga duvha lif hio?

	Deithi	Duvha



Ndi mađuvha mangana u bva kha:

	u ya kha:		



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Zwiñwe hafhu nga phetheni dza nomboro

Themo ya 4

Talutshedzani phetheni dici re kha bodo iñwe na iñwe.

I01	I02	I03	I04	I05	I06	I07	I08	I09	I10
II1	II2	II3	II4	II5	II6	II7	II8	II9	I20
I21	I22	I23	I24	I25	I26	I27	I28	I29	I30
I31	I32	I33	I34	I35	I36	I37	I38	I39	I40
I41	I42	I43	I44	I45	I46	I47	I48	I49	I50

I51	I52	I53	I54	I55	I56	I57	I58	I59	I60
I61	I62	I63	I64	I65	I66	I67	I68	I69	I70
I71	I72	I73	I74	I75	I76	I77	I78	I79	I80
I81	I82	I83	I84	I85	I86	I87	I88	I89	I90
I91	I92	I93	I94	I95	I96	I97	I98	I99	200



Fhedzisani phetheni.

I	2	3	4	5	6	7	8	9	10
II	12	I3	I4	I5	I6	I7	I8	I9	I20
2I	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50
5I	52	53	54	55	56	57	58	59	60
6I	62	63	64	65	66	67	68	69	70
7I	72	73	74	75	76	77	78	79	80
8I	82	83	84	85	86	87	88	89	90
9I	92	93	94	95	96	97	98	99	100
I0I	I02	I03	I04	I05	I06	I07	I08	I09	I10
III	II2	II3	II4	II5	II6	II7	II8	II9	I20
I2I	I22	I23	I24	I25	I26	I27	I28	I29	I30
I3I	I32	I33	I34	I35	I36	I37	I38	I39	I40
I4I	I42	I43	I44	I45	I46	I47	I48	I49	I50
I5I	I52	I53	I54	I55	I56	I57	I58	I59	I60
I6I	I62	I63	I64	I65	I66	I67	I68	I69	I70
I7I	I72	I73	I74	I75	I76	I77	I78	I79	I80
I8I	I82	I83	I84	I85	I86	I87	I88	I89	I90
I9I	I92	I93	I94	I95	I96	I97	I98	I99	200



Tangedzelani ya odo kana ivini.

	4	19	21
odo	ivini	odo	ivini
26		20	
odo	ivini	odo	ivini



Dzhenisani nomboro yo ṭahelaho ni tshi f'hedzisa phethenindovhololi.

33, 39, 33, , 33, 39, 33, 39

96, 74, 96, 74, 96, 74, 96,

38, 45, 38, 45, , 45

49, 5, 46, 20, 49, 5, , 20, 49, 5, 46, 20, 49, 5, 46

, 78, 21, II, 78, 21, II, 78, 21, II

Tangedzalani nomboro nga
mivhala uri zwi ni thuse u
tandulula mbalo.



Dzhenisani nomboro yo ṭahelaho ni tshi f'hedzisa phethenindovhololi.

55, 21, 19, 63, 55, 21, 19, 63, 55, 21, 19, 63, 55, 21, 19,

18, 28, 36, 18, 28, 36, 18, 28, 36, 18, 28, 36, 18,

II, 76, II, 76, II, 76, II, 76,

60, 91, 94, 60, 91, 94, 60, 91, 94, 60,

28, 47, 78, 28, 47, 78, 28, 47, 78, 28, 47, 78, 28,



Teacher:

Sign:

Date:

U kovhekana nga u lingana zwi ri isa kha furakhisheni (zwipida)

Deithi:

Themo ya 4



Zwino kovhelani vhana vha 3 mabaphathi a 6 a tshokoleithi.



Ni na khekhe dza 3. dzi kovheni nga u lingana kha khonani dza 4.

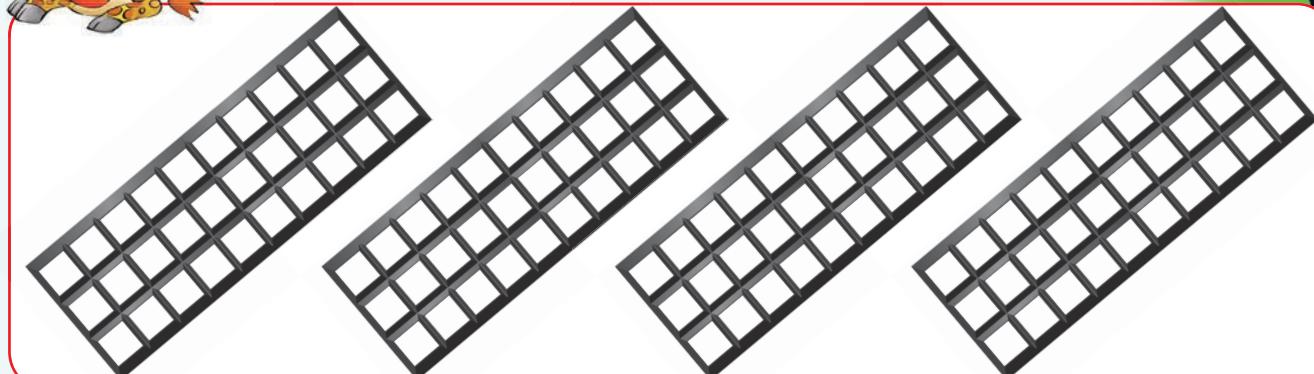
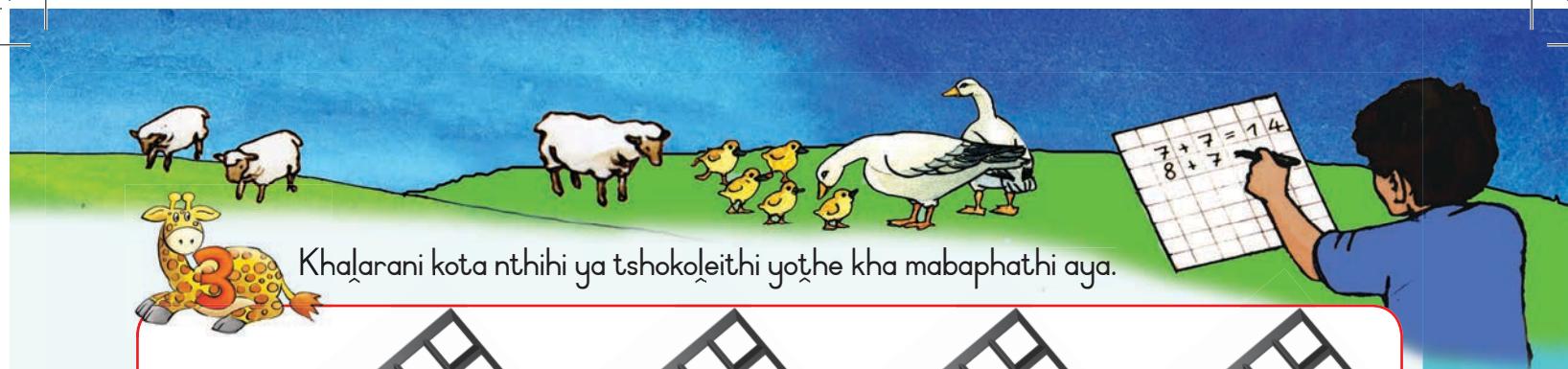


Sumbedzani phindulo yanu nga u ola tshifanyiso afho fhasi.

Nwana muñwe na muñwe u wana tshararu tsha tshokoleithi.

Sumbedzani phindulo yanu nga u ola tshifanyiso afho fhasi.

Nwana muñwe na muñwe u wana _____ tsha khekhe.



Ndi zwibuloko zwingana zwa tshokoleithi zwi no ita kota? _____

Khalarani tshathhanu tsha tshokoleithi dzot̄he kha mabaphathi aya. _____



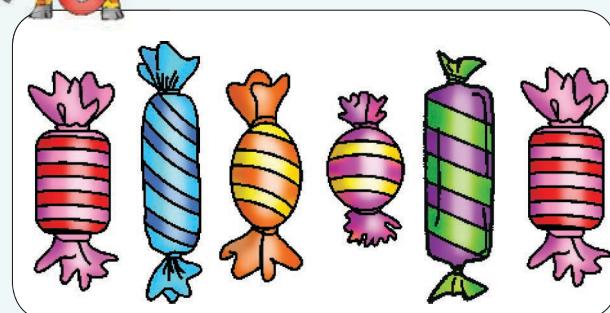
Sumbedzani hafu ya zwi tevhelaho.



Sumbedzani tshararu tsha malegere.



Sumbedzani tsharathi tsha malegere.



Kovhelani khonani nna mabaphathi a II a tshokoleithi lune vhot̄he vha wana tshivhalo tshi no fana tsha tshokoleithi ha vha hu songo sala tshithu.

Teacher:
Sign:
Date:

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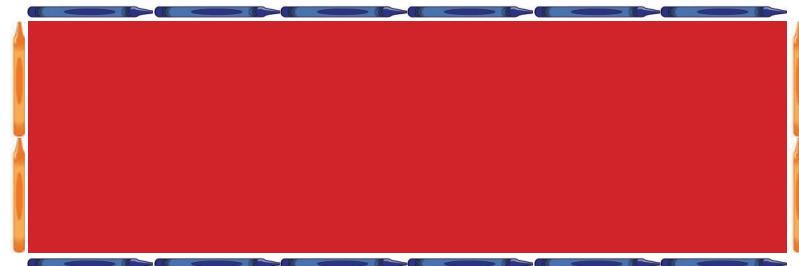


Vhulapfu

Themo ya 4



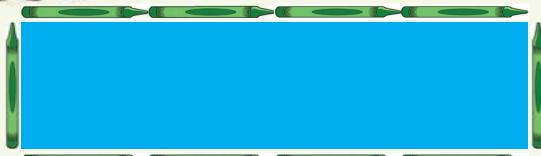
Ndi sia lifhio la rekithiengeli line la vha li pfufhisa? Li lapfusa?



Sia lilapfu ndi khirayoni dza _____.
Sia lipfufhi ndi khirayoni dza _____.



