

U talukanya Mulayotewa (Ndayotewa) wa Riphabuġiki ya Afrika Tshipembe (1996)

Milayo ya nthesa ya shango i wanala kha Mulayotewa (Ndayotewa) wa Riphabuġiki ya Afrika Tshipembe (1996). Milayo iyi i na maanda u fhira na muphuresidennde, maanda ayo a fhira a dzikhothe na a muvhuso wothe.

Ndi milayo ine ya laya vathu vha jino shango uri vha tea u farana nga ndilade. Mulayotewa wa shango wo itelwa u tsiredza rothe ri no khou tshila zwino na vhana vhashu vhane vha kha ġi qo qa.

Talukanyani hune ra bva hone.

Ri songo dovha vkhakhi ha mulovha.

Mulayotewa washu u ri thusa uri ri elekanye nga vhumatshelo ha khwiġe ha rothe khatihi na u vhu fhaġa.

Riġe, vathu vha Afrika Tshipembe;

Ri dzihla ntha u shaea ha vhumukanyi kha tshifhinga tsho fhelaho;

Ri thonifha havho vhe vha tambulela vhumukanyi na mbofholowo kha shango jashu;

Ri thonifha havho vhe vha shuma vha tshi itela u fhaġa na u bveledzisa shango jashu; na

U tenda uri Afrika Tshipembe ndi ġa vhothe vhane vha dzula khaġo, vho vhohekanywaho vha vha huthihi naho vha sa fani.

Zwenezwo, nga kha vhaimeleli vho khethiwaho zwavhudi, ri khou tanageredza ino Ndayotewa sa wone Mulayo Muhulusa wa Riphabuġiki uri u—

Fhelise khethululo ya tshifhinga tsho fhelaho na u thoma tshitshavha tshine tsho ġisendeka kha ndeme dza demokirasi, vhumukanyi ha matshilisano na pfanelo dza vthuthu;

Fhaġe mitheo kha demokirasi na tshitshavha tshi re khagala hune muvhuso wo ġisendeka kha lufuno lwa vathu nahone vhadzulapo vho tsiredzwa nga mulayo nga ndila I lingano;

Khwinisa ndeme ya Vhutshilo ha vhadzulapo vhothe na u vhofoholola vhuconi ha muthu muhwe na muhwe; na

Fhaġa mbumbano na demokirasi zwa Afrika Tshipembe uri ġi kone u vha fthethu ho teaho sa muvhuso wo ġiimisaho kha muġa wa tshaka.

Shumisani pfanelo dzaqu sa mudzulapo wa Afrika Tshipembe ni dovhe ni vhe na vhuġifhinduleli ha u tsiredza pfanelo dza vhaġwe.

Divhani Mulayotibe Wa Pfanelo na Mulayotibe Wa Vhuġifhinduleli.

Mudzimu tsiredza vathu vhashu.

Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.

God seġn Suid-Afrika. God bless South Africa.

Hosi katekisa Afrika.

ISBN 978-1-4315-0145-8



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TERMS 3 & 4
ISBN 978-1-4315-0145-8

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NGA TSHIVENDA

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Themo 3 & 4

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Vho Angie Motshekga
Minista wa Muhasho wa
Pfunzo ya Muteo



Vho Enver Surty
Muthusaminista wa
Pfunzo ya Muteo

Bugu idzi dzo iwalelwa vhana vha Afrika Tshipembe, mushumo wa hone wo rangiwa phanda nga Minista wa Pfunzo ya Muteo, Vho Angie Motshekga na Muthusaminista wa Pfunzo ya Muteo, Vho Enver Surty.

Bugu dza u shumela dza Rainbow ndi tshipida tsha zwe Muhasho wa Pfunzo ya Muteo wa ita zwa u khwinisa vhukoni ha vha gudi vha Afrika Tshipembe vha gireidi dza rathi dza u ranga. Sa tshinwe tsha zwithu zwi hulwane zwa Pulanetshumisi ya Muvhuso, thandela iyi yo konadzea nge ya lambedzwa lu sa vhudziswi nga Muhasho wa Gwama la Lushaka.

Hezwi zwo ita uri Muhasho u kone u bveledza bugu idzi, dzi kha nyambo dzothe dza tshiofisi, dzi tshi waniwa mahala.

Ri na fulufhelo lauri bugu idzi dzi do thusa vhadededzi (vhagudisi) mushumoni wavho wa u funza wa kuvha linwe na linwe khathihi na u vha na vhuñanzi uri vha khunyeledze kharikhu lamu yotthe. Ro ita nga vhuronwane uri ri sumbedze ndila vhadededzi kha nyito nge ra shumisa aikhoni dzi no sumbedza uri mugudi u tea u ita zwifhio.

Ri na fulufhelo li no bva li mbiluni uri vhana vha do dhiphina nga u shumisa bugu idzi zwenezwi vha tshi khou aluwa na u guda, khathihi na uri na vhonevho, sa mudededzi, vha do dhiphina na vhana avha.

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



Published by the Department of Basic Education
222 Struben Street
Pretoria
South Africa
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Eighth edition 2018

ISBN 978-1-4315-0145-8

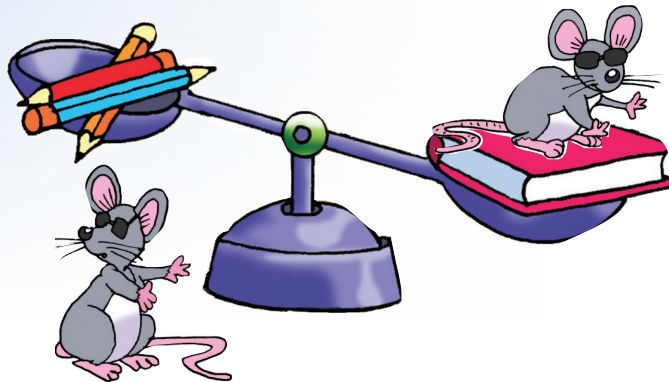
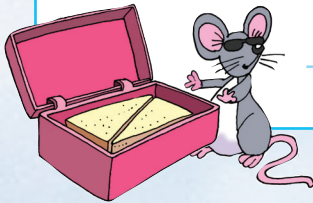
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Bugu iyi ndi ya:



TSHIVENĐA

Bugu ya

2

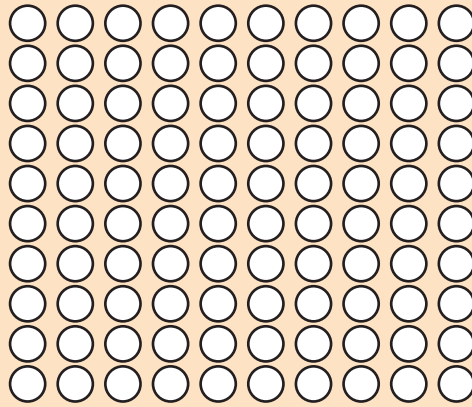
65



Nomboro 50 – 99

Deithi:

Khalarani zwitendeledzi zwa 58.



5 0

8

Themo ya 3



Nwalani nomboro. Tsumbo ya u thoma i do ni dededza.

$$60 + 8 = 68$$



6 0

8

8 0

6

5 0

3

=

=

7 0

1

9 0

5

6 0

9

=

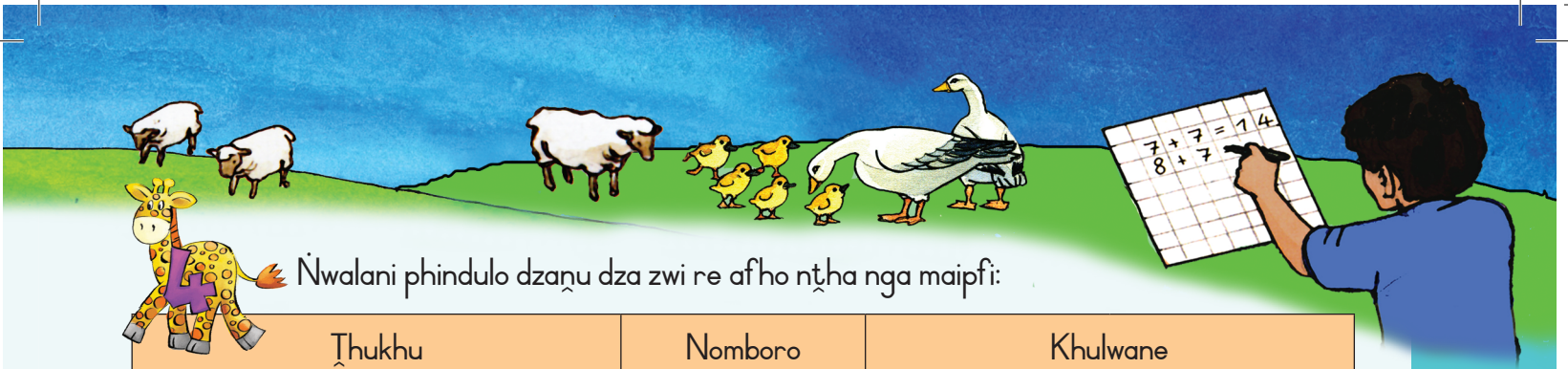
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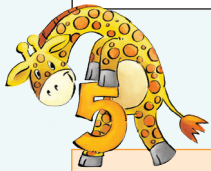
Nwalani phindulo. Tsumbo ya u thoma i do ni dededza:

furarumalo

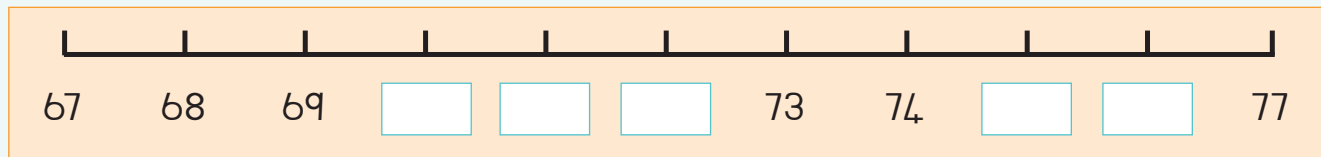
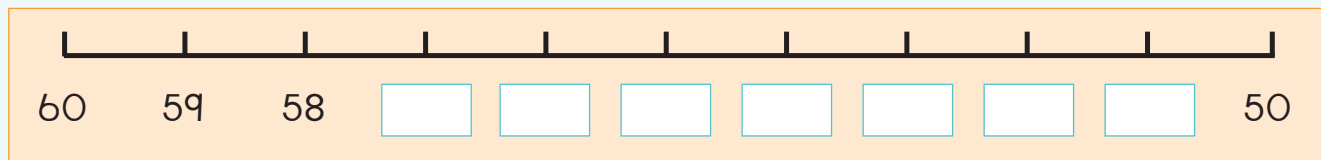
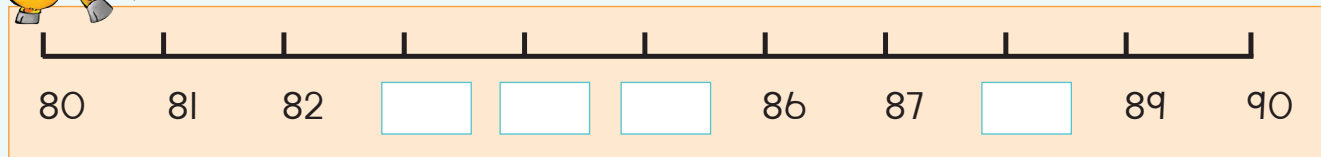


Nwalani phindulo dzaṅu dza zwi re afho ntḥa nga maipfi:

Thukhu	Nomboro	Khulwane
	55	
	63	
	88	
	95	
	71	



Fhedzisani mitalombalo iyi.



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



Teacher:

Sign:

Date:

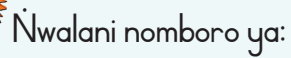
Themo ya 3

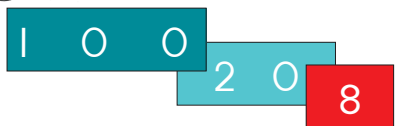
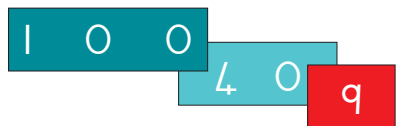
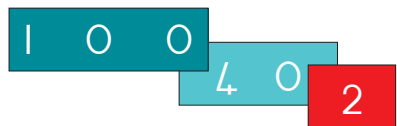
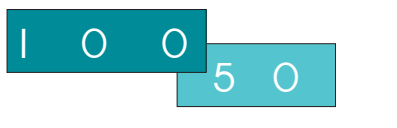
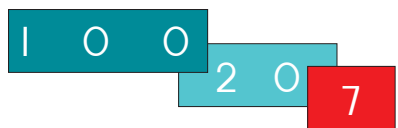
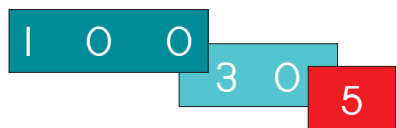


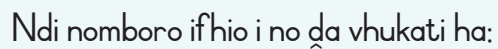
Deithi:

100 + 100 = 200

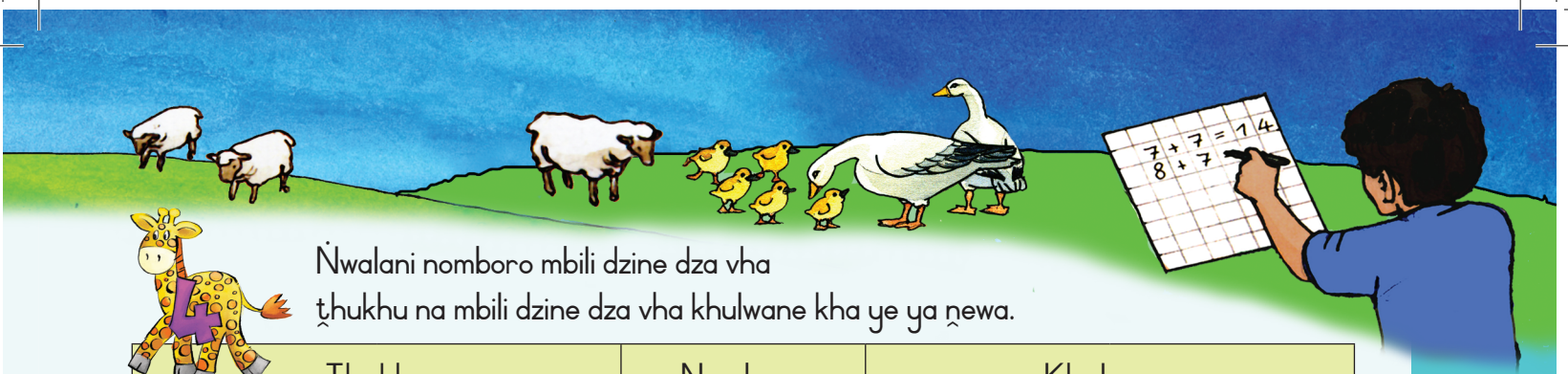
100
30
9



 $100 + 20 + 8 = 128$ 	 $=$	 $=$
 $=$	 $=$	 $=$



146 na 148?



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

Tshukhu	Nomboro	Khulwane
	123	
	145	
	108	
	141	
	134	



Fhedzisani mitalombalo iyi.

150	151		153			156				160
180	179	178								
166	167					172			175	176



Gerani nomboro tharu dzi re vhukati ha 100 na 150 kha magazini kana gurannda.
Arali ni sa dzi wanani, gerani didzhiti dzi no vhumba nomboro idzi tharu.
Dzi nambatedzeni hafha dzi tshi tevhekana u bva kha tshukhusa u ya kha khulwanesa.



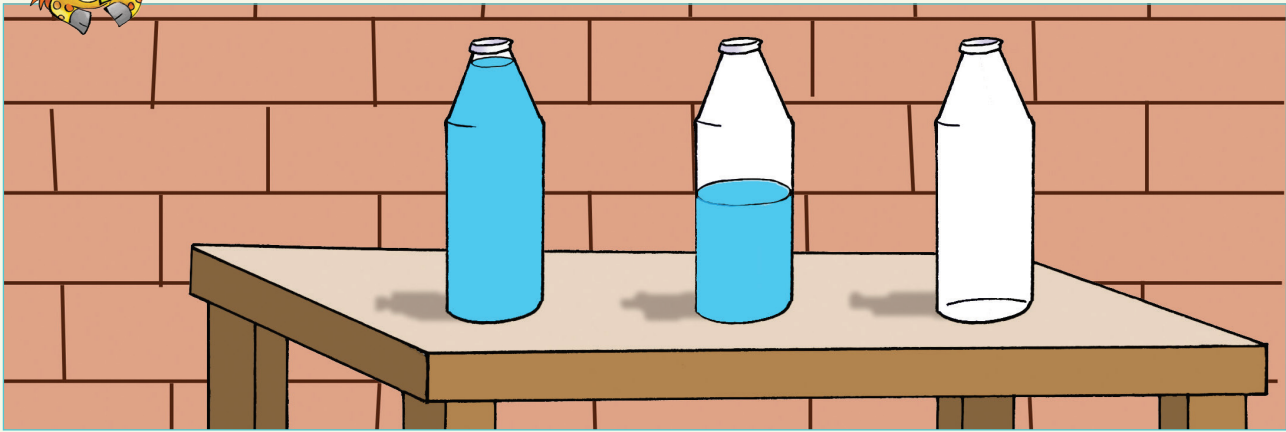
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Dala, denga, a tshi na tshithu

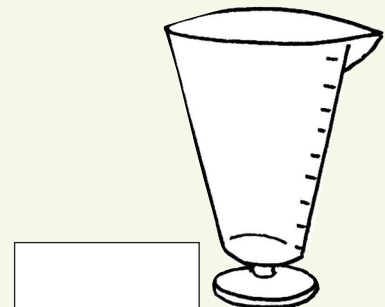
Ambani nga mabodelo a re ntsha ha tafula ya mugudisi.

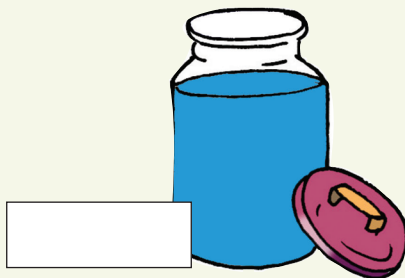


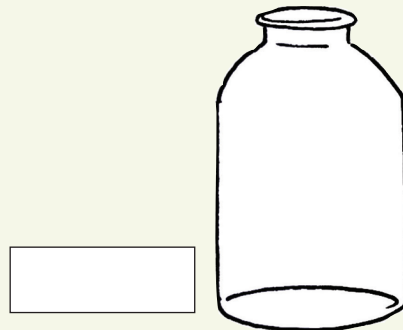
Bulani uri tshifaredzi tsho dala, tshi denga kana a tshi na tshithu.

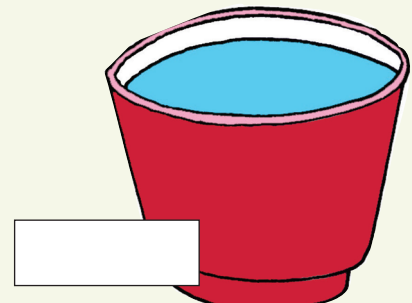


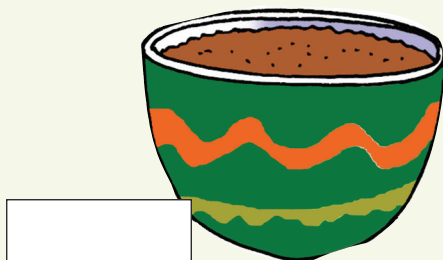


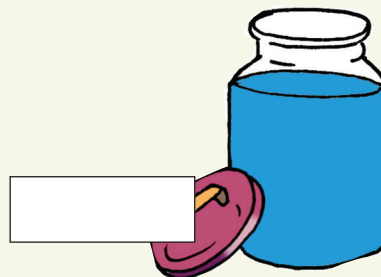


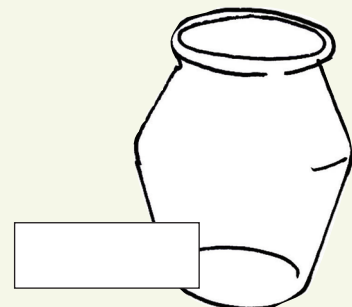










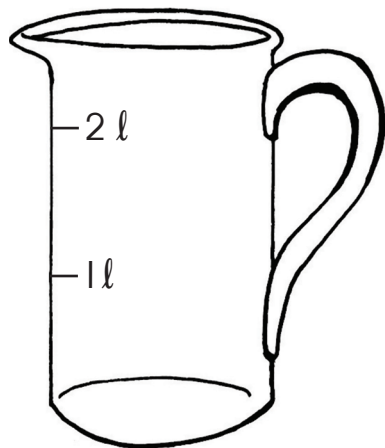




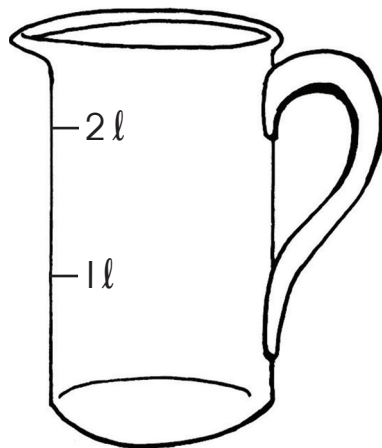
Khalarani ni tshi sumbedza
uri hu na zwiludzi zwingafhani kha zwifaredzi (midzio).



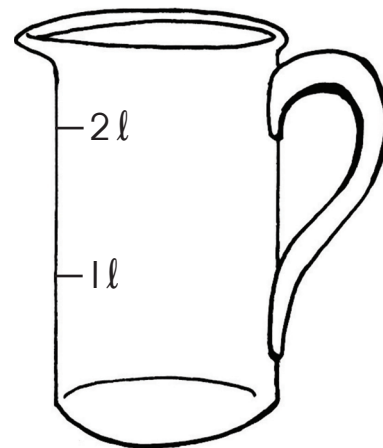
Tsho dala



Ndi denga



A tshi na tshithu



Olani zwifaredzi zwanu inwi mune. Olani zwa 3 zwi no nga zwenezwi. Tshifaredzi
tshiwe na tshiwe tsha fara litha dza 4. Zwi sumbedzeni.

Tsho dala

Ndi denga

A tshi na tshithu



Ndi tshifaredzi tshifhio
tshi no huala zwinzhi.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

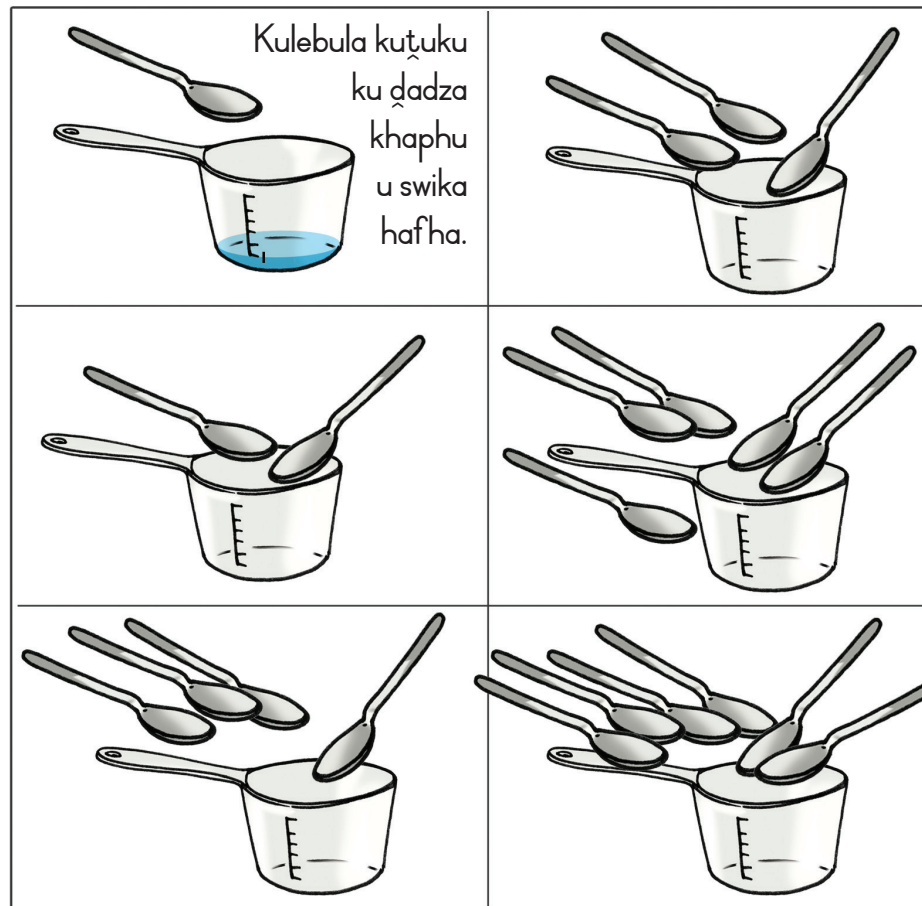


Khaphasithi hafhu

Lavhelesani zwifanyiso. Vhana vha khou ita mini.



Lebula dzi do dadza dzhege u swika ngafhi? Khalarani.





Ndi khaphu nngana dza maḓi dzine na ḓo tḓa uri ni ḓadze khaphu ya u ela.















Makhulu vha shumisa khaphu dza 2 dza mafhi kha u ita phudini.
Arali vha inga kavhili (dabhula) risipi, vha ḓo shumisa mafhi mangafhani?



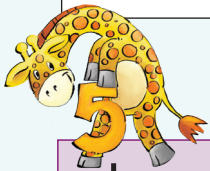
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2014/07/04 3:48 AM



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

Tshukhu	Nomboro	Khulwane
	155	
	168	
	151	
	162	
	160	



Fhedzisani mitalombalo iyi.

150	151	152					157	158		
-----	-----	-----	--	--	--	--	-----	-----	--	--

154	155	156								
-----	-----	-----	--	--	--	--	--	--	--	--

160		162		164	165					170
-----	--	-----	--	-----	-----	--	--	--	--	-----



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



Teacher: _____

Sign: _____

Date: _____

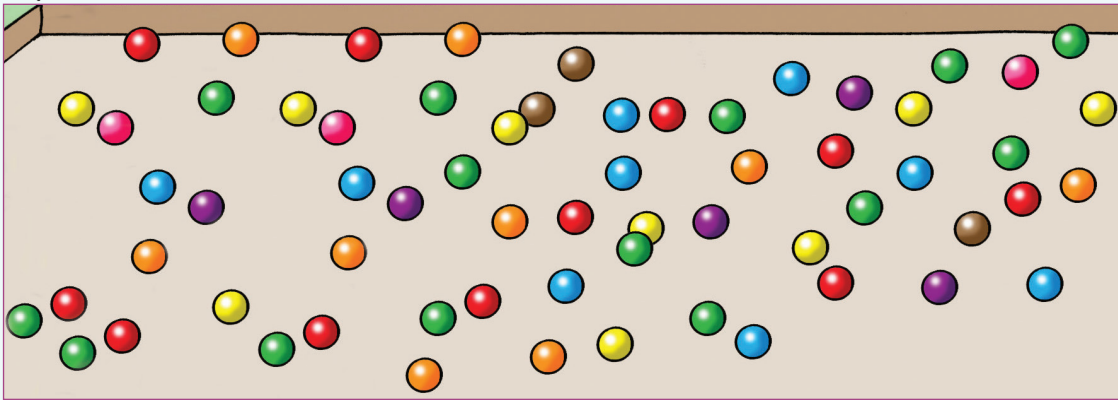
70



U vhala na u anganya (0 – 100)

Deithi:

Anganyani ni vhale malungu.

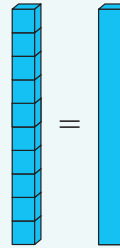


anganyani

rekanyani



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



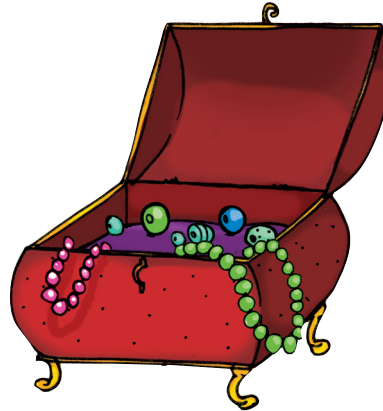
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Hu na mąlegere a 42 bogisini. Ndi mangana a sa vhonali?



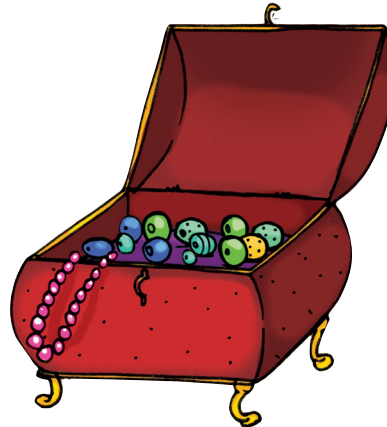
Hu na malungu a 50 bogisini. Ndi mangana a sa vhonali?



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



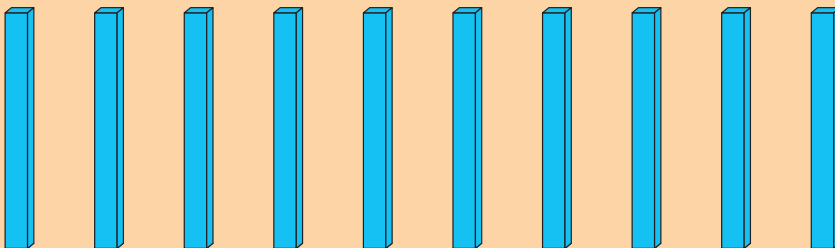
Hu na malungu a 100 bogisini. Ndi mangana a sa vhonali?





Ni nga zwi shuma nga luvhilo lungafhani?

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





Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

71



Deithi:

Data inwe haf hu

Themo ya 3



Nanguludzani maluvha. Olani nyolo yaṅu ya u zwi sumbedza. Nwalani tḥanganyelo tshibogisini.













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



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 tšada?

Ndi muvhala ufhio wa maluvha une u sa takaleleswe?

Ndi maluvha a muvhala ufhio une na u funesa?



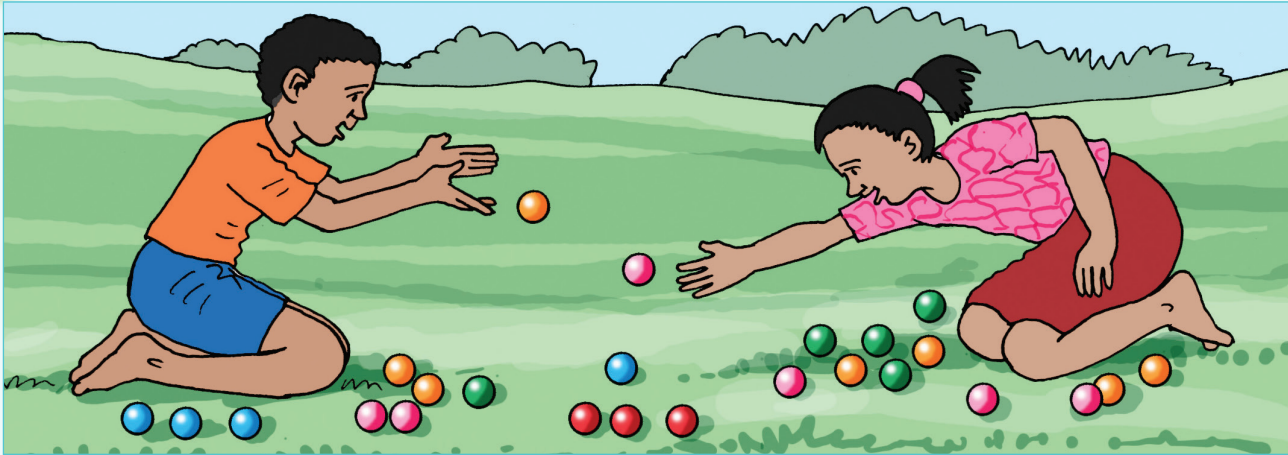
Teacher:
Sign:
Date:



Mutanganyo 0 – 50

Deithi:

Themo ya 3



Lavhelesani tshifanyiso ni tanganye mavhulu.

mitswuku

+

ya lutombo

+

=

midala

+

ya lutombo

+

=

ya pinki

+

ya lutombo

+

=

midala

+

ya tshitopana

+

=

mitswuku

+

midala

+

=



Livhanyani magarata na thanganyelo dzone. Talani mutalo u tshi bva kha mbalo u tshi ya kha magarata one.

2

1 0

$$7 + 40 = 47$$

5

2 0

$$10 + 2 = 12$$

3

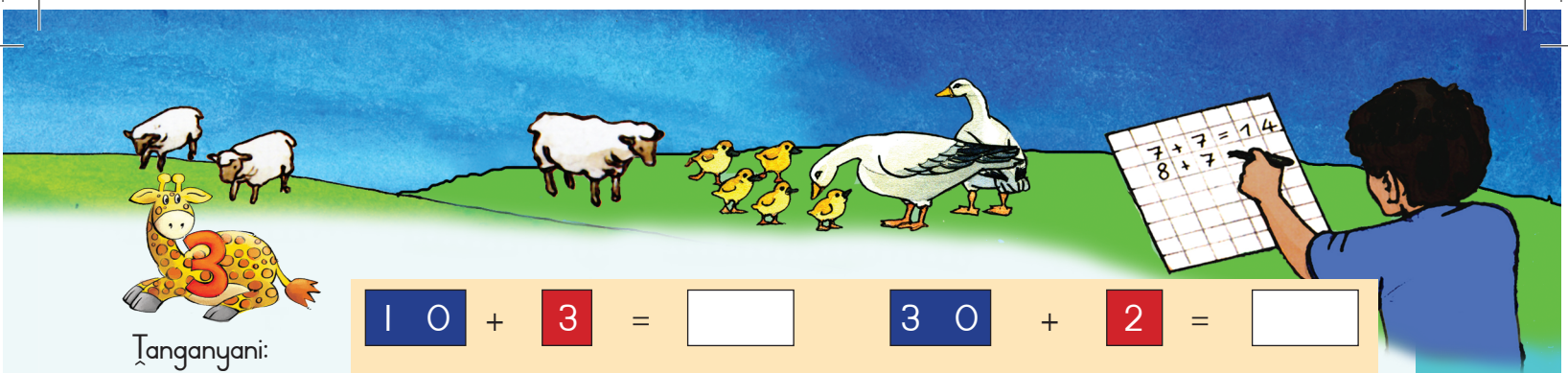
3 0

$$20 + 5 = 25$$

7

4 0

$$3 + 30 = 33$$



Tanganyani:



Tanganyani:

$$10 + 3 = \square$$

$$30 + 2 = \square$$

$$20 + 5 = \square$$

$$30 + 7 = \square$$

$$40 + 1 = \square$$

$$20 + 6 = \square$$

$$10 + 4 = \square$$

$$40 + 8 = \square$$

$$30 + 9 = \square$$

$$16 + 13$$

$$\begin{array}{r} 6 \\ 10 \end{array} + \begin{array}{r} 3 \\ 10 \end{array} = \begin{array}{r} 9 \\ 20 \end{array}$$

$$16 + 13 = 29$$

$$24 + 12$$

$$\begin{array}{r} 4 \\ 20 \end{array} + \begin{array}{r} 2 \\ 10 \end{array} = \begin{array}{r} \square \\ \square \end{array}$$

$$\square + \square = \square$$

$$37 + 11$$

$$\begin{array}{r} 7 \\ 30 \end{array} + \begin{array}{r} 1 \\ 10 \end{array} = \begin{array}{r} \square \\ \square \end{array}$$

$$\square + \square = \square$$

$$25 + 23$$

$$\begin{array}{r} 5 \\ 20 \end{array} + \begin{array}{r} 3 \\ 20 \end{array} = \begin{array}{r} \square \\ \square \end{array}$$

$$\square + \square = \square$$

$$36 + 12$$

$$\begin{array}{r} 6 \\ 30 \end{array} + \begin{array}{r} 2 \\ 10 \end{array} = \begin{array}{r} \square \\ \square \end{array}$$

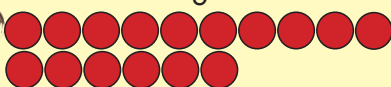
$$\square + \square = \square$$

$$28 + 21$$

$$\begin{array}{r} 8 \\ 20 \end{array} + \begin{array}{r} 1 \\ 20 \end{array} = \begin{array}{r} \square \\ \square \end{array}$$

$$\square + \square = \square$$

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



Thanganyelo ndi vhugai?

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

73



Mutanganyo 0 – 75

Deithi:

Themo ya 3



Thanganyelo ya tshibuloko tshirwe na tshirwe ndi vhugai?

$$\begin{array}{r} 10 \\ 50 \end{array}$$

$$\begin{array}{r} 20 \\ 20 \end{array}$$

$$\begin{array}{r} 20 \\ 30 \end{array}$$

$$\begin{array}{r} 40 \\ 30 \end{array}$$



Tanganyani.

$$12 + 11$$

$$= \square + \square + \square + \square$$

$$= \square + \square$$

$$= \square$$

$$23 + 41$$

$$= \square + \square + \square + \square$$

$$= \square + \square$$

$$= \square$$



Fhedzisani:

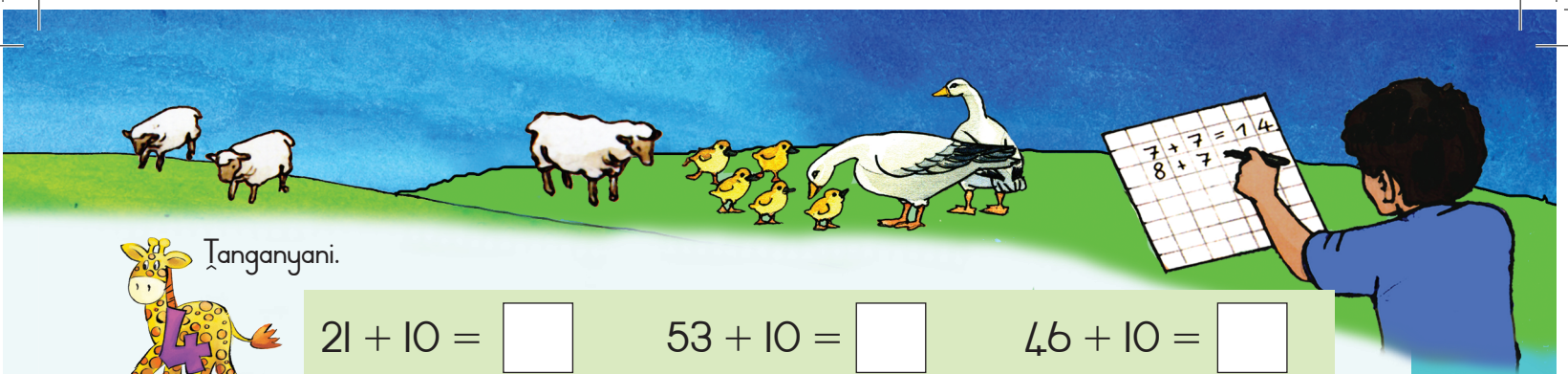
$$28 + 11 = 28 + 10 + 1 = 38 + 1 = 39$$

$$34 + 12 = 34 + 10 + 2 = \square + \square = \square$$

$$43 + 23 = 43 + 20 + 3 = \square + \square = \square$$

$$45 + 23 = 45 + 20 + 3 = \square + \square = \square$$

$$56 + 11 = 56 + 10 + 1 = \square + \square = \square$$



Tanganyani.

$$21 + 10 = \square$$

$$53 + 10 = \square$$

$$46 + 10 = \square$$

$$68 + 10 = \square$$

$$37 + 10 = \square$$

$$42 + 10 = \square$$

$$74 + 10 = \square$$

$$19 + 10 = \square$$

$$55 + 10 = \square$$



Thanganyelo ya 47 na 6 ndi?

Olani tshifanyiso ni tshi sumbedza phindulo yanu.



Itani mbalomaipfi ya inwi mune ni tshi shumisa zwifanyiso.



Teacher:

Sign:

Date:

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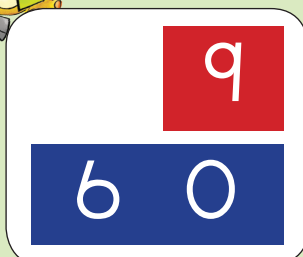
Muṭanganyo na muṭuso: 0 – 75

Deithi:

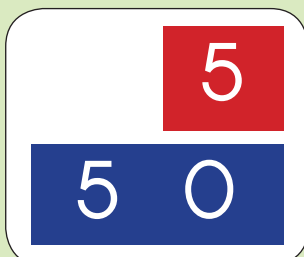
Themo ya 3



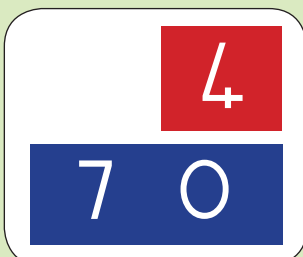
Livhanyani magaraṭa. Talani mutalo u bva kha ṭhanganyelo u tshi ya kha garaṭa lone.



