

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 maanġa u fhira na muphuresidennde, maanġa ayo a fhira a dzikhothe na a muvhuso woġhe.

Ndi milayo ine ya laya vhatu vha jino shango uri vha tea u farana nga nġilade. Mulayotewa wa shango wo itelwa u tsireledza roġhe ri no khou tshila zwino na vhana vhashu vhane vha kha ġi ġo ġa.

Talukanyani hune ra bva hone.

Ri songo dovha vkhakhi ha mulovha.

Mulayotewa washu u ri thusa uri ri elekanye nga vhumatshelo ha khwiġe ha roġhe khathihi na u vhu fhaġa.

Riġe, vhatu vha Afrika Tshipembe;

Ri dzhiela nġha u shaea ha vhumukanyi kha tshifinga tsho fhelaho;

Ri šhonifha havho vhe vha tambulela vhumukanyi na mbofholowo kha shango šashu;

Ri šhonifha havho vhe vha shuma vha tshi itela u fhaġa na u bveledzisa shango šashu; na

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

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

Fhelise khethululo ya tshifinga tsho fhelaho na u thoma tshitshavha tshine tsho ġisendeka kha ndeme dza demokirasi, vhumukanyi ha matshiliso na pšanelo dza vhatu;

Fhaġe mitheo kha demokirasi na tshitshavha tshi re khagala hune muvhuso wo ġisendeka kha lufuno lwa vhatu nahone vhadzulapo vho tsireledzwa nga mulayo nga nġila I linganaho;

Khwinisa ndeme ya Vhutshilo ha vhadzulapo vhoġhe na u vhošholola vkhoni ha muthu muġwe na muġwe; na

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

Shumisani pšanelo dzaġu sa mudzulapo wa Afrika Tshipembe ni dovhe ni vhe na vhuġifhinduleli ha u tsireledza pšanelo dza vhaġwe.

Divhani Mulayotibe Wa Pšanelo na Mulayotibe Wa Vhuġifhinduleli.

Mudzimu tsireledza vhatu vhashu.

Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.

God seġn Suid-Afrika. God bless South Africa.

Hosi katekisa Afrika.

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

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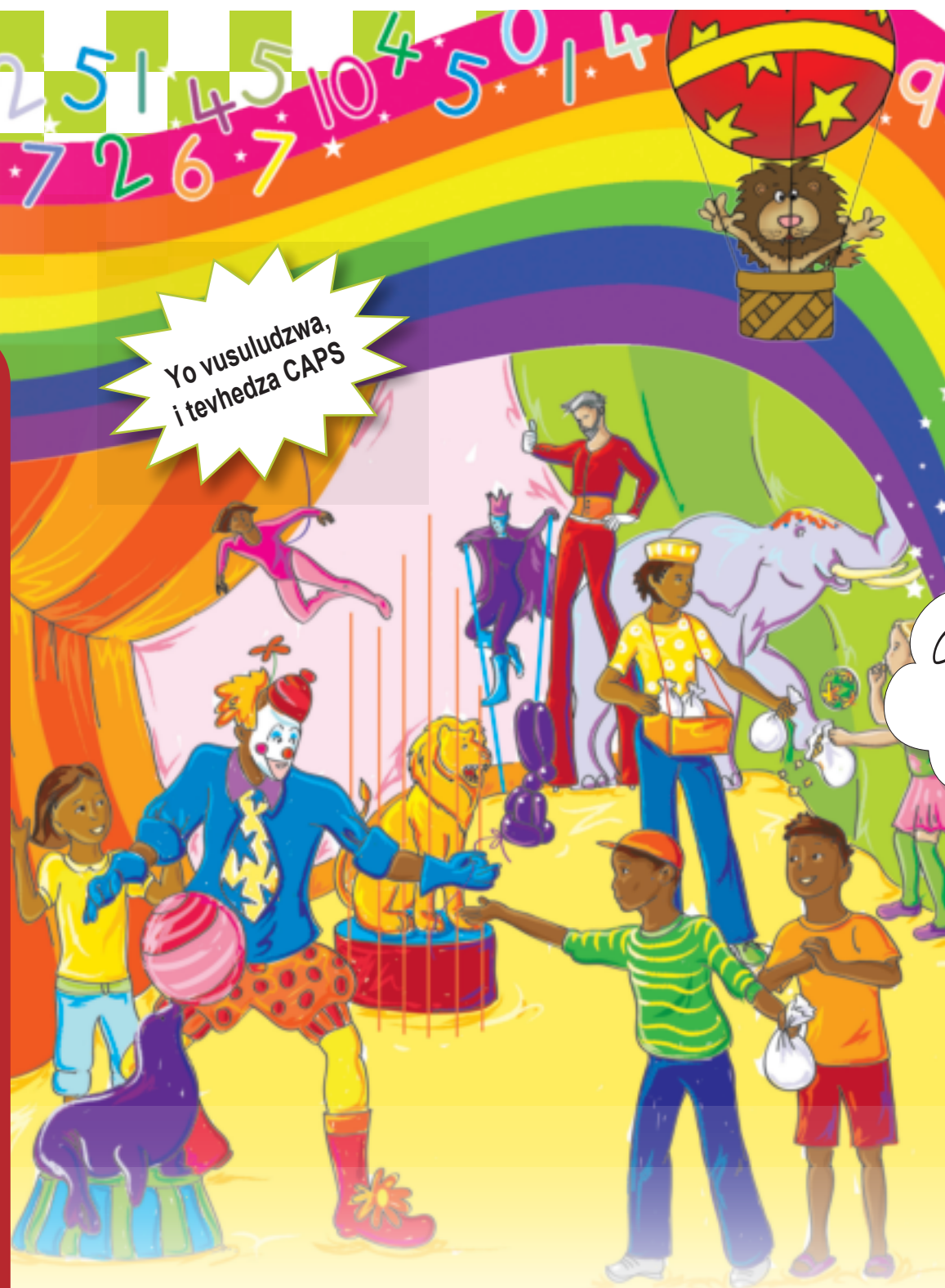
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DIVHAMBALO NGA TSHIVENDA – Gireidi ya 2 Bugu ya 2

ISBN 978-1-4315-0145-8

Yo vusuludzwa,
i tevhedza CAPS



Gireidi ya 2

Dzina: Kiġasi:



DIVHAMBALO
NGA TSHIVENDA

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Themo 3 & 4

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Vho Angie Motshekga
Minista wa Muhasho wa
Pfunzo ya Muteo



Vho Dr. Reginah Mhaule
Muthusaminista wa
Pfunzo ya Muteo

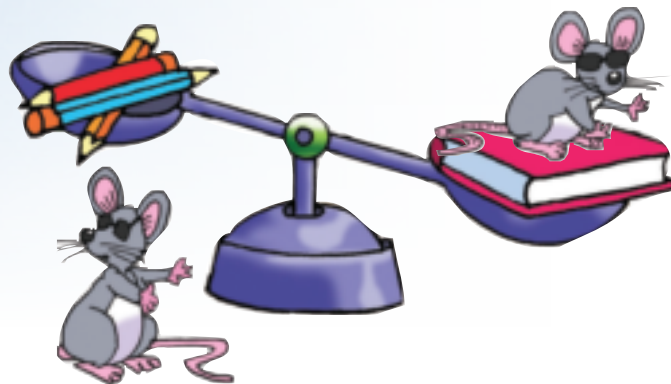
Bugu idzi dza u shumela dzo bveledzwa u itela uri dzi shumiswe nga vhagudi vha Afurika Tshipembe nga fhasi ha vhurangaphanda ha Minisiṭa wa Pfunzo ya Muteo, mufumakadzi Vho Angie Motshekga na Muthusaminista wa Pfunzo ya Muteo, Vho Dr. Reginah Mhaule.

Bugu dza u shumela dza Rainbow dzi vhumba tshipida tsha mbekanyamushumo dza vhudzheneleli dza Muhasho wa Pfunzo ya Muteo wo livhiswaho kha u khwinisa kushumele kwa vhagudi vha Afurika Tshipembe kha gireidi dza rathi dza u thoma. Sa tshinwe tsha zwithu zwa nṭhesa zwa Pulanetshumisi ya Muvhuso, thandela iyi yo itwa uri i vhe hone nga thusedzo ya masheleni ya Muhasho wa Gwama. Izwi zwo ita uri muhasho u kone u bveledza idzi bugu dza u shumela kha nyambo dzoṭhe dza tshiofisi hu si na mbadelo. Ri fulufhela uri vhadededzi vha ḍo vbona ndeme ya bugu idzi kha u funza havho ha ḍuvha liñwe na liñwe vha dovha vha ita uri vhagudi vha kone u khunyeledza kharikhulamu yoṭhe. Ro lingedza nga ndila dzoṭhe u sumbedza vhagudisi kha nyito inwe na inwe nga u dzhenisa aikhoni dzine dza sumbedza zwine vhagudi vha fanela u ita. Ri na fulufhelo loṭhe la uri vhagudi vha ḍo ḍiphina nga u shuma nga idzi bugu musi vha tshi khou aluwa na u guda, na uri vhone sa vhadededzi vha ḍo vha na mukovhe kha dakalo iḷi. Ri ri kha vhone na vhagudi vhavho, ngavhe zwi tshi vha nakela musi vha tshi shumisa bugu idzi. Zwi pfumbe.

Gireidi ya **2**



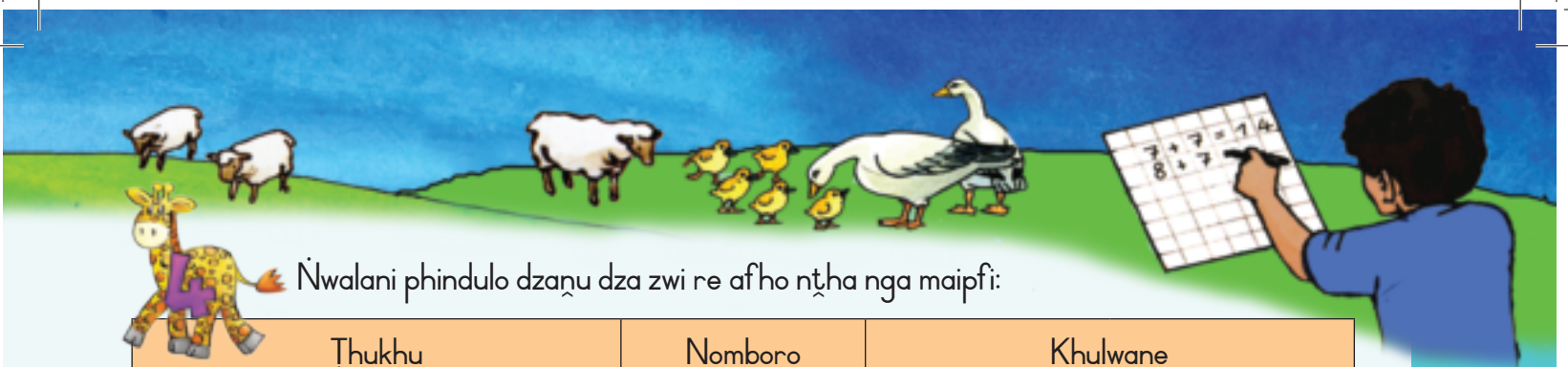
Bugu iyi ndi ya:



TSHIVENĎA

Bugu ya

2

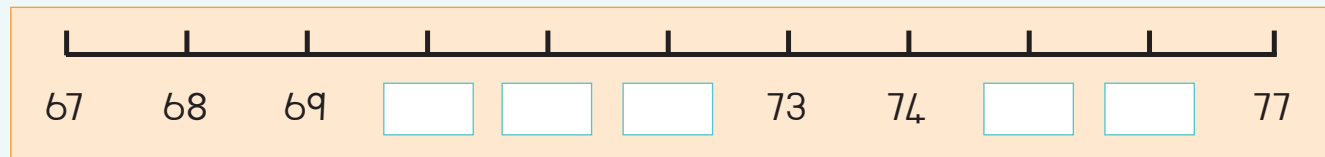
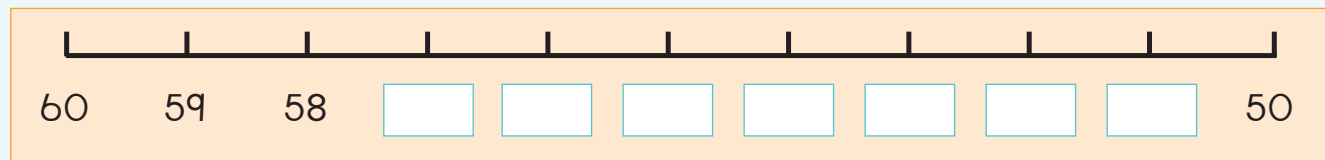
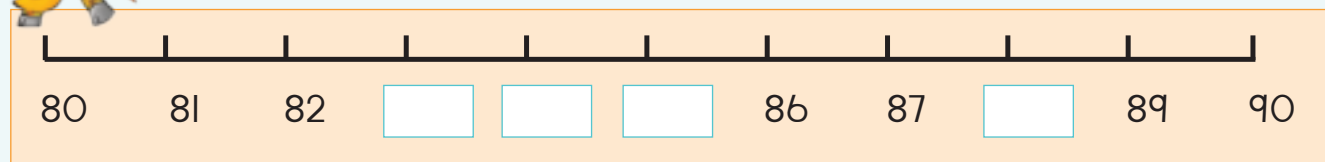


Nwalani phindulo dzaṅu dza zwi re afho ntḥa nga maipfi:

Thukhu		Nomboro	Khulwane	
		55		
		63		
		88		
		95		
		71		



Fhedzisani mitalombalo iyi.



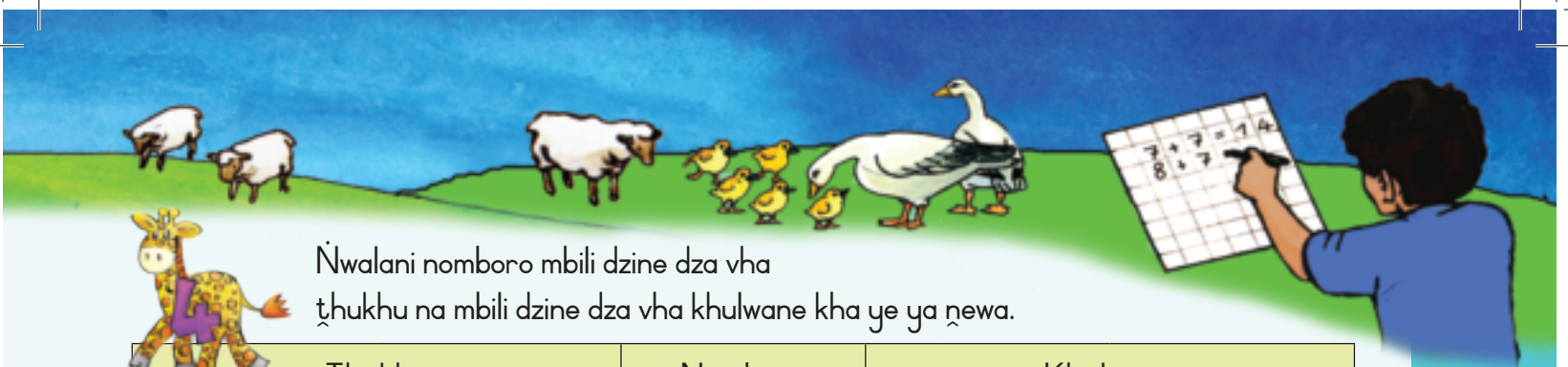
Gerani nomboro tharu dzi re vhukati ha 50 na 99 kha magazini kana gurandḁ. Ni dzi nambatedze hafha.



Teacher: _____

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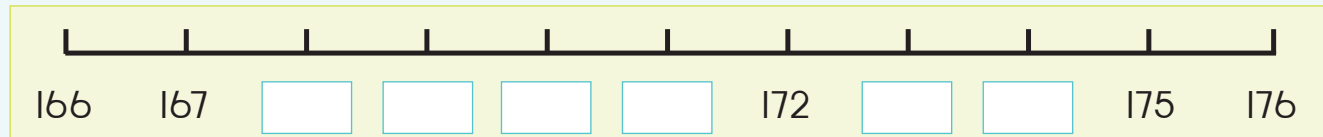
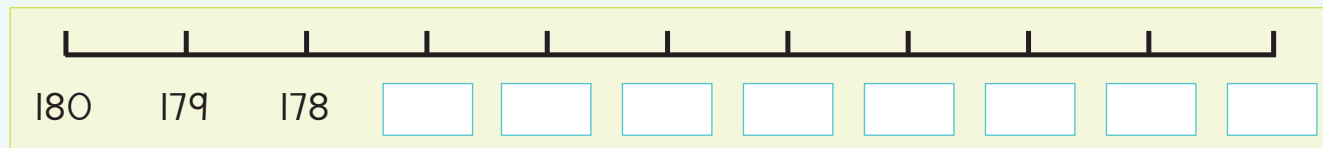
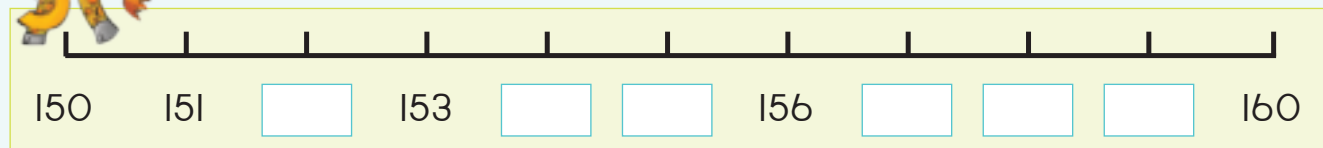


Ñwalani nomboro mbili dzine dza vha
 tshukhu na mbili dzine dza vha khulwane kha ye ya newa.

Thukhu	Nomboro	Khulwane
	123	
	145	
	108	
	141	
	134	



Fhedzisani mitalombalo iyi.



Gerani nomboro tharu dzi re vhukati ha 100 na 150 kha magazini kana gurandya.
 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.



Teacher: _____

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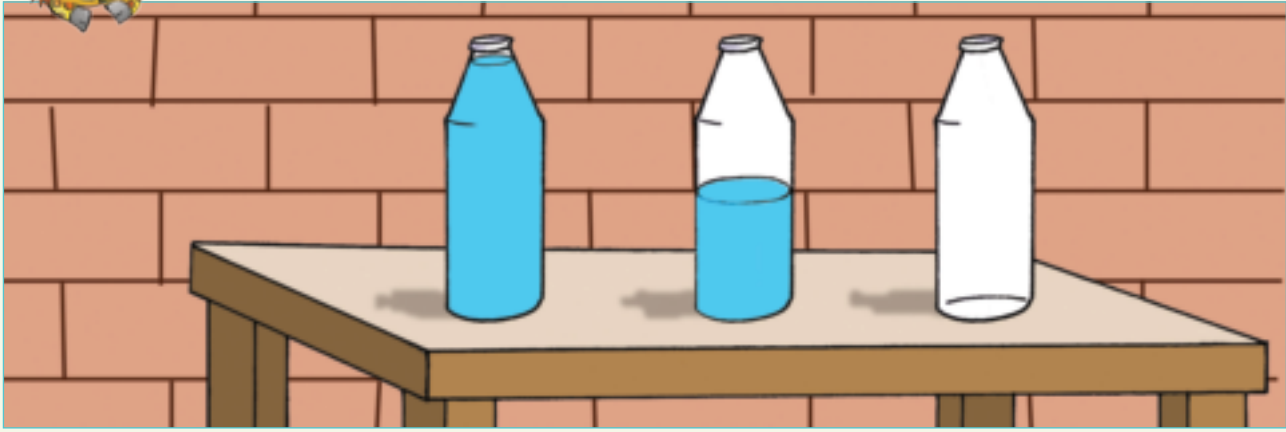


Deithi: _____

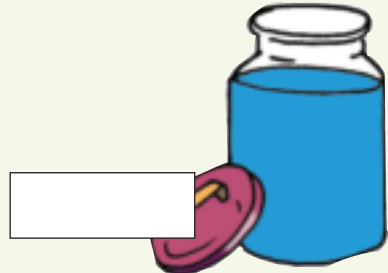
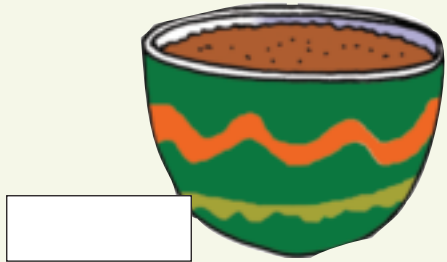
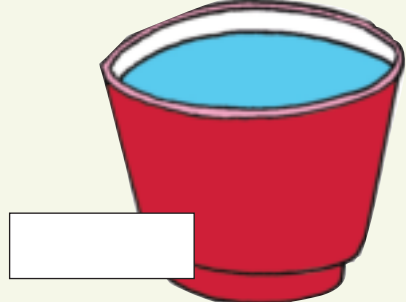
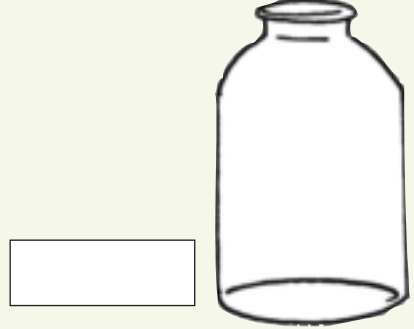
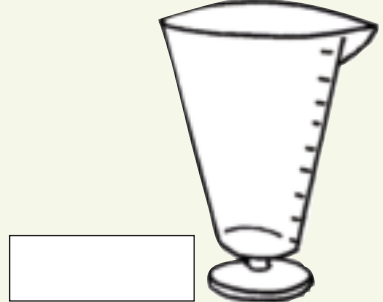
Dala, denga, a tshi na tshithu



Ambani nga mabodelo a re n̄tha 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 hwala zwinzhi.



Teacher: _____
Sign: _____
Date: _____



Khaphasithi hafhu

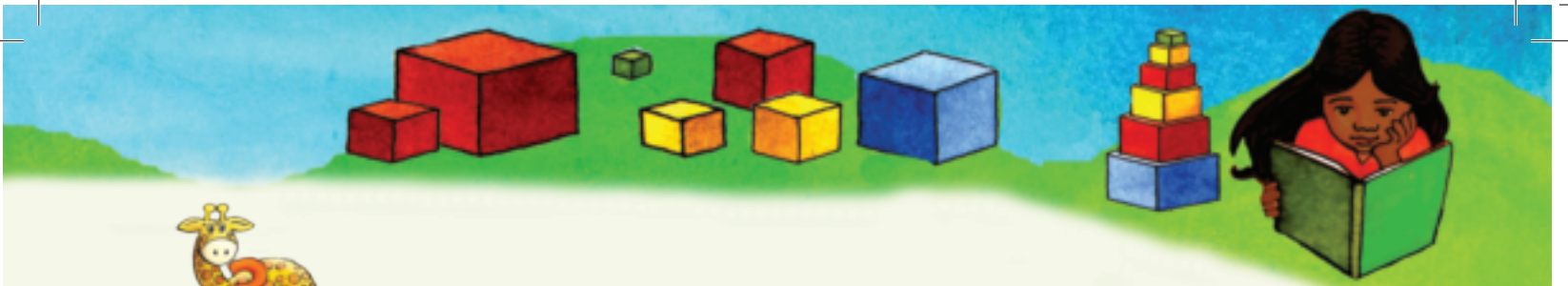
Deithi:

Lavhelesani zwifanyiso. Vhana vha khou ita mini.



Lebula dzi do dadza dzhege u swika ngafhi? Khaḵarani.

<p>Kulebula kuḵuku ku dadza khaphu u swika hafha.</p>	



Ndi khaphu nngana dza maḡi dzine na ḡo tḡḡa uri ni ḡadze khaphu ya u ela.















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



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Sign: _____
Date: _____

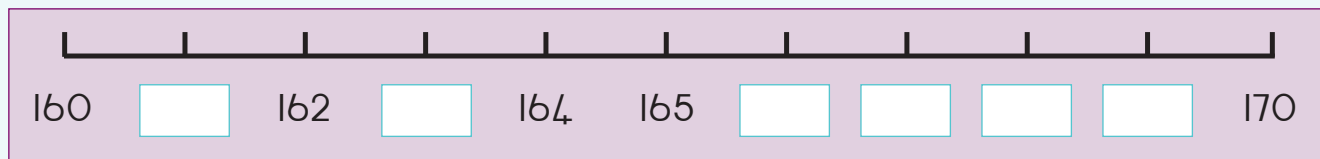
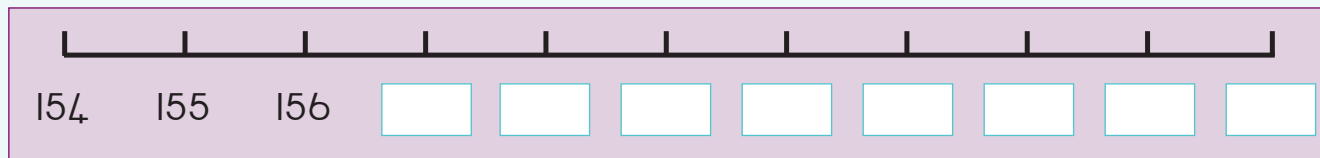
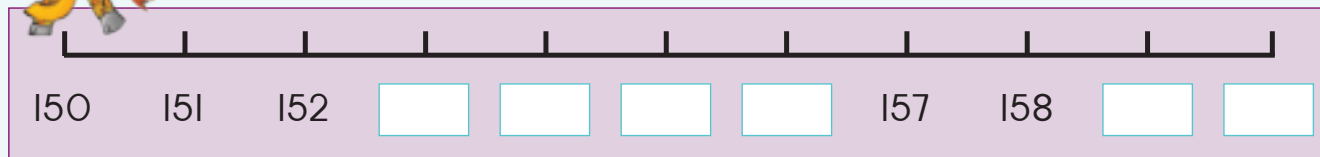


Nwalani nomboro mbili dzine dza vha tshukhu na mbili dzine dza vha khulwane kha ye ya newa.

Tshukhu		Nomboro	Khulwane	
		155		
		168		
		151		
		162		
		160		



Fhedzisani mitalombalo iyi.



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



Teacher: _____

Sign: _____

Date: _____

70



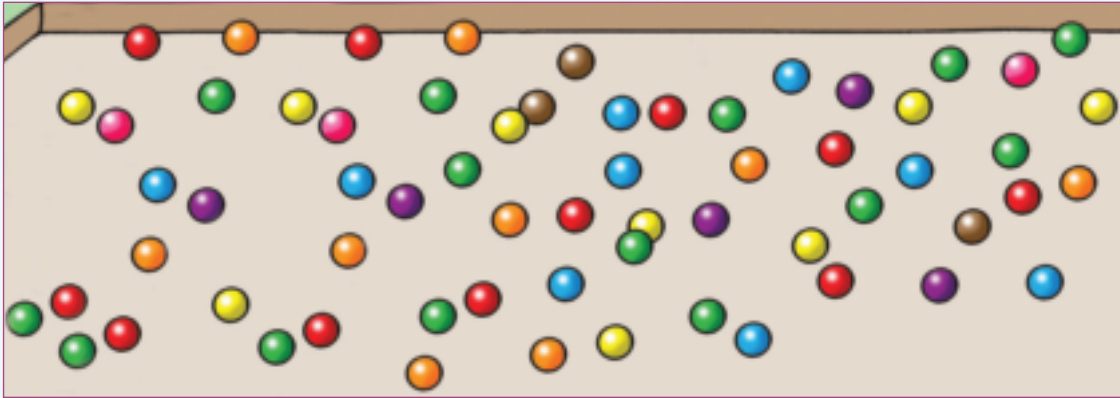
Deithi: _____

U vhala na u anganya (0 – 100)

Anganyani ni vhale malungu.



Themo ya 3

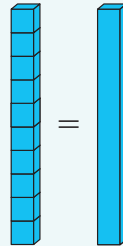


anganyani

rekanyani



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



<p>anganyani <input type="text"/></p> <p>rekanyani <input type="text"/></p>	<p>anganyani <input type="text"/></p> <p>rekanyani <input type="text"/></p>
<p>anganyani <input type="text"/></p> <p>rekanyani <input type="text"/></p>	<p>anganyani <input type="text"/></p> <p>rekanyani <input type="text"/></p>
<p>anganyani <input type="text"/></p> <p>rekanyani <input type="text"/></p>	<p>anganyani <input type="text"/></p> <p>rekanyani <input type="text"/></p>



Hu na maḽegere a 42 bogisini. Ndi mangana a sa vhoneali?



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



Hu na maḽegere a 78 bogisini. Ndi mangana a sa vhoneali?



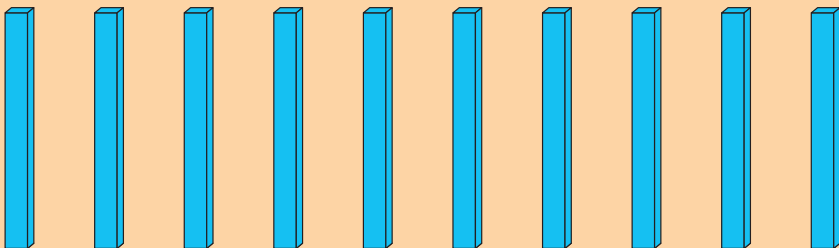
Hu na malungu a 100 bogisini. Ndi mangana a sa vhoneali?





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: _____



Data inwe hafhu

Deithi: _____

Themo ya 3



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



Blank writing box with a small square box at the bottom right.



Blank writing box with a small square box at the bottom right.



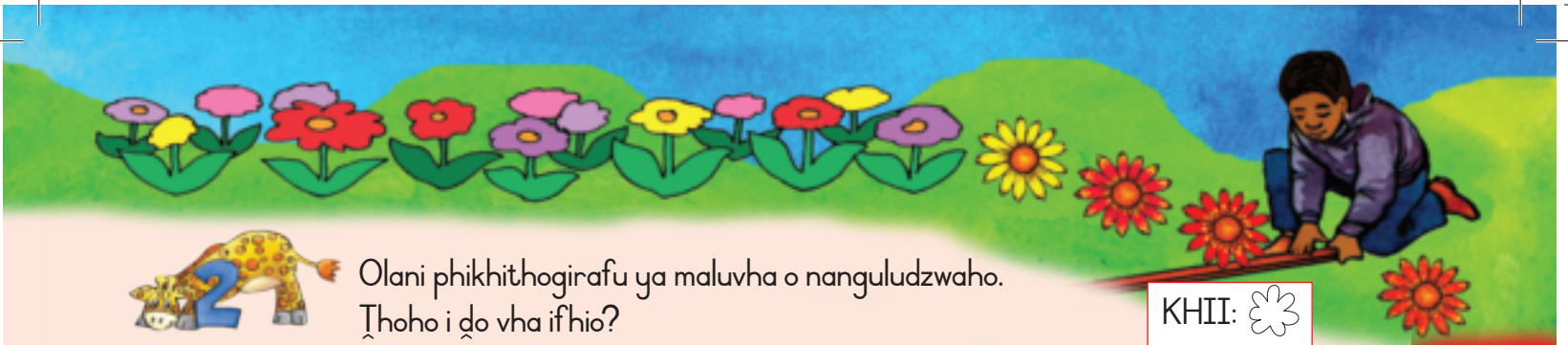
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Olani phikhithogirafu ya maluvha o nanguludzwaho.
 Thoho i do vha ifhio?

KHII: 



Fhindulani mbudziso dzi tevhelaho:

Hu na maluvha mangana a phephulu?

Hu na maluvha mangana matswuku?

Hu na maluvha mangana madala?