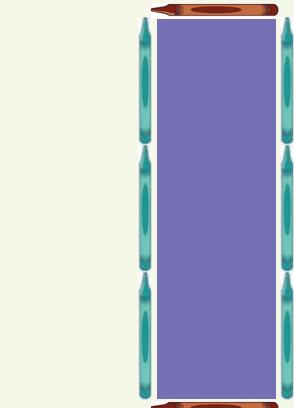
Fhindulani zwi tevhelaho.



Sia lilapfu ndi khirayoni dza _____.
Sia lipfufhi ndi khirayoni dza _____.



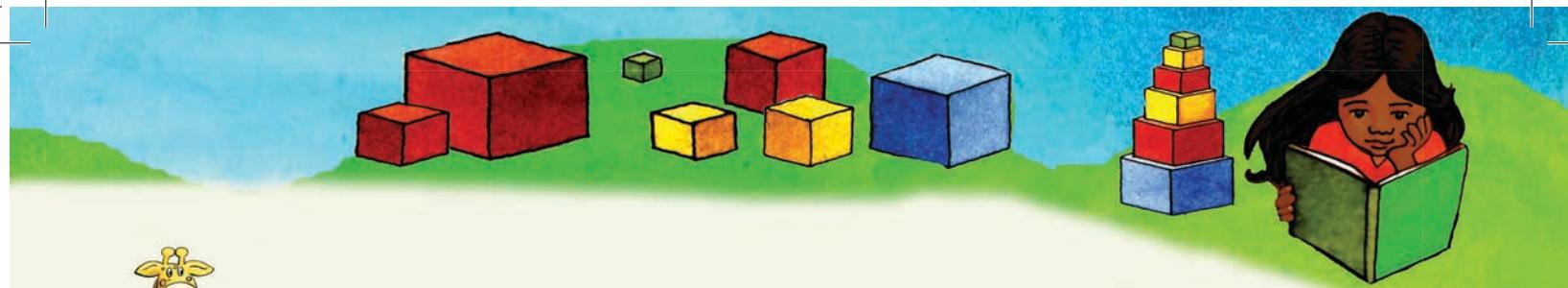
Sia lilapfu ndi khirayoni dza _____.
Sia lipfufhi ndi khirayoni dza _____.



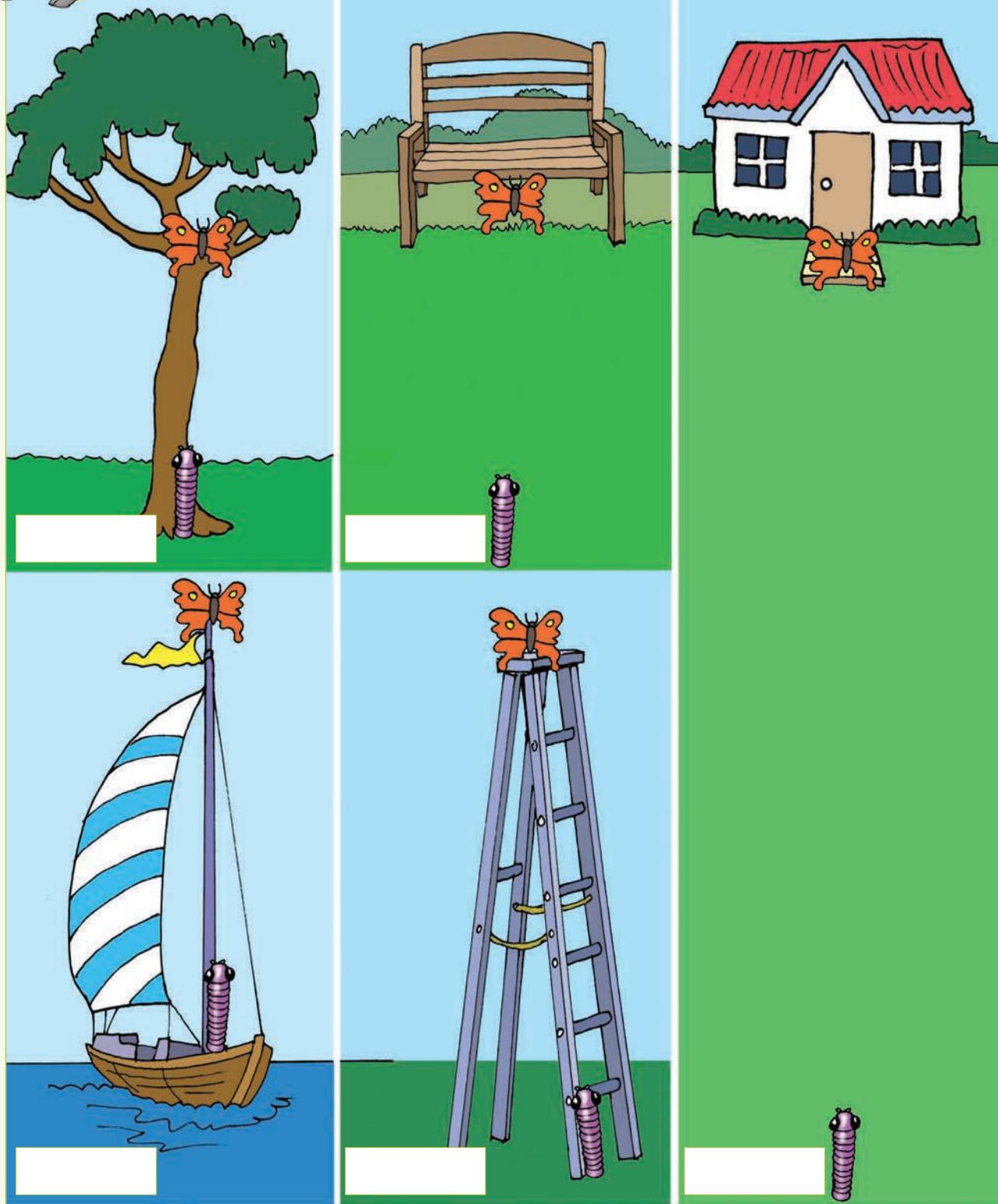
Sia lilapfu ndi khirayoni dza _____.
Sia lipfufhi ndi khirayoni dza _____.



Sia lilapfu ndi khirayoni dza _____.
Sia lipfufhi ndi khirayoni dza _____.



Arali zwivhungu zwa nga bevana, zwi do dzhia zwivhungu zwingana u swika kha tshisu?

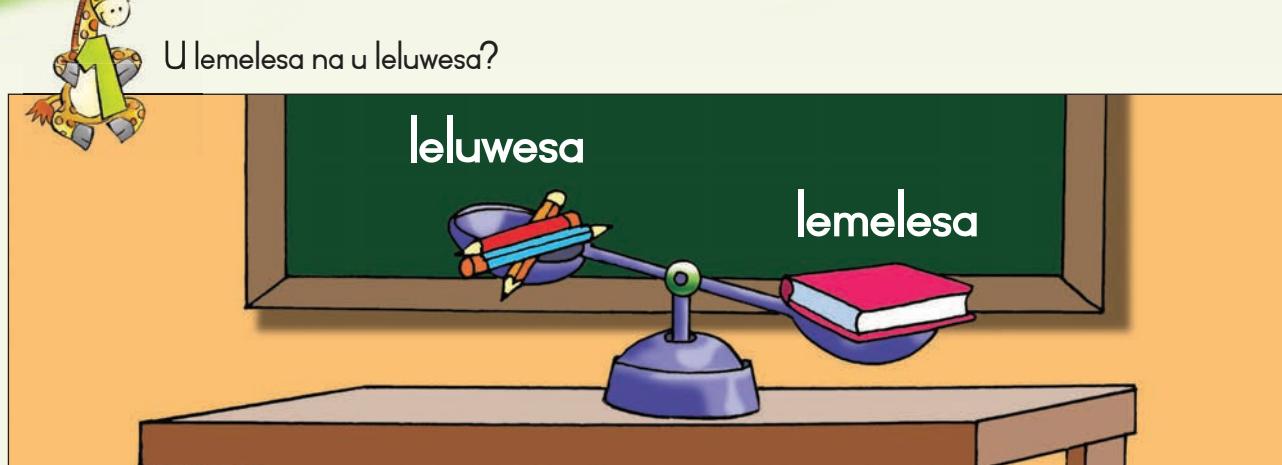


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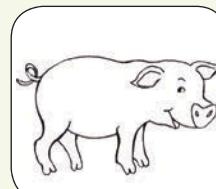
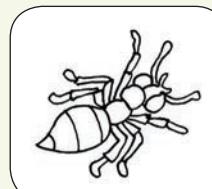
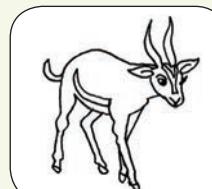
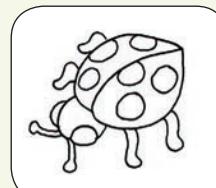
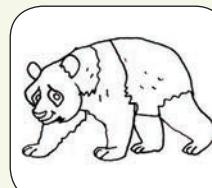
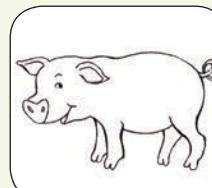
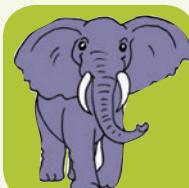


Themoo ya 4

U lemelesa na u leluwesa



Khalaranı tshifanyiso kana zwifanyiso zwi no sumbedza zwithu zwi no lemela u fhira zwi re kha tshibułoko tshidala.



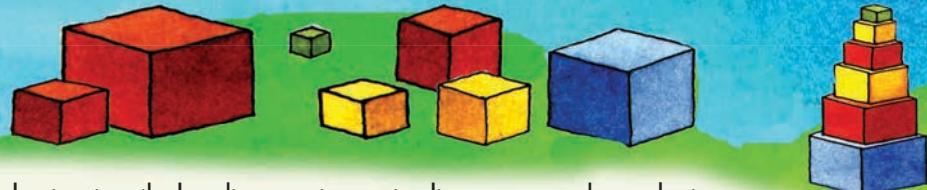
Khalaranı tshifanyiso kana zwifanyiso zwi no sumbedza zwithu zwi no leluwa u fhira zwi re kha tshibułoko tshidala.



Lavhelesani tshifanyiso. Wanani zwifanyiso zwa 2 zwa zwithu zwine zwa leluwa.
Zwi nambatedzeni hafha.