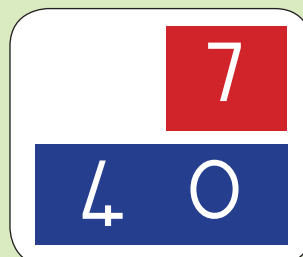
$$7 + 40 = 47$$



$$60 + 9 = 69$$



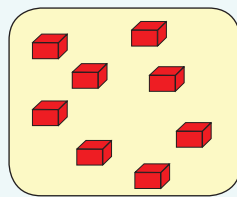
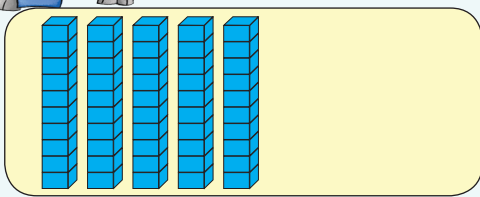
$$50 + 5 = 55$$



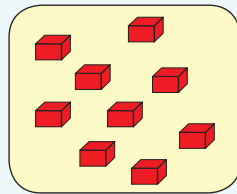
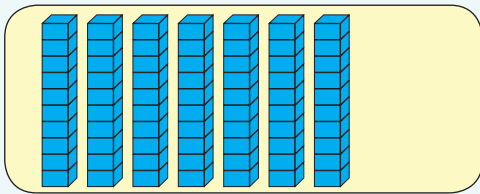
$$4 + 70 = 74$$



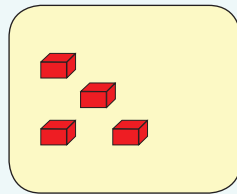
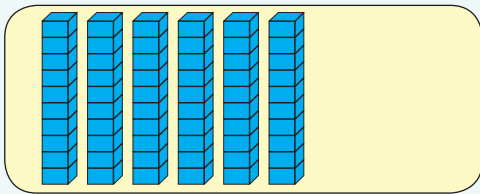
Nwalani mbalo ya zwi tevhelaho ni dzhenise phindulo.



$$\square + \square = \square$$



$$\square + \square = \square$$



$$\square + \square = \square$$



Ṭanganyani.

$$60 + 4 = \square$$

$$30 + 2 = \square$$

$$40 + 9 = \square$$

$$50 + 4 = \square$$

$$20 + 8 = \square$$

$$10 + 7 = \square$$

$$70 + 5 = \square$$

$$70 + 8 = \square$$

$$50 + 6 = \square$$



Tanganyani.

$$56 + 15$$

$$\boxed{56} + \boxed{15} = \boxed{71}$$

$$34 + 17$$

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

$$48 + 13$$

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

$$63 - 41$$

$$\boxed{} - \boxed{} = \boxed{}$$

$$75 - 51$$

$$\boxed{} - \boxed{} = \boxed{}$$

$$72 - 49$$

$$\boxed{} - \boxed{} = \boxed{}$$



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



Thanganyelo ndi vhugai? _____



Teacher: _____
Sign: _____
Date: _____

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Bola, mabogisi na silinda

Deithi:

Themo ya 3



Maipfi aya a nga ni thusa:

mabogisi

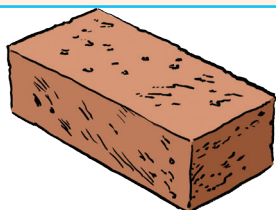
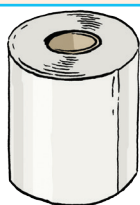
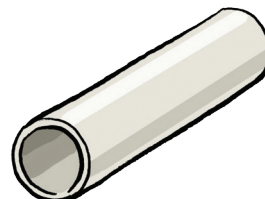
bola

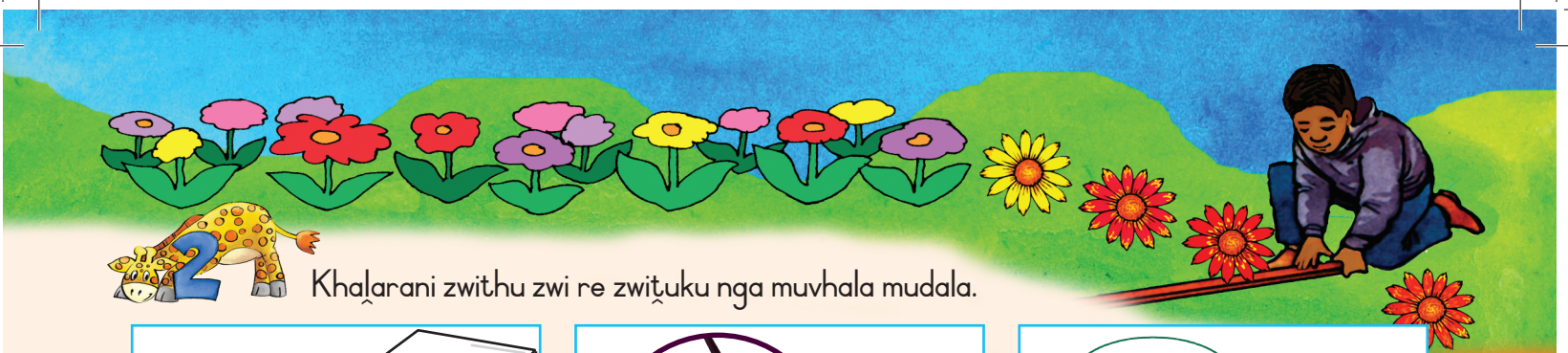
silinda

Ni kha di elelwa uri ndi
zwivhumbeode?

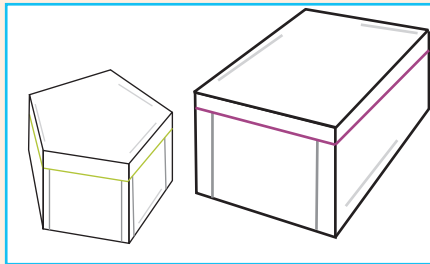


Topolani bola, mabogisi na silinda nge na riwala ipfi ilo nga fhasi ha tshinwe
na tshinwe tshazwo.





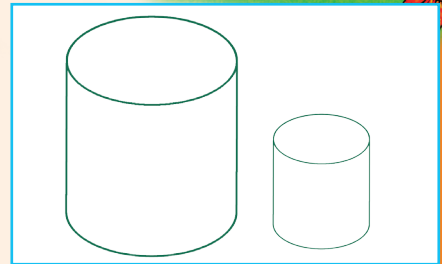
Khalarani zwithu zwi re zwituku nga muvhala mudala.



mabogisi



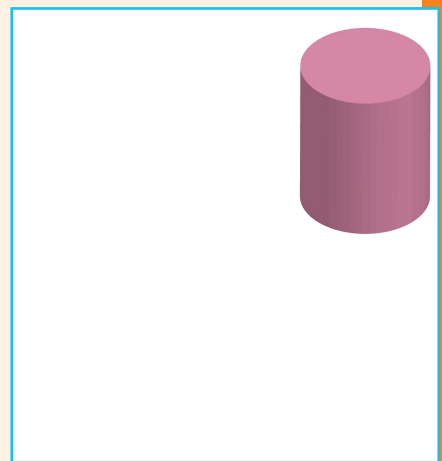
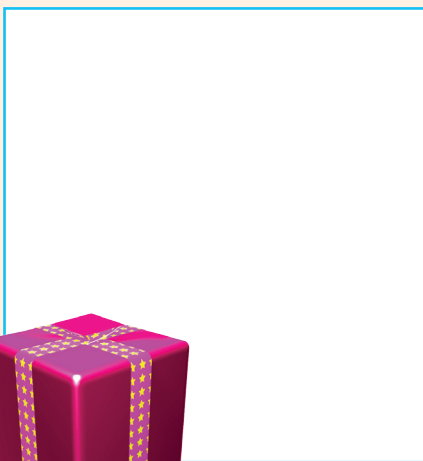
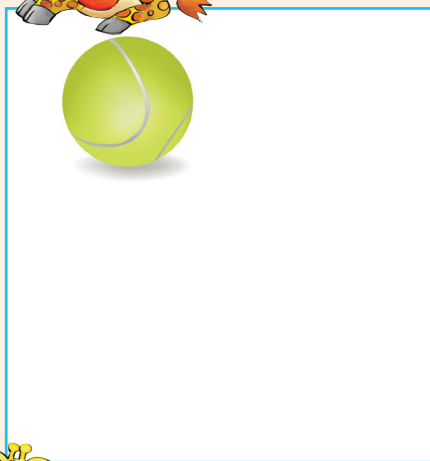
bola



silinda



Olani tshithu tshi re tshihulwane.



Ni khou tama u dzhenisa mpho ya mme anu ya duvha la mabebo kha tshifaredzi. Ni tea u talutshedza murengisi uri ni khou toda tshithude. Ni nga tshi talutshedza hani?



Teacher: _____
Sign: _____
Date: _____



Deithi:

Swendani, kunguluwani ni fhatxe nga zwithu zwa 3-D

Themo ya 3

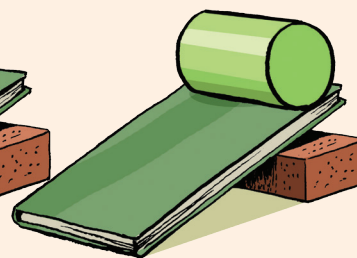
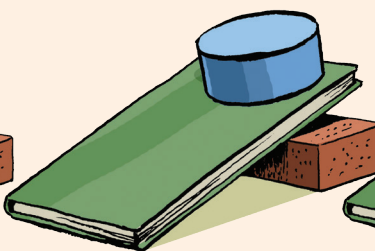
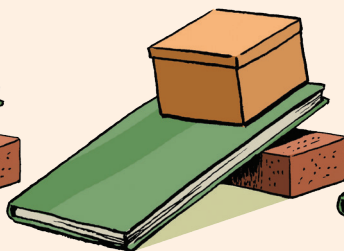
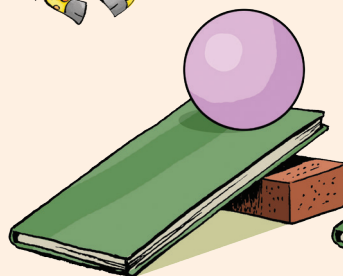


Mudededzi wanu vha do ita nyito iyi na inwi i ya phurathikhala u itela u vhona uri zwi tevhelaho zwi nga dzula (balantsa) naa:

- Bogisi ntsha ha bogisi.
- Bola ntsha ha bogisi.
- Bola ntsha ha bola.
- Mabogisi mavhili o thophana.



Mabogisi, bola na silinda zwi nga kunguluwa kana zwa swenda. Mudededzi wanu vha do ni nea zwithu zwi tevhelaho uri ni vhona arali zwi tshi kunguluwa kana u swenda. Nga murahu ha u ita nyito iyi lwa phurathikhala, ambani uri izwi zwithu zwi do kunguluwa kana u swenda naa.





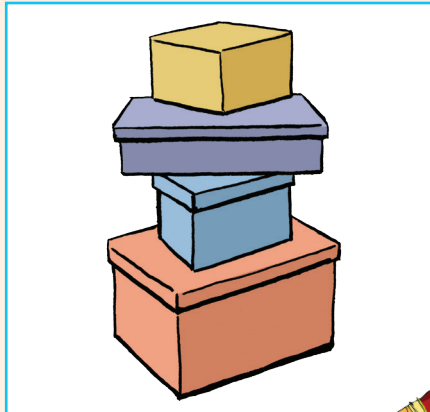
Wanani zwifanyiso zwa zwithu zwine zwa nga kunguluwa kana zwa swenda kha magazini ni zwi nambatedze hafha.

kunguluwa

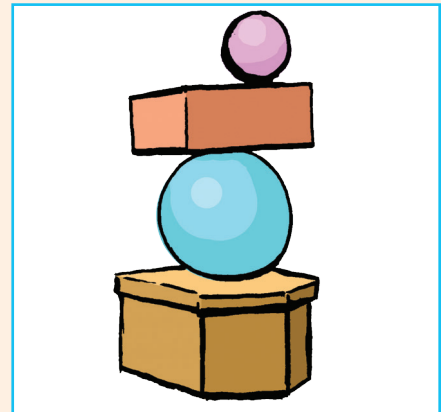
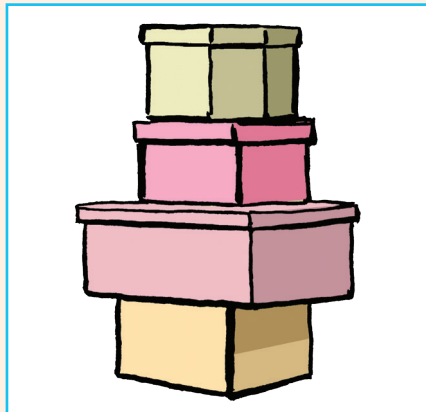
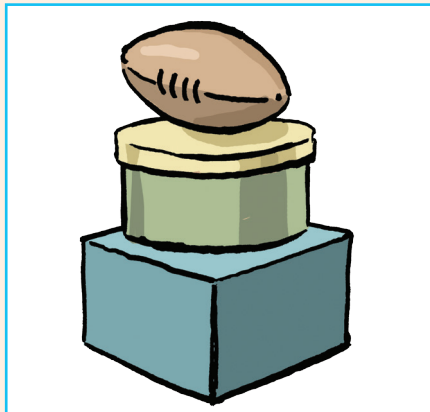
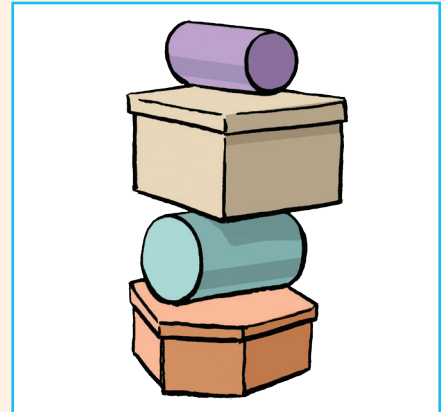
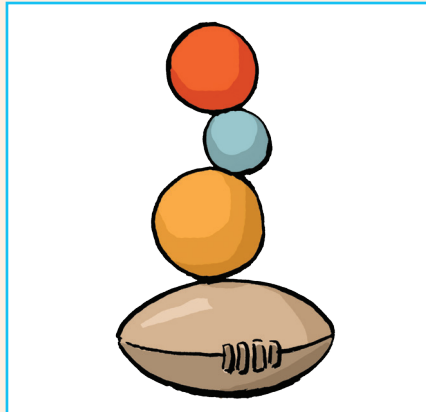
swenda



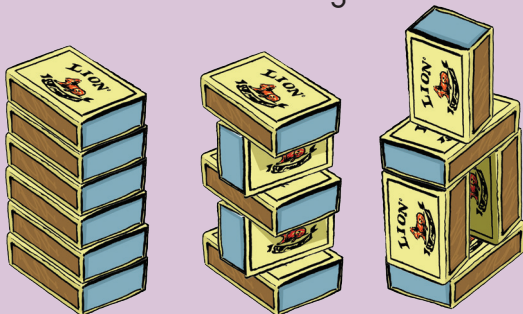
Mudededzi waṅu vho ni fha zwibuloko zwine na nga fhaṭa ngazwo thawara dzo fhambananaho. Inwi na khonani yaṅu no humbula u fhaṭa thawara nga mabogisi, bola na silinda. Hetshi tshithu ndi tshone tshe na fhaṭa kana na edzisa u fhaṭa. Ambani uri zwo konadzea naa kana hai.



Hezwi zwi do konadzea



Dziṛwe dza thawara dza zwibogisi zwa metshisi khedzi.



Ni tea u vha na:

Zwibogisi zwa metshisi

Zwine na tea u ita:

Zwino lingedzani u fhaṭa thawara ya zwibogisi zwa metshisi i ye nṯha nga hune na nga kona ni sa shumisi guḽuu.



Teacher:
Sign:
Date:

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Mutanganyo na mutuso hafhu 0 – 75

Deithi:

Themo ya 3



Tanganyani nomboro dzi re tshibulokoni tshirwe na tshirwe ni riwale phindulo.

5 0	5 0	4 0	3 0
2 2 0	7 1 0	4 1 0	8 2 0
3	2	3	1



Tanganyani.

$$52 + 21$$

$$43 + 28$$



Fhedzisani.

$$28 + 31 = 28 + 30 + 1 = 58 + 1 = 59$$

$$45 + 32 = 45 + 30 + 2 = \square + \square = \square$$

$$52 + 14 + 52 + 10 + 4 = \square + \square = \square$$



Tanganyisani.

$$41 + 10 = \square$$

$$44 + 10 = \square$$

$$71 + 10 = \square$$



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



Tusani nomboro dzi re kha tshibogisi tsha fhasifhasi (tshirahoni) kha nomboro dzi re kha tshibogisi tshi re ntshantsha (tshodzini).

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



Nwalani mbalo ya zwi tevhelaho.

	—		=	
--	---	--	---	--

	—		=	
--	---	--	---	--



Tusani:

$$65 - 23$$

$$72 - 29$$



Bvisani

$$61 - 10 = \square$$

$$42 - 10 = \square$$

$$37 - 10 = \square$$



Olani tshifanyiso tshi no sumbedza uri Palesa o vha e na mimavhulu ya 62 a xedza ya 21.



Ho sala mimavhulu mingana? _____

Teacher: _____
Sign: _____
Date: _____

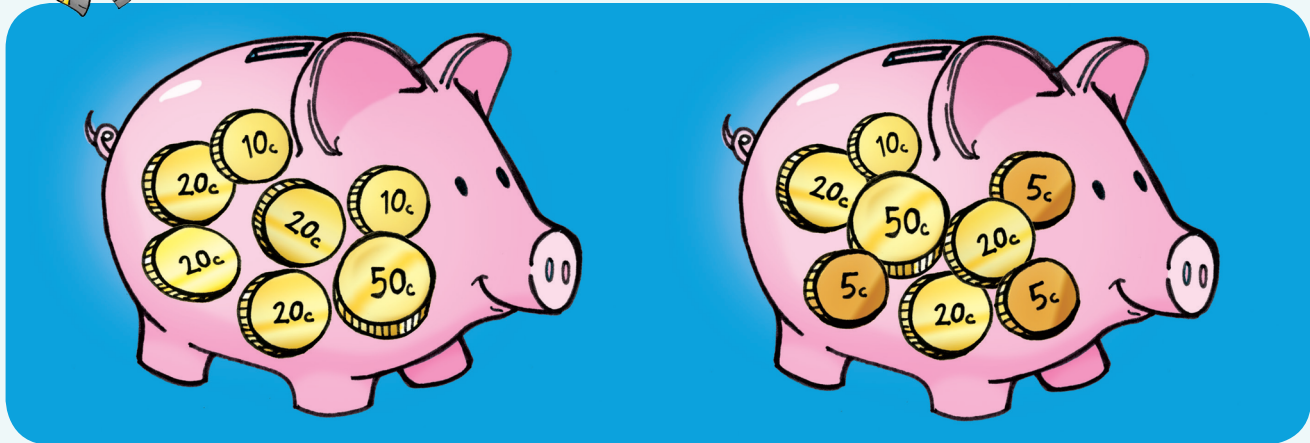
Tshelede hafhu

Deithi:

Themo ya 3



Ndo vhulunga vhugai?

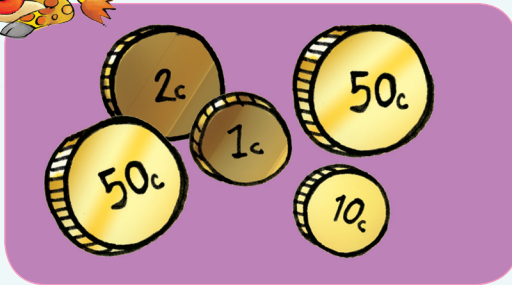


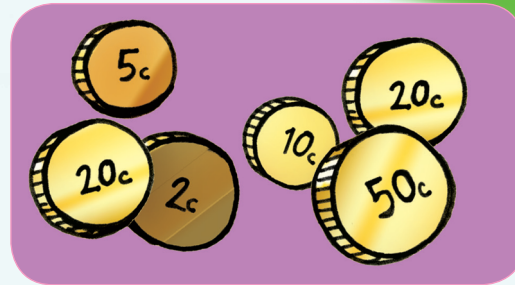
Shumisani khoini dzi no bva kha Tshigeriwa 3 ni nambatedze mitengo yone hafha.

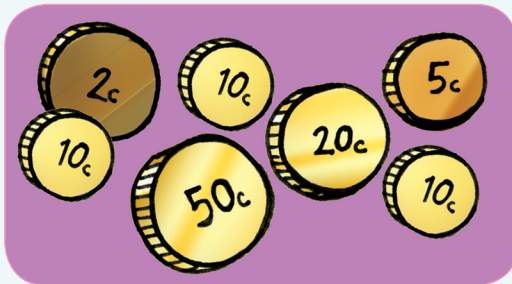


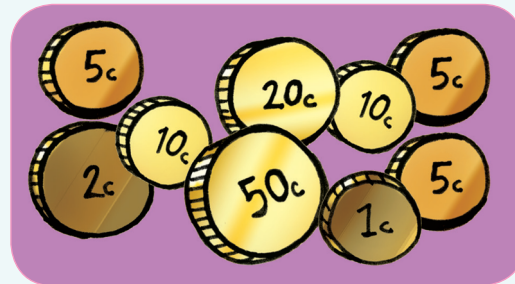


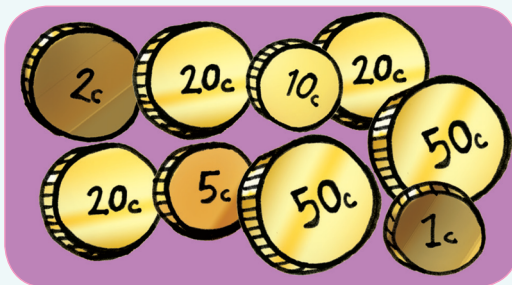
Ndi masenthe mangana?

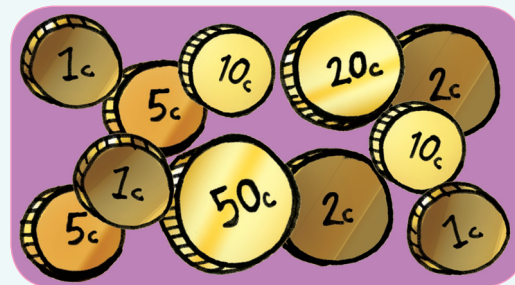


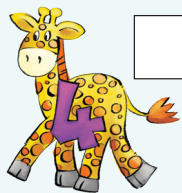












Mbalo dza maipfi:

Suzy u na 100c. Khotsi anga vha mu engedza nga 50c. U na vhugai yo tangana yotlhe? 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.



Teacher:

Sign:

Date:



Deithi:

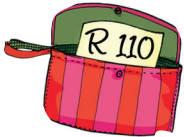


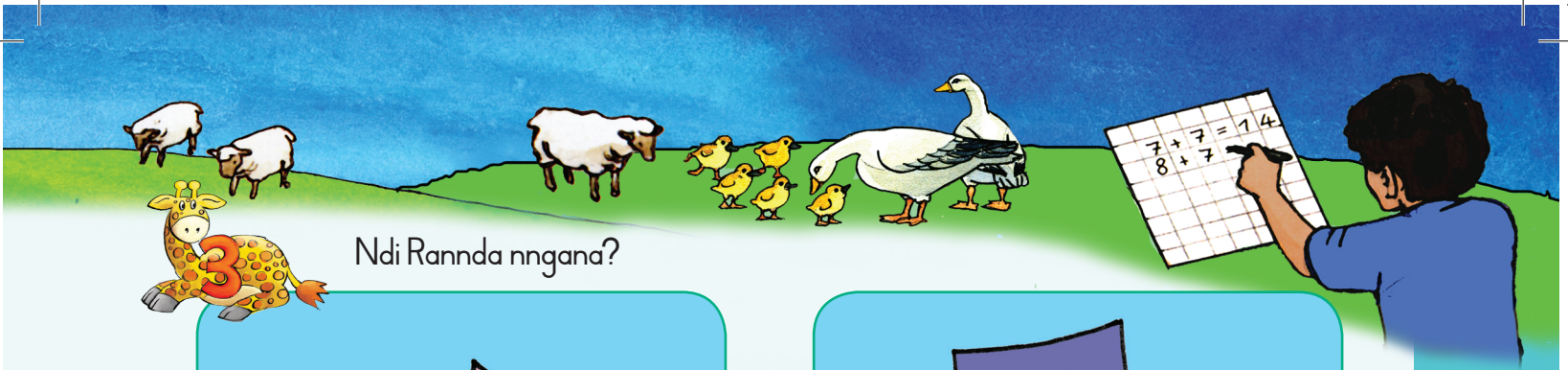
Tshelede ya dzinoutu haf hu

Ndi na vhugai pheseni?

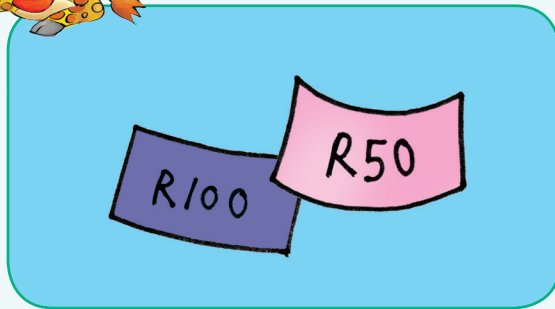


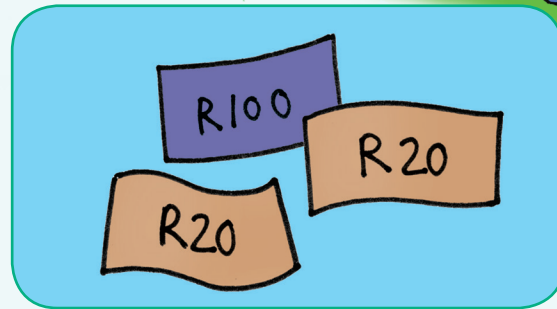
Shumisani dzinoutu dzi no bva kha Tshigeriwa 3 ni nambatedze mitengo yone haf ha.

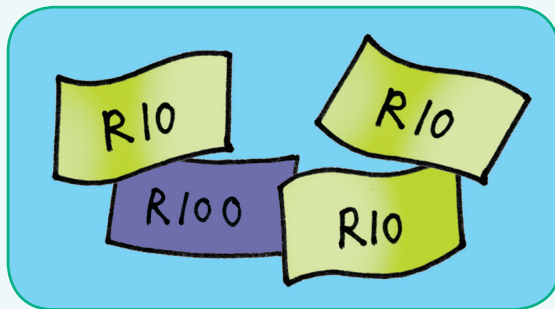
	
	
	

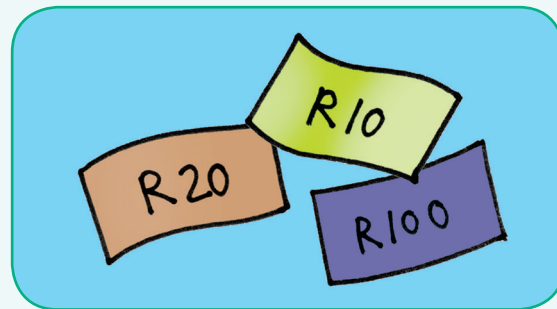


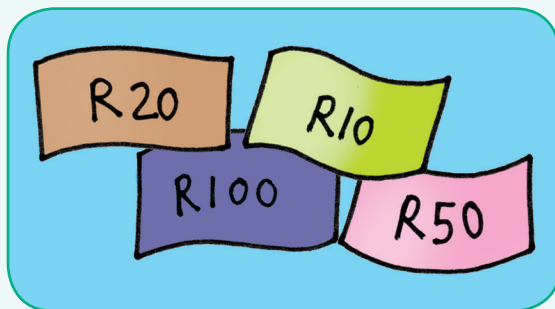
Ndi Rannda nngana?



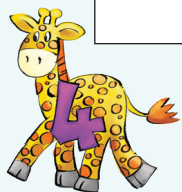












Mbalo dza maipfi:

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

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

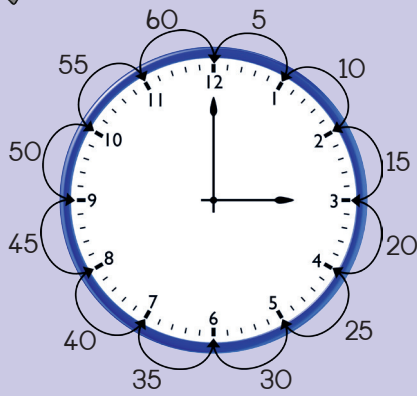


Teacher: _____
Sign: _____
Date: _____

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Phetheni dza zwifhinga

Ambani nga watshi.



Watshi i na mananga mavhili.

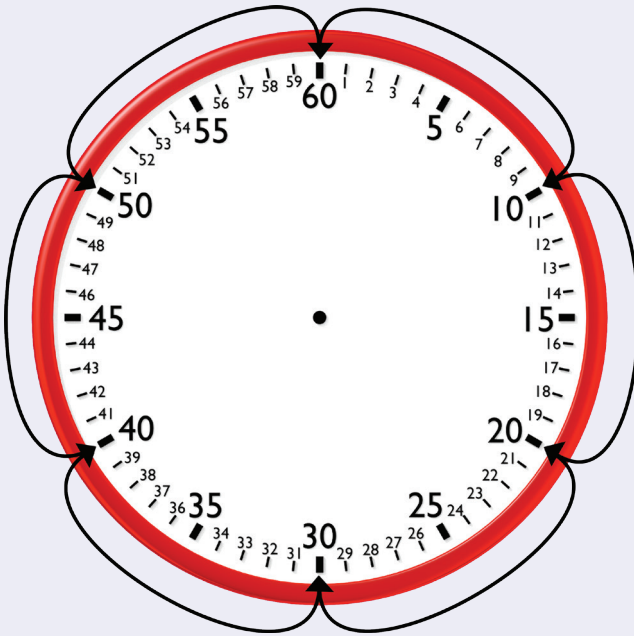
Lunanga lupfufhi lu ri sumbedza awara.

Lunanga lulapfu lu ri sumbedza miminete.

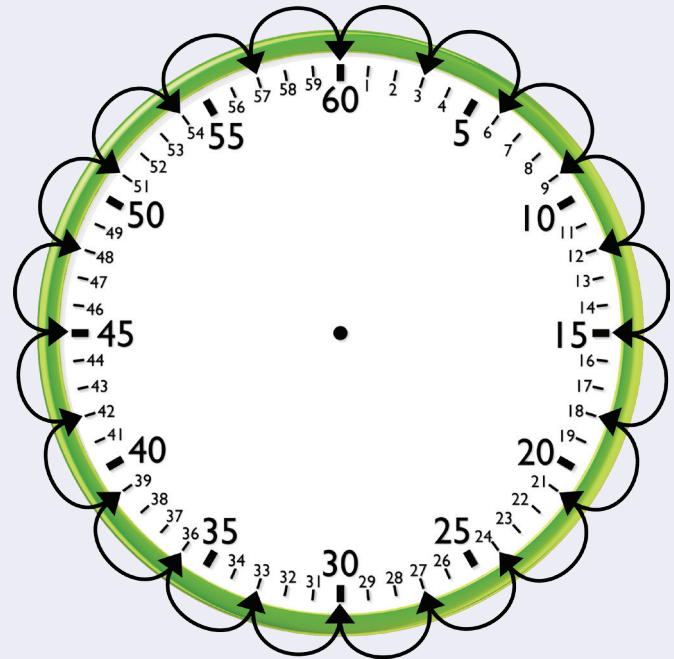
Afha ri ri ndi awara ya 3 (ya vhuraru)



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



10 _____, _____, _____, _____, _____,

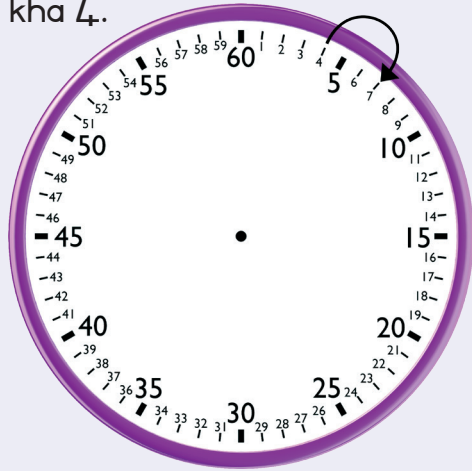


3, _____, _____, _____, _____, _____, _____,
_____, _____, _____, _____, _____, _____,
_____, _____, _____, _____,

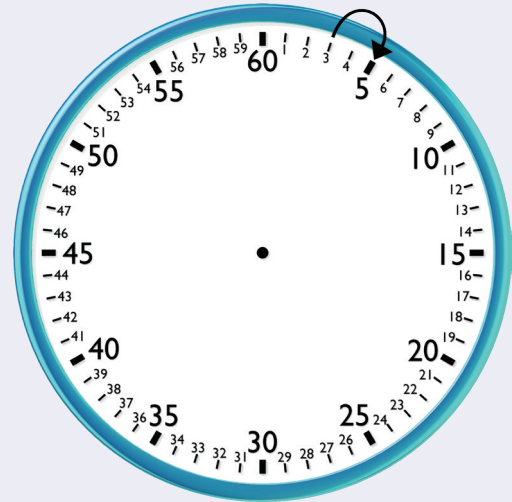


Sumbedzani phetheni ni tshi shumisa misevhe.

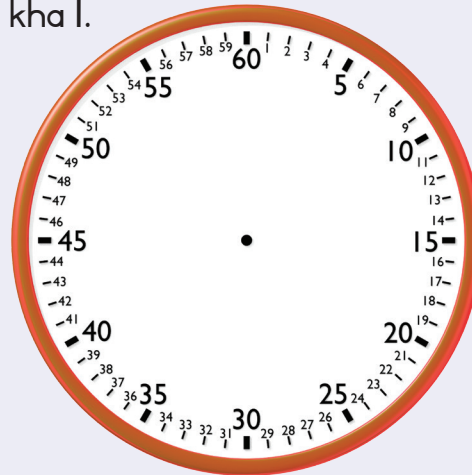
Vhalani nga tharutharu ni tshi thoma kha 4.



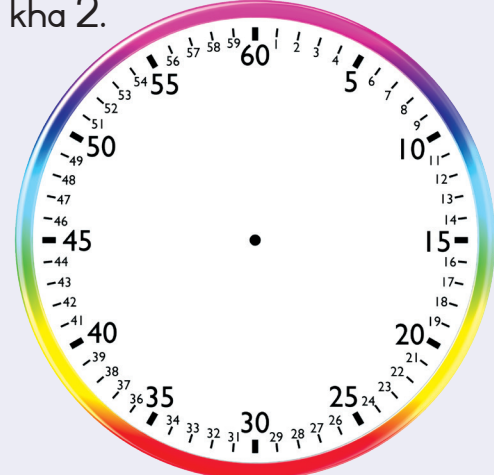
Vhalani nga mbilimbili ni tshi thoma kha 3.



Vhalani nga mahumi ni tshi thoma kha 1.



Vhalani nga tharutharu ni tshi thoma kha 2.



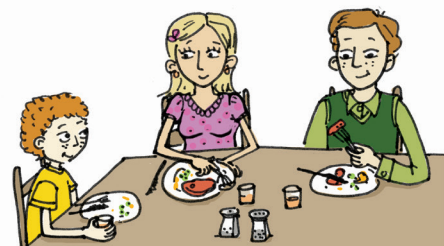
Ni ya tshikoloni nga tshifhingade?



Ni ya hayani nga tshifhingade?



Ni la tshilalelo nga tshifhingade?



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

8la

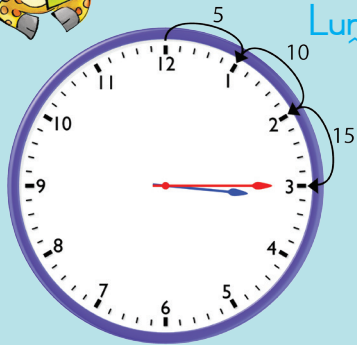
Awara na miminete

Deithi:

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.

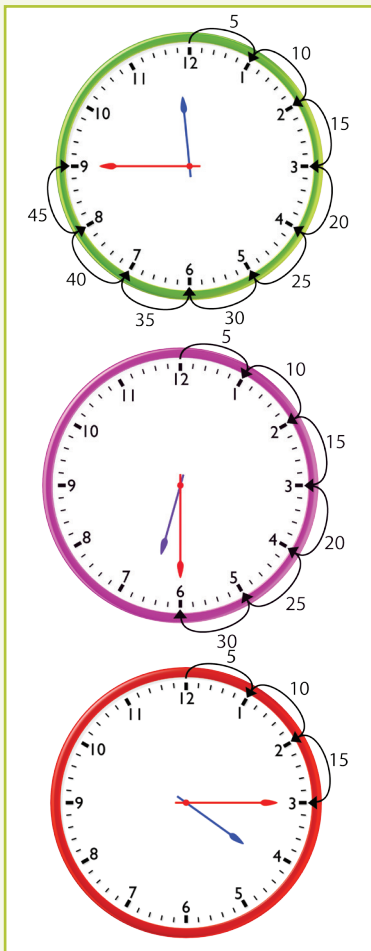
Ri ri ndi kotara u bva kha awara ya vhuraru.

Ri amba uri ndi minete ya fumiṱhanu u bva kha awara ya 3.

Minete ya fumiṱhanu ndi kota ya minete ya furathi (awara).



Ndi tshifhingade?



Lunanga lupfufhi lu ri sumbedza _____.

Lunanga lulapfu lu ri sumbedza uri ndi _____.

Ri ri ndi _____.

Lunanga lupfufhi lu ri sumbedza _____.

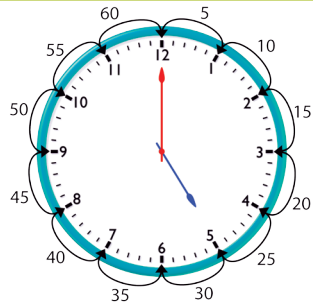
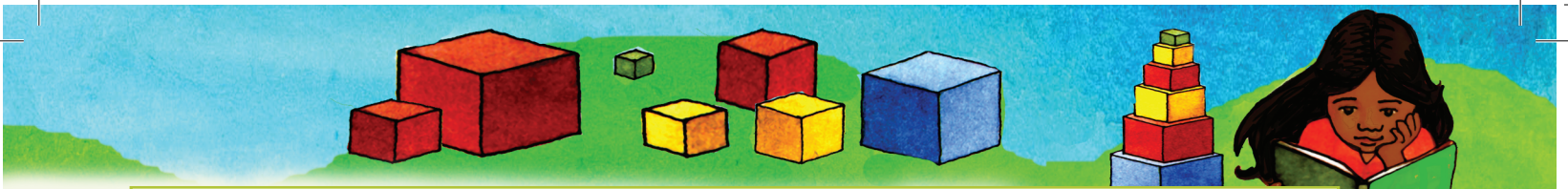
Lunanga lulapfu lu ri sumbedza uri ndi _____.

Ri ri ndi _____.

Lunanga lupfufhi lu ri sumbedza _____.

Lunanga lulapfu lu ri sumbedza uri ndi _____.

Ri ri ndi _____.



Lunanga lupfufhi lu ri sumbedza _____.

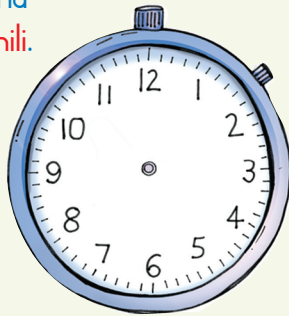
Lunanga lulapfu lu ri sumbedza uri ndi _____.

Ri ri ndi _____.

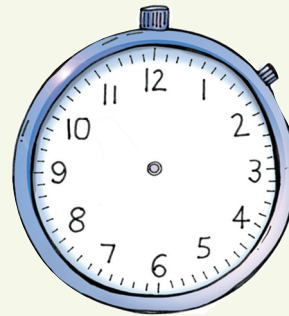


Olani lunanga lulapfu na lunanga lupfufhi.

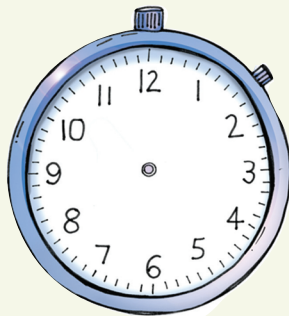
Kotara u bva kha
awara ya **vhuvhili**.



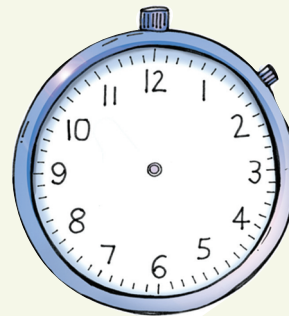
Hafu u bva kha
awara ya **vhutathe**.



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.



Teacher:
Sign:
Date:

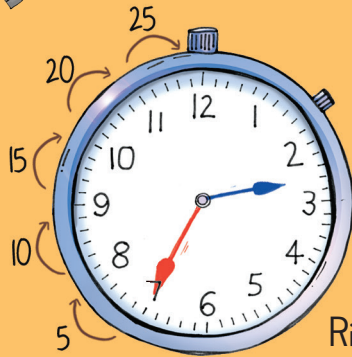
81b

Miminate na awara

Deithi:

Themo ya 3

Ambani nga watshi.



Lunanga lupufhi lu tsini na 3.

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

Ndi miminate 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 miminate ya 25 u rangela awara ya vhuraru.



Ndi tshifhinga?



Lunanga lupufhi 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 lupufhi lwo ima kha _____.

Lunanga lulapfu lwo ima kha _____.

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

Ri ri ndi _____ u ya kha _____.