Hu na maluvha mangana a pinki?

Hu na maluvha mangana a tšaga?

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



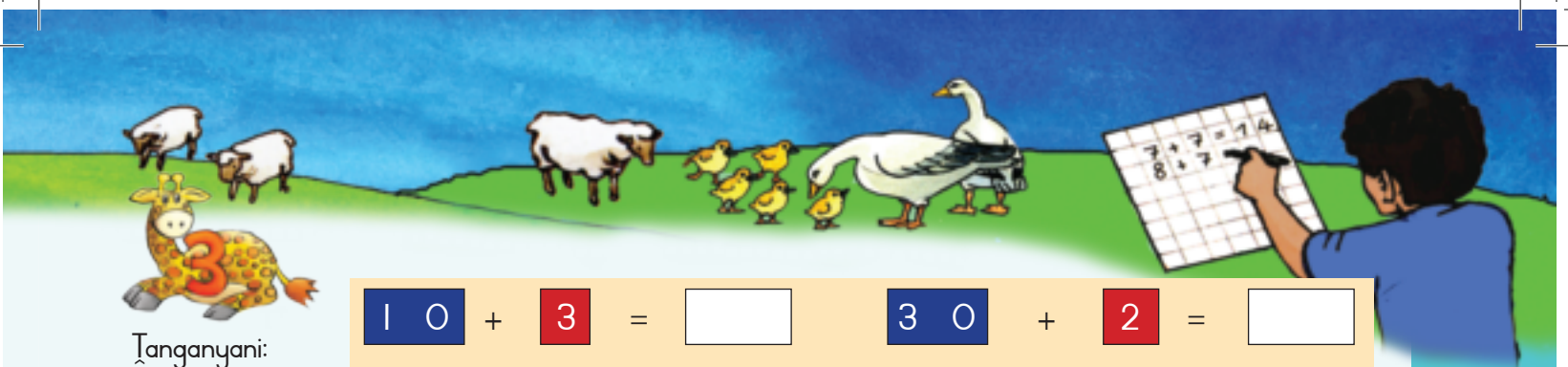
Lavhelesani tshifanyiso ni țanganye mavhulu.

mitswuku	+	ya lutombo	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
midala	+	ya lutombo	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
ya pinki	+	ya lutombo	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
midala	+	ya tshitopana	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
mitswuku	+	midala	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>



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

<div style="background-color: red; color: white; padding: 5px; text-align: center; font-weight: bold;">2</div> <div style="background-color: blue; color: white; padding: 5px; text-align: center; font-weight: bold;">1 0</div>	<div style="background-color: red; color: white; padding: 5px; text-align: center; font-weight: bold;">5</div> <div style="background-color: blue; color: white; padding: 5px; text-align: center; font-weight: bold;">2 0</div>	<div style="background-color: red; color: white; padding: 5px; text-align: center; font-weight: bold;">3</div> <div style="background-color: blue; color: white; padding: 5px; text-align: center; font-weight: bold;">3 0</div>	<div style="background-color: red; color: white; padding: 5px; text-align: center; font-weight: bold;">7</div> <div style="background-color: blue; color: white; padding: 5px; text-align: center; font-weight: bold;">4 0</div>
$7 + 40 = 47$	$10 + 2 = 12$	$20 + 5 = 25$	$3 + 30 = 33$



Tanganyani:

$$10 + 3 = \square$$

$$30 + 2 = \square$$

$$20 + 5 = \square$$

$$30 + 7 = \square$$

$$40 + 1 = \square$$

$$20 + 6 = \square$$

$$10 + 4 = \square$$

$$40 + 8 = \square$$

$$30 + 9 = \square$$



Tanganyani:

$$16 + 13$$

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

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

$$24 + 12$$

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

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

$$37 + 11$$

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

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

$$25 + 23$$

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

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

$$36 + 12$$

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

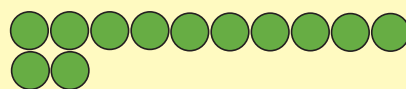
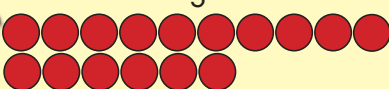
$$\square + \square = \square$$

$$28 + 21$$

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

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

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

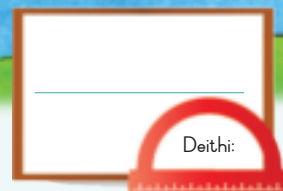


Thanganyelo ndi vhugai?

Teacher:

Sign:

Date:



Muṭanganyo 0 – 75

Themo ya 3



Tḥanganyelo ya tshibuḷoko tshirwe na tshirwe ndi vhugai?

$\begin{matrix} 1 & 10 \\ 5 & 10 \end{matrix}$	$\begin{matrix} 6 & 20 \\ 2 & 10 \end{matrix}$	$\begin{matrix} 3 & 20 \\ 5 & 30 \end{matrix}$	$\begin{matrix} 4 & 40 \\ 4 & 30 \end{matrix}$
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



Tḥanganyani.

$12 + 11$

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

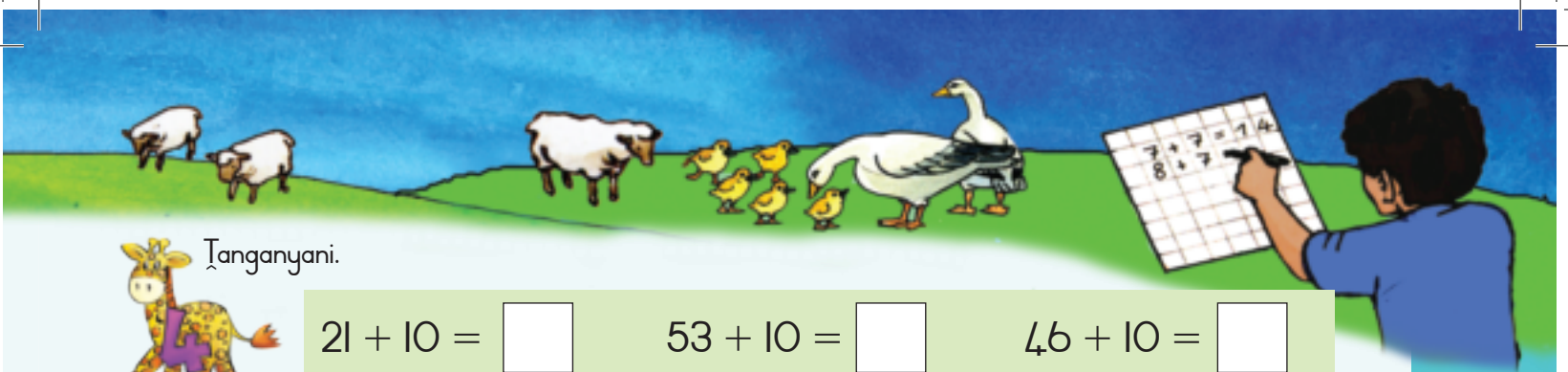
$23 + 41$

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



Fhedzisani:

$28 + 11 =$	$\begin{matrix} 2 & 8 \end{matrix} +$	$\begin{matrix} 1 & 0 \end{matrix} +$	$\begin{matrix} 1 \end{matrix} =$	$38 + 1 =$	39
$34 + 12 =$	$\begin{matrix} 3 & 4 \end{matrix} +$	$\begin{matrix} 1 & 0 \end{matrix} +$	$\begin{matrix} 2 \end{matrix} =$	<input type="text"/> + <input type="text"/> =	<input type="text"/>
$43 + 23 =$	$\begin{matrix} 4 & 3 \end{matrix} +$	$\begin{matrix} 2 & 0 \end{matrix} +$	$\begin{matrix} 3 \end{matrix} =$	<input type="text"/> + <input type="text"/> =	<input type="text"/>
$45 + 23 =$	$\begin{matrix} 4 & 5 \end{matrix} +$	$\begin{matrix} 2 & 0 \end{matrix} +$	$\begin{matrix} 3 \end{matrix} =$	<input type="text"/> + <input type="text"/> =	<input type="text"/>
$56 + 11 =$	$\begin{matrix} 5 & 6 \end{matrix} +$	$\begin{matrix} 1 & 0 \end{matrix} +$	$\begin{matrix} 1 \end{matrix} =$	<input type="text"/> + <input type="text"/> =	<input type="text"/>



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.



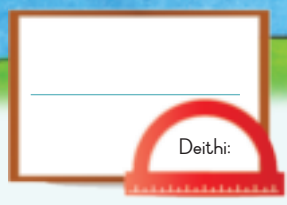
Itani mbalomaipfi ya inwi muṅe ni tshi shumisa zwifanyiso.



Teacher: _____

Sign: _____

Date: _____



Muṭanganyo na muṭuso: 0 – 75

Themo ya 3



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

9
60

5
50

4
70

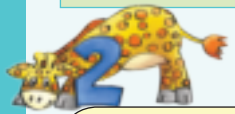
7
40

$7 + 40 = 47$

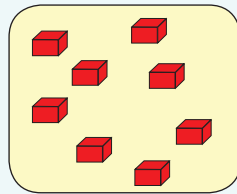
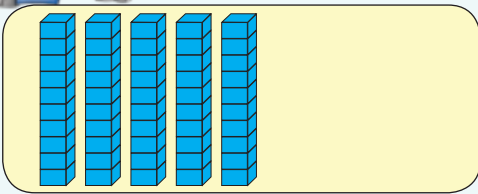
$60 + 9 = 69$

$50 + 5 = 55$

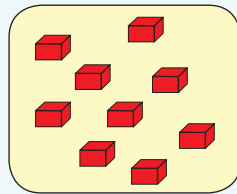
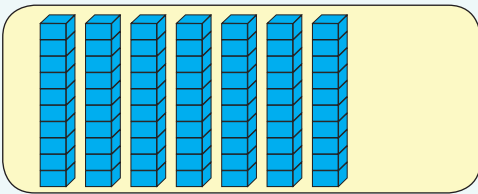
$4 + 70 = 74$



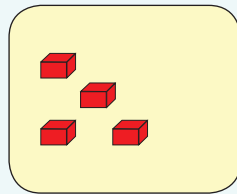
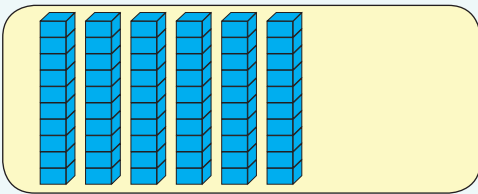
Ṁwalani mbalo ya zwi tevhelaho ni dzhenise phindulo.



+ =



+ =



+ =



Ṭanganyani.

$60 + 4 = \square$

$30 + 2 = \square$

$40 + 9 = \square$

$50 + 4 = \square$

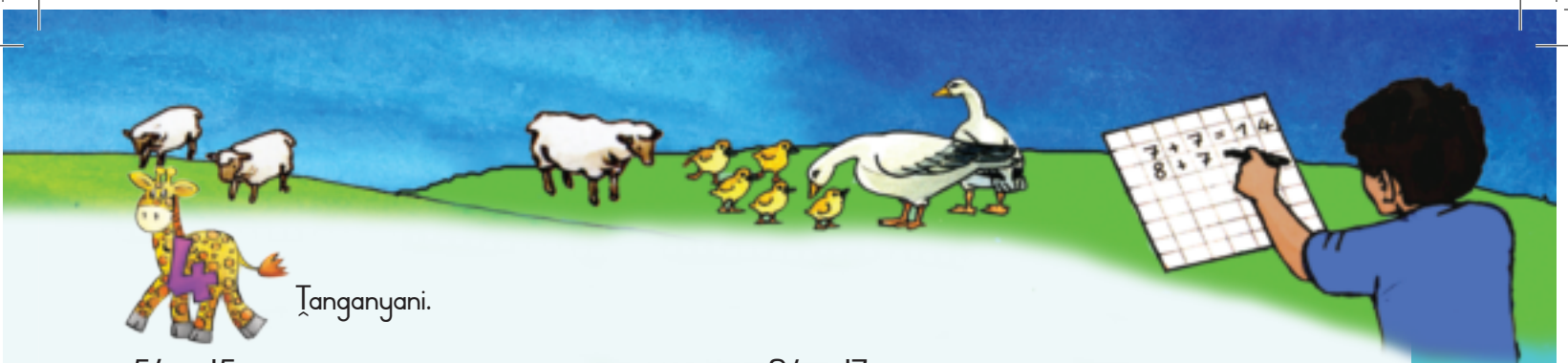
$20 + 8 = \square$

$10 + 7 = \square$

$70 + 5 = \square$

$70 + 8 = \square$

$50 + 6 = \square$



Tanganyani.

$56 + 15$

$56 + 15 = 71$

$34 + 17$

$\square + \square = \square$

$48 + 13$

$\square + \square = \square$

$63 - 41$

$\square - \square = \square$

$75 - 51$

$\square - \square = \square$

$72 - 49$

$\square - \square = \square$



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



Thanganyelo ndi vhugai? _____



Teacher: _____

Sign: _____

Date: _____



Bola, mabogisi na silinda

Deithi:



Maipfi aya a nga ni thusa:

mabogisi

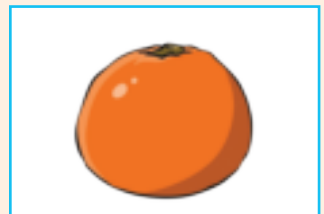
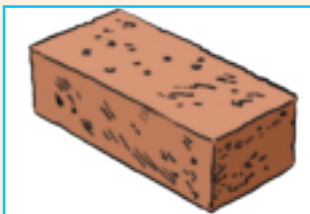
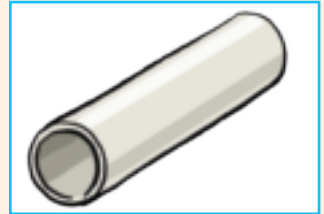
bola

silinda

Ni kha di elelwa uri ndi zwiwumbeode?

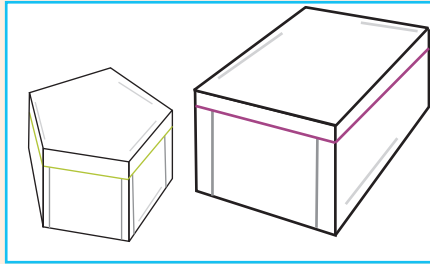


Topolani bola, mabogisi na silinda nge na iwala ipfi ilo nga fhasi ha tshinwe na tshinwe tshazwo.

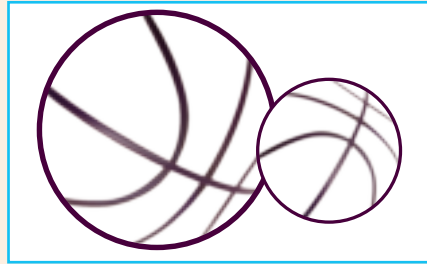




Khalarani zwithu zwi re zwiṭuku nga muvhala mudala.



mabogisi



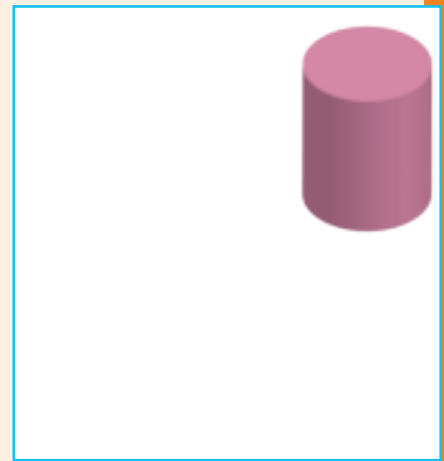
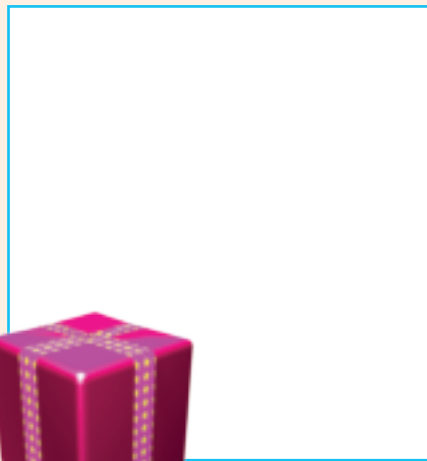
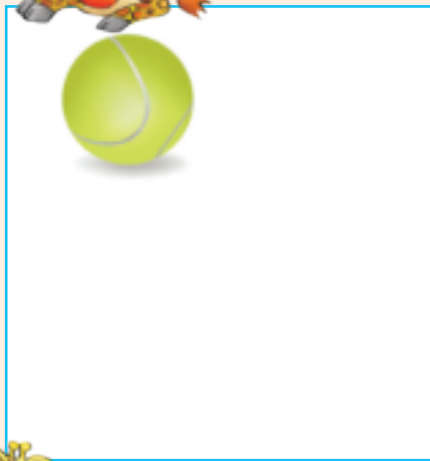
bola



silinda



Olani tshithu tshi re tshihulwane.



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

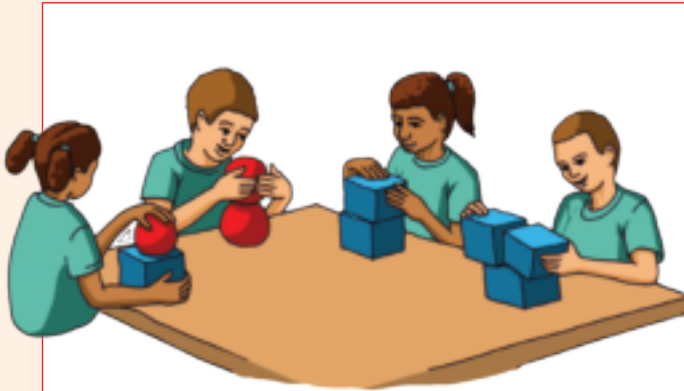


Teacher: _____
 Sign: _____
 Date: _____



Swendani, kunguluwani ni fhatse nga zwithu zwa 3-D

Deithi:



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

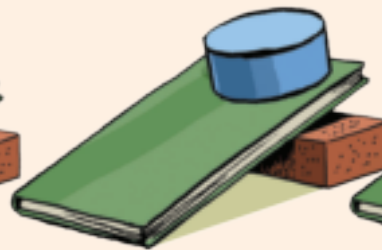
- Bogisi ntsha ha bogisi.
- Bola ntsha ha bogisi.
- Bola ntsha ha bola.
- Mabogisi mavhili o thophana.



Mabogisi, bola na silinda zwi nga kunguluwa kana zwa swenda. Mudededzi wanu vha do ni nea zwithu zwi tevhelaho uri ni vhone 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.







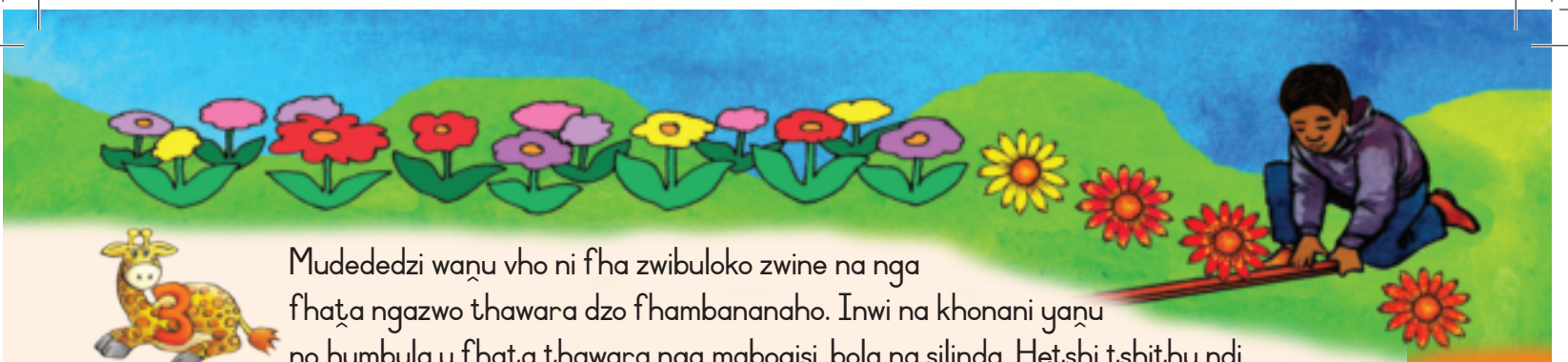




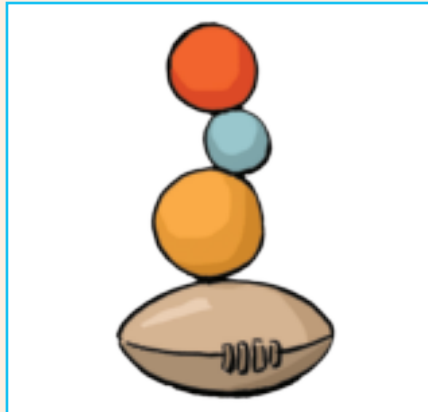
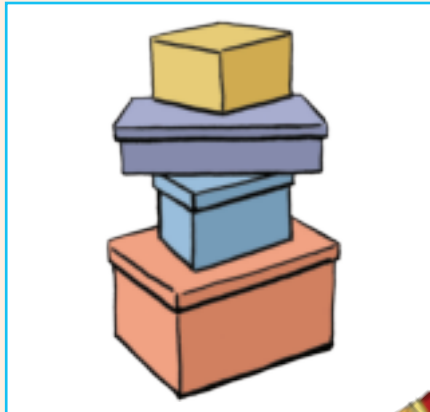
Wanani zwifanyiso zwa zwithu zwine zwa nga kunguluwa kana zwa swenda kha magazini ni zwi nambatedze hafha.

kunguluwa

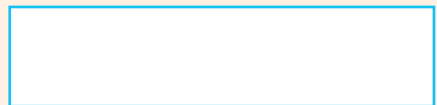
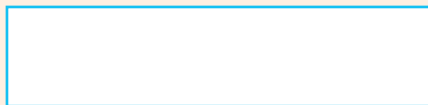
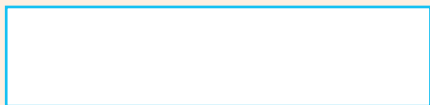
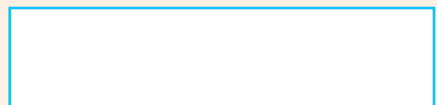
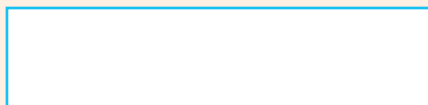
swenda



Mudededzi waṅu vho ni fha zwiḅuloko 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.



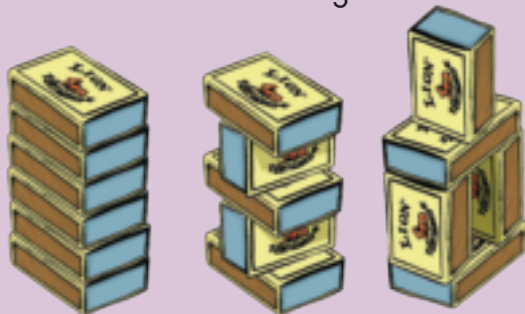
Hezwi zwi do konadzea



Dziṅwe dza thawara dza zwiḅogisi zwa metshisi khedzi.

Ni tea u vha na:

Zwiḅogisi zwa metshisi

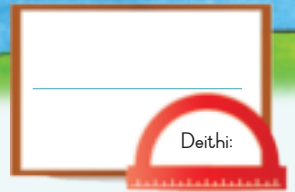


Zwine na tea u ita:

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



Teacher: _____
Sign: _____
Date: _____



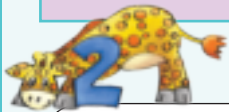
Muṭanganyo na muṭuso hafhu 0 – 75

Themo ya 3



Ṭanganyani nomboro dzi re tshibulokoni tshinwe na tshinwe ni riwale phindulo.

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



Ṭanganyani.

$$52 + 21$$

$$43 + 28$$



Fhedzisani.

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

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

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



Ṭanganyisani.

$$41 + 10 = \square$$

$$44 + 10 = \square$$

$$71 + 10 = \square$$



Ṭhanganyelo 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).

$5 \quad 70$	$2 \quad 60$	$7 \quad 50$	$9 \quad 30$
$3 \quad 40$	$1 \quad 20$	$6 \quad 10$	$5 \quad 10$
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



Nwalani mbalo ya zwi tevhelaho.

- =

- =



Tusani:

$65 - 23$

$72 - 29$



Bvisani

$61 - 10 = \square$

$42 - 10 = \square$

$37 - 10 = \square$

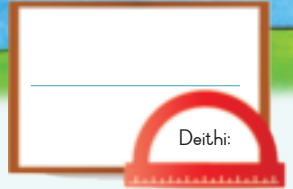


Olani tshifanyiso tshi no sumbedza uri Palesa o vha e na mimavhulu ya 62 a xedza ya 21.



Ho sala mimavhulu mingana? _____

Teacher: _____
Sign: _____
Date: _____

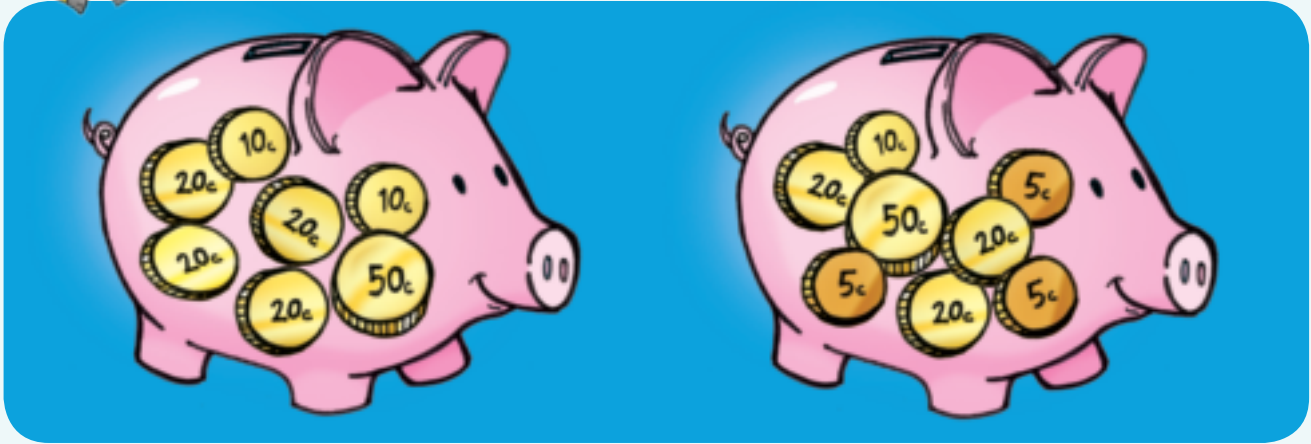


Tshelede hafhu



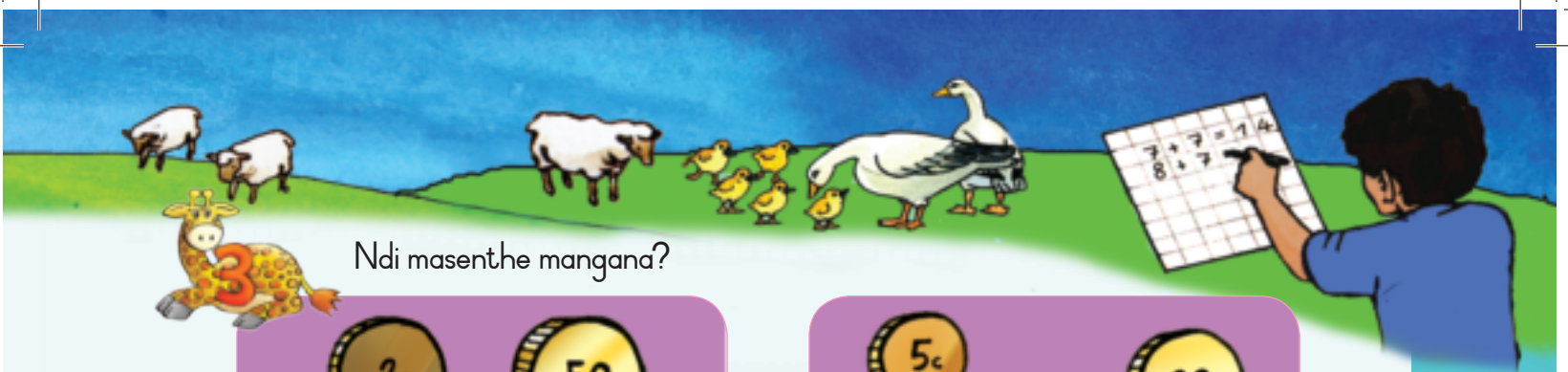
Ndo vhulunga vhugai?

Themo ya 3

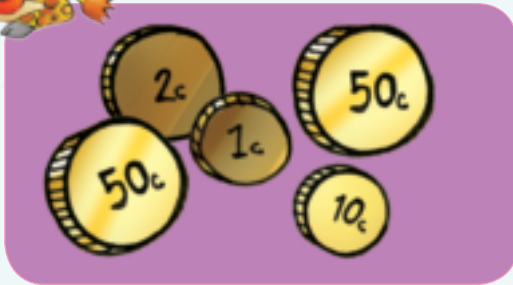


Shumisani khoini dzi no bva kha Tshigeriwa 3 ni nambatedze mitengo yone hafha.

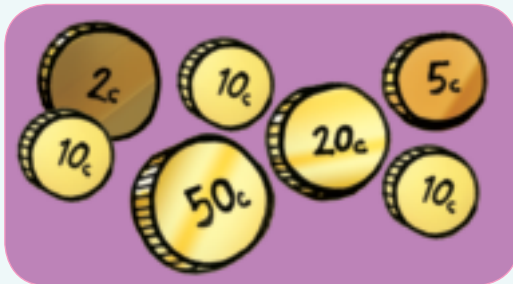
	
	
	



Ndi masenthe mangana?