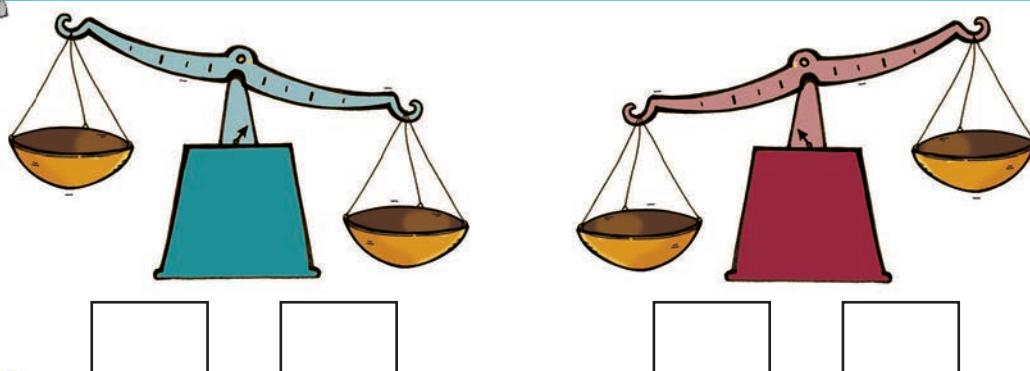
Bulani uri zwikalondinganyiso zwi a lingana naa kana hai.



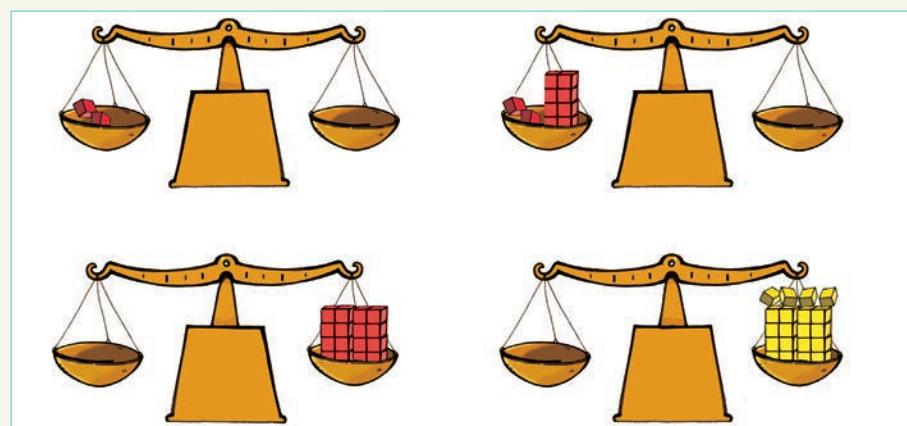
Itani uri zwikalondinganyiso zwi lingane. Itani nyolo kha zwikalo zwi si na tshithu.



Olani tshifanyiso tsha uri zwikalondinganyiso zwi vhe zwone.



Engedzani zwibułoko uri zwikalo zwi lingane $\textcolor{red}{\blacksquare} = \textcolor{yellow}{\blacksquare} \textcolor{yellow}{\blacksquare}$



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U kovhekana nga u lingana zwi ri isa kha furakhisheni (zwipida) hafhu

Deithi:

Themo ya 4

Kovhelani khonani tharu maapula aya.



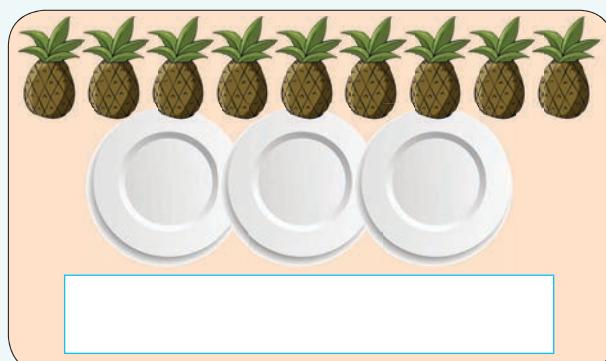
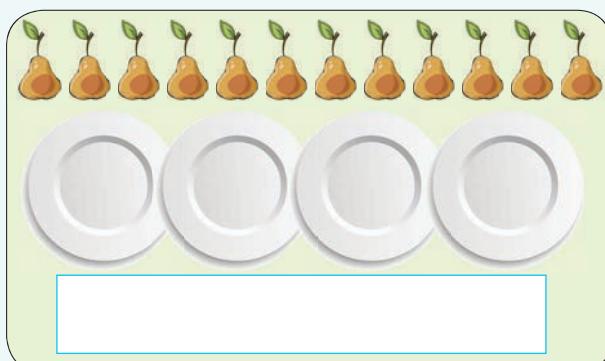
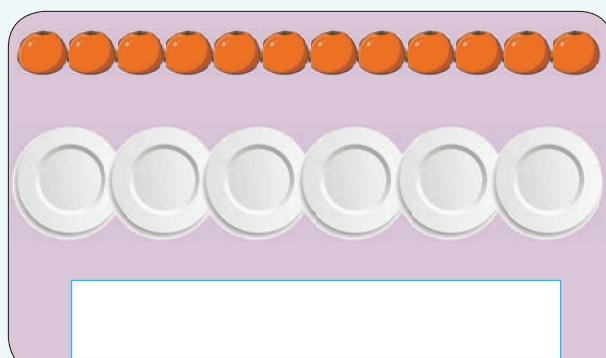
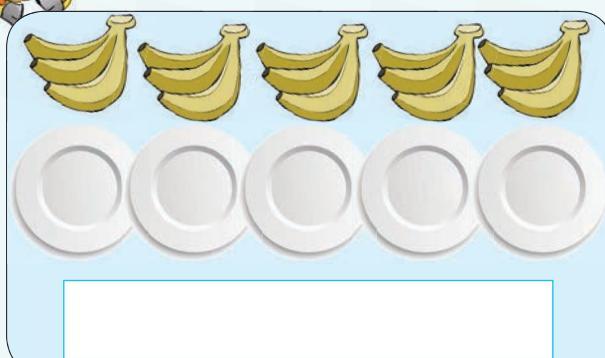
Muñwe na muñwe u wana maapula mangana?

Muñwe na muñwe u wana furakhisheni nngafhani ya maapula? Tshararu.



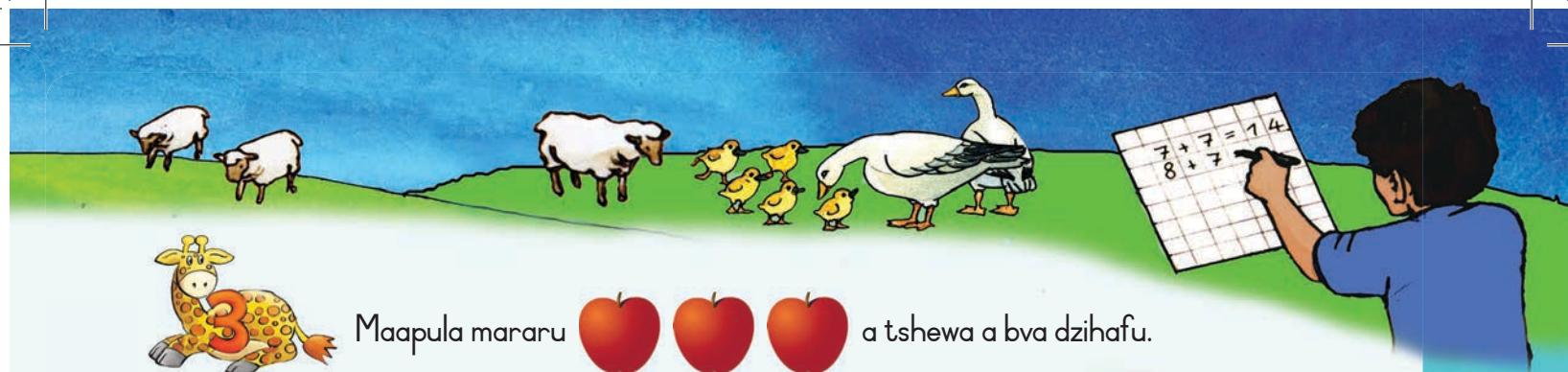
Lavhelesani tsumbo i re afho nthā ni fhedzise zwi tevhelaho.

- Kovhelani zwivhalo zwe fhambananaho zwa dzikhonani mitshelo iyi.
- Bulani uri khonani iñwe na iñwe i wana furakhisheni nngafhani.



Makhulu vha fha Kutelani maswiri a 12. Kutelani u ita dzhusi nga tshararu tshao. O shumisa maswiri mangana?

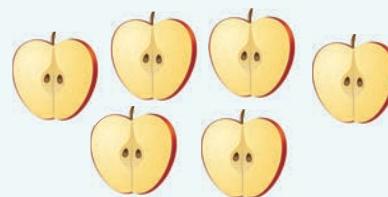




Maapula mararu



a tshewa a bva dzihafu.



Ndi vhana vhangana vhane muñwe na muñwe wavho

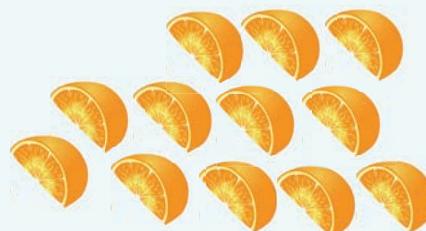
a do wana hafu? _____



Maswiri mana



a tshewa a bva zwipiða zwa tshararu.



Ndi vhana vhangana vhane muñwe na muñwe wavho

a do wana tshararu? _____



Mabvani mavhili



a tshewa a bva zwipiða zwa tsharathi.



Ndi vhana vhangana vhane muñwe na muñwe wavho a

do wana tsharathi? _____



Mugudisi wa netibolo vha ñea mutambi muñwe na muñwe swiri. Hu na vhatambi vha 14. Vha fanelu u vha na maswiri mangana?