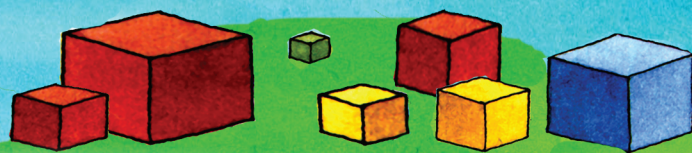


Lunanga lupufhi lwo ima kha _____.

Lunanga lulapfu lwo ima kha _____.

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

Ri ri ndi _____ u ya kha _____.



Luṅanga lupfufhi lwo ima kha _____.

Luṅanga lulapfu lwo ima kha _____.

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

Ri ri ndi _____ u ya kha _____.

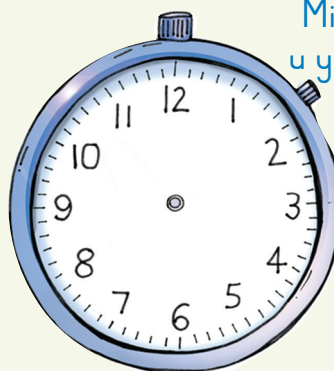


Olani luṅanga lulapfu na luṅanga lupfufhi.

Minete miṭanu u
ya kha awara ya
vhumalo.



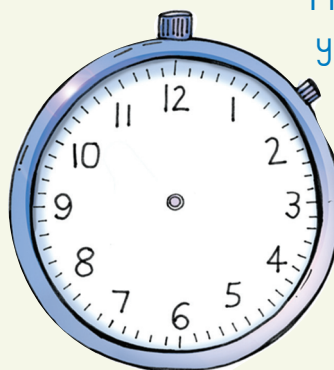
Minete ya fumbili
u ya kha awara ya
vhuraru.



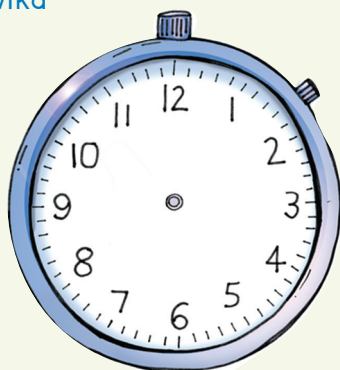
Minete miṭanu u
ya kha awara ya
u thoma.



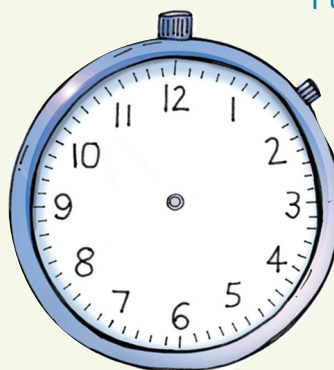
Minete ya fumi u
ya kha awara ya
rathi.



Fumiraru u swika
kha sumbe.



Fumimbili u swika
kha fumimbili.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Mutanganyomudovhololwa (ndovhololo ya mutanganyo)

Deithi:

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



Ndi nga i n'wala
 $2 + 2 + 2 = 6$ kana
 $3 \times 2 = 6$

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

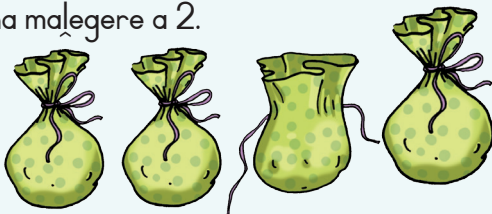
Ndi nga i n'wala sa
 $5 + 5 + 5 = 15$
kana $3 \times 5 = 15$



Lavhelesani zwiputo zwa 3 zwi re na malegere:

- Nwalani mbalo ya u tanganya ya tshinwe na tshinwe.
- Nwalani mbalo ya mutanganyo ya linwe na linwe.
- Nwalani mbalo ya muandiso ya linwe na linwe.

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



Fhungo: zwigwada zwivhili zwa 2

Mbalo ya mutanganyo: $2 + 2 + 2 + 2 = \underline{\quad}$

Mbalo ya muandiso: $4 \times 2 = \underline{\quad}$

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



Fhungo:

Mbalo ya mutanganyo:

Mbalo ya muandiso:

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



Fhungo:

Mbalo ya mutanganyo:

Mbalo ya muandiso:

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



Fhungo:

Mbalo ya mutanganyo:

Mbalo ya muandiso:



Kha ri lingedze ri

tshi shumisa zwiputo zwi re na malegere a 4 kha tshinwe na tshinwe.

Tshiputo tshinwe na tshinwe tshi na malegere a 4. Hu na malegere mangana?

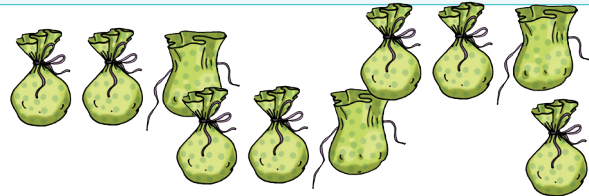


Fhungo: zwigwada zwa 7 zwa 4

Mbalo ya mutanganyo:

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

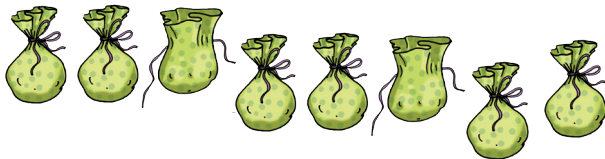
$$\text{Mbalo ya muandiso: } 7 \times 4 = 28$$



Fhungo: _____

Mbalo ya mutanganyo: _____

Mbalo ya muandiso: _____



Fhungo: _____

Mbalo ya mutanganyo: _____

Mbalo ya muandiso: _____



Fhungo: _____

Mbalo ya mutanganyo: _____

Mbalo ya muandiso: _____



Fhedzisani thebulu ya muandiso.

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

Ndi na mabogisi matanu a re na mafini mbili kha linwe na linwe. Hu na mafini nngana dzo tangana dzotlhe?



Ndi na mabogisi man'a a re na khekhe dza khaphu t'hanu kha linwe na linwe. Hu na khekhe dza khaphu nngana dzo tangana dzotlhe?



Ndi na mabogisi mararu a re na dounati n'na kha linwe na linwe. Hu na dounati nngana dzo tangana dzotlhe?



Teacher: _____
Sign: _____
Date: _____



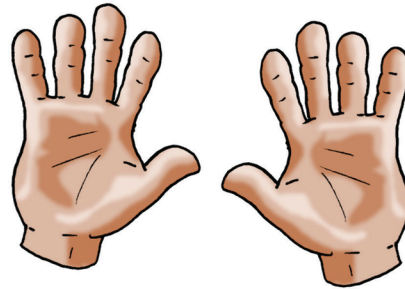
Andisani nga 5

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 Milenzhe
mulenzhe muthihi

×



=

Minwe kha Zwanda
tshanda tshithihi

×



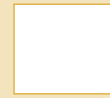
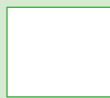
=

Zwikunwe kha Milenzhe
mulenzhe muthihi

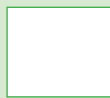
×



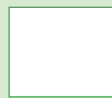
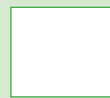
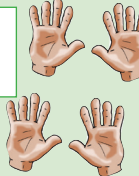
=

Minwe kha Zwanda
tshanda tshithihi

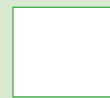
×



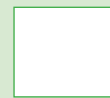
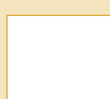
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Zwikunwe kha Milenzhe
mulenzhe muthihi

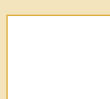
×



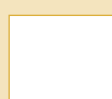
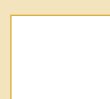
=

Minwe kha Zwanda
tshanda tshithihi

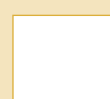
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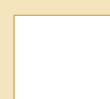
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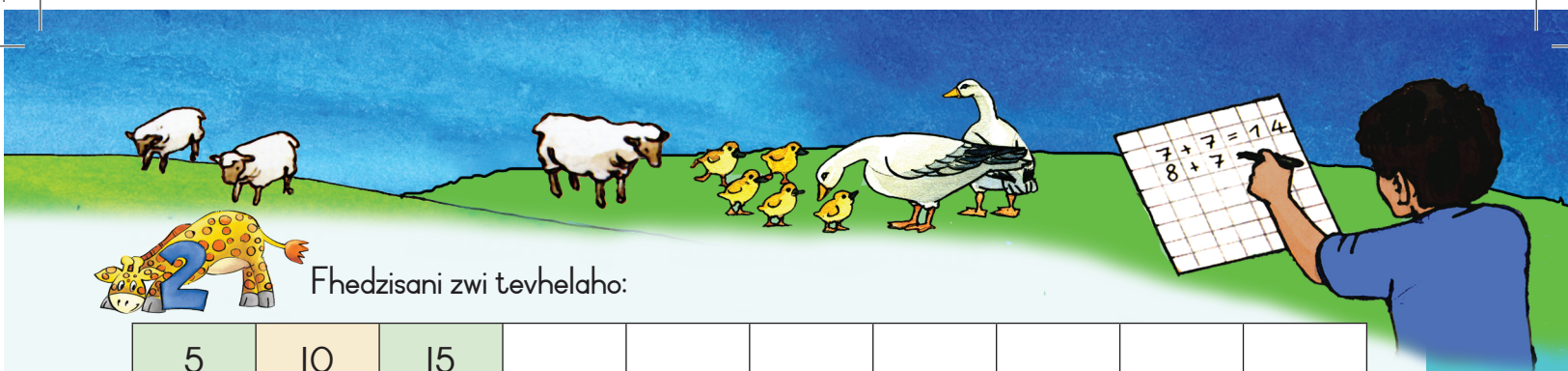
Zwikunwe kha Milenzhe
mulenzhe muthihi

×



=

Minwe kha Zwanda
tshanda tshithihi



Fhedzisani zwi tevhelaho:

5	10	15							
50	45	40							



Fhedzisani zwi tevhelaho:

$5 \times$  = maapula a	$4 \times$  = miomva ya
$6 \times$  = miomva ya	$7 \times$  = maapula a



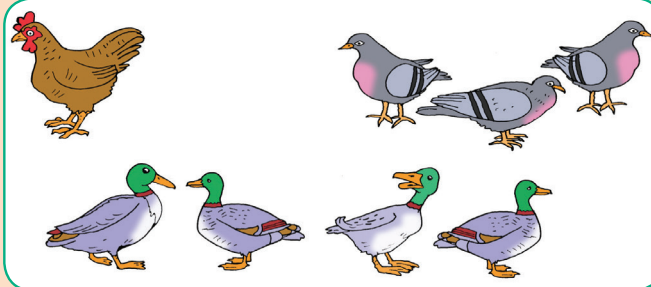
Fhedzisani zwi tevhelaho:

$15 \times 5 = \square$ $\begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \begin{array}{ c } \hline 5 \\ \hline \end{array} \times 5$ $= \begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} + \begin{array}{ c } \hline 5 \\ \hline \end{array} \times 5$ $= \begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \times 5 + \begin{array}{ c } \hline 5 \\ \hline \end{array} \times 5$ $= 50 + 25$ $= 75$ 	$12 \times 5 = \square$ $\begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \begin{array}{ c } \hline 2 \\ \hline \end{array} \times 5$ $= \begin{array}{ c c } \hline & \\ \hline \end{array} + \begin{array}{ c } \hline \\ \hline \end{array} \times \begin{array}{ c } \hline \\ \hline \end{array}$ $= \begin{array}{ c c } \hline & \\ \hline \end{array} \times \begin{array}{ c } \hline \\ \hline \end{array} + \begin{array}{ c } \hline \\ \hline \end{array} \times \begin{array}{ c } \hline \\ \hline \end{array}$ $= \begin{array}{ c c } \hline & \\ \hline \end{array} + \begin{array}{ c } \hline \\ \hline \end{array}$ $= \begin{array}{ c } \hline \\ \hline \end{array}$
$14 \times 5 = \square$ $\begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \begin{array}{ c } \hline 4 \\ \hline \end{array} \times 5$ $= \begin{array}{ c c } \hline & \\ \hline \end{array} + \begin{array}{ c } \hline \\ \hline \end{array} \times \begin{array}{ c } \hline \\ \hline \end{array}$ $= \begin{array}{ c c } \hline & \\ \hline \end{array} \times \begin{array}{ c } \hline \\ \hline \end{array} + \begin{array}{ c } \hline \\ \hline \end{array} \times \begin{array}{ c } \hline \\ \hline \end{array}$ $= \begin{array}{ c c } \hline & \\ \hline \end{array} + \begin{array}{ c } \hline \\ \hline \end{array}$ $= \begin{array}{ c } \hline \\ \hline \end{array}$	$13 \times 5 = \square$ $\begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \begin{array}{ c } \hline 3 \\ \hline \end{array} \times 5$ $= \begin{array}{ c c } \hline & \\ \hline \end{array} + \begin{array}{ c } \hline \\ \hline \end{array} \times \begin{array}{ c } \hline \\ \hline \end{array}$ $= \begin{array}{ c c } \hline & \\ \hline \end{array} \times \begin{array}{ c } \hline \\ \hline \end{array} + \begin{array}{ c } \hline \\ \hline \end{array} \times \begin{array}{ c } \hline \\ \hline \end{array}$ $= \begin{array}{ c c } \hline & \\ \hline \end{array} + \begin{array}{ c } \hline \\ \hline \end{array}$ $= \begin{array}{ c } \hline \\ \hline \end{array}$



Teacher: _____
 Sign: _____
 Date: _____

Zwiṇoni zwoṭhe zwi
na milenzhe ya 2.



Zwiṇoni zwoṭhe zwi na
phapha dza 2.

Ṭhanganyelo ya milenzhe
tshifanyisoni itshi ndi tshifhio?

Ṭhanganyelo ya phapha
tshifanyisoni itshi ndi tshifhio?



maivha



Lavhelesani tshifanyiso ni fhedzise zwi tevhelaho.

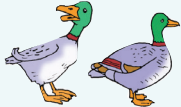
$$\boxed{} \times \boxed{} = \boxed{}$$

Tshivhalo tsha
maivha Milenzhe nga
tshiṇoni

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

Tshivhalo tsha
maivha Milenzhe nga
tshiṇoni

masekhwa



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

Tshivhalo tsha
masekwa Milenzhe nga
tshiṇoni

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

Tshivhalo tsha
masekwa Milenzhe nga
tshiṇoni



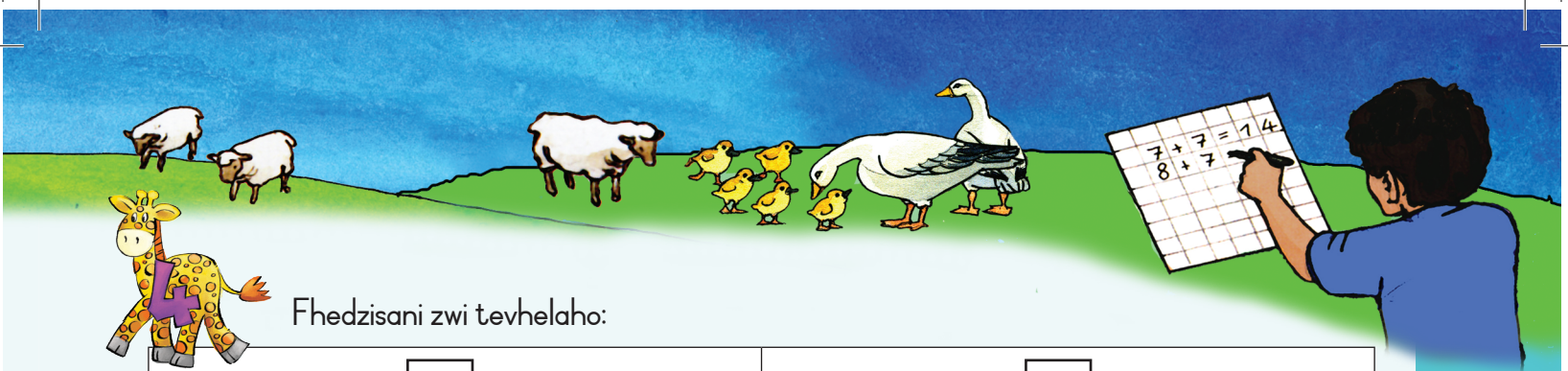
Fhedzisani zwi tevhelaho:

2	4	6							
20	18	16							



Fhedzisani zwi tevhelaho:

5 ×   = maapula a	4 ×   = miomva ya
6 ×   = miomva ya	7 ×   = maapula a



Fhedzisani zwi tevhelaho:

$$12 \times 2 = \square$$

$$10 + 2 \times 2$$

$$= 10 + 2 \times 2$$

$$= 10 \times 2 + 2 \times 2$$

$$= 20 + 4$$

$$= 24$$



$$15 \times 2 = \square$$

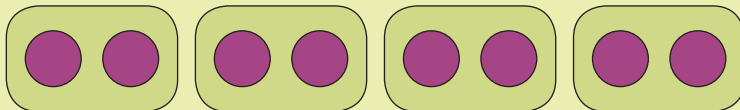
$$10 + 5 \times 2$$

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

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

$$= \square + \square$$

$$= \square$$



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

kana

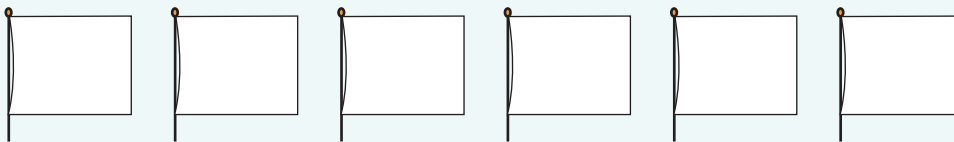
$$4 \times 2 = 8$$

kana

$$8 \div 2 = 4$$

Hetshi ndi tshiga tsha mukovho

Olani naledzi dza 2 kha fulaga inwe na inwe.



$$2 + \square + \square + \square + \square + \square = \square$$

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



Hu na zwibuloko zwingana kha mabaphathi aya a tshokoleithi?

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

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



Teacher: _____
Sign: _____
Date: _____

85a

Kotara u bva kha

Deithi:

Themo ya 3



Ambani nga watshi.



Luṅanga lupfufhi lu kha ḡi tou bva u fhira awara ya u thoma.

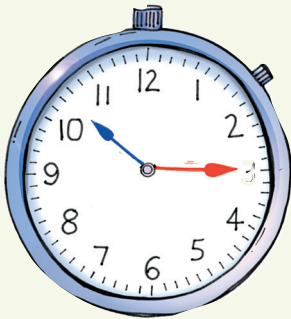
Luṅanga lulapfu lwo ima kha miminete ya fumiṭhanu.

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?



Luṅanga lupfufhi lu kha ḡi tou bva u fhira _____.

Luṅanga lulapfu lwo ima kha miminete ya _____.

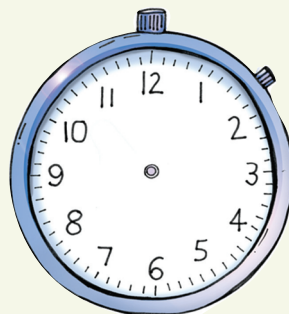
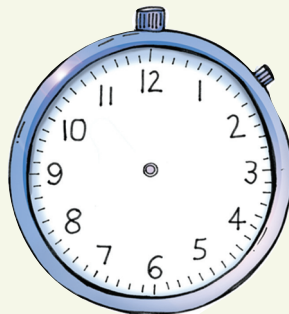
Ri ri ndi _____ u bva kha _____.



Olani luṅanga lulapfu na luṅanga lupfufhi.

Kotara u bva kha 8.

Kotara u bva kha 3.



Kotara u ya kha



Ambani nga watshi.



Luṅanga lupfufhi lutsinitsini na raru.

Luṅanga lulapfu lwo ima kha **miminete ya fuṅaṭhanu**.

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?



Luṅanga lupfufhi lu tsinitsini na _____.

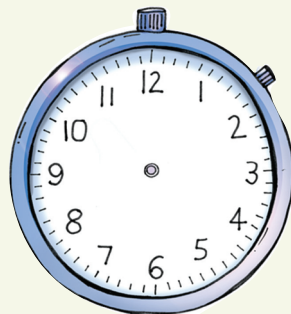
Luṅanga lulapfu lwo ima kha **miminete ya** _____.

Ri ri ndi _____ **u ya kha** _____.

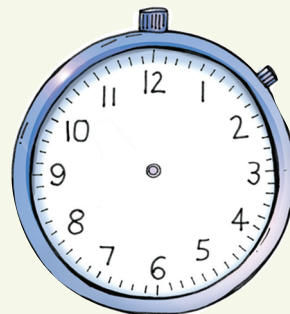


Olani luṅanga lulapfu na luṅanga lupfufhi.

Kotara u bva kha 4.



Kotara u bva kha 8.



Teacher: _____
Sign: _____
Date: _____

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Tshifhinga tshi a tshimbila

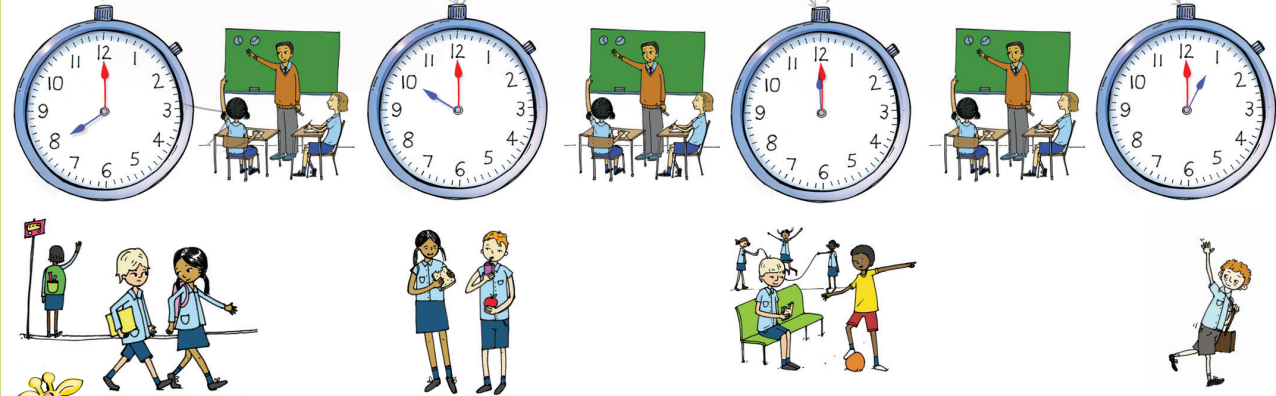
Deithi:

Themo ya 3

Awara dza 2

Awara dza 2

Awara ya 1

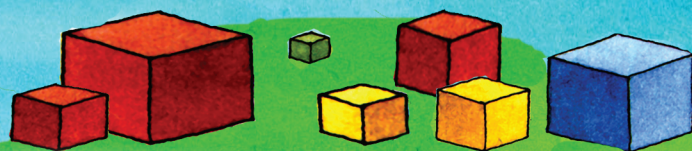


Zwo dzhia tshifhinga tshingafhani u ita mushumo?





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 tuwa nga awara ya 4 nga matsheloni vha vhuya hayani nga awara ya 10. Vho tuwa awara nngana?



Teacher:

Sign:

Date:

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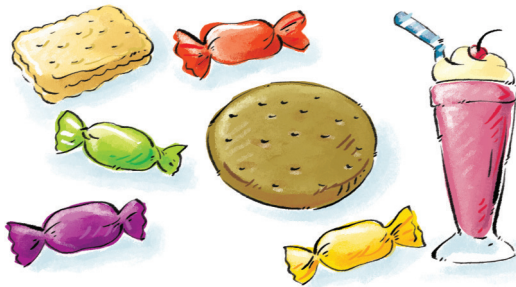
U inga kavhili

Deithi:

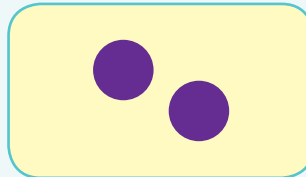
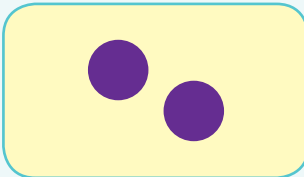
Themo ya 3



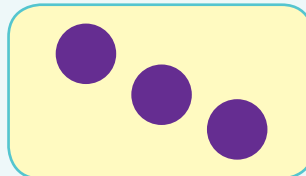
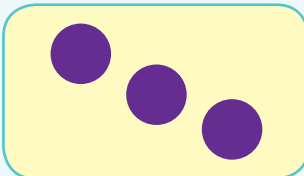
Lavhelesani tshifanyiso tsha u thoma na tsha vhuvhili. Ho itea mini?



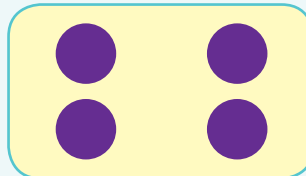
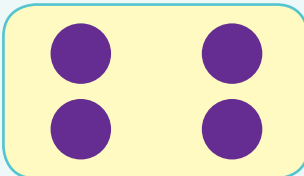
Engedzani zwithoma, ni riwale mbalo ya inwe na inwe.



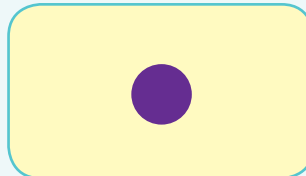
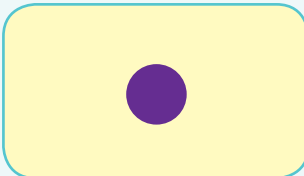
$$\square + \square = \square$$



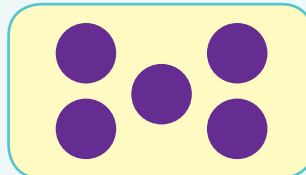
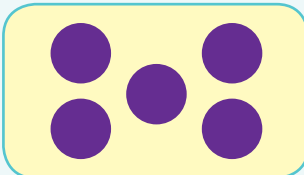
$$\square + \square = \square$$



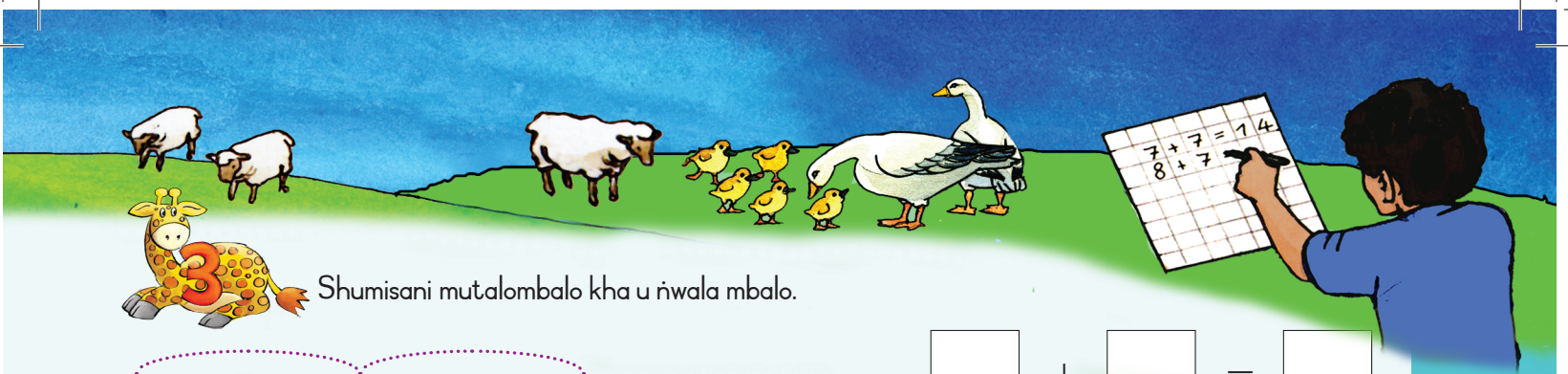
$$\square + \square = \square$$



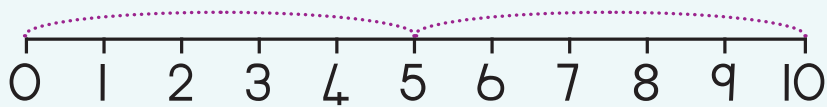
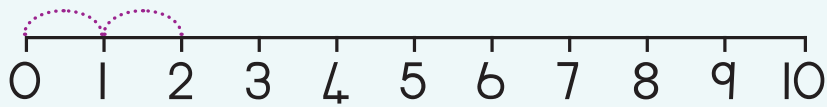
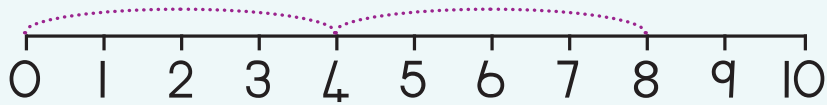
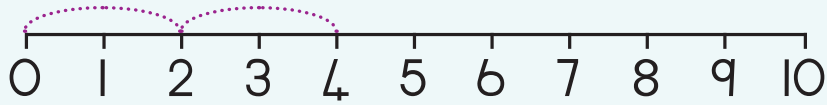
$$\square + \square = \square$$



$$\square + \square = \square$$



Shumisani mutalombalo kha u riwala mbalo.



$$\square + \square = \square$$

$$\square + \square = \square$$

$$\square + \square = \square$$

$$\square + \square = \square$$

$$\square + \square = \square$$



Ingani kavhili zwi tevhelaho:

1 kavhili

$$\square + \square = \square$$

2 kavhili

$$\square + \square = \square$$

3 kavhili

$$\square + \square = \square$$

4 kavhili

$$\square + \square = \square$$

5 kavhili

$$\square + \square = \square$$

$$2 \times \square = \square$$

$$2 \times \square = \square$$

$$2 \times \square = \square$$

$$2 \times \square = \square$$

$$2 \times \square = \square$$



2 4 6 8 10 12 14



Teacher:

Sign:

Date:

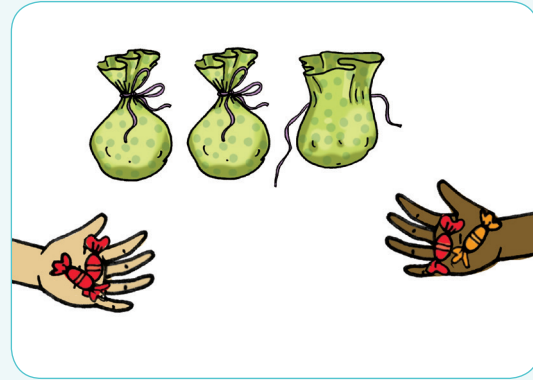
11 12 13 14 15 16 17 18 19 20

U inga kavhili ha u hafula

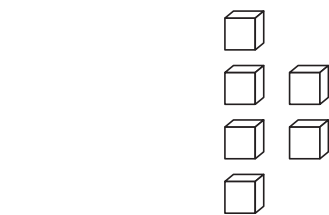
Deithi:



Lavhelesani zwifanyiso zwivhili. Itani tshiṭori tshaṇu.

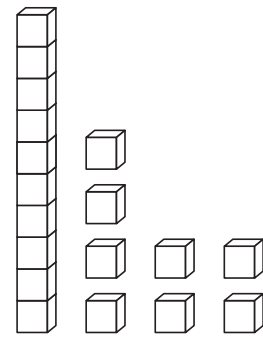


Vhalani zwithu ni khalare hafu yazwo.



Vhalani

Hafu ndi



Vhalani

Hafu ndi



Fhedzisani zwi tevhelaho ni ole tshifanyiso.

12 yo ingwa
kavhili ndi
 +



Fhedzisani

14	8		16	
		2		9



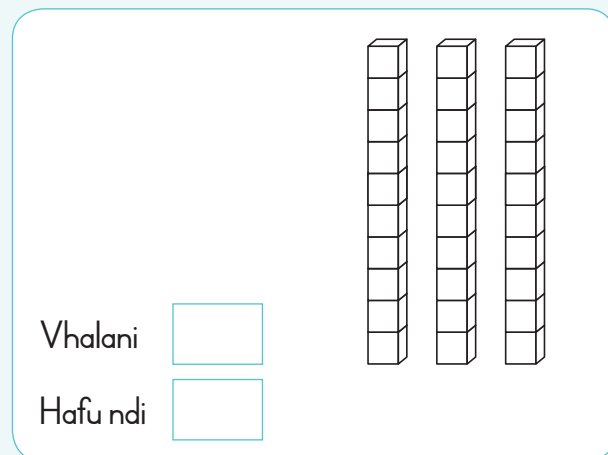
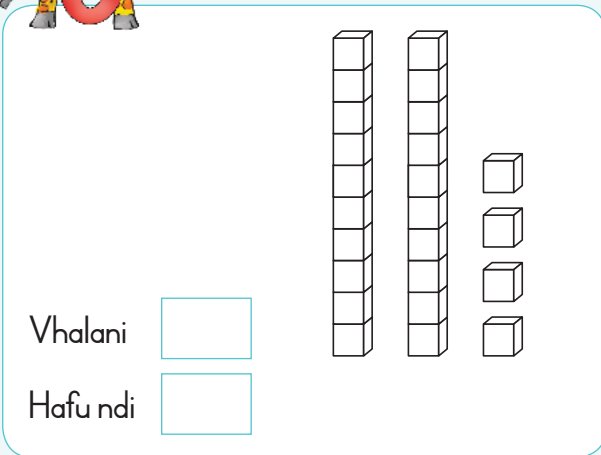
Lavhelesani zwifanyiso zwivhili. Itani tshiṭori tshanu.



Hu na maḽegere a 10 phakhetheni.



Vhalani zwithu ni khalare hafu yazwo.



Fhedzisani zwi tevhelaho ni ole tshifanyiso.

16 yo ingwa
kavhili ndi
 +



Fhedzisani.

34			36	40
		22		
		19		

Teacher:

Sign:

Date:



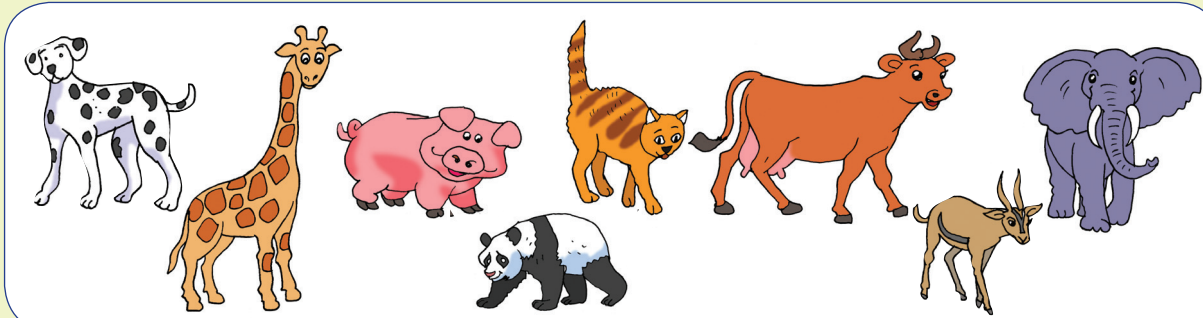
Muandiso muñwe hafhu

Deithi:

Themo ya 3

Zwipuka zwoṭhe zwi na milenzhe ya 4.

Zwipuka zwoṭhe zwi na maṭo a 2.



Tshivhalogute tsha milenzhe
tshifanyisoni itshi ndi tshifhio?

Tshivhalogute tsha nḁevhe
tshifanyisoni itshi ndi tshifhio?

Lavhelesani tshifanyiso ni fhedzise zwi tevhelaho:



Mmbwa

	×		=	
Tshivhalo tsha mmbwa		Milenzhe nga tshipuka		

	×		=	
Tshivhalo tsha mmbwa		Nḁevhe nga tshinoni		

Tshivhalo
tsha
phukha dza
ḁaka

	×		=	
Tshivhalo tsha phukha		Milenzhe nga tshipuka		

	×		=	
Tshivhalo tsha phukha		Milenzhe nga tshipuka		



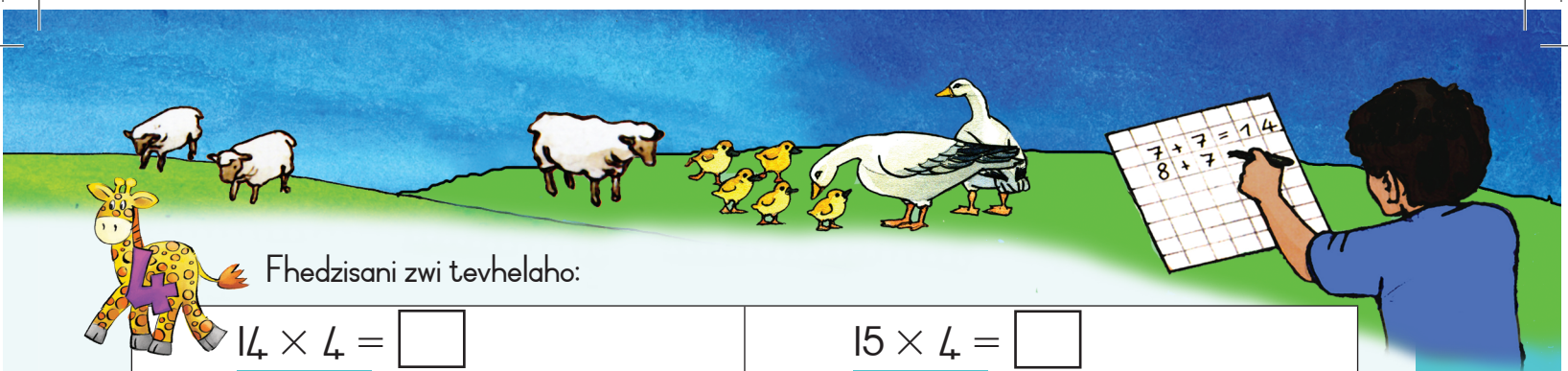
Fhedzisani zwi tevhelaho:

4	8	12							
40	36	32							



Fhedzisani zwi tevhelaho

$5 \times$  $=$ maapula a	$4 \times$  $=$ miomva ya
$6 \times$  $=$ miomva ya	$7 \times$  $=$ maapula a



Fhedzisani zwi tevhelaho:

$$\begin{aligned}
 14 \times 4 &= \square \\
 10 &+ 4 \times 4 \\
 &= 10 + 4 \times 4 \\
 &= 10 \times 4 + 4 \times 4 \\
 &= 40 + 16 \\
 &= 56
 \end{aligned}$$

$$\begin{aligned}
 15 \times 4 &= \square \\
 10 &+ 5 \times 4 \\
 &= \square + \square \times \square \\
 &= \square \times \square + \square \times \square \\
 &= \square + \square \\
 &= \square
 \end{aligned}$$



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 edane?



Fhedzisani zwi tevhelaho:

Kovhelani mavhulu dza 19 vhana vha 4 nga u edana.

Muñwe na muñwe u wana
Masalela

Kovhelani penisela dza 22 vhana vha 4 nga u edana.

Muñwe na muñwe u wana
Masalela



Olani tshifanyiso ni tshi sumbedza phindulo dzanu.

Kovhelani mabisikitsi a 23 vhana vha 4 nga u edana.

Muñwe na muñwe u wana
Masalela

Kovhelani lolipopo dza 15 vhana vha 4 nga u edana.

Muñwe na muñwe u wana
Masalela



Teacher: _____
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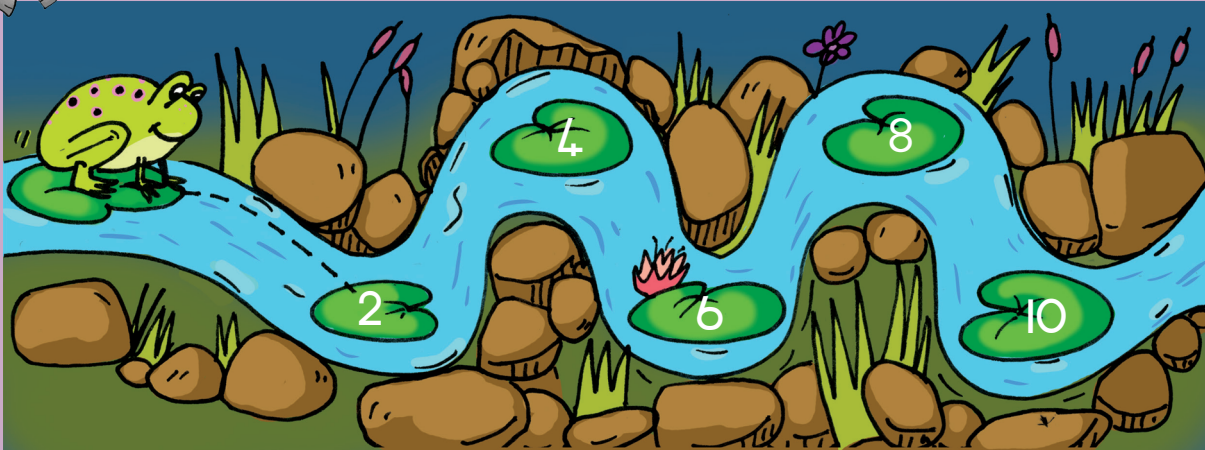
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Phetheni dza nomboro

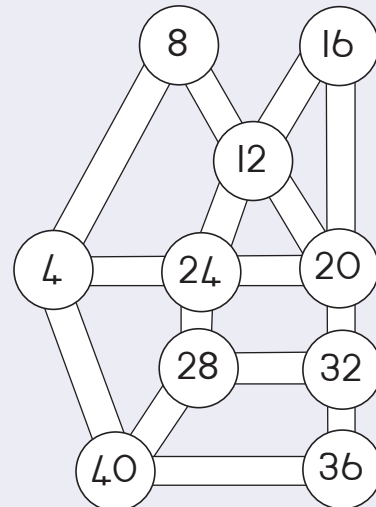
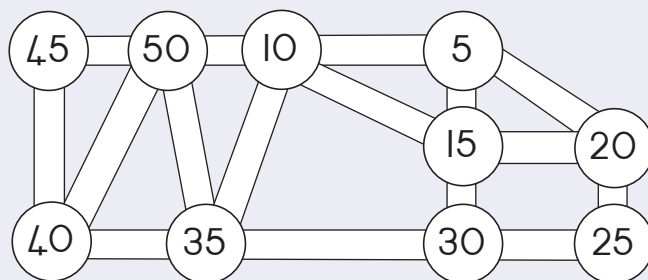
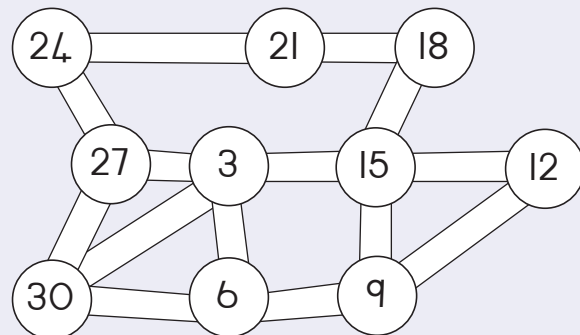
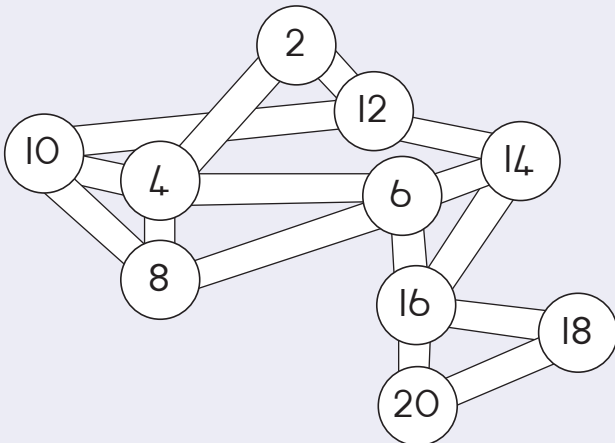
Deithi:

Themo ya 3

Nomboro i re kha siatari li tevhelaho i do vha if hio?