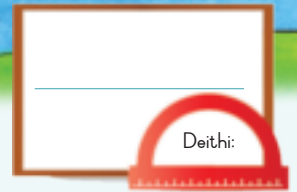
Mbalo dza maipfi:

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



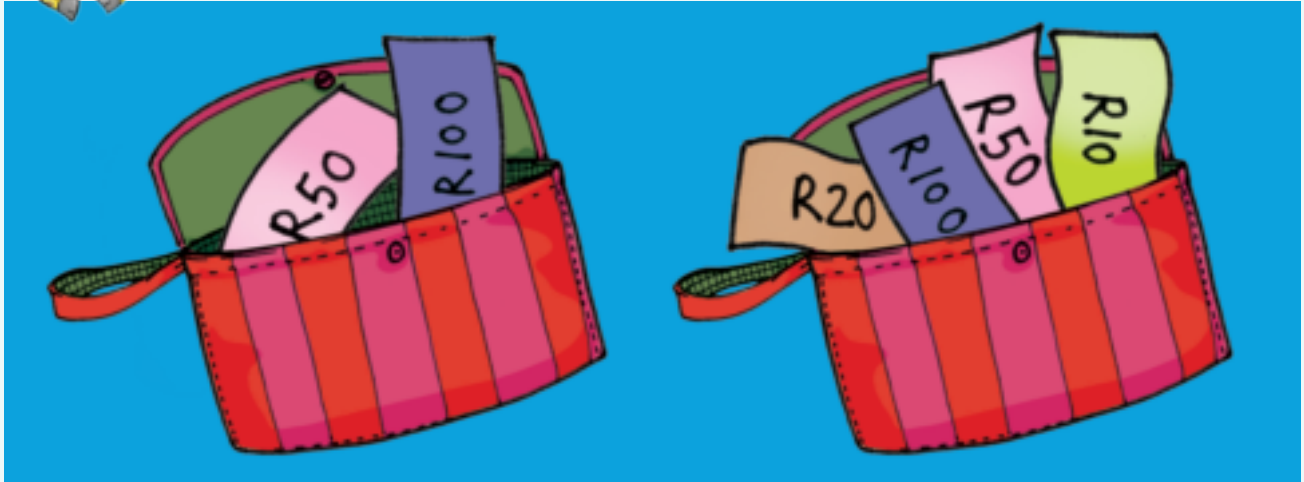
Teacher: _____
 Sign: _____
 Date: _____



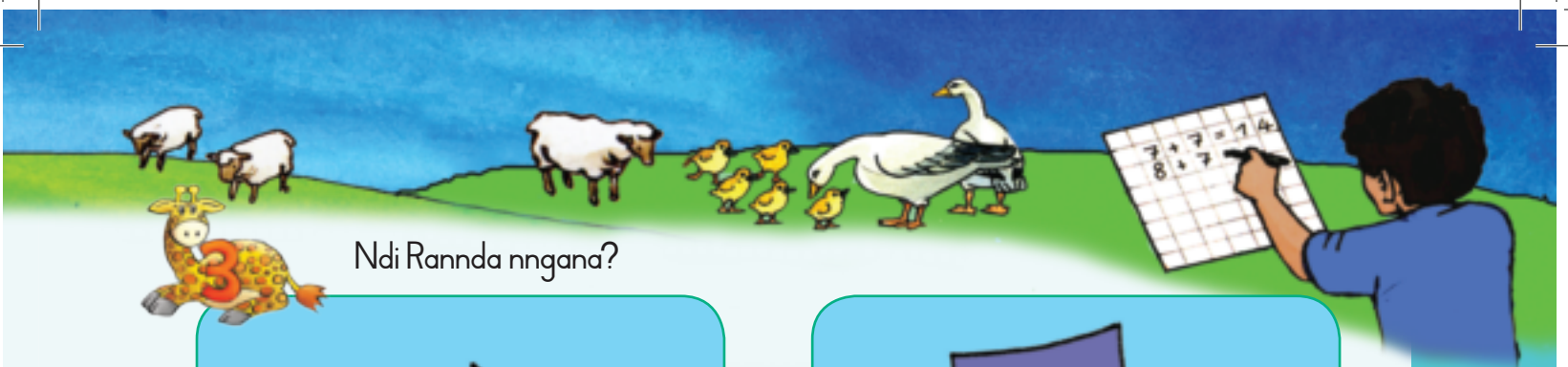
Tshelede ya dzinoutu hafhu

Ndi na vhugai pheseni?

Themo ya 3

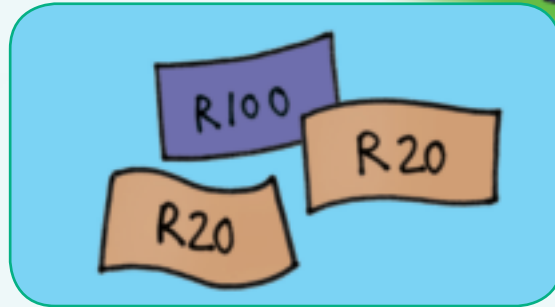


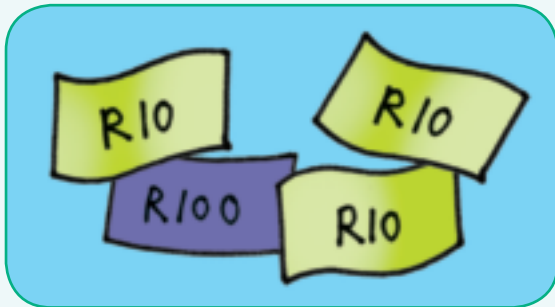
Shumisani dzinoutu dzi no bva kha Tshigeriwa 3 ni nambatedze mitengo yone hafha.

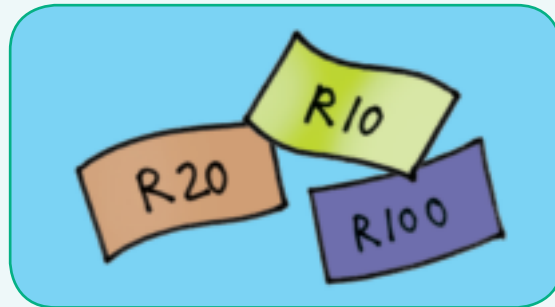


Ndi Rannda nngana?















Mbalo dza maipfi:

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

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



Teacher: _____
Sign: _____
Date: _____

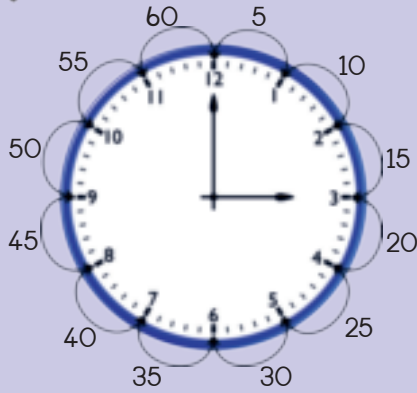
80

Phetheni dza zwifhinga

Deithi:

Ambani nga watshi.

Themo ya 3



Watshi i na maṅanga mavhili.

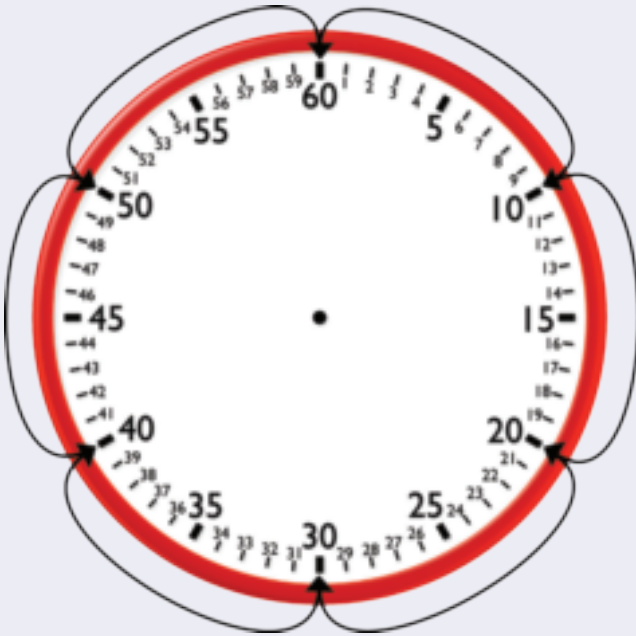
Luṅanga lupfufhi lu ri sumbedza awara.

Luṅanga lulapfu lu ri sumbedza miminete.

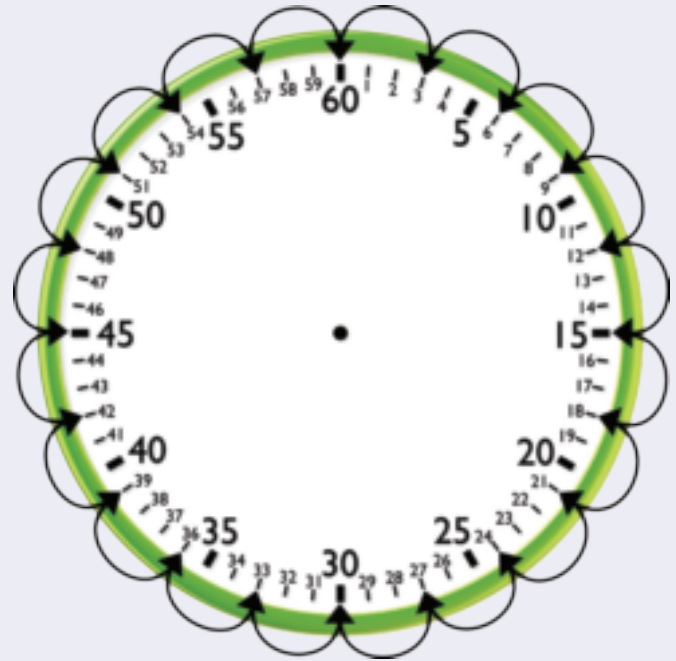
Afha ri ri ndi awara ya 3 (ya vhuraru)



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



10 _____

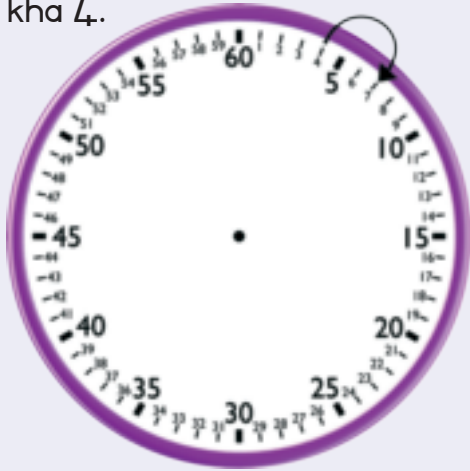


3, _____



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: _____

Awara na miminete

Deithi:



Ambani nga watshi.



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

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

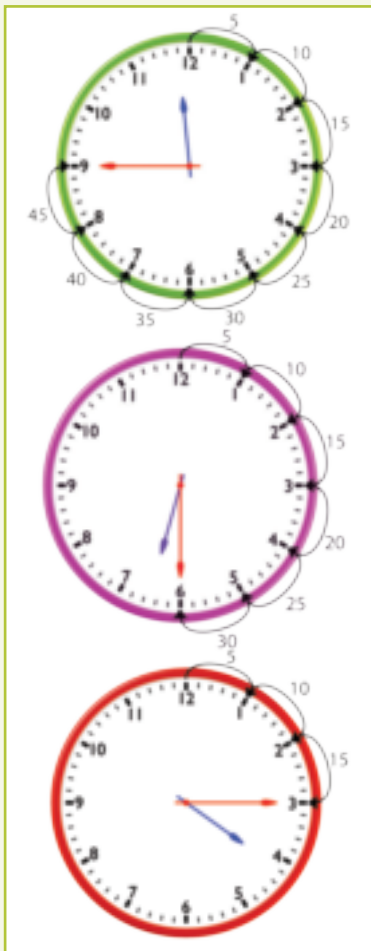
Ri ri ndi kotara u bva kha awara ya vhuraru.

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

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



Ndi tshifhingade?



Luṅanga lupfufhi lu ri sumbedza _____.

Luṅanga lulapfu lu ri sumbedza uri ndi _____.

Ri ri ndi _____.

Luṅanga lupfufhi lu ri sumbedza _____.

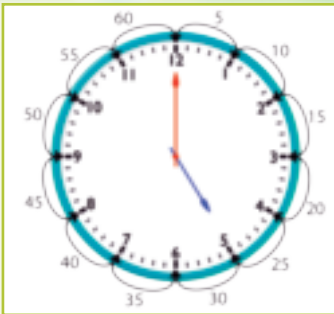
Luṅanga lulapfu lu ri sumbedza uri ndi _____.

Ri ri ndi _____.

Luṅanga lupfufhi lu ri sumbedza _____.

Luṅanga lulapfu lu ri sumbedza uri ndi _____.

Ri ri ndi _____.



Luṅanga lupfufhi lu ri sumbedza _____.

Luṅanga lulapfu lu ri sumbedza uri ndi _____.

Ri ri ndi _____.



Olani luṅanga lulapfu na luṅanga lupfufhi.

Kotara u bva kha awara ya vuvhili.



Hafu u bva kha awara ya vhuṭahe.



Awara ya vuhfumi.



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: _____

Miminete na awara

Deithi:



Ambani nga watshi.



Luṅanga lupfufhi lu tsini na 3.

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

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

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

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



Ndi tshifhingade?



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 _____.



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 _____.



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 _____.



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 _____.

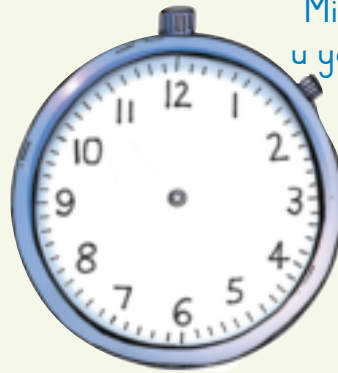


Olani luṅanga lulapfu na luṅanga lupfufhi.

Minete miṅanu u
ya kha awara ya
vhumalo.



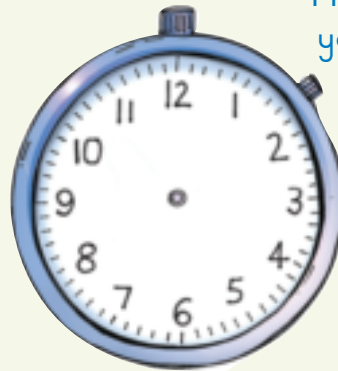
Minete ya fumbili
u ya kha awara ya
vhuraru.



Minete miṅanu 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: _____

Muṭanganyomudovhololwa (ndovhololo ya muṭanganyo)

Deithi:

Themo ya 3

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



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

Ndi nga i ṅwala sa
 $5 + 5 + 5 = 15$
kana $3 \times 5 = 15$

Ndi nga i ṅwala
 $2 + 2 + 2 = 6$ kana
 $3 \times 2 = 6$



Lavhelesani zwiputo zwa 3 zwi re na maḷegere:

- ṅwalani mbalo ya u ṭanganya ya tshinwe na tshinwe.
- ṅwalani mbalo ya muṭanganyo ya ḷinwe na ḷinwe.
- ṅwalani mbalo ya muandiso ya ḷinwe na ḷinwe.

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



Fhungo: zwigwada zwivhili zwa 2

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

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

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



Fhungo: _____

Mbalo ya muṭanganyo: _____

Mbalo ya muandiso: _____

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

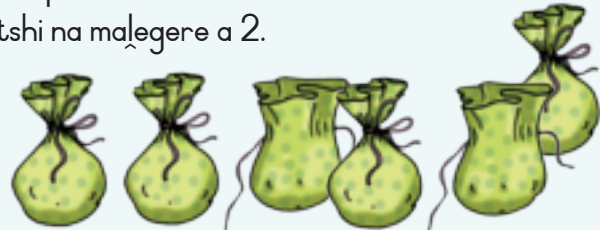


Fhungo: _____

Mbalo ya muṭanganyo: _____

Mbalo ya muandiso: _____

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



Fhungo: _____

Mbalo ya muṭanganyo: _____

Mbalo ya muandiso: _____



Kha ri lingedze ri

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

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



Fhungo: zwigwada zwa 7 zwa 4

Mbalo ya muḽanganyo:

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

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



Fhungo: _____

Mbalo ya muḽanganyo: _____

Mbalo ya muandiso: _____



Fhungo: _____

Mbalo ya muḽanganyo: _____

Mbalo ya muandiso: _____



Fhungo: _____

Mbalo ya muḽanganyo: _____

Mbalo ya muandiso: _____



Fhedzisani thebuḽu ya muandiso.

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

Ndi na mabogisi maḽanu a re na mafini mbili kha ḽinwe na ḽinwe. Hu na mafini nngana dzo ḽangana dzoḽhe?



Ndi na mabogisi maḽa a re na khekhe dza khaphu ḽhanu kha ḽinwe na ḽinwe. Hu na khekhe dza khaphu nngana dzo ḽangana dzoḽhe?

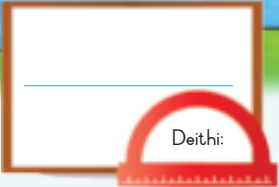


Ndi na mabogisi mararu a re na dounati nḽa kha ḽinwe na ḽinwe. Hu na dounati nngana dzo ḽangana dzoḽhe?





Teacher: _____
Sign: _____
Date: _____

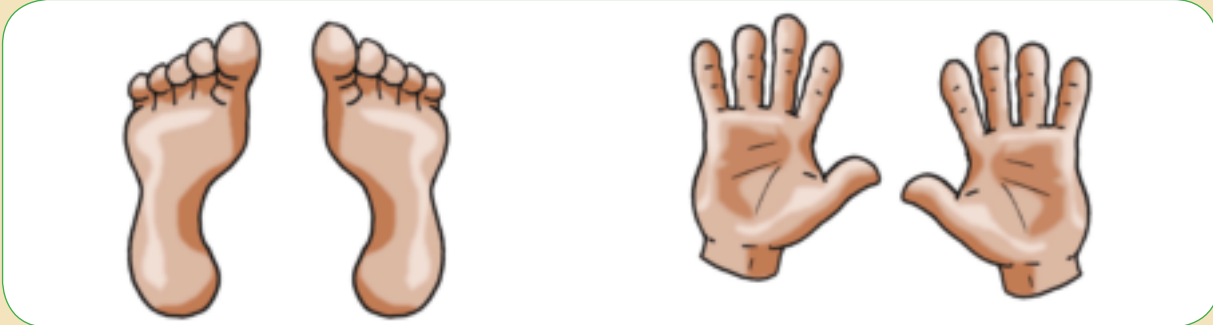


Andisani nga 5

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?



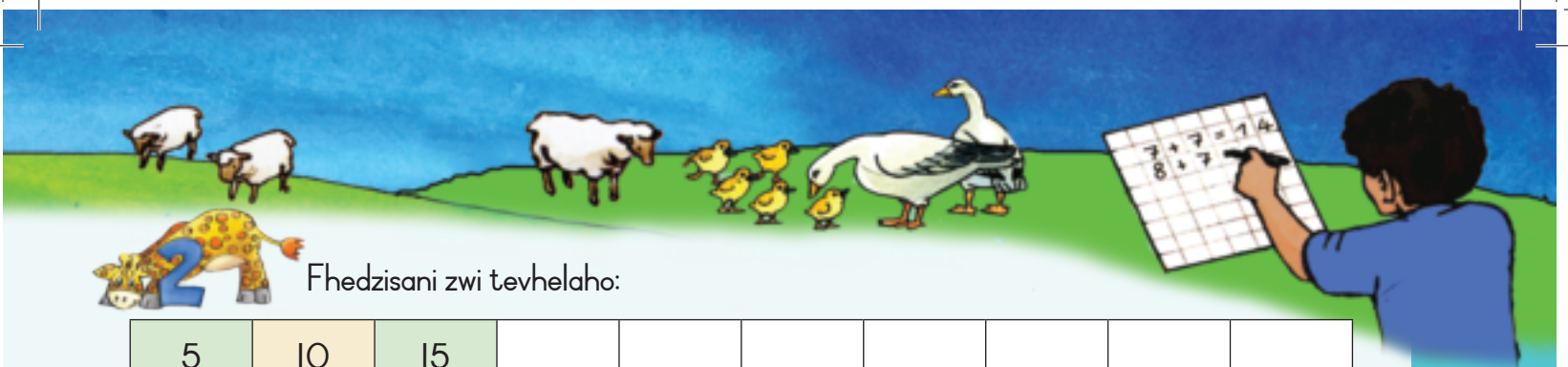
Fhedzisanani zwi tevhelaho:

	<input type="text"/>	×	<input type="text"/>	=	<input type="text"/>		<input type="text"/>	×	<input type="text"/>	=	<input type="text"/>
Zwikunwe kha mulenzhe muthihi			Milenzhe			Minwe kha tshanda tshithihi			Zwanda		

	<input type="text"/>	×	<input type="text"/>	=	<input type="text"/>		<input type="text"/>	×	<input type="text"/>	=	<input type="text"/>
Zwikunwe kha mulenzhe muthihi			Milenzhe			Minwe kha tshanda tshithihi			Zwanda		

	<input type="text"/>	×	<input type="text"/>	=	<input type="text"/>		<input type="text"/>	×	<input type="text"/>	=	<input type="text"/>
Zwikunwe kha mulenzhe muthihi			Milenzhe			Minwe kha tshanda tshithihi			Zwanda		

	<input type="text"/>	×	<input type="text"/>	=	<input type="text"/>		<input type="text"/>	×	<input type="text"/>	=	<input type="text"/>
Zwikunwe kha mulenzhe muthihi			Milenzhe			Minwe kha tshanda tshithihi			Zwanda		







Fhedzisani zwi tevhelaho:

5	10	15							
---	----	----	--	--	--	--	--	--	--

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



Fhedzisani zwi tevhelaho:

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



Fhedzisani zwi tevhelaho:

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

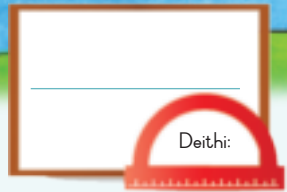
Teacher:

Sign:

Date:



Muandiso 2



Themo ya 3

Zwiṅoni zwoṭhe zwi na milenzhe ya 2.

Ṭhanganyelo ya milenzhe tshifanyisoni itshi ndi tshifhio?

Zwiṅoni zwoṭhe zwi na phapha dza 2.

Ṭhanganyelo ya phapha tshifanyisoni itshi ndi tshifhio?



Lavhelesani tshifanyiso ni fhedzise zwi tevhelaho.

maivha



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

Tshivhalo tsha maivha Milenzhe nga tshiṅoni

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

Tshivhalo tsha maivha Milenzhe nga tshiṅoni

masekhwa



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

Tshivhalo tsha masekwa Milenzhe nga tshiṅoni

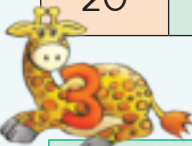
$$\boxed{} \times \boxed{} = \boxed{}$$

Tshivhalo tsha masekwa Milenzhe nga tshiṅoni



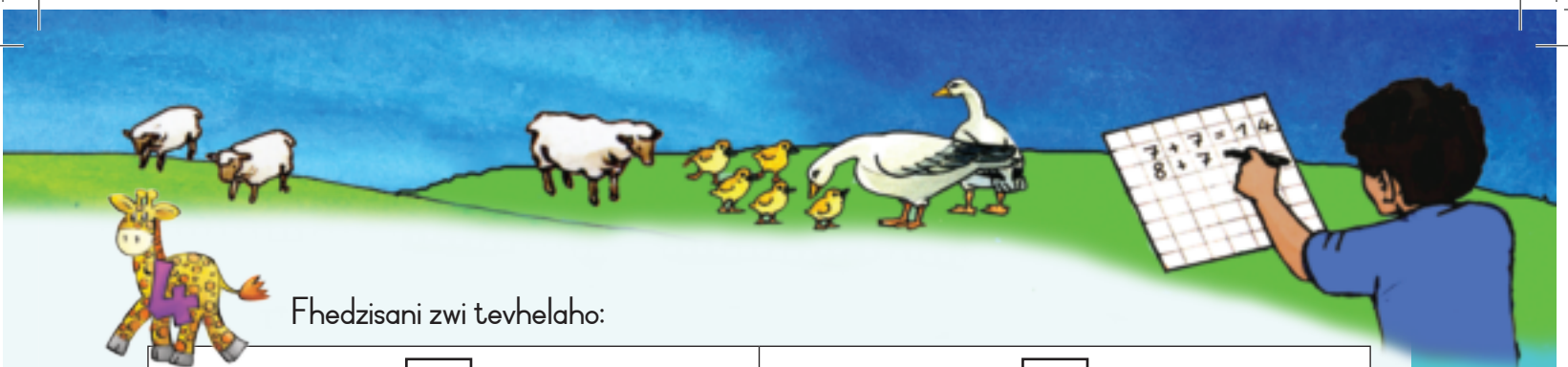
Fhedzisani zwi tevhelaho:

2	4	6							
20	18	16							



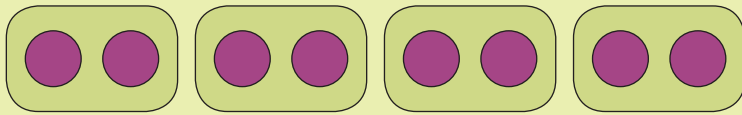
Fhedzisani zwi tevhelaho:

$5 \times$ = maapula a <input style="width: 50px; height: 25px;" type="text"/>	$4 \times$ = miomva ya <input style="width: 50px; height: 25px;" type="text"/>
$6 \times$ = miomva ya <input style="width: 50px; height: 25px;" type="text"/>	$7 \times$ = maapula a <input style="width: 50px; height: 25px;" type="text"/>



Fhedzisani zwi tevhelaho:

$12 \times 2 = \square$ $\begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \times 2$ $= \begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} + \begin{array}{ c } \hline 2 \\ \hline \end{array} \times 2$ $= \begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \times 2 + \begin{array}{ c } \hline 2 \\ \hline \end{array} \times 2$ $= 20 + 4$ $= 24$	$15 \times 2 = \square$ $\begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \times 2$ $= \square + \square \times \square$ $= \square \times \square + \square \times \square$ $= \square + \square$ $= \square$
--	--



$2 + 2 + 2 + 2 = 8$

kana

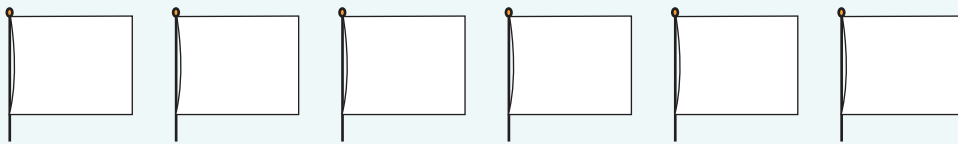
$4 \times 2 = 8$

kana

$8 \div 2 = 4$

Hetshi ndi tshiga tsha mukovho

Olani naledzi dza 2 kha fulaga inwe na inwe.



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

$_ \times _ = _$



Hu na zwiḅuloḅo zwingana kha mabaphathi aya a tshokoleithi?

$_ \times _ = _$

$_ \times _ = _$



Teacher: _____
 Sign: _____
 Date: _____

Kotara u bva kha

Deithi:



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: _____

Tshifhinga tshi a tshimbila

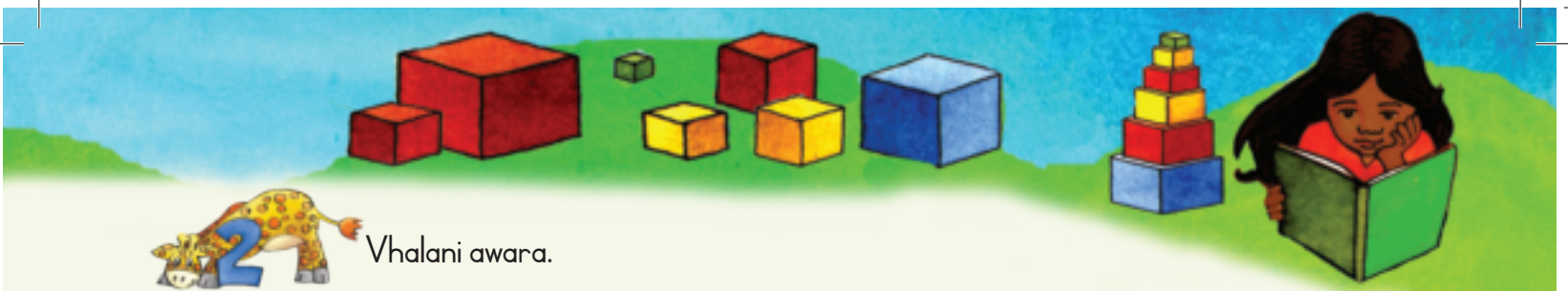
Deithi:

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?



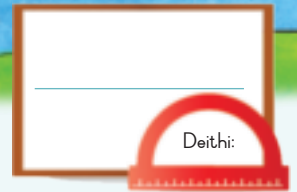
Ndalamo o vha o ya u rea khovhe na khotsi awe. Vho tuwa nga awara ya 4 nga matsheloni vha vhuya hayani nga awara ya 10. Vho tuwa awara nngana?



Teacher: _____

Sign: _____

Date: _____



U inga kavhili

Themo ya 3

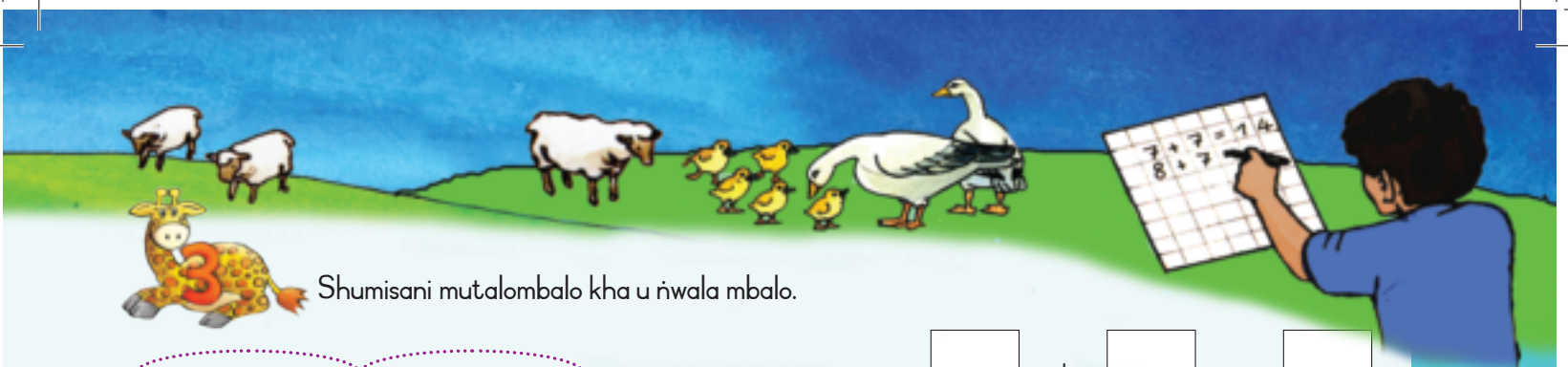


Lavhelesani tshifanyiso tsha u thoma na tsha vuvhili. Ho itea mini?



Engedzani zwithoma, ni riwale mbalo ya inwe na inwe.

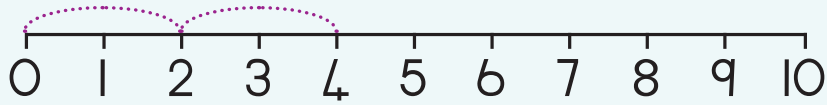
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input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



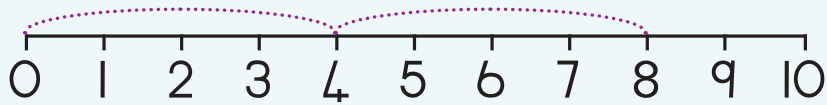
Shumisani mutalombalo kha u riwala mbalo.



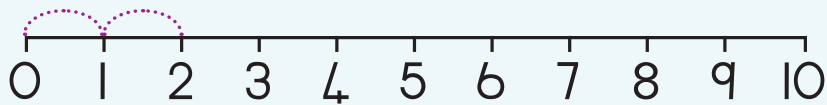
$$\square + \square = \square$$



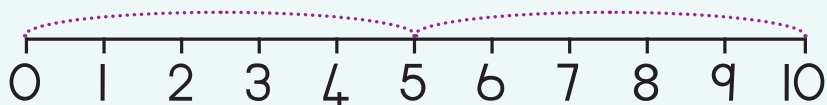
$$\square + \square = \square$$



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



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



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



Ingani kavhili zwi tevhelaho:

1 kavhili

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

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

2 kavhili

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

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

3 kavhili

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

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

4 kavhili

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

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

5 kavhili

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

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

Teacher: _____
 Sign: _____
 Date: _____





Deithi: _____

U inga kavhili ha u hafula

Themo ya 3



Lavhelesani zwifanyiso zwivhili. Itani tshiṭori tshaṅu.



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 maḷegere a 10 phaketheni.



Vhalani zwithu ni khalare hafu yazwo.

Vhalani

Hafu ndi

Vhalani

Hafu ndi



Fhedzisani zwi tevhelaho ni ole tshifanyiso.