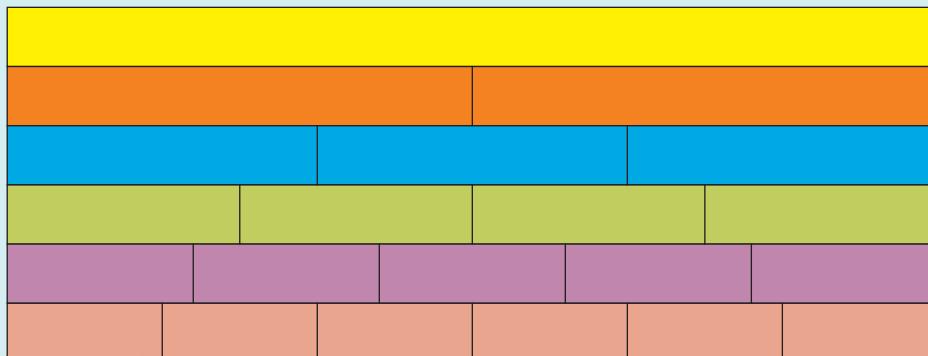
Teacher:
Sign:
Date:

Furakhisheni

Deithi:

Themo ya 4

Lubannda luñwe na luñwe lu amba mini? Maiþfi a re kha tsha monde a nga ni thusa.



tshararu

tshath^hanu

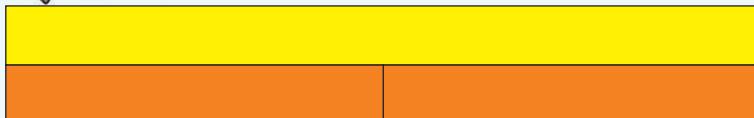
hafu

tsharathi

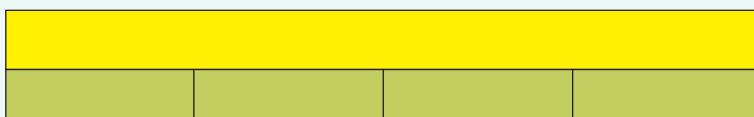
kota



Fhedzisani zwi tevhelaho.



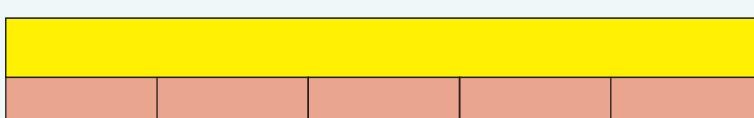
Hafu dza 2 dzi fana na _____ yo^hte.



Kota dza 4 dzi fana na _____ yo^hte.



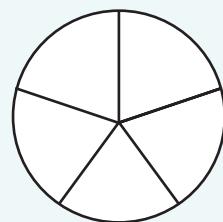
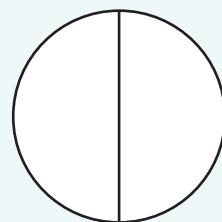
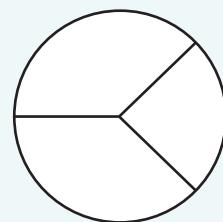
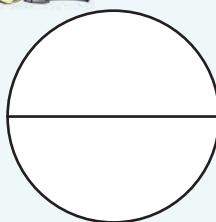
Zwararu zwa 3 zwi fana na _____ yo^hte.

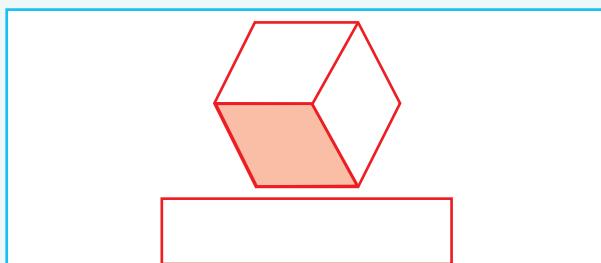
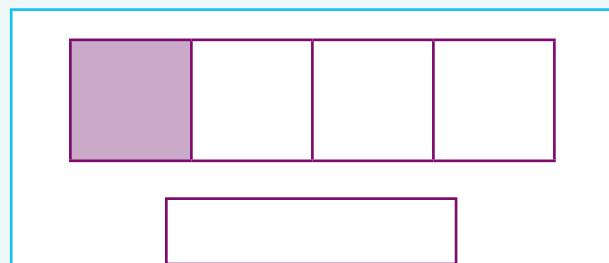
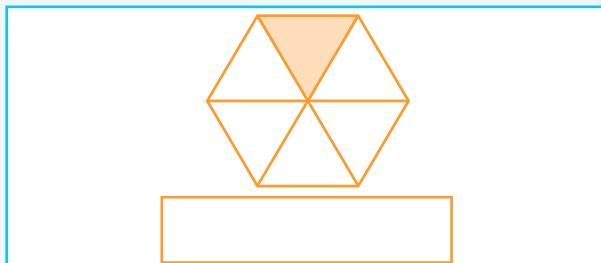
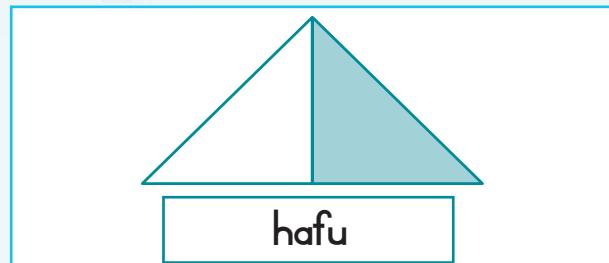


Zw^hthanu zwa 5 zwi fana na _____ yo^hte.

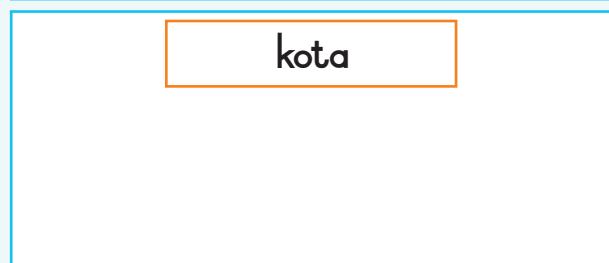
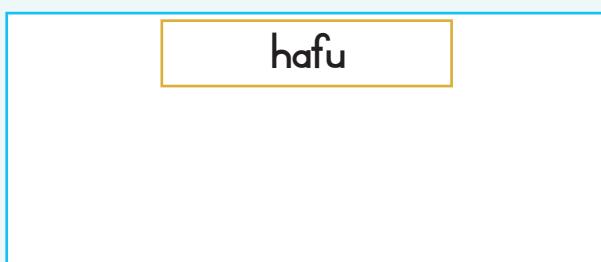
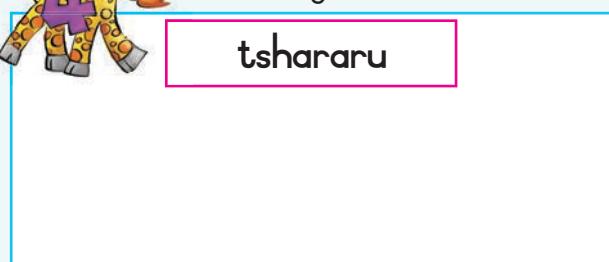


Khalarani zwi tevhelaho. Ni vhona mini?





Olani zwifanyiso ni tshi sumbedza zwi tevhelaho. Shumisani zwikwea, rekithiengele na zwitendeledzi.



Humbelani mubebi kana muundi wanu zwine a do renga:

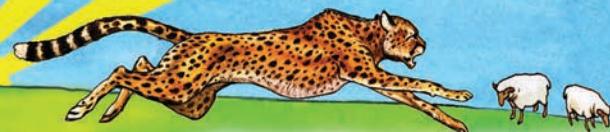
• Hafu nthihi ya:

• Tshararu tsha:

• Kota ya:

• Tsharathi tsha:





Furakhisheni hafhu

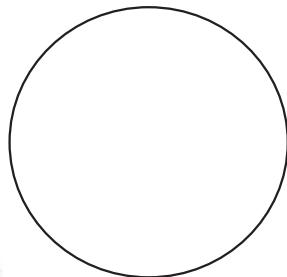
Themo ya 4

Ni nga tama u la tshilai tsha ifhio khekhe? Ngani?

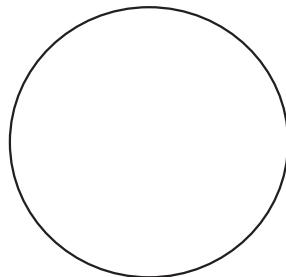


Khonani yanu u ni humbela uri ni kovhekanye pitza i bve zwilai zwi no lingana.
Olani tshifanyiso ni tshi sumbedza tshiñwe na tshiñwe tsha izwi.

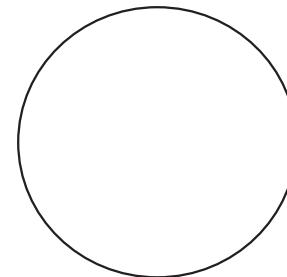
Dzihafu



Zwa tshararu



Dzikota



Itani thiki kha phindulo i re yone.

Inwi na khonani yanu no la hafu mbili dza pitza. No la nngafhani?

- Hafu nthihi ya pitza kana
- Pitza yo $\ddot{\text{e}}$ he?

Thamba, Sipho na John vho la zwararu zwa pitza. Vho la pitza nngafhani?

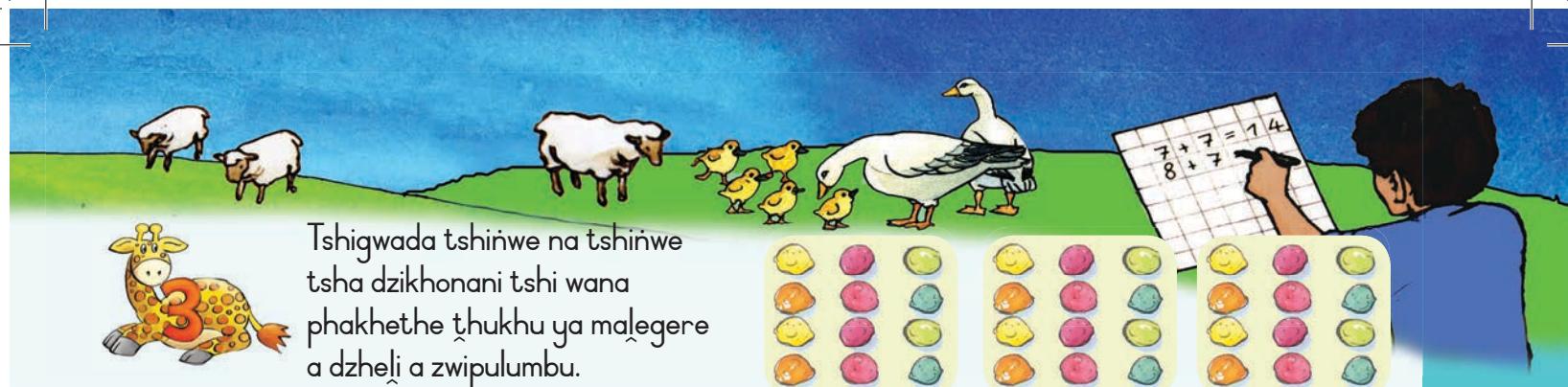
- Tshararu tsha pitza kana
- Pitza yo $\ddot{\text{e}}$ he?