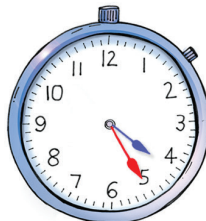
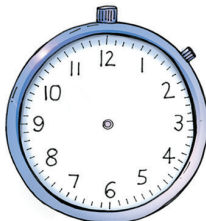
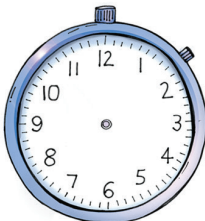
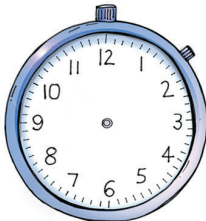
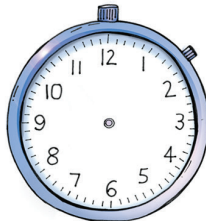
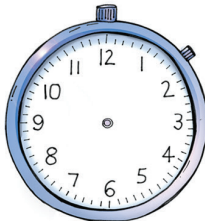
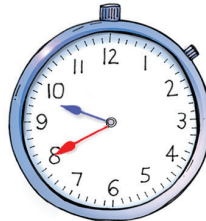
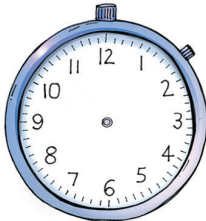
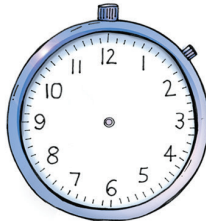
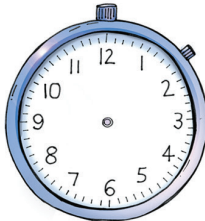
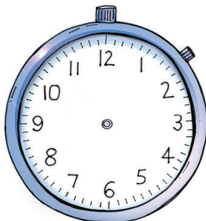
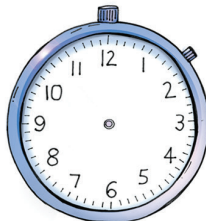
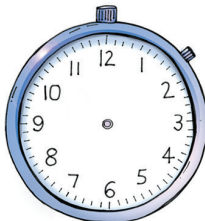
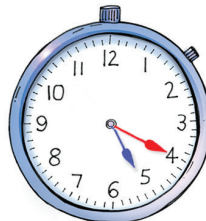
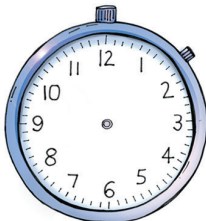
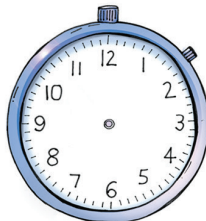
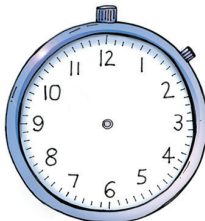


Topolani phetheni. Olani ludila, ni thome nga nomboro thukhusa.





Olani maṅanga 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: _____

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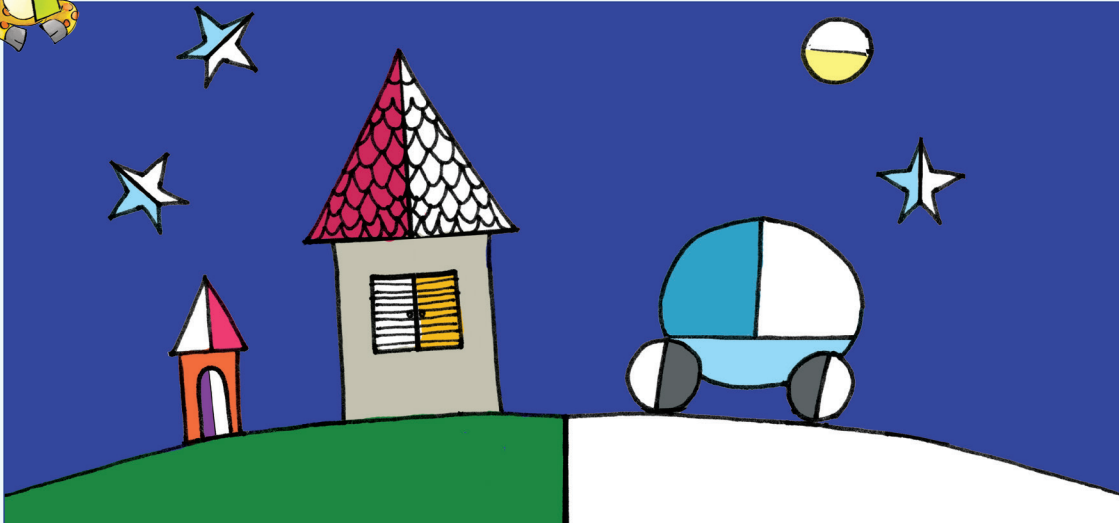
Furakhisheni (zwipida) – hafu

Deithi:

Themo ya 3



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

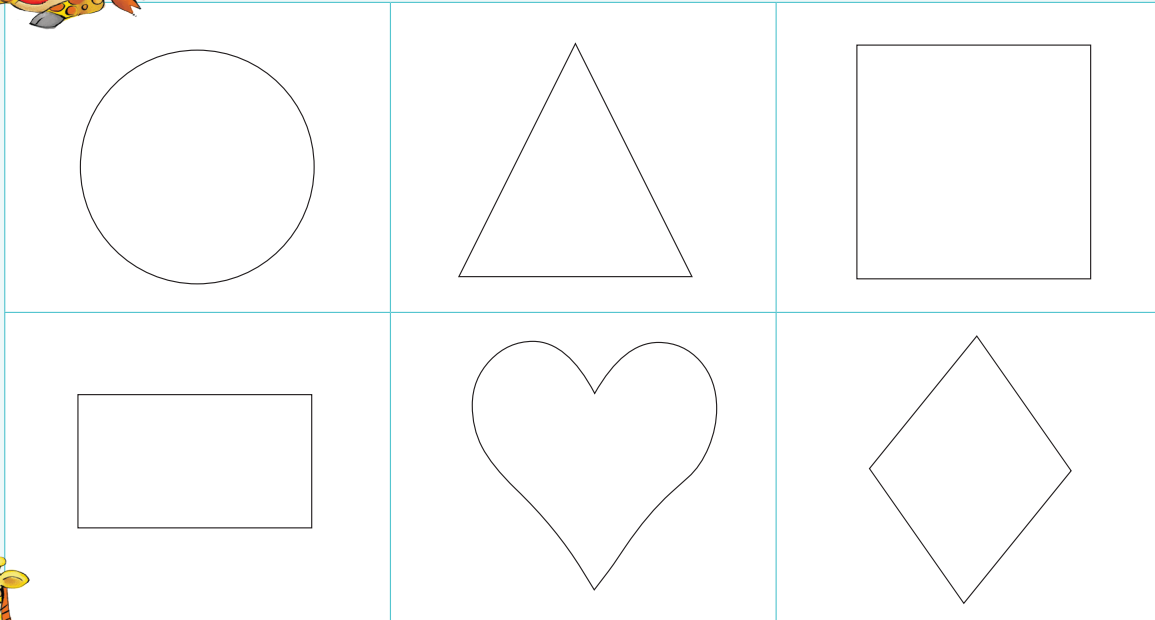


Lavhelesani tshifanyiso. Nwalani thiki kha zwivhumbeo zwi no sumbedza hafu. Khalarani hafu nthihi ya tshivhumbeo tshinwe na tshinwe tsha tsha fhandukanywa tsha bva dzihafu.

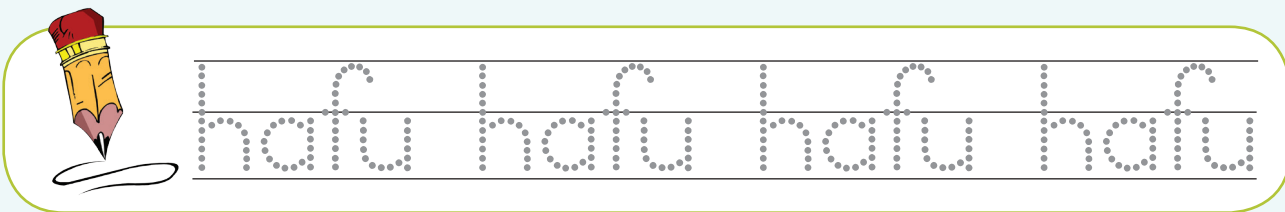
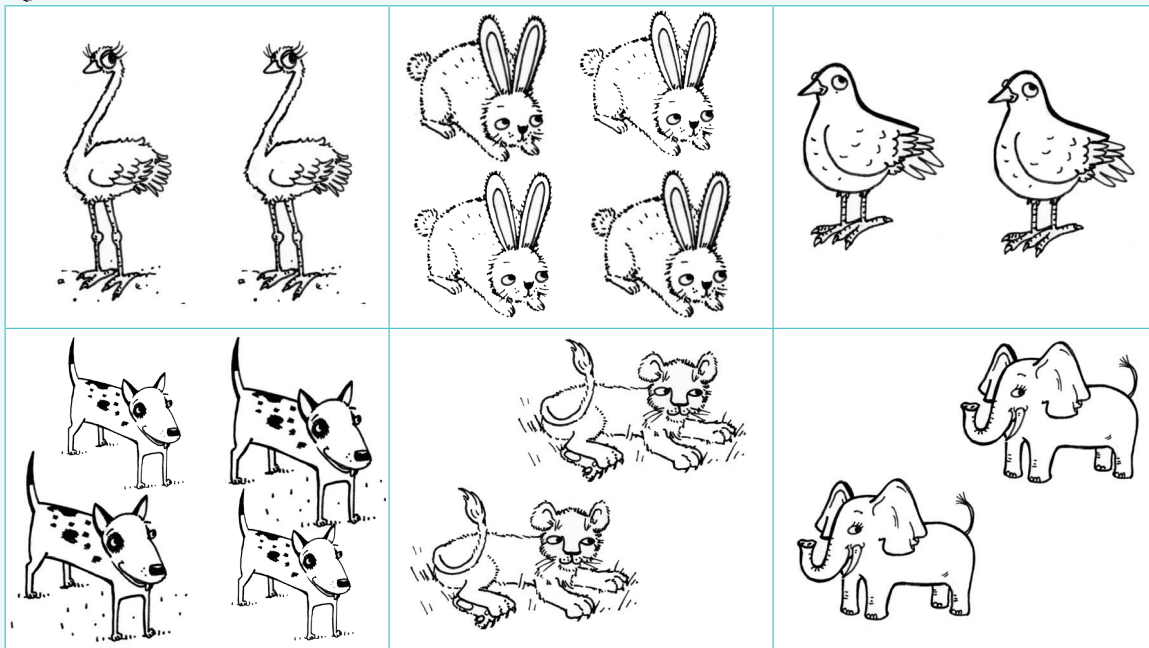
 ☐	 ☐	 ☐	 ☐
 ☐	 ☐	 ☐	 ☐
 ☐	 ☐	 ☐	 ☐



Khalarani hafu ya tshivhumbeo tshinwe na tshinwe.



Khalarani hafu ya zwipuka zwi re kha tshibuloko tshinwe na tshinwe



Teacher: _____
Sign: _____
Date: _____



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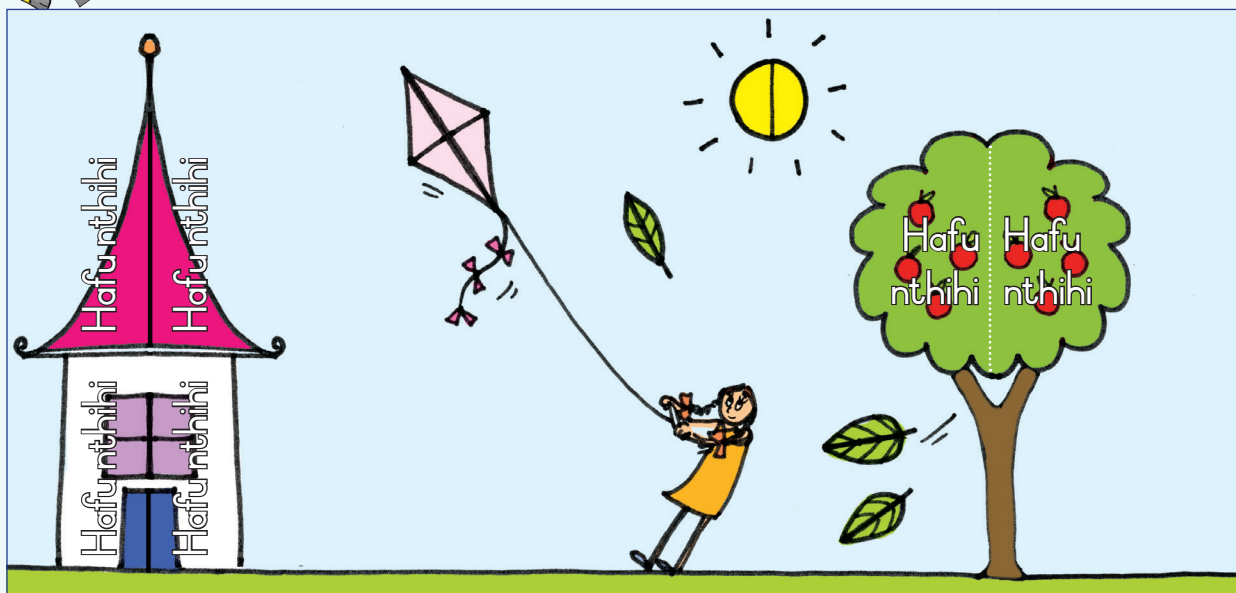


Furakhisheni – hafu dzinwe hafhu

Deithi:

Themo ya 3

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

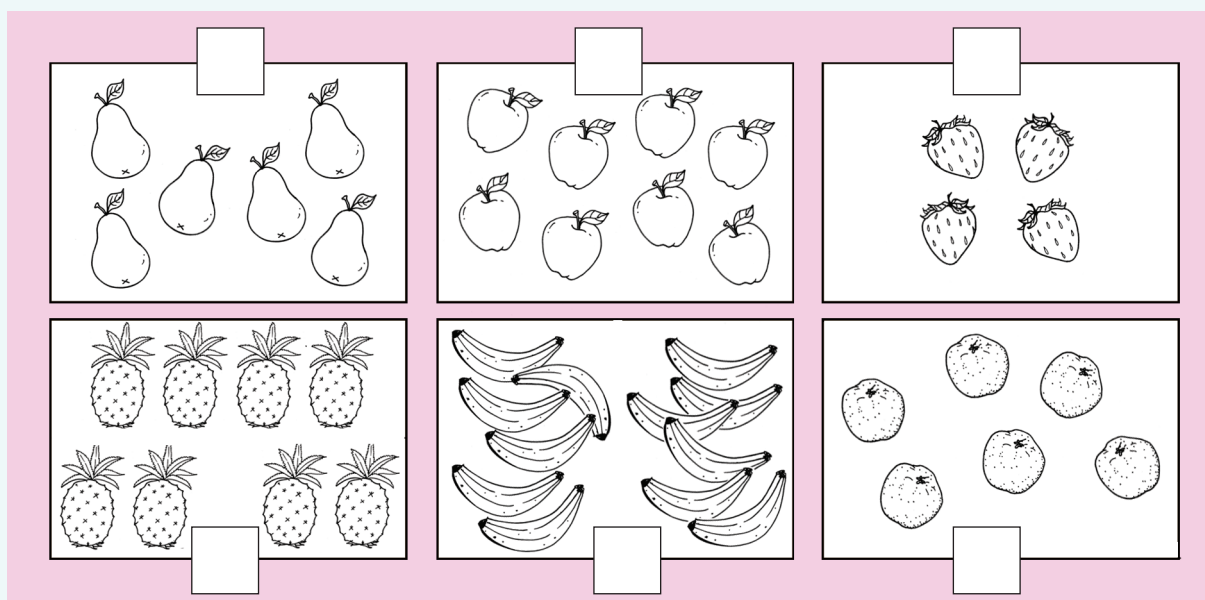


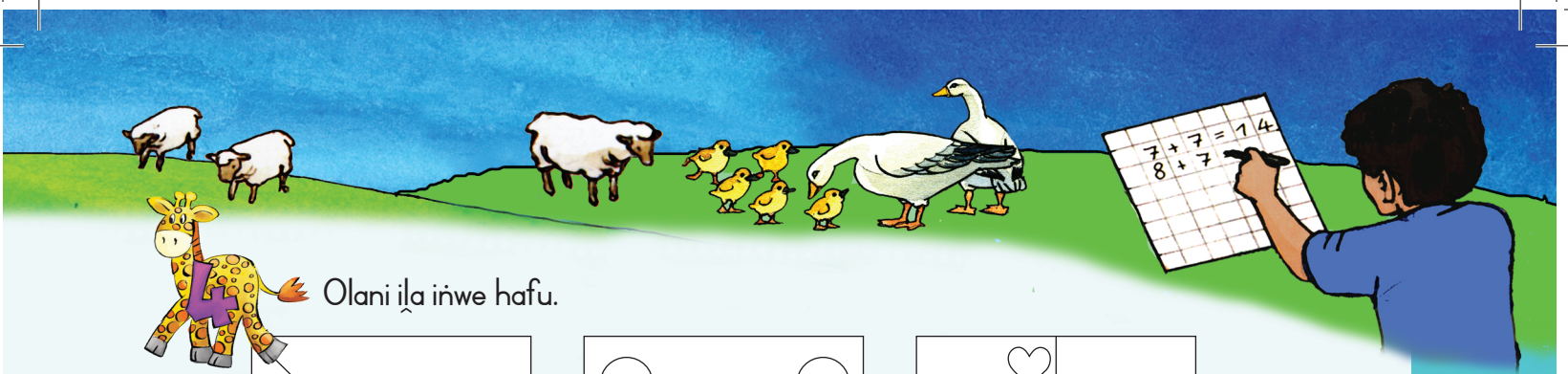
Hafu nthihi ya maapula a re murini ndi



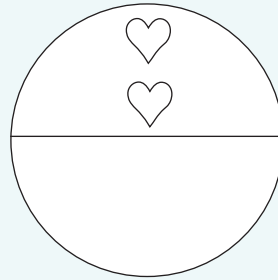
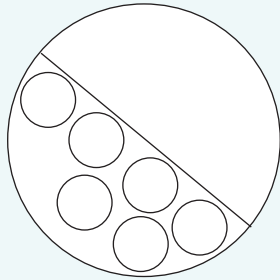
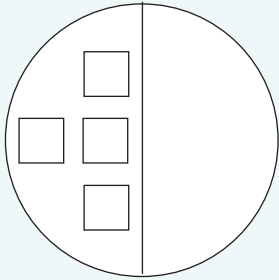
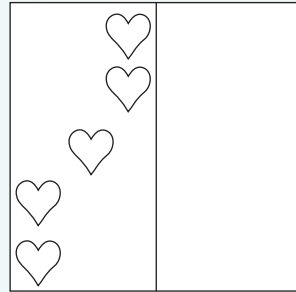
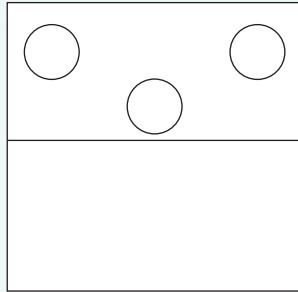
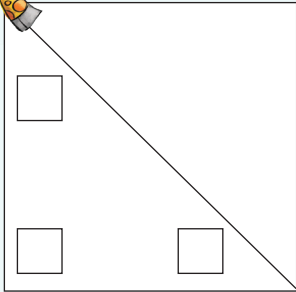
Khalarani hafu ya mitshelo kha tshigwada tshinwe na tshinwe.

Hafu ya tshivhalo tsha mitshelo i re kha tshigwada tshinwe na tshinwe ndi ifhio?

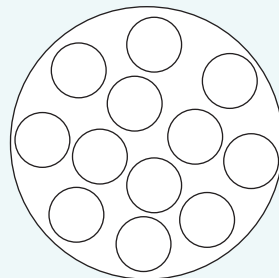
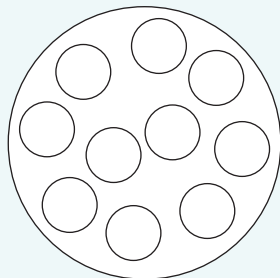
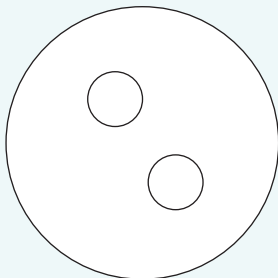
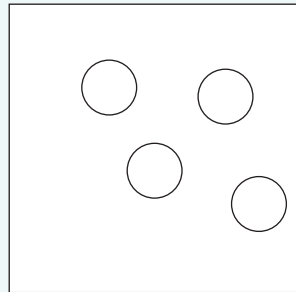
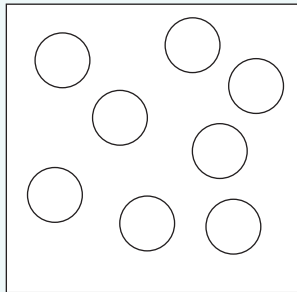
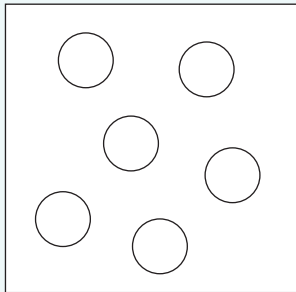




Olani ila inwe hafu.



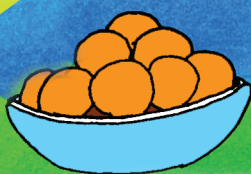
Khalarani hafu ya zwivhumbeo.



hafu hafu hafu hafu



Teacher:
Sign:
Date:

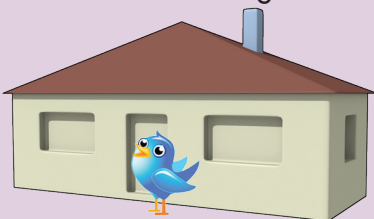


Vhuimo na mbonalo

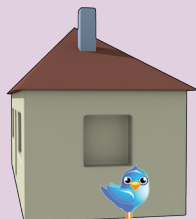
Deithi:

Themo ya 3

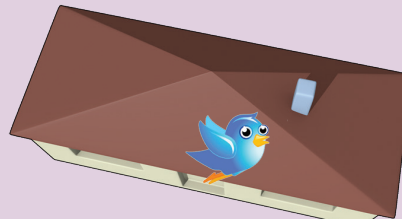
Tshinoni tsho ima ngafhi? Maipfi e na newa a do ni thusa.



Mbonalo ya nga phanda ya tshifhato.



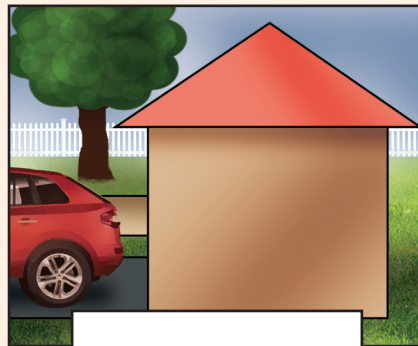
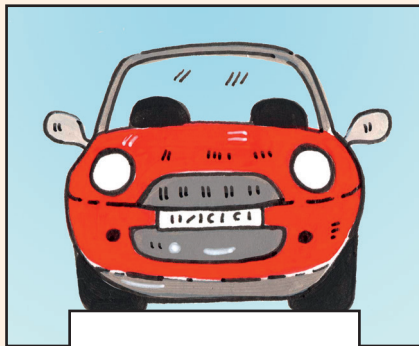
Mbonalo ya nga matungo ya tshifhato.



Mbonalo ya nga ntsha ya tshifhato.



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

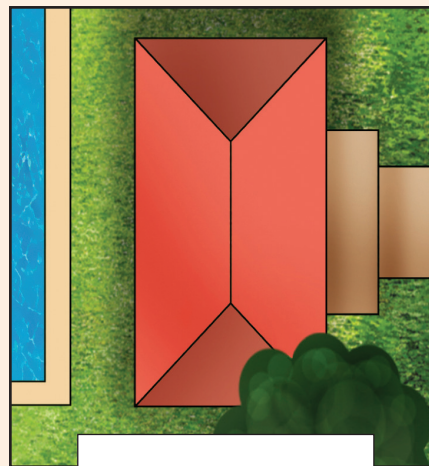
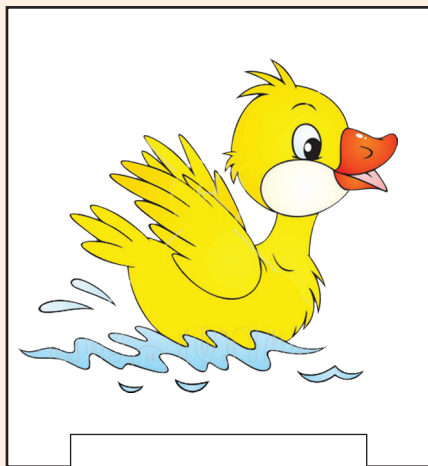


Nwalani maipfi aya kha tshifanyiso. Uyu muthu u khou vhona mini?

mbonalo ya nga phanda

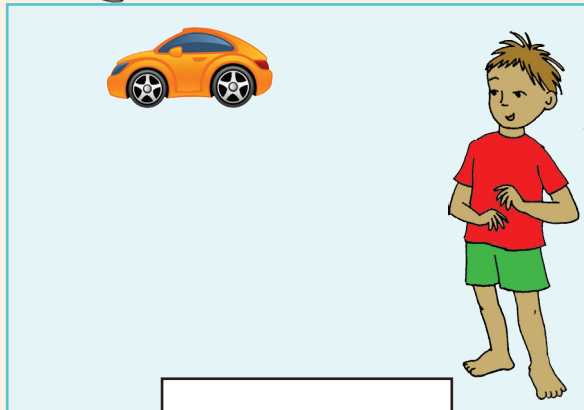
mbonalo ya nga ntsha

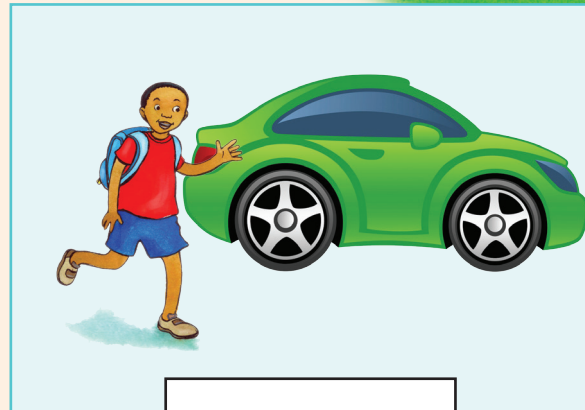
mbonalo ya nga matungo

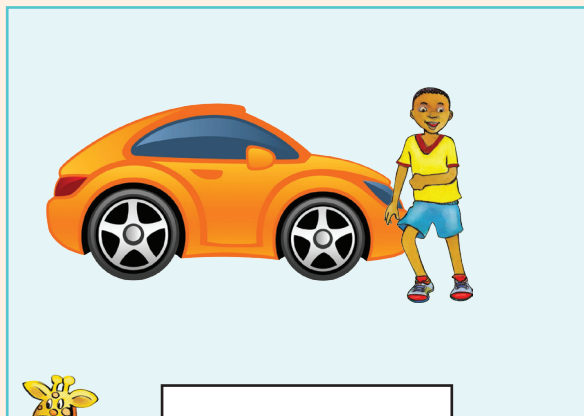


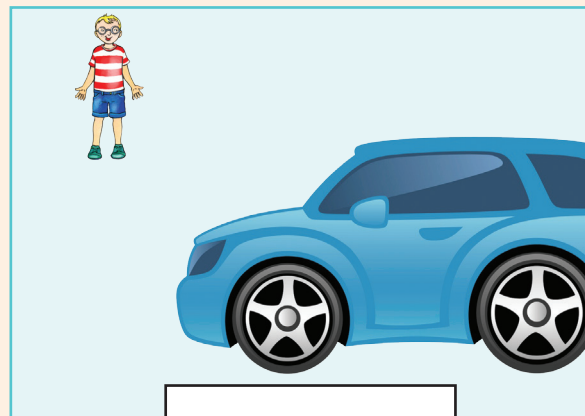


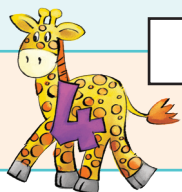
Bulani uri mođoro u tsini kana u kule na mutukana naa.



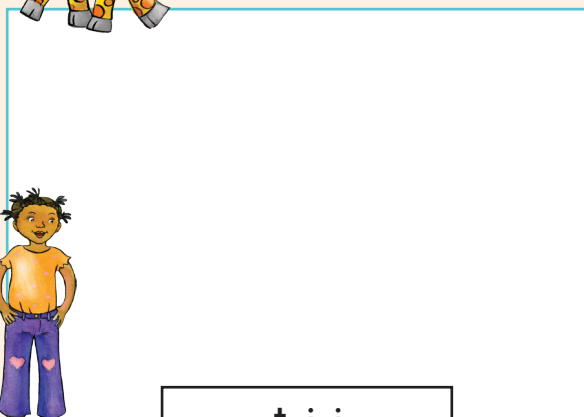


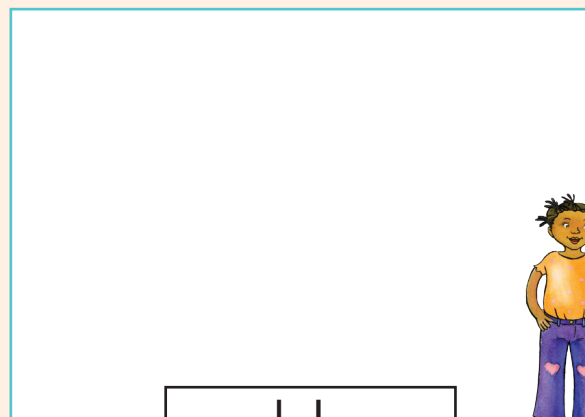






Olani muri u tsini kana kule na musidzana.







Itani nyito iyi:

- Lavhelesani zwithu zwivhili nga maṭo vhuvhili hao. Ni vhona mini?
- Thivhani lito lithihi nga tshaṇḁa, zwino ni vho vhona mini?



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Date: _____

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Data inwe hafhuhafhu

Deithi:

Themo ya 3



Nanguludzani mitshelo. Olani nyolo yanu ya u zwi sumbedza. Nwalani ṭhanganyelo 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?

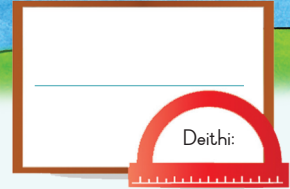


Teacher:

Sign:

Date:

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Furakhisheni – dzikota

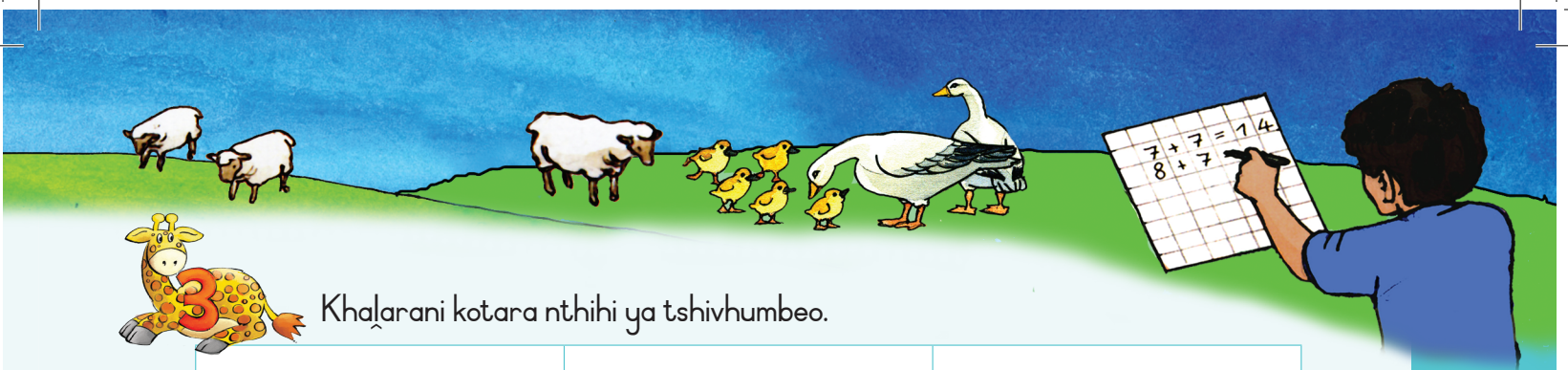


Khalarani kota ya u fhedza nga muvhala muthihi.



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

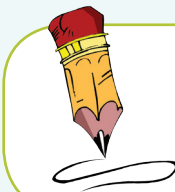
 ☐	 ☐	 ☐	 ☐
 ☐	 ☐	 ☐	 ☐
 ☐	 ☐	 ☐	 ☐



Khalarani kotara nthihi ya tshivhumbeo.



Khalarani kota nthihi ya tshigwada tshinwe na tshinwe tsha zwipuka.



kota kota kota



Teacher: _____
Sign: _____
Date: _____

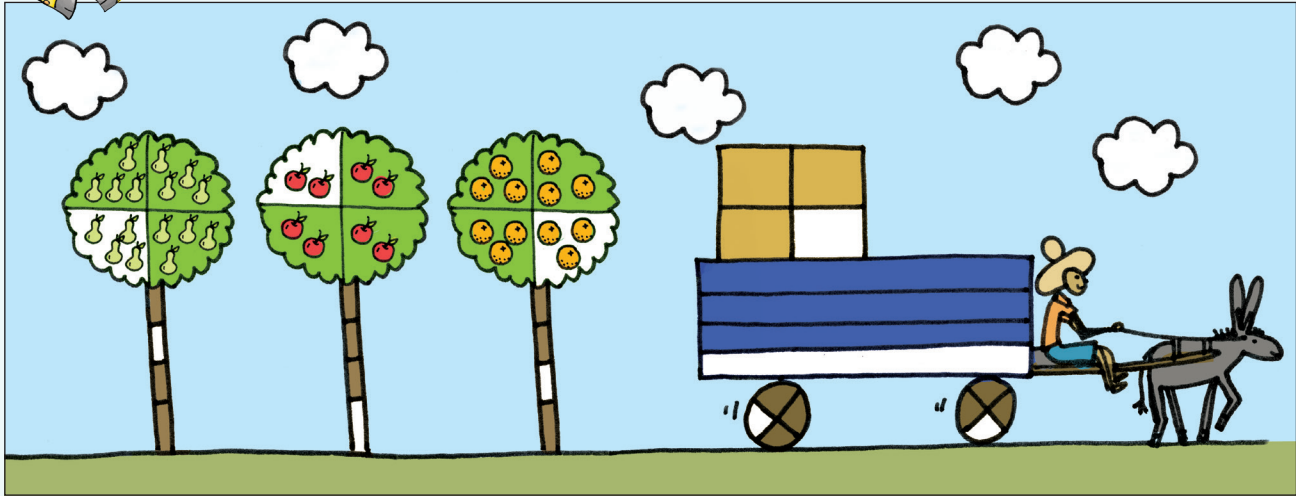


Furakhisheni — kota dzinwe haf hu

Deithi:



Khalarani kota ya u fhedza nga muvhala muthihi.



Fhindulani zwi tevhelaho:

kota nthihi ya mapiere a re murini ndi _____.

kota nthihi ya maapula a re murini ndi _____.

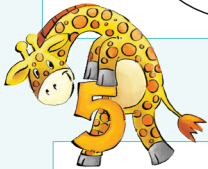
kota nthihi ya maswiri a re murini ndi _____.



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



Olani zwiñwe zwivhumbeo u itela uri kota dzi lingane.



Sumbedzani kota nthihi ya zwivhumbeo.

--	--



Ndi tshifhio tshi re tshihulwane? Itani thiki kha phindulo yone.

	☐		☐	hafu nthihi	☐
	☐		☐	kota nthihi	☐



kota kota



Teacher: _____
Sign: _____
Date: _____

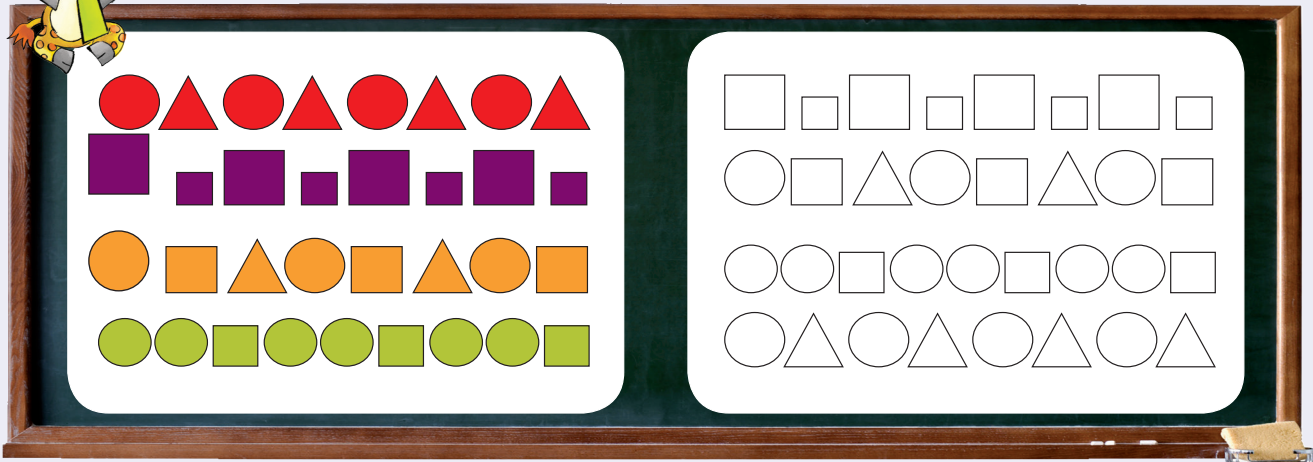
95

Nomborani phetheni nga zwivhumbeo

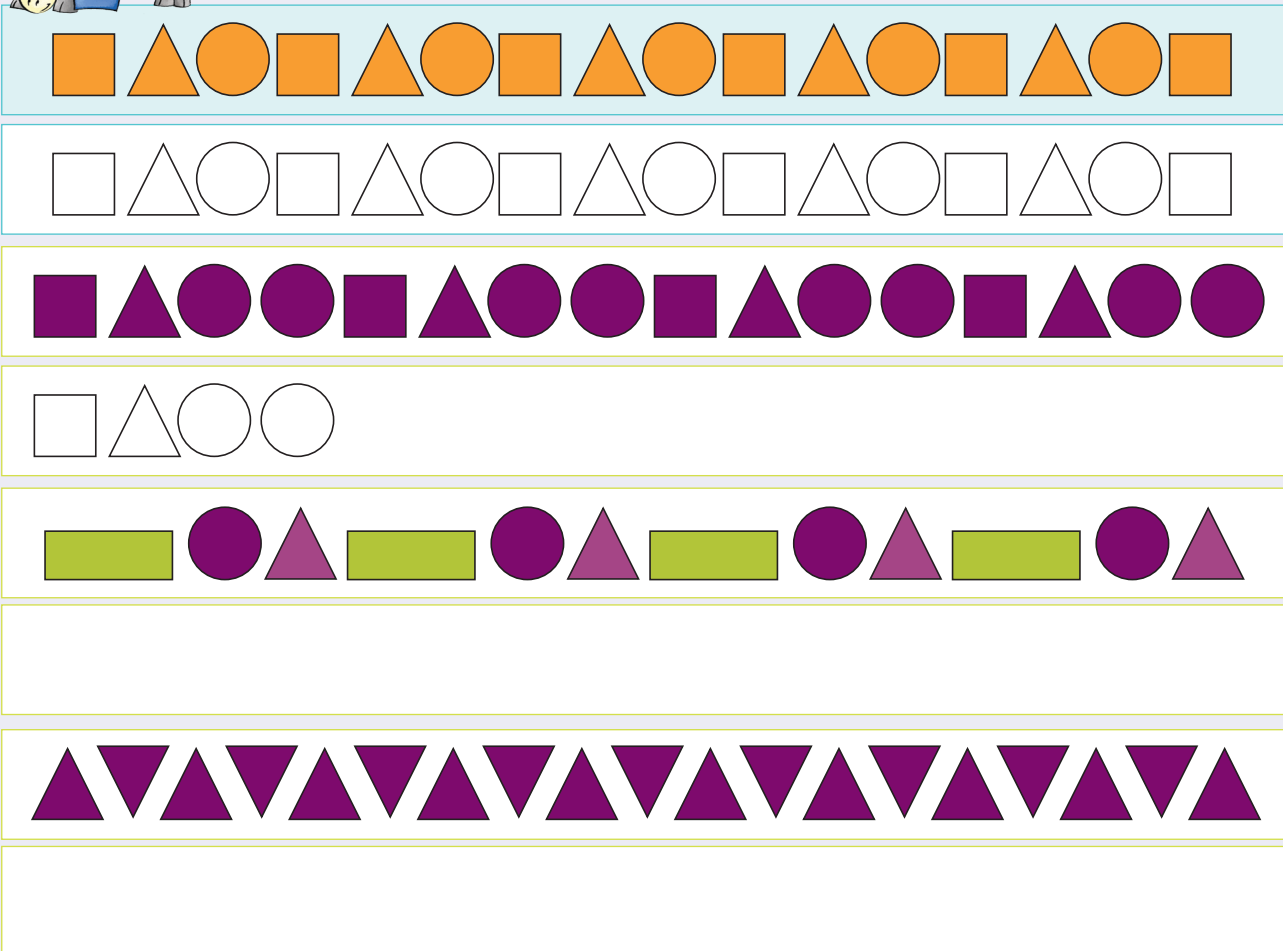
Deithi:

Themo ya 3

Livhanyani phetheni.



