

U tšalukanya 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 ġino shango uri vha tea u farana nga nġilaġe. Mulayotewa wa shango wo itelwa u tsireledza roġhe ri no khou tshila zwino na vhana vhashu vhane vha kha ġi do ġa.

Talukanyani hune ra bva hone.

Ri songo dovha vhukhaki ha mulovha.

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

Riġe, vhatu vha Afrika Tshipembe;

Ri dziela nġha u shaea ha vhumukanyi kha tshifhinga tsho fhelaho;

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

Ri thonifha havho vhe vha shuma vha tshi itela u fhaġa na u bvedzisa shango ġashu; na

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

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

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

Khwinisa ndeme ya Vhutshilo ha vhadzulapo vhoġhe na u vhofoholola vhuconi ha muthu muġwe na muġwe; na

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

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

Divhani Mulayotibe Wa Pfanelo 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.

Yo vusuludzwa,  
i tevhedza CAPS

Gireidi  
ya **3**

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14th Edition

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Bugu ya 2  
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 vhangaphanda ha Minisita wa Pfunzo ya Muteo, mufumakadzi Vho Angie Motshekga na Muthusaminista wa Pfunzo ya Muteo, Vho Dr. Reginah Mhaule.

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

Gireidi ya **3**



Heyi bugu ndi ya:

---



TSHIVENĎA

Bugu ya

**2**

65

Deithi:

# Nomboro 500 u swika kha 600

Themo ya 3



Vhalani ni n̄wale.

- a. Shumisani tshati i tevhelaho uri i ni thuse u vhalu u bva kha 500 u swika kha 600. Bulelani n̄t̄ha nomboro musi ni tshi khou vhalu.

500

600

501			504						510
							518		
	522								
					536				
541									549
							558		
		573							
							588		590
	592			595					600

- b. N̄walani nomboro dzi no khou t̄ahela kha giridi i re af̄ho n̄t̄ha.

- c. N̄walani nomboro dza 10 dzi no tevhela 500.

500; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- d. N̄walani nomboro dza 8 dzi no tevhela dzi kha phetheni ya dzi2.

510; 512; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- e. N̄walani nomboro dzo t̄he dzi re kha phetheni ya dzi2 u bva kha 548 u swika kha 570.

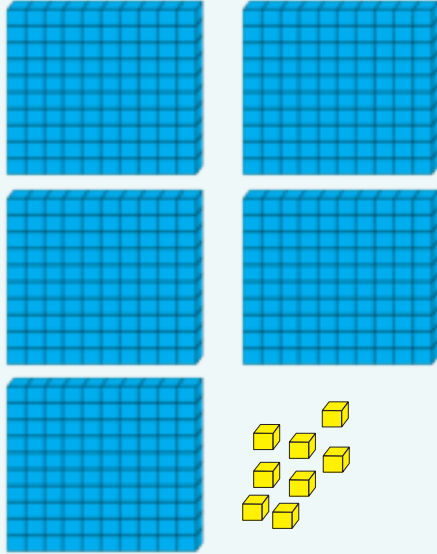
548; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 570

- f. N̄walani nomboro dza 8 dzi no tevhela dzi kha phetheni ya dzi5.

515; 520; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Ni kona u vhala zwibuloko zwingana?



Zwibuloko izwi no zwi vhalisa hani?



Fhedzisani mitalombalo.

540			543				547		549	
							597	598	599	
					597	598	599			



Fhedzisani thebulu.

Nwalani u bva kha tshukhusa u ya kha khulwanesa

Nwalani u bva kha khulwanesa u ya kha tshukhusa

582, 586, 584, 581, 585		
566, 506, 560, 516, 506		



Nwalani zwi tevhelaho nga maipfi.

520	
-----	--

Teacher:

Sign:

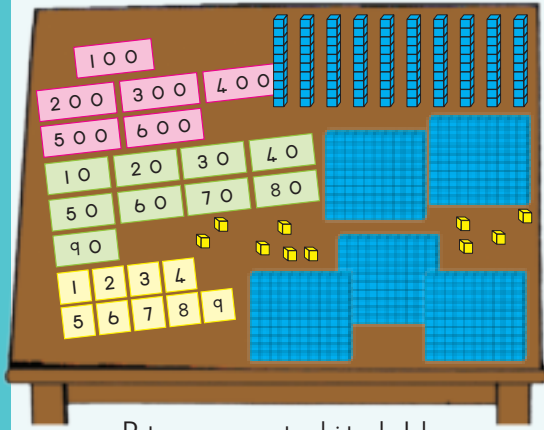
Date:

66

Deithi:

# Nomboro dza 500 u swika kha 600 hafhu

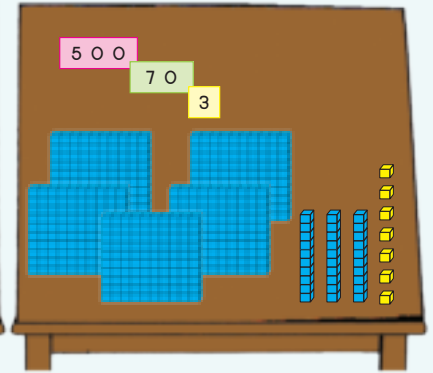
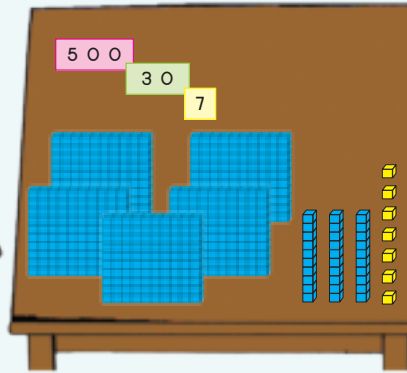
Themo ya 3



Mudededzi vha hambela Peter uri a sumbedze 537 nga garaṭa na zwibuloko.

Aakar o sumbedza hezwi. O ita zwifhio zwo khakheaho?

Peter u na garaṭa dzi tevhelaho dza vhuimo ha nomboro na zwibuloko zwa beisi ya fumi.



Nwalani fhungombalo ni tevhedze nga phindulo.

$500 + 10 + 7 = 517$	<input type="text"/>	<input type="text"/>



Nwalani fhungombalo ni tevhedze nga phindulo.

$500 + 70 + 3$	<input type="text"/>	<input type="text"/>
$=$	<input type="text"/>	<input type="text"/>



Fhedzisani mutalombalo.

550	551	552								560
-----	-----	-----	--	--	--	--	--	--	--	-----

Ñwalani nomboro dzothe dzi re thukhu kha 55b. \_\_\_\_\_

Ñwalani nomboro dzothe dzi re khulwane kha 55b. \_\_\_\_\_



Paḍukanyani nomboro yaṅu.

- Fhaṅani nomboro inwe na inwe nga magaraṅa aṅu.
- Ñwalani velu ya didzhiti inwe na inwe.

Hu na didzhiti dza fumi.  
0 1 2 3 4 5 6 7 8 9  
Ri a dzi baḍekanya uri ri vhumbe nomboro.

495	
508	
594	
549	
602	

Tsumbo: 517

500
10
7
517

517    500 + 10 + 7



Ñwalani madzina a mbalo.

221	
486	
369	
419	
491	



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

67

Deithi:

# Nomboro 600 u swika kha 700

Themo ya 3



Vhalani ni riwale.

- a. Vhalani ni tshi ya phanda u bva kha 600 u swika kha 700. Bulani nomboro ni tshi khou ralo u vhala.

600



601			604						610
						618			
	622								
				636					
641								649	
						658			
		673							
						688		690	
	692		695						700

- b. Nwalani nomboro dzi no khou tshela kha giridi i re afho ntha.  
c. Nwalani nomboro dza 10 dzi no tevhela 600.

600; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- d. Nwalani nomboro dza 8 dzi no tevhela dzi kha phetheni ya dzi2.

622; 624; 626; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- e. Nwalani nomboro dzothe dzi re kha phetheni ya dzi2 u bva kha 611 u swika kha 633.

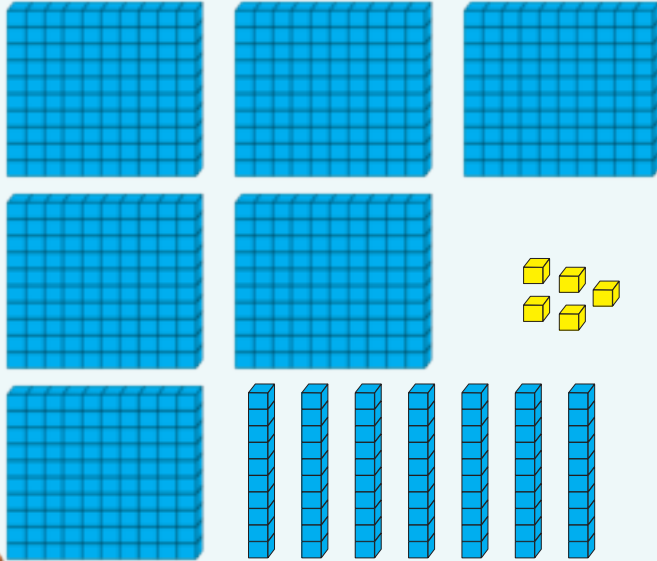
611; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_ 633

- f. Nwalani nomboro dza 8 dzi no tevhela dzi kha phetheni ya dzi5.

645; 650; 655; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Ni kona u vhalala zwibuloko zwingana?



Zwibuloko izwi no zwi vhalisa hani?



Fhedzisani mitalombalo.

640			643				647		649	
							687	688	689	
					602	604	606			



Fhedzisani thebulu.

Ñwalani u bva kha tshukhusa u ya kha khulwanesa

Ñwalani u bva kha khulwanesa u ya kha tshukhusa

672, 676, 674, 671, 675		
656, 605, 650, 615, 605		



Ñwalani zwi tevhelaho nga maipfi.

631	
-----	--

Teacher:

Sign:

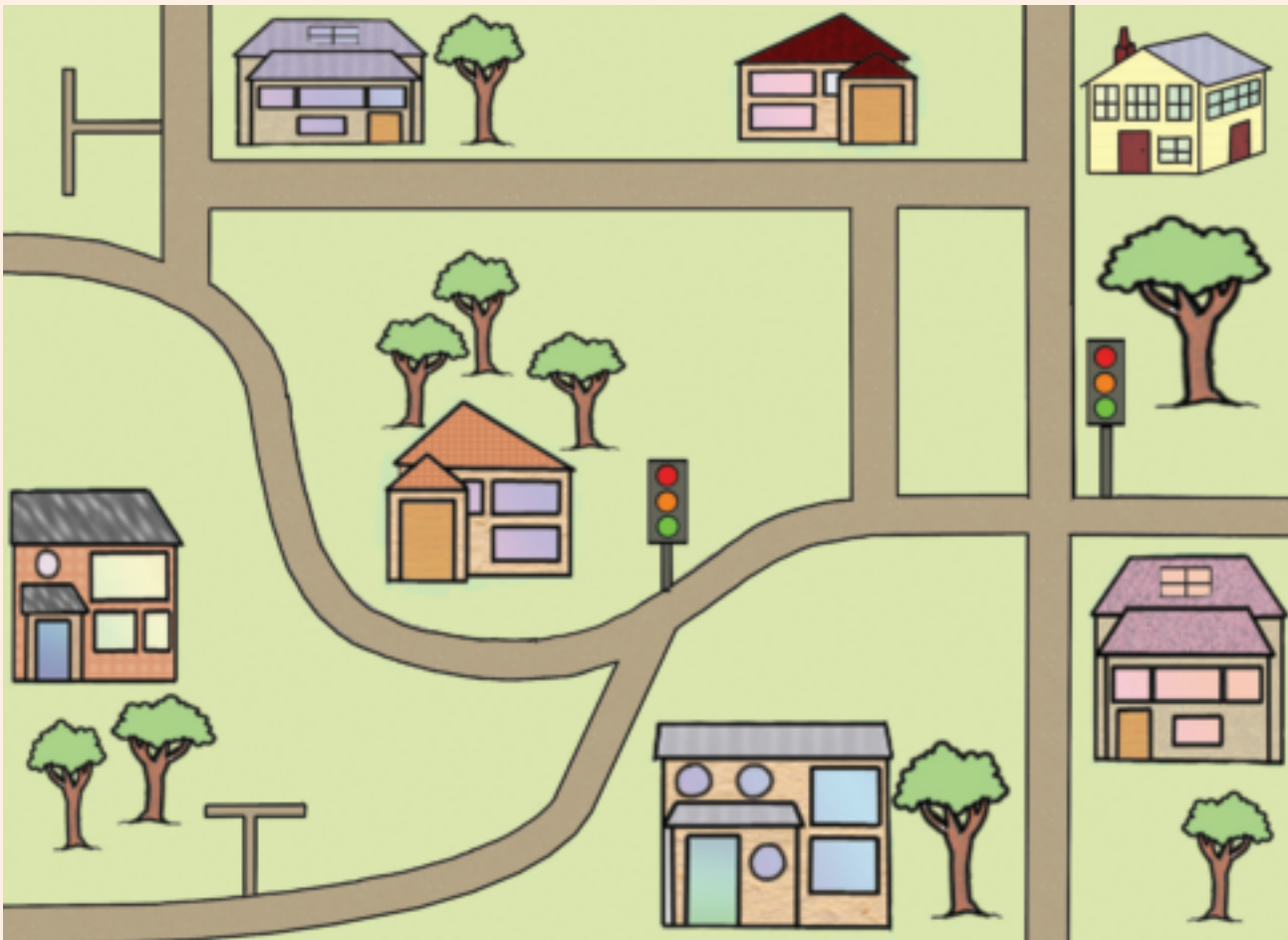
Date:



## Mushumo wa mepe

Lavhelesani tshifanyiso.

- Ndi tsha mini?
- Ri tshi shumisa kha mini?
- Ri nga wana mini kha mepe uyu?



Olani zwi tevhelaho kha mepe:

laiburari, zwikolo, kiliniki, sibatela (vhuongelo), tshiti tshi tsha mapholisa, mavhengeleni.  
Ni nga kha di dzhenisa zwiinwe zwi tarata.



Shumisani mepe u re kha siatari lo  
fhiraho kha u laedza khonani dzaṅu ṅdila vha tshi bva:

a. kiliniki vha tshi ya tshititshi tsha mapholisa.


b. tshikoloni vha tshi ya kiliniki.


c. tshikoloni vha tshi ya mavhengeleni.


d. mavhengeleni vha tshi ya laiburari.


e. laiburari vha tshi ya tshikoloni.


f. sibadela (vhuongeloni) vha tshi ya tshikoloni.



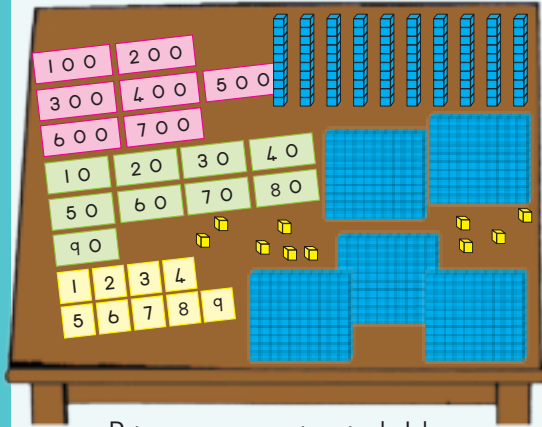

Teacher:
Sign:
Date:

69

Deithi:

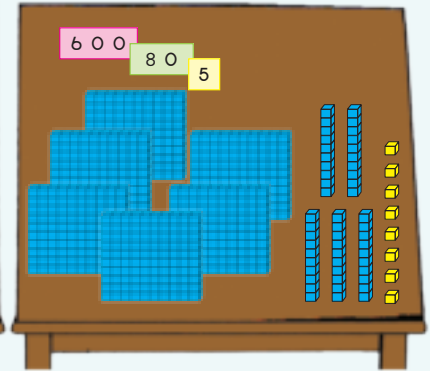
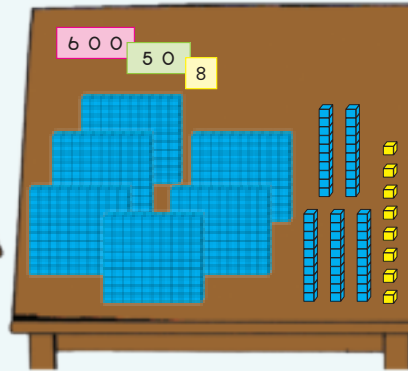
# Nomboro 600 u swika kha 700 hafhu

Themo ya 3



Mudededzi vha hambela Peter uri a sumbedze 658 nga magaraṭa na zwibuloko.

Aakar o sumbedza hezwi. O ita zwifhio zwo khakheaho?



Peter u na magaraṭa a tevhelaho a vhuimo ha nomboro na zwibuloko zwa beisi ya fumi.