Lufu, Sundani, Lerato na Palesa vho la pitza nthihi yo $\ddot{\text{e}}$ he. Vho la pitza nngafhani?

- Kota nthihi kana
- Kota nna?

Fhindulani mbudziso dzi tevhelaho:

- Arali nda khethekanya pitza ya bva zwat $\ddot{\text{a}}$ hanu, ndi zwat $\ddot{\text{a}}$ hanu zwingana zwine ra tea u la uri ri vhe ro la pitza yo $\ddot{\text{e}}$ he? _____
- Arali nda khethekanya pitza ya bva zvarathi, ndi zvarathi zwingana zwine ra tea u la uri ri vhe ro la pitza yo $\ddot{\text{e}}$ he? _____



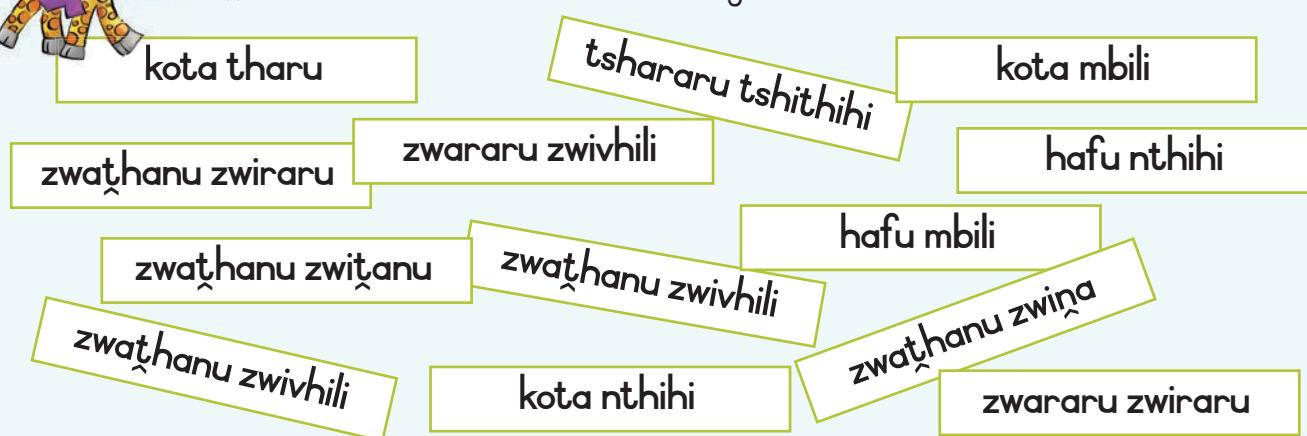
Tshigwada tshiñwe na tshiñwe
tsha dzikhonani tshi wana
phakhethé thukhu ya malegere
a dzheli a zwipulumbu.



Tshigwada	1	2	3
Vhana vha re kha tshigwada	2	3	4
Khonani iñwe na iñwe i ðo wana malegere mangana a dzheli a zwipulumbu arali vho kovhelwa a no lingana?			
Itani thiki kha tshigwada tshine na tama u vha khatsho. Ndi ngani?			
Zwi tevhelaho zwi ðo vha malegere mangana? Ni vhona mini?	Hafu mbili	Zwararu zwiraru	Kota nña



Khalarani furakhisheni i no fana na nthihi yothe.



Ni nga takalela zwifhio, kota nña dza tshikoleithi kana tshokoleithi nthihi yothe? Ndi ngani?



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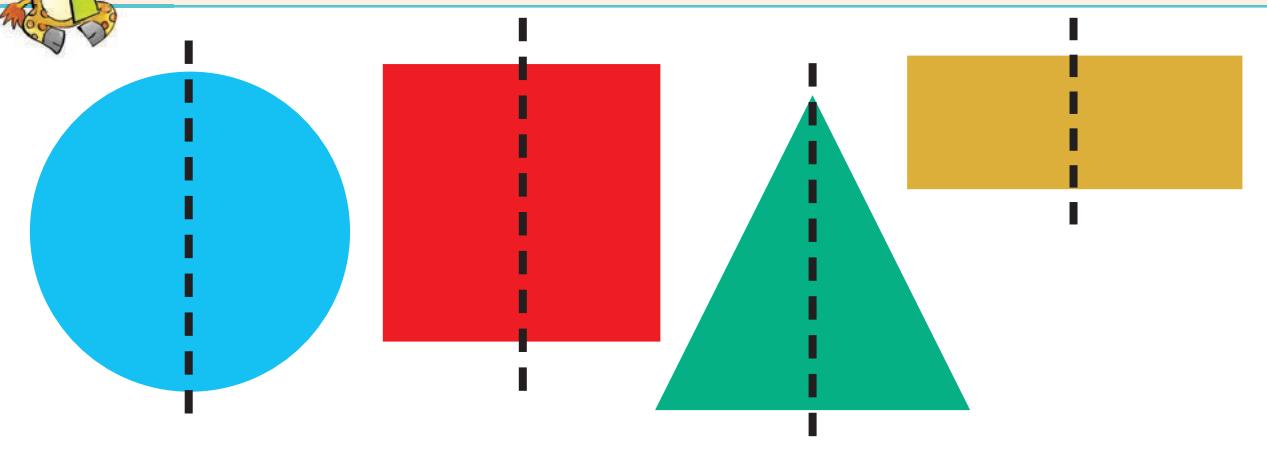
Ndinganahuvhili na zwivhumbeo