Kopololani phethini i tevhelaho.

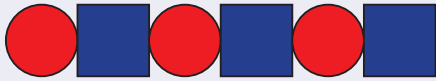




Khalarani phetheni i no tevhela.



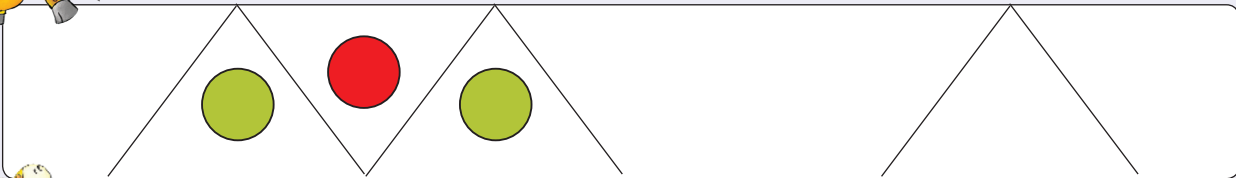
Olani phetheni i no tevhela.



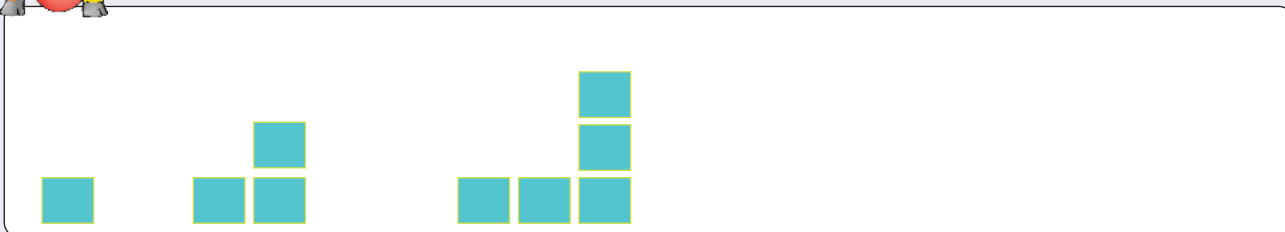




Tharamudzani phetheni.



Olani phetheni i no tevhela.



Olani phetheni yanu inwi mune.



Teacher: _____
Sign: _____
Date: _____

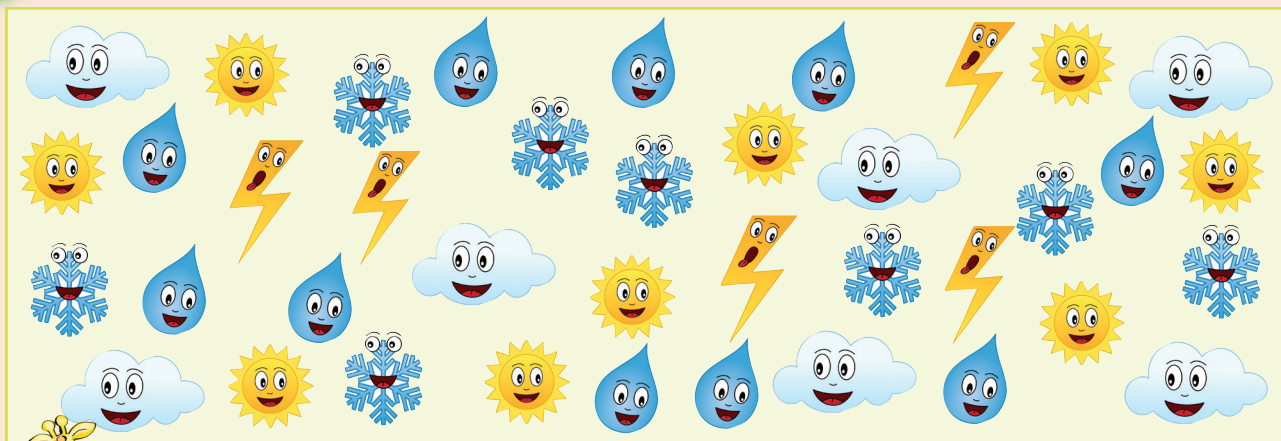
96



U vhekanya data

Deithi:

Themo ya 3



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













Olani phikhithogirafu ya zwithu zwa mutsho zwo nanguludzwaho.

KHII:



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

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

Ni vhona u nga ndi khalanwaha ifhio?

Ngani?

Zwi do rali kha mavundu othe?



Teacher:

Sign:

Date:

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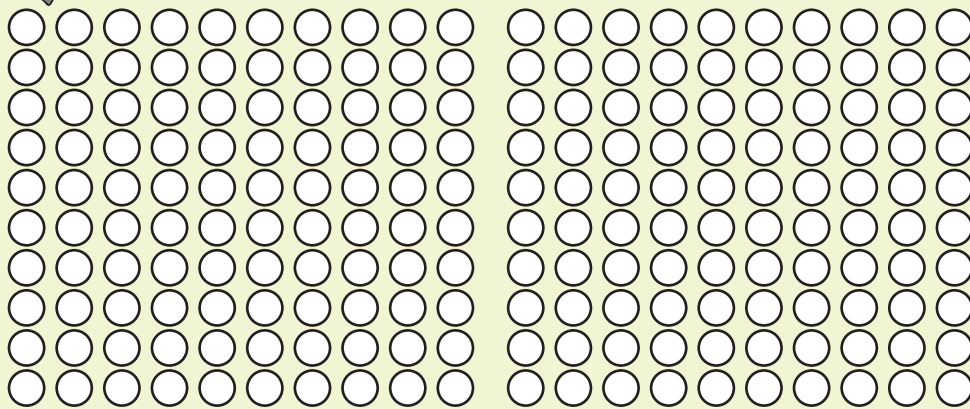
Nomboro 150 – 180

Deithi:

Themo ya 4



Khalarani zwitendeledzi zwa 172.



1 0 0

7 0

2



Nwalani fhungombalo la:

1 0 0 5 0 8

$$100 + 50 + 8 = 158$$



1 0 0 5 0 9

=

1 0 0 7 0 2

=

1 0 0 5 0 0

=

1 0 0 6 0 7

=

1 0 0 7 0 5

=



Ndi nomboro dzifhio dzi no da vhukati ha:

150 na 158

172 na 177

180 na 175

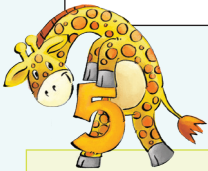
160 na 155

165 na 160



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

Tshukhu	Nomboro	Khulwane
	157	
	165	
	178	
	161	
	174	



Fhedzisani mitalombalo iyi.

150	151		153			156				160
-----	-----	--	-----	--	--	-----	--	--	--	-----

180	179	178								
-----	-----	-----	--	--	--	--	--	--	--	--

166	167					172			175	176
-----	-----	--	--	--	--	-----	--	--	-----	-----



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 tshukhusa.



Teacher: _____

Sign: _____

Date: _____



Deithi:

Nomboro 170 – 200

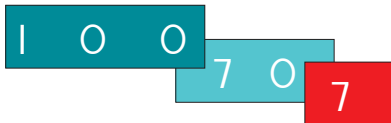
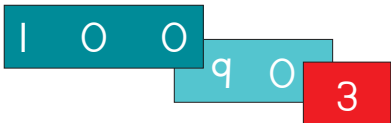
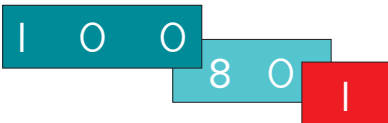
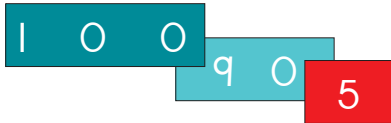
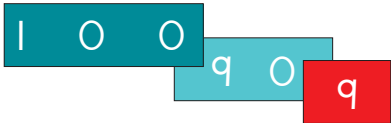
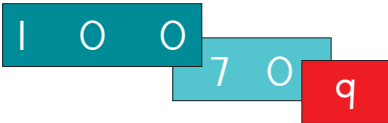


Khalarani zwitendeledzi zwa 199.

Diagram illustrating the base ten blocks for 100 and 10. The top row shows 100 blocks (10 tens rods, each composed of 10 units cubes). The bottom row shows 10 blocks (10 units cubes).



Nwalani nomboro ya:

 $100 + 70 + 7$ $= 177$ 	 $=$	 $=$
 $=$	 $=$	 $=$



Ndi nomboro ifhio i no da vhukati ha:

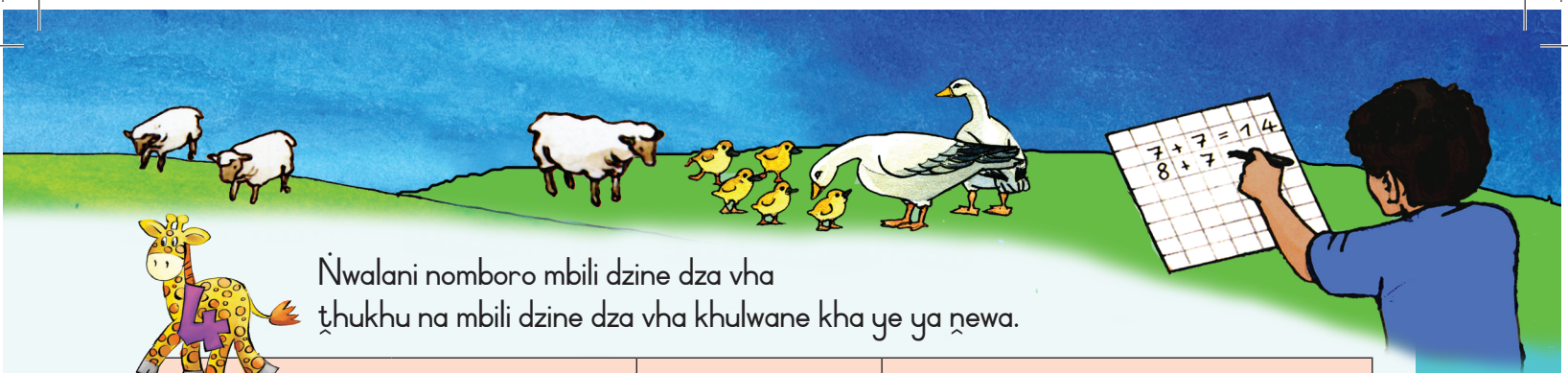
170 na 175

198 na 195

180 na 175

168 na 173

200 na 196



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

Tshukhu	Nomboro	Khulwane
	170	
	198	
	185	
	174	
	181	



Fhedzisani mitalombalo iyi.

170	171	172								180
-----	-----	-----	--	--	--	--	--	--	--	-----

175	176	177								
-----	-----	-----	--	--	--	--	--	--	--	--

190		192	193	194					199	200
-----	--	-----	-----	-----	--	--	--	--	-----	-----



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 tshukhusa.



Teacher:
Sign:
Date:

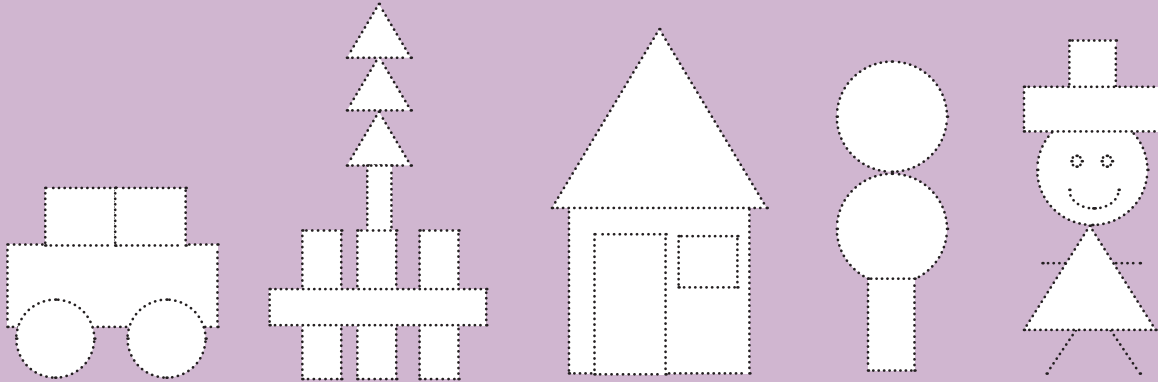
qq

Zwivhumbeo zwa 2-D

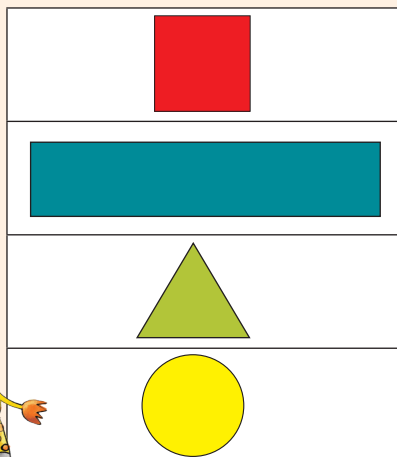
Deithi:

Themo ya 4

Tevhedzelani zwivhumbeo zwothe. Khalarani zwitendeledzi nga muvhala mutswuku, thiraiengele nga muvhala mudala, zwikwea nga wa ṭaḁa na rekithiengele nga wa lutombo.



Livhanyani ipfi na tshivhumbeo.



thiraiengele

tshitendeledzi

tshikwea

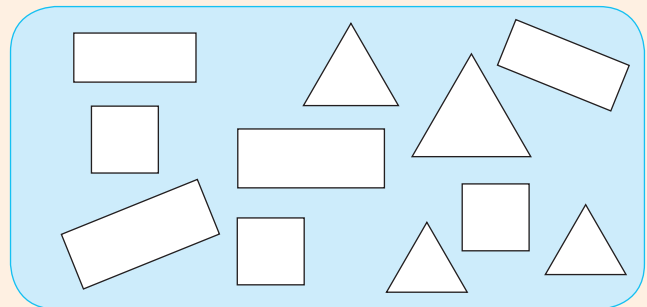
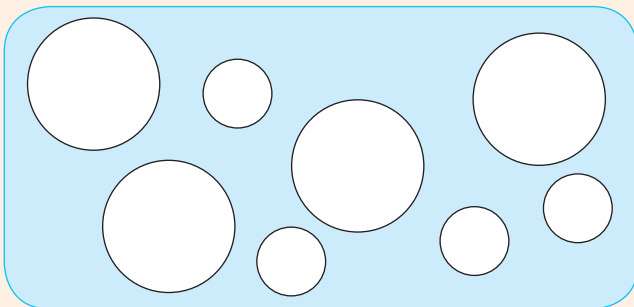
rekithiengele

Khalarani:

- Zwitendeledzi zwiḥulwane nga muvhala mutswuku
- Zwitendeledzi zwiṱuku nga muvhala wa ṭaḁa

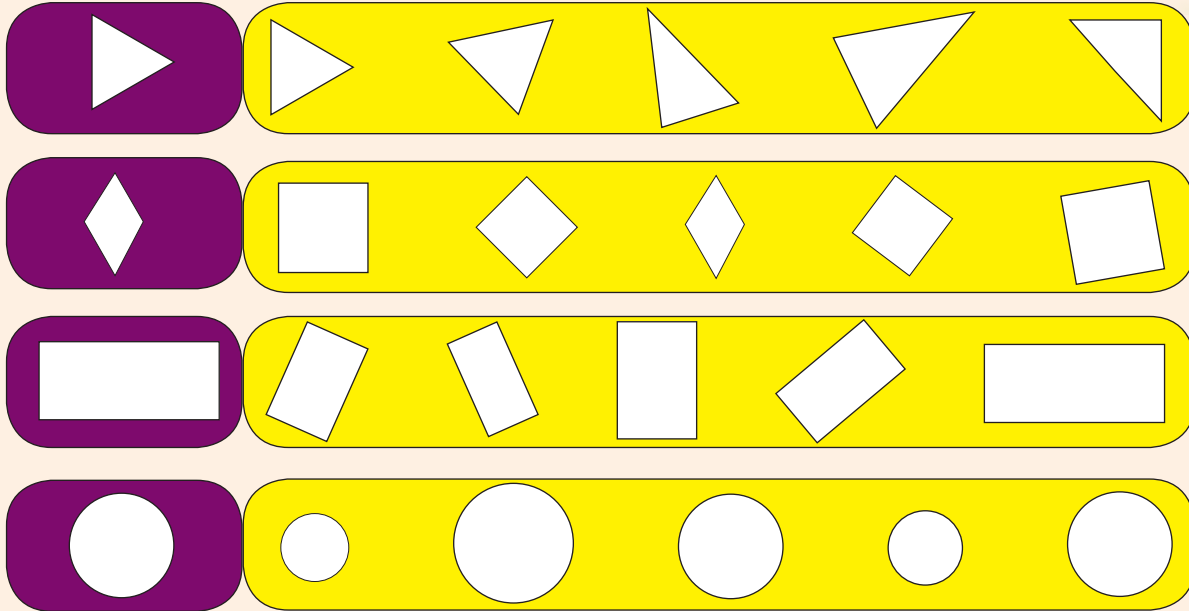
Khalarani:

- Rekithiengele khulwane nga muvhala mutswuku
- Rekithiengele ṭhukhu nga muvhala wa ṭaḁa





Khalarani zwiivhumbeo zwi no yelana na tshivhumbeo tsha u thoma.



Olani tshifanyiso tsha inwi mune ni tshi shumisa zwiikwea, rekithiengele, thiraiengele na zwiitendeledzi.

Kha bammbiri la kale, gerani zwiikwea, rekithiengele, zwiitendeledzi na thiraiengele kha bammbiri la kale ni ite tshifanyiso tshanu ngazwo.



Teacher:

Sign:

Date:

100



Nomboro 0 – 200

Deithi:

Themo ya 4



Ndi nomboro nngana dzo fhambananaho dzine na nga vhumba.

100	40	2
9	50	100
	100	
20	1	70
		8



Fhedzisani zwi tevhelaho.

100 40 9 $100 + 40 + 9 = \square$	100 70 3 $100 + 70 + 3 = \square$	100 20 8 $100 + 20 + 8 = \square$
100 10 7 $100 + 10 + 7 = \square$	100 90 2 $100 + 90 + 2 = \square$	



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

181 =		+		+	
144 =		+		+	
135 =		+		+	
156 =		+		+	
169 =		+		+	



Tanganyani zwi tevhelaho.

$$60 + 4 = \square$$

$$100 + 20 + 3 = \square$$

$$90 + 8 = \square$$

$$100 + 40 + 9 = \square$$

$$40 + 7 = \square$$

$$100 + 70 + 8 = \square$$

$$30 + 6 = \square$$

$$100 + 60 + 1 = \square$$

$$50 + 2 = \square$$

$$100 + 50 + 5 = \square$$

Dzhenisani nomboro dzo tshelaho.

$$70 + \square = 71$$

$$100 + \square + 3 = 153$$

$$30 + \square = 38$$

$$100 + \square + 9 = 169$$

$$60 + \square = 69$$

$$\square + 70 + 8 = 178$$

$$20 + \square = 24$$

$$100 + \square + 1 = 191$$

$$80 + \square = 85$$

$$100 + 50 + \square = 157$$



Itani tshanganyelo dzañu inwi mune ni tshi shumisa madana, mahumi na dziyuniti.

$$\square + \square + \square = \square$$

$$\square + \square + \square = \square$$



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

$$\begin{array}{|c|c|} \hline 5 & 0 \\ \hline \end{array} \quad \begin{array}{|c|} \hline 9 \\ \hline \end{array}$$

$$\begin{array}{|c|c|c|} \hline 1 & 0 & 0 \\ \hline \end{array}$$

$$\begin{array}{|c|c|c|} \hline 1 & 0 & 0 \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline 9 \\ \hline \end{array} \quad \begin{array}{|c|c|} \hline 4 & 0 \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline 4 \\ \hline \end{array} \quad \begin{array}{|c|c|c|} \hline 1 & 0 & 0 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 5 & 0 \\ \hline \end{array}$$

Teacher: _____
Sign: _____
Date: _____

101



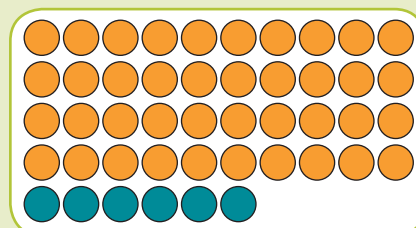
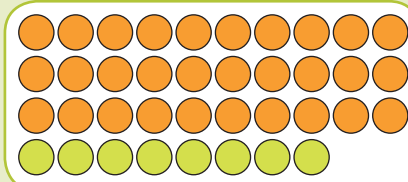
Deithi:

Mutanganyo na Mutuso

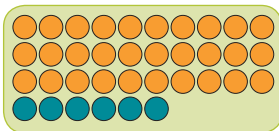
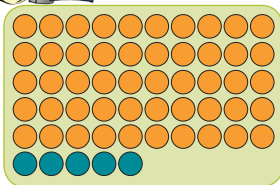


Lavhelesani bodo ya nomboro na malungu. Ambani ngazwo.

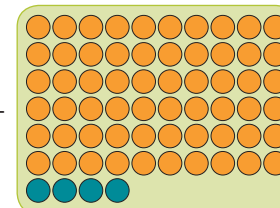
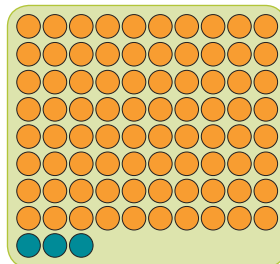
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



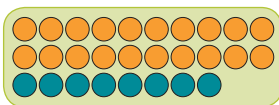
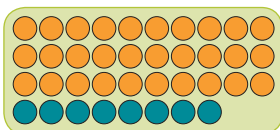
Tanganyani kana ni tuse malungu.



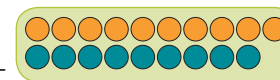
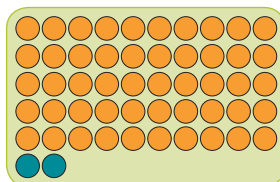
$$\begin{aligned}
 & \boxed{50} \quad \boxed{5} - \boxed{30} \quad \boxed{6} \\
 = & \boxed{40} + \boxed{15} - \boxed{30} - \boxed{6} \\
 = & \boxed{10} + \boxed{9} \\
 = & \boxed{19}
 \end{aligned}$$



$$\begin{aligned}
 & \boxed{} \quad \boxed{} - \boxed{} \quad \boxed{} \\
 = & \boxed{} + \boxed{} - \boxed{} - \boxed{} \\
 = & \boxed{} + \boxed{} \\
 = & \boxed{}
 \end{aligned}$$



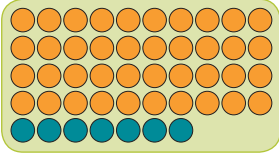
$$\begin{aligned}
 & \boxed{} \quad \boxed{} + \boxed{} \quad \boxed{} \\
 = & \boxed{} + \boxed{} + \boxed{} \\
 = & \boxed{} + \boxed{} + \boxed{} + \boxed{} \\
 = & \boxed{} + \boxed{} \\
 = & \boxed{}
 \end{aligned}$$



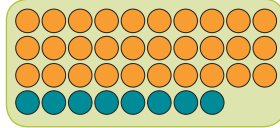
$$\begin{aligned}
 & \boxed{} \quad \boxed{} + \boxed{} \quad \boxed{} \\
 = & \boxed{} + \boxed{} + \boxed{} \\
 = & \boxed{} + \boxed{} \\
 = & \boxed{}
 \end{aligned}$$



Anganyani ni rekanye.

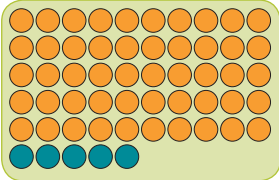


+

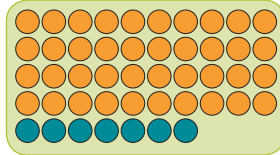


Anganyani

Rekanyani



+



Anganyani

Rekanyani



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?



Teacher: _____
Sign: _____
Date: _____



Mutanganyo na mutuso hafhu

Themo ya 4



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

2 0

8

Tanganyani
nomboro idzo mbili.

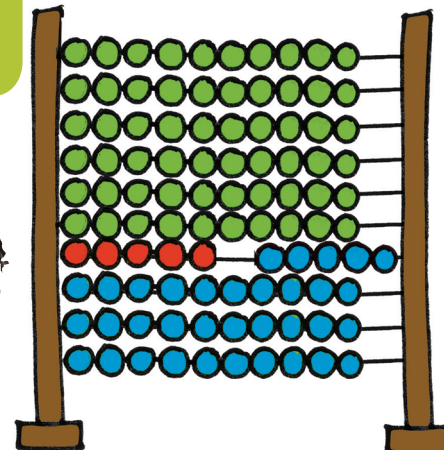
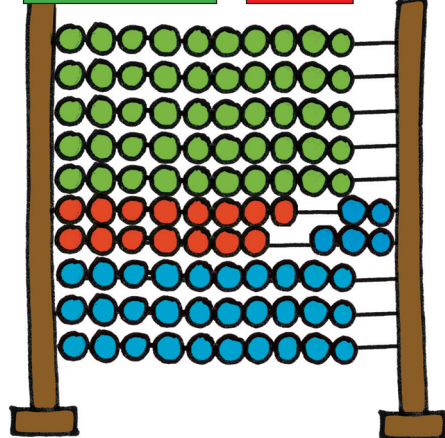
6 0

5

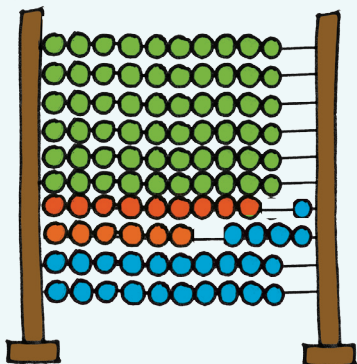
3 0

7

I lingana
na.

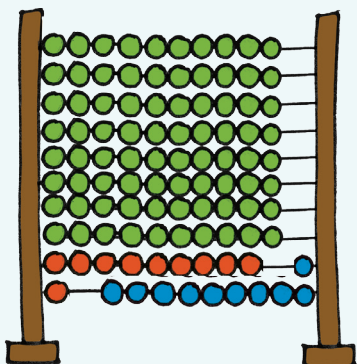


Nwalani mbalo ya u tanganya na u tusa. I rekanyeni.



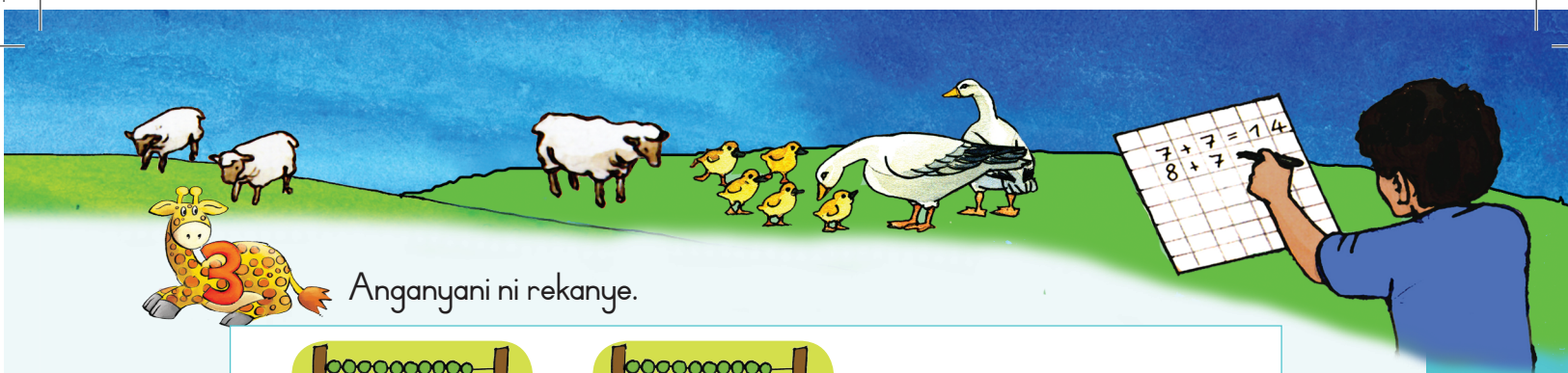
Mbalo ya mutanganyo

Mbalo ya mutuso

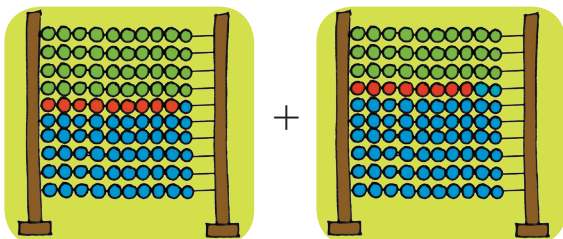


Mbalo ya mutanganyo

Mbalo ya mutuso

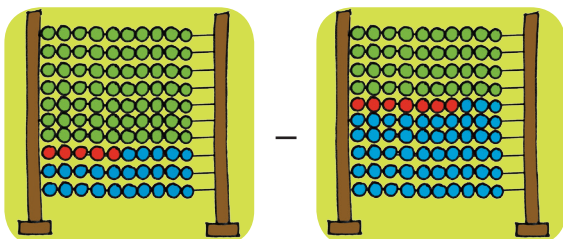


Anganyani ni rekanye.



Anganyani

Rekanyani



Anganyani

Rekanyani



Rekanyani ni tshi shumisa ndila yanu.

$$58 + 35$$

$$34 - 26$$

74 na 19 dzi ita mini?

Bvisani 34 kha 72.



Teacher: _____
Sign: _____
Date: _____

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Zwiwe hafhu nga

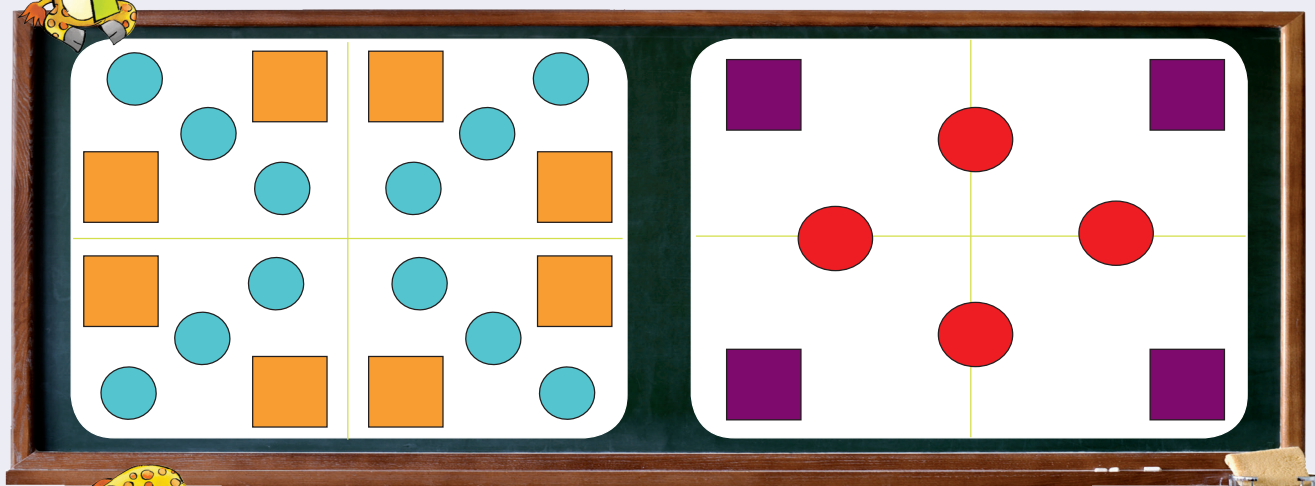
phetheni dza nomboro na zwivhumbeo

Deithi:

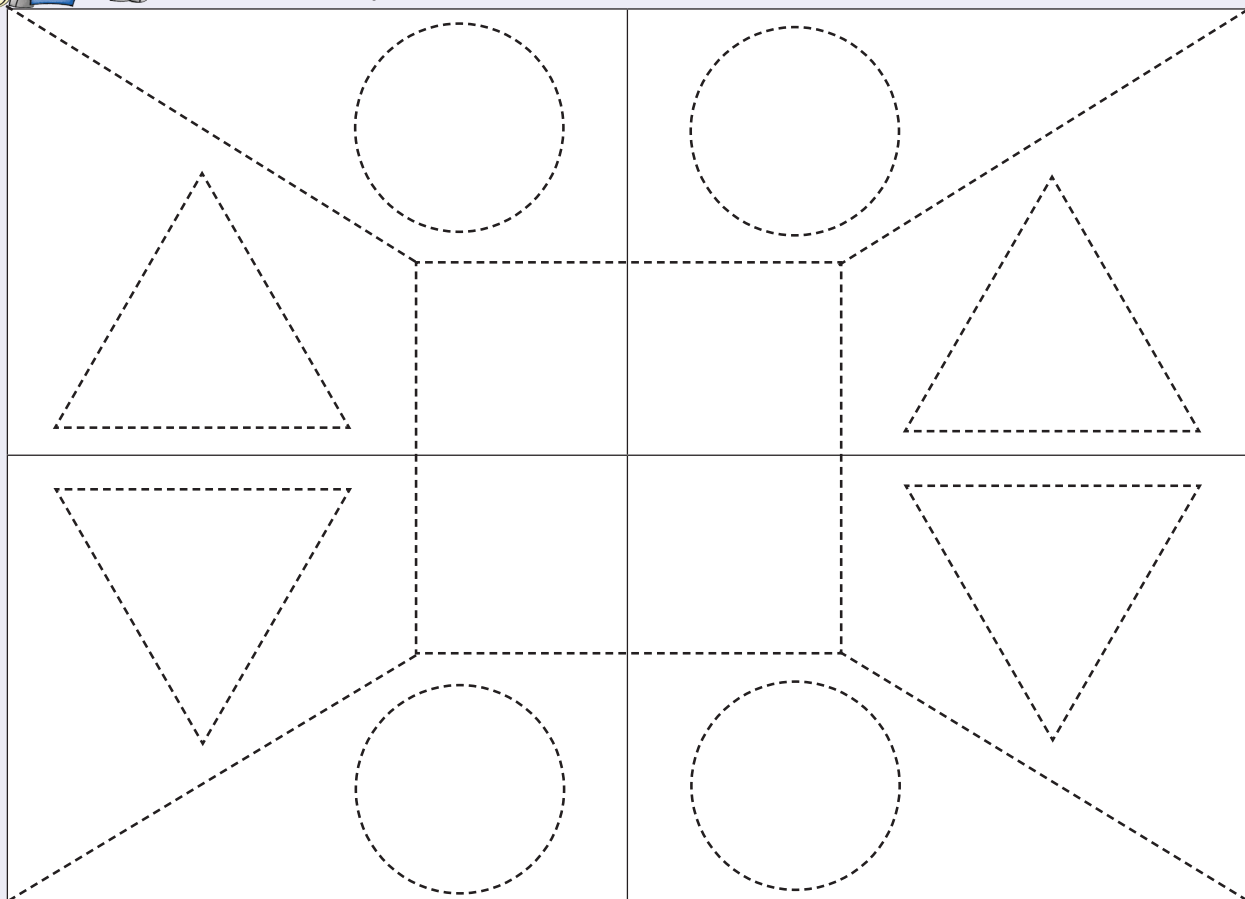
Themo ya 4



Talutshedzani phetheni.

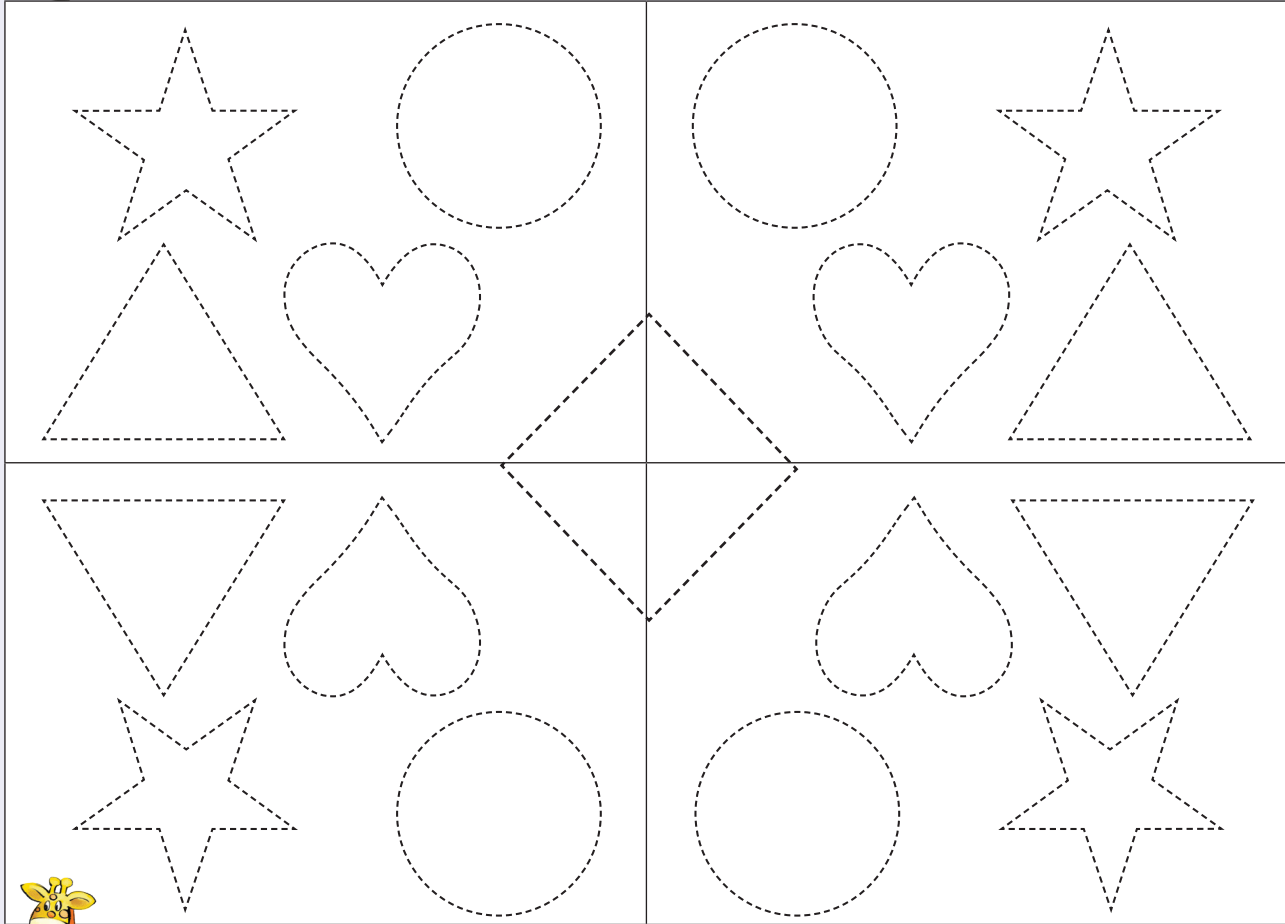


Tevhedzelani phetheni ni i khalare.