Ñwalani fhungombalo ni tevhedze nga phindulo.

$600 + 30 + 7 = 637$		



Ñwalani fhungombalo ni tevhedze nga phindulo.

$600 + 90 + 8$ $=$	$600 + 70$  	$600 + 50 + 8$  
-----------------------	--------------------	------------------------



Fhedzisani mutalombalo.

670	671	672								680
-----	-----	-----	--	--	--	--	--	--	--	-----

Nwalani nomboro dzotlhe dzi re tshukhu kha 675. \_\_\_\_\_

Nwalani nomboro dzotlhe dzi re khulwane kha 675. \_\_\_\_\_



Dzhenisani < kana > =

- a. 670 \_\_\_\_\_ 607                      b. 688 \_\_\_\_\_ 699  
 c. 600 + 50 + 5 \_\_\_\_\_ 655



Padukanyani nomboro yanu.

- a. Fhatani nomboro inwe na inwe nga magarata anu.  
 b. Nwalani velu ya didzhiti inwe na inwe. Zwino itani hezwi: Padukanyani nomboro yanu.

686	
690	
699	
673	
665	

Tsumbo: 632

600
30
2
632

632 = 600 + 30 + 2



Nwalani madzina a mbalo.

672	
693	
607	
697	
660	



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

70

Deithi:

# Nomboro 650 u swika kha 750

Themo ya 3



Vhalani ni n̄wale.

- a. Vhalani ni tshi ya phanda u bva kha 650 u swika kha 750. Bulani nomboro ni tshi khou ralo u vhala.

650

750

					657			
661							669	
		683		685				
		703						
			714					
		723			727			
741		743					749	750

- b. N̄walani nomboro dzi no khou t̄ahela kha giridi i re af̄ho n̄t̄ha.  
c. N̄walani nomboro dza 10 dzi no tevhela 650.

650; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- d. N̄walani nomboro dza 8 dzi no tevhela dzi kha phetheni ya dzi2.

705; 707; 709; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- e. N̄walani nomboro dzo t̄he dzi re kha phetheni ya dzi3 u bva kha 719 u swika kha 749.

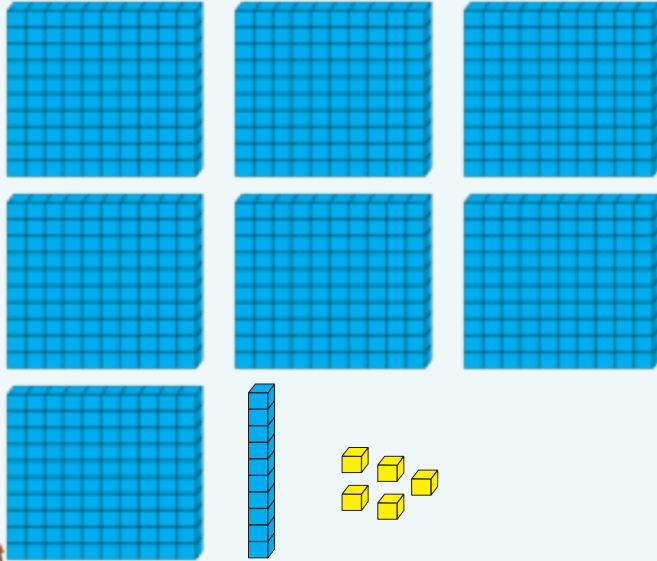
719; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 749

- f. N̄walani nomboro dza 8 dzi no tevhela dzi kha phetheni ya dzi5.

705; 710; 715; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Ni kona u vhalisa zwibuloko zwingana?



Zwibuloko izwi no zwi vhalisa hani?



Fhedzisani mitalombalo.

700			703				707		709	
							746	747	748	
					706	711	716			



Fhedzisani thebulu.

Nwalani u bva kha tshukhusa u ya kha khulwanesa

Nwalani u bva kha khulwanesa u ya kha tshukhusa

729, 720, 728, 721, 725		
659, 705, 607, 701, 706		



Nwalani zwi tevhelaho nga maipfi.

706	
-----	--

Teacher:

Sign:

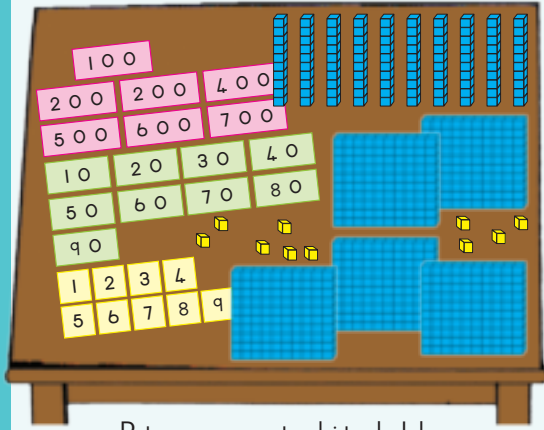
Date:

71

Deithi:

# Nomboro 700 u swika kha 750

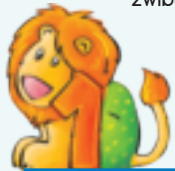
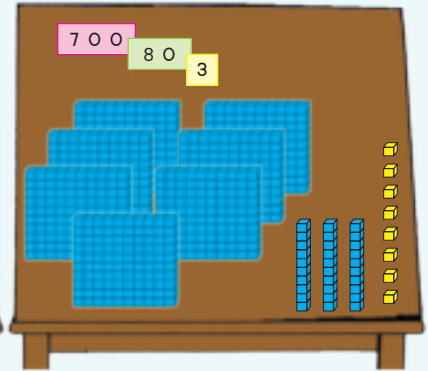
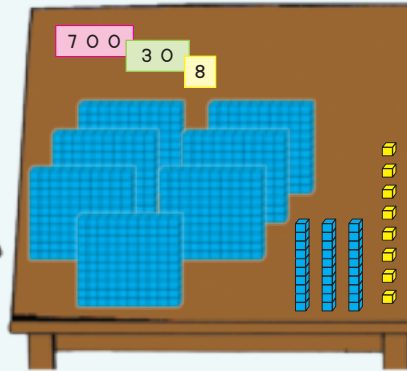
Themo ya 3



Peter u na garaṅa dzi tevhelaho dza vhuimo ha nomboro na zwibuloko zwa beisi ya fumi.

Mudededzi vha hambela Peter uri a sumbedze 738 nga magaraṅa na zwibuloko.

Ntakadzeni o sumbedza hezwi. O ita zwifhio zwo khakheaho?



Nwalani fhungombalo ni tevhedze nga phindulo.

$700 + 40 + 3 = 743$		



Nwalani fhungombalo ni tevhedze nga phindulo.

$700 + 40 + 5$ $=$	$700 + 30$  	$700 + 9$  
-----------------------	--------------------	-------------------



Fhedzisani mutalombalo.

699	700	701								709
-----	-----	-----	--	--	--	--	--	--	--	-----

Mpheni nomboro dzothe dzi re thukhu kha 704. \_\_\_\_\_

Mpheni nomboro dzothe dzi re khulwane kha 704. \_\_\_\_\_



Dzhenisani  $< \text{kana} > =$

a.  $750 \underline{\hspace{1cm}} 749$                       b.  $732 \underline{\hspace{1cm}} 723$

c.  $700 + 40 + 9 \underline{\hspace{1cm}} 749$



Paḍukanyani nomboro yaṅu.

a. Fhatani nomboro inwe na inwe nga magaraṭa aṅu.

b. Nwalani velu ya didzhiti inwe na inwe. Zwino itani hezwi: Paḍukanyani nomboro aṅu.

750	
728	
703	
730	
749	

Tsumbo: 747

700
40
7
747
747 = 700 + 40 + 7



Nwalani madzina a mbalo.

714	
750	
742	
738	
704	



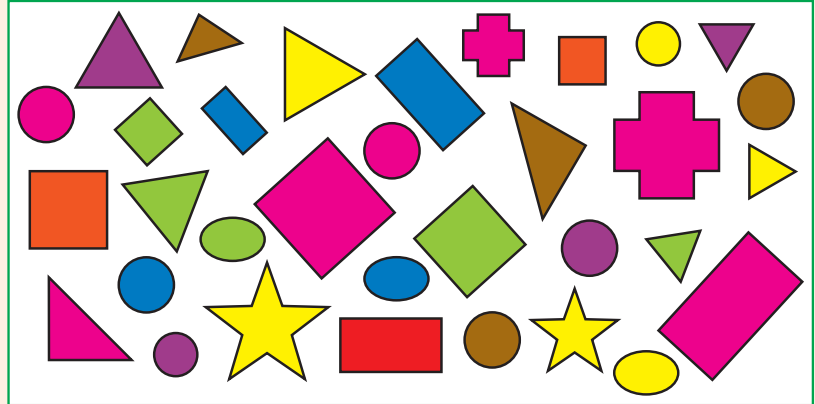
Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



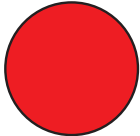



# Zwivhumbeo wa 2-D

Themo ya 4

Bulani uri tshivhumbeo tshi na lurumbutswititi kana lwo kutaho naa.

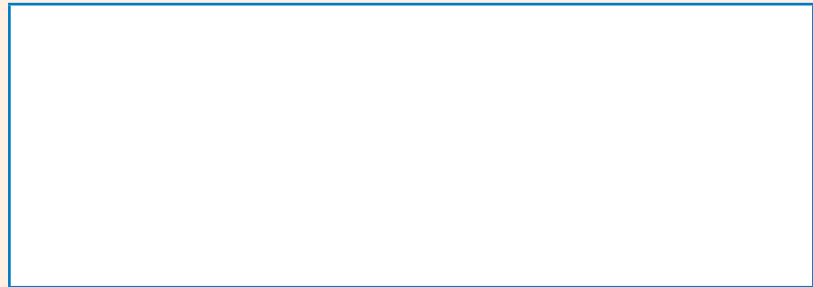


Bulani uri tshivhumbeo tshi na vhurumbuswititi kana dza zwipulumbu naa.



Ni nga ola zwivhumbeo zwingana zwi re na vhurumbuswititi.



Wanani zwifanyiso.

Wanani zwivhumbeo zwi re na memetswititi ni dzi nambatedze hafha.

Wanani zwivhumbeo zwi re na meme dza zwipulumbu ni zwi nambatedze hafha.

--	--







Fhedzisani zwi tevhelaho:

	Olani tshivhumbeo tshi kha zwiimo zwo fhambananaho.
tshiraiengele	
rekhithiengele	
tshikwea	



Fhedzisani thebulu:

	Bulani dzina la tshivhumbeo	Olani tshivhumbeo tsha tshi re tshituku	Olani tshivhumbeo tsha tshi re tshihulwane
			
			
			
			



Wanani zwikwea, tshiraiengele, rekhithiengele na zwitendeledzi zwa saizi dzo fhambananaho kha mimagazini kana maguranda.

Zwi nambatedzeni hafha:



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

# Mutanganyo na mutuso u swika kha 800

Themo ya 3



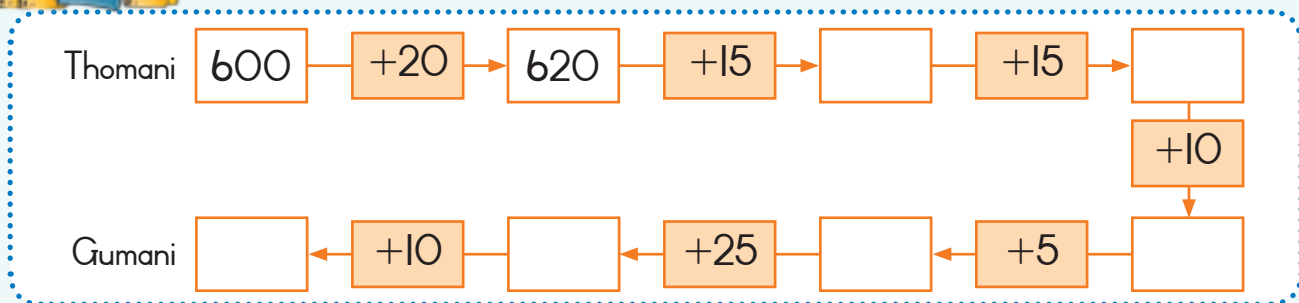
Ndi nga renga mini nga R500?

Ndi tshifhio tsha izwi zwithu tshine nda nga tshi renga nga R500?



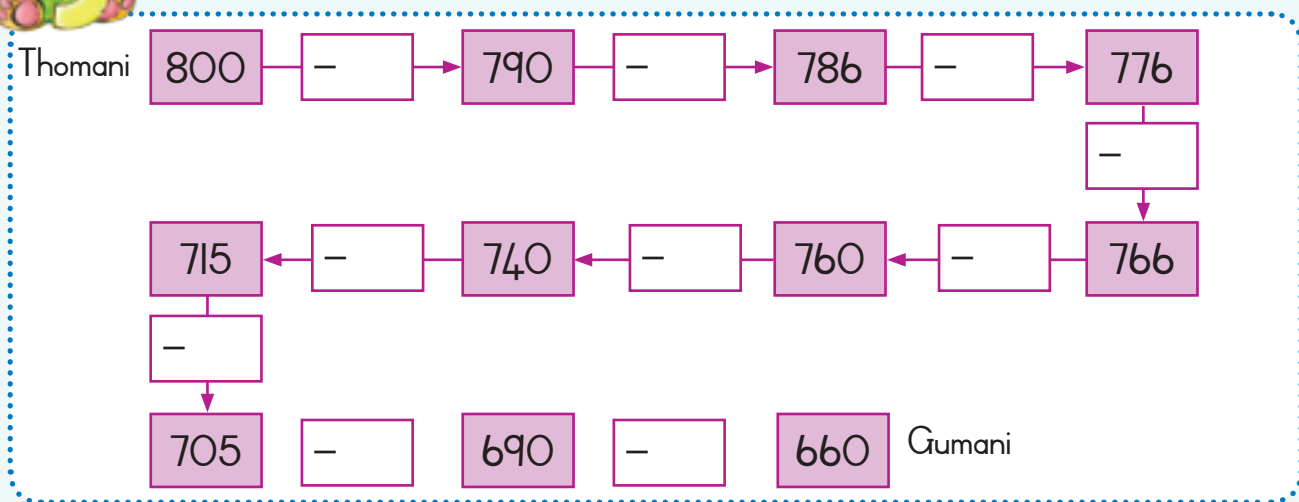
Tanganyani ni tshi ya phanda u bva kha 600.

Nwalani nomboro dzi no khou tahela.



Vhalani ni tshi humela murahu u bva kha 800.

Nwalani "tshintshi" hothe.





Tandululani zwi tevhelaho:

$725 + 53 =$	<input type="text"/>
--------------	----------------------

$664 + 87 =$	<input type="text"/>
--------------	----------------------

$564 + 132 =$	<input type="text"/>
---------------	----------------------

$75 + 717 =$	<input type="text"/>
--------------	----------------------



Tandululani zwi tevhelaho:

James o kuvhanganya mimavhulu ya 525.

Arali Nдавhe a mu fha miriwe mimavhulu ya 205, James o vha a tshi do vha e na ya tshivhalo tshi no lingana na tsha Nдавhe.

- Vhuvhili havho vho vha vha tshi do vha vhe na mimavhulu mingana?
- Nдавhe o vha e na mimavhulu mingana na u thomani?

- 
- 



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Deithi:

# Mutanganyo na mutuso hafhu u swika kha 800

Themo ya 3

Miṭa ya nomboro.

Ri a kona u fhaṭa miṭa ya nomboro.

Muṭa muṅwe na muṅwe u na nomboro mbili khulwane na nthihi ṭhukhu.

Tsumbo ndi ya 4, 8 na 12.

$$4 + 8 = 12 \quad 8 + 4 = 12$$

$$12 - 8 = 4 \quad 12 - 4 = 8$$



Wanani miṭa ya nomboro.

Ṇwalani mafhungombalo a 4 a tshigwada tshinwe na tshinwe tsha nomboro.

6 8 14				
17 17 34				
25 45 70				
65 335 400				
240 260 500				



Sedzani vhushaka.

Kha nyito iyi ri do topola phatheni.

$360 - 50 = \square$	$50 + \square = 360$	$\square + 50 = 360$
$570 - 480 = \square$	$480 + \square = 570$	$\square + 480 = 570$
$430 - 31 = \square$	$31 + \square = 430$	$\square + 31 = 430$
$676 - 70 = \square$	$70 + \square = 676$	$\square + 70 = 676$
$799 - 701 = \square$	$701 + \square = 799$	$\square + 701 = 799$



## Lwendo lulapfu.

Vho Ndwambi vha reila vha tshi ya u tolela mme avho vha no dzula vhukule ha 352 km u bva ha Vho Ndwambi. Vha swika hune vha ima vho no tshimbila 166 km. Vho salelwa nga lwendo lungafhani?