Themo ya 4

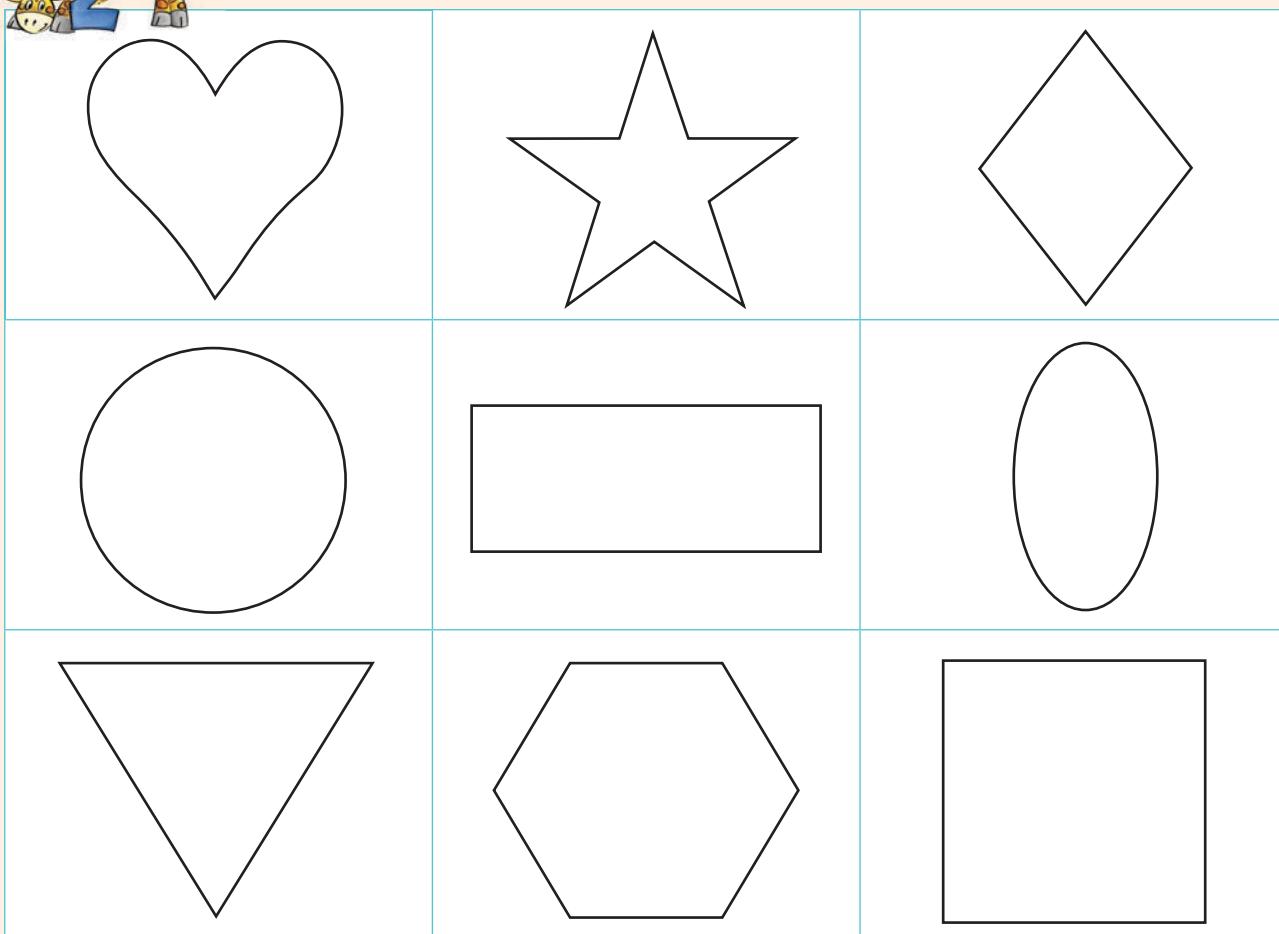


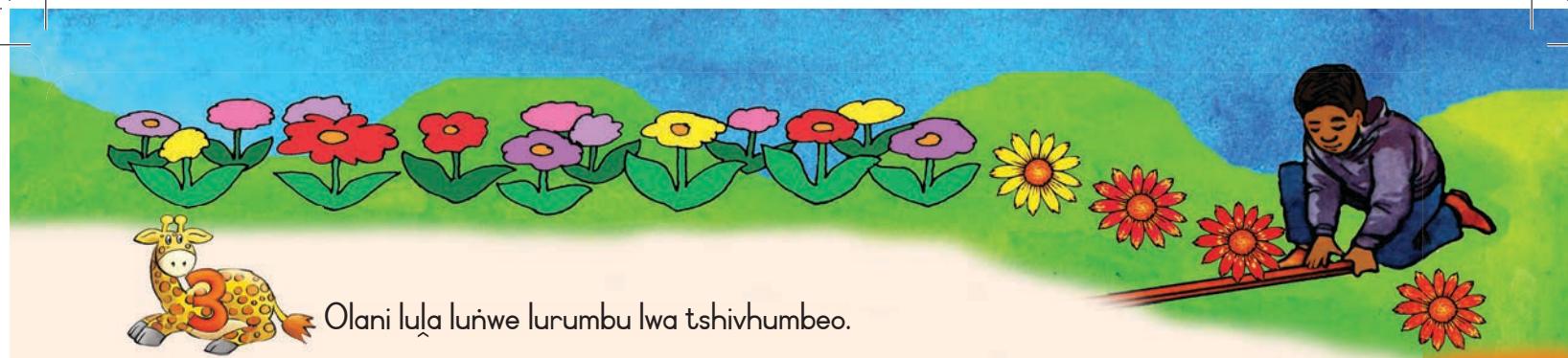
Lavhelesani zwifanyiso zwa zwivhumbeo. Lurumbu luthihi lwa tshivhumbeo lu fana na lula luñwe? Zwi kha ndinganyahuvhili?

Deithi:

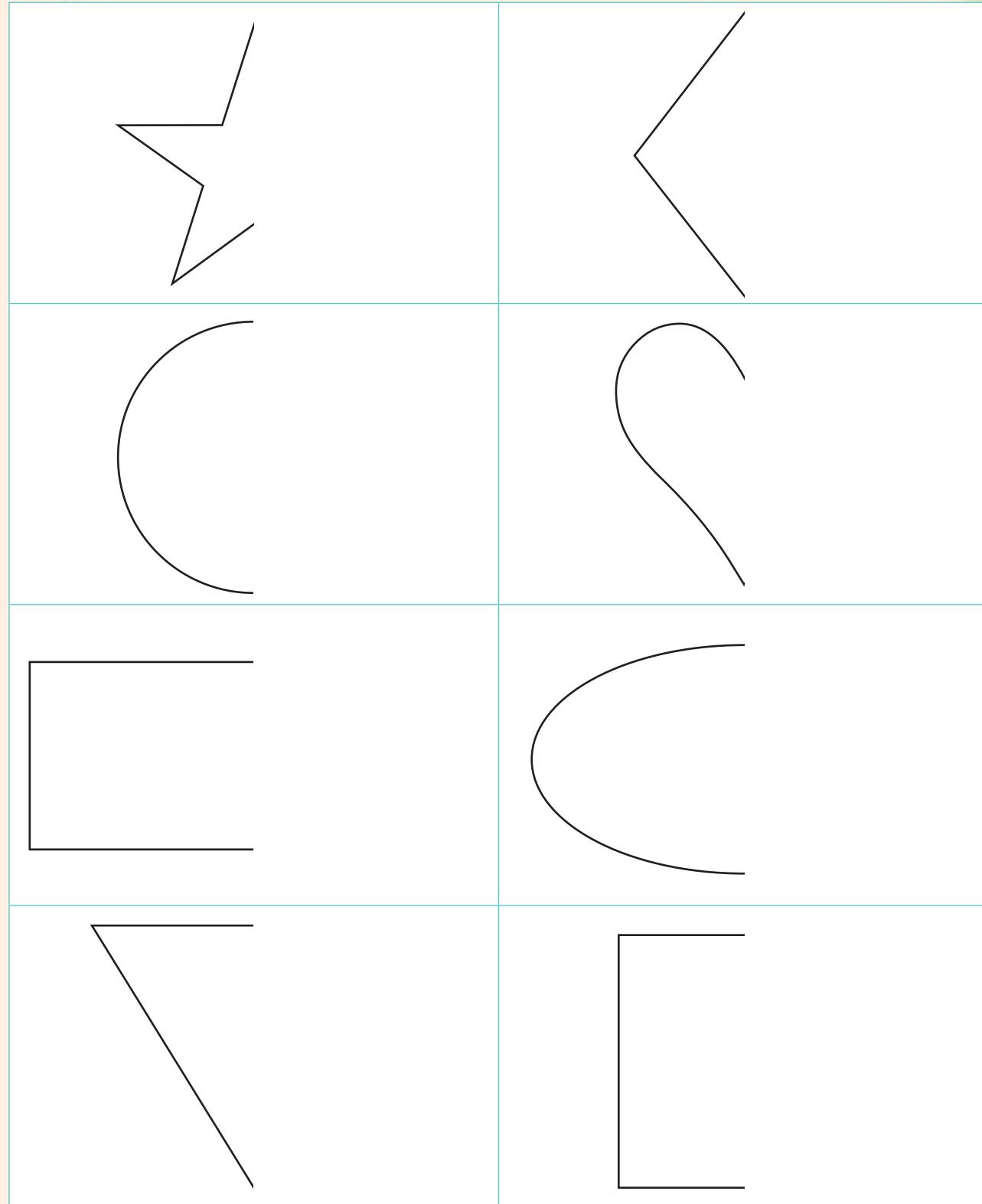


Talani mutalo u itela uri lurumbu luthihi lwa tshivhumbeo lu fane na lula luñwe.





Olani lula lunwe lurumbu lwa tshivhumbeo.





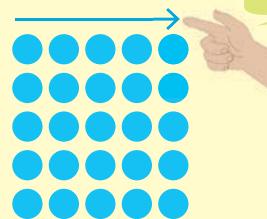
Mitevhe na furakhisheni

Deithi:

Themo ya 4

Kha vha nee vhagudi zwifanyiso zwi tevelahao. Kha vha vha vhudzise uri vha nga kona u rekanya zwithu nga luvhilo lu ngafhani?

Hei ndi kholomo.



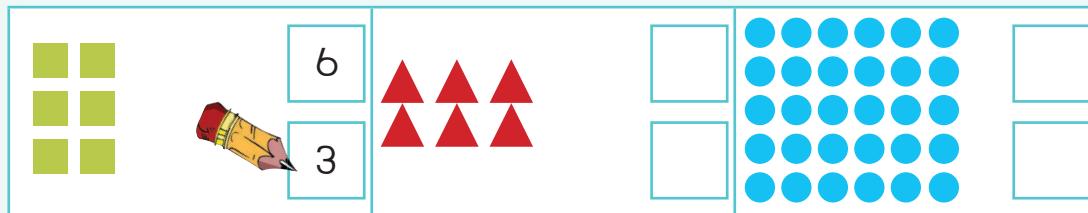
Hei ndi rou.



No shumisa kholomo na rou nga ndilade uri zwi ni thuse?



Hu na zwivhumbeo zwingana? Hafu nthihi ya zwivhumbeo ndi mini?



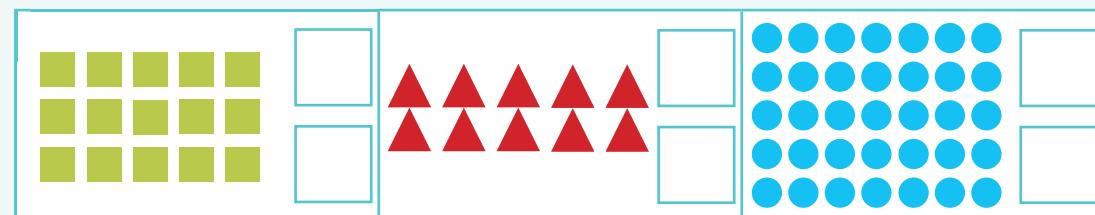
Hu na zwivhumbeo zwingana? Tshararu tshithihi tsha zwivhumbeo ndi mini?

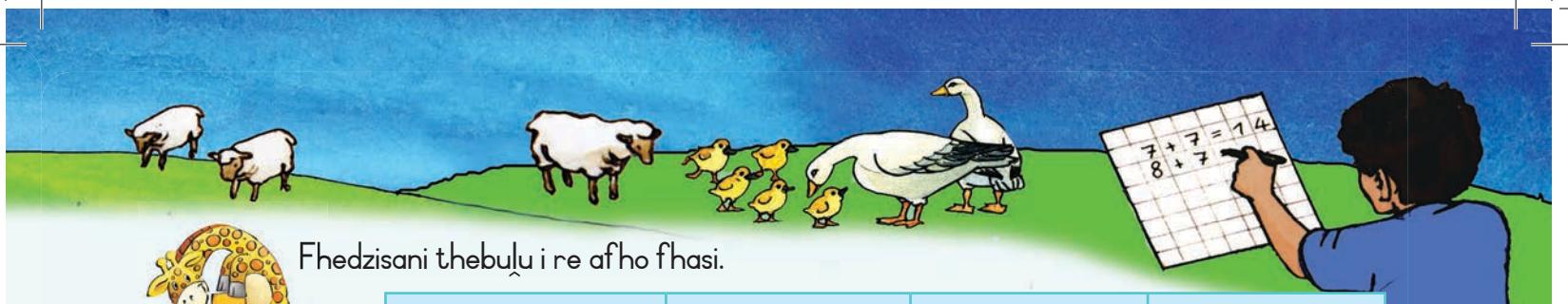


Hu na zwivhumbeo zwingana? Kota nthihi ya zwivhumbeo ndi mini?



Hu na zwivhumbeo zwingana? Tshathantu tshithihi tsha zwivhumbeo ndi mini?





Fhedzisani thebulu i re afho fhasi.