16 yo ingwa
kavhili ndi

+



Fhedzisani.

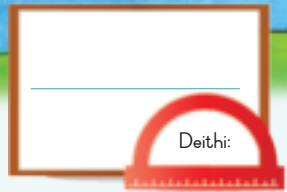
34			36	40
	22	19		

Teacher:

Sign:

Date:



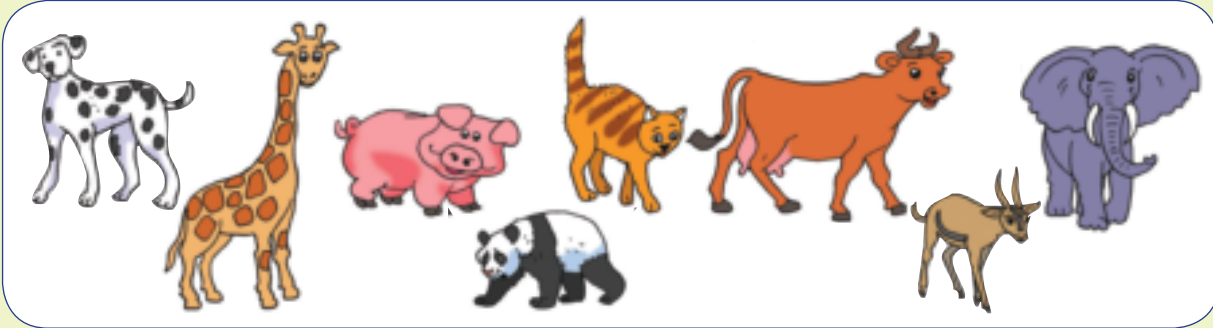


Muandiso muñwe hafhu

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

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

Tshivhalo tsha mmbwa Milenzhe nga tshipuka

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

Tshivhalo tsha mmbwa Nḁevhe nga tshihoni

Tshivhalo tsha phukha dza ḁaka

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

Tshivhalo tsha phukha Milenzhe nga tshipuka

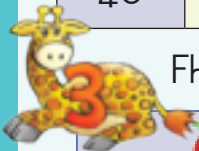
$$\boxed{} \times \boxed{} = \boxed{}$$

Tshivhalo tsha phukha Milenzhe nga tshipuka







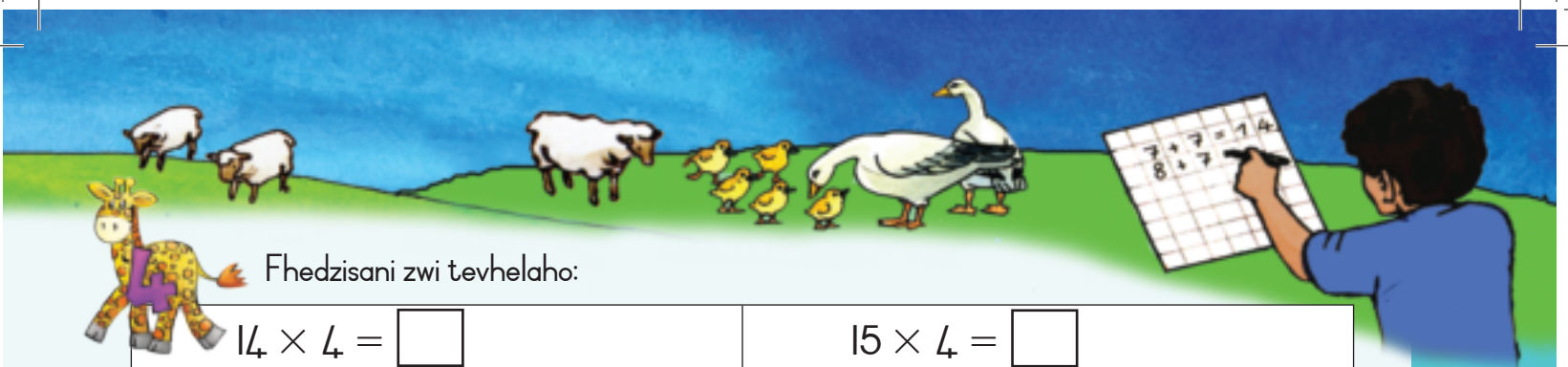
Fhedzisani zwi tevhelaho:

4	8	12							
40	36	32							



Fhedzisani zwi tevhelaho

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



Fhedzisani zwi tevhelaho:

$$\begin{aligned}
 14 \times 4 &= \square \\
 \begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} \begin{array}{|c|} \hline 4 \\ \hline \end{array} \times 4 \\
 &= \begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} + \begin{array}{|c|} \hline 4 \\ \hline \end{array} \times 4 \\
 &= \begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} \times 4 + \begin{array}{|c|} \hline 4 \\ \hline \end{array} \times 4 \\
 &= 40 + 16 \\
 &= 56
 \end{aligned}$$

$$\begin{aligned}
 15 \times 4 &= \square \\
 \begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} \begin{array}{|c|} \hline 5 \\ \hline \end{array} \times 4 \\
 &= \square + \square \times \square \\
 &= \square \times \square + \square \times \square \\
 &= \square + \square \\
 &= \square
 \end{aligned}$$



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 dzañu.

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:

Sign:

Date:

Phetheni dza nomboro

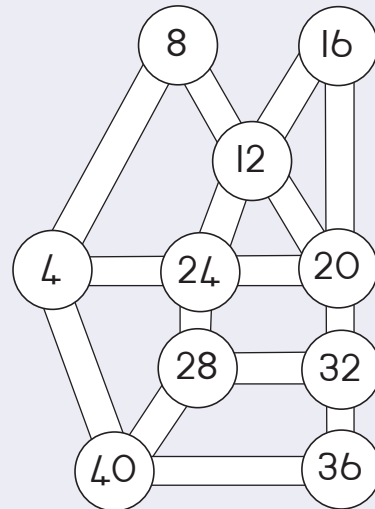
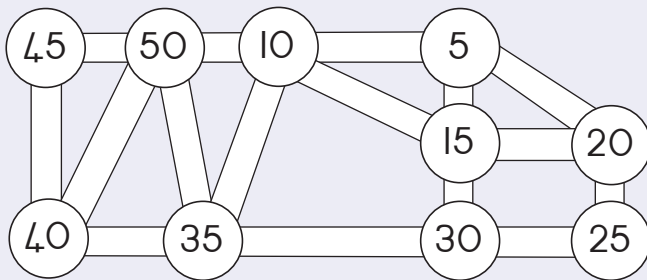
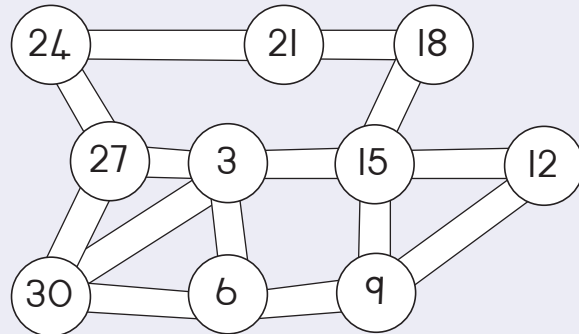
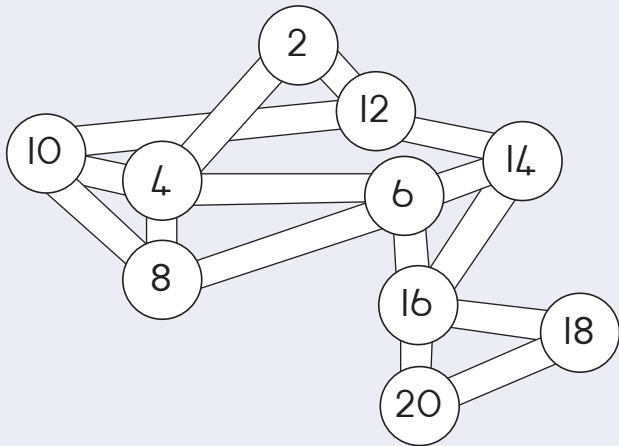
Deithi:

Themo ya 3

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




























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	---	---

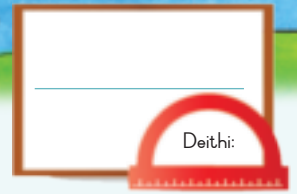


Teacher: _____

Sign: _____

Date: _____

90

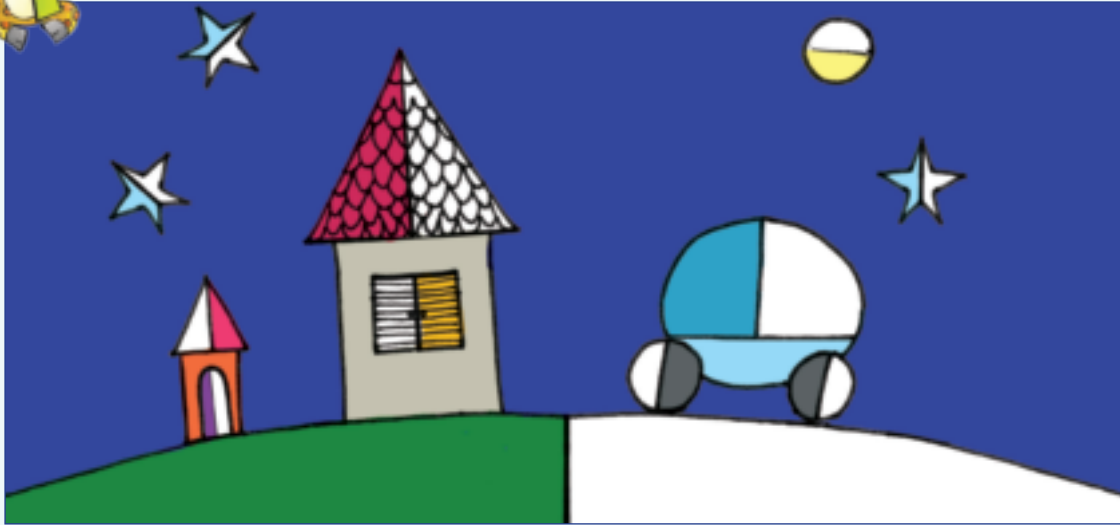


Furakhisheni (zwipida) – hafu

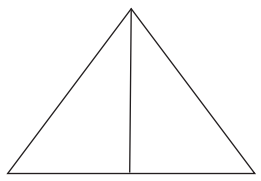
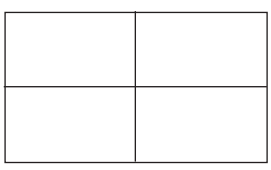
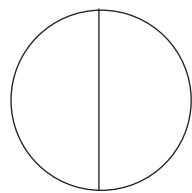
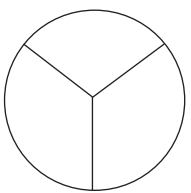
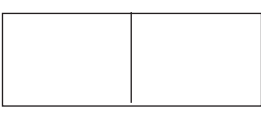

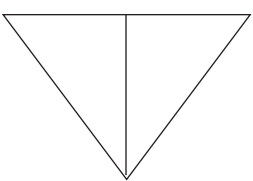
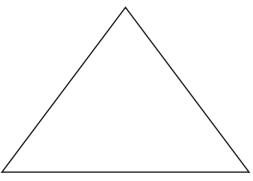
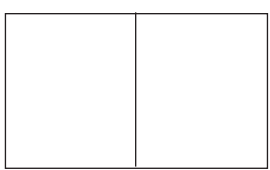
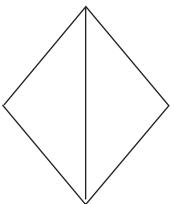
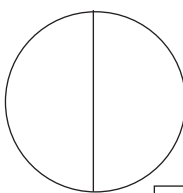

Themo ya 3



Lavhelesani tshifanyiso. Khaḷarani dzila dziḅwe hafu nga muvhala u no fana.

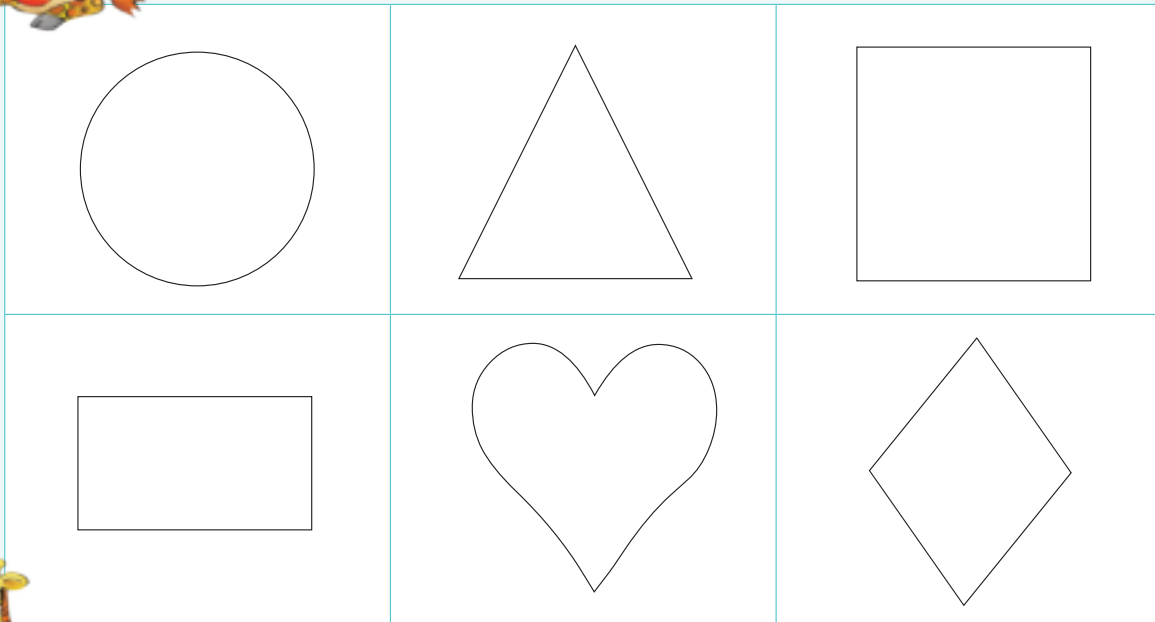


Lavhelesani tshifanyiso. Nwalani thiki kha zwivhumbeo zwi no sumbedza hafu. Khaḷarani hafu nthihi ya tshivhumbeo tshinwe na tshinwe tsha tsha fhandukanywa tsha bva dzihafu.

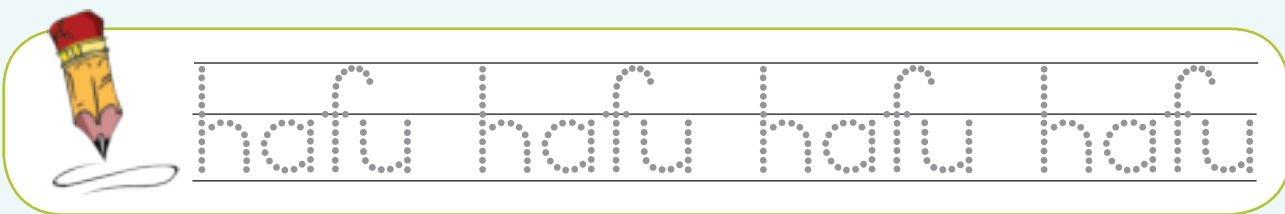
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>



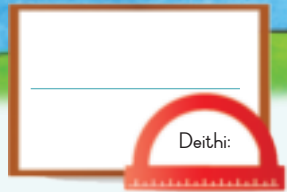
Khalarani hafu ya tshivhumbeo tshiñwe na tshiñwe.



Khalarani hafu ya zwipuka zwi re kha tshibuloko tshiñwe na tshiñwe



Teacher: _____
 Sign: _____
 Date: _____

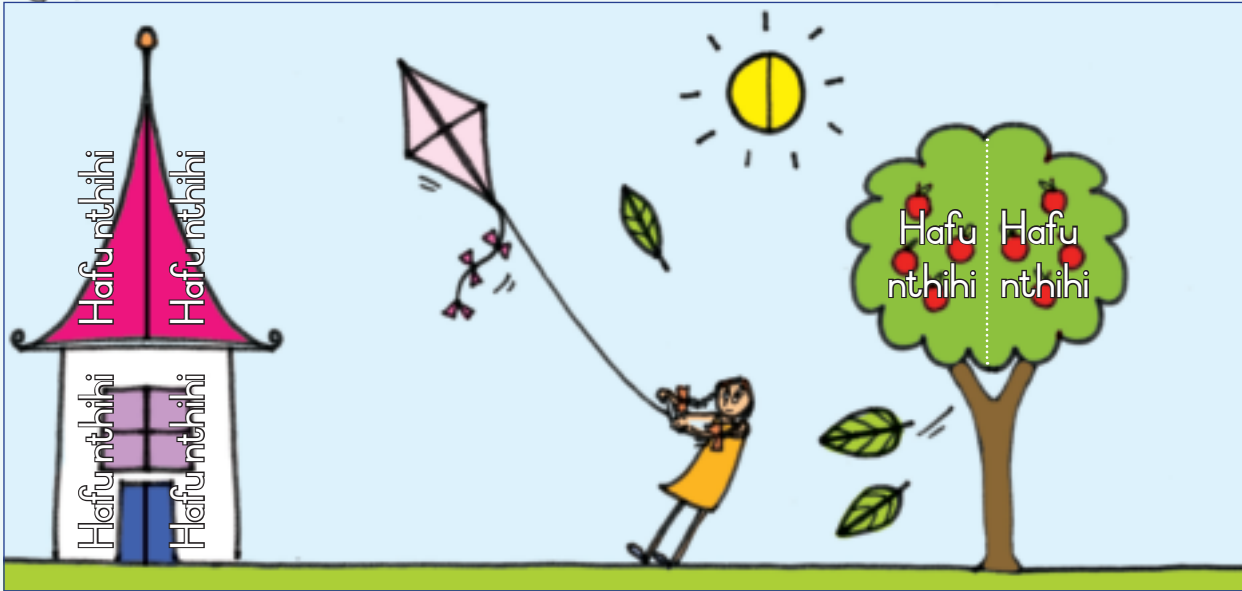


Furakhisheni – hafu dziñwe hafhu



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

Themo ya 3



Hafu nthihi ya maapula a re murini ndi .

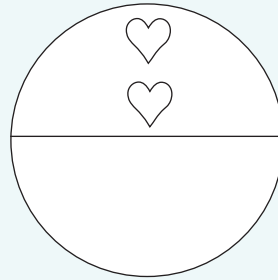
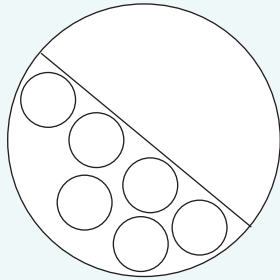
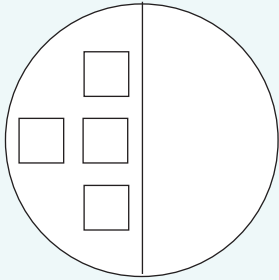
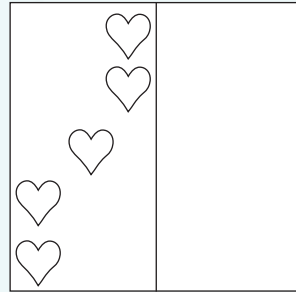
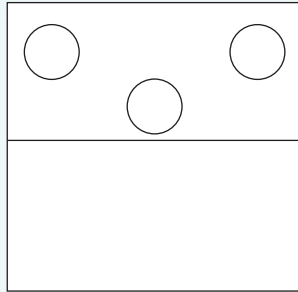
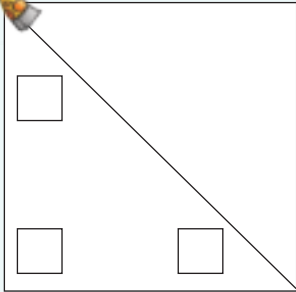


Khalarani hafu ya mitshelo kha tshigwada tshiñwe na tshiñwe.
Hafu ya tshivhalo tsha mitshelo i re kha tshigwada tshiñwe na tshiñwe ndi ifhio?

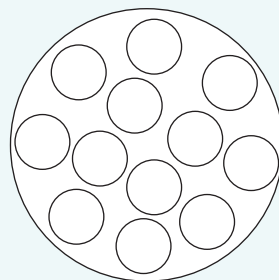
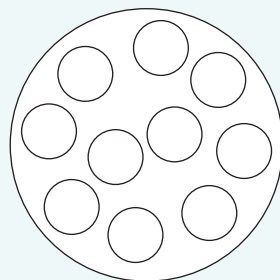
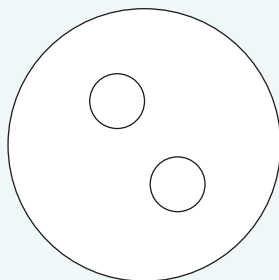
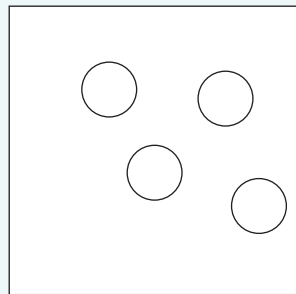
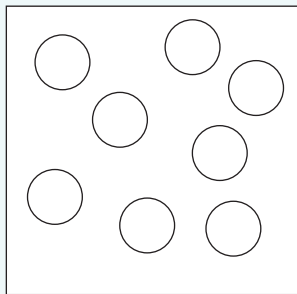
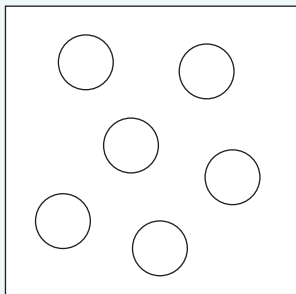
<input type="text"/> 	<input type="text"/> 	<input type="text"/>
<input type="text"/> 	<input type="text"/> 	<input type="text"/>



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 tshifhaṭo.



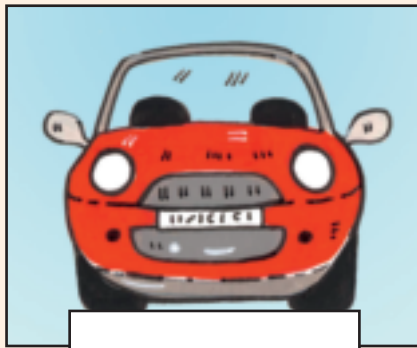
Mbonalo ya nga matungo ya tshifhaṭo.



Mbonalo ya nga nṭha ya tshifhaṭo.



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

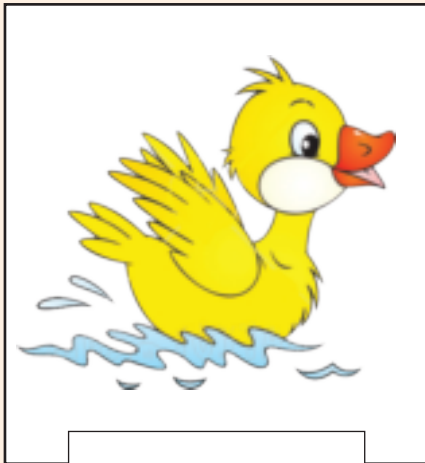


Nwalani maipfi aya kha tshifanyiso. Uyu muthu u khou vhona mini?

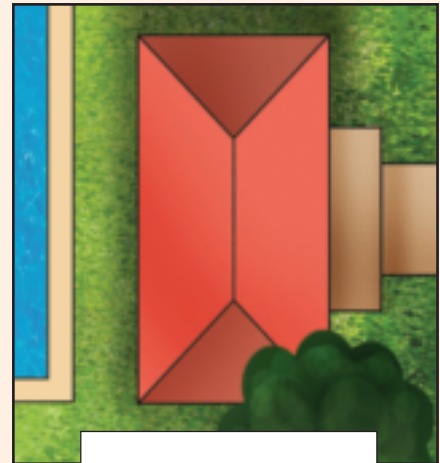
mbonalo ya nga phanda

mbonalo ya nga nṭha

mbonalo ya nga matungo

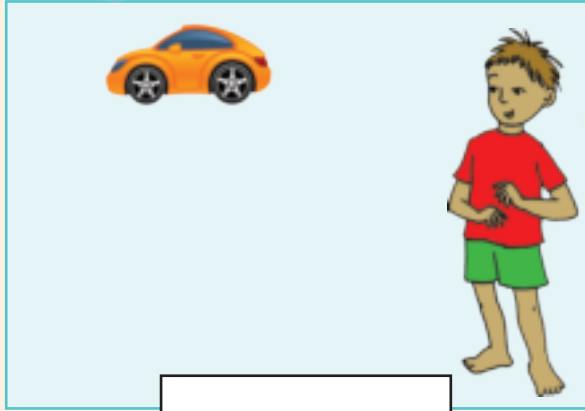


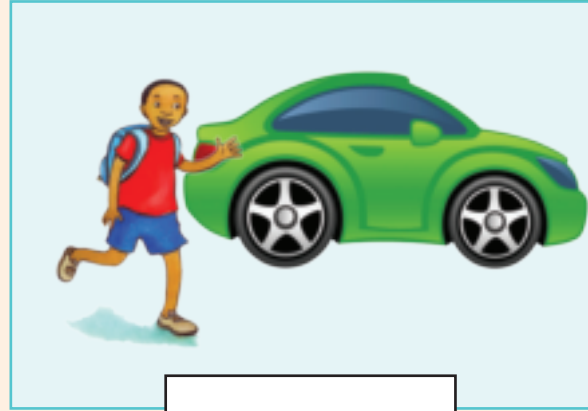


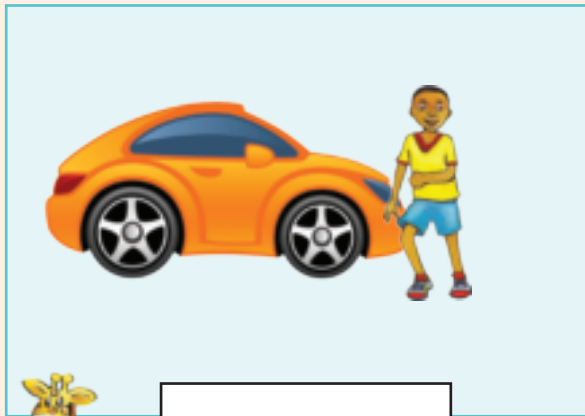


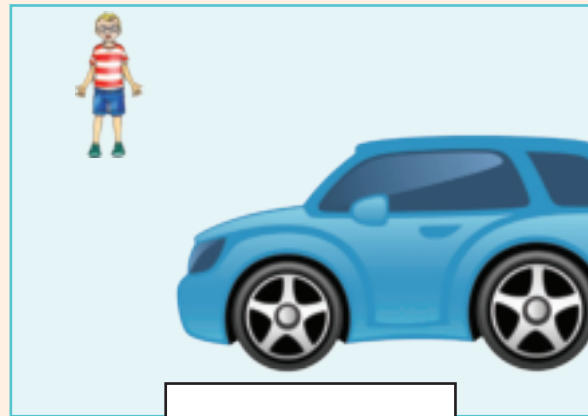


Bulani uri mođoro u tsini kana u kule na mutukana naa.



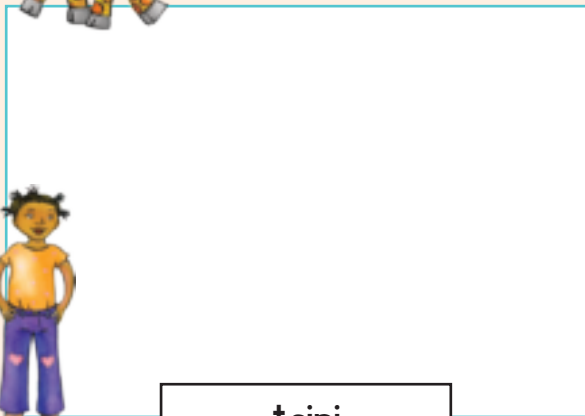


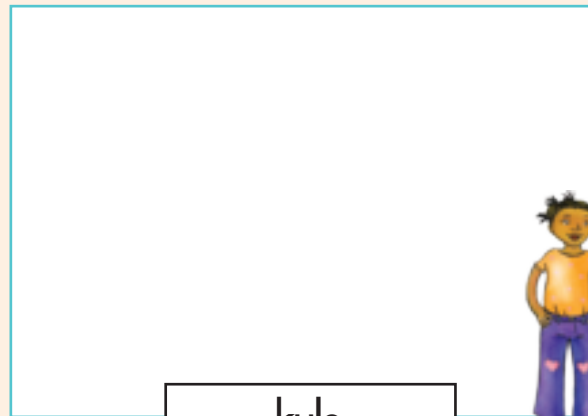






Olani muri u tsini kana kule na musidzana.







Itani nyito iyi:

- Lavhelesani zwithu zwivhili nga maṭo vhuvhili hao. Ni vhona mini?
- Thivhani liṭo liṭhihi nga tshanda, zwino ni vho vhona mini?



Teacher: _____

Sign: _____

Date: _____



Deithi:

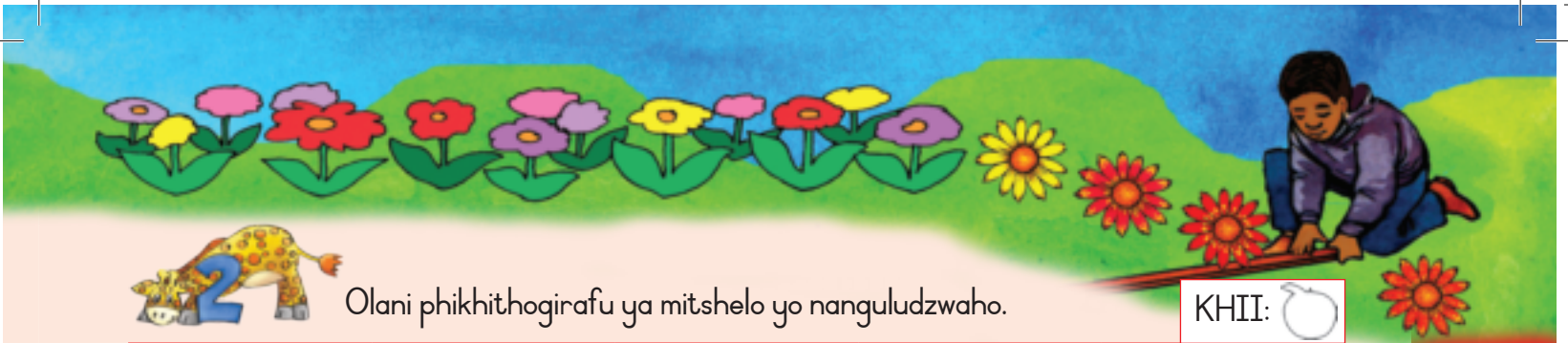
Data inwe hafhuhafhu



Nanguludzani mitshelo. Olani nyolo yaṅu ya u zwi sumbedza. Ṓwalani tḥhanganyelo 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?

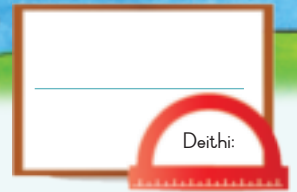
Ndi mutshelo ufhio u re mutuku?