<p>Musiiwa u ita hezwi:</p> $352 - 166$ $+4 \quad +30 \quad +100 \quad +52$ $30 + 4 + 100 + 52$ $= 134 + 52 = 186 \text{ km}$	<p>Phophi u ita hezwi:</p> $352 - 166$ $= 300 + 50 + 2$ $- 100 + 60 + 6$ <hr/> $= 300 + 40 + 12$ $- 100 + 60 + 6$ <hr/> $= 200 + 140 + 12$ $- 100 + 60 + 6$ <hr/> $= 100 + 80 + 6$ $= 186 \text{ km}$
<p>Mbali u ita hezwi:</p> $352 - 166$ $166 + 100 \rightarrow 266 + 34 \rightarrow 300 + 52 \rightarrow 352$ $100 + 34 + 52 = 134 + 52 = 186 \text{ km}$	<p>Peter u ita hezwi:</p> $352 - 166$ $= 352 - 100 - 66$ $= 252 - 66$ $= 252 - 52 - 14$ $= 200 - 14$ $= 186 \text{ km}$
<p>Veronica u ita hezwi:</p> $352 - 166$ $352 - 152 = 200$ $200 - 14 = 200 - 10 - 4$ $= 190 - 4$ $= 186 \text{ km}$	<p>Livhu u humbula nga nyingakavhili (davhulu) na dzihafu:</p> <p>Hafu ya 352 ndi 176 Fhedzi ndi tea u dzhia 166 fhedzi, zwino ndi tanganya (vhuyedzedza) murahu 10. <math>176 + 10 = 186 \text{ km}</math></p>

Ambani nga ngila dzo fhambananaho. Ndi ngila ifhio ine na i takalelesa? Ngani?



## Tandululani zwi tevhelaho kha bammbiri linwe:

Shumisani inwe na inwe ya ngila dzi re afho ntha.

$$746 - 328$$

$$800 - 499$$



Teacher:

Sign:

Date:

75

Deithi:

# Mutanganyo na mutuso u swika kha 800 hafhu

Themo ya 3



Fhatani miṭa ya nomboro ya inwi muṇe.

Nyito ya u didudedza.

Tsumbo: Vhumbani 17

8 9 17

5 12 17



$$\begin{aligned} 5 + 12 &= 17 \\ 12 + 5 &= 17 \\ 17 - 12 &= 5 \\ 17 - 5 &= 12 \end{aligned}$$

$$\begin{aligned} 8 + 9 &= 17 \\ 9 + 8 &= 17 \\ 17 - 9 &= 8 \\ 17 - 8 &= 9 \end{aligned}$$



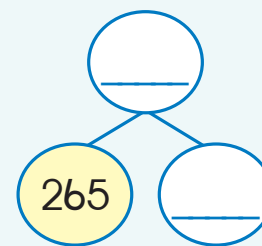
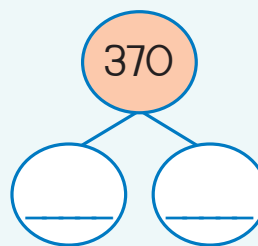
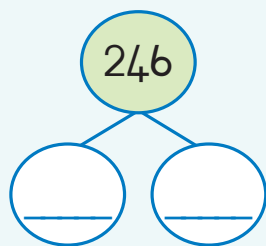
Tolani!  
Vhambedzani!  
Lulamisani!

Ni tshi itela nomboro inwe na inwe i re afho fhasi, nangani dza 2 ni fhatḗ muṭa. Nwalani mafhungombalo maṇa (mavhili a + na mavhili a -) kha muṭa muṇwe na muṇwe wa nomboro.

			+	+	-	-
16	7	9	$7 + 9 = 16$	$9 + 7 = 16$	$16 - 9 = 7$	$16 - 7 = 9$
20						
200						
75						
50						
500						
190						



Tolani!  
Vhambedzani!  
Lulamisani!





## U hafulela u tusa.

Arali ni tshi divha dzihafu na nyingakavhili dzau, tshinwe tshifhinga ni nga dzi shumisa kha u tangany kana u tusa. **Tsumbo:**

$34 - 18 = 16$	$190 - 97$	$65 + 69$	$242 + 249$
$34 - 17 = 17$	$190 - 95 = 95$	$65 + 65 = 130$	$= 242 + 242 + 7$
$17 - 1 = 16$	$95 - 2 = 93$	$130 + 4 = 134$	$= 484 + 7$
			$= 491$

Zwino edzisani hezwi:

$340 - 176$	$145 + 148$	$900 - 452$
-------------	-------------	-------------



## Sedzesani ndila (ngona).

Munwe na munwe wa vhana vha 25b u wana mpho ya Khirisimusi. Hafu yavho vha fhiwa mipopi ineno inwe hafu i tshi fhiwa zwimodoro. Ndi vhangana vhe vha fhiwa zwimodoro.

Ndila 1	Ndila 2
$25b = 200 + 50 + b$ → Hafu ya 200 ndi 100 → Hafu ya 50 ndi 25 → Hafu ya $b$ ndi 3 $100 + 25 + 3 = 128$ → Hafu ya 25 <u>b</u> ndi 128 Zwi amba uri vha 128 vha fhiwa zwimodoro.	→ Hafu ya 250 = 125 → Hafu ya $b$ ndi 3 $125 + 3 = 128$ → Hafu ya 25 <u>b</u> ndi 128. Zwi amba uri vha 128 vha fhiwa zwimodoro.



## Tandululani zwi tevhelaho kha bammbiri linwe:

Shumisani inwe na inwe ya ndila dzi re afho ntha.

Munwe na munwe wa vhana vha 728 u fhiwa thoyi resituarenteni ya henefho. Hafu yavho vha fhiwa zwibulokozwifhati. Ndi vhangana vhe vha fhiwa zwibulokozwifhati.

Munwe na munwe wa vhana vha 642 u fhiwa mafini. Hafu yavho vha fhiwa mafini dzi re na matshakatshaka a tshokoleithi. Ndi vhangana vhe vha fhiwa mafini dzi re na matshakatshaka a tshokoleithi.



# Phetheni dza nomboro: u bva kha mahumi u swika kha 800



Ni nga ri vhudza mini nga nomboro dzi re zwibulokoni zwi re na muvhala?

Vhalani mahumi u bva kha 710 u swika kha 800. Ndi nomboro dzifhio dzi no tevhela 720 arali ni tshi khou vhala nga mahumi?

Vhalani ni tshi ya murahu nga mahumi u bva kha 800 u swika kha 710.

Ndi nomboro dzifhio dzi no tevhela 760 arali ni tshi khou vhala ni tshi humela murahu?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Fhedzisani mafhungombalo.

720; 730; 740; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

800; 790; 780; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Tanganyani kana ni tuse fumi.

1. Tanganyani fumi kha nomboro ye na newa.  
Ro dzula ro ni itela ya u thoma.

a.  $767 + 10 = 777$

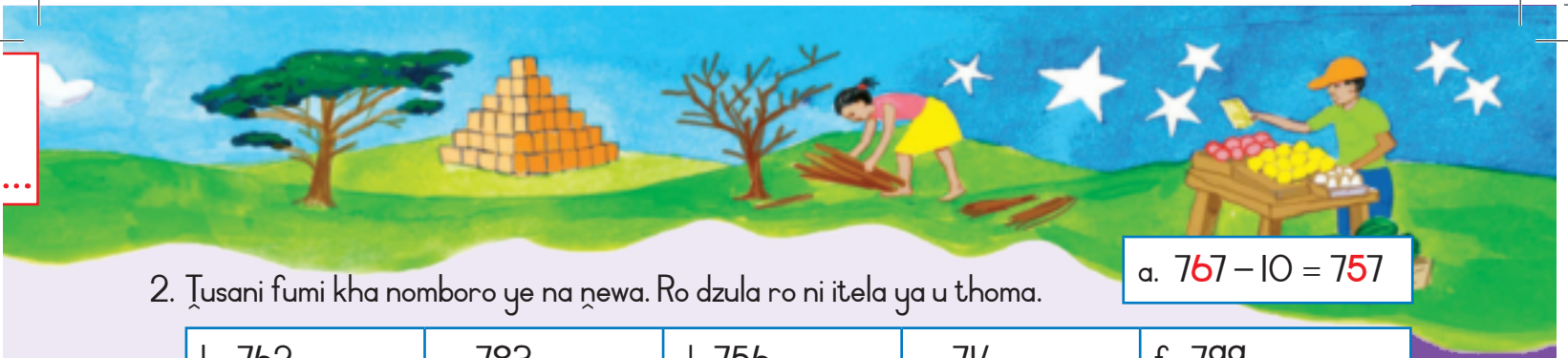
b. 762 \_\_\_\_\_

c. 783 \_\_\_\_\_

d. 756 \_\_\_\_\_

e. 714 \_\_\_\_\_

f. 799 \_\_\_\_\_



a.  $767 - 10 = 757$

2. T̄usani fumi kha nomboro ye na newa. Ro dzula ro ni itela ya u thoma.

- |        |        |        |        |        |
|--------|--------|--------|--------|--------|
| b. 762 | c. 783 | d. 756 | e. 714 | f. 799 |
|--------|--------|--------|--------|--------|

3. Hu bvelela mini musu ni tshi tanganya kana u t̄usa fumi kha nomboro dzi re afho nt̄ha?



Lavhelesani zwitendeledzi zwitswuku zwi re kha bodo ya nomboro.

a. Ndi zwifhio zwine na vhona kha zwitendeledzi izwi? \_\_\_\_\_

b. Tharamudzani thevhekano ya nomboro dzi

tevhelaho:

799; 789; 779; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

704; 714; 724; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

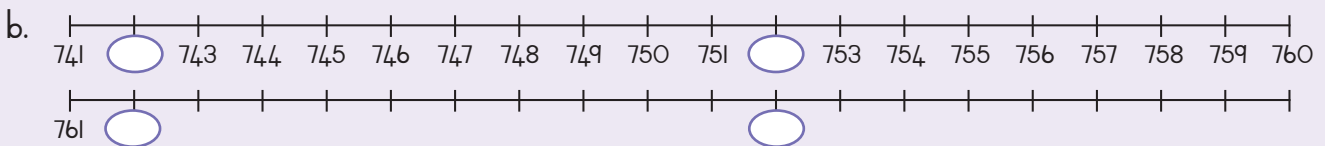
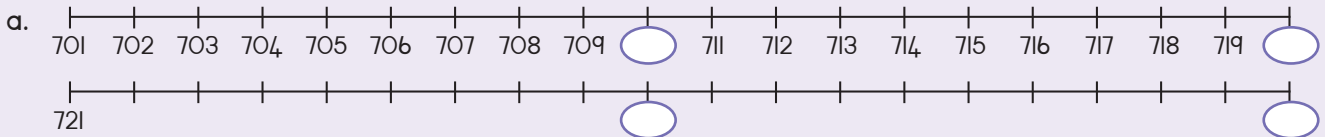
782; 772; 762; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

715; 725; 735; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

737; 747; 757; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Dzhenisani (niwalani) nomboro yone tshitendeledzini tshinwe na tshinwe kha mitalombalo iyi.



Ndi na nomboro ya didzhiti dza 3.

Didzhiti ya u thoma ndi 7, i no tevhela ndi khulwane kha sumbe nga thihi, didzhiti ya u fhedzisela ndi t̄hukhu kha sumbe nga thihi.



Arali na vhala ni tshi ya phanda nga mahumi u bva kha nomboro iyi, nomboro iyi i do vha ifhio?



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

Deithi:

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# U sendedza tsini zwa vha mahumi

Themo ya 3

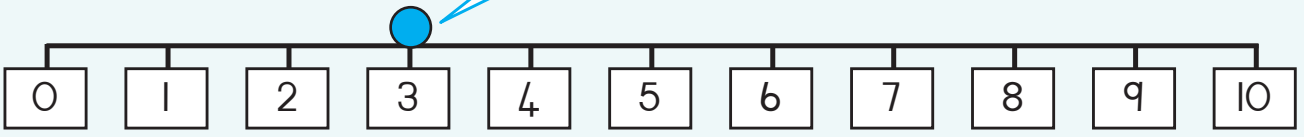
Nomboro dzotlhe u thoma kha 4 u ya murahu dzi go sendedzwa tsini dza vha 0.

Nomboro dzotlhe u thoma kha 5 u ya phanda dzi go sendedzwa tsini dza vha 10.

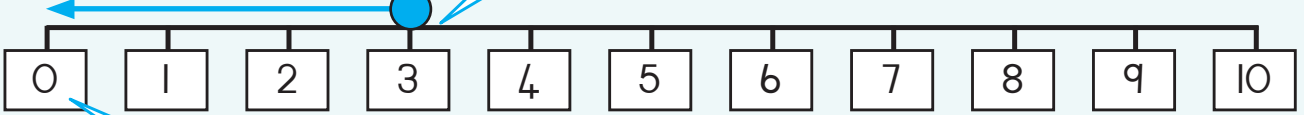


Kha ri ambe

Lavhelesani 3 kha mutalombalo.



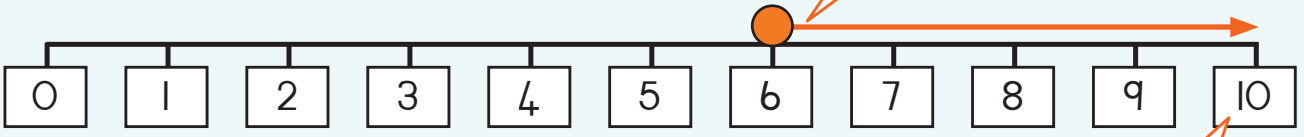
3 i go vha mini musi yo sendedzwa tsini?



3 yo sendedzwa tsini na fumi ya tsinisa i go vha zero.

Itani zwi no fana (zwenezwo) kha:

6 i go vha mini musi yo sendedzwa tsini na fumi ya tsinisa?



Phindulo i go vha 10.



## Sendedzani tsini na 10 ya tsinisa.

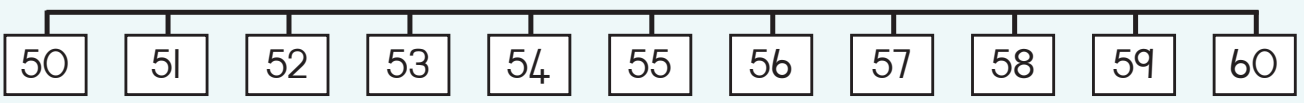
12 yo sendedzwa tsini ndi? \_\_\_\_\_

19 yo sendedzwa tsini ndi? \_\_\_\_\_



53 yo sendedzwa tsini ndi? \_\_\_\_\_

58 yo sendedzwa tsini ndi? \_\_\_\_\_





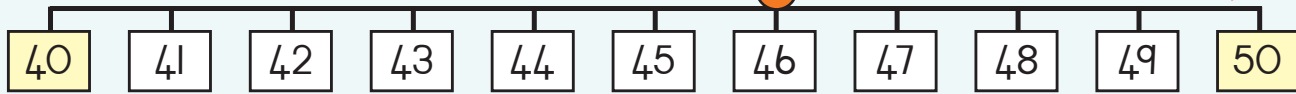
Sendedzani kha IO ya tsinisa ni tshi shumisa mitalombalo uri i ni tshuse.

a. 46

46

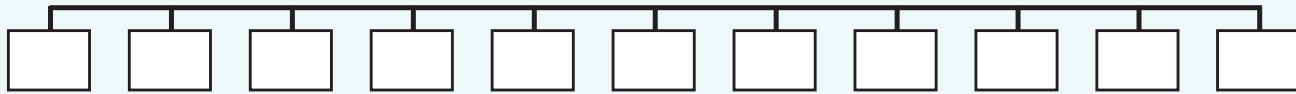
50

46 i vhukati ha fumi nngana mbili?



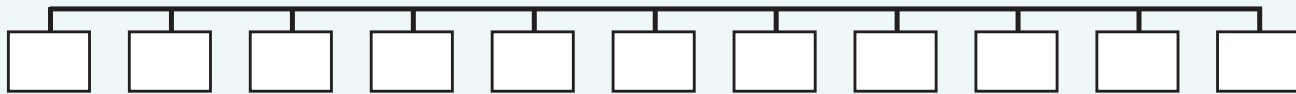
b. 63

63 i vhukati ha fumi nngana mbili?



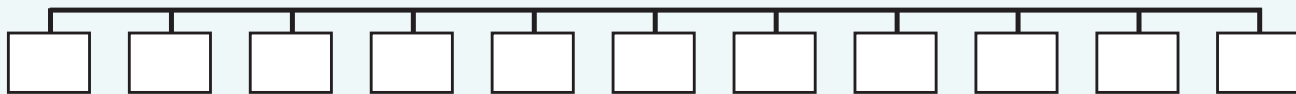
c. 37

37 i vhukati ha fumi nngana mbili?



d. 99

99 i vhukati ha fumi nngana mbili?



Tom u na R4,8,00.