	Fhungombalo la muandiso	Fhungombalo la mukovho	Ndi mini	Ndi mini
	$2 \times 3 = 6$ kana $3 \times 2 = 6$	$6 \div 2 = 3$ kana $6 \div 3 = 2$	hafu nthihi ya zwithu ndi mini? 3	tshararu tshithihi tsha zwithu ndi mini? 2 
			tshararu tshithihi tsha zwithu ndi mini?	kota nthihi ya zwithu ndi mini?
			kota nthihi ya zwithu ndi mini?	tshat hanu tshithihi tsha zwithu ndi mini?

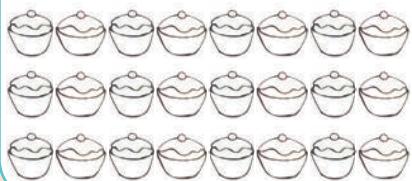


Shumisani mitevhe kha u sumbedza:

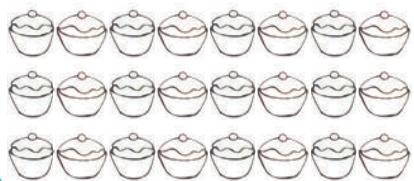
Kota nthihi ya malegere a 12.	Tshararu tshithihi tsha malegere a 12.	Hafu nthihi ya malegere a 12.
-------------------------------	--	-------------------------------

Mme anga vho baka khekhe ya khaphu dza 24 vha tshi bakela iñwe na iñwe ya indasitirii dza mahayani dzi tevhelaho. Avha vhathe vho oda: Ni vhe na vhutanzi uri ni shumisa zwifanujo zwa khekhe ya khaphu uri zwi ni dededze.

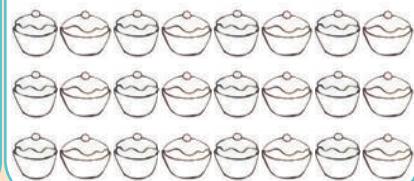
hafu nthihi ndi dza sitiroberi
ngeno dzinwe dzothe dzi
dza vanila



kota nthihi ndi dza tshokoleithi
ngeno dzinwe dzothe dzi
dza vanila



tshararu tshithihi ndi tsha
sitiroberi ngeno dzinwe
dzothe dzi dza vanila



Teacher: _____
Sign: _____
Date: _____



Furakhesheni ya tshikhuvhugu tsha zwithu

Deithi:

Themo ya 4

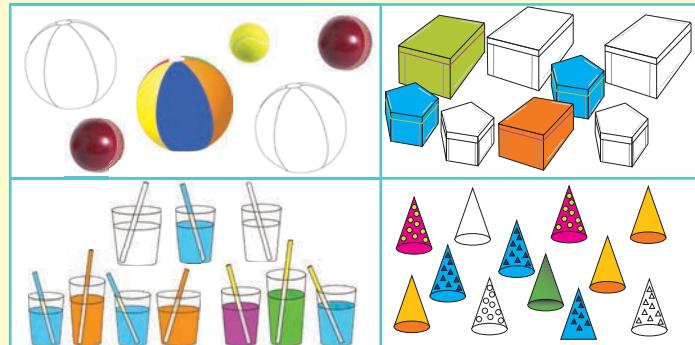
Lavhelesani ḥhalutshedzo idzi ni dzi livhanye na zwifanyiso u itela u sumbedza uri ho khalariwa furakhisheni nngaf'hani ya zwithu. Ambani ngazwo.

Hafu ya l ya tshikhuvhugu tsha zwithu

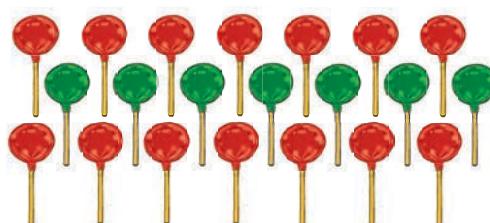
Tshararu tsha l tsha tshikhuvhugu tsha zwithu

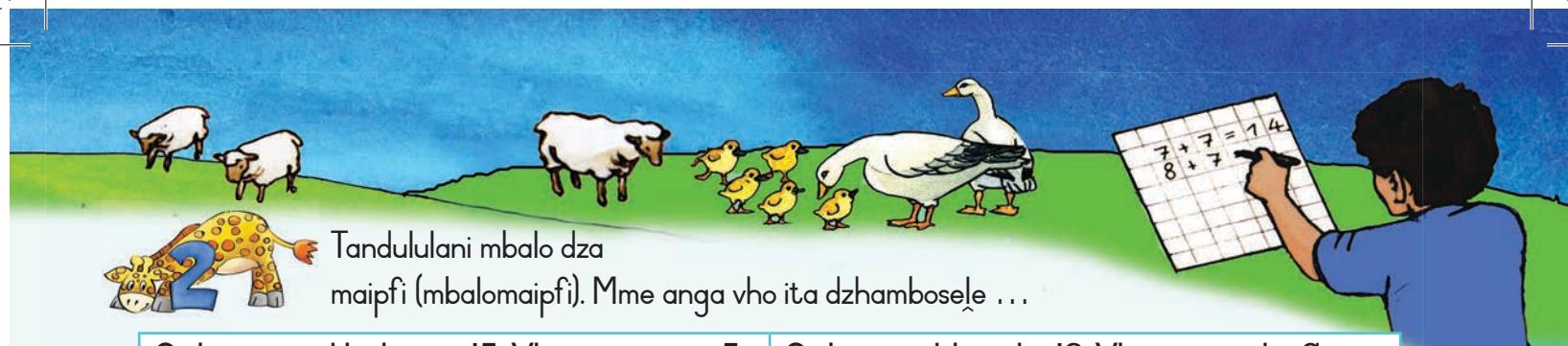
Kota ya l ya tshikhuvhugu tsha zwithu

Tshathantu tsha l tsha tshikhuvhugu tsha zwithu



Vhumbani fhungo ļanu inwi muñe nga zwifanyiso zwe re afho fhasi. Ni tea u dzenisa maipfi a no amba nga furakhisheni mafhungoni ayo.





Tandululani mbalo dza
maipfi (mbalomaiipfi). Mme anga vho ita dzhambosele ...

O vha e na zwikhipha zwa 15. Vha rengisa zwa 5.
Ndi furakhisheni nngafhani ye vha rengisa?
Talelani mbudziso. Nomboro dzi re khulwane
(dza khii) ndi dzifhio? _____
Olani tshifanyiso ni tshi sumbedza phindulo yanu.

O vha e na dzhesi dza 18. Vha rengisa dza 9.
Ndi furakhisheni nngafhani ye vha rengisa?
Olani tshifanyiso ni tshi sumbedza phindulo yanu.
Talelani mbudziso. Nomboro dzi re khulwane
(dza khii) ndi dzifhio? _____
Olani tshifanyiso ni tshi sumbedza phindulo yanu.

O vha e na zwikete zwa 12. A rengisa zwa 3.
Ndi furakhisheni nngafhani ye vha rengisa?
Talelani mbudziso. Nomboro dzi re khulwane
(dza khii) ndi dzifhio? _____
Olani tshifanyiso ni tshi sumbedza phindulo yanu.

O vha e na badzhi dza 20. Vha rengisa dza 4.
Ndi furakhisheni nngafhani ye vha rengisa?
Talelani mbudziso. Nomboro dzi re khulwane
(dza khii) ndi dzifhio? _____
Olani tshifanyiso ni tshi sumbedza phindulo yanu.

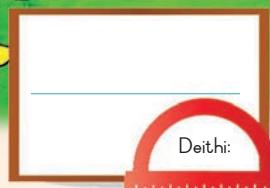
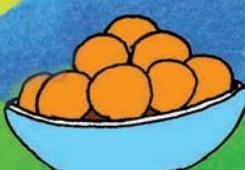


Ndi furakhisheni nngafhani ya khekhe dza khaphu dzine dza vha na aisiini ya muomva? _____

Aisiini ya sitiroberi? _____ Aisiini ya babulugamu? _____



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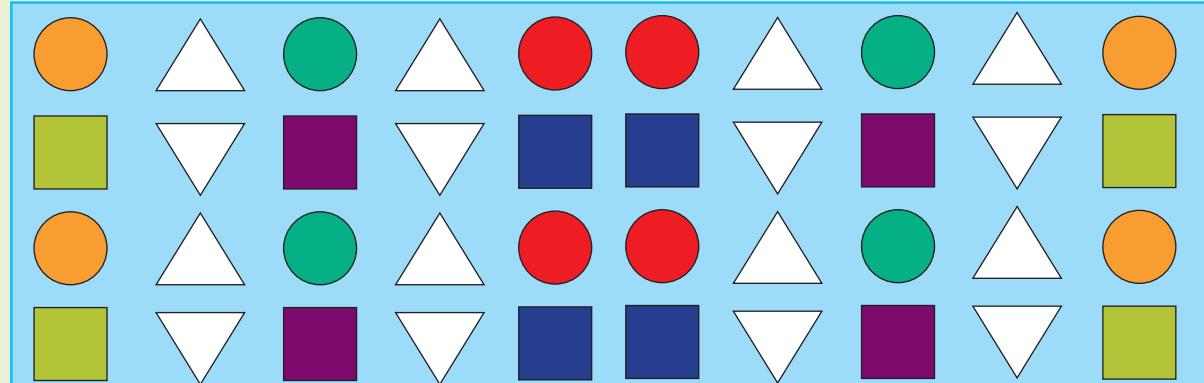


Deithi:

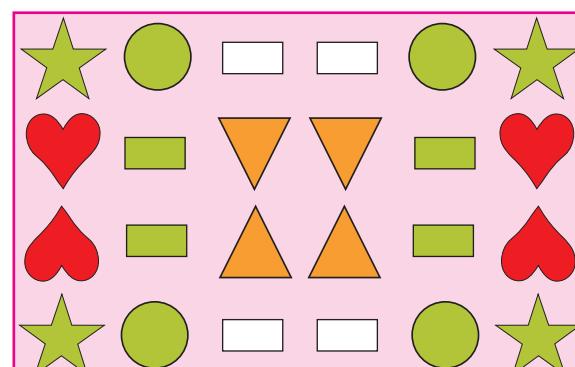
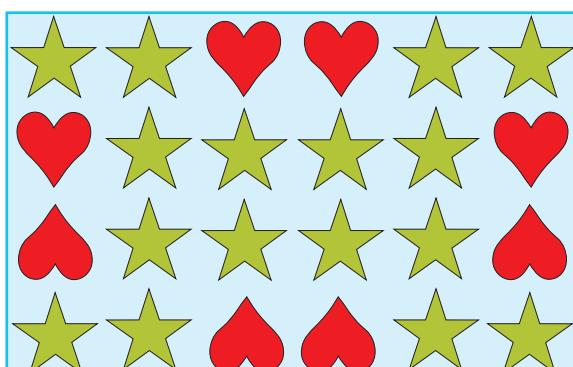
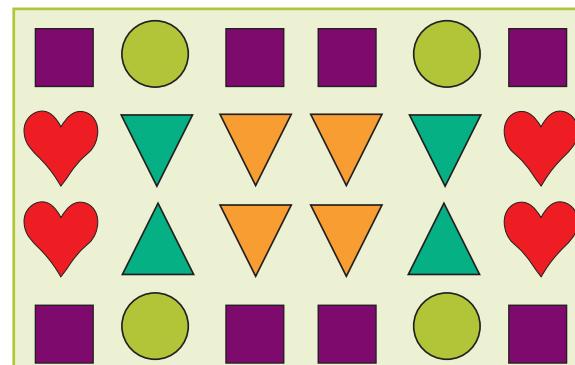
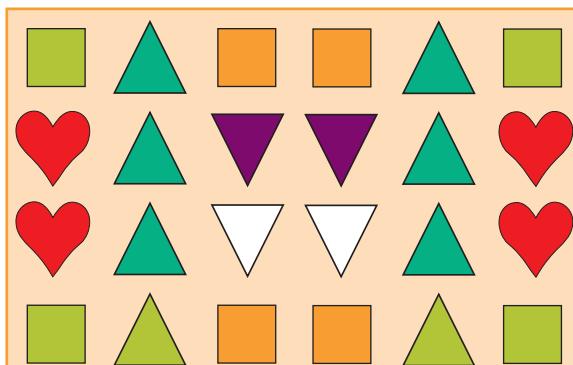
Ndinganahuvhili kha phetheni

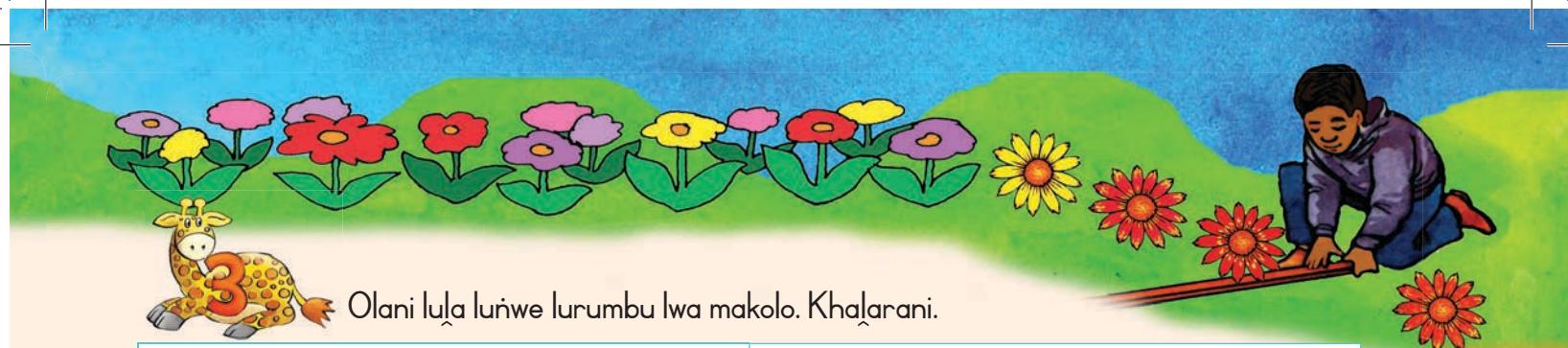
Lavhelesani zwifanyiso zwa makolo. Ni vhona mini?

Themo ya 4

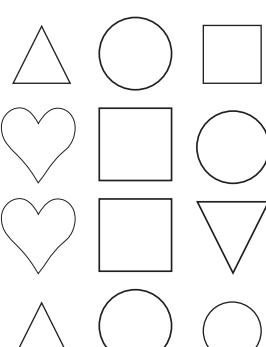
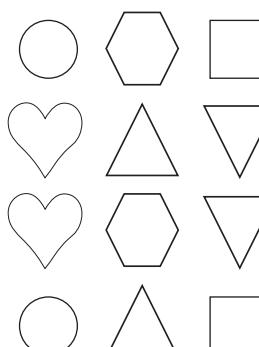
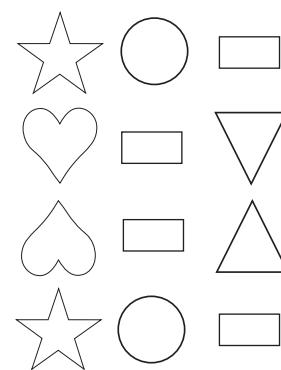
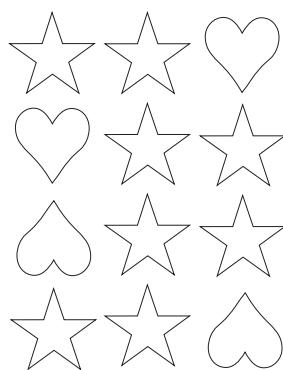
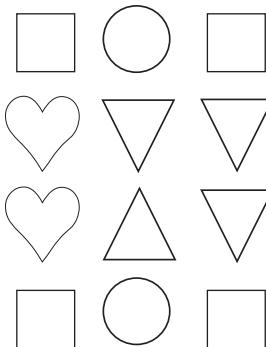
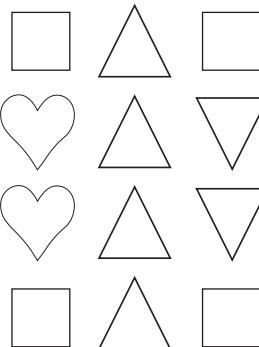


Talani mutalo u itela uri lurumbu luthihi iwa makolo aya lu fane na lu la luriwe.





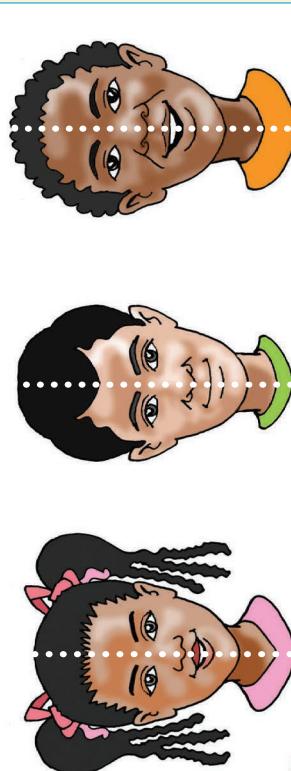
Olani lula luriwe lurumbu lwa makolo. Khalarani.



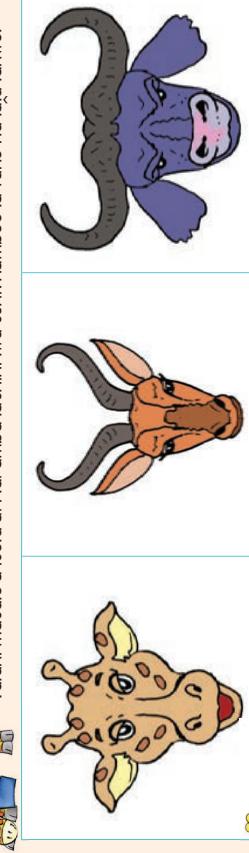
Teacher:
Sign:
Date:

Ndinganahuhili hafhu

Lavhelesani zwifanujozo zwa zwivhumbeo. Lurumbu luthihili iwa tshikhkhonono lu fana na lula lunwe? Zwi kha ndinganyahuhili?



Talani mutalo u itela uri lurumbu luthihili iwa tshivhumbeo lu fane na lula lunwe.



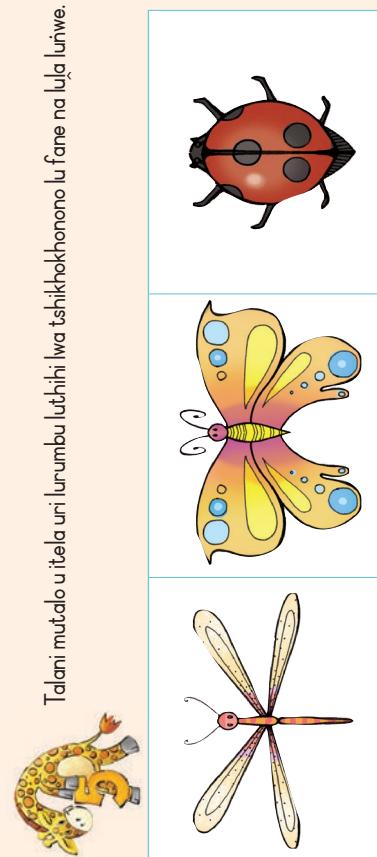
Olaní lula lunwe lurumbu iwa tshikhkhonono.
Phatheni dza nomboro dici ni thusa.



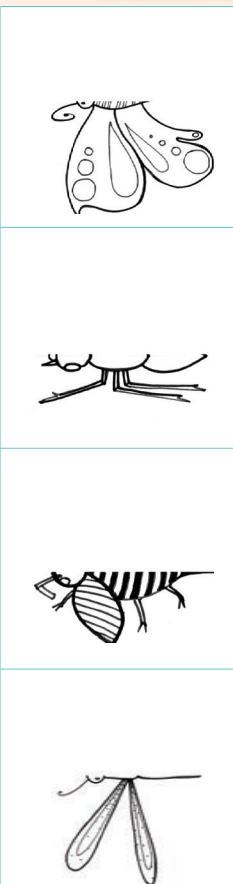
Lavhelesani zwifanujozo zwa zwivhumbeo. Lurumbu luthihili iwa tshikhkhonono lu fana na lula lunwe?



Talani mutalo u itela uri lurumbu luthihili iwa tshikhkhonono lu fane na lula lunwe.



Olaní lula lunwe lurumbu iwa tshikhkhonono.



12 13 14 15 16 17 18 19 20