Teacher: _____

Sign: _____

Date: _____



Furakhisheni – dzikota

Themo ya 3

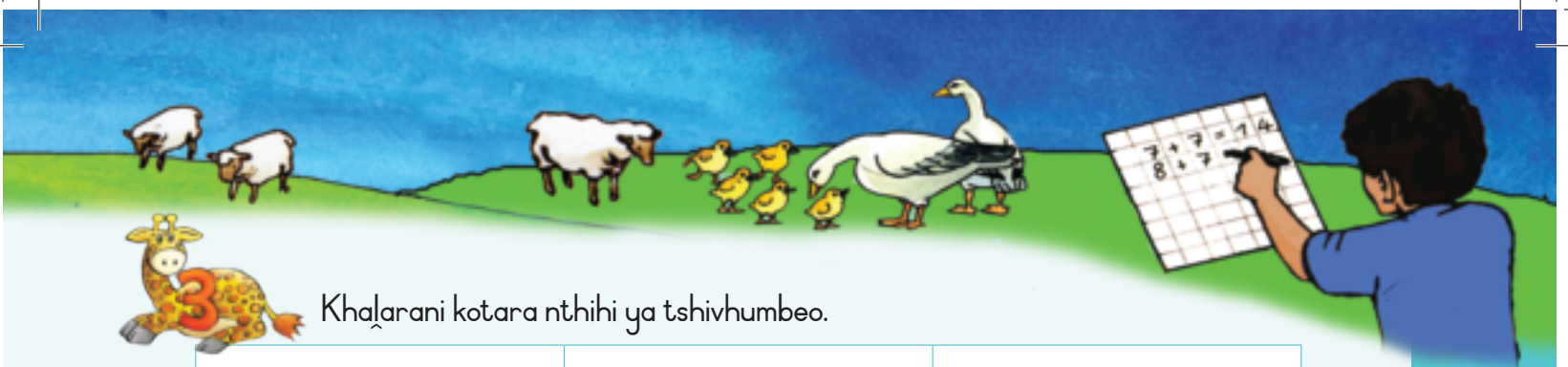


Khalarani kota ya u fhedza nga muvhala muthihi.



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

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



Khalarani kotara nthihi ya tshivhumbeo.



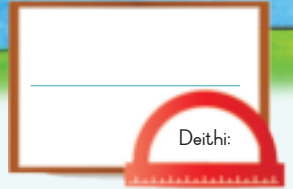
Khalarani kota nthihi ya tshigwada tshinwe na tshinwe tsha zwipuka.



kota kota kota



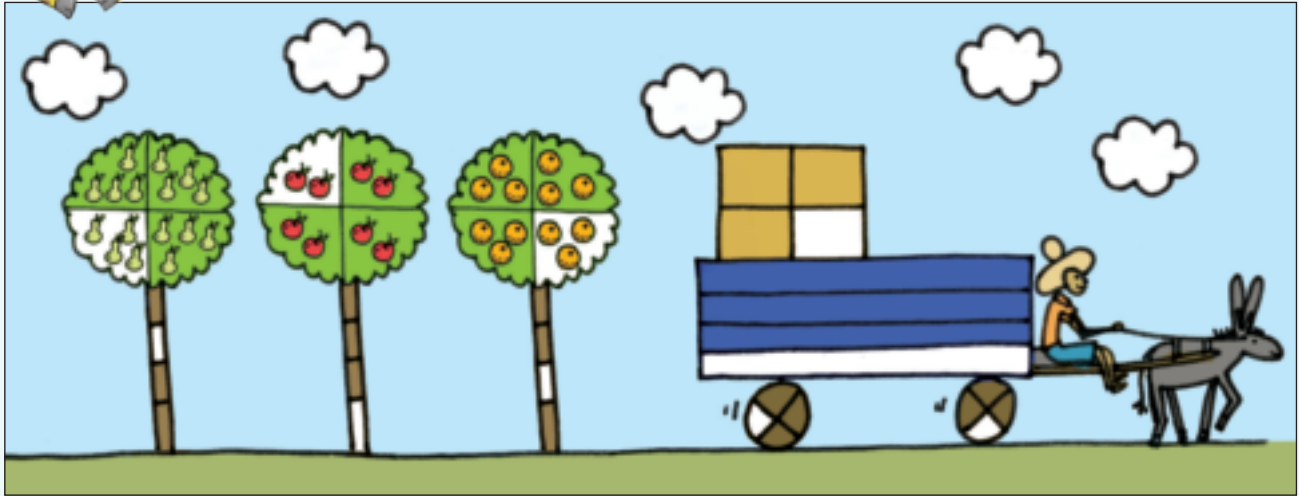
Teacher: _____
 Sign: _____
 Date: _____



Furakhisheni – kota dzinwe hafhu



Khalarani kota ya u fhedza nga muvhala muthihi.



Fhindulani zwi tevhelaho:

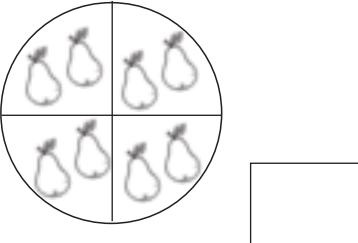
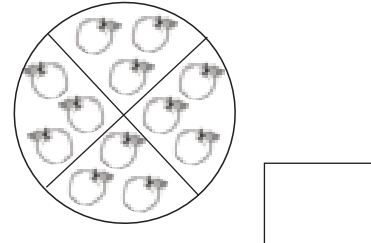
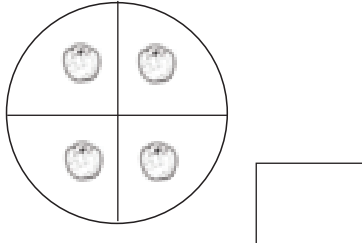
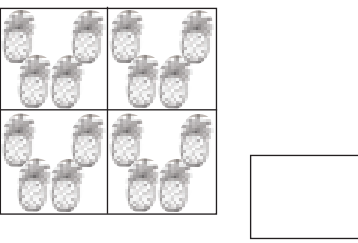
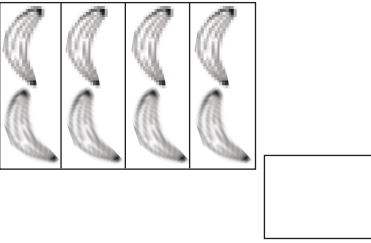
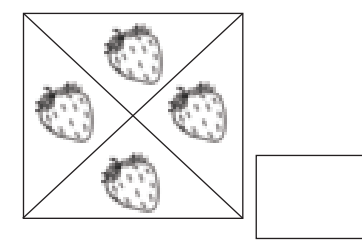
kota nthihi ya mapiere a re murini ndi _____.

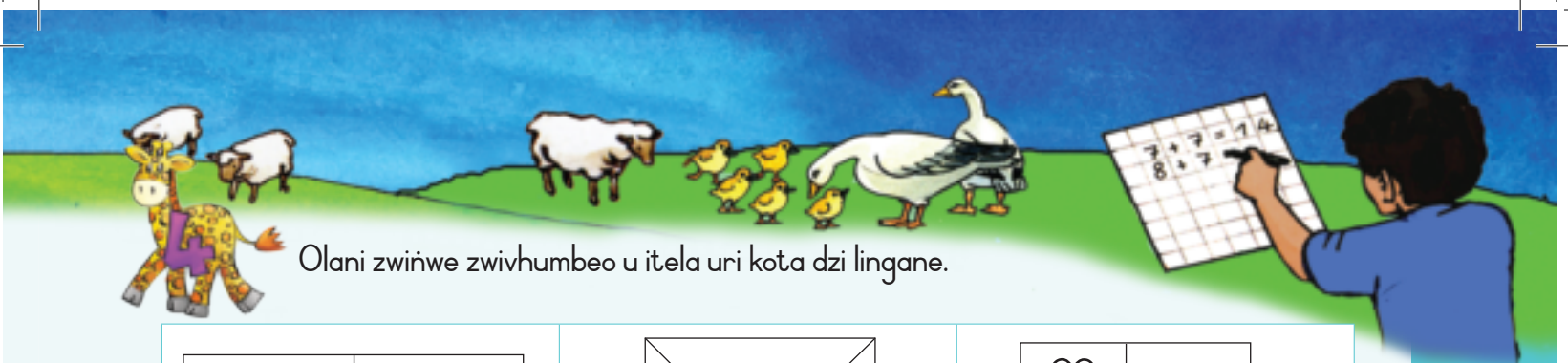
kota nthihi ya maapula a re murini ndi _____.

kota nthihi ya maswiri a re murini ndi _____.



Khalarani $\frac{1}{4}$ nthihi ya mitshelo tshigwadani tshinwe na tshinwe. Themo ya tshivhalo tsha mitshelo kha tshigwada tshinwe na tshinwe 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.

	<input type="checkbox"/>		<input type="checkbox"/>	hafu nthihi	<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>	kota nthihi	<input type="checkbox"/>

 k o t a k o t a

○
 □
 △

Teacher: _____
 Sign: _____
 Date: _____

Nomborani phetheni nga zwivhumbeo

Deithi:

Livhanyani phetheni.

Themo ya 3

The blackboard contains two white panels. The left panel has four rows of colored shapes: red circles and triangles, purple squares, orange squares and triangles, and green circles and squares. The right panel has three rows of white shapes for tracing: squares, circles and triangles, and circles and triangles.

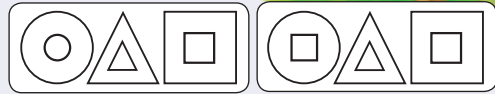


Kopololani phethini i tevhelaho.

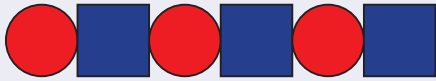
A series of horizontal bars for counting and tracing. The first bar contains a sequence of orange shapes: square, triangle, circle, square, triangle, circle, square, triangle, circle, square, triangle, circle, square. The second bar contains the same sequence in white for tracing. The third bar contains a sequence of purple shapes: square, triangle, circle, circle, square, triangle, circle, circle, square, triangle, circle, circle, square, triangle, circle, circle. The fourth bar contains the same sequence in white for tracing. The fifth bar contains a sequence of green shapes: rectangle, circle, triangle, rectangle, circle, triangle, rectangle, circle, triangle, rectangle, circle, triangle. The sixth bar contains a sequence of purple shapes: triangle, inverted triangle, triangle, inverted triangle, triangle, inverted triangle, triangle, inverted triangle, triangle, inverted triangle, triangle, inverted triangle, triangle, inverted triangle, triangle, inverted triangle, triangle, inverted triangle, triangle, inverted triangle, triangle, inverted triangle.



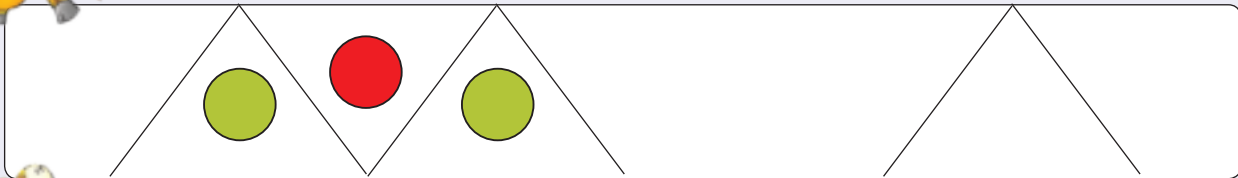
Khalarani phetheni i no tevhela.



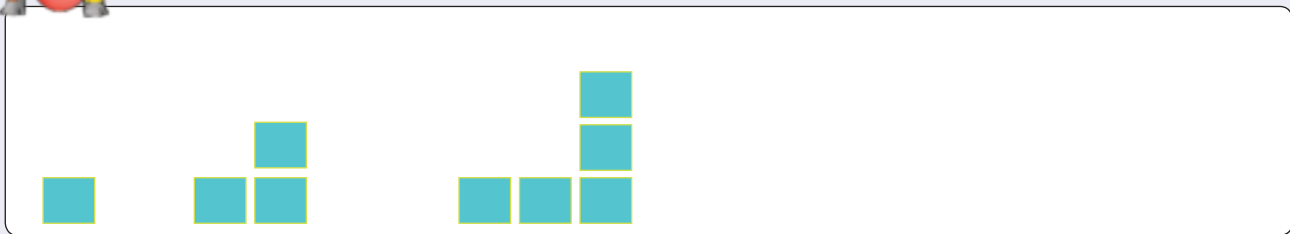
Olani phetheni i no tevhela.



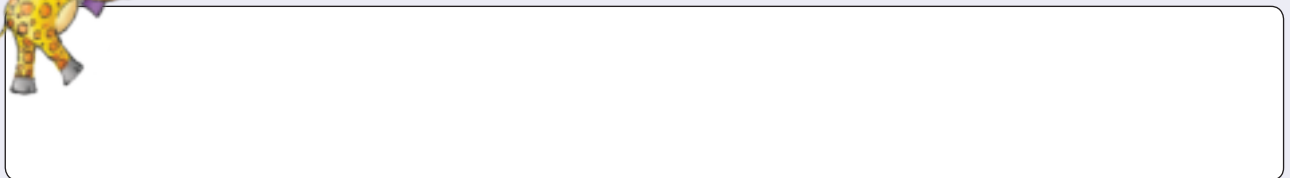
Tharamudzani phetheni.



Olani phetheni i no tevhela.



Olani phetheni yanu inwi muṅe.



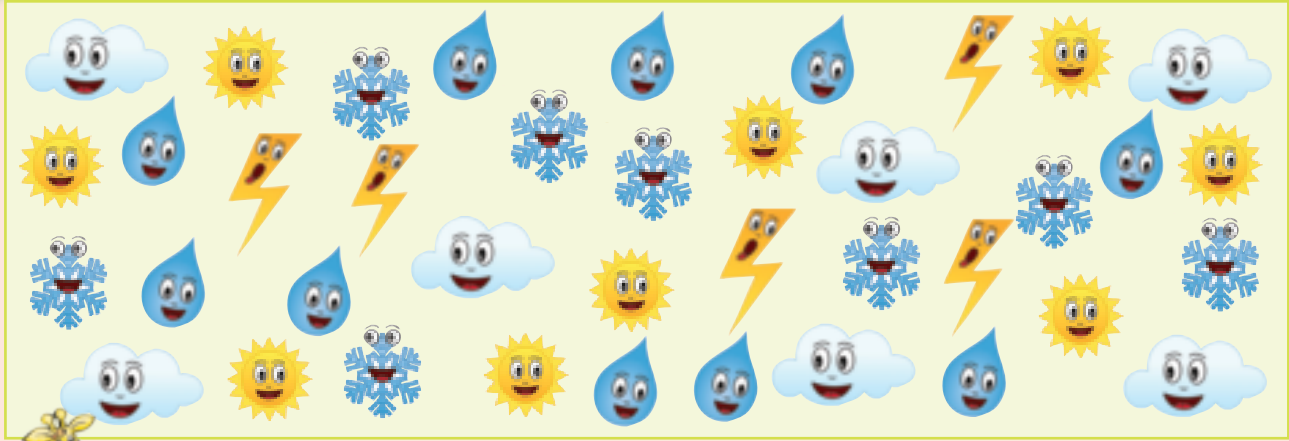
Teacher: _____
 Sign: _____
 Date: _____








U vhekanya data

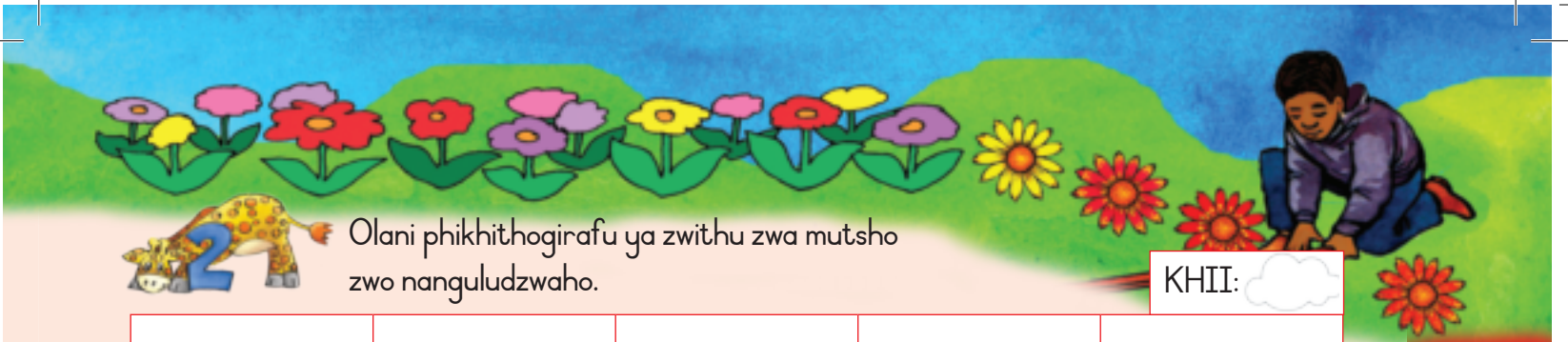
Deithi: _____

Themo ya 3








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

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



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?

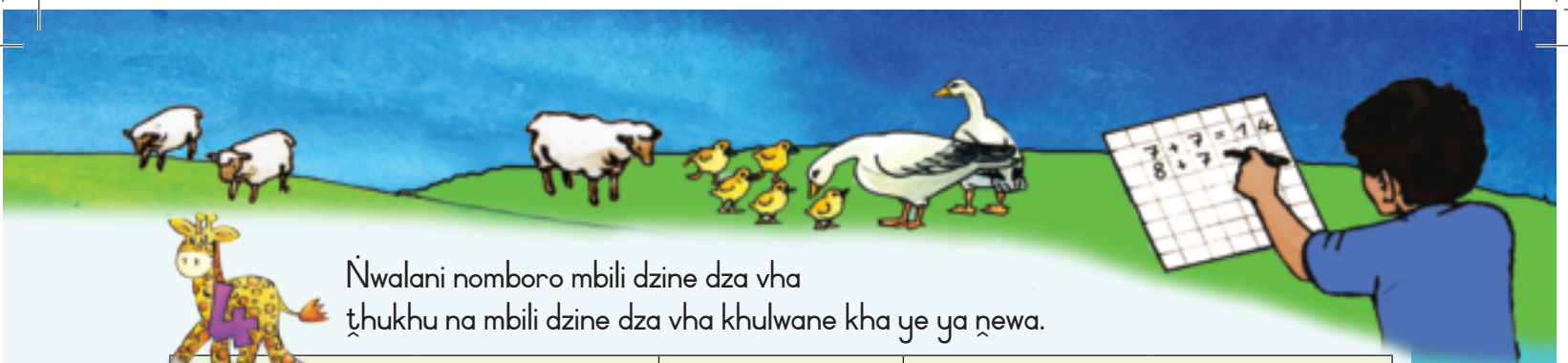
Zwi do rali kha mavundu othe?



Teacher: _____

Sign: _____

Date: _____

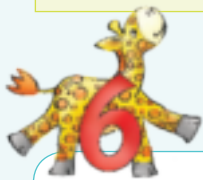
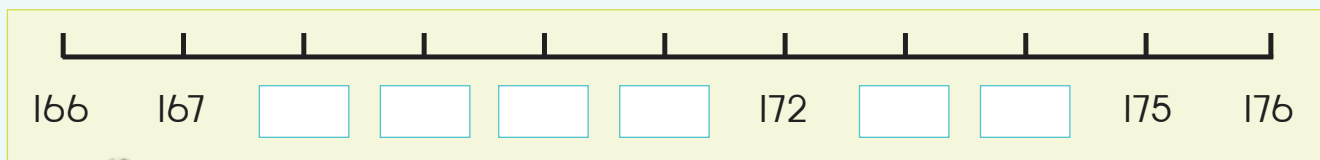
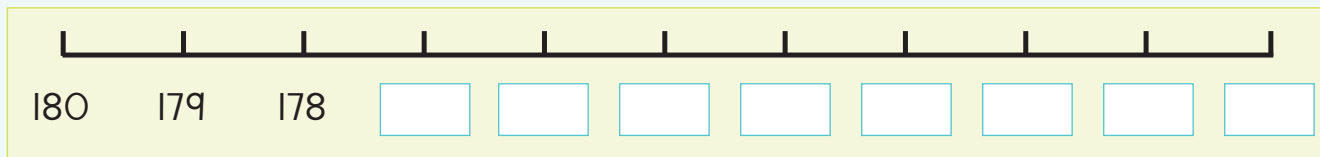
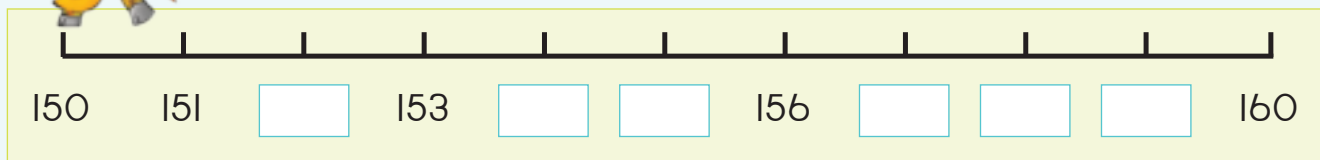


Ñwalani nomboro mbili dzine dza vha
 ʒhukhu na mbili dzine dza vha khulwane kha ye ya newa.

ʒhukhu	Nomboro	Khulwane
	157	
	165	
	178	
	161	
	174	



Fhedzisani mitalombalo iyi.



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

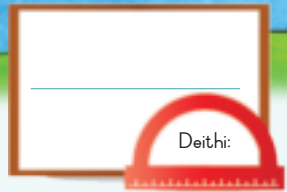


Teacher: _____

Sign: _____

Date: _____

98



Nomboro 170 – 200

Themo ya 4



Khalarani zwitendeledzi zwa 199.

○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○	1	0	0
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○	9	0	
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			9
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			



Nwalani nomboro ya:

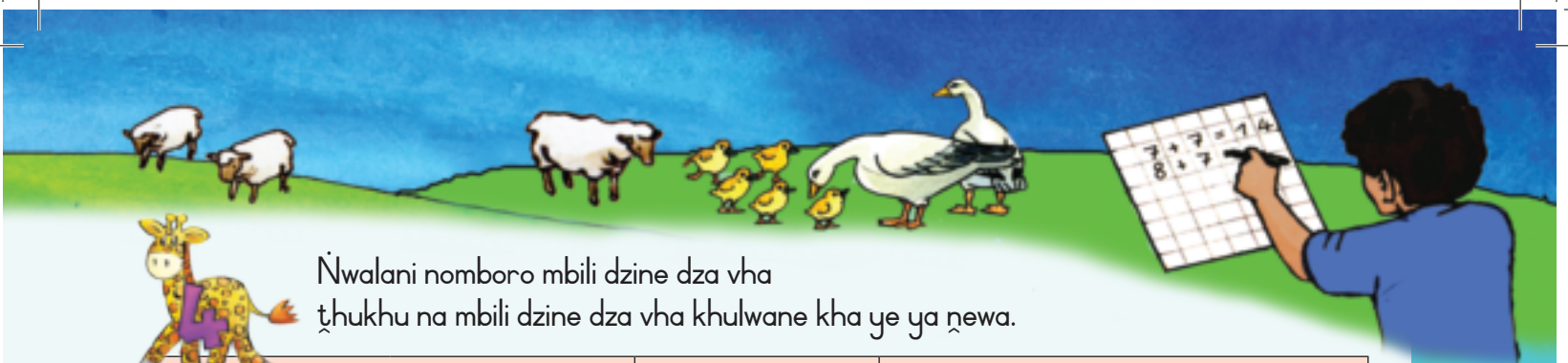
 $100 + 70 + 7 = 177$	 $=$	 $=$
 $=$	 $=$	 $=$



Ndi nomboro ifhio i no da vhukati ha:

- 170 na 175 _____
- 198 na 195 _____
- 180 na 175 _____
- 168 na 173 _____
- 200 na 196 _____



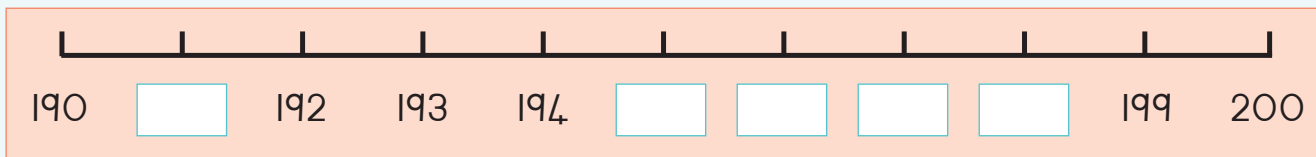
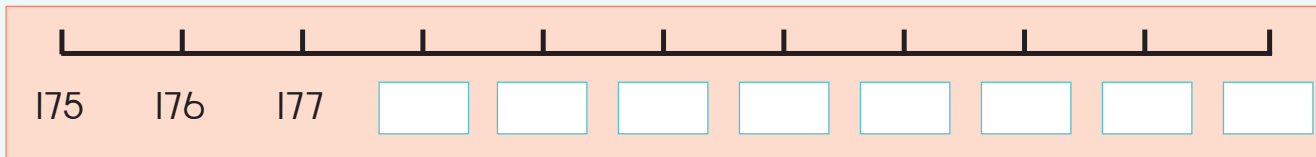
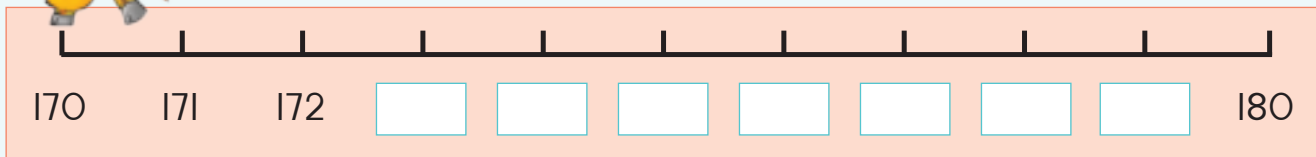


Ñwalani nomboro mbili dzine dza vha
ṭhukhu na mbili dzine dza vha khulwane kha ye ya newa.

Ṭhukhu		Nomboro	Khulwane	
		170		
		198		
		185		
		174		
		181		



Fhedzisani mitalombalo iyi.



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



Teacher: _____

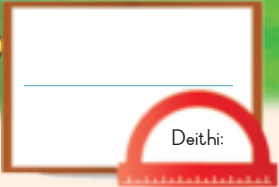
Sign: _____

Date: _____

99

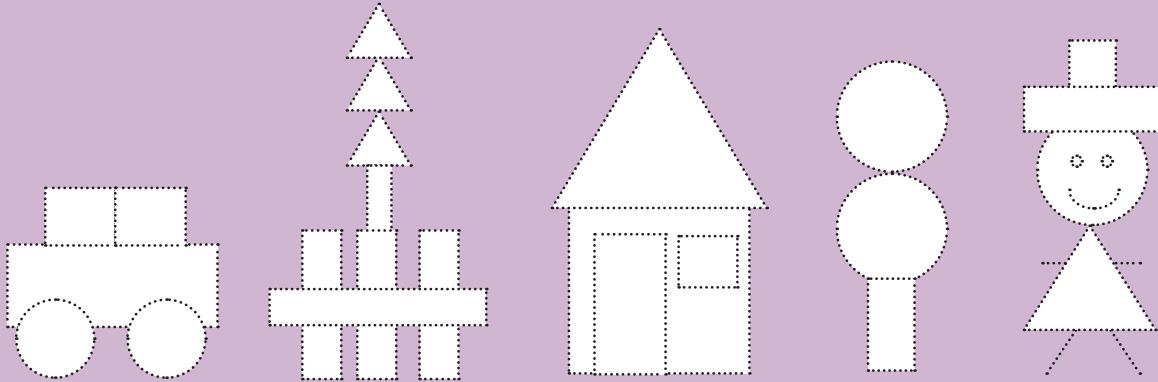


Zwivhumbeo zwa 2-D

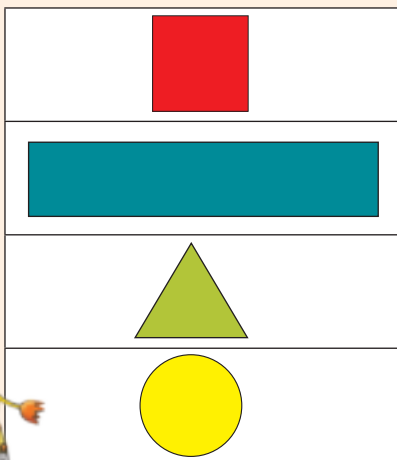


Themo ya 4

Tevhedzelani zwivhumbeo zwothe. Khaḷarani zwitendeledzi nga muvhala mutswuku, thiraiengele nga muvhala mudala, zwickwea nga wa ṭada na rekithiengele nga wa lutombo.



Livhanyani ipfi na tshivhumbeo.



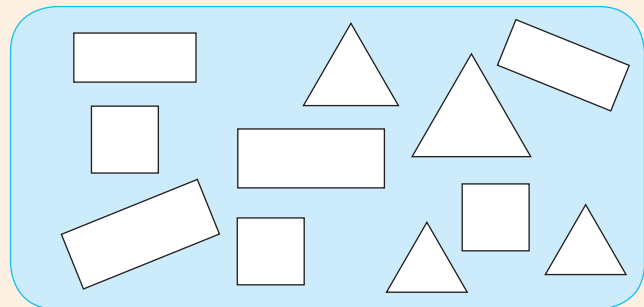
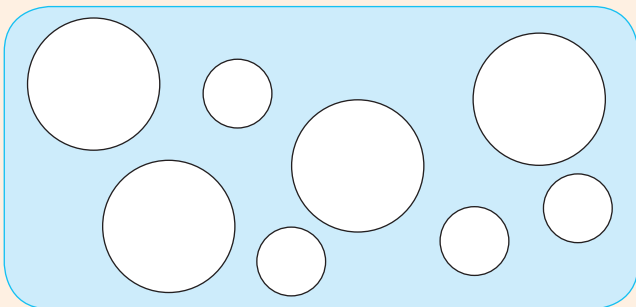
thiraiengele
tshitendeledzi
tshikwea
rekithiengele

Khaḷarani:

- Zwitendeledzi zwiḥlwane nga muvhala mutswuku
- Zwitendeledzi zwiṭuku nga muvhala wa ṭada

Khaḷarani:

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





Khalarani zwivhumbeo zwi no yelana na tshivhumbeo tsha u thoma.

Shape recognition and tracing practice for the number 3. It consists of four rows of shapes:

- Row 1: A purple rounded rectangle with a white right-pointing triangle, followed by a yellow rounded rectangle containing five white triangles pointing in various directions.
- Row 2: A purple rounded rectangle with a white diamond, followed by a yellow rounded rectangle containing five white diamonds of various orientations.
- Row 3: A purple rounded rectangle with a white rectangle, followed by a yellow rounded rectangle containing five white rectangles of various orientations.
- Row 4: A purple rounded rectangle with a white circle, followed by a yellow rounded rectangle containing five white circles of various sizes.



Olani tshifanyiso tsha inwi muṅe ni tshi shumisa zwikwea, rekithiengele, thiraiengele na zwitendeledzi.

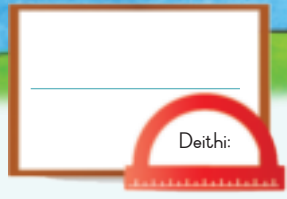
A large empty rounded rectangular box for drawing or writing.

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



Teacher: _____
 Sign: _____
 Date: _____

100



Nomboro 0 – 200

Themo ya 4



Ndi nomboro nngana dzo fhambananaho dzine na nga vhumba.

100	40	2
9	50	100
20	100	70
	1	8



Fhedzisani zwi tevhelaho.