Phakhethe ya magaraṭa e a a kuvhanganya i dura R5,00.

A nga kona u renga phakhethe nngana dza magaraṭa nga R4,8,00? \_\_\_\_\_



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

## Mutanganyo: t̄hanu u swika kha 75

Themo ya 3

Ndi zwifhio zwi re  
zwiṭanuzwiṭanu?

Minwe ya tshanda  
tshithihi.



Hu na minwe mingana  
kha:

zwanda zwa 2?

zwanda zwa 3?

zwanda zwa 4?

zwanda zwa 5?

zwanda zwa 6?

zwanda zwa 7?

zwanda zwa 8?

zwanda zwa 9?

zwanda zwa 10?

Livhanyani mbalo na  
mbudziso dzi re kha tsha  
monde:

$$9 \times 5 = 45$$

$$7 \times 5 = 35$$

$$2 \times 5 = 10$$

$$4 \times 5 = 20$$

$$3 \times 5 = 15$$

$$5 \times 5 = 25$$

$$10 \times 5 = 50$$

$$6 \times 5 = 30$$

$$8 \times 5 = 40$$



Fhedzisani thebulu.

U vhea nga zwigwada	U andisa	U kovhela	Kovhani
zwigwada zwa 2 zwa 5	$2 \times 5 = 10$	Kovhelani 10 kha vha 5	$10 \div 5 = 2$
zwigwada zwa 7 zwa 5		Kovhelani 35 kha vha 5	
zwigwada zwa 12 zwa 5		Kovhelani 60 kha vha 5	
zwigwada zwa 15 zwa 5		Kovhelani 75 kha vha 5	



Fhedzisani thebulu.

U kovhela	Kovhani
Kovhelani 12 kha vha 5	$12 \div 5 = 2$ ha sala 2
Kovhelani 64 kha vha 5	
Kovhelani 39 kha vha 5	
Kovhelani 73 kha vha 5	



## Fhedzisani nyolo dza muelo.

nomboronzheniswa

- 11
- 12
- 13
- 14
- 15

nomboromviswa

- 
- 
- 
- 
- 

mulayo

$\times 5$

nomboronzheniswa

- 16
- 17
- 18
- 19
- 20

nomboromviswa

- 
- 
- 
- 
- 

mulayo

$\times 5$

nomboronzheniswa

- 5
- 10
- 15
- 25
- 30

nomboromviswa

- 
- 
- 
- 
- 

mulayo

$\div 5$

nomboronzheniswa

- 55
- 60
- 65
- 70
- 75

nomboromviswa

- 
- 
- 
- 
- 

mulayo

$\times 5$



## Fhedzisani thebuḽu dzi re afho fhasi:

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

$\times$	11	12	13	14	15	16	17	18	19	20
5										

Phindulo dzine dza tea u nwalwa kha zwiḽuḽoko zwa lutombo no dzi wanisa hani?



## Tandululani zwi tevhelaho:

Mme anga vho renga phakhethe dza maḽegere dzi no ḽura R70. Vho renga phakhethe nthihi nga R5.  
Ndi phakhethe nngana dza maḽegere dze vha renga?



## Phetheni dza nomboro: u bva kha t̃hanu u ya kha 800

Themo ya 3



Ni nga ri vhudza mini nga nomboro dzi re kha zwibuloko zwa muvhala wa tshitopana?

Vhalani t̃hanu u bva kha 705 u swika kha 800. Ndi nomboro dzifhio dzi no tevhela 720 arali ni tshi khou vhalela nga t̃hanu?

Vhalani ni tshi ya murahu nga t̃hanu u bva kha 800 u swika kha 705.

Ndi nomboro dzifhio dzi no tevhela 730 arali ni tshi khou vhala ni tshi humela murahu?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Fhedzisani mafhungombalo.

725; 730; 735; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_      800; 795; 790; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Tanganyani kana ni t̃use t̃hanu.

I. Tanganyani t̃hanu kha nomboro ye na ñewa. Ro dzula ro ni itela ya u thoma.

$$a. 760 + 5 = 765$$

b. 725 \_\_\_\_\_      c. 780 \_\_\_\_\_      d. 755 \_\_\_\_\_      e. 715 \_\_\_\_\_      f. 790 \_\_\_\_\_



a.  $765 - 5 = 760$

2. Tšani tšhanu kha nomboro ye na newa. Ro dzula ro ni itela ya u thoma.

b. 760 _____	c. 785 _____	d. 750 _____	e. 715 _____	f. 790 _____
--------------	--------------	--------------	--------------	--------------

3. Hu bvelela mini musu ni tshi tšanganya kana u tšusa tšhanu kha nomboro dzi re afho ntšha?

\_\_\_\_\_



Lavhelesani zwitendeledzi zwitswuku zwi re kha bodo a nomboro.

a. Ndi zwifhio zwine na vhona kha zwitendeledzi izwi? \_\_\_\_\_

b. Tharamudzani thevhekano ya nomboro

dzi tevhelelaho:

701; 706; 711; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

703; 708; 713; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

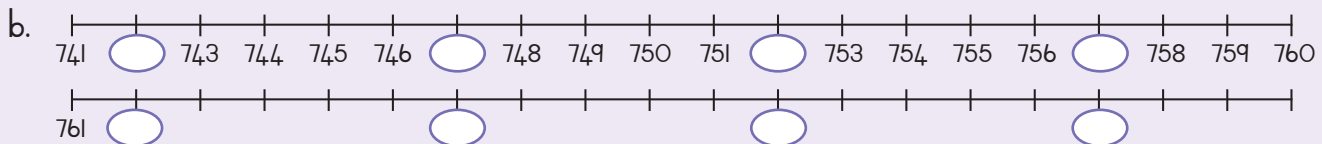
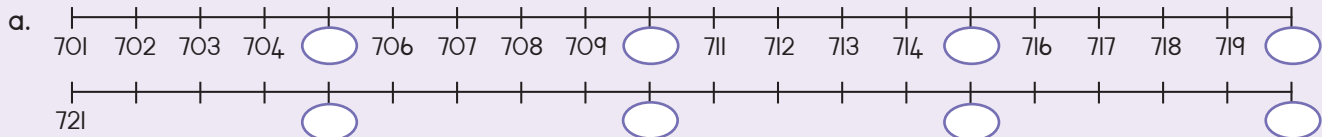
722; 727; 732; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

753; 758; 763; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

714; 719; 724; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_



Dzhenisani (riwalani) nomboro yone tshitendeledzini tshinwe na tshinwe kha mitalombalo iyi.



Ndi na nomboro ya didzhiti dza 3.

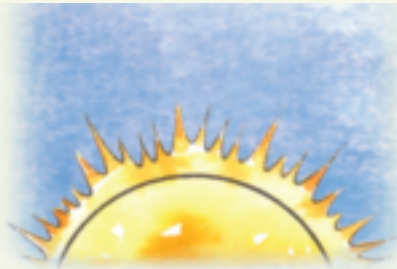
Didzhiti ya u thoma ndi 7, i no tevhela ndi khulwane kha sumbe nga thihi, didzhiti ya u fhedzisela ndi tšukhu kha sumbe nga thihi.

Arali na vhala ni tshi ya phanda nga mahumi u bva kha nomboro iyi, nomboro iyi i do vha ifhio? \_\_\_\_\_



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

# Tshifhinga tsha masiari na tshifhinga tsha vhusiku



## Cape Town

Thebulu i re afho fhasi i sumbedza u tsha ha duvha na u kovhela halo nga zwifhinga zwo fhambananaho doroboni ya Cape Town. Vhalani zwifhinga zwi re kha thebulu iyi ni kone u dadza thebulu nga zwithu zwo teaho musini sa athu fhindula mbudziso dzi re afho fhasi.



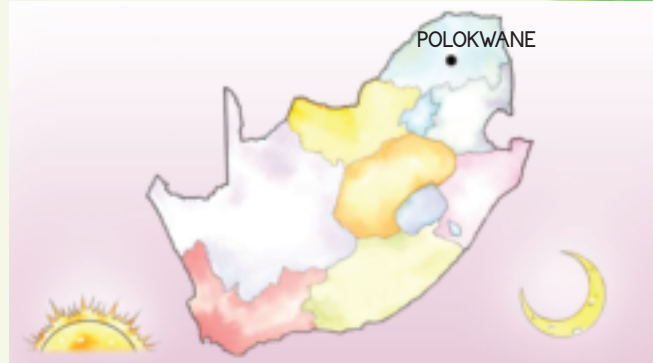
Cape Town	U tsha ha duvha	U kovhela ha duvha	Vhulapfu ha duvha	Vhulapfu ha vhusiku
Thafamuhwe 23	6:53 am	6:53 pm		
Fulwi 21	7:51 am	5:44 pm		
Khubvumedzi 19	6:41 am	6:41 pm		
Nyendavhusiku 22	5:32 am	7:58 pm		

- Ndi nga nwedzi ufho hune masiari na vhusiku zwa vha zwo lapfa u fana? \_\_\_\_\_
- Ndi nwedzi ufho une wa vha na maduvha malapfusa? \_\_\_\_\_
- Ndi nwedzi ufho une wa vha na maduvha mapufhisa? \_\_\_\_\_
- Wanani phambano ya awara na miminete vhukati ha duvha lilapfusa na duvha lipufhisa. \_\_\_\_\_
- Wanani vhulapfu ha masiari na vhusiku zwa deithi inwe na inwe afho kha thebulu. \_\_\_\_\_



## Polokwane

Thebuḽu i re afho fhasi i sumbedza u tsha ha ḽuvha na u kovhela haḽo nga zwifhinga zwo fhambananaho ḽoroboni ya Polokwane. Vhalani zwifhinga zwi re kha thebuḽu iyi ni kone u ḽadza thebuḽu nga zwithu zwo teaho musu ni sa athu fhindula mbudziso dzi re afho fhasi.



Polokwane	U tsha ha ḽuvha	U kovhela ha ḽuvha	Vhulapfu ha ḽuvha	Vhulapfu ha vhusiku
Tḽhafamuhwe 25	6:08 am	6:08 pm		
Fulwi 21	6:44 am	5:24 pm		
Khubvumedzi 17	5:57 am	5:57 pm		
Nyendavhusiku 22	5:13 am	6:50 pm		

- Ndi nga ḽwedzi ufhio hune masiari na vhusiku zwa vha zwo lapfa u fana? \_\_\_\_\_
- Ndi miḽwedzi ifhio kha yeneyi hune vhulapfu ha ḽuvha ha fana hoḽhe Cape Town na Polokwane? \_\_\_\_\_
- Ndi nga miḽwedzi ifhio hune zwa fhambana? \_\_\_\_\_
- Wanani phambano ya awara na miminete vhukati ha ḽuvha liḽapfusa na ḽuvha liḽpufhisa.  
\_\_\_\_\_
- Wanani **vhulapfu** ha **masiari** na **vhusiku** zwa deithi iḽwe na iḽwe afho kha thebuḽu.  
\_\_\_\_\_



Humbelani muḽwe muḽhu a ni thuse u wana zwifhinga zwa u tsha na u kovhela ha ḽuvha afho hune na dzula hone.

Zwi ḽwaleni kha vhege nthihi. Maḽuvha a khou lapfa kana a khou pfufhifhala?

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

## Muandiso: mbili u swika kha 75

Ndi zwifhio zwi no tshimbila nga zwihilizwihili? Phere nthihi ya zwienda.



Fhedzisani thebulu.

Ndi zwienda zwingana zwi no ita

Phere ya 1 ya zwienda?  
Phere dza 2 dza zwienda?  
Phere dza 3 dza zwienda?  
Phere dza 4 dza zwienda?  
Phere dza 5 dza zwienda?  
Phere dza 6 dza zwienda?  
Phere dza 7 dza zwienda?  
Phere dza 8 dza zwienda?  
Phere dza 9 dza zwienda?  
Phere dza 10 dza zwienda?

Ndi zwienda zwingana zwi no ita

$1 \times 2 = 2$   
 $9 \times 2 = 18$   
 $7 \times 2 = 14$   
 $2 \times 2 = 4$   
 $4 \times 2 = 8$   
 $3 \times 2 = 6$   
 $5 \times 2 = 10$   
 $10 \times 2 = 20$   
 $6 \times 2 = 12$   
 $8 \times 2 = 16$

U vhea nga zwigwada	Andisani	U kovhela	Kovhani
zwigwada zwa 10 zwa 2	$10 \times 2 = 20$	Kovhani zwa 20 kha vha 2	$20 \div 2 = 10$
zwigwada zwa 15 zwa 2		Kovhani zwa 30 kha vha 2	
zwigwada zwa 20 zwa 2		Kovhani zwa 40 kha vha 2	
zwigwada zwa 35 zwa 2		Kovhani zwa 70 kha vha 2	



Fhedzisani thebulu.

U kovhela	Kovhani
Kovhani zwa 21 kha vha 2	$21 \div 2 = 10$ ha sala 1
Kovhani zwa 33 kha vha 2	
Kovhani zwa 67 kha vha 2	
Kovhani zwa 75 kha vha 2	



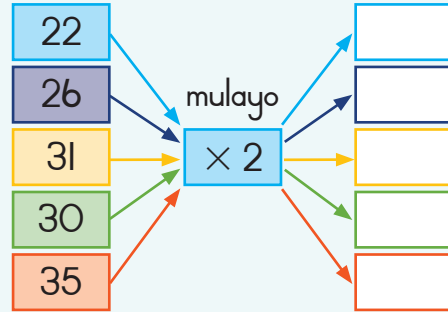
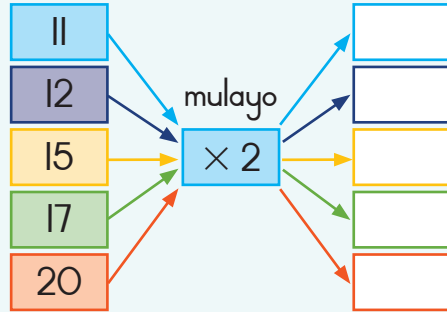
## Fhedzisani nyolo dza muelo.

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nomboromviswa

nomboronzheniswa

nomboromviswa

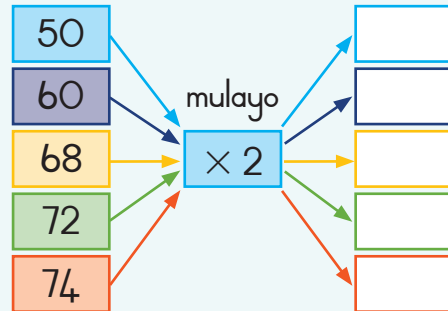
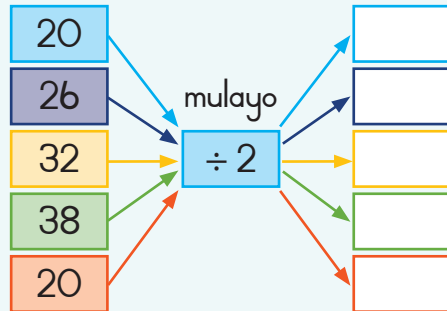


nomboronzheniswa

nomboromviswa

nomboronzheniswa

nomboromviswa



## Fhedzisani thebuḽu dzi re afho fhasi:

×	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
2																					

×	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
2																	



## Thasululani zwi tevhelaho:

Ndo renga maḽegere a thanda a 36 nga R2.  
 Ndo a renga nga R50, R20 na nga khoini ya R5.  
 Tshintshi yanga yo vha vhugai?



○  
 □  
 △

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

# Phetheni dza nomboro: mbilimbili (dzi2) u swika kha 800

Themo ya 3



Ni nga amba mini nga zwibuloko zwi re na muvhala wa tshitopana?

Vhalani nga mbili u bva kha 700 u swika kha 800. Hu tevhela mini musu no no vhalala 700 nga mbili?

Vhalani ni tshi humela murahu nga ṭhanu u bva kha 800 u swika kha 710.

Ndi mini tshi no rangela 750 musu ni tshi vhalala ni tshi ya murahu?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Fhedzisani mitevhe ya nomboro.

720; 722; 724; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

800; 798; 796; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Tanganyani kana ni ṭuse mbili.

I. Tanganyani mbili kha nomboro ye na n̄ewa.  
Ro dzula ro ni itela ya u thoma.

a.  $7b4 + 2 = 7b6$

b. 7b2 \_\_\_\_\_

c. 783 \_\_\_\_\_

d. 75b \_\_\_\_\_

e. 714 \_\_\_\_\_

f. 799 \_\_\_\_\_



2. Tšusani mbili kha nomboro ye na n̄ewa. Ro dzula ro ni itela ya u thoma.

a.  $764 - 2 = 762$

b. 762 _____	c. 783 _____	d. 756 _____	e. 714 _____	f. 799 _____
--------------	--------------	--------------	--------------	--------------

3. Hu bvelela mini musu ni tshi tšanganya kana u tšusa mbili kha nomboro dzi re afho n̄ha?



Lavhelesani zwitendeledzi zwa muvhala wa lutombo kha bodo ya nomboro.

a. Ni vhona mini kha zwitendeledzi izwi? \_\_\_\_\_

- b. Tšharamudzani mitevhhe i tevhelaho ya nomboro:
- |                                      |
|--------------------------------------|
| 799; 797; 795; _____ ; _____ ; _____ |
| 783; 785; 787; _____ ; _____ ; _____ |
| 701; 703; 705; _____ ; _____ ; _____ |
| 779; 781; 783; _____ ; _____ ; _____ |
| 725; 727; 729; _____ ; _____ ; _____ |



Dzhenisani nomboro yone kha tshitendeledzi tshinwe na tshinwe kha mitalombalo iyi.