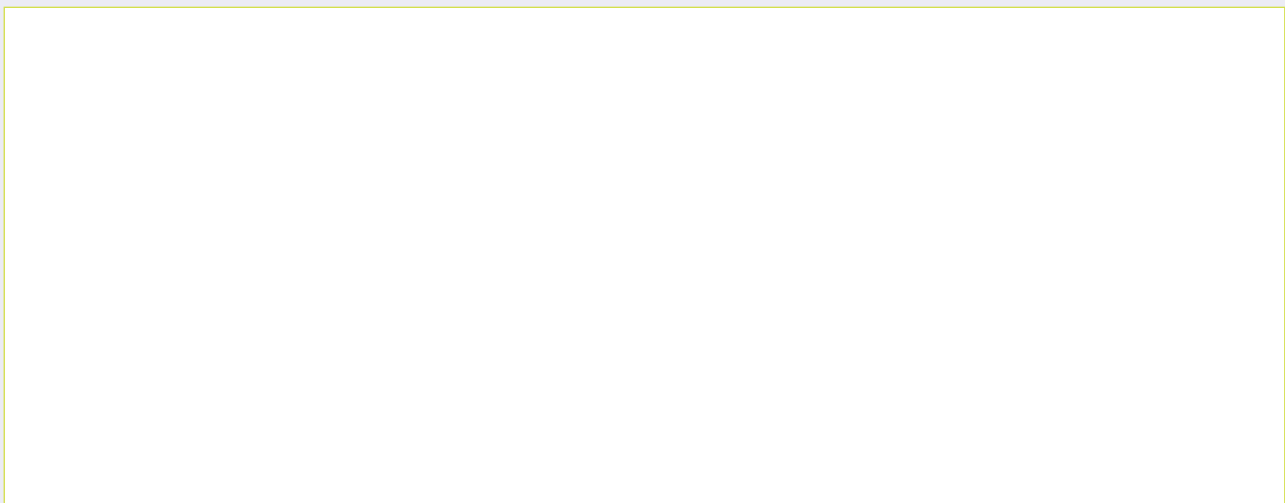




Tevhedzelani phetheni ni i khalare.



Itani phetheni yaṅu inwi muṅe ni tshi shumisa zwivhumbeo.





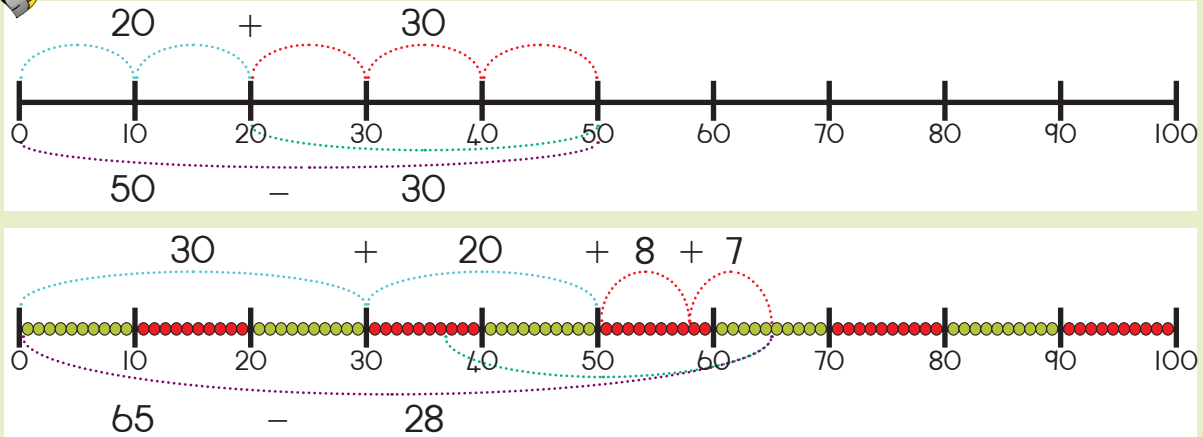
Mutanganyo na Mutuso

Deithi:

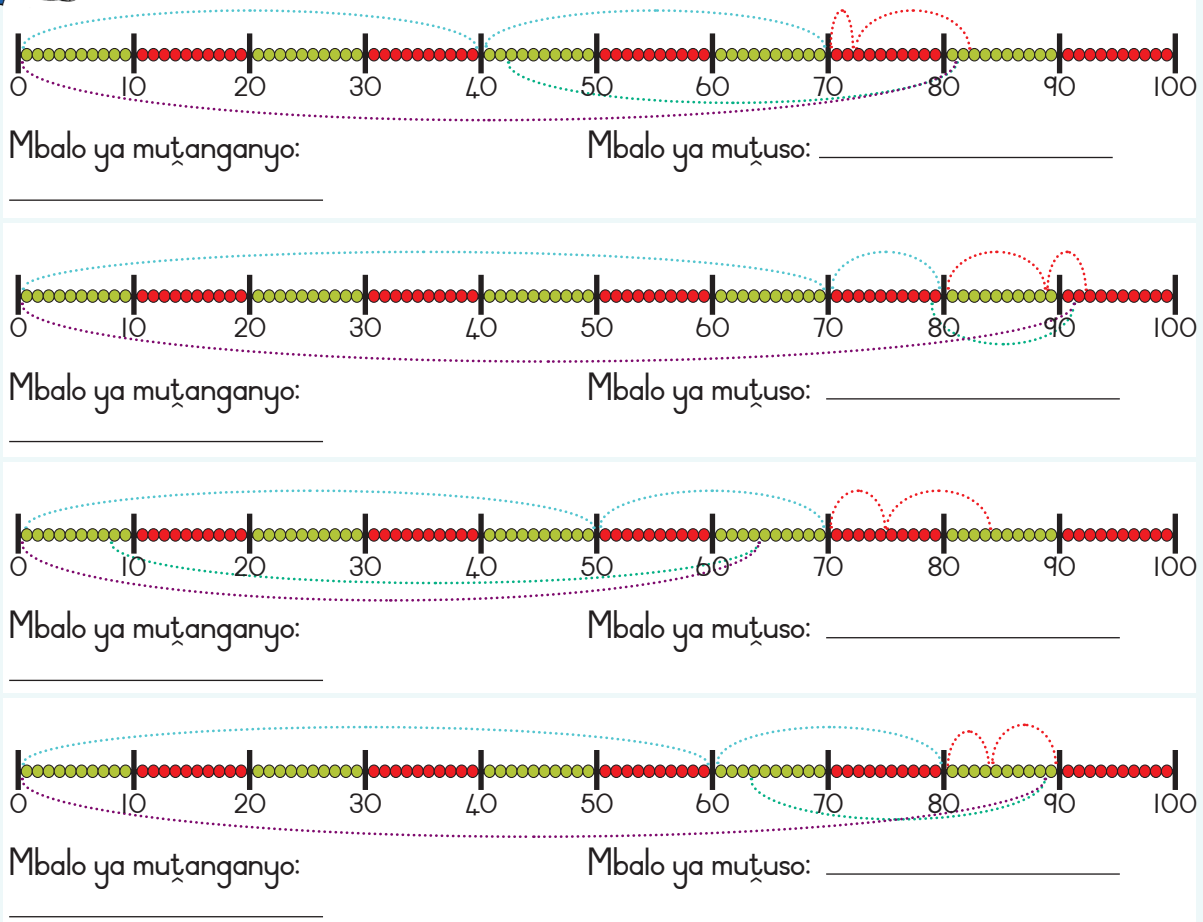
Themo ya 4



Lavhelesani mitalombalo. Ambani ngayo.

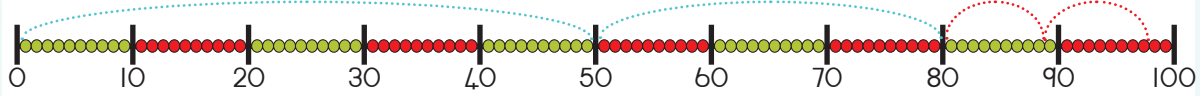


Nwalani mbalo ya mutanganyo na mutuso ni tshi shumisa mitalombalo.



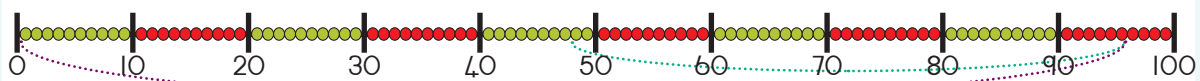


Anganyani ni rekanye tshivhalo tsha malungu.



Anganyani: _____

Rekanyani: _____



Anganyani: _____

Rekanyani: _____



Rekanyani ni tshi shumisa ndila yanu.

$$74 + 18$$

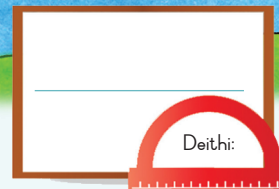
$$72 - 43$$

82 na 9 dzi ita mini?

Bvisani 44 kha 52.



Teacher: _____
Sign: _____
Date: _____



Mutanganyo na mutuso hafhuhafhu

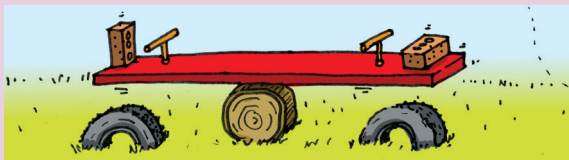
Themo ya 4



Linganyisani masia.

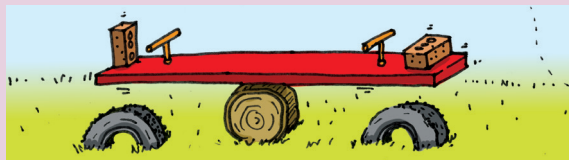
$10 + 4 + 5$

$9 + \square + \square$



$90 - 50$

$\square - 20$



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	

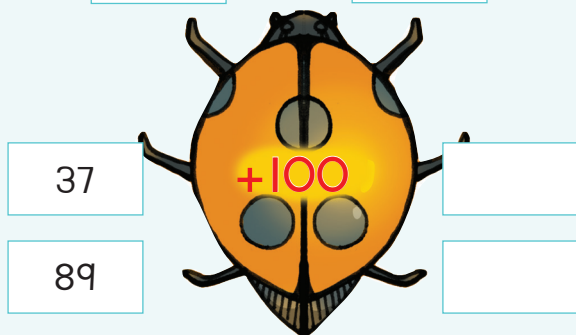
ho ingwa nga 10	
40	50
10	
60	
70	
20	
80	
30	
100	

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

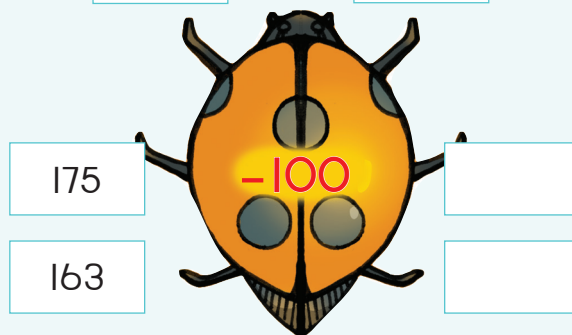


Tharamudzani phetheni.

25



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

$$\begin{array}{r} 90 \\ 100 \\ - \\ 4 \\ \hline 20 \\ 3 \\ + \\ 30 \\ \hline 5 \end{array}$$



Lavhelesani nomboro ni ite mbalo nnzhi dzo waniwaho nga mutanganyo na mutuso dzine phindulo yadzo ya vha yo riwalwa kha bodo, tsumbo: $3 + 4 = 7$.

Mutanganyo ndi mini?

2 6 5 7
4 7 3 8 9

Mutuso ndi mini?

4 9 7
5 8 10
6 2 3



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

$$48 + 36$$

$$85 - 59$$



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 tshitshenari tsha R34. Ndo salelwa nga vhugai?



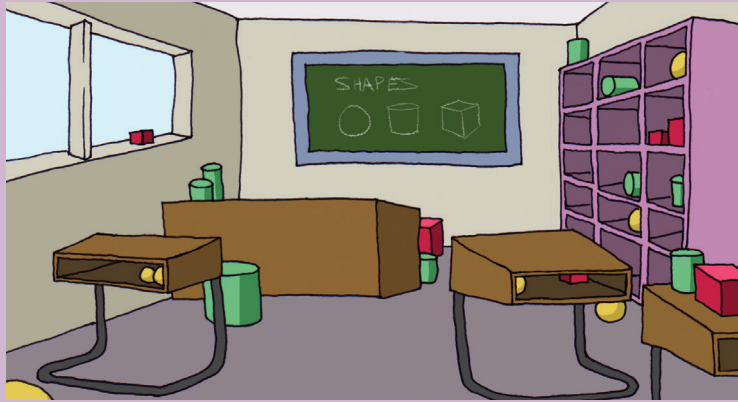
Teacher:
Sign:
Date:



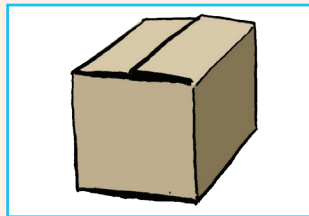
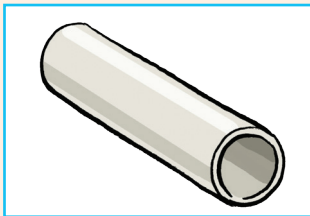
Zwithu zwa 3-D

Themo ya 4

Mabogisi, bola na silinda zwi ngafhi?

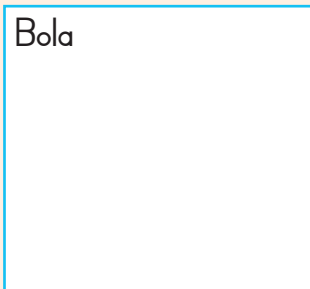


Ambani uri ndi bogisi, bola kana silinda naa.



Wanani zwifanyiso zwa zwithu zwi tevhelaho ni zwi nambatedze hafha.

Bola

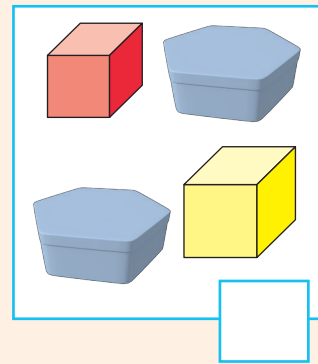
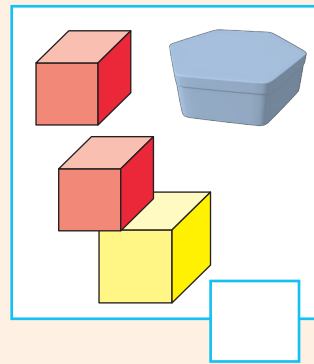
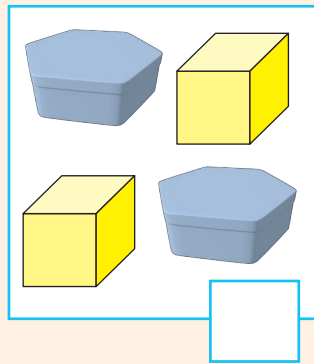
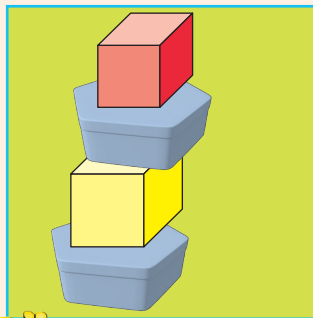
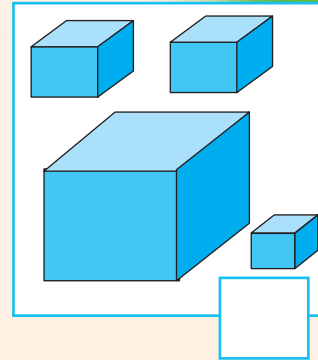
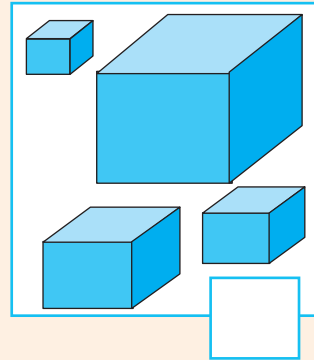
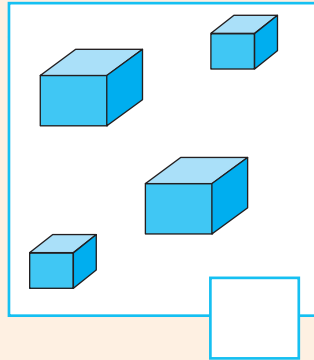
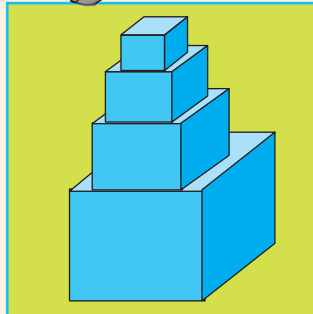


Bogisi

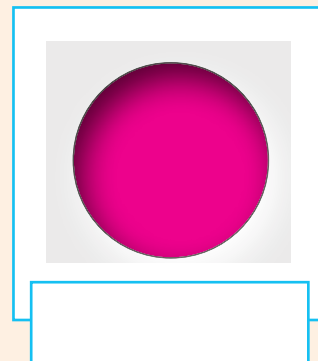
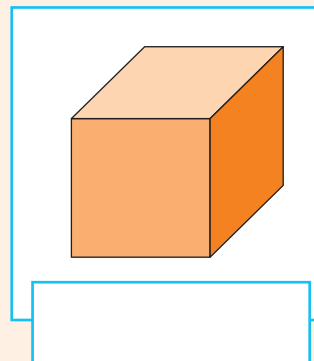
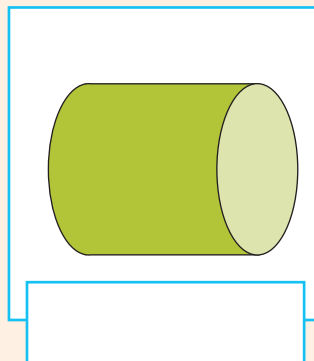
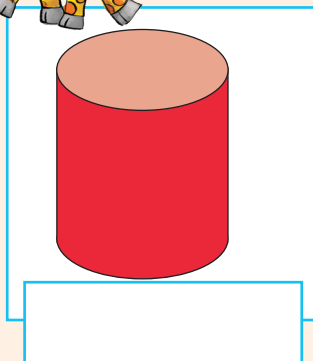


Silinda





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



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

- Silinda
- Bola
- Mabogisi



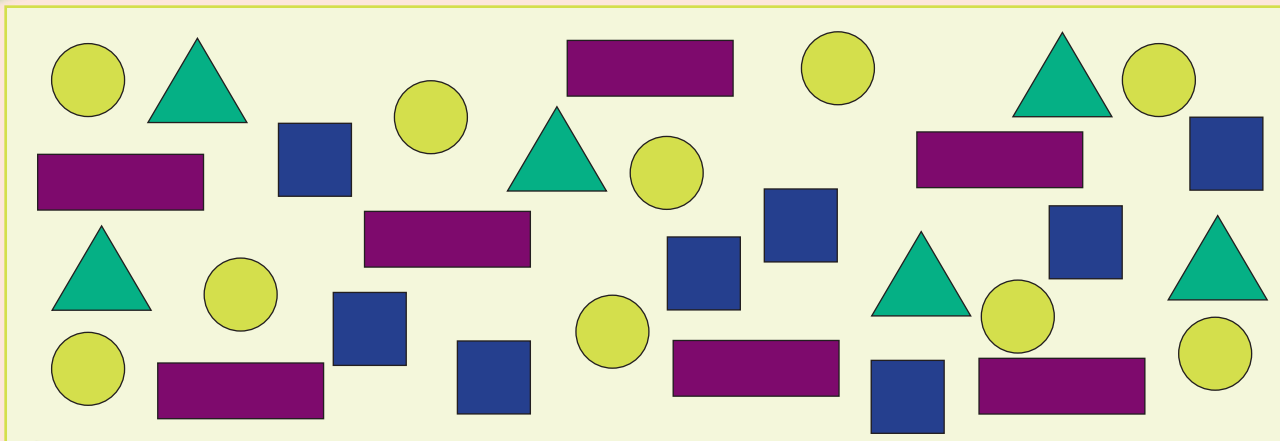
Teacher: _____
Sign: _____
Date: _____

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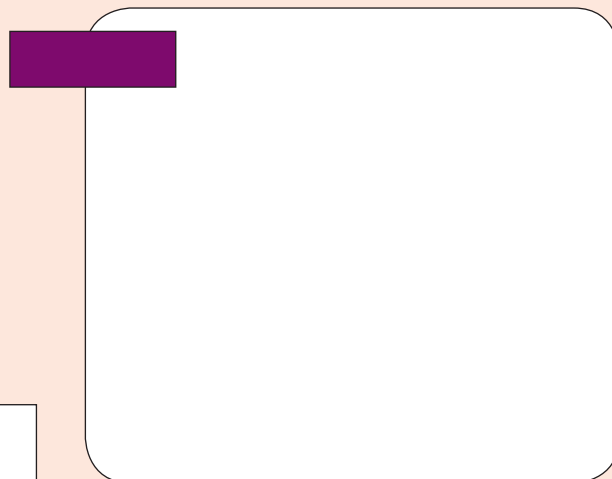
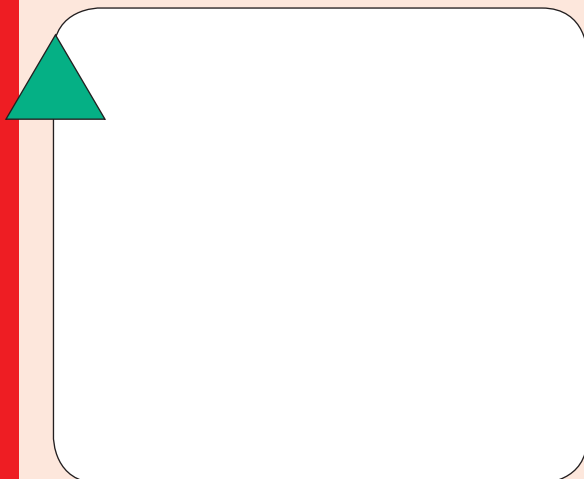
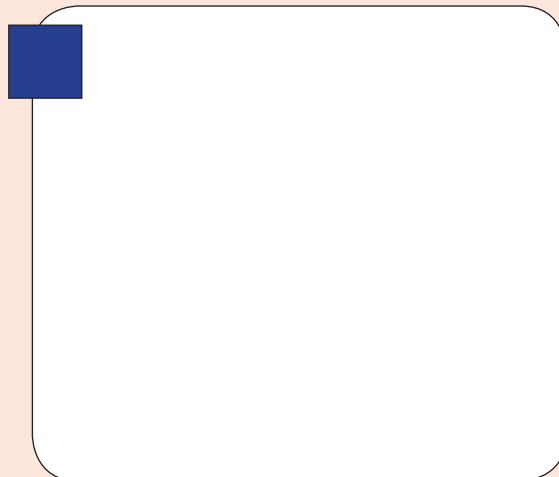
Data hafhuhafhu

Deithi:

Themo ya 4



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





KHII: ○

			
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11 of 13

1. *What is the purpose of this study?*
 2. *What are the research questions or hypotheses?*
 3. *What methods were used to collect data?*
 4. *What results were obtained?*
 5. *What conclusions were drawn from the results?*



Teacher: _____

Sign: _____

Date: _____



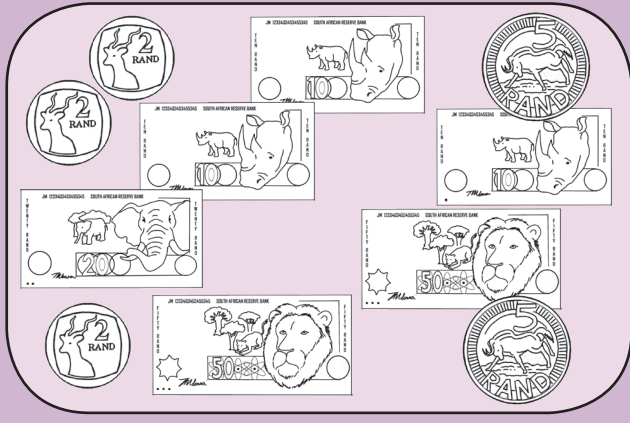
U rekanga tshelede

Deithi:

Themo ya 4

Khalarani khoini dzine dza do ita 95c.

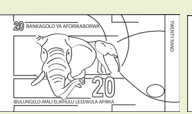
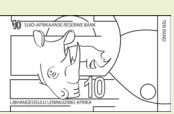
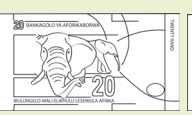
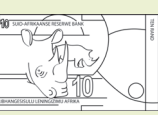
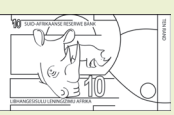
Khalarani tshelede ya mabambiri ine ya do ita R99.

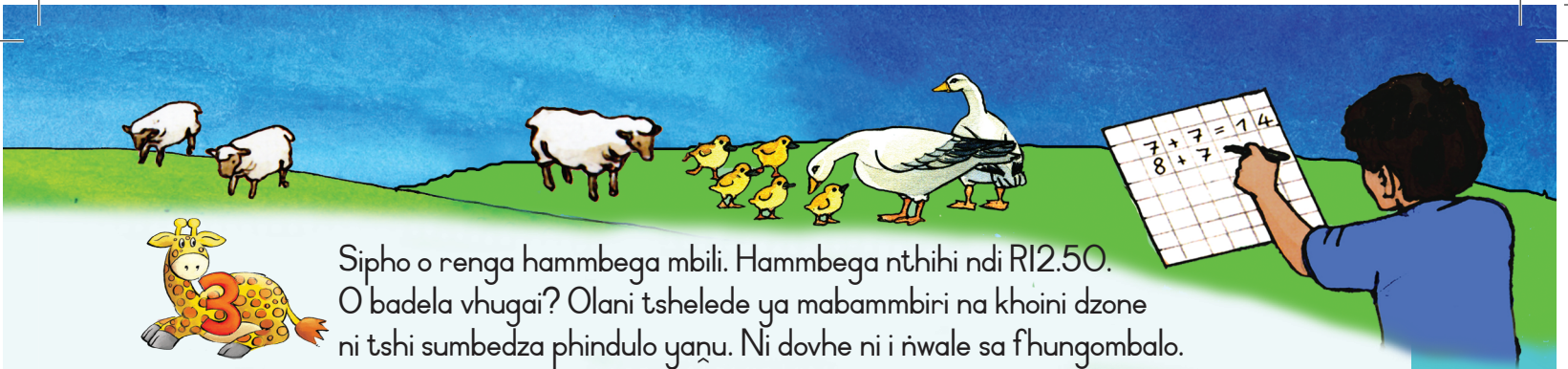


Khalarani khoini dzi no do ni fha? Uyu ndi wone muvango u wotlhe?

		Ee	Hai
75c	     		
85c	     		
90c	     		

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

		Ee	Hai
R87	      		
R75	       		
R94	       		



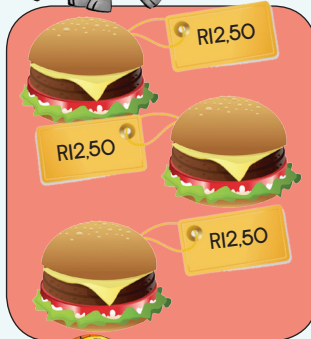
Sipho o renga hambega mbili. Hambega nthihi ndi R12.50. O badela vhugai? Olani tshelede ya mabambiri na khoini dzone ni tshi sumbedza phindulo yanu. Ni dovhe ni i riwale sa fhungombalo.



Fhungombalo:
R12.50 + R12.50 =



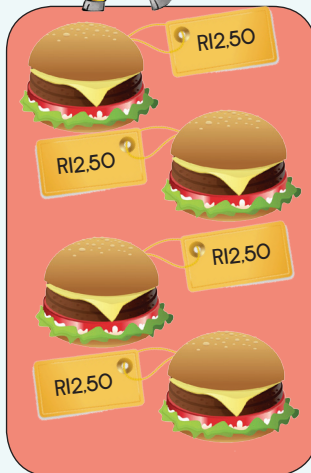
Arali Sipho a nga renga hambega idzi?



Fhungombalo:



Arali Sipho a nga renga hambega nna?



Fhungombalo:



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



Teacher:
Sign:
Date:



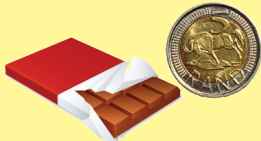
Tandululani mbalo dza tshelede

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



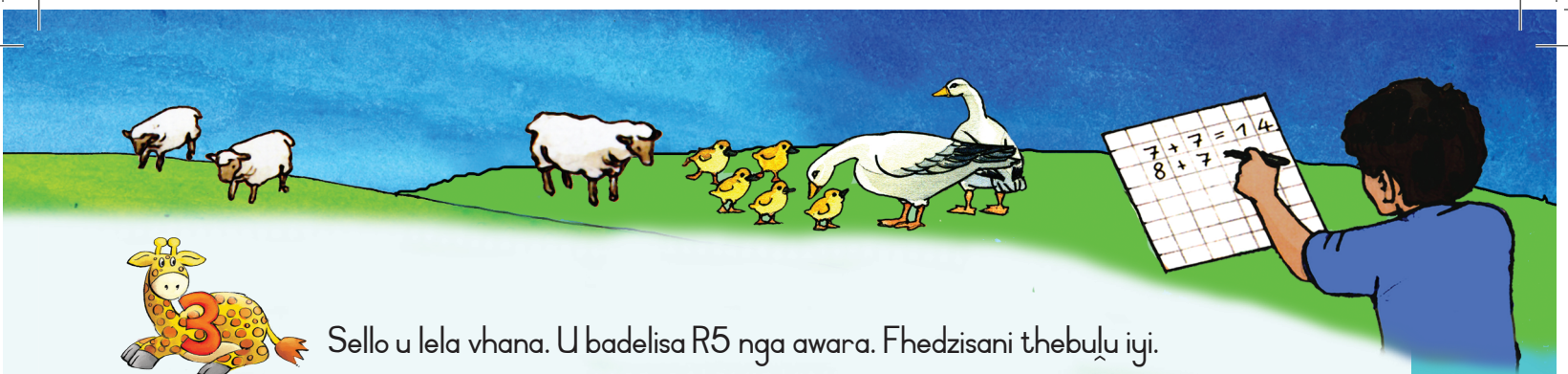
Shumani u rengisa hothidogo nga R4 nthihi. Fhedzisani thebulu ni tshi mu thusa u wana mutengo wa oda khulwane.

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 inwe na inwe 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 toudou renga mafini dza 10. Inwe na inwe i dura R10.
Ni do badela vhugai ni tshi renga mafini dza 1, 2, 3, 4, 5, 6, 7, 8, 9 kana 10?
Zwi sumbedzeni kha thebulu kha bammбири la dubo.



Teacher:

Sign:

Date:

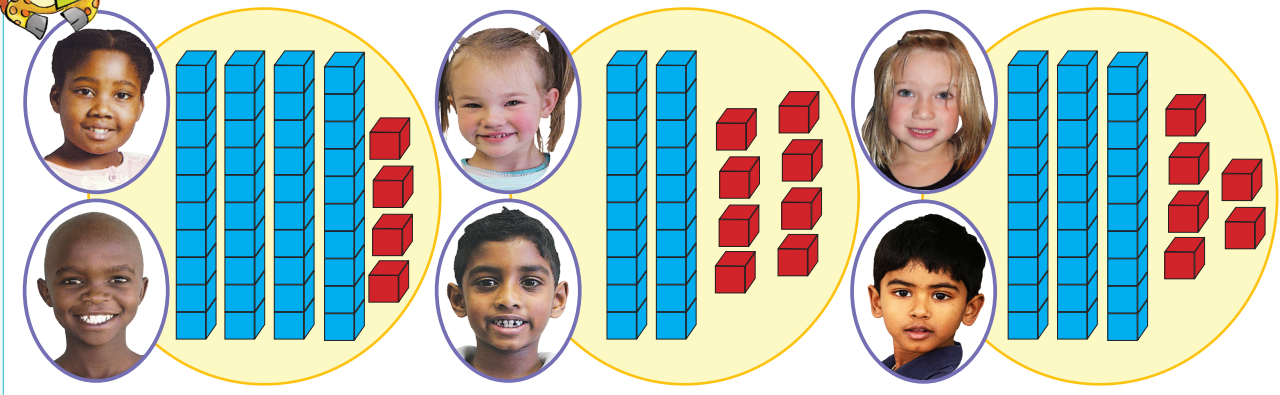


U ita zwigwada na u kovhana

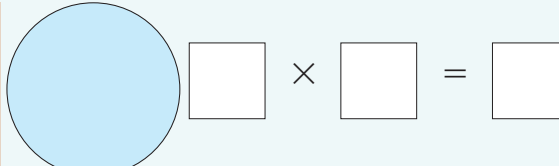
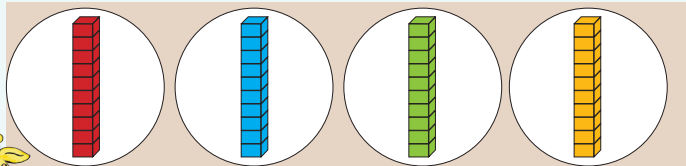
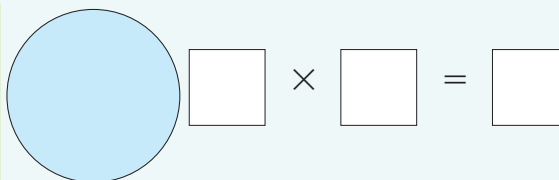
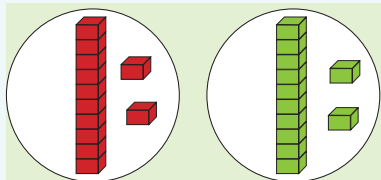
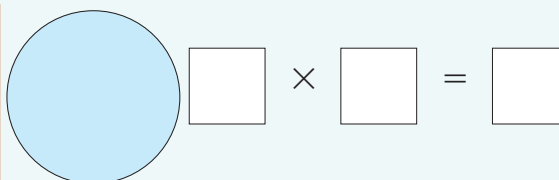
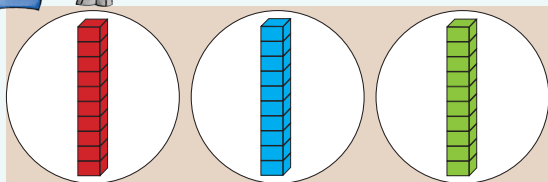
Themo ya 4



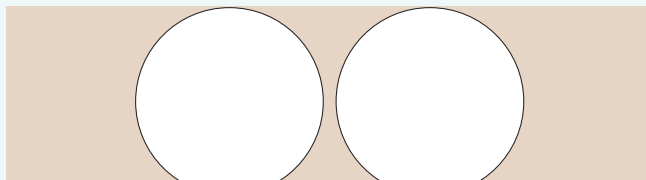
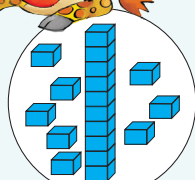
Hu na zwiḅuloko zwingana kha tshitendeledzi tshiṅwe na tshiṅwe? Zwi kovheni vhukati ha vhana.



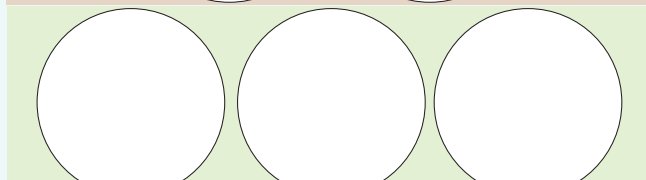
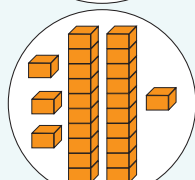
Ndi zwiḅuloko zwingana zwi re kha tshitendeledzi tshiṅwe na tshiṅwe? Nwalani tḥanganyelo i re kha tshitendeledzi tsha lutombo.



Kovhani zwiḅuloko kha zwiṅengeledzi.



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



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



Olani zwi tevhelaho. Nwalani mbalo ya tshiŋwe na tshiŋwe.

zwigwada zwa 3 zwa 2



Mbalo ya u ṭanganyisa:



Mbalo ya u andisa:

zwigwada zwa 4 zwa 10



Mbalo ya u ṭanganyisa:



Mbalo ya u andisa:

Kovhani zwivhaleli zwa 12 kha vha 4.



Mbalo ya u ṭusa:



Mbalo ya u kovha:

Kovhani zwivhaleli zwa 12 kha vha 3



Mbalo ya u ṭusa:



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 _____



davhulu kovhani



Teacher: _____
Sign: _____
Date: _____

11

12

13

14

15

16

17

18

19

20

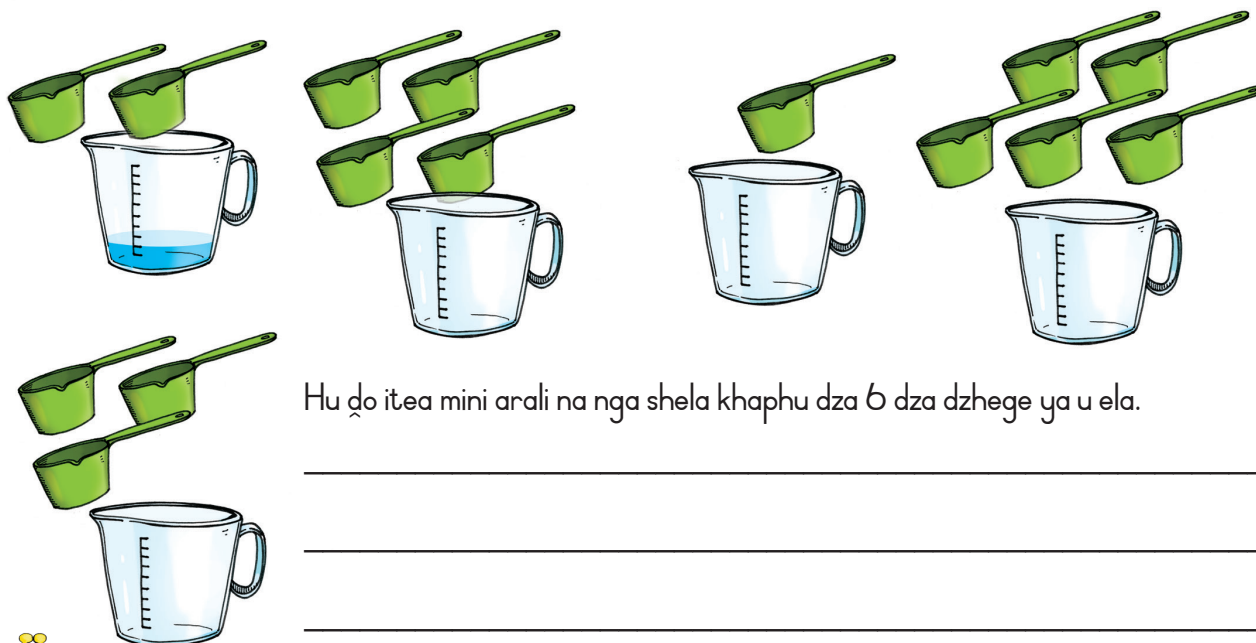
Khaphasithi dzinwe hafhu

Deithi:

Lavhelesani zwifanyiso. Vhana vha khou ita mini?



Lebula dzi do dadza dzhege u swika ngafhi? Khalarani.



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



Ni nga dadza nga khaphu nngana dza madi?

dzhege dza 2 _____

dzhege dza 3 _____

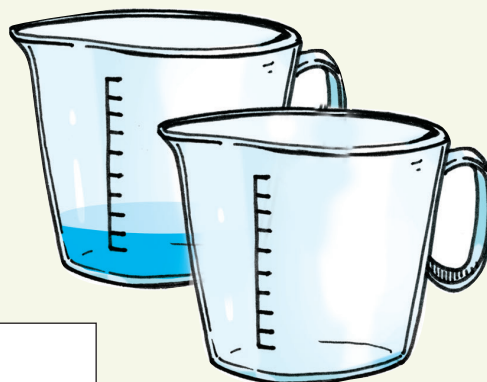
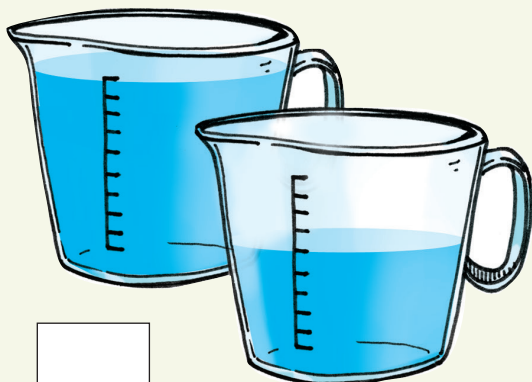
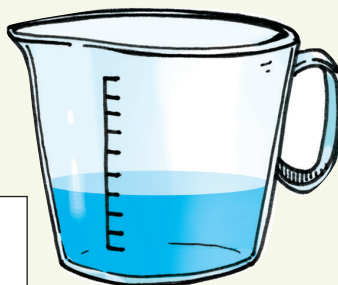
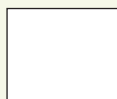
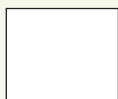
dzhege dza 4 _____

dzhege dza 5 _____



Ndi lebula nngana hafhu dzine na do toda 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 zwiṭuku.