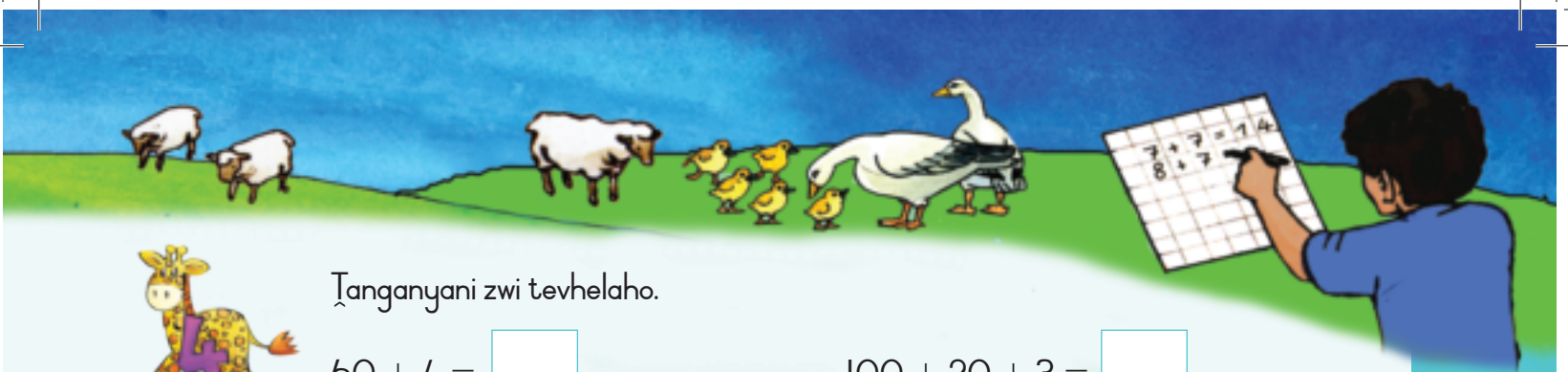
<p>100 40 9</p> $100 + 40 + 9 = \square$	<p>100 70 3</p> $100 + 70 + 3 = \square$	<p>100 20 8</p> $100 + 20 + 8 = \square$
<p>100 10 7</p> $100 + 10 + 7 = \square$	<p>100 90 2</p> $100 + 90 + 2 = \square$	



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

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





Ṭanganyani 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 ṭahelaho.

$70 + \square = 71$

$100 + \square + 3 = 153$

$30 + \square = 38$

$100 + \square + 9 = 169$

$60 + \square = 69$

$\square + 70 + 8 = 178$

$20 + \square = 24$

$100 + \square + 1 = 191$

$80 + \square = 85$

$100 + 50 + \square = 157$



Itani ṭhanganyelo dzaṅu inwi muṅe ni tshi shumisa maḍana, mahumi na dziyuniti.

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

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



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

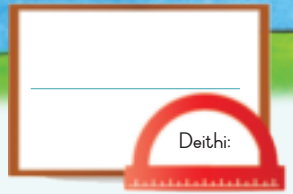
5 0 9
1 0 0

1 0 0
9 4 0

4
1 0 0
5 0

Teacher: _____
Sign: _____
Date: _____





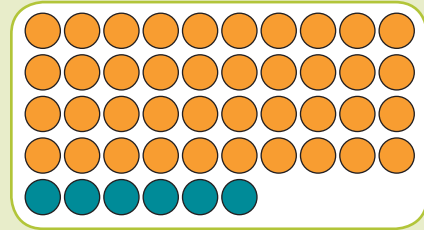
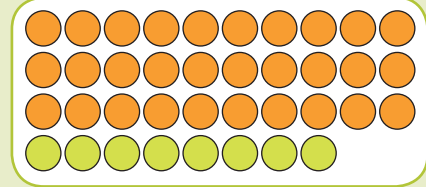
Mutanganyo na Mutuso

Lavhelesani bodo ya nomboro na malungu. Ambani ngazwo.

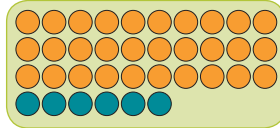
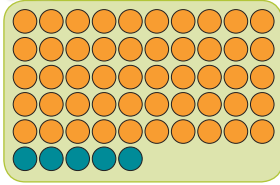


Themo ya 4

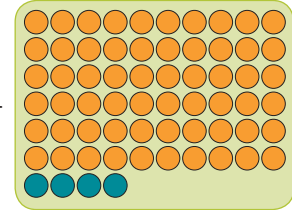
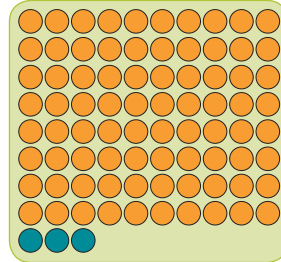
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



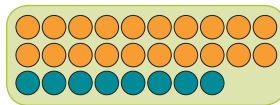
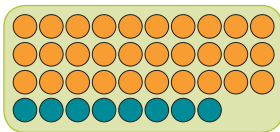
Tanganyani kana ni tuse malungu.



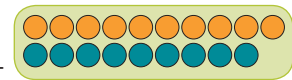
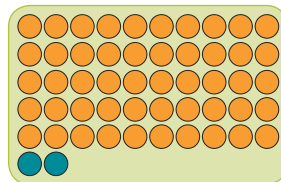
$$\begin{aligned}
 & \boxed{50} \quad \boxed{5} - \boxed{30} \quad \boxed{6} \\
 = & \boxed{40} + \boxed{15} - \boxed{30} - \boxed{6} \\
 = & \boxed{10} + \boxed{9} \\
 = & \boxed{19}
 \end{aligned}$$



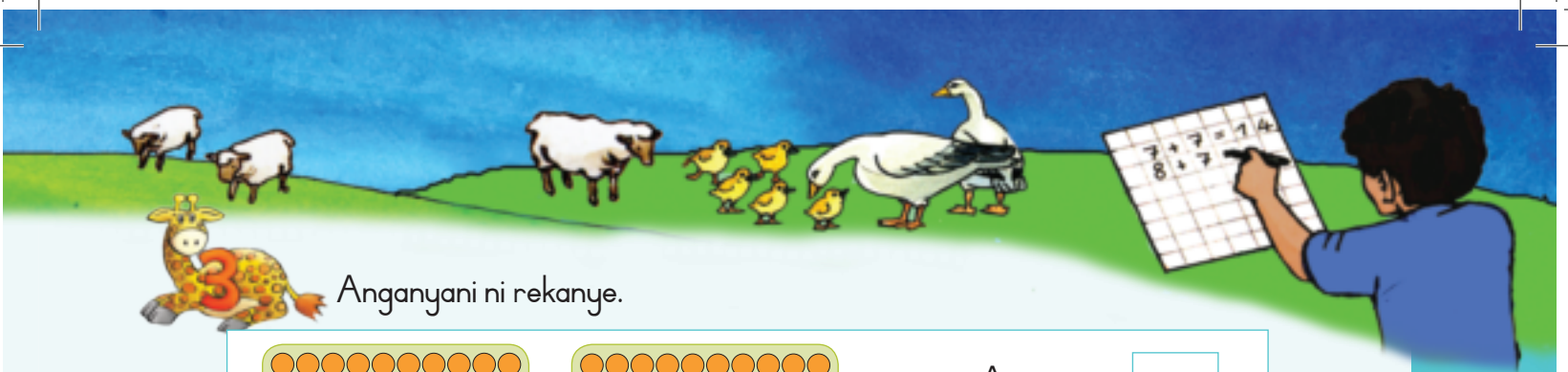
$$\begin{aligned}
 & \boxed{} \quad \boxed{} - \boxed{} \quad \boxed{} \\
 = & \boxed{} + \boxed{} - \boxed{} - \boxed{} \\
 = & \boxed{} + \boxed{} \\
 = & \boxed{}
 \end{aligned}$$



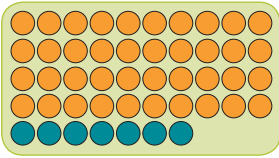
$$\begin{aligned}
 & \boxed{} \quad \boxed{} + \boxed{} \quad \boxed{} \\
 = & \boxed{} + \boxed{} + \boxed{} \\
 = & \boxed{} + \boxed{} + \boxed{} + \boxed{} \\
 = & \boxed{} + \boxed{} \\
 = & \boxed{}
 \end{aligned}$$



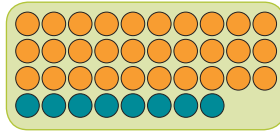
$$\begin{aligned}
 & \boxed{} \quad \boxed{} + \boxed{} \quad \boxed{} \\
 = & \boxed{} + \boxed{} + \boxed{} \\
 = & \boxed{} + \boxed{} \\
 = & \boxed{}
 \end{aligned}$$



Anganyani ni rekanye.

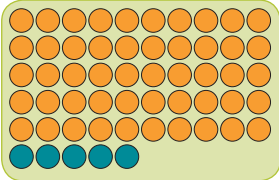


+

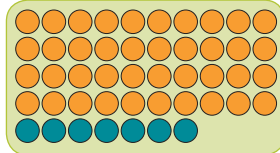


Anganyani

Rekanyani



+



Anganyani

Rekanyani



Shumani mbalo ni tshi shumisa ndila yanu.

$$53 + 39$$

$$92 - 48$$

Tanganyani 39 na 29.

43 na 19 dzi ita mini?

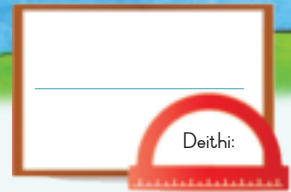
45 yo t̄uswa kha 74 i vha mini.

82 ho t̄uswa 69 i vha mini?

Teacher:

Sign:

Date:



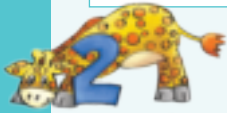
Muṭanganyo na muṭuso hafhu

Themo ya 4

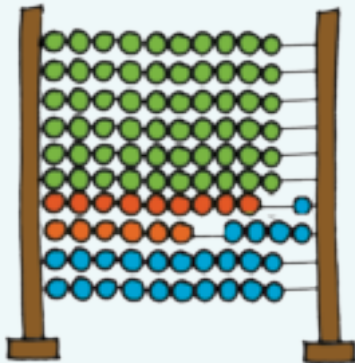


Lavhelesani abakhasi i re kha tsha monde na tsha u la. Ni vhona mini?

2 0	8		6 0	5
3 0	7		6 0	5

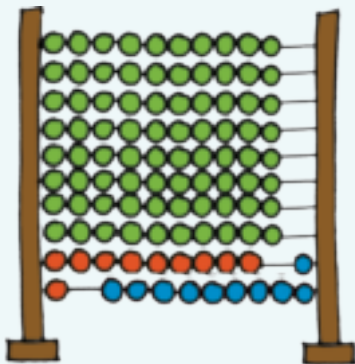


Ṇwalani mbalo ya u ṭanganya na u ṭusa. I rekanyeni.



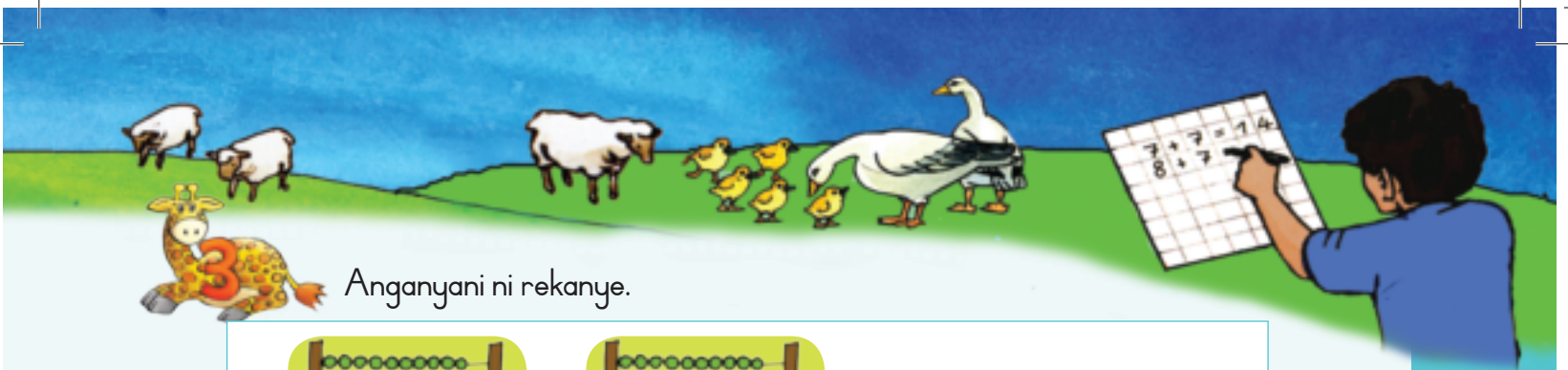
Mbalo ya muṭanganyo

Mbalo ya muṭuso

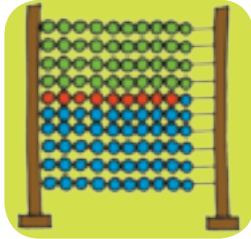


Mbalo ya muṭanganyo

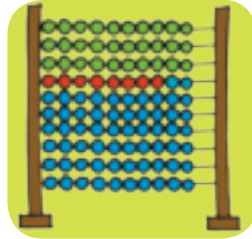
Mbalo ya muṭuso



Anganyani ni rekanye.

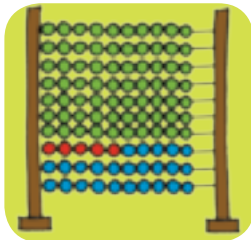


+

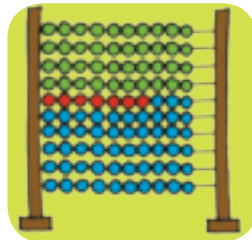


Anganyani

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: _____

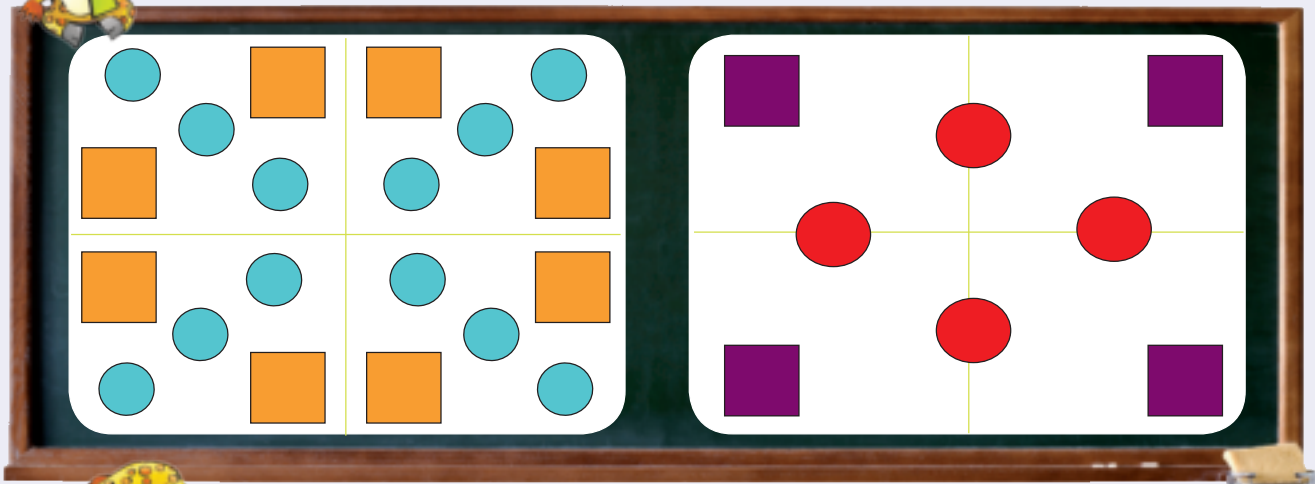
Zwivwe hafhu nga

phetheni dza nomboro na zwivhumbeo

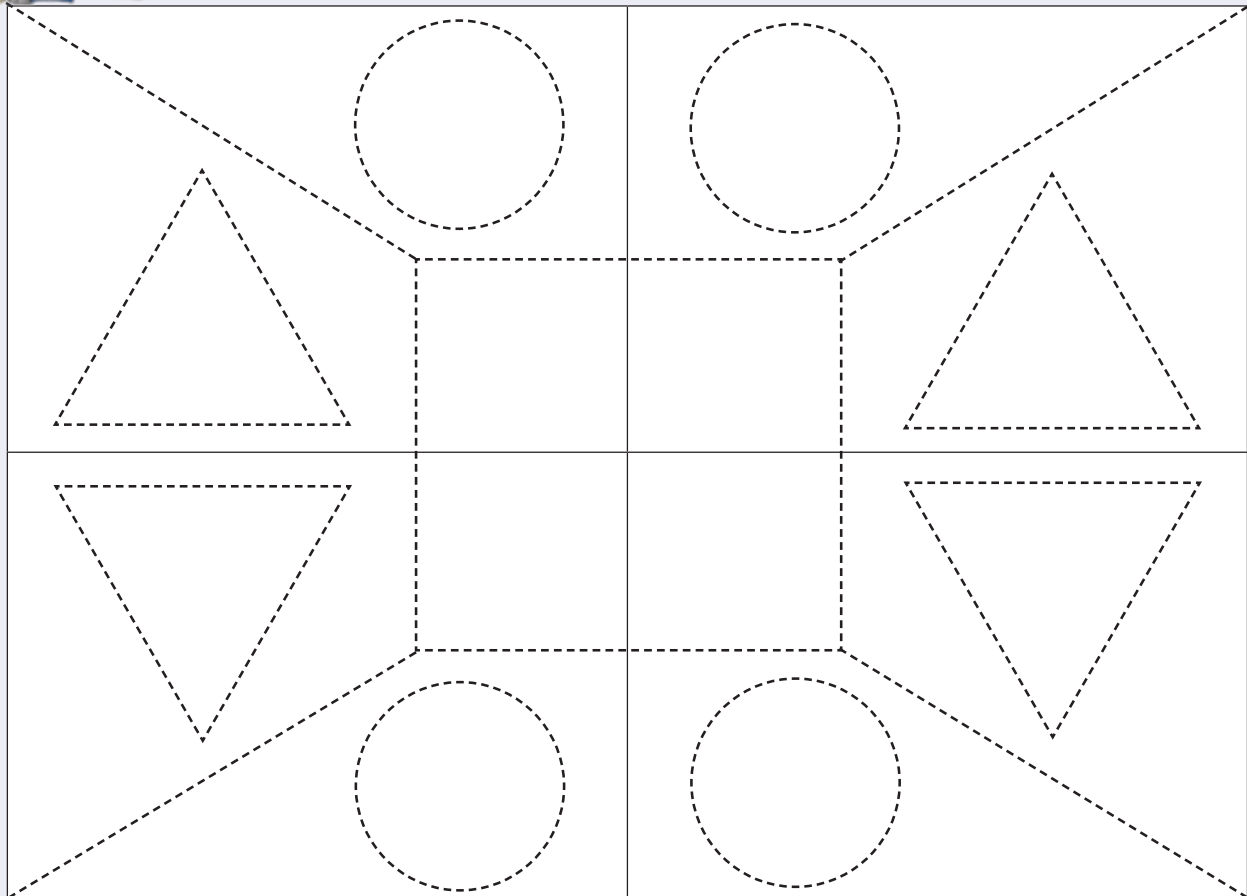
Deithi:

Themo ya 4

Talutshedzani phetheni.

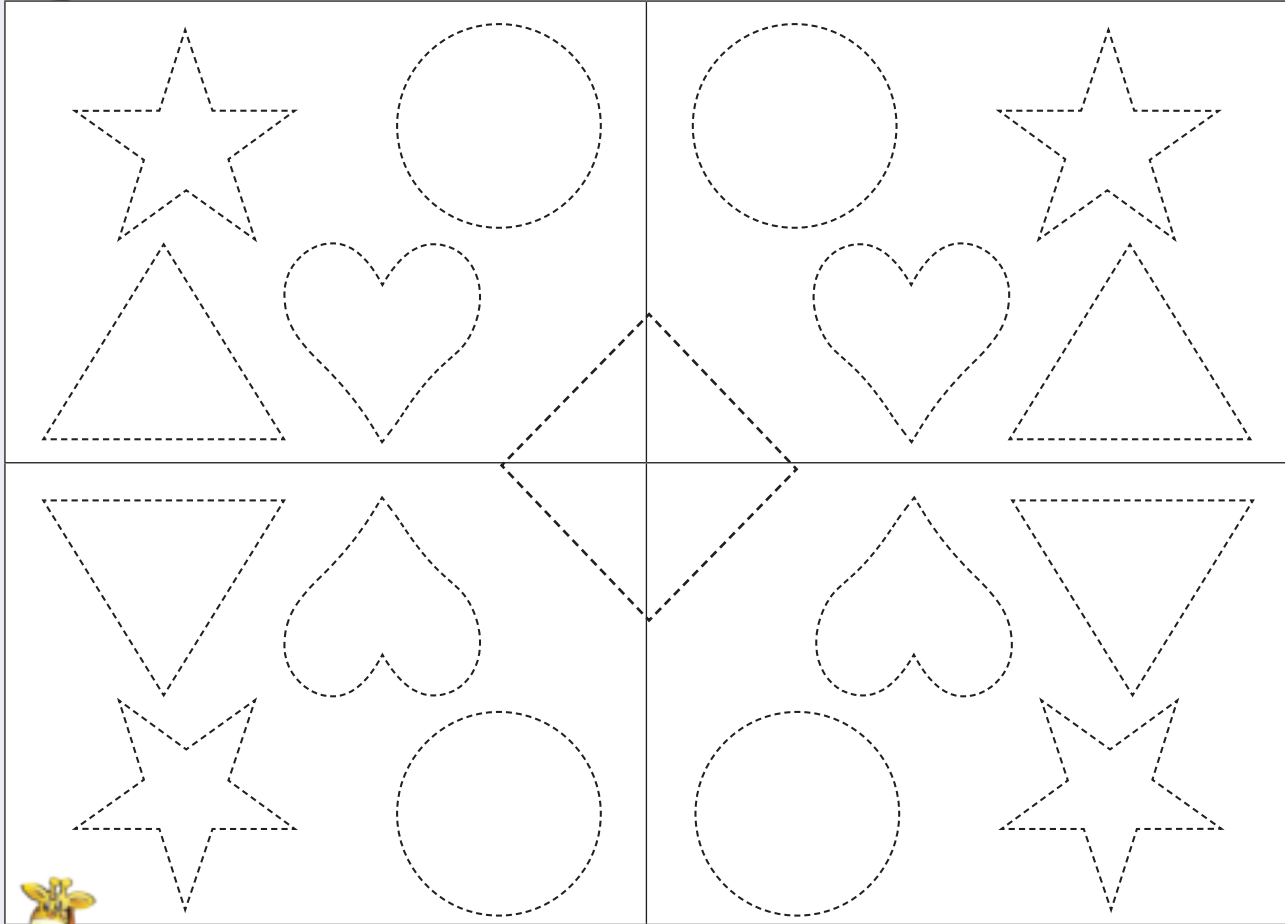


Tevhedzelani phetheni ni i khalare.

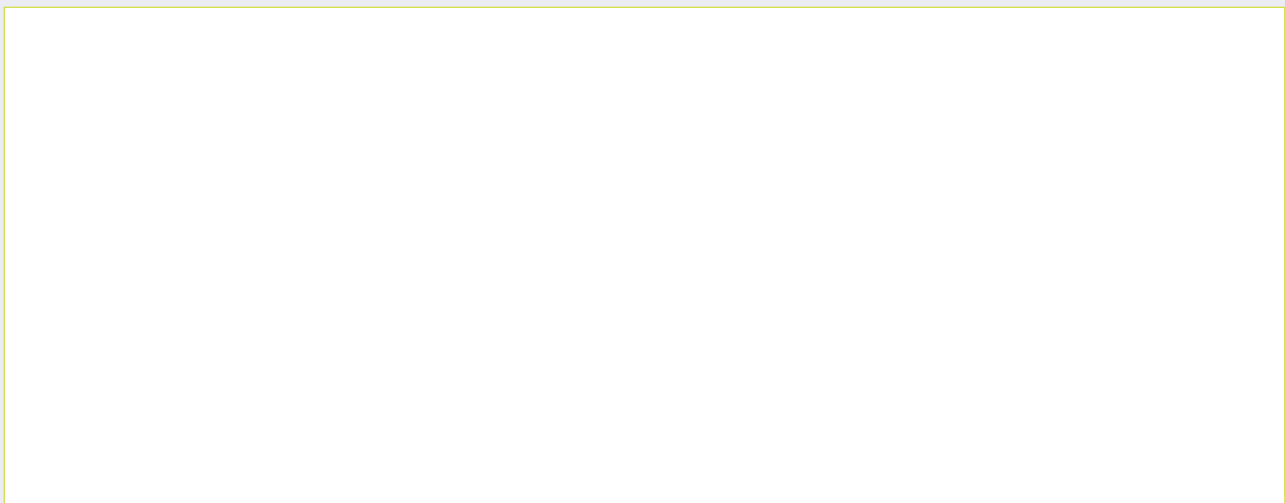




Tevhedzelani phetheni ni i khalare.



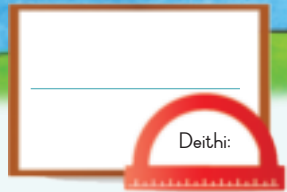
Itani phetheni yaṅu inwi muṅe ni tshi shumisa zwivhumbeo.



Teacher: _____
 Sign: _____
 Date: _____



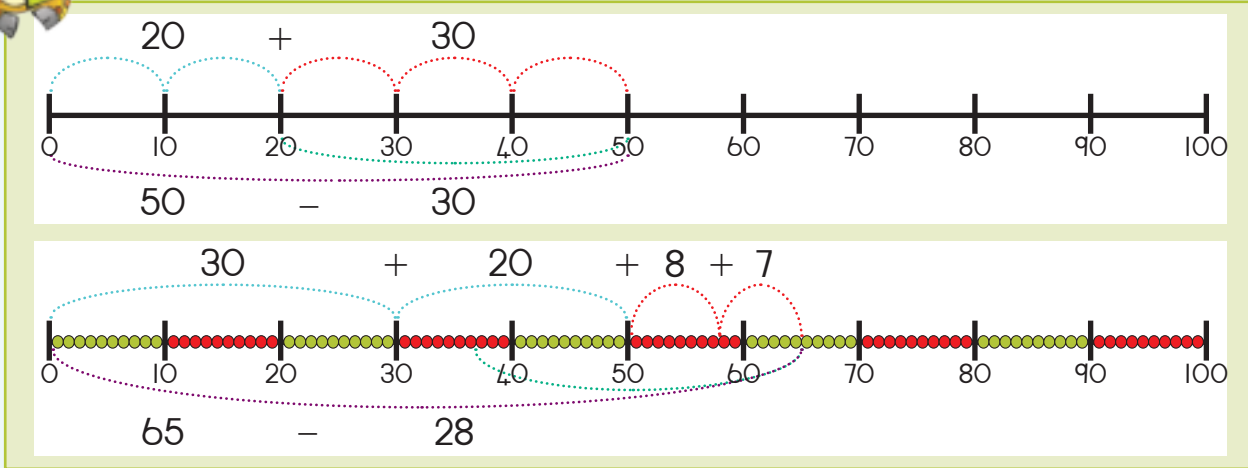
Mutanganyo na Mutuso



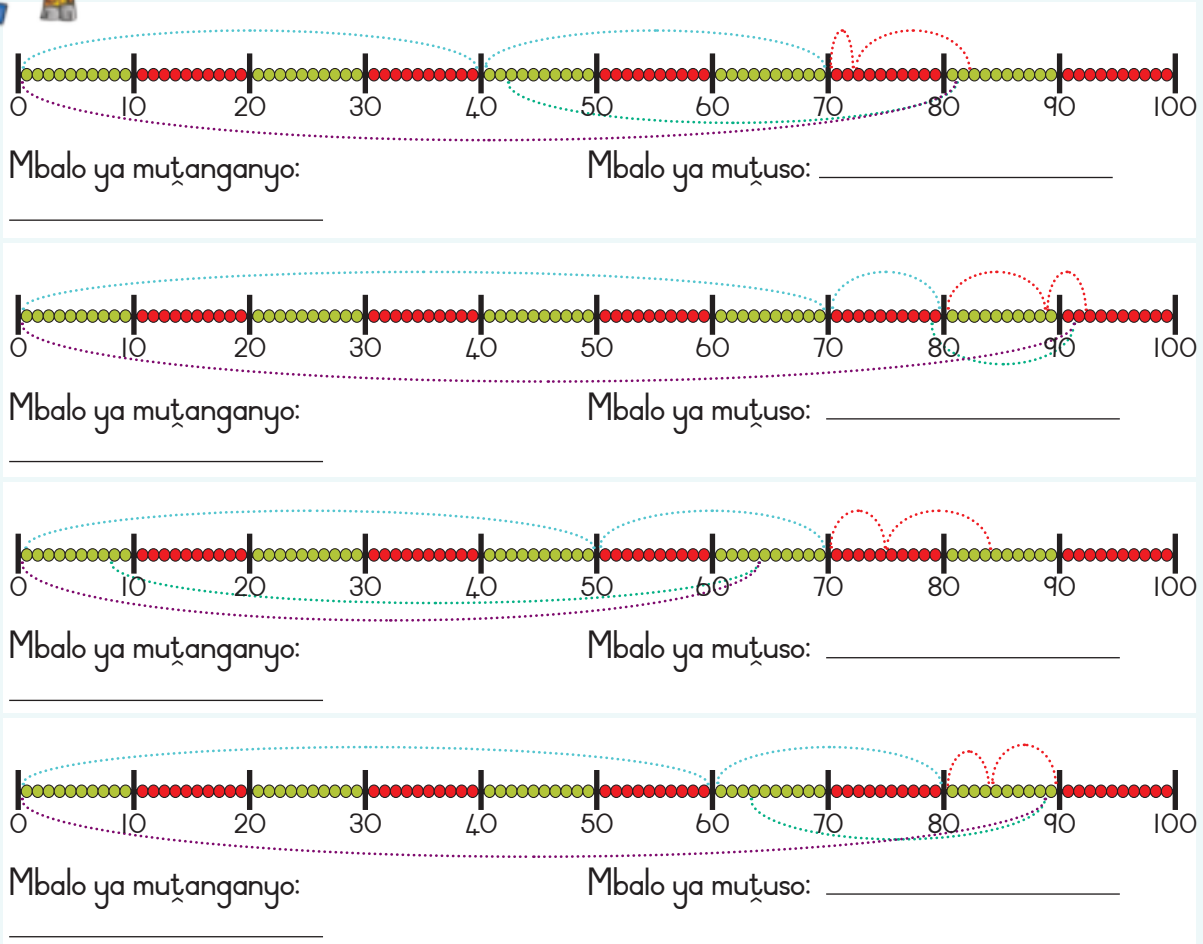
Themo ya 4



Lavhelesani mitalombalo. Ambani ngayo.

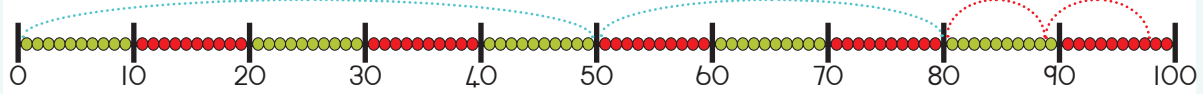


Ñwalani mbalo ya mutanganyo na mutuso ni tshi shumisa mitalombalo.



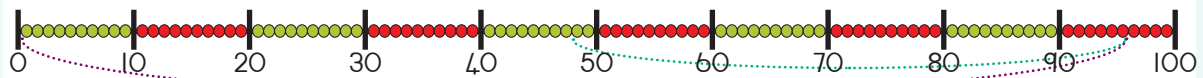


Anganyani ni rekanye tshivhalo tsha malungu.