- a.
- |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |
|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
| 701 | ○ | 703 | ○ | 705 | ○ | 707 | ○ | 709 | ○ | 711 | ○ | 713 | ○ | 715 | ○ | 717 | ○ | 719 | ○ |
| 721 | ○ | ○   | ○ | ○   | ○ | ○   | ○ | ○   | ○ | ○   | ○ | ○   | ○ | ○   | ○ | ○   | ○ | ○   | ○ |
- b.
- |     |   |     |     |     |   |     |     |     |     |     |   |     |     |     |   |     |     |     |     |
|-----|---|-----|-----|-----|---|-----|-----|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|-----|
| 741 | ○ | 743 | 744 | 745 | ○ | 747 | 748 | 749 | 750 | 751 | ○ | 753 | 754 | 755 | ○ | 757 | 758 | 759 | 760 |
| 761 | ○ | ○   | ○   | ○   | ○ | ○   | ○   | ○   | ○   | ○   | ○ | ○   | ○   | ○   | ○ | ○   | ○   | ○   | ○   |



Ndi na nomboro ya didzhiti dza 3.

Didzhiti ya u thoma ndi 7, didzhiti i tevhelaho i n̄ha nga nomboro i no fhira 7 nga mbili, nahone didzhiti ya u fhedzisela ndi tšhukhu kha sumbe nga n̄a.

Arali na vhala ni tshi ya phanda nga mbili u thoma kha iyi nomboro, nomboro iyi i do vha mini?



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

## Muandiso:

## dzi2 na dzi5 u swika kha 75

Themo ya 3



Ni nga kona u f'hindula zwi tevhelaho nga luvhilo lungaf'hani?

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



Vhonani uri khonani yanga o ita mini.

$4 \times 2 = 8$

Ambani ngazwo.

Khonani yanga o sumbedza  $4 \times 2$  nga hei ndila:

Pfukani u vhala	Zwigwada zwi no lingana	Ndovhololo ya mutanganyo	Kuvhekanyele	Mbuno
2, 4, 6, 8		$2 + 2 + 2 + 2$	xx xx xx xx	$2 \times 4 = 8$ $4 \times 2 = 8$ $8 \div 4 = 2$ $8 \div 2 = 4$

Itani zwenezwo na hafha  $4 \times 5 = 20$ .

Pfukani u vhala	Zwigwada zwi no lingana	Ndovhololo ya mutanganyo	Kuvhekanyele	Mbuno



Andisani zwi tevhelaho:

$24 \times 3$ $= (20 + 4) \times 3$ $= (20 \times 3) + (4 \times 3)$ $= 60 + 12$ $= 72$	a. $13 \times 3$	b. $18 \times 3$
c. $12 \times 5$	d. $21 \times 3$	e. $14 \times 3$
f. $25 \times 3$	g. $12 \times 3$	h. $15 \times 5$



Thasululani zwi tevhelaho:

Ndo renga maḽegere a 14 nga R3.  
 Khonani yanga o renga maḽegere a 12 nga R5.  
 Vhuvhili hashu ro badela vhugai ya maḽegere?



Muandiso: tharu i swika kha 75

Themo ya 3

Ndi zwifhio zwi no tshimbila nga zwiraruzwiraru? Mavhili a thiraisikili



Hu na mavhili mangana kha

- thiraisikili ya 1?
- thiraisikili dza 2?
- thiraisikili dza 3?
- thiraisikili dza 4?
- thiraisikili dza 5?
- thiraisikili dza 6?
- thiraisikili dza 7?
- thiraisikili dza 8?
- thiraisikili dza 9?
- thiraisikili dza 10?

Livhangani thanganyelo na mbudziso i re kha tsha monde:

- $9 \times 3 = 27$
- $7 \times 3 = 21$
- $2 \times 3 = 6$
- $4 \times 3 = 12$
- $3 \times 3 = 9$
- $5 \times 3 = 15$
- $1 \times 3 = 3$
- $10 \times 3 = 30$
- $6 \times 3 = 18$
- $8 \times 3 = 24$



Fhedzisani thebulu.

U vhea nga zwigwada	Andisani	U kovhela	Kovhani
zwigwada zwa 11 zwa 3	$11 \times 3 = 33$	Kovhani zwa 33 kha vha 3	$33 \div 3 = 11$
zwigwada zwa 15 zwa 3		Kovhani zwa 45 kha vha 3	
zwigwada zwa 25 zwa 3		Kovhani zwa 60 kha vha 3	
zwigwada zwa 12 zwa 3		Kovhani zwa 36 kha vha 3	



Fhedzisani thebulu.

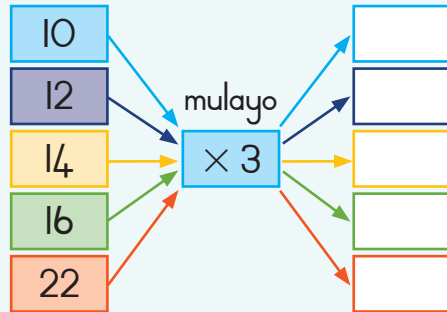
U kovhela	Kovhani
Kovhani zwa 37 kha vha 3	$37 \div 3 = 12$ ha sala 1
Kovhani zwa 74 kha vha 3	
Kovhani zwa 49 kha vha 3	
Kovhani zwa 68 kha vha 3	



## Fhedzisani nyolo dza muelo.

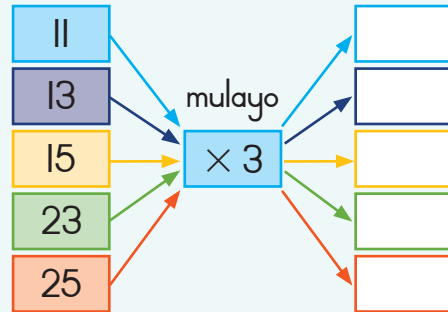
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nomboromviswa



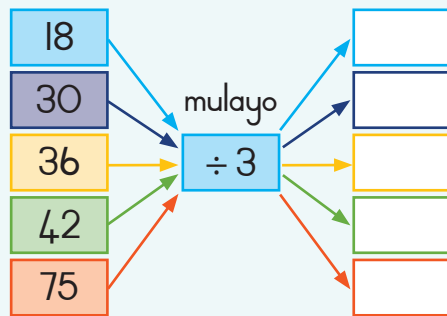
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nomboromviswa



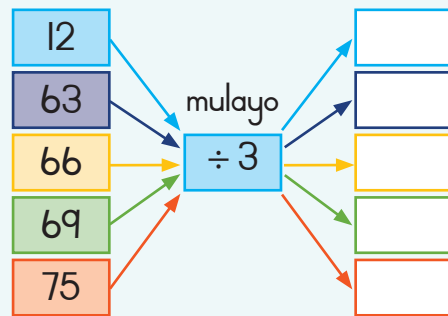
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nomboromviswa



nomboronzheniswa

nomboromviswa



## Fhedzisani thebulu dzi re afho fhasi:

×	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	3	6													

×	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4															

Phindulo dzi re kha zwiḅuloko zwa muvhala wa lutombo no dzi wanisa hani?



## Thasululani zwi tevhelaho:

Tshelede ya u dzhena yo vha i R3 kha ṅwana muṅwe na muṅwe nahone ho vha ho dzhena vhana vha 23 phakhani?



Teacher:

Sign:

Date:

## Muandiso:

dzi2, dzi3 na dzi4 u swika kha 75

Themo ya 3



Ni nga kona u fhindula zwi tevhelaho nga luvhilo lungafhani?

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




Vhonani uri khonani yanga o ita mini.

$5 \times 2 = 10$

Ambani ngazwo.

Ndo thoma nga u sumbedza  $5 \times 2$  nga hei ndila:

Pfukani u vhala	Zwigwada zwi no lingana	Ndovhololo ya mutanganyo	Kuvhekanye	Mbuno
2, 4, _ _ _		$2 +$ _ _ _	— rou ya 2 xx	$2 \times$ _ = _ $4 \times$ _ = _ — ÷ — = — — ÷ — = —

Itani zwenezwo na hafha  $8 \times 3 = 24$ .

Pfukani u vhala	Zwigwada zwi no lingana	Ndovhololo ya mutanganyo	Kuvhekanye	Mbuno

 $6 \times 4 = 24$ 

Pfukani u vhala	Zwigwada zwi no lingana	Ndovhololo ya mutanganyo	Kuvhekanye	Mbuno



Kovhani ni linge phindulo yanu.

$$63 \div 3$$

$$\begin{aligned}
 &= (60 + 3) \div 3 \\
 &= (60 \div 3) + (3 \div 3) \\
 &= 20 + 1 \\
 &= 21
 \end{aligned}$$

$$21 \times 3$$

$$\begin{aligned}
 &= (20 + 1) \times 3 \\
 &= (20 \times 3) + (1 \times 3) \\
 &= 60 + 3 \\
 &= 63
 \end{aligned}$$

a.  $48 \div 5$

b.  $64 \div 5$



Thasululani zwi tevhelaho:

Ntse ndi na khonani dzanga ri na R63 ro ṭanganela.  
 Ri khou ṭodou i kovhekana ri vhararu.  
 Muñwe no muñwe u do wana vhugai?



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

# Phetheni dza nomboro: tharu u swika kha 800

Themo ya 3



Ni nga amba mini nga zwibuloko zwi re na muvhala wa tshitopana?

Vhalani nga tharu u bva kha 703 u swika kha 799. Hu tevhela mini nga murahu ha 745 musi ni tshi vhala nga tharutharu?

Vhalani ni tshi ya murahu nga tharu u bva kha 799 u swika kha 703.

Ndi nomboro dzifhio dzi no rangela 766 musi ni tshi vhala ni tshi humela murahu?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Fhedzisani mutevhe wa nomboro.

703; 706; 709; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

799; 796; 793; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Tanganyani kana ni tuse raru.

1. Tanganyani raru kha nomboro ye na nawa.  
Ro dzula ro ni itela ya u thoma.

a.  $766 + 3 = 769$

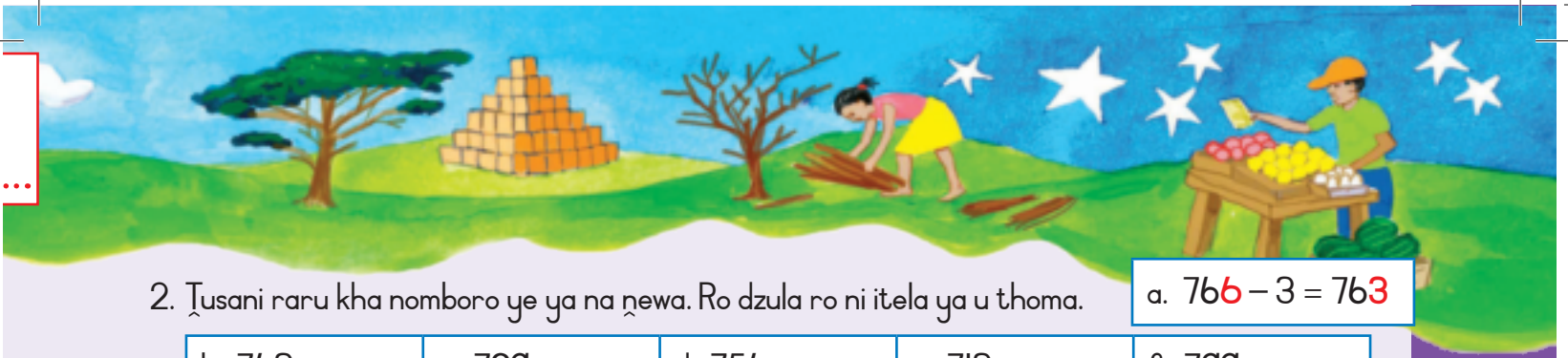
b. 766 \_\_\_\_\_

c. 783 \_\_\_\_\_

d. 756 \_\_\_\_\_

e. 713 \_\_\_\_\_

f. 790 \_\_\_\_\_



2. Tšusani raru kha nomboro ye ya na n̄ewa. Ro dzula ro ni itela ya u thoma.

a.  $766 - 3 = 763$

b. 763 _____	c. 789 _____	d. 756 _____	e. 713 _____	f. 799 _____
--------------	--------------	--------------	--------------	--------------

3. Hu bvelela mini musu ni tshi tšanganya kana u tšusa raru kha nomboro dzi re afho n̄tha?



Lavhelesani zwitendeledzi zwa muvhala wa lutombo kha bodo ya nomboro.

a. Ni vhona zwifhio kha zwitendedzi izwi? \_\_\_\_\_

b. Tharamudzani mitevhe i tevhelaho ya

nomboro:

782; 785; 788; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

704; 707; 710; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

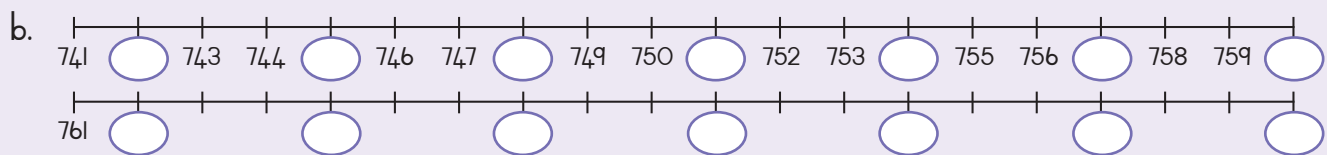
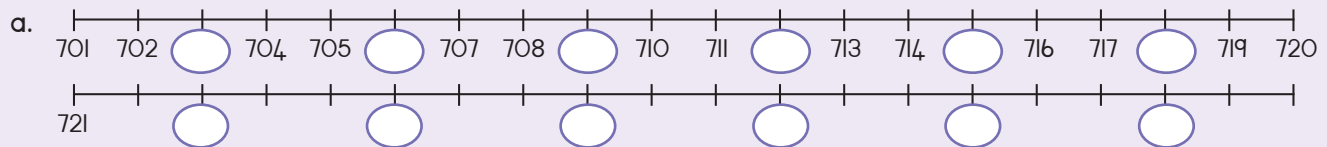
779; 782; 785; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

773; 776; 779; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

779; 776; 773; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_



Dzhenisani nomboro yone kha tshitendeledzi tshin̄we na tshin̄we kha mitalombalo iyi.



Ndi na nomboro ya didzhiti dza 3:

Didzhiti ya u thoma ndi 7, didzhiti i tevhelaho i n̄tha nga nomboro i no fhira sumbe nga mbili, nahone didzhiti ya u fhedzisela ndi tšukhu kha sumbe nga sumbe.

Zwino vhalani ni tshi ya phanda nga tharutharu u thoma kha heyi nomboro.

Ni wana nomboro ifhio? \_\_\_\_\_



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

# Muandiso: dziina u swika kha 75

Themo ya 3

Ndi zwifhio zwi no tshimbila nga zwiḽazwiḽa? Mavhili a modoro



Hu na mavhili mangana kha

- Gloi ya 1?
- Gloi dza 2?
- Gloi dza 3?
- Gloi dza 4?
- Gloi dza 5?
- Gloi dza 6?
- Gloi dza 7?
- Gloi dza 8?
- Gloi dza 9?
- Gloi dza 10?