Teacher:

Sign:

Date:

11

12

13

14

15

16

17

18

19

20

112

Phetheni dza nomboro

Deithi:

Themo ya 4



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

5

3

8

1

9

7

6

2

4

61

66

64

69

62

68

67

63

65

136

132

140

138

131

135

133

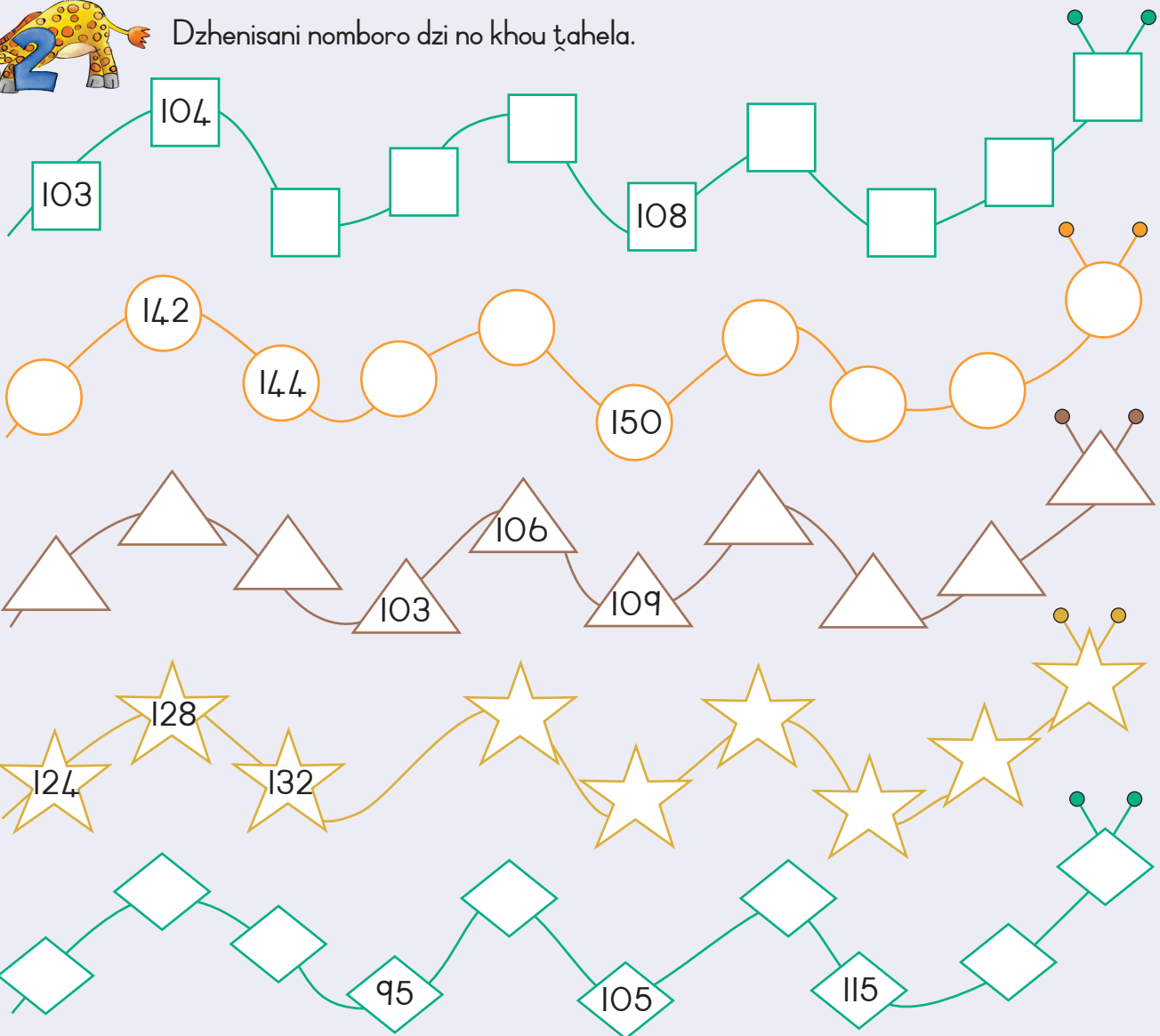
137

134

139



Dzhenisani nomboro dzi no khou ṭahela.





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, ____, ____, ____, ____, ____

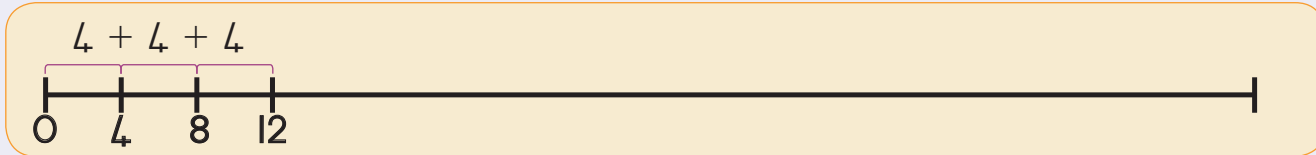
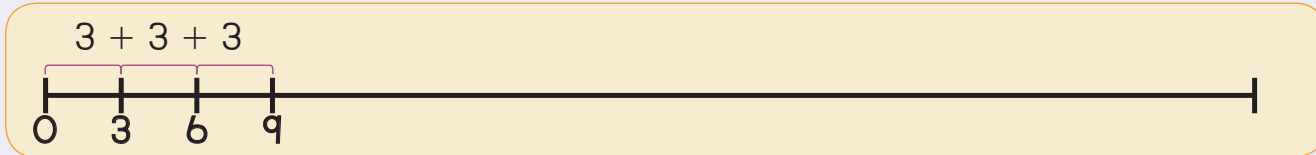
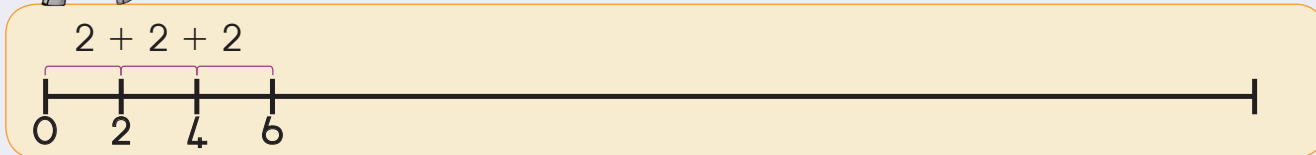
160, 155, 150, ____, ____, ____, ____, ____

115, 118, 121, ____, ____, ____, ____, ____

200, 190, 180, ____, ____, ____, ____, ____



Fhedzisani mutalombalo.



Ri vhala nga mini?

4	20
8	
16	12

2	14
8	12
10	4 6

5	15
25	
30	10 20

3	21
15	6
18	9 12

Teacher: _____
Sign: _____
Date: _____

Muandiso wa 3

Deithi:

Themo ya 4

Phukha dzothe dzi na milenzhe ya 4.

Phukha dzothe dzi na ndevhe 2.

mbevha dza 3
dza mabofu

zwivhingwi zwa 3 zwiṭuku



zwiguluzwana zwa 3

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


Lavhelesani tshifanyiso ni fhedzise zwi tevhelaho.



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

Tshivhalo
tsha mbevha Milenzhe nga
tshipuka

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

Tshivhalo
tsha mbevha Milenzhe nga
tshipuka

Fhedzisani zwi tevhelaho:

3	6	9							
---	---	---	--	--	--	--	--	--	--

30	27	24							
----	----	----	--	--	--	--	--	--	--



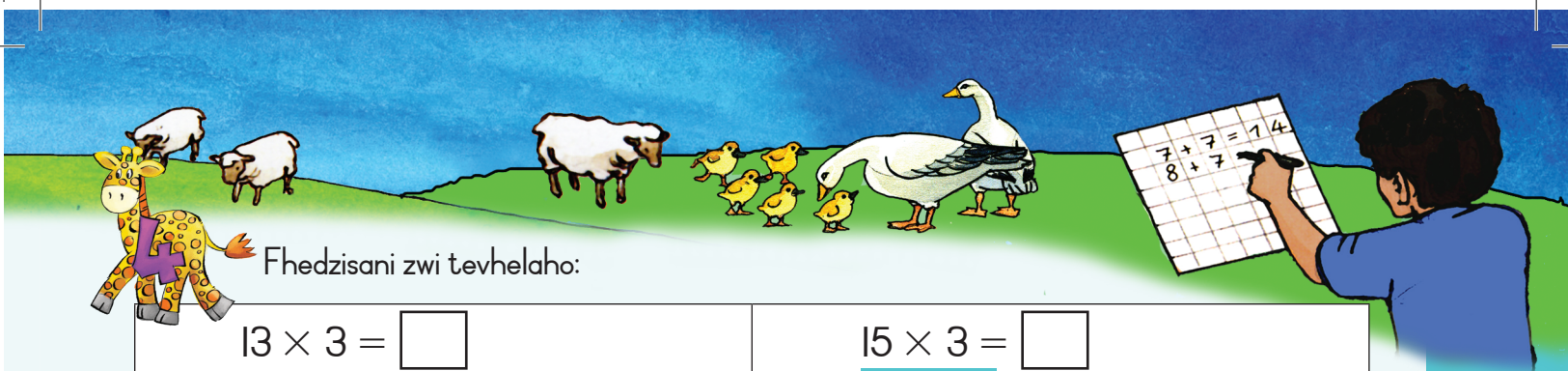
Fhedzisani zwi tevhelaho:

$$5 \times \text{🍏} \text{🍏} \text{🍏} = \text{maapula a } \boxed{}$$

$$4 \times \text{🍌} \text{🍌} \text{🍌} = \text{miomva ya } \boxed{}$$

$$6 \times \text{🍌} \text{🍌} \text{🍌} = \text{miomva ya } \boxed{}$$

$$7 \times \text{🍏} \text{🍏} \text{🍏} = \text{maapula a } \boxed{}$$



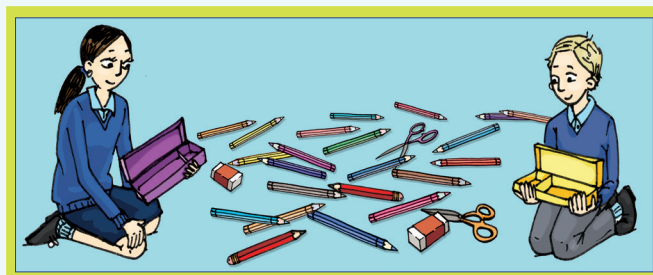
Fhedzisani zwi tevhelaho:

$$\begin{aligned}
 13 \times 3 &= \square \\
 10 &+ 3 \times 3 \\
 &= 10 + 3 \times 3 \\
 &= 10 \times 3 + 3 \times 3 \\
 &= 30 + 9 \\
 &= 39
 \end{aligned}$$

$$\begin{aligned}
 15 \times 3 &= \square \\
 10 &+ 5 \times 3 \\
 &= \square + \square \times \square \\
 &= \square \times \square + \square \times \square \\
 &= \square + \square \\
 &= \square
 \end{aligned}$$



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



Fhedzisani zwi tevhelaho:

Kovhelani tshokoleithi iyi vhana vha 2 nga u edana.

Muṅwe na muṅwe u wana

Kovhelani maṭegere a 15 vhana vha 3 nga u edana.

Muṅwe na muṅwe u wana



Olani tshifanyiso ni tshi sumbedza phindulo dzaṅu.

Kovhelani thofi dza 9 vhana vha 3 nga u edana.

Muṅwe na muṅwe u wana

Kovhelani vhana vha 3 kharayoni dza 16. Hu ḁo vha na kharayoni dzi no ḁo sala?

Muṅwe na muṅwe u wana

Teacher: _____
Sign: _____
Date: _____



Muandiso wo vanganaho

Deithi:

Themo ya 4

Lavhelesani zwi tevhelaho. Ni vhona mini?

$$5 + 5 + 5 = 15$$



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



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

$$3 \times 5 = 15$$

$$5 \times 3 = 15$$

$$\text{zwigwada zwa 3 zwa 5 ndi 15}$$



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 $\begin{array}{cccc} \times & \times & \times & \times \\ \times & \times & \times & \times \\ \times & \times & \times & \times \end{array}$	$3 \times 4 = 12$ $4 \times 3 = 12$
		$4 + 4 + 4$		
				$6 \times 5 = 30$ $5 \times 6 = 30$
2, 4, 6, 8, 10, 12				



Zwi nga dzhia tshif hinga tshingaf hani u ita zwi tevhelaho?

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

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



Fhindulani mbudziso dzi tevhelaho.

t _h anu n _g a	
6 kavhili (davhulu)	
6 andisa nga 5	
2 andisa nga 4	
8 andisa nga 2	



Dzhenisani nomboro vhudzuloni ha pfarelavhudzulo.

zwigwada zwa 3 zwa 2 ndi 6 kana 3 andisa nga 2 ndi 6 kana $3 \times 2 =$	
zwigwada zwa 4 zwa 3 ndi 12 kana 4 andisa nga 3 ndi 12 kana $4 \times 3 =$	
zwigwada zwa 6 zwa 3 ndi 18 kana 6 andisa nga 3 ndi 18 kana $6 \times$ = 18	

Mbalo (thaidzo): Hu na zwivhaleli zwiraru kha rou. Hu na rou dza 4. Hu na zwivhaleli zwingana zwo t_hangana zwo t_he? Olani tshifanyiso ni tshi sumbedza phindulo yan_u.



Teacher:

Sign:

Date:

Muandiso muniwe hafhu

Deithi:

Themo ya 4



Sedzani tsumbo.

Muandiso ndi
mini?

$4 \times 2 = 8$

$3 \times 4 = 12$

$4 \times 5 = 20$

$2 \times 6 = 12$

2 andisa nga 7 ndi vhugai?

25 - 10 - 2013

$1 \times 5 = 5$

$2 \times 5 = 10$

$3 \times 5 = 15$

$4 \times 5 = 20$

$5 \times 5 = 25$

$6 \times 5 = 30$

$7 \times 5 = 35$

$8 \times 5 = 40$

$9 \times 5 = 45$

$10 \times 5 = 50$

Fhedzisani:

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

Shumisani ndila yangu kha u tandulula izwi.

12×2

16×2

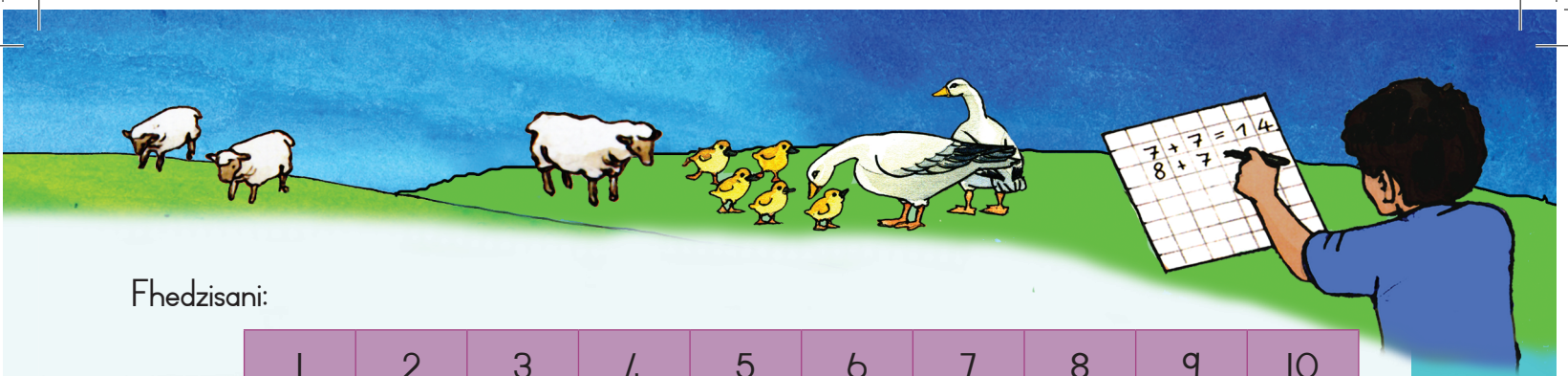
Fhedzisani

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

Shumisani ndila yangu 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.

11×4	14×4
---------------	---------------

Fhedzisani:

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

Shumisani ndila yanu kha u tandulula izwi.

12×5	16×5
---------------	---------------



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

Zwikedzini zwa 4?

Zwikedzini zwa 5?

Zwikedzini zwa 3?

Zwikedzini zwa 2?

Teacher:
Sign:
Date:

116a

Maḍuvha a vhege

Deithi:

Themo ya 4

Dzudzanyani maḍere a maḍuvha a Vhege.

uvhiliḽavh

dahaSwon

mbuluwoMusu

uraruḽavh

hunaḽav

ivhelaMug

huṭanuḽav



Dzhenisani maḍuvha a no khou ṭahela.

Musumbuluwo

ḽavhuraru

Swondaha

ḽavhuvhili



Nwalani maḍuvha a vhege.

Swondaha



Ndi maḍuvha mangana u bva:

Musumbuluwo u swika ḽavhuna? _____

ḽavhuvhili u swika ḽavhuṭanu? _____

ḽavhuna u swika Mugivhela? _____

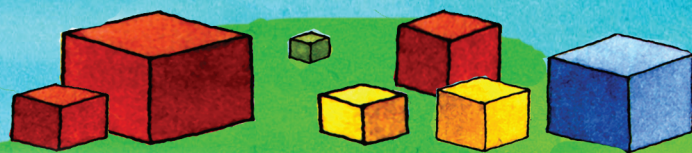


Hu na maḍuvha mangana vhukati ha:

ḽavhuvhili na Mugivhela? _____

ḽavhuraru na ḽavhuṭanu? _____

ḽavhuna na Swondaha? _____



Minwedzi ya riwaha



Dzudzanyani maledere a minwedzi ya riwaha.

andoPh

huhulu

Fulwana

medziTshi

raLa

avhusikuNyend

nguleTha

lwiFu

muhweThafa

unthuleShund

bamailam

bvumedziKhu



Hu na maduvha mangana kha riwedzi muwe na muwe?

Phando 31	Luhulu	Thafamuhwe	Lambamai
Shundunthule	Fulwi	Fulwana	Thangule
Khubvumedzi	Tshimedzi	Lara	Nyendavhusiku



Dzhenisani riwedzi wo teaho.

Ni elelwe uri ndi dzina la riwedzi, zwino li tea u thoma nga lederedanzi

Ndi ufhio u no rangela Thafamuhwe? _____

Ndi ufhio u no rangela Fulwi? _____



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

Khubvumedzi? _____

Duvha lanu la mabebo? _____



Teacher:

Sign:

Date:

116b

Maḍuvha, vhege ya na minwedzi

Deithi:

Themo ya 4

Nyendavhusiku 2015

Swondaha	Musumbuluwo	Ḳavhuhili	Ḳavhuraru	Ḳavhuna	Ḳavhutanu	Mugivhela
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Lavhelesani khalenda ni fḥindule zwi tevhelaho:

Ḳuvha Ḳa u thoma nga Nyendavhusiku ndi Ḳa vhungana? _____

Ḳuvha Ḳa vhufumithanu nga Nyendavhusiku ndi Ḳa vhungana? _____

Ḳuvha Ḳa vhufumbiliina nga Nyendavhusiku ndi Ḳa vhungana? _____

Ḳuvha Ḳa vhufumimbili nga Nyendavhusiku ndi Ḳa vhungana? _____

Fḥindulani mbudziso idzi:

Hu na maḍuvha mangana nga Nyendavhusiku? _____

Hu na Vhege ya nngana nga Nyendavhusiku? _____

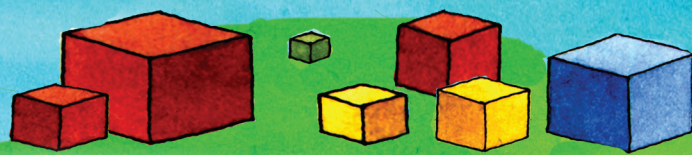
Hu na maḍuvha mangana kha Vhege ya? _____

Zwikolo zwi khou vala lini nga Nyendavhusiku? _____

Hu bvelela mini nga Ḳa 25 Ḳa Nyendavhusiku? _____

Hu bvelela mini nga Ḳa 31 Ḳa Nyendavhusiku? _____

Ndi ḍuvha lifḥio li no tevhelela Ḳa 31 Ḳa Nyendavhusiku? _____



Khalarani nomboro dzothhe dza odo nga muvhala wa t̃aḁa kha khalenda.

Ni vhona mini? _____

Khalarani ivini dzothhe nga muvhala mutswuku kha khalenda.

Ni vhona mini? _____



Fhedzisani khalenda. Dzhenisani riwaha na deithi.

Lambamai _____

Swondaha	Musumbuluwo	Lavhuvhili	Lavhuraru	Lavhuna	Lavhut̃anu	Mugivhela
						
						
						
						
						



Ndi datumu ifho nga d̃uvha lifhio?

	Deithi	D̃uvha
		
		
		
		
		
		
		



Ndi maḁuvha mangana u bva kha:

	u ya kha:		
	u ya kha:		
	u ya kha:		
	u ya kha:		



Teacher:
Sign:
Date:

Zwiwe hafhu nga phetheni dza nomboro

Deithi:

Themo ya 4

Talutshedzani phetheni dzi re kha bodo inwe na inwe.

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150

151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200



Fhedzisani phetheni.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200



Tangedzelani ya **odo** kana **ivini**.

4	19	21
odo ivini	odo ivini	odo ivini
26	20	18
odo ivini	odo ivini	odo ivini



Dzhenisani nomboro yo t̃ahelaho ni tshi fhedzisa 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, 11, 78, 21, 11, 78, 21, 11

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



Dzhenisani nomboro yo t̃ahelaho ni tshi fhedzisa 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,

11, 76, 11, 76, 11, 76, 11, 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:

11 12 13 14 15 16 17 18 19 20



Deithi:

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

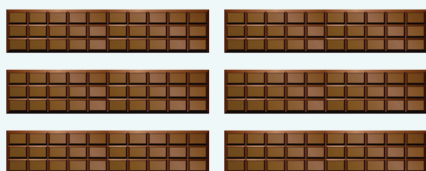
Themo ya 4



Kovhekanani baphathi la tshokoleithi ni ambe uri nwana muñwe na muñwe u do wana zwibuloko zwingana.



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.

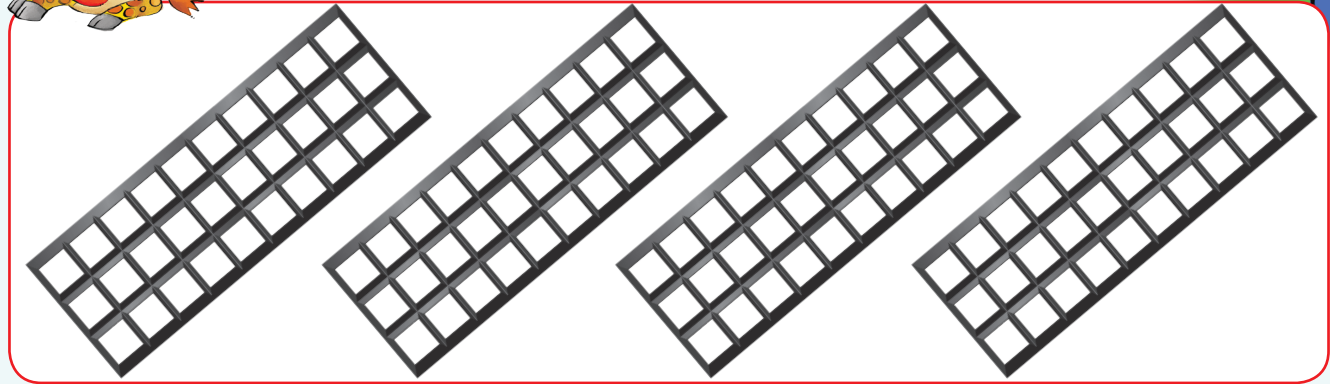
Nwana muñwe na muñwe u wana tshararu tsha
tshokoleithi.

Sumbedzani phindulo yanu nga u ola tshifanyiso
afho fhasi.

Nwana muñwe na muñwe u wana _____ tsha
kekhe.



Khalarani kota nthihi ya tshokoleithi yothe kha mabaphathi aya.



Ndi zwibuloko zwingana zwa tshokoleithi zwi no ita kota? _____

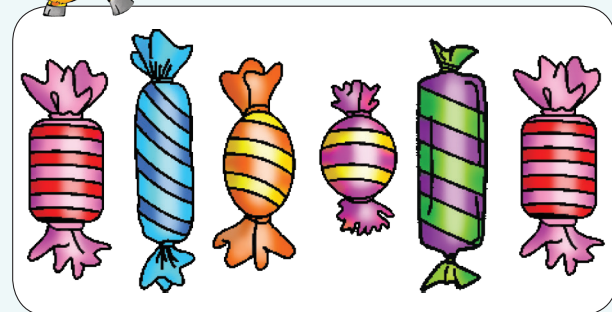
Khalarani tshathanu tsha tshokoleithi dzothe kha mabaphathi aya. _____



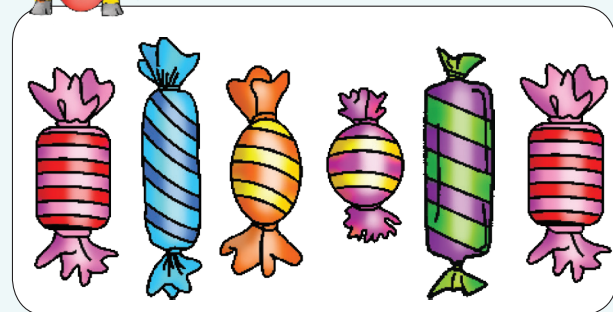
Sumbedzani hafu ya zwi tevhelaho.



Sumbedzani tshararu tsha malegere.



Sumbedzani tsharathi tsha malegere.



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



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20



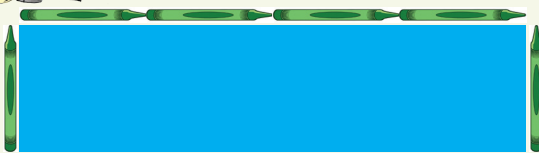
Ndi sia lĩf hio ĩa rekithiengele ĩne ĩa vha ĩi pfufhisa? ĩi lapfusa?



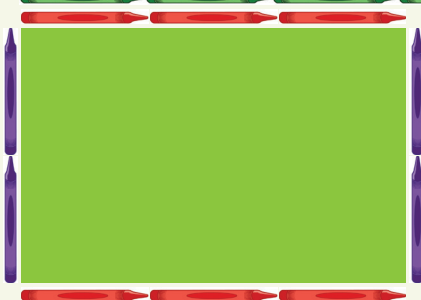
Sia ĩlapfu ndi khirayoni dza _____.
Sia ĩpfufhi ndi khirayoni dza _____.



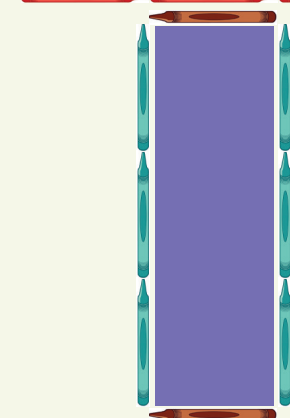
Fhindulani zwi tevhelaho.



Sia ĩlapfu ndi khirayoni dza _____.
Sia ĩpfufhi ndi khirayoni dza _____.



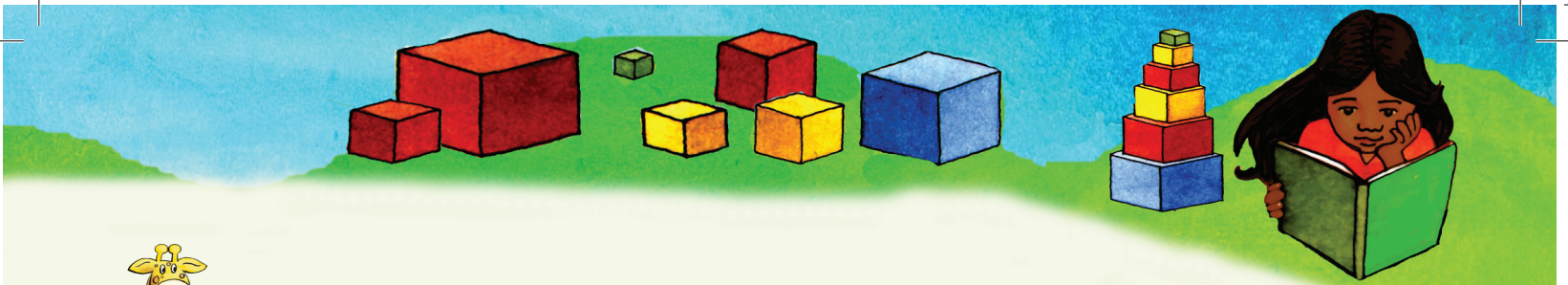
Sia ĩlapfu ndi khirayoni dza _____.
Sia ĩpfufhi ndi khirayoni dza _____.



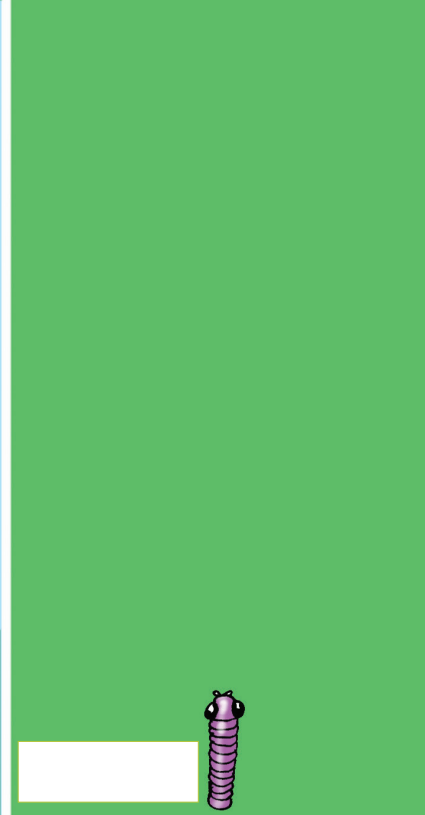
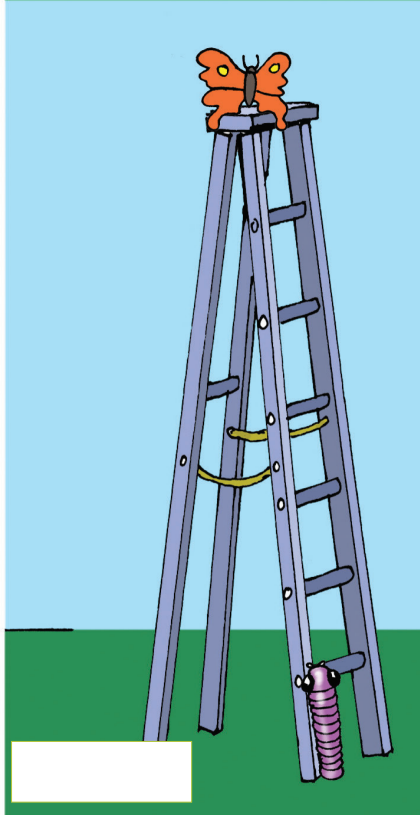
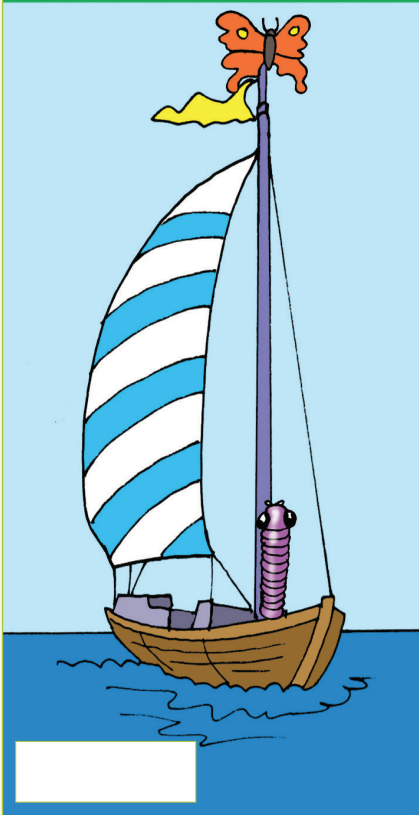
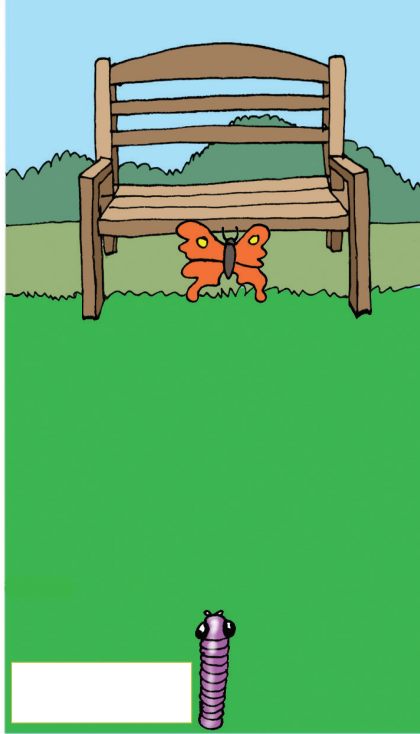
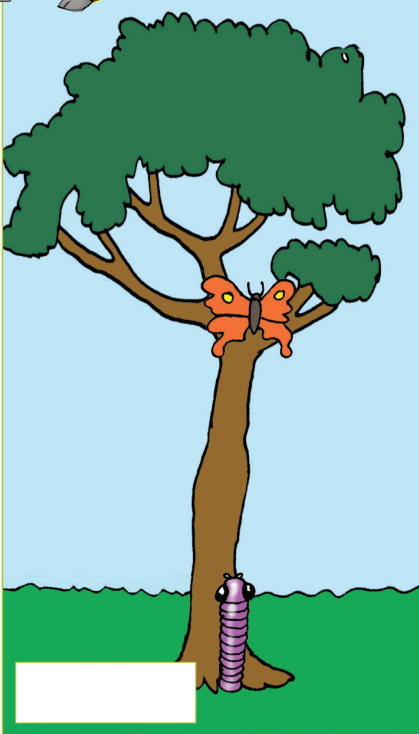
Sia ĩlapfu ndi khirayoni dza _____.
Sia ĩpfufhi ndi khirayoni dza _____.



Sia ĩlapfu ndi khirayoni dza _____.
Sia ĩpfufhi ndi khirayoni dza _____.



Arali zwivhungu zwa nga bebana, zwi do dzhia zwivhungu zwingana u swika kha tshisusu?



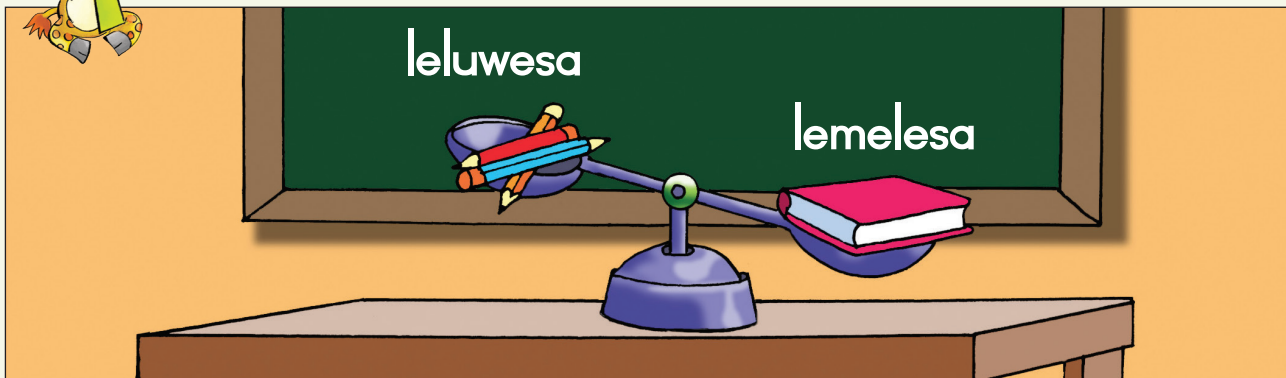
Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

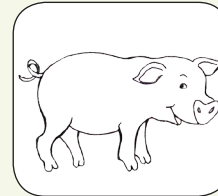
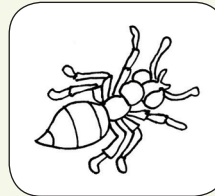
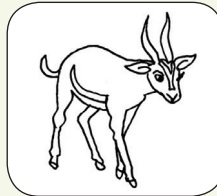
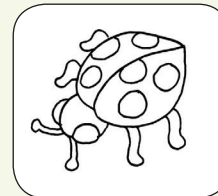
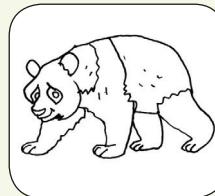
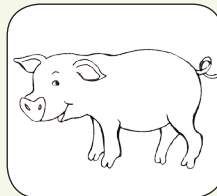
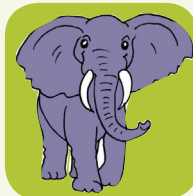
U lemelesa na u leluwesa

Deithi:

U lemelesa na u leluwesa?



Khālarani tshifanyiso kana zwifanyiso zwi no sumbedza zwithu zwi no lemela u fhira zwi re kha tshibuloko tshidala.



Khālarani tshifanyiso kana zwifanyiso zwi no sumbedza zwithu zwi no leluwa u fhira zwi re kha tshibuloko tshidala.

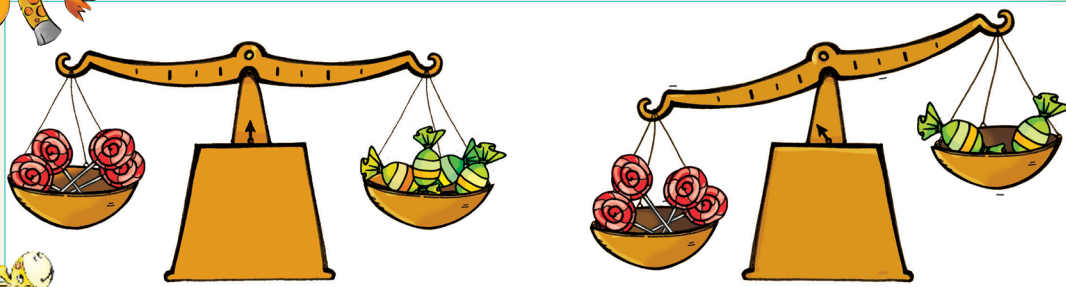
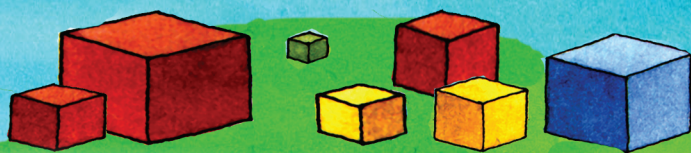


Lavhelesani tshifanyiso. Wanani zwifanyiso zwa 2 zwa zwithu zwine zwa leluwa. Zwi nambatedzeni haf ha.





Bulani uri zwikalondinganyiso zwi a lingana naa kana hai.



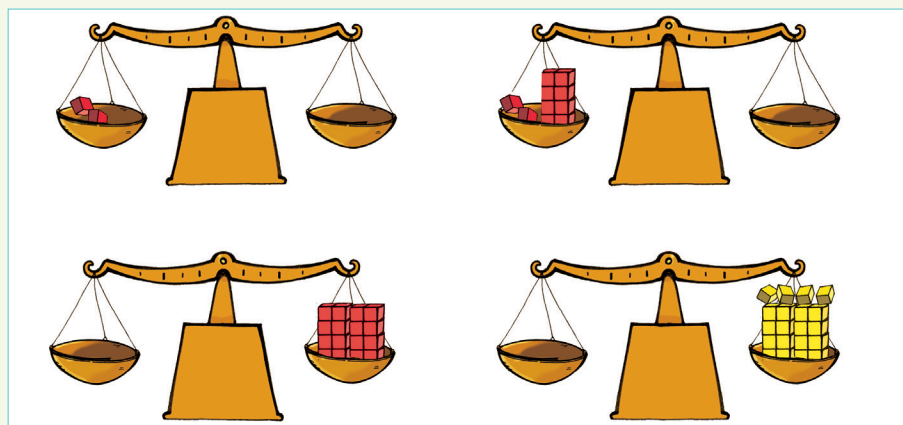
Itani uri zwikalondinganyiso zwi lingane. Itani nyolo kha zwikalo zwi si na tshithu.



Olani tshifanyiso tsha uri zwikalondinganyiso zwi vhe zwone.



Engedzani zwibuloko uri zwikalo zwi lingane  =  



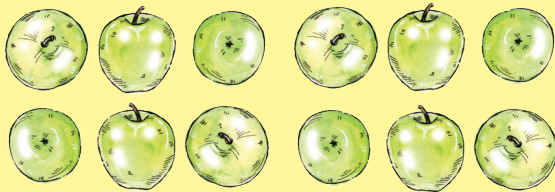
Teacher: _____
Sign: _____
Date: _____



Deithi:

Themo ya 4

Kovhelani khonani tharu maapula aya.