Anganyani: _____

Rekanyani: _____



Anganyani: _____

Rekanyani: _____



Rekanyani ni tshi shumisa ndila yanu.

$$74 + 18$$

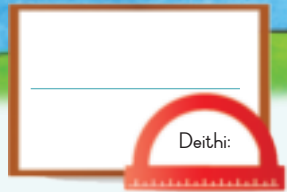
$$72 - 43$$

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.

$25 + \square = \square$

$199 - \square = \square$

$37 + 100 = \square$

$89 + 100 = \square$

$175 - 100 = \square$

$163 - 100 = \square$



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

$$\begin{array}{r} 90 \\ 100 \end{array} - \begin{array}{r} 20 \\ 4 \end{array} = \begin{array}{r} 5 \\ 30 \end{array}$$



Lavhelesani nomboro ni ite mbalo nnzhi dzo waniwaho nga mutanganyo na mutuso dzine phindulo yadzo ya vha yo nwalwa 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 8 3



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

$48 + 36$	$85 - 59$
-----------	-----------



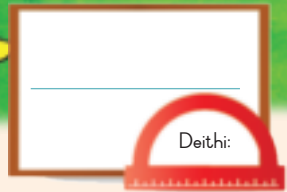
Tandululani mbalo ya maipfi. Olani tshifanyiso ni tshi sumbedza phindulo yanu.

<p>Ndo vhulunga R42 nahone khotsi anga vha mpha R29. Ndi na vhugai?</p>	<p>Ndi na R78 nahone ndo renga tshitshenari tsha R34. Ndo salelwa nga vhugai?</p>
---	---

Teacher: _____
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Date: _____



Zwithu zwa 3-D



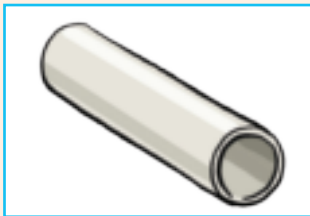
Themo ya 4

Mabogisi, bola na silinda zwi ngafhi?



Ambani uri ndi bogisi, bola kana silinda naa.





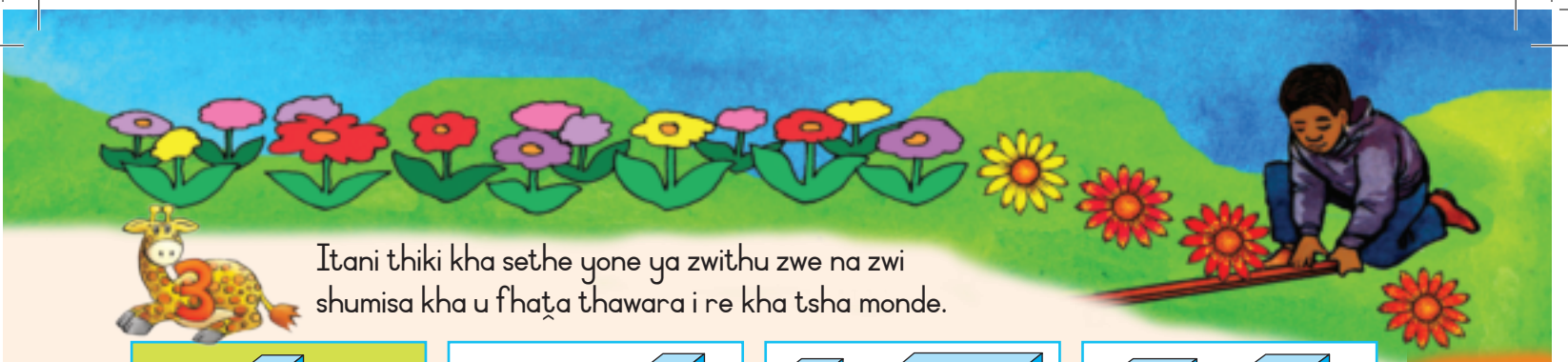


Wanani zwifanyiso zwa zwithu zwi tevhelaho ni zwi nambatedze hafha.

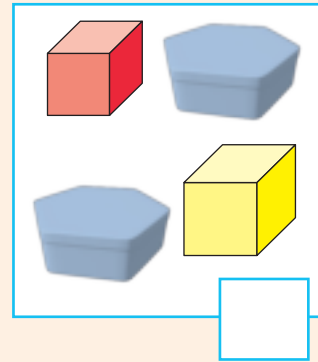
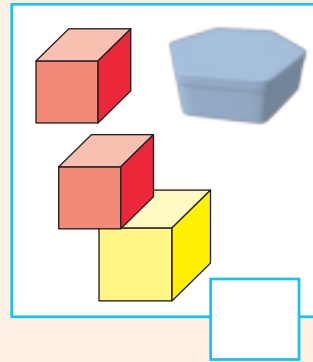
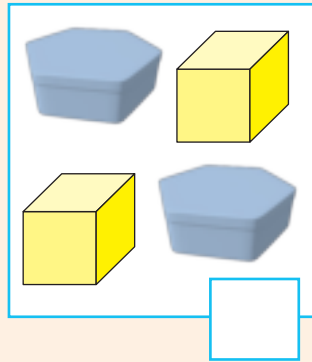
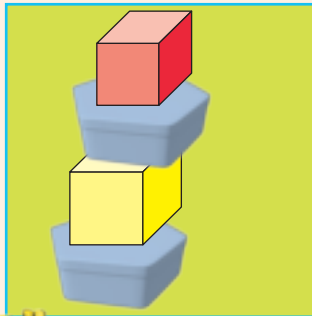
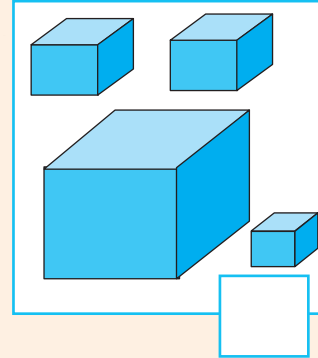
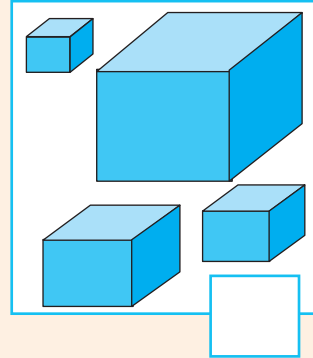
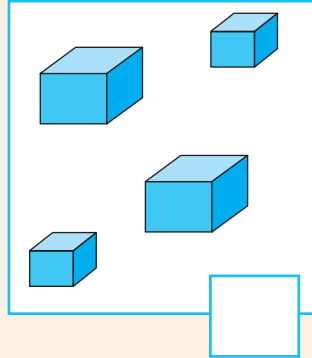
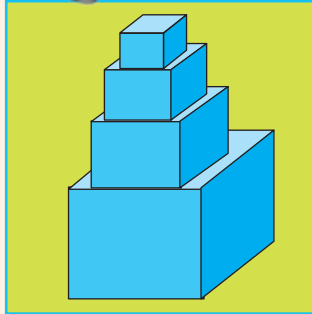
Bola

Bogisi

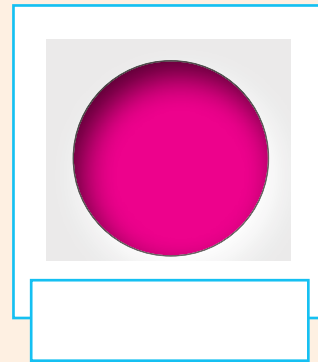
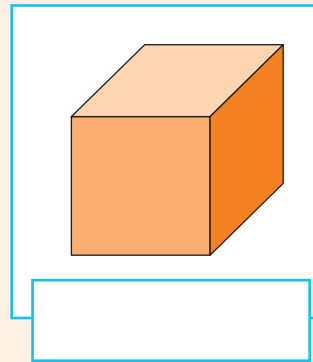
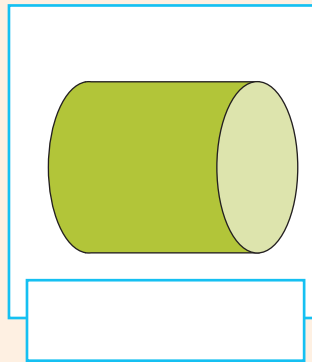
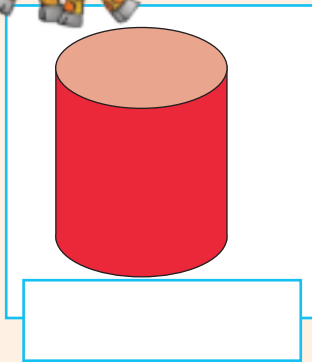
Silinda



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



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



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

- Silinda
- Bola
- Mabogisi



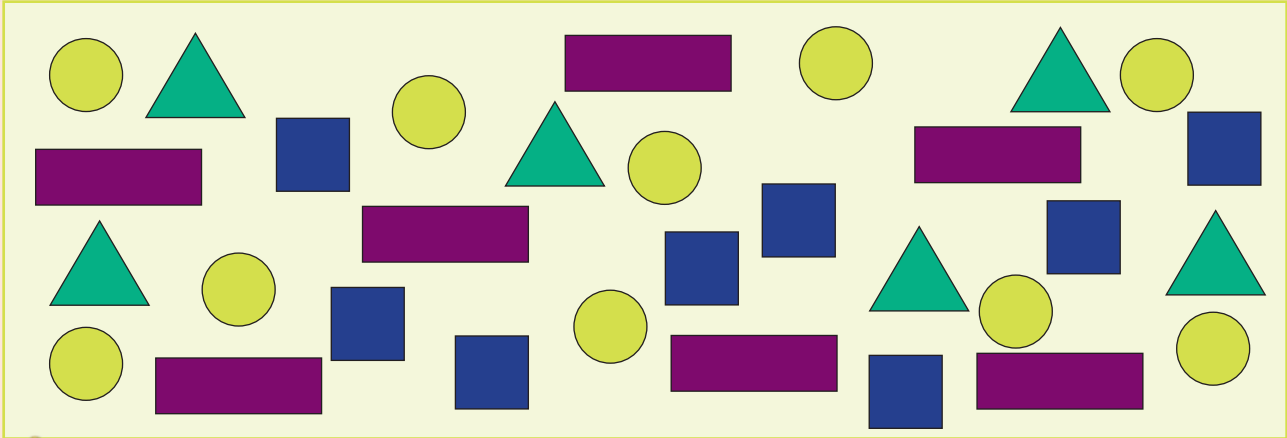
Teacher: _____
 Sign: _____
 Date: _____



Data hafhuhafhu

Deithi: _____

Themo ya 4



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

Blank box with a yellow circle in the top-left corner.

Blank box with a blue square in the top-left corner.

Blank box with a green triangle in the top-left corner.

Blank box with a purple rectangle in the top-left corner.



Olani phikhithogirafu ya mitshelo yo nanguludzwaho.

KHII: ○

○	■	▭	▲



Khalarani zwibuloko ni tshi fhedzisa girafubaphathi yanu

○	■	▭	▲

Hu na zwitendeledzi zwingana?

Hu na zwikwea zwingana?

Hu na rekithiengele nngana?

Hu na thiraiengele nngana?



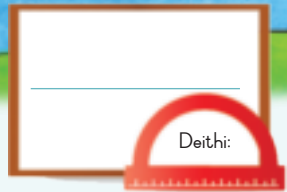
Teacher: _____

Sign: _____

Date: _____



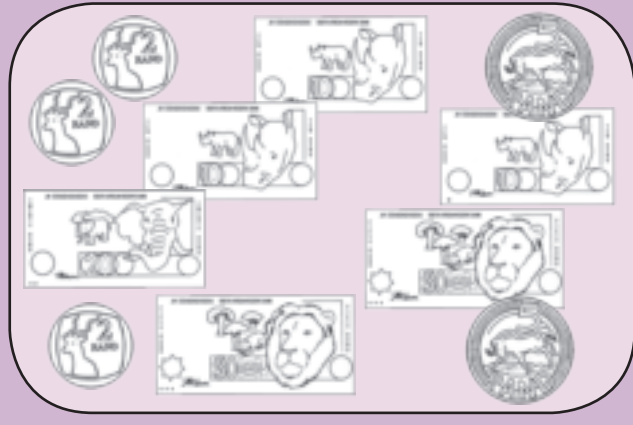
U rekanga tshelede



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 wothe?

		Ee	Hai
75c			
85c			
90c			



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

		Ee	Hai
R87			
R75			
R94			



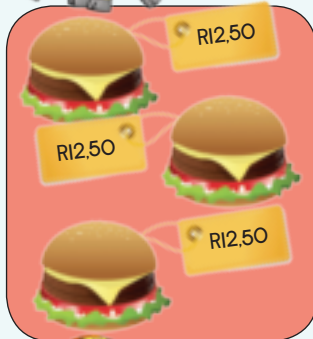
Sipho o renga hambega mbili. Hambega nthihi ndi R12.50. O badela vhugai? Olani tshelede ya mabambiri na khoini dzone ni tshi sumbedza phindulo yanu. Ni dovhe ni i riwale sa fhungombalo.



Fhungombalo:
R12,50 + R12,50 =



Arali Sipho a nga renga hambega idzi?



	○	○
	○	○
	○	○

Fhungombalo:



Arali Sipho a nga renga hambega nna?



	○	○
	○	○
	○	○
	○	○

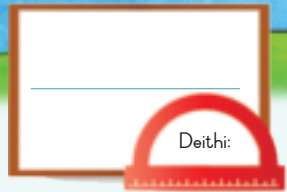
Fhungombalo:



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 bambiri la dubo.



Teacher: _____
Sign: _____
Date: _____



Tandululani mbalo dza tshelede

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 irwe na irwe 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 thebuḽu iyi.

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



Sello u hambula u inga kavhili mutengo wa awara. Zwi sumbedzeni kha thebuḽu.

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.



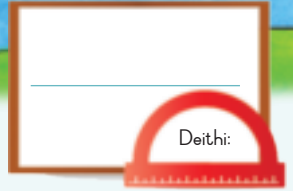
Teacher: _____

Sign: _____

Date: _____



Ni khou ṽoḽou renga mafini dza 10. Inwe na inwe i dura R10.
 Ni ḽo badela vhugai ni tshi renga mafini dza 1, 2, 3, 4, 5, 6, 7, 8, 9 kana 10?
 Zwi sumbedzeni kha thebuḽu kha bambiri ḽa dubo.



U ita zwigwada na u kovhana

Themo ya 4

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

Ndi zwiḅuḅoko zwingana zwi re kha tshitendeledzi tshinwe na tshinwe? Nwalani tḅhanganyelo i re kha tshitendeledzi tsha lutombo.

$\square \times \square = \square$

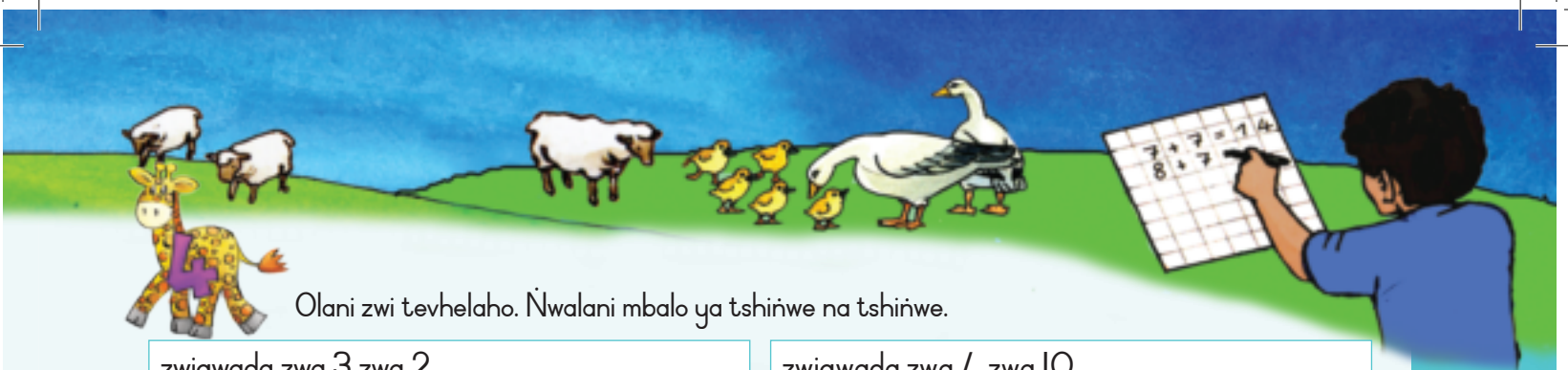
$\square \times \square = \square$

$\square \times \square = \square$

Kovhani zwiḅuḅoko kha zwitengeledzi.

$\square \div \square = \square$

$\square \div \square = \square$



Olani zwi tevhelaho. Nwalani mbalo ya tshirwe na tshirwe.

zwigwada zwa 3 zwa 2



Mbalo ya u tanganyisa:



Mbalo ya u andisa:

zwigwada zwa 4 zwa 10



Mbalo ya u tanganyisa:



Mbalo ya u andisa:

Kovhani zwihaleli zwa 12 kha vha 4.



Mbalo ya u tusa:



Mbalo ya u kovha:

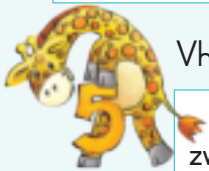
Kovhani zwihaleli zwa 12 kha vha 3



Mbalo ya u tusa:



Mbalo ya u kovha:



Vhalelani.

zwigwada zwa 2 zwa 7 _____

zwigwada zwa 3 zwa 8 _____

zwigwada zwa 4 zwa 5 _____

zwigwada zwa 2 zwa 15 _____

Kovhani 18 nga 2 _____

Kovhani 24 nga 3 _____

Kovhani 35 nga 5 _____

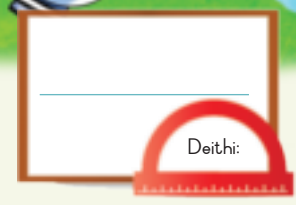
Kovhani 50 nga 10 _____



dovhulu kovhani



Teacher: _____
 Sign: _____
 Date: _____



Khaphasithi dzinwe hafhu

Lavhelesani zwifanyiso. Vhana vha khou ita mini?



Lebula dzi do dadza dzhege u swika ngafhi? KhaJarani.

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



Ni nga dadza nga khaphu nngana dza maḍi?

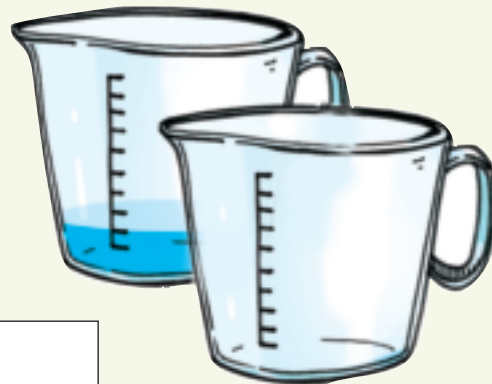
dzhege dza 2 _____ dzhege dza 3 _____

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: _____

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, _____, _____, _____, _____

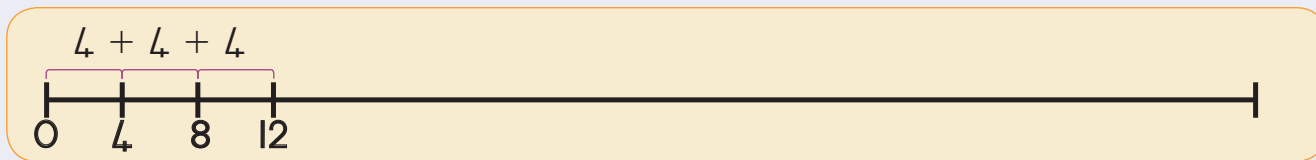
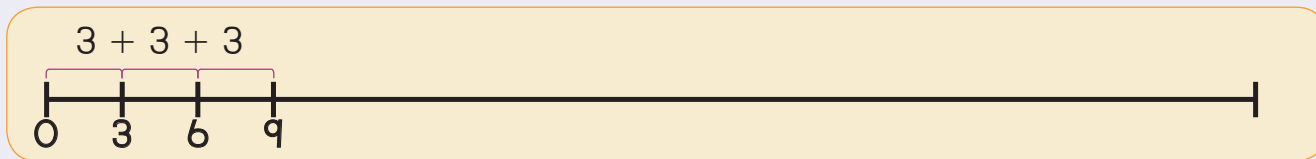
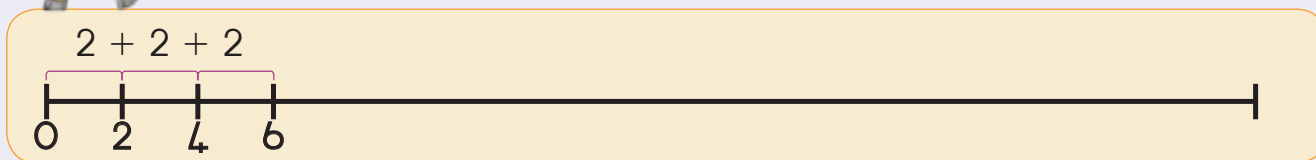
160, 155, 150, _____, _____, _____, _____

115, 118, 121, _____, _____, _____, _____

200, 190, 180, _____, _____, _____, _____



Fhedzisani mutalombalo.



Ri vhala nga mini?

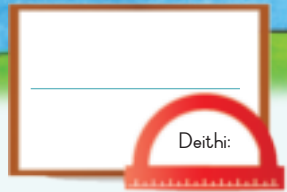
4	20
8	
16	12

2	8	14
		12
10	4	6

5	25	15
		20
30	10	

3	21
15	6
18	9
	12

Teacher: _____
 Sign: _____
 Date: _____



Muandiso wa 3

Themo ya 4

Phukha dzoṭhe dzi na milenzhe ya 4.

Phukha dzoṭhe dzi na nḁevhe 2.



Tshivhalogutḁe tsha milenzhe tshifanyisoni itshi ndi tshifhio?

Tshivhalogutḁe tsha nḁevhe tshifanyisoni itshi ndi tshifhio?



Lavhelesani tshifanyiso ni fhedzise zwi tevhelaho.



<input type="text"/>	×	<input type="text"/>	=	<input type="text"/>
Tshivhalo tsha mbevha		Milenzhe nga tshipuka		

<input type="text"/>	×	<input type="text"/>	=	<input type="text"/>
Tshivhalo tsha mbevha		Milenzhe nga tshipuka		







Fhedzisani zwi tevhelaho:

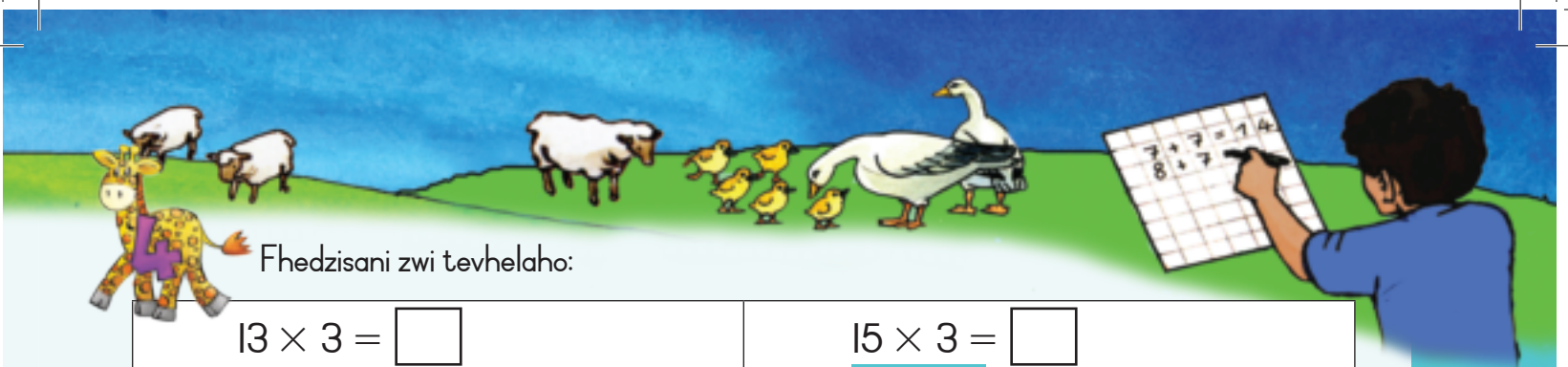
3	6	9						
---	---	---	--	--	--	--	--	--

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



Fhedzisani zwi tevhelaho:

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



Fhedzisani zwi tevhelaho:

$13 \times 3 = \square$ $\begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \times 3$ $= \begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} + \begin{array}{ c } \hline 3 \\ \hline \end{array} \times 3$ $= \begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \times 3 + \begin{array}{ c } \hline 3 \\ \hline \end{array} \times 3$ $= 30 + 9$ $= 39$	$15 \times 3 = \square$ $\begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \times 3$ $= \square + \square \times \square$ $= \square \times \square + \square \times \square$ $= \square + \square$ $= \square$
---	---



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:

<p>Kovhelani tshokoleithi iyi vhana vha 2 nga u edana.</p> <p>Muñwe na muñwe <input type="text"/></p> <p>u wana</p>	<p>Kovhelani malegere a 15 vhana vha 3 nga u edana.</p> <p>Muñwe na muñwe <input type="text"/></p> <p>u wana</p>
---	--



Olani tshifanyiso ni tshi sumbedza phindulo dzañu.

<p>Kovhelani thofi dza 9 vhana vha 3 nga u edana.</p> <p>Muñwe na muñwe <input type="text"/></p> <p>u wana</p>	<p>Kovhelani vhana vha 3 kharayoni dza 16. Hu do vha na kharayoni dzi no do sala?</p> <p>Muñwe na muñwe <input type="text"/></p> <p>u wana</p>
--	--

Teacher: _____

Sign: _____

Date: _____



Muandiso wo vanganaho

Deithi:

Themo ya 4

Lavhelesani zwi tevhelaho. Ni vhona mini?

$$5 + 5 + 5 = 15$$



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



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

$$3 \times 5 = 15$$

$$5 \times 3 = 15$$

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



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 	$3 \times 4 = 12$ $4 \times 3 = 12$
		$4 + 4 + 4$		
				$6 \times 5 = 30$ $5 \times 6 = 30$
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 hanu 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 $3 \times 2 = \square$	
zwigwada zwa 4 zwa 3 ndi 12 kana 4 andisa nga 3 ndi 12 kana $4 \times 3 = \square$	
zwigwada zwa 6 zwa 3 ndi 18 kana 6 andisa nga 3 ndi 18 kana $6 \times \square = 18$	

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





Teacher: _____

Sign: _____

Date: _____



Muandiso muṅwe 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?

$$1 \times 5 = 5$$

$$2 \times 5 = 10$$

$$3 \times 5 = 15$$

$$4 \times 5 = 20$$

$$5 \times 5 = 25$$

$$6 \times 5 = 30$$

$$7 \times 5 = 35$$

$$8 \times 5 = 40$$

$$9 \times 5 = 45$$

$$10 \times 5 = 50$$

Fhedzisani:

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

Shumisani ṅdila yaṅu kha u tandulula izwi.

$$12 \times 2$$

$$16 \times 2$$

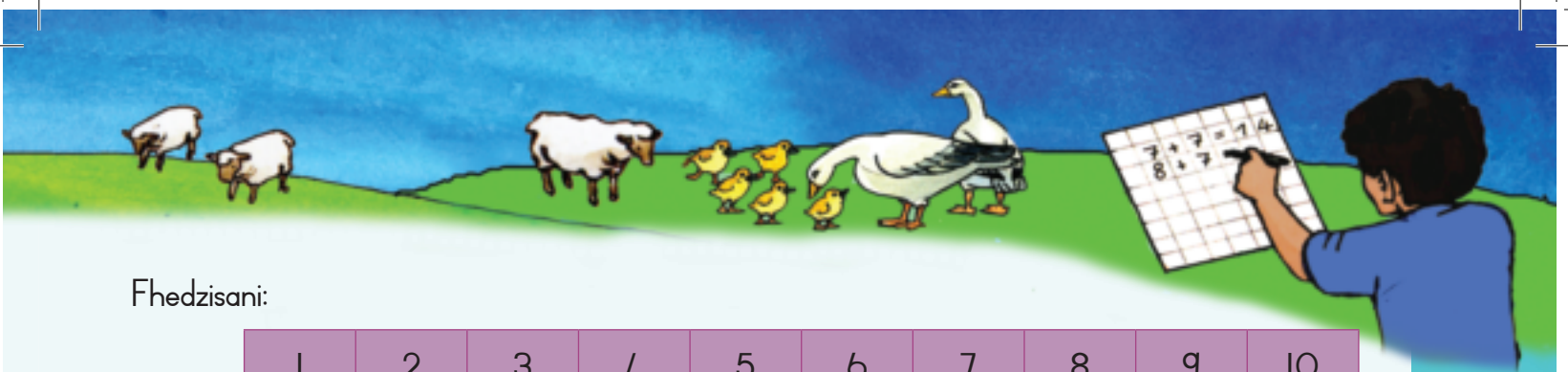
Fhedzisani:

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

Shumisani ṅdila yaṅu kha u tandulula izwi.

$$13 \times 3$$

$$15 \times 3$$



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: _____

Maḍuvha a vhege

Deithi:

Dzudzanyani maḍere a maḍuvha a Vhege.

uvhiliḽavh

dahaSwon

mbuluwoMusu

uraruḽavh

hunaḽav

ivhelaMug

huḽanuḽav

Dzhenisani maḍuvha a no khou ṽahela.

Musumbuluwo

ḽavhuraru

Swondaha

ḽavhuhili

Nwalani maḍuvha a vhege.

Swondaha

Ndi maḍuvha mangana u bva:

Musumbuluwo u swika ḽavhuna? _____

ḽavhuhili u swika ḽavhuṽanu? _____

ḽavhuna u swika Mugivhela? _____

Hu na maḍuvha mangana vhukati ha:

ḽavhuhili na Mugivhela? _____

ḽavhuraru na ḽavhuṽanu? _____

ḽavhuna na Swondaha? _____



Minwedzi ya n̄waha



Dzudzanyani maḽedere a minwedzi ya n̄waha.

andoPh huhuLu Fulwana medziTshi

raLa avhusikuNyend nguleT̄ha lwiFu

muhweT̄hafa unthuleShund bamaiLam bvumedziKhu



Hu na maḽuvha mangana kha n̄wedzi muḽwe na muḽwe?

Phando 31	Luhuhi	T̄hafamuhwe	Lambamai
Shundunthule	Fulwi	Fulwana	T̄hangule
Khubvumedzi	Tshimedzi	L̄ara	Nyendavhusiku



Dzhenisani n̄wedzi wo teaho.

Ni elelwe uri ndi dzina la n̄wedzi, zwino li tea u thoma nga leḽeredanzi

Ndi ufhio u no rangela T̄hafamuhwe? _____

Ndi ufhio u no rangela Fulwi? _____



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

Khubvumedzi? _____

D̄uvha laḽu la mabebo? _____



Teacher: _____
Sign: _____
Date: _____

Maḍuvha, vhege ya na miḿwedzi

Deithi:

Nyendavhusiku 2015

Swondaha	Musumbuluwo	Ḳavhuvhili	Ḳavhuraru	Ḳavhuḿa	Ḳavhuḿanu	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				



Ḳavhelesani khalenda ni fḿindule zwi tevḿelaho:

Ḳuvha Ḳa u thoma nga Nyendavhusiku ndi Ḳa vḿhungana? _____

Ḳuvha Ḳa vḿhufumithanu nga Nyendavhusiku ndi Ḳa vḿhungana? _____

Ḳuvha Ḳa vḿhufumbiliḿa nga Nyendavhusiku ndi Ḳa vḿhungana? _____

Ḳuvha Ḳa vḿhufumibili nga Nyendavhusiku ndi Ḳa vḿhungana? _____



Fḿindulani 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 Ḳifhio Ḳi no tevḿela Ḳa 31 Ḳa Nyendavhusiku? _____



Khalarani nomboro dzotlhe dza odo nga muvhala wa ṭada kha khalenda.