Livhangani tḽhanganyelo na mbudziso i re kha tsha monde:

- $9 \times 4 = 36$
- $7 \times 4 = 28$
- $2 \times 4 = 8$
- $4 \times 4 = 16$
- $3 \times 4 = 12$
- $5 \times 4 = 20$
- $1 \times 4 = 4$
- $10 \times 4 = 40$
- $6 \times 4 = 24$
- $8 \times 4 = 32$



Fhedzisani thebuḽu:

U vhea nga zwigwada	Andisani	U kovha	Kovhani
Zwigwada zwa 12 zwa 4	$12 \times 4 = 48$	Kovhani zwa 48 kha vha 4	$48 \div 4 = 12$
Zwigwada zwa 16 zwa 4		Kovhani zwa 64 kha vha 4	
Zwigwada zwa 18 zwa 4		Kovhani zwa 72 kha vha 4	
Zwigwada zwa 15 zwa 4		Kovhani zwa 60 kha vha 4	



Fhedzisani thebuḽu:

U kovhela	Kovhani
Kovhani zwa 35 kha vha 4	$35 \div 4 = 8$ ha sala 3
Kovhani zwa 55 kha vha 4	
Kovhani zwa 70 kha vha 4	
Kovhani zwa 75 kha vha 4	



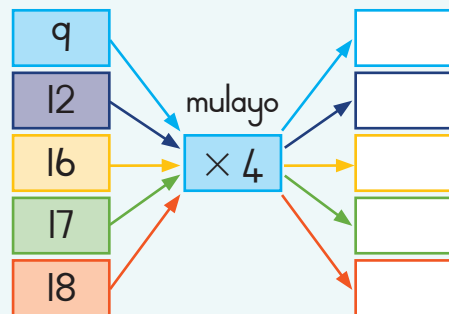
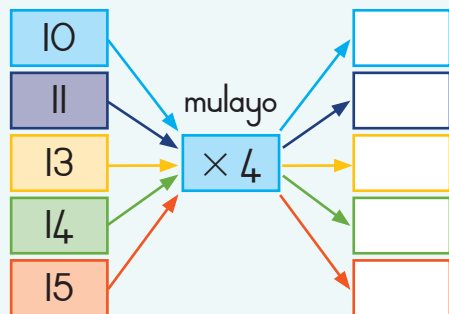
## Fhedzisani nyolo ya lubuvhi.

nomboronzheniswa

nomboromviswa

nomboronzheniswa

nomboromviswa

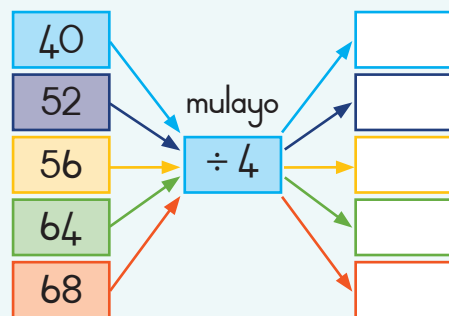
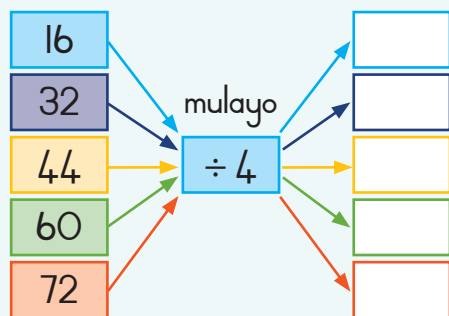


nomboronzheniswa

nomboromviswa

nomboronzheniswa

nomboromviswa



## Fhedzisani thebuḽu dzi re afho fhasi:

×	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4															
×	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4															

Phindulo dzi re kha zwiḽuḽo zwa muvhala wa lutombo no dzi wanisa hani?



## Thasululani zwi tevhelaho:

Ndi na R75.

Ndi zwiḽiḽa zwingana zwiḽuku zwa mpho zwa R4 zwine nda nga renga?



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

## Phetheni dza

## nomboro u swika kha 800

Themo ya 3



Ni nga amba mini nga zwibuloko zwi re na muvhala wa tshitopana?

Vhalani nga tharu u bva kha 704 u swika kha 800. Hu tevhela mini nga murahu ha 736 musi ni tshi vhala nga inaina?

Vhalani ni tshi humela murahu nga thanu u bva kha 800 u swika kha 704.

Ndi mini tshi no rangela 776 musi ni tshi vhala ni tshi ya murahu?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Fhedzisani mutevhe wa nomboro.

704; 708; 712; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

724; 728; 732; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Tanganyani kana ni tuse ina.

I. Tanganyani ina kha nomboro ye ya newa.  
Ro dzula ro ni itela ya u thoma.

a.  $764 + 4 = 768$

b.  $764$  \_\_\_\_\_

c.  $788$  \_\_\_\_\_

d.  $754$  \_\_\_\_\_

e.  $718$  \_\_\_\_\_

f.  $794$  \_\_\_\_\_



2. T̄usani iᅇa kha nomboro ye na ᅇewa. Ro dzula ro ni itela ya u thoma.

a.  $76\cancel{4} - 4 = 760$

- |              |              |              |              |              |
|--------------|--------------|--------------|--------------|--------------|
| b. 768 _____ | c. 784 _____ | d. 752 _____ | e. 714 _____ | f. 798 _____ |
|--------------|--------------|--------------|--------------|--------------|

3. Hu bvelela mini musu ni tshi t̄anganya kana u t̄usa iᅇa kha nomboro dzi re afho nᅇha?



Lavhelesani zwitendeledzi zwa muvhala wa lutombo kha bodo ya nomboro.

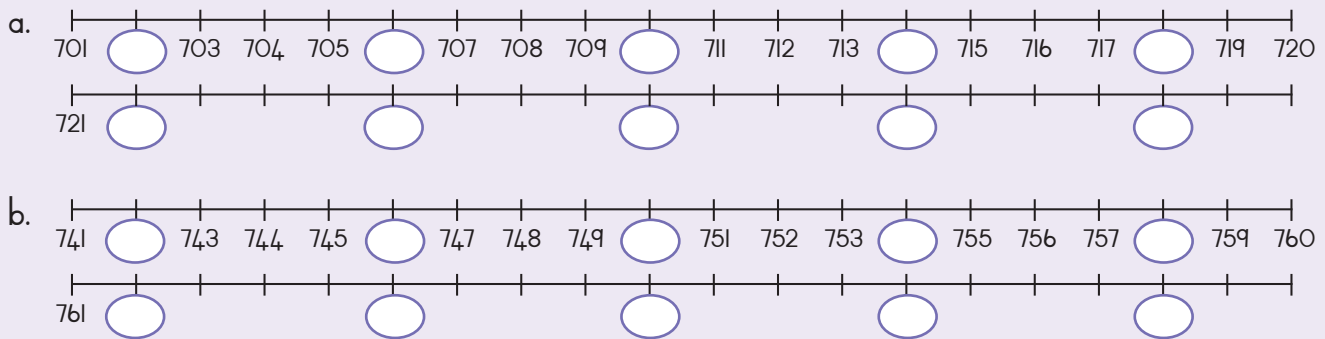
a. Ni vhona mini kha zwitendeledi izwi? \_\_\_\_\_

b. T̄haramudzani mitevhe i tevhelaho ya nomboro:

- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| 703; 707; 711; _____ ; _____ ; _____ | 711; 715; 719; _____ ; _____ ; _____ |
| 773; 777; 781; _____ ; _____ ; _____ | 783; 779; 775; _____ ; _____ ; _____ |
|                                      | 799; 795; 791; _____ ; _____ ; _____ |



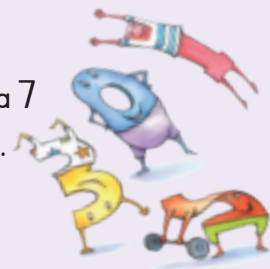
Dzhenisani nomboro yone kha tshitendeledzi tshinwe na tshinwe kha mitalombalo iyi.



Ndi na nomboro ya didzhiti dza 3.

Didzhiti ya u thoma ndi 7, didzhiti i tevhelaho i nᅇha nga nomboro i no fhira 7 nga nthihi, nahone didzhiti ya u fhedzisela ndi t̄hukhu kha sumbe nga raru.

Arali na vhala ni tshi ya phanda nga mbili u thoma kha iyi nomboro, nomboro iyi i ᅇo vha mini?



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

## Muandiso na mukovho: dzi2, dzi3 na dzi5 u swika kha 75

Themo ya 3



Ni nga kona u f'hindula zwi tevhelaho nga luvhilo lungaf'hani?

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



Khalarani zwibuloko zwine khazwo t'hanganyelo ya ni f'ha tshitahe.

$12 \div 2 = 6$	$13 \div 3 = 4$ ha sala 1	$15 \div 5 =$ _____	$18 \div 5 =$ _____
$20 \div 4 =$ _____	$23 \div 4 =$ _____	$16 \div 3 =$ _____	$18 \div 3 =$ _____
$25 \div 2 =$ _____	$24 \div 2 =$ _____	$30 \div 2 =$ _____	$29 \div 2 =$ _____
$19 \div 3 =$ _____	$17 \div 3 =$ _____	$31 \div 5 =$ _____	$30 \div 5 =$ _____
$55 \div 5 =$ _____	$52 \div 5 =$ _____	$57 \div 3 =$ _____	$60 \div 3 =$ _____



Ni zwi divha hani uri nomboro i nga kovhea nga:

- 3? Arali na nga t'anganya dzididzhiti dza nomboro (tsumbo, 72 i na didzhiti  $7 + 2 = 9$ ) ni nga kona u kovha nomboro iyi ntswa nga 3 (tsumbo 9 i a kovhea nga 3).
- 2? \_\_\_\_\_
- 5? \_\_\_\_\_



Kovhani ni linge phindulo yanu.

$$65 \div 3$$

$$\begin{aligned}
 &= (60 + 5) \div 3 \\
 &= (60 \div 3) + (5 \div 3) \\
 &= 20 + 1 \text{ ha sala } 2 \\
 &= 21 \text{ ha sala } 2
 \end{aligned}$$

$$21 \times 3 + 2$$

$$\begin{aligned}
 &= (20 + 1) \times 3 + 2 \\
 &= (20 \times 3) + (1 \times 3) + 2 \\
 &= 60 + 3 + 2 \\
 &= 65
 \end{aligned}$$

a.  $49 \div 5$

b.  $65 \div 5$



Thasululani zwi tevhelaho:

Ni tea u ya na ita ṭhoḍisiso.

Ni zwi ḍivha hani uri nomboro i nga kovhea nga 4?





## Mbonalo dza zwithu zwa 3-D



Lavhelesani zwifanyiso izwi.

Ambani nga zwivhumbeo dza zwithu ni tshi shumisa maipfi a no nga bande na kutaho.

Bola	Mabogisi	Silinda	Phiramidi	Khounu



Lavhelesani zwifanyiso ni fhedzise mafhungo na mbudziso.



a. Bola

\_\_\_\_\_.



b. Ndi nga mini bola i sa swendi?

\_\_\_\_\_.



c. Silinda

\_\_\_\_\_.



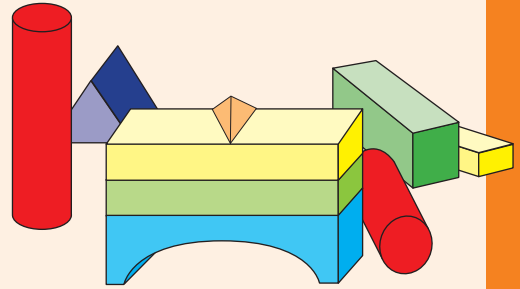
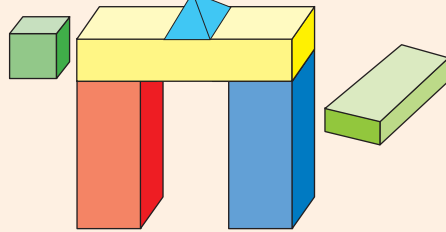
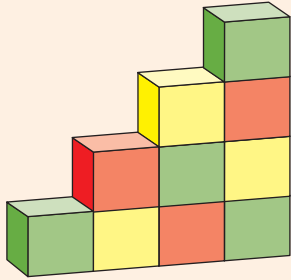
d. Silinda na yone i nga swenda?

\_\_\_\_\_.



Bulani madzina a zwithu zwe zwa shumiswa tshifanyisoni tshinwe na tshinwe.




Ni tea u bula dzina la tshithu luthihi fhedzi. Bulani uri itshi tshithu tshi a kona u kunguluwa naa kana u swenda.



<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>
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Bulani uri tshithu tsha 3-D tshi na vhurumbuntzha ha ngovhe (ho kutaho).

		
<hr/>	<hr/>	<hr/>



Olani zwi tevhelaho:

Bogisi lo dzula (balantsa) kha silinda.	Bola yo dzula (balantsa) kha silinda.	Silinda yo dzula (balantsa) kha bogisi.
-----------------------------------------	---------------------------------------	-----------------------------------------

○  
□  
△

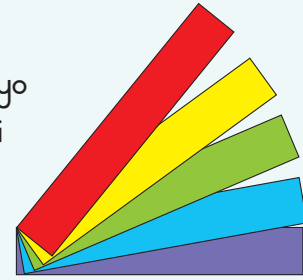
Teacher:  
Sign:  
Date:

# Khithi ya zwibambiri zwa furakhisheni

**Matheriala:** zwibambiri zwa 5 zwa mivhala yo fhambananaho, Tshigero, Penisela/Khirayoni



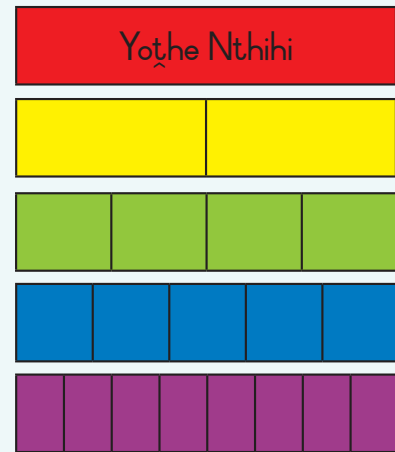
**Itani khithi**  
Tshigeriwa 5



Kha lubambiri luthihi nwalani maipfi: Yothe Nthihi  
Dzhiani luñwe lubambiri ni lu pete nga vhukati. Ni kone u lu putulula. Hu na zwipida zwingana zwi no lingana?  
Nwalani  $\frac{1}{2}$  kha hafu inwe na inwe ni gere ni tshi tevhezela he na peta.

Dzhiani lubambiri lwa vhuraru ni lu pete nga vhukati, dovhani ni pete hafu nga vhukati. Lu putululeni. Hu na zwipida zwingana zwi no lingana? Nwalani  $\frac{1}{4}$  kha tshaina tshinwe na tshinwe ni gere ni tshi tevhezela he na peta.

Zwino edzisani u ita vhubambiri vhubhili hafu, luthihi lu tshi sumbedza zwararu luñwe lu tshi sumbedza zwamalo



Shumisani zwipida zwa khithi ya furakhisheni uri zwi ni thuse kha u fhindula mbudziso idzi.



Ndi hafu nngana dzi no lingana na yothe nthi?



Ndi zwaina zwingana zwi no lingana na hafu nthihi?



Furakhisheni kha mutalombalo.

Lubambiri ulu lu sumbedza yothe nthihi.



Tshitendeledzi itshi tshi sumbedza yothe nthihi.

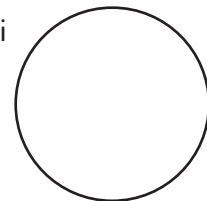


Khethekanyani lubambiri lu bve zwararu.



Khalarani tshararu.

Khethekanyani tshitendeledzi tshi bve zwararu.  
Khalarani tshararu.





### Zwino khalarani zwi tevhelaho:

Hafu nthihi 	Kota tharu 	Zwararu zwi vhili 
Zwaṭhanu zwiṇa 	Hafu nthihi 	Kota tharu 



### Olani zwi tevhelaho:

Kota tharu ni tshi shumisa zwi kwea.	Hafu nthihi ni tshi shumisa tshitendeledzi.	Zwararu zwi vhili ni tshi shumisa thiraiengele.
Zwaṭhanu zwiṇa ni tshi shumisa tshitendeledzi.	Zwamalo zwiṇa ni tshi shumisa zwi kwea.	Zwararu zwi vhili ni tshi shumisa rekhithiengele.



### Lugisani khithi yaṇu.

- Gerani tshinwe na tshinwe tsha zwitendeledzi zwa **6** kha Tshigeriwa **6**.
- Gerani zwiṭhanu zwa zwitendeledzi kha mitaladzi zwi bve zwiṭṭapida
- Lebulani tshipida tshinwe na tshinwe:
  - o Kha luṇwe lurumbu riwalani furakhisheni ya awara yoṭhe.
  - o Kha luṇwe lurumbu riwalani tshivhalo tsha minete i re kha furakhisheni yeneyo.



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

# Furakhisheni dzinwe hafhu

Themo ya 3



## Nwalani Ee kana Hai.

- Hafu ndi hafu ya Yoṭhe Nthihi
- Hafu ya hafu ndi kota nthihi
- Kota ndi hafu ya hafu
- Hafu nthihi na kota mbili zwi ita yoṭhe
- Hafu na kota zwi ita kota tharu

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## Kovhani phai.

Sipho, Gugu, Mulalo na Ann vha kovhekana phai nthihi.



a.

Ndi na ngala!  
Ndi khou ṭoda hafu.

Sipho



b.

Zwo luga! Ndi go dzhia kota.

Gugu



Olani mukovhe wa Sipho.

c.

Nne ndi go dzhia hafu ya ye ya sala.

Andile



d.

Nne ndo salelwa nga phai nngafhani?