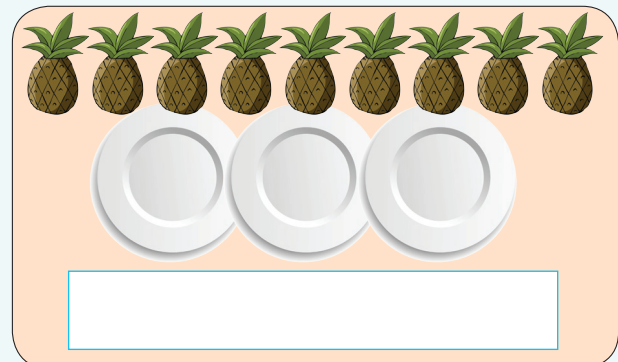
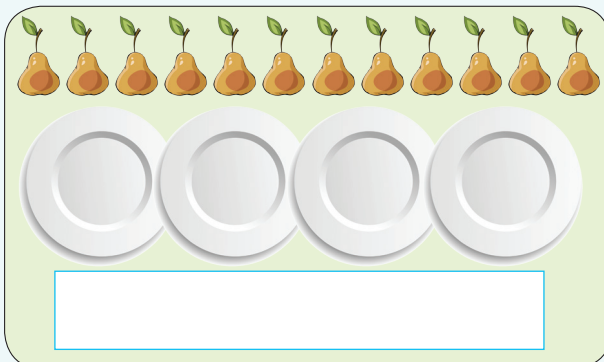
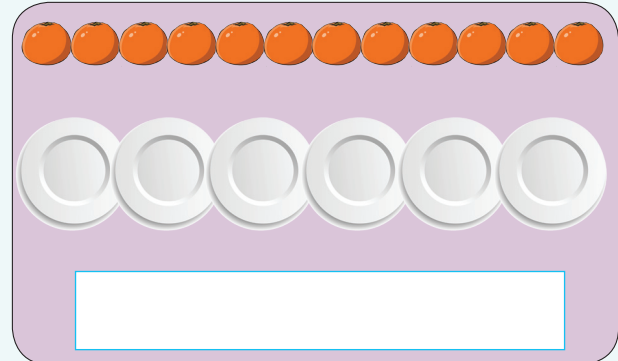
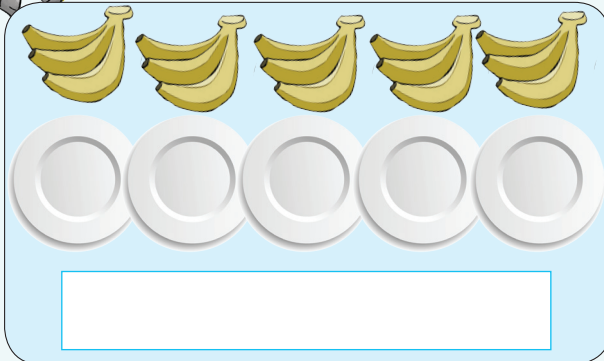
Muñwe na muñwe u wana maapula mangana?

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

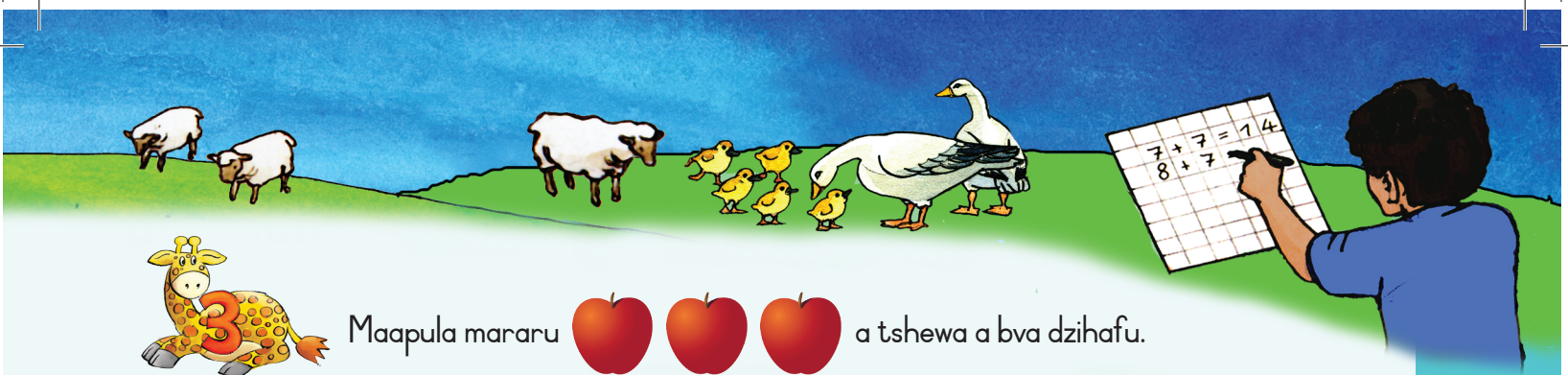


Lavhelesani tsumbo i re afho ntha ni fhedzise zwi tevhelaho.

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



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

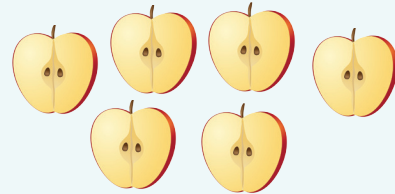


Maapula mararu



a tshewa a bva dzihafu.

Ndi vhana vhangana vhane muñwe na muñwe wavho
a do wana hafu? _____

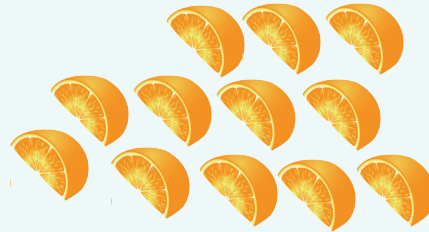


Maswiri manā



a tshewa a bva zwipida zwa tshararu.

Ndi vhana vhangana vhane muñwe na muñwe wavho
a do wana tshararu? _____



Mabvani mavhili



a tshewa a bva zwipida zwa tsharathi.



Ndi vhana vhangana vhane muñwe na muñwe wavho
do wana tsharathi? _____



Mugudisi wa netibolo vha nea mutambi muñwe na muñwe
swiri. Hu na vhatambi vha 14. Vha fanela u vha vhe na
maswiri mangana?



Teacher: _____
Sign: _____
Date: _____

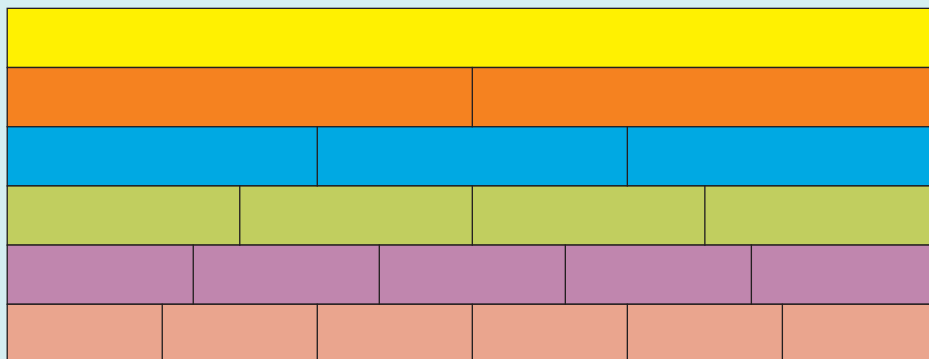


Furakhisheni

Deithi:

Themo ya 4

Lubanda luñwe na luñwe lu amba mini? Maipfi a re kha tsha monde a nga ni thusa.



tshararu

tshathanu

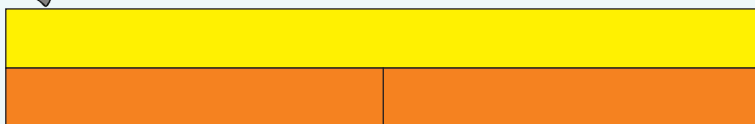
hafu

tsharathi

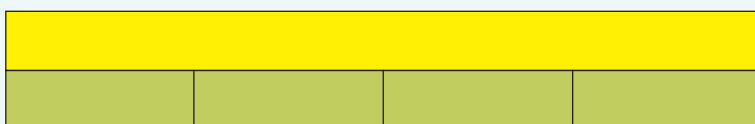
kota



Fhedzisani zwi tevhelaho.



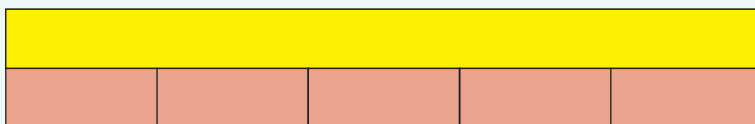
Hafu dza 2 dzi fana na _____ yothe.



Kota dza 4 dzi fana na _____ yothe.



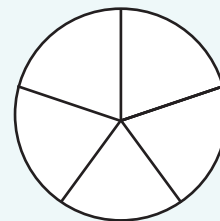
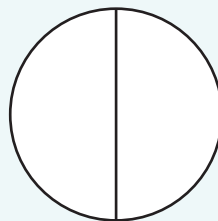
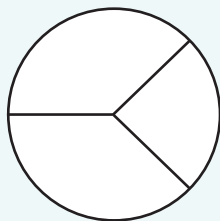
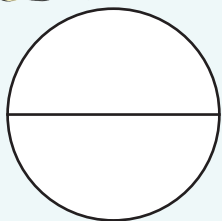
Zwararu zwa 3 zwi fana na _____ yothe.



Zwathanu zwa 5 zwi fana na _____ yothe.

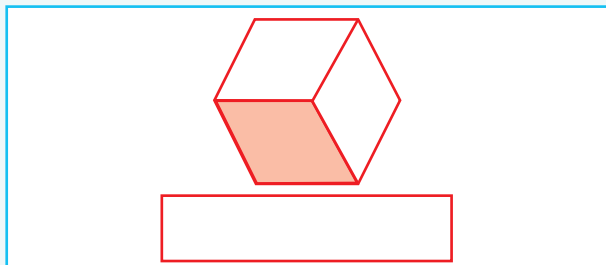
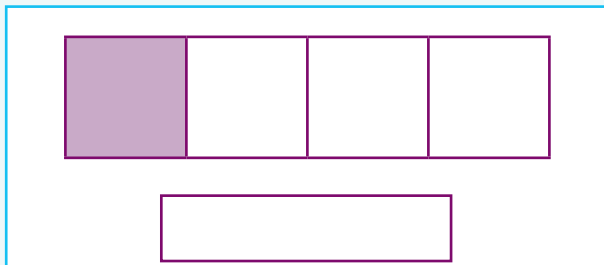
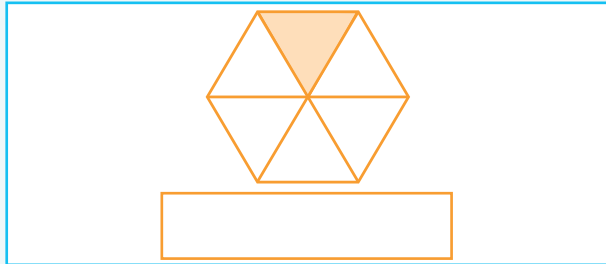
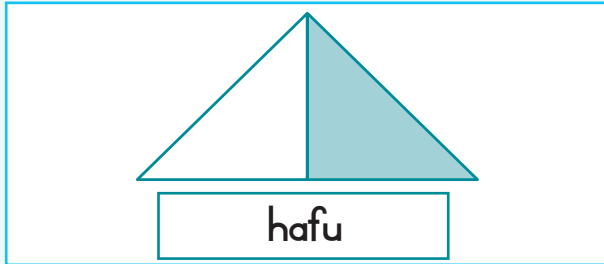


Khalarani zwi tevhelaho. Ni vhona mini?

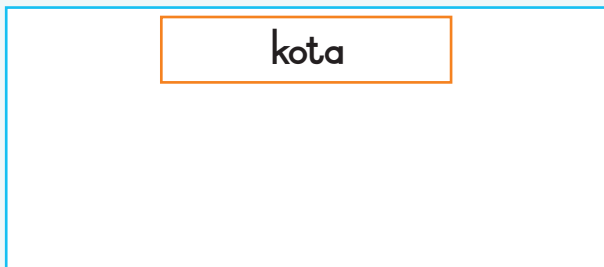
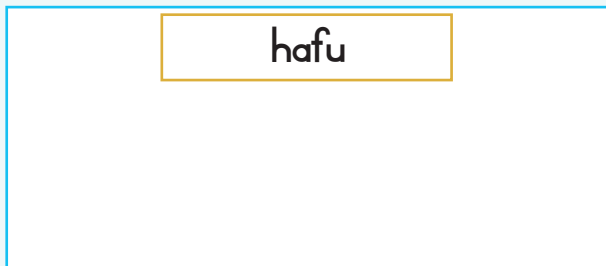




Bulani uri ndi furakhisheni nngafhani ya tshivhumbeo tshinwe na tshinwe ye ya swifhadzwa. Nwalani nga maipfi.



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



Humbelani mubebi kana muongi wanu zwine a do renga:

- Hafu nthihi ya:
- Tshararu tsha:
- Kota ya:
- Tsharathi tsha:





Furakhisheni hafhu

Deithi:

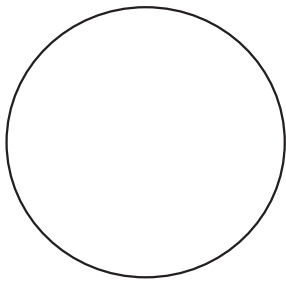
Themo ya 4

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

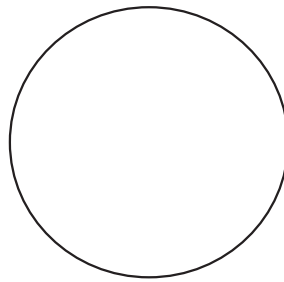


Khonani yanu u ni humbela uri ni kovhekanya pitza i bve zwilai zwi no lingana. Olani tshifanyiso ni tshi sumbedza tshinwe na tshinwe tsha izwi.

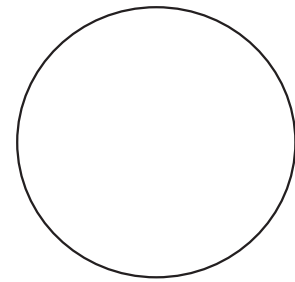
Dzihafu



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 yotlhe?

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

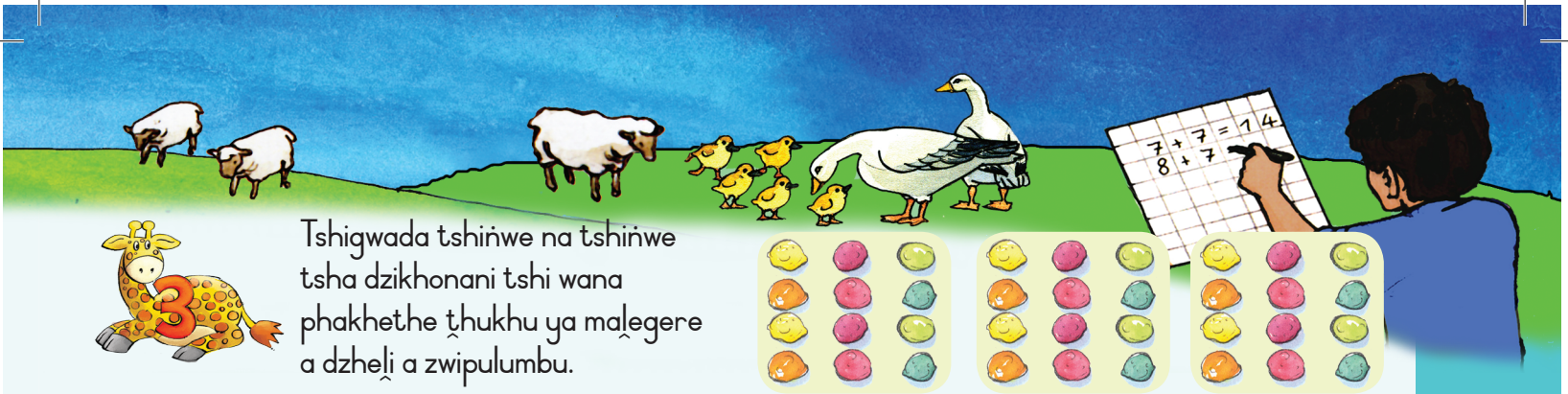
- Tshararu tsha pitza kana
- Pitza yotlhe?

Lufu, Sundani, Lerato na Palesa vho la pitza nthihi yotlhe. Vho la pitza nngafhani?

- Kota nthihi kana
- Kota nna?

Fhindulani mbudzo dza tevhelaho:

- Arali nda khethekanya pitza ya bva zwathanu, ndi zwathanu zwingana zwine ra tea u la uri ri vhe ro la pitza yotlhe? _____
- Arali nda khethekanya pitza ya bva zwarathi, ndi zwarathi zwingana zwine ra tea u la uri ri vhe ro la pitza yotlhe? _____



Tshigwada tshinwe na tshinwe
tsha dzikhonani tshi wana
phakhethe tshukhu ya malegere
a dzheji a zwipulumbu.



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



Khalarani furakhisheni i no fana na nthihi yotlhe.

kota tharu

tshararu tshithihi

kota mbili

zwathanu zwiraru

zwararu zwivhili

hafu nthihi

zwathanu zwitanu

zwathanu zwivhili

hafu mbili

zwathanu zwina

zwathanu zwivhili

kota nthihi

zwararu zwiraru

Ni nga takalela zwifhio, kota nna dza tshikoleithi kana tshokoleithi nthihi yotlhe? Ndi ngani?

Teacher:

Sign:

Date:



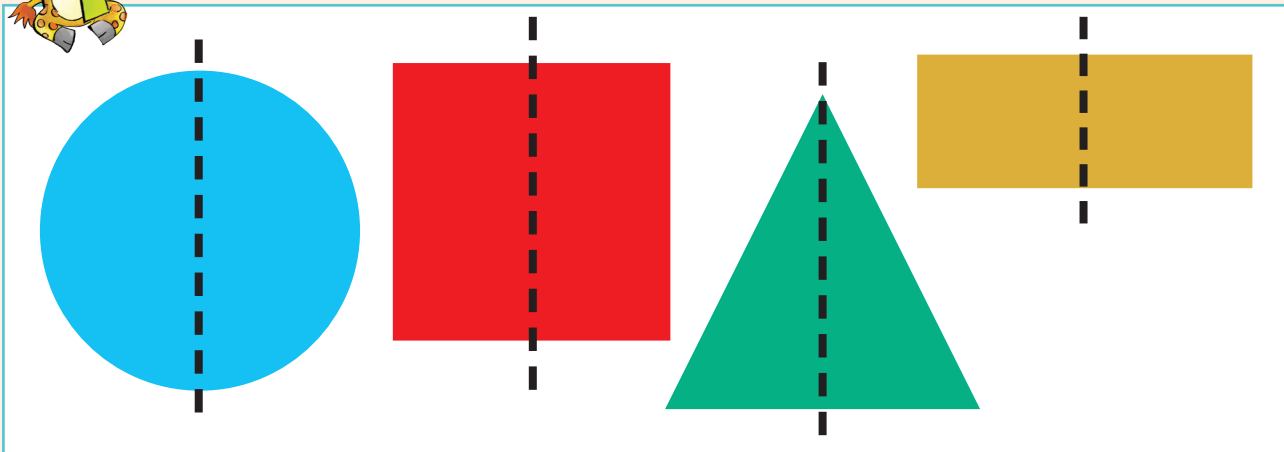
Ndinganahuvhili na zwivhumbeo

Deithi:

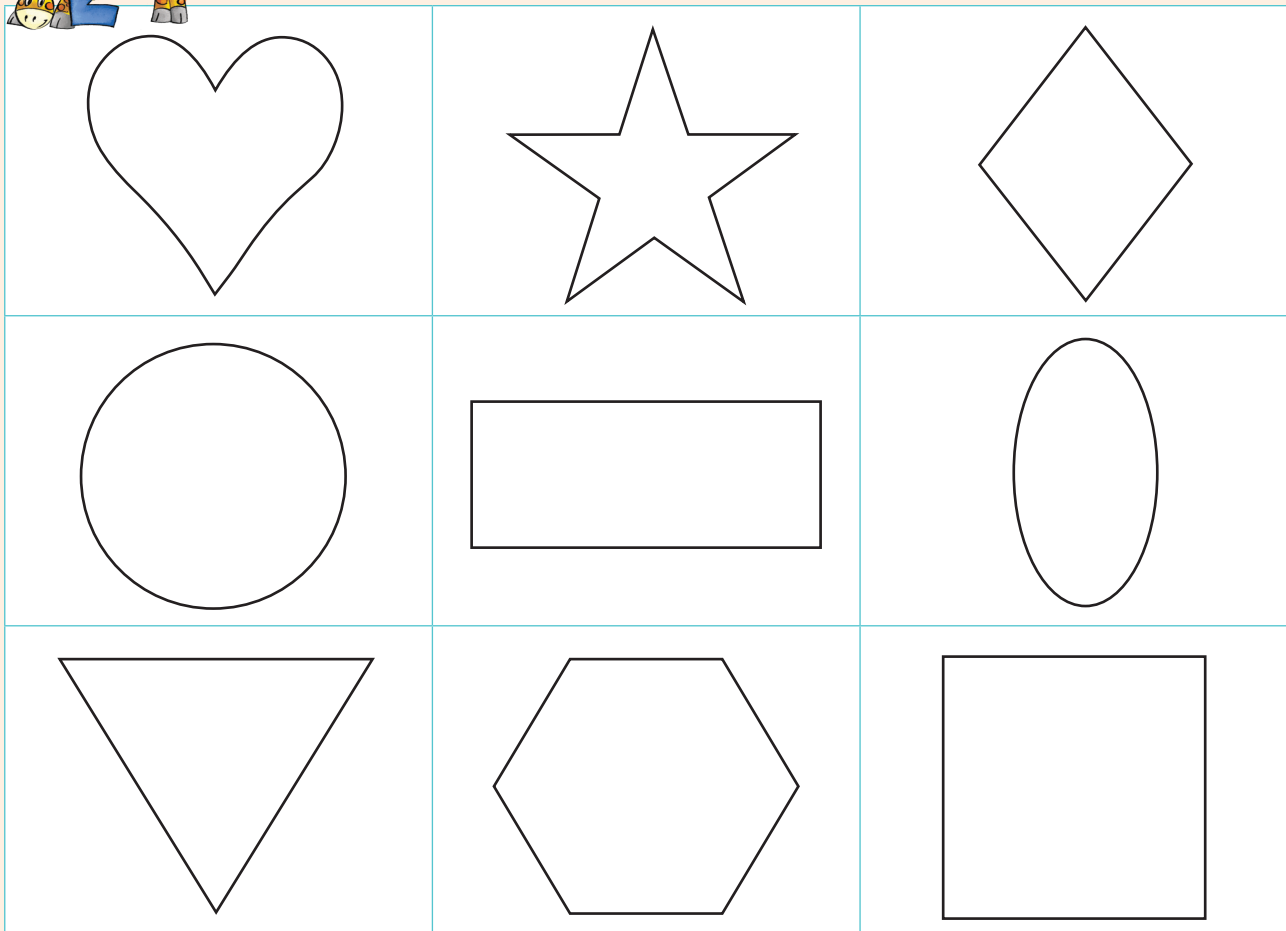
Themo ya 4

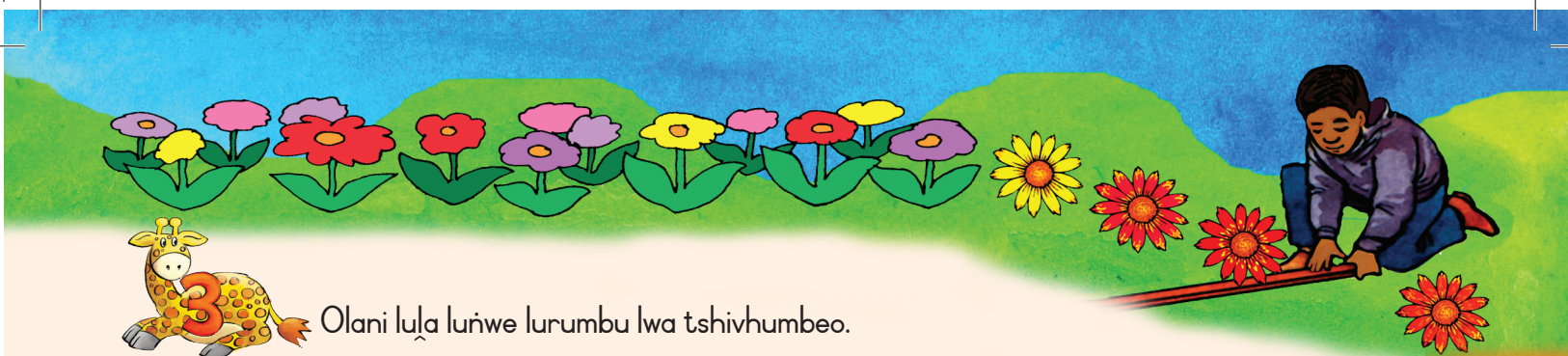


Lavhelesani zwifanyiso zwa zwivhumbeo. Lurumbu luthihi lwa tshivhumbeo lu fana na luḽa luḽwe? Zwi kha ndinganyahuvhili?



Talani mutalo u itela uri lurumbu luthihi lwa tshivhumbeo lu fane na luḽa luḽwe.





Olani luḽa luḽwe lurumbu lwa tshivhumbeo.



Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20



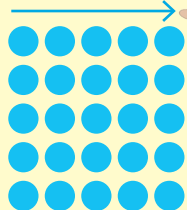
Mitevhe na furakhisheni

Deithi:

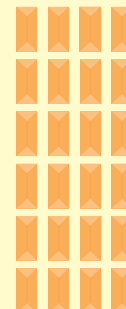
Themo ya 4

Kha vha nee vhagudi zwifanyiso zwi tevhelaho. 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?

	6				
	3				



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



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



Hu na zwivhumbeo zwingana? Tshatshanu 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?	tshatshanu tshithihi tsha zwithu ndi mini?

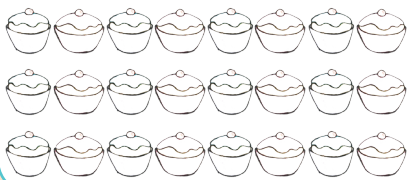


Shumisani mitevhe kha u sumbedza:

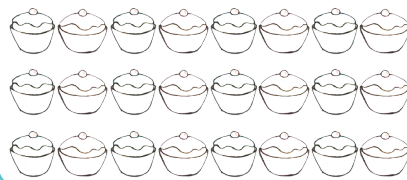
Kota nthihi ya malegere a 12.	Tshararu tshithihi tsha malegere a 12.	Hafu nthihi ya malegere a 12.
-------------------------------	--	-------------------------------

Mme anga vho baka khekhe ya khaphu dza 24. vha tshi bakela inwe na inwe ya indasitirini dza mahayani dzi tevhelaho. Avha vhatu vho oda: Ni vhe na vhuṭanzi uri ni shumisa zwifanyiso zwa khekhe ya khaphu uri zwi ni dededze.

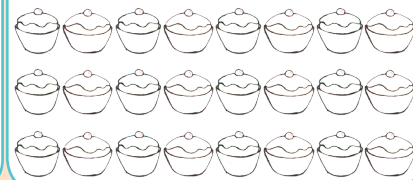
hafu nthihi ndi dza sitiroberi ngeno dziṅwe dzotṅhe dzi dza vanila



kota nthihi ndi dza tshokoleithi ngeno dziṅwe dzotṅhe dzi dza vanila



tshararu tshithihi ndi tsha sitiroberi ngeno dziṅwe dzotṅhe dzi dza vanila



Teacher:
Sign:
Date:



Furakhesheni ya tshikhuvhugu tsha zwithu

Deithi:

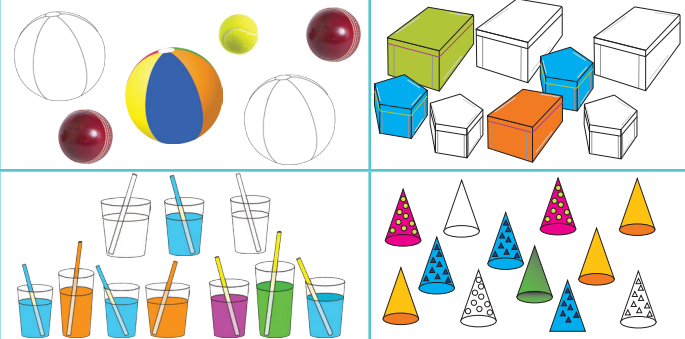
Themo ya 4

Lavhelesani ṭhalutshedzo idzi ni dzi livhanye na zwifanyiso u itela u sumbedza uri ho khalariwa furakhisheni nngafhani ya zwithu. Ambani ngazwo.

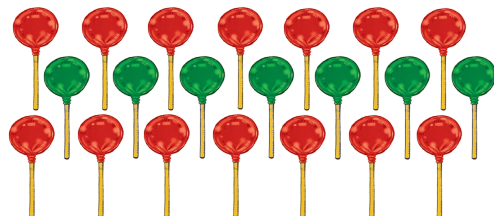
Hafu ya 1 ya tshikhuvhugu tsha zwithu

Tshararu tsha 1 tsha tshikhuvhugu
tsha zwithu

Kota ya 1 ya tshikhuvhugu tsha zwithu

Tshaṭhanu tsha 1 tsha tshikhuvhugu
tsha zwithu

Vhumbani fhungo lanu inwi mune nga zwifanyiso zwe re afho fhasi. Ni tea u dzhenisa maipfi a no amba nga furakhisheni mafhungoni ayo.





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

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



Ndi furakhisheni nngaf'hani ya khekhe dza khaphu dzine dza vha na aisini ya muomva?

Aisini ya siṱiroberi? Aisini ya babulugamu?



Teacher: _____
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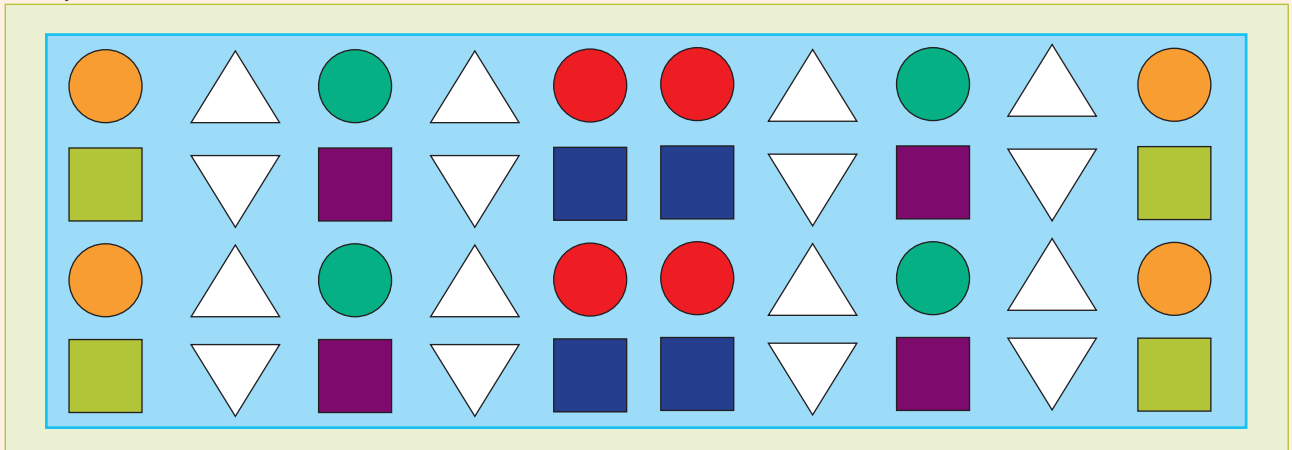
11 12 13 14 15 16 17 18 19 20

127

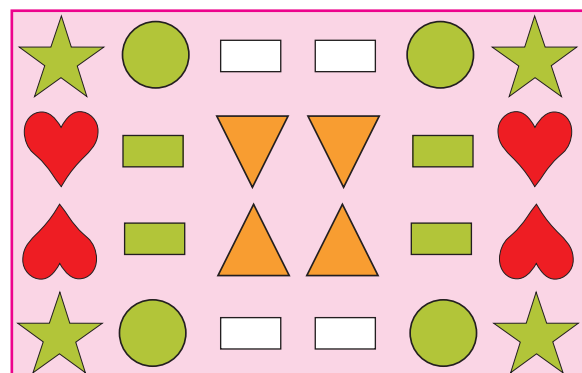
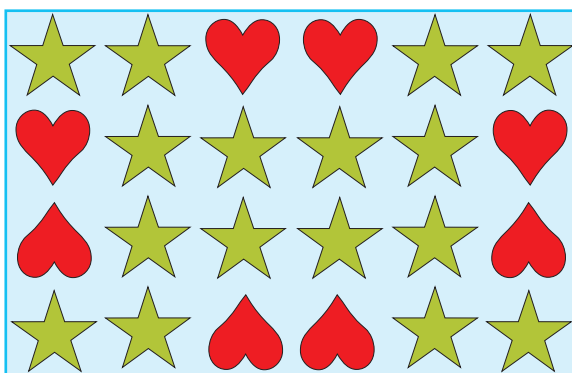
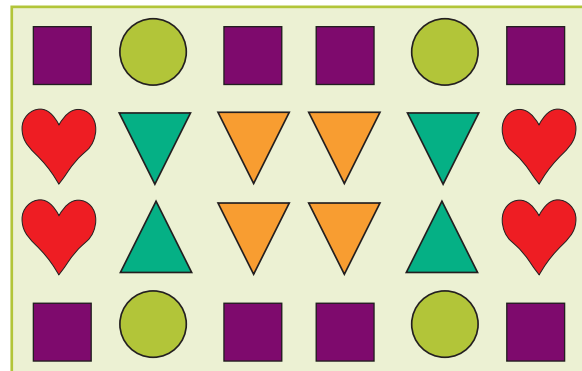
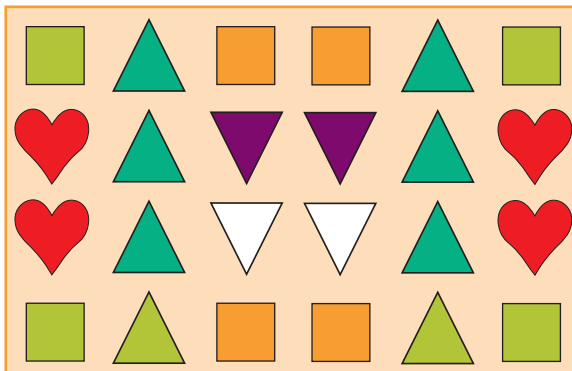
Ndinganahuvhili kha phetheni

Deithi:

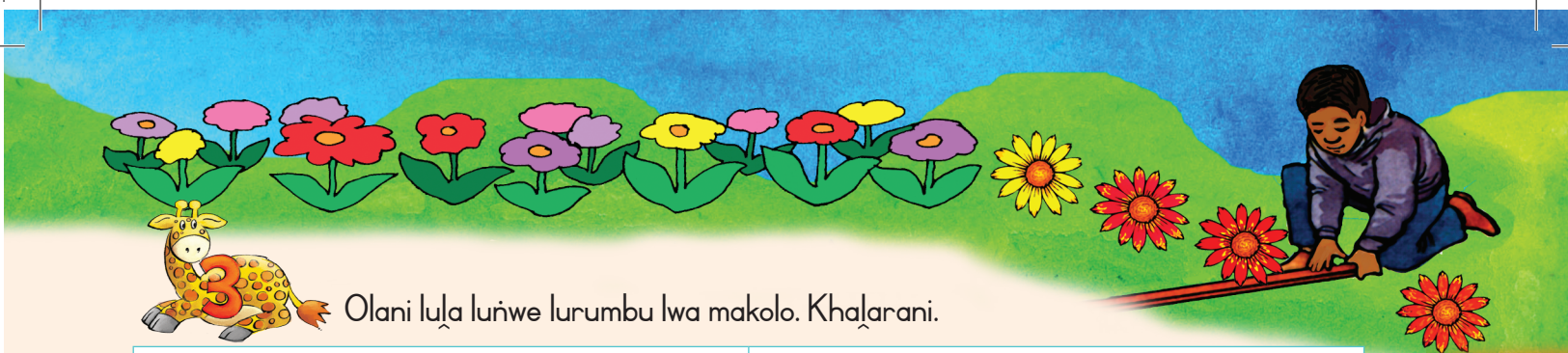
Lavhelesani zwifanyiso zwa makolo. Ni vhona mini?



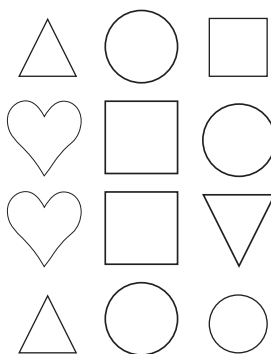
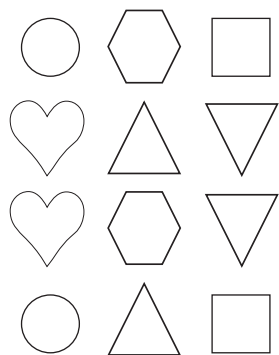
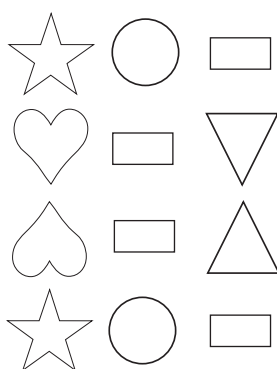
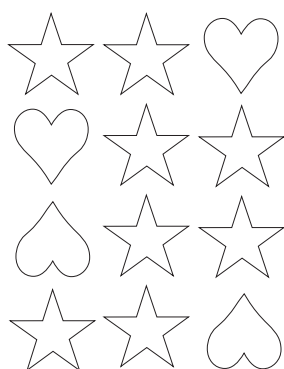
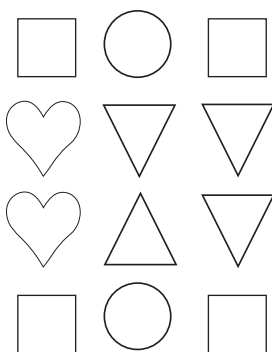
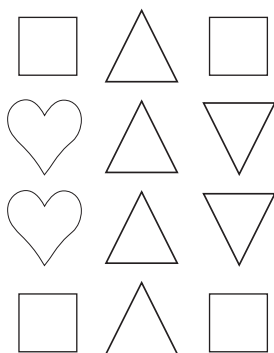
Talani mutalo u itela uri lurumbu luthihi lwa makolo aya lu fane na lula luriwe.



Themo ya 4



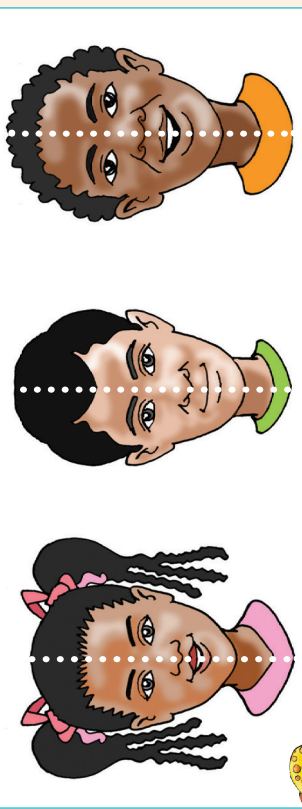
Olani lula luriwe lurumbu lwa makolo. Khaḷarani.



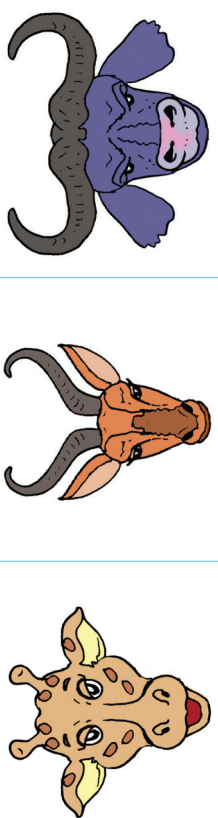
Teacher: _____
Sign: _____
Date: _____

Ndinganguhvili haf'hu

Lavhesani zwifanjiso zwa zwifhatuwo. Lurumbu luthihi lwa tshivhumbao lu fana na luja lunwe? Zwi kha ndinganguhvili?

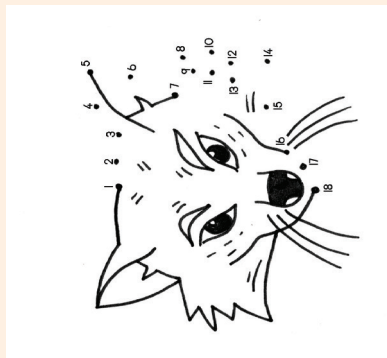


Talani mutalo u itela uri lurumbu luthihi lwa tshivhumbao lu fane na luja lunwe.

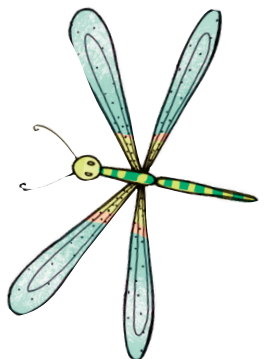


Olani luja lunwe lurumbu lwa sia.

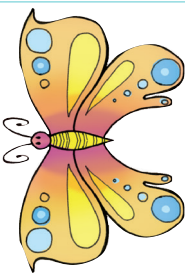
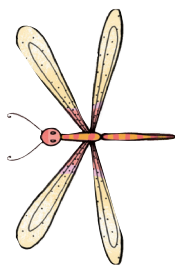
Phetheni dza nomboro dzi do ni thusa.



Lavhesani zwifanjiso zwa zwivhumbao. Lurumbu luthihi lwa tshikhokhonono lu fana na luja lunwe?



Talani mutalo u itela uri lurumbu luthihi lwa tshikhokhonono lu fane na luja lunwe.



Olani luja lunwe lurumbu lwa tshikhokhonono.



Teacher: _____
Sign: _____
Date: _____