Ni vhona mini? _____








Khalarani ivini dzotlhe nga muvhala mutswuku kha khalenda.

Ni vhona mini? _____



Fhedzisani khalenda. Dzhenisani riwaha na deithi.

Lambamai _____

Swondaha	Musumbuluwo	Lavhuvhili	Lavhuraru	Lavhuṅa	Lavhuṭanu	Mugivhela
						
						
						
						
						








Ndi datumu ifho nga duvha lifhio?

	Deithi	Duvha
		
		
		
		
		
		
		



Ndi maḁvha mangana u bva kha:

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



Zwinwe 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 t̄ahelaho 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 t̄ahelaho 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: _____



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

Deithi:

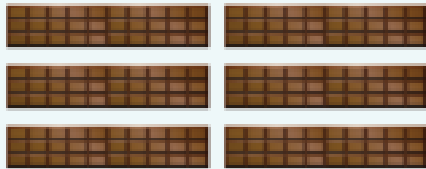
Themo ya 4



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.



Sumbedzani phindulo yanu nga u ola tshifanyiso afho fhasi.

Nwana muñwe na muñwe u wana tshararu tsha tshokoleithi.



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

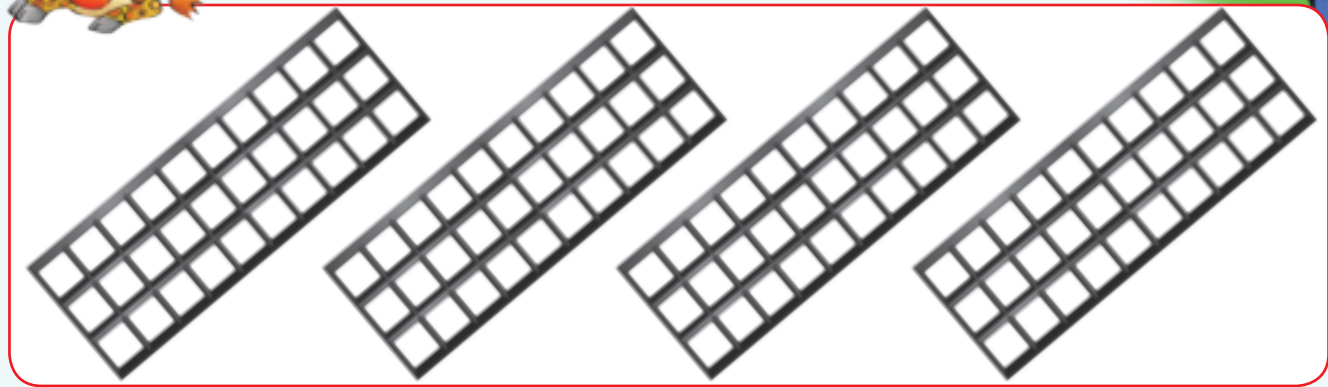


Sumbedzani phindulo yanu nga u ola tshifanyiso afho fhasi.

Nwana muñwe na muñwe u wana _____ tsha khekhe.



Khalarani kota nthihi ya tshokoleithi yothe kha mabaphathi aya.



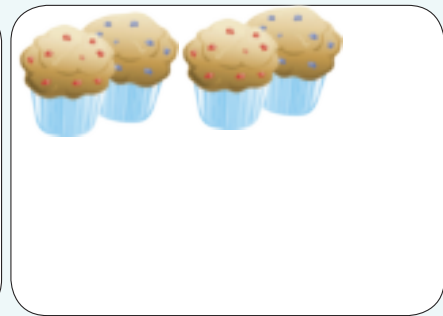
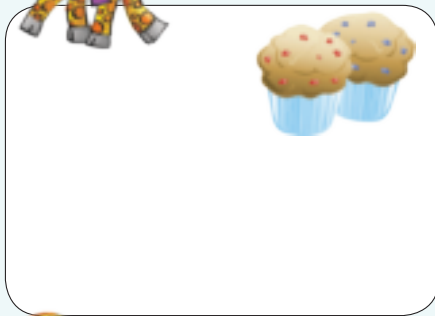
Ndi zwi

u
loko zwingana zwa tshokoleithi zwi no ita kota? _____

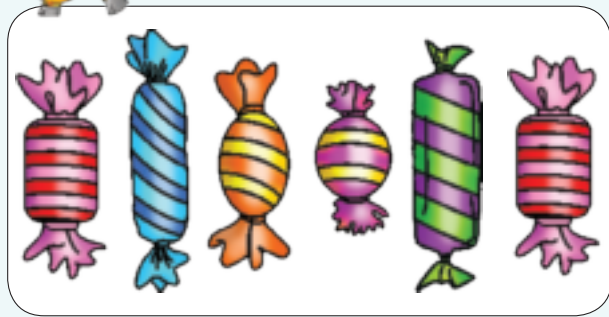
Khalarani tshatsharu tsha tshokoleithi dzothhe kha mabaphathi aya. _____



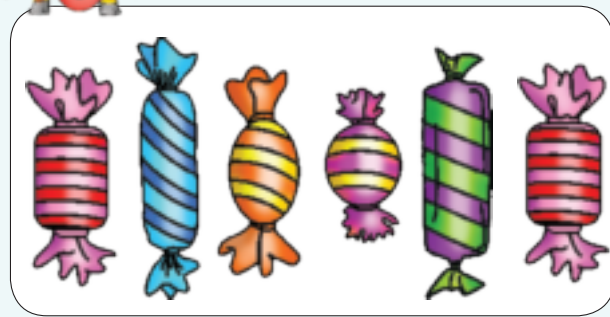
Sumbedzani hafu ya zwi tevhelaho.



Sumbedzani tshararu tsha malegere.



Sumbedzani tsharathi tsha malegere.



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

Teacher: _____
 Sign: _____
 Date: _____

Vhulapfu

Deithi:

Themo ya 4



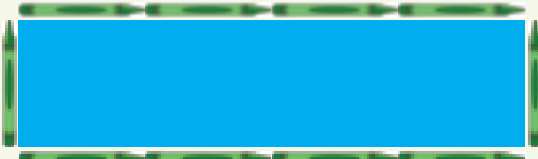
Ndi sia lifhio la rekithiengele line la vha li pfufhisa? li lapfusa?



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



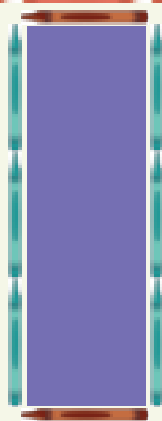
Fhindulani zwi tevhelaho.



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



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



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



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

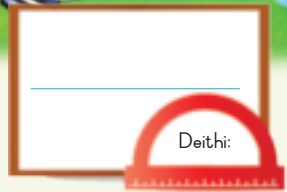


Arali zivihungu zwa nga bebana, zwi do dzhia zivihungu zwingana u swika kha tshisusu?

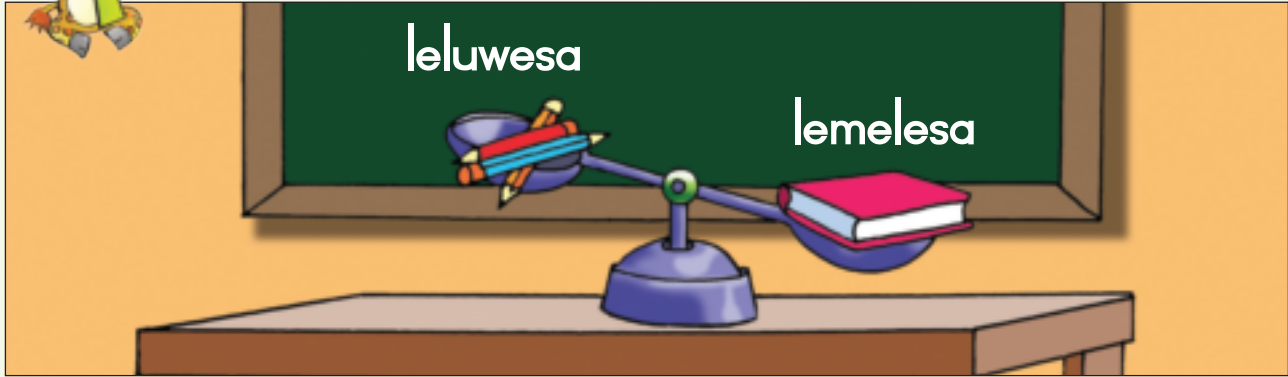


Teacher: _____
 Sign: _____
 Date: _____

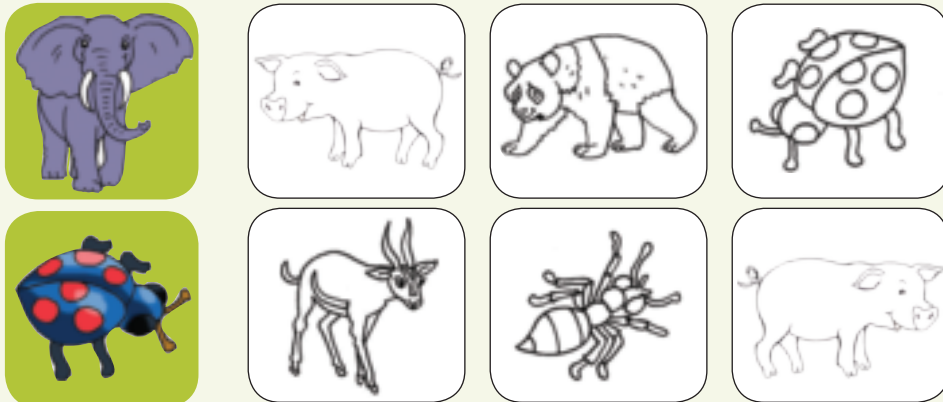
U lemelesa na u leluwesa



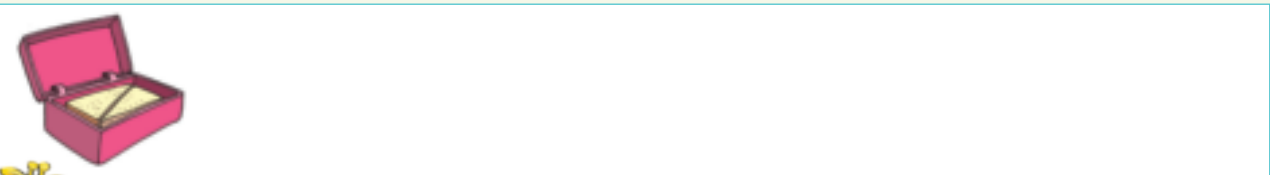
U lemelesa na u leluwesa?



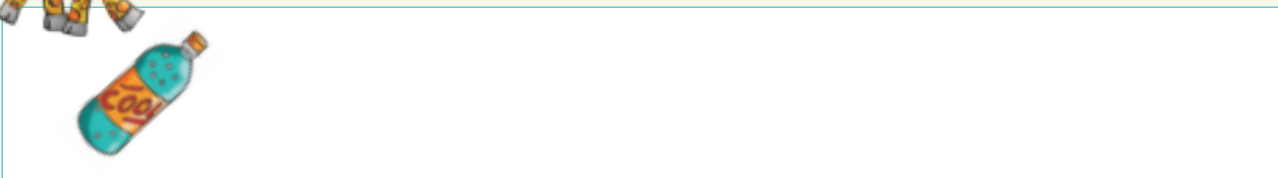
Khalarani tshifanyiso kana zwifanyiso zwi no sumbedza zwithu zwi no lemela u fhira zwi re kha tshibuloko tshidala.



Khalarani 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 hafha.

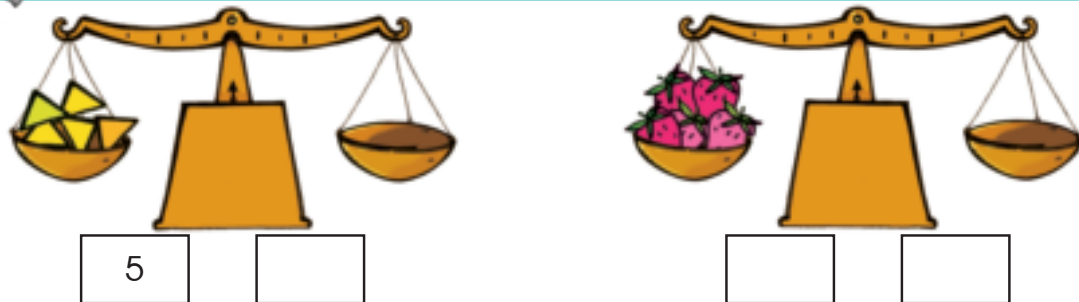




Bulani uri zwikalondinganyiso zwi a lingana naa kana hai.



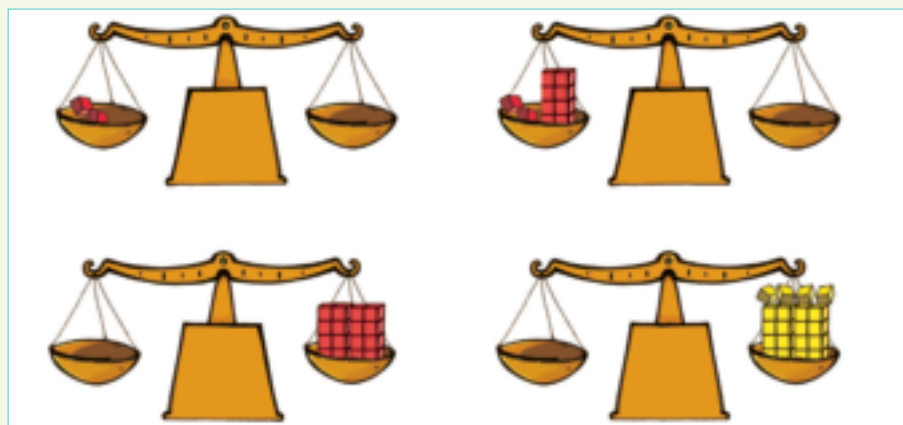
Itani uri zwikalondinganyiso zwi lingane. Itani nyolo kha zwikalo zwi si na tshithu.



Olani tshifanyiso tsha uri zwikalondinganyiso zwi vhe zwone.



Engedzani zwibuloko uri zwikalo zwi lingane  =  



Teacher: _____
Sign: _____
Date: _____

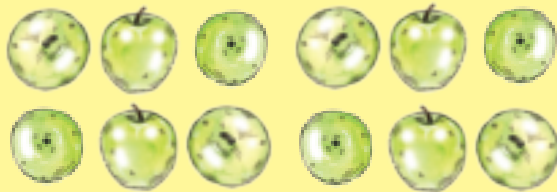


U kovhekana nga u lingana zwi ri isa kha furakhisheni (zwipiga) hafhu

Deithi:

Themo ya 4

Kovhelani khonani tharu maapula aya.



Muñwe na muñwe u wana maapula mangana?

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



Lavhelesani tsumbo i re afho ntha ni fhedzise zwi tevhelaho.

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

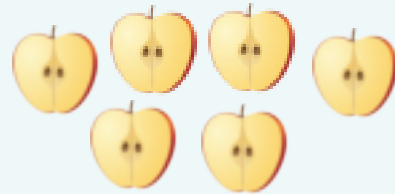


Makhulu vha fha Kutelani maswiri a 12. Kutelani u ita dzhusi nga tshararu tshao. O shumisa maswiri mangana?



Maapula mararu  a tshewa a bva dzihafu.

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



Maswiri maṅa  a tshewa a bva zwipiḁa zwa tshararu.

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



Mabvani mavhili  a tshewa a bva zwipiḁa zwa tsharathi.



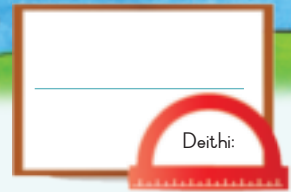
Ndi vhana vhangana vhane muñwe na muñwe wavho a do wana tsharathi? _____



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



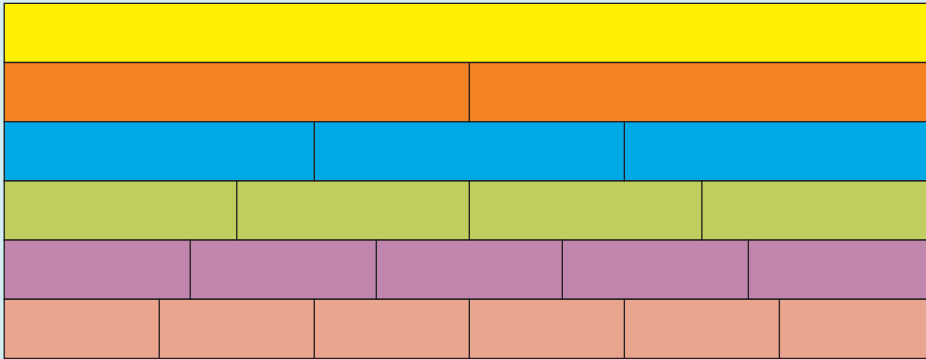
Teacher: _____
Sign: _____
Date: _____



Furakhisheni

Themo ya 4

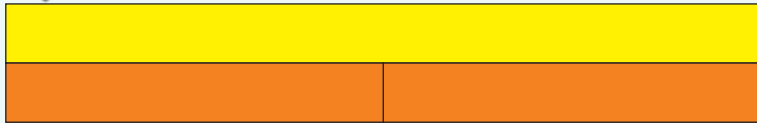
Lubanda luñwe na luñwe lu amba mini? Maipfi a re kha tsha monde a nga ni thusa.



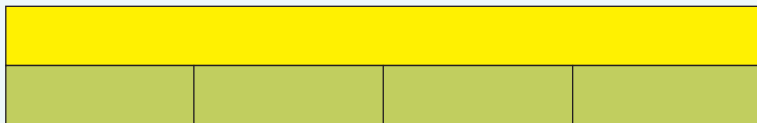
- tshararu
- tshathanu
- hafu
- tsharathi
- kota



Fhedzisani zwi tevhelaho.



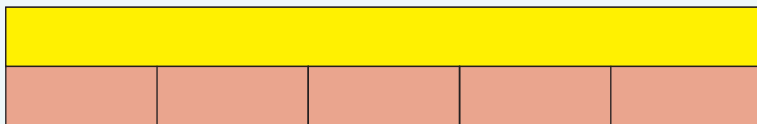
Hafu dza 2 dzi fana na _____ yothe.



Kota dza 4 dzi fana na _____ yothe.



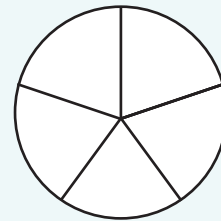
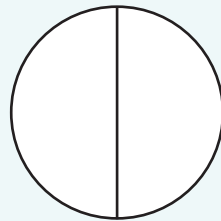
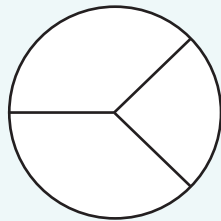
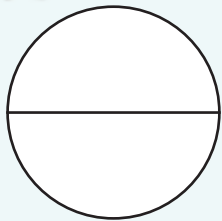
Zwararu zwa 3 zwi fana na _____ yothe.



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.

hafu



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

tshararu

hafu

kota

tshathanu

Humbelani mubebi kana muundi waṅu zwine a do renga:

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

Teacher:

Sign:

Date:



Furakhisheni hafhu

Deithi:

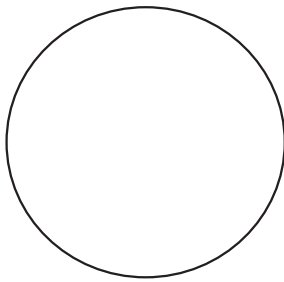
Themo ya 4

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

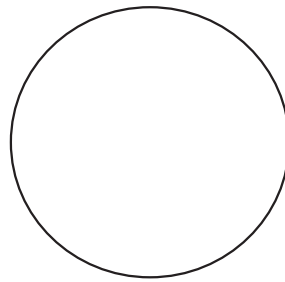


Khonani yaṅu u ni humbela uri ni kovhekanye pitza i bve zwilai zwi no lingana. Olani tshifanyiso ni tshi sumbedza tshinwe na tshinwe tsha izwi.

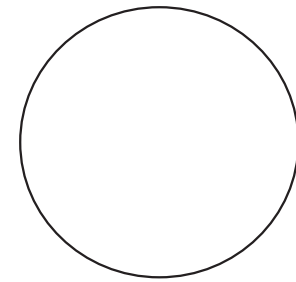
Dzihafu



Zwa tshararu



Dzikota



Itani thiki kha phindulo i re yone.

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

- Hafu nthihi ya pitza kana
- Pitza yothe?

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

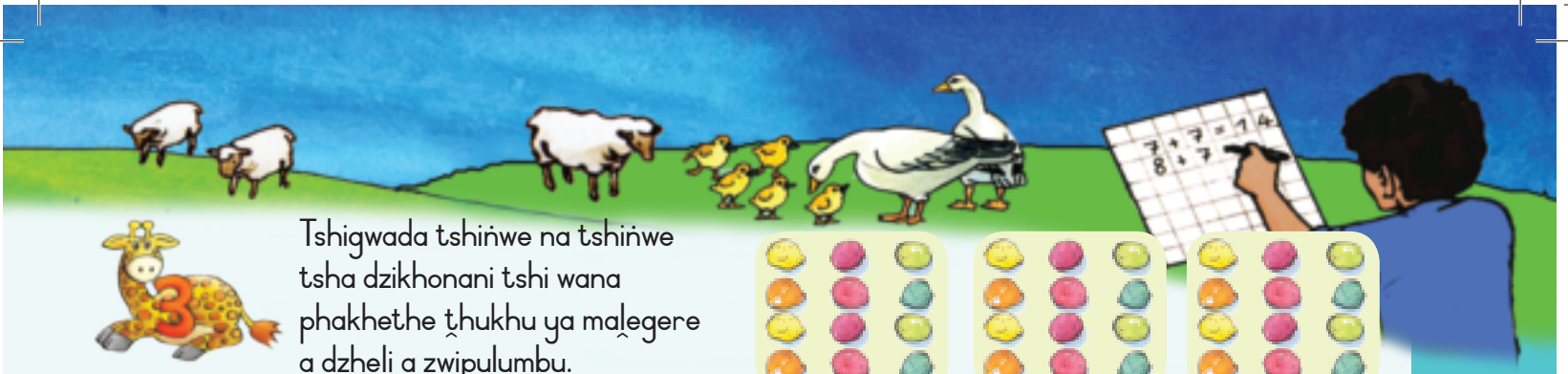
- Tshararu tsha pitza kana
- Pitza yothe?

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

- Kota nthihi kana
- Kota nna?

Fhindulani mbudziso dzi tevhelaho:

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



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



Tshigwada	1	2	3
Vhana vha re kha tshigwada	2	3	4
Khonani inwe na inwe i do wana malegere mangana a dzheli a zwipulumbu arali vho kovhelwa a no lingana?			
Itani thiki kha tshigwada tshine na tama u vha khatsho. Ndi ngani?			
Zwi tevhelaho zwi 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 zwihili hafu nthihi
 zwathanu zwitanu zwathanu zwihili hafu mbili
 zwathanu zwihili kota nthihi zwathanu zwinna zwararu zwiraru

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

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 Date: _____



Deithi:

Ndinganahuvhili na zwiivhumbeo

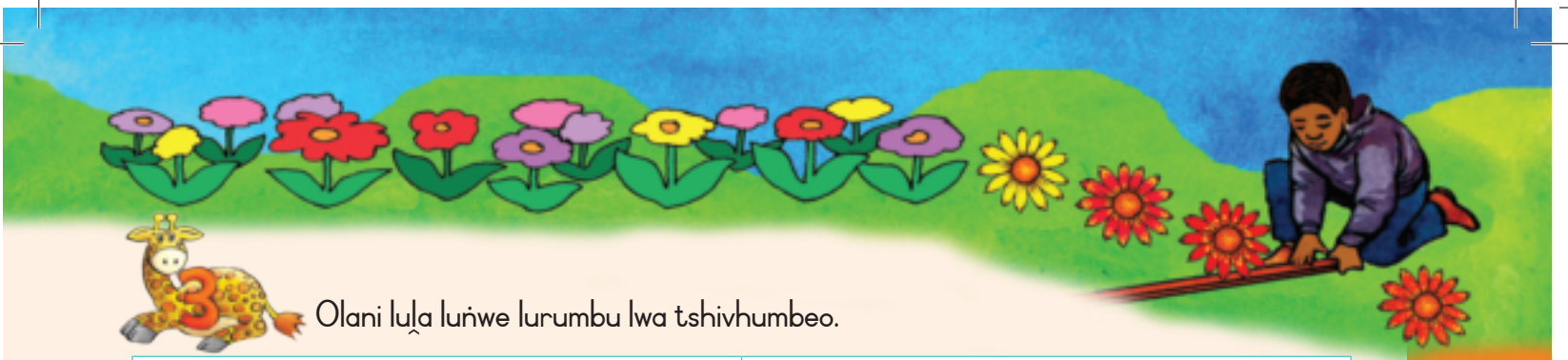
Themo ya 4



Lavhelesani zwifanyiso zwa zwiivhumbeo. 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.



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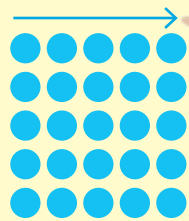
Mitevhe na furakhisheni

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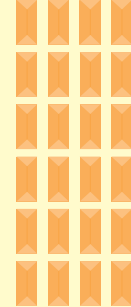
Themo ya 4

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?

	<input type="text"/>		<input type="text"/>		<input type="text"/>
	<input type="text" value="6"/>		<input type="text"/>		<input type="text"/>
	<input type="text" value="3"/>		<input type="text"/>		<input type="text"/>



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

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



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

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



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

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



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?	tshararu 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.
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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 vaniḽa



kota nthihi ndi dza tshokoleithi ngeno dziṅwe dzotṅhe dzi dza vaniḽa



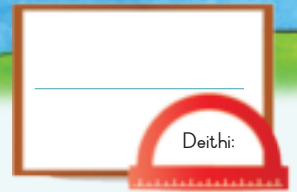
tshararu tshithihi ndi tsha sitiroberi ngeno dziṅwe dzotṅhe dzi dza vaniḽa



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Furakhesheni ya tshikhuvhugu tsha zwithu



Themo ya 4

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

Hafu ya l ya tshikhuvhugu tsha zwithu		
Tshararu tsha l tsha tshikhuvhugu tsha zwithu		
Kota ya l ya tshikhuvhugu tsha zwithu		
Tshatshanu tsha l 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.



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

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

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

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



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

Aisini ya siṱiroberi? Aisini ya babulugamu?



Teacher: _____
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Ndinganahuvhili kha phetheni

Deithi:

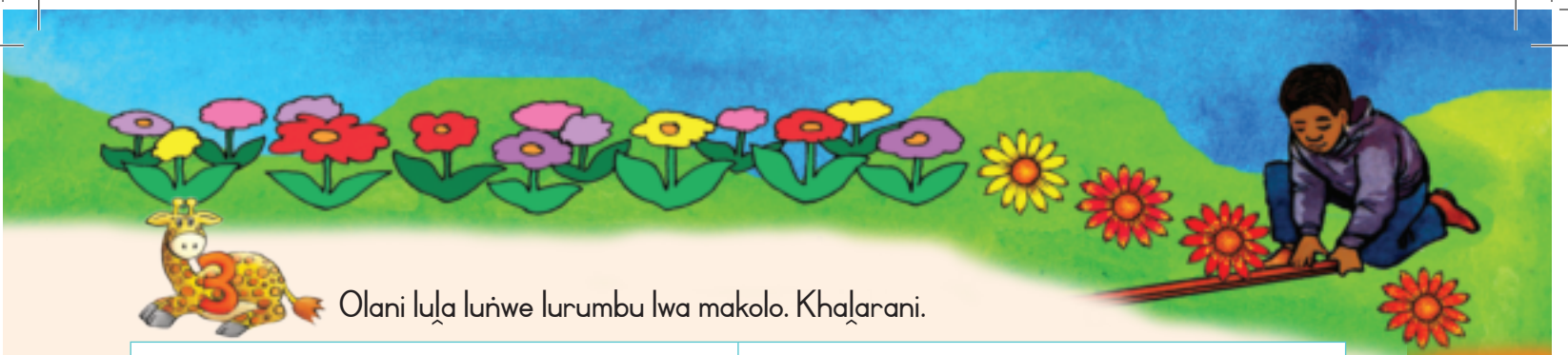
Themo ya 4



Lavhelesani zwifanyiso zwa makolo. Ni vhona mini?



Talani mutalo u itela uri lurumbu luthihi lwa makolo aya lu fane na luḽa luḽiwe.



Olani luḽa luḽwe lurumbu lwa makolo. Khaḽarani.

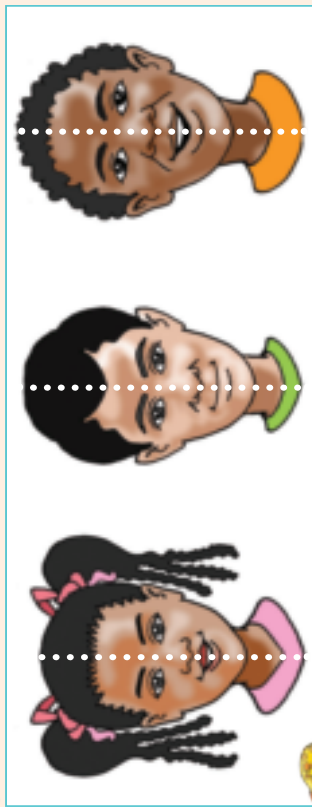
<p>□ △ □ ♥ △ ▽ ♥ △ ▽ □ △ □</p>	<p>□ ○ □ ♥ ▽ ▽ ♥ △ ▽ □ ○ □</p>
<p>☆ ☆ ♥ ♥ ☆ ☆ ♥ ☆ ☆ ☆ ☆ ♥</p>	<p>☆ ○ □ ♥ □ ▽ ♥ □ △ ☆ ○ □</p>
<p>○ 六 □ ♥ △ ▽ ♥ 六 ▽ ○ △ □</p>	<p>△ ○ □ ♥ □ ○ ♥ □ ▽ △ ○ ○</p>

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Ndingangahuhili hafhu

Lavhelesani zwifanjiso zwa zwifhatuwo. Lurumbu luthihi lwa tshivhumbeco lu fana na luja lunwe? Zwi kha ndingangahuhili?



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



Olani luja lunwe lurumbu lwa sia.

Phetheni dza nomboro dzi do ni thusa.



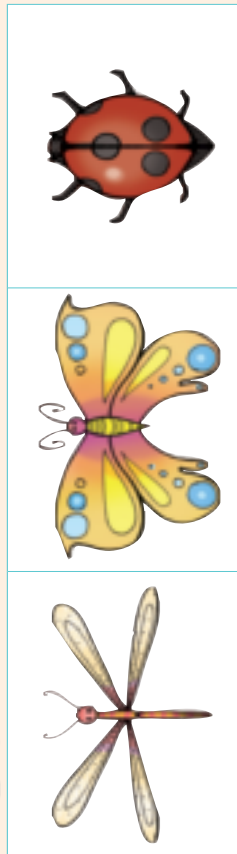
Detik



Lavhelesani zwifanjiso zwa zwiuhumbeco. 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: _____