Lisa




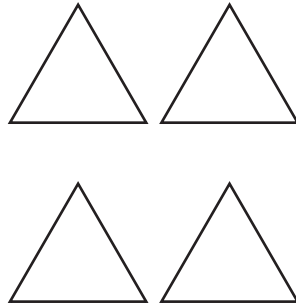

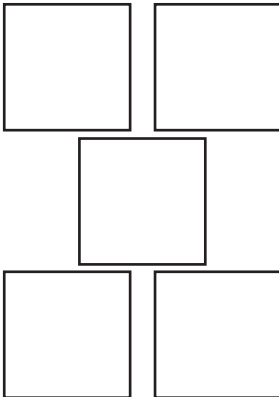

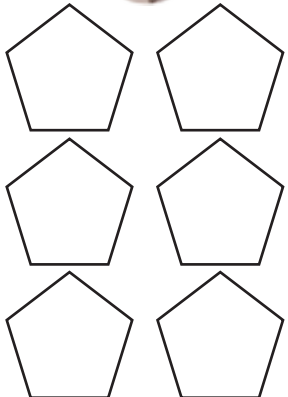


Olani mikovhe ya Sipho, Gugu na Mulalo.

Olani miṛwe mikovhe yoṭhe ya phai.



Kovhelani vhana zwivhumbeo, nga u tala mutalo ni u khalare.

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



Khonani nna dzi kovhekana malegere a likhwarazi a 5 a zwitanda nga u lingana.  
 Muñwe na muñwe u do wana mangana?  
 Mbudziso ndi if hio?

---

Nomboro ndi dzif hio?

---

Olani tshifanyiso.

Khonani dza rathi dzi kovhekana malegere a likhwarazi a 9 a zwitanda nga u lingana.  
 Muñwe na muñwe u do wana mangana?  
 Mbudziso ndi if hio?

---

Nomboro ndi dzif hio?

---

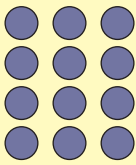
Olani tshifanyiso.



# Ukovhekanya zwi tshi livha kha furakhisheni

Themo ya 3

Zwivhaleli zwa  
12 khezwi.



Ri khonani mbili. Ri na tshifaredzi  
tshithihi fhedzi tsho fhandulwaho tsha  
bva hafu dzi no lingana.

Ri ri hei ndi  
hafu nthihi..

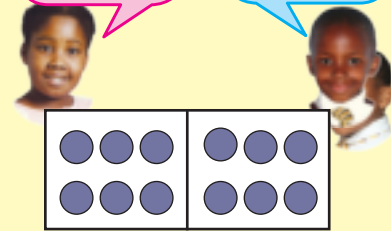
Ri ri hei ndi  
hafu nthihi.



Ri kovhekana zwivhaleli zwa fumimbili  
vhuvhili hashu.

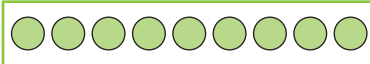
Ndi na  
zwivhalelei zwa  
rathi.

Ndi na  
zwivhalelei zwa  
rathi.



Itani nyolo ya zwi tevhelaho ni f'hindule mbudziso.

Bola dza ṭahe dzi kovhelwa khonani tharu.



- Musidzana muṅwe na muṅwe u ḍo wana bola nngana?
- Musidzana muṅwe na muṅwe u ḍo wana furakhisheni ifhio?

Bola dza ṭahe dzi kovhelwa khonani nṅa.  
Vhararu vhavho ndi vhatukana.



- Musidzana muṅwe na muṅwe u ḍo wana bola nngana?
- Mutukana muṅwe na muṅwe u ḍo wana furakhisheni ifhio?



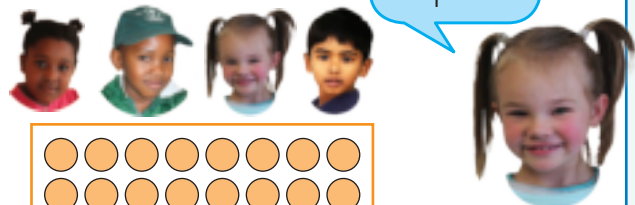
Maandḁa u ḍo wana furakhisheni ifhio? Ann u ḍo wana furakhisheni ifhio?

Ndi pfi Maandḁa



- Maandḁa na Ann vha ḍo wana bola nngana?

Ndi pfi Ann.



- Maandḁa na Ann vha ḍo wana bola nngana?



## U kovhekana ma $\grave{a}$ legere.

Khonani dzi kovhekana ma $\grave{a}$ legere. Muiwe na muiwe wavho u wana  $\frac{1}{2}$  (hafu) ya phakhethe.

a. Vha tea u kovhekana phakhethe nngana kha:

khonani dza 4? \_\_\_\_\_ khonani dza 6? \_\_\_\_\_ khonani dza 9? \_\_\_\_\_

b. Ndi khonani nngana dzine dza nga kovhekana:

phakhethe dza 4? \_\_\_\_\_ phakhethe dza 10? \_\_\_\_\_ phakhethe dza  $3\frac{1}{2}$ ? \_\_\_\_\_



## Zwirivha zwa mitshino.

Vhomme na vhomakhulu vha runga zwirivha zwa mitshino.

Vha  $\grave{t}$ oda mithara (m) dza  $2\frac{1}{2}$  dza labi.

Labi li  $\grave{d}$ ura R6 mithara muthihi.

a. Ndi zwirivha zwingana zwine vha nga runga nga?

5 m \_\_\_\_\_ 10 m \_\_\_\_\_

20 m \_\_\_\_\_ 25 m \_\_\_\_\_

b. Ndi labi lingafhani line vha  $\grave{d}$ o  $\grave{t}$ oda kha u runga?

zwirivha zwa 2 \_\_\_\_\_ zwirivha zwa 3 \_\_\_\_\_ zwirivha zwa 4 \_\_\_\_\_

c. Labi la u runga zwi tevhelaho li  $\grave{d}$ ura vhugai?

tshirivha tsha 1 \_\_\_\_\_ zwirivha zwa 2 \_\_\_\_\_ zwirivha zwa 3 \_\_\_\_\_

d. Vha nga runga zwirivha zwingana nga:

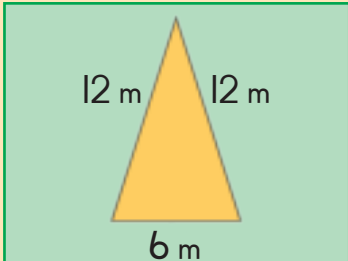
R450 \_\_\_\_\_ R825 \_\_\_\_\_ R180 \_\_\_\_\_



# Muelo ri tshi mona

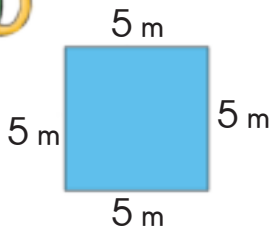
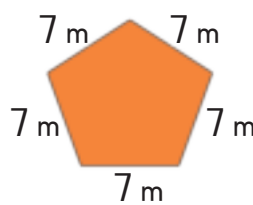
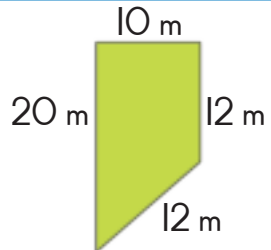
Themo ya 3

Ipfi la mudzinge (pherimitha) li amba vhulapfu kana muelo ri tshi mona na tshithu.

	<p>Rabulasi u na bulasi ya tshivhumbeo tsha thiraiengele.</p> <p>Ri nga wana mudzinge wa puloto iyi nge ra tanganya vhulapfu ha matungo.</p> <p>Mudzinge = <math>12\text{ m} + 12\text{ m} + 6\text{ m} = 30\text{ m}</math></p>
-----------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



Wanani mudzinge.

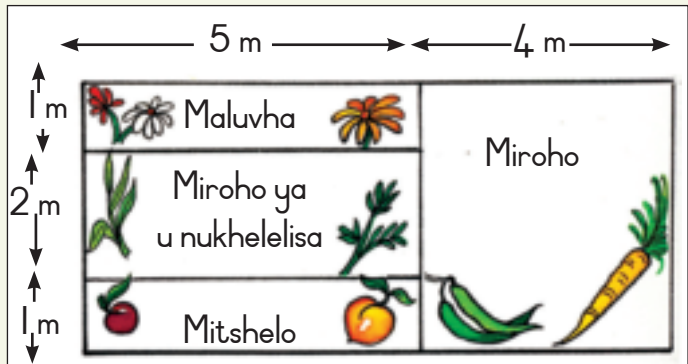
		



Ngade ya Veronica.

Veronica u ola mudzinge wa ngade ine a toudou lima.

- Mudzinge wa tshipida tshine a do lima khatsho miroho ya u nukhelelisa ndi uf hio?  
\_\_\_\_\_
- Ndi zwipida zwif hio zwi re na midzinge i no fana? Mudzinge wazwo ndi uf hio?  
\_\_\_\_\_ na \_\_\_\_\_ zwi na mudzinge wa \_\_\_\_\_ m.
- U khou toda ita luhura lwa darata u mona na ngade yot he. Darata i dura R50 nga mithara. Luhura lwa darata lu do dura vhugai? \_\_\_\_\_





## Pulanelani ngade yaṅu inwi muṅe.

Shumisani bammbiri la giridi li re kha Tshigeriwa 7 kha u pulanela ngade yaṅu inwi muṅe. Sumbedzani mielo yoṭhe khathihi na zwimela zwine na nga tama u zwi ṭavha.

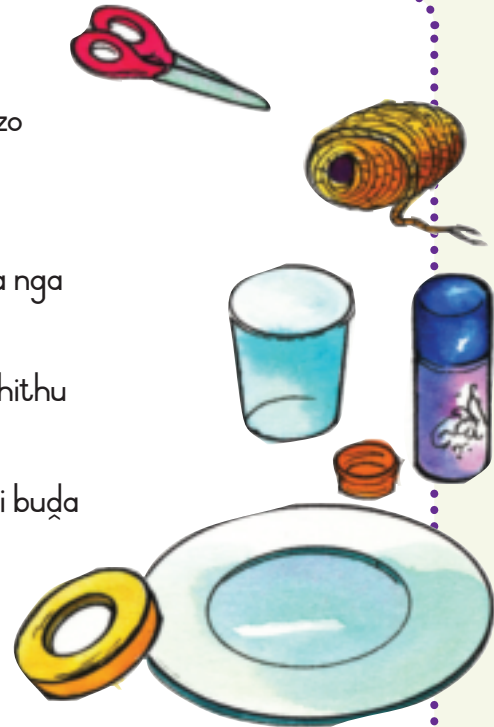


## U ela zwitendeledzi.

Shumani ni na phathinara yaṅu.

**Matheriala:** Zwithu zwa fumi zwa zwitendeledzi zwa saizi dzo fhambananaho zwi no nga phuleithi, ngilasi, theipi ya u nambatedza, tshitibo tsha bodelo, lutambo na tshigero.

1. Nangani tshithu tshithihi tsha tshitendeledzi tshine na nga ela nga lutambo.
2. Gerani tshipida tsha lutambo tshine tsha nga mona tshithu kwakwakwa.
3. Zwino dzhiani lutambo lwonolwo ni lu ṭharamudze lu tshi buḍa na tshitendeledzi. Vhalani uri lu pfukela seli lungana.
4. Itani zwi no fana na zwenezwi kha izwo zwiṅwe zwithu zwa zwitendeledzi.
5. Nwalani zwe na vhona. Tshikhala tsha u mona na tshitendeledzi tshi vhidzwa u pfi ndi muelotenge.



Tshikhala tsha u buḍa na tshitendeledzi tshi vhidzwa u pfi ndi muelotenge.



Tshikhala tsha u buḍa na tshitendeledzi tshi vhidzwa u pfi ndi dayamitha (phandakati).



Teacher:
Sign:
Date:

# U renga tshelede

Tambani mitambo i tevhelaho ni na phathinara yanu.

Matheriala:

RIOO RIO

RI IOc Ic



RIOO	RIO	RI	IOc	Ic
------	-----	----	-----	----

Bodo ya tshelede (Tshigeriwa 8),

Bambiri na penisela, daisi mbili, tshelede ya u tambisa (i wanala kha Tshigeriwa 9): Noutu dza RIOO na RIO; khoini dza RI, IOc na Ic.

Vheani Bodo ya Tshelede n̄ha ha t̄afula.

Bodo i na zwickhala (khethekanyo) zwa 5 zwi no bva kha tshamonde zwi tshi ya kha tsha u la, RIOO, RIO, RI, IO senthe, na I senthe. Kha mutambo uyu ri khou shumisa kholomo tharu dza u thoma.



T̄anganyani u swika kha Rannda dza IOO.

1. Mutambi muñwe na muñwe u wana tshifhinga tsha u kungulusa daisi. T̄anganyani nomboro mbili.
2. Dzhiani khoini dza RI dzi no lingana nomboro iyo ni dzi vhee kha tshikhala tsha RI kha bodo yanu.
3. Musi ni tshi tou wana khoini dza fumi dza RI ni fanela u dzi rengisa na wana noutu ya RIO.

$$\begin{array}{c} \text{RI} \\ \text{RI} \\ \text{RI} \\ \text{RI} \\ \text{RI} \\ \text{RI} \\ \text{RI} \\ \text{RI} \end{array} = \text{RIO}$$

4. Ane a do vha wa u thoma u wana noutu dza RIO a dzi rengisa a wana noutu ya RIOO ndi ene we a wina.

$$\begin{array}{c} \text{RIO} \\ \text{RIO} \\ \text{RIO} \\ \text{RIO} \\ \text{RIO} \\ \text{RIO} \\ \text{RIO} \\ \text{RIO} \end{array} = \text{RIOO}$$

5. **Ndat̄iso:** Arali mutambi a fhedza raundu yawe a hangwa u rengisa khoini dzawe dza RI uri a wane noutu ya RIO, ngeno ula muñwe mutambi o kona u vhona vhukhaxhi uhu, ndat̄iso ndi RI. Arali mutambi a hangwa u rengisa noutu dza RIO uri a wane RIOO, u fanela u badela ula muñwe RIO.



## Tusani u thoma kha RIOO u swika kha RO.

Tambani mutambo u no fana na u $\bar{a}$ , fhedzi ni thome nga noutu dza RIO, ni tuse t $\bar{h}$ anganyelo ya nomboro dzi re kha daisi. Mutambi a no wana RO ndi ene we a wina.

RIOO	RIO	RI	IOc	Ic



## Mutanganyo na mutuso u swika kha RI 000.

Tanganyani t $\bar{h}$ anganyelo i re kha daisi kha raundu inwe na inwe, ni dzhie noutu dza RIO dza nomboro yenyero. Muthu wa u thoma u swika kha RI 000 o wina. Kana, thomani nga RI 000, ni tuse kha raundu inwe na inwe. Mutambi wa u thoma u swika kha RO o wina.



## U tanganya u swika kha RI.

Tambani mutambo u no fana na wa u thoma, fhedzi zwino ni kungulusa daisi na wana t $\bar{h}$ anganyelo, dzhiani t $\bar{h}$ anganyelo ya nomboro dza daisi nga khoini dza Ic, ni dzi rengise ni wane khoini ya IOc. A re ene wa u thoma u rengisa khoini dza IOc a wana khoini ya RI o wina.



## Tusani masenthe.

Thomani nga RI, ni tuse kha raundu inwe na inwe. Wa u thoma u wana O senthe o wina.



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

## Kha ri ye mavhengeleni!






Themo ya 3



Seili ya miñadzi.

Vhengeleni vha rengisa miñadzi ya 5 nga mitengo yo fhambananaho.



							Thanganyelo
Muñadzi wa a 	R20	R20	R20	R20	R20	R20	R120
Muñadzi wa b 	R25	R25	R25	R25	R25	R25	
Muñadzi wa c 	R50	R50	R50	R50	R50	R50	
Muñadzi wa d 	R75	R75	R75	R75	R75	R75	
Muñadzi wa e 	R100	R100	R100	R100	R100	R100	

- a. Wanani velu ya miñadzi kha rou iñwe na iñwe.
- b. Vho Mme Madzanga vha renga muñadzi wa l wa lushaka luñwe na luñwe.  
Vha badela vhugai yo ṭangana yo ṭhe? \_\_\_\_\_
- c. Buti u shumisa R450 yo ṭangana yo ṭhe. U renga muñadzi wa l nga R100.

U renga miñwe miñadzi ifhio? Sumbudzani phindulo dza 2 dzine dza nga wanala.

Tolani!  
Vhambudzani!  
Lulamisani

Phindulo 1	Phindulo 2



## Bekharini.

Musa u shumisa risipi ino kha u baka khekhe ya tshipontshi.



### Risipi ya khekhe ya tshipontshi

Zwa khekhe: Fuḷauru ya 40 g i no kukumuwa nga yoṭhe; Makumba a 3; swigiri aisiṅi ya 50 g  
Zwa u shela: Luvhomba lwa 140 ml

a. Wanani uri Musa u ṭoda zwithu zwingafhani zwa u baka khekhe dza 6.

Khekhe	Fuḷauru	Makumba	Swigiri aisiṅi	Luvhomba (khirimu)
1	40 g	3	50 g	140 ml
2				
3				
4				
5				
6				

b. Itani thiki (✓) kha phindulo i re yone.

Litha ya l ya luvhomba i nga ḍodziwa kha: khekhe dza 10;  
khekhe dza 7; khekhe dza 8.



## Mbalotshihadu.

Ṭolani! Vhambedzani!  
Lulamisani

$10 \times 7 =$	$10 \times 70 =$	$5 \times 7 =$	$5 \times 70 =$	$70 \times 2 =$
$12 \times 4 =$	$12 \times 8 =$	$6 \times 16 =$	$5 \times 9 =$	$50 \times 9 =$
$15 \times 3 =$	$15 \times 6 =$	$10 \times 4 =$	$8 \times 4 =$	$18 \times 4 =$



# Zwinwe hafhu nga data



Tshītītshini tsha mapholisa.

Mapholisa matānu a ita mishumo yo fhambananaho. Vha ngafhi zwino?

	Desikeni	Vha khou paṭirola	Khothe
Bababa			x
Maria	x		
Sam	x		
Amos		x	
Dudu			x

Nwalani madzina a vhane: Vha vha desikeni. \_\_\_\_\_

Vha khou paṭirola. \_\_\_\_\_

Vha vha khothe. \_\_\_\_\_








Duvha ḷa miri.



Zwikolo zwiṭānu zwi kha muṭāṭisano wa u vhona uri ndi vhafhio vhane vha ḍo ṭavha miri minzhi

nga Duvha ḷa Arbor.  = 10 miri

Klipspruit	
Mthonjeni	
Sonskyn	
Thuthong	
Mosiba	

Tshikolo tshinwe na tshinwe tshi ṭavha miri mingana?

Klipspruit	Mthonjeni	Sonskyn	Thuthong	Mosiba

Zwikolo zwi ṭavha miri mingana yo ṭangana yotḥe? \_\_\_\_\_



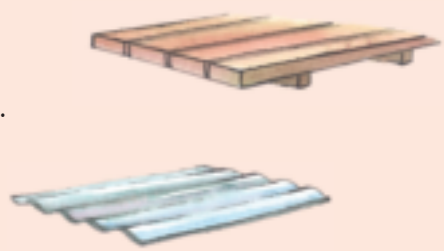
### Ndi ṭhanga ifhio?

Vha kilasi ya Gireidi 3 vha ita ṭhodisiso mudanani.

Vha tama u wana tshaka dzo fhambananaho dza ṭhanga dza n̄du dzo fhambananaho.

Vha sumbedza mvelelo dzavho nga girafu ya buloko.

Vha ita thiki (✓) nthihi kha n̄du in̄we na in̄we ine vha i vhona.



Zwileithi	✓	✓	✓	✓	✓	✓					
Hatsi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mabulannga	✓	✓	✓	✓	✓	✓	✓	✓			
Mazenngwe	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Ni vhona ṭhanga nngana dza lushaka lūwe na lūwe?

Dzithaili \_\_\_\_\_ Hatsi \_\_\_\_\_ Mabulannga \_\_\_\_\_ Mazenngwe \_\_\_\_\_

Ndi lushaka lufhio lwa ṭhanga lu no funeswa? \_\_\_\_\_

Vha kona u vhala ṭhanga nngana dzo ṭangana dzoṭhe? \_\_\_\_\_



### Saizi (mielo) ya minadzi.

Vhatukana vha tshikoloni tsha Juma vha ambara gebisi dza tshikolo.

Gebisi idzi dzi na saizi 2, 3 na 4.

2	2	3	2	3	4	4	3	2	3	2	3
4	2	2	3	3	3	2	2	2	3	4	4
2	3	2	3	4	2	4	4	3	4	2	2
2	2	3	3	3	4	2	2	2	3	3	4
4	2	2	2	3	4	2	4	4	3	2	



Vhalani uri ndi vhagudi vhangana vha no ambara gebisi dza saizi in̄we na in̄we.

2 \_\_\_\_\_ 3 \_\_\_\_\_ 4 \_\_\_\_\_

Ndi saizi ifhio yo andesaho? \_\_\_\_\_

Tolani! Vhambedzani!  
Lulamisani

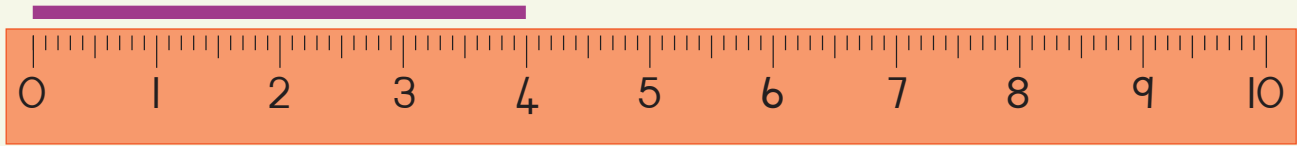
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Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

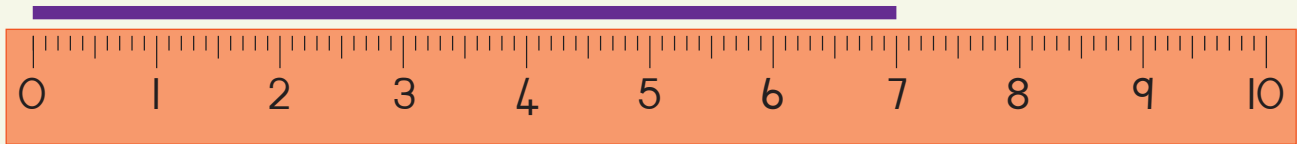
# U shuma nga senthimitha

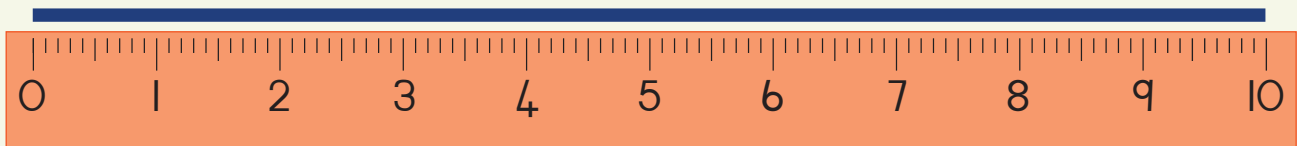
Themo ya 4



Mutaladzi wo khalariwaho wo lapfa lungafhani?









Thomani nga u anganyela ni kone u ela mitaladzi. Fhedzisani thebulu.

Mutaladzi	U anganyela	Muelo	Phambano vhukati ha muanganyelo na muelo



Shumisani ruḽa kha u ola mitaladzi i tevhelaho.

a. 10 cm

b. 7 cm

c. 15 cm



Bulani uri ni ḽo ela zwi tevhelaho nga mitha kana nga senthimitha naa.

- Vhulapfu ha bugu. \_\_\_\_\_
- Vhunṽha ha munango. \_\_\_\_\_
- Vhulapfu ha penisela \_\_\_\_\_
- Vhulapfu haṽu. \_\_\_\_\_
- Vhulapfu ha munwe waṽu \_\_\_\_\_

Ni elelwe ṽhukhufhadzo dza maipfi dzine ra dzi shumisa. Ri ṽwala cm (senthimitha) na m (mitha).



Kha ṽwaha no shumisa penisela dza u khalara dzaṽu ṽhanu. Vhulapfu hadzo ho vha hu 15 cm musi ni sa athu dzi shumisa.

Musi no no dzi shumisa penisela tswuku yo no vha na vhulapfu ha 7 cm, ya lutombo 5 cm, dala 6 cm, ya ṽada 11 cm, ya phephulu 12 cm, ya tshitopana 9 cm, ya buraunu 14 cm, ntswu 8 cm, ya pinki 13 cm ngeno tshena i 15 cm.



- Ndi penisela ifhio ye na i shumisesa? \_\_\_\_\_
- Ndi penisela ifhio ye na si i shumisesa? \_\_\_\_\_
- ṽwalani vhulapfu ha penisela dzaṽu u thoma kha pfufhisa u swika kha ndapfusa \_\_\_\_\_



11 12 13 14 15 16 17 18 19 20

# Nomboro 700 u swika kha 800

Themo ya 4



Vhalani ni n'wale.

- a. Vhalani u bva kha 700 u swika kha 800.  
Bulani nomboro musu ni tshi khou ralo u vhalala.

700



701			704						710
							718		
	722								
					736				
741								749	
							758		
		773							
							788		790
	792			795					800

- b. N'walani nomboro dzi no khou t̄ahela kha giridi i re af'ho n̄t̄ha.  
c. N'walani nomboro dza 10 dzi no tevhela 750.

750; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- d. N'walani nomboro dza 8 dzi no tevhela kha phetheni ya dzi2.

762; 764; 766; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- e. N'walani nomboro dzo t̄he dzi re kha phetheni ya dzi2 u bva kha 751 u swika kha 773.

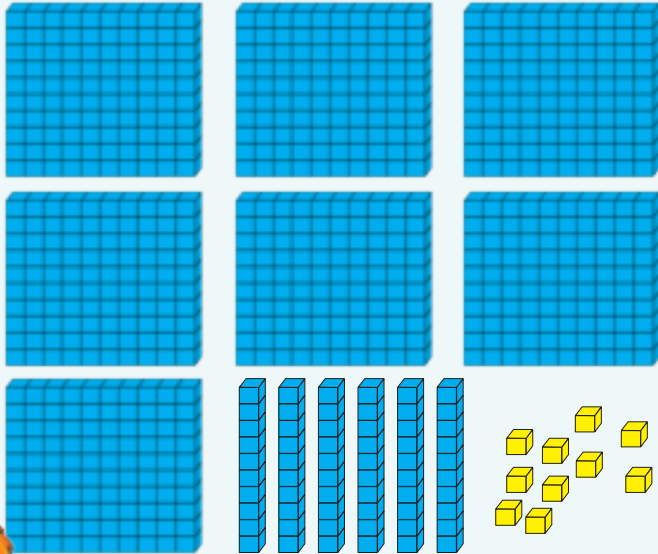
751; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 773

- f. N'walani nomboro dza 8 dzi no tevhela kha phetheni ya dzi2.

751; 756; 761; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Ni kona u vhala zwibuḽoko zwingana?



Zwibuḽoko izwi no zwi vhalisa hani?



Fhedzisani mitalombalo.

750			753				757		759	
							789	786	788	
					753	756	759			



Fhedzisani thebuḽu.

Ñwalani u bva kha tḽhukhusa u ya kha khulwanesa

Ñwalani u bva kha khulwanesa u ya kha tḽhukhusa

776, 772, 779, 770, 778	
736, 703, 730, 713, 703	



Ñwalani zwi tevhelaho nga maipfi.

788	
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Teacher:

Sign:

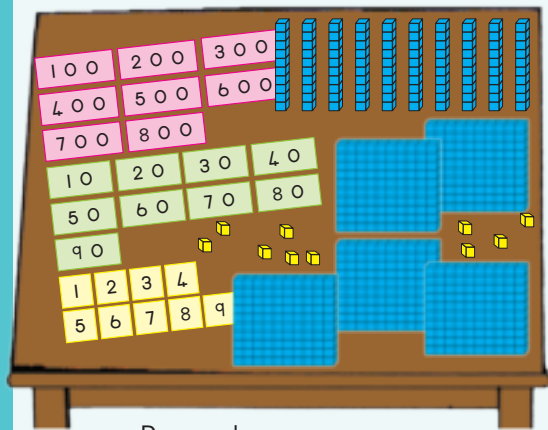
Date:

99

Deithi:

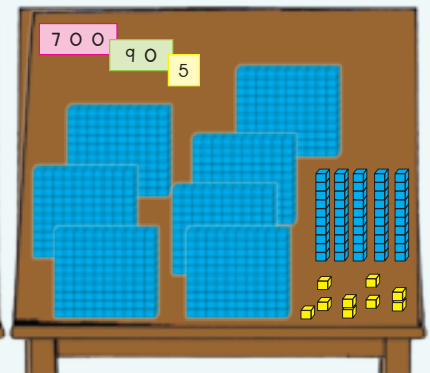
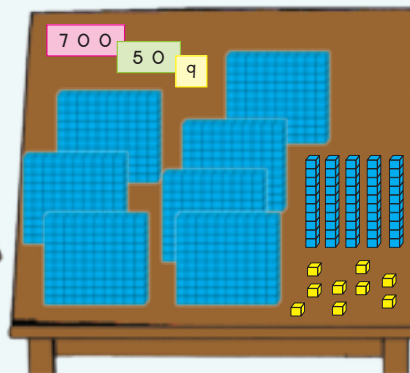
# Nomboro dzinwe hafhu 700 u swika kha 800

Themo ya 4



Mudededzi vho humbela Peter uri a sumbedze 759 nga magaraṭa awe na zwiḅuloko.

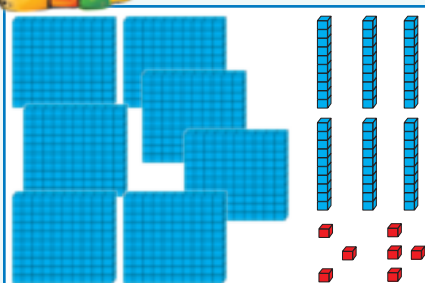
Hezwi ndi zwe Ben a sumbedza zwone. O khakha ngafhi?



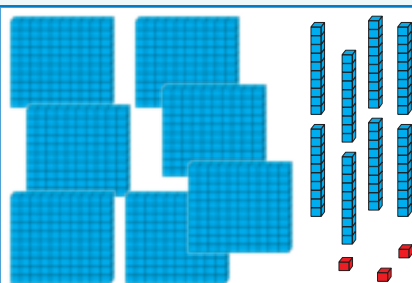
Peter o vha e na magaraṭa a vhuimo ha nomboro na zwiḅuloko zwa beisi ya fumi zwi tevhelaho.



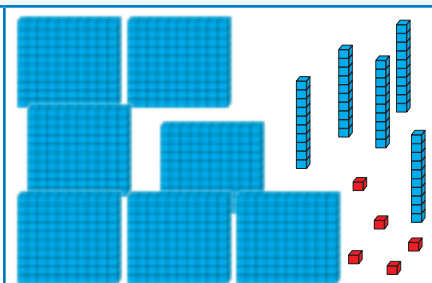
### Nwalani fhungo la nomboro ni tevhedze nga phindulo.



$700 + 60 + 7 = 767$



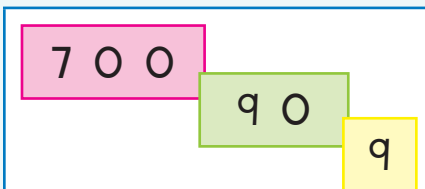
$700 + 50 + 9 = 759$



$700 + 90 + 5 = 795$

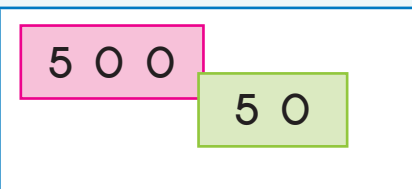


### Nwalani fhungo la nomboro ni tevhedze nga phindulo.

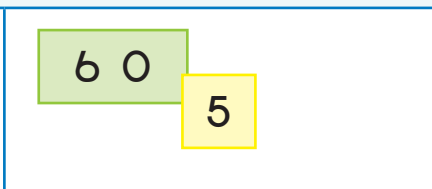


$700 + 90 + 9$

=



$500 + 50 = 550$



$60 + 5 = 65$



Fhedzisani mutalombalo.

789	790	791								799
-----	-----	-----	--	--	--	--	--	--	--	-----

Mpheni nomboro dzothe dzi re thukhu kha 795. \_\_\_\_\_

Mpheni nomboro dzothe dzi re khulwane kha 795. \_\_\_\_\_



Dzhenisani  $< \text{kana} > =$

a.  $799 \underline{\hspace{1cm}} 766$       b.  $745 \underline{\hspace{1cm}} 750$

c.  $700 + 90 + 7 \underline{\hspace{1cm}} 767$



Padulani nomboro yanu.

a. Fhatani nomboro inwe na inwe nga magarata anu.

b. Nwalani velu (ndeme) ya didzhiti inwe na inwe. Zwino itani hezwi: Padulani nomboro yanu.

790	
689	
699	
755	
690	

Tsumbo: 799

700
90
9
799

799    700 + 90 + 9



Nwalani madzina a nomboro.

668	
757	
799	
742	
691	



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

# 100

Deithi:

## Nomboro 800 u swika kha 900

Themo ya 4



Vhalani ni n'wale!

- a. Vhalani u bva kha 800 u swika kha 900.  
Bulani nomboro musu ni tshi khou ralo u vhalala.

800



801			804					810
						818		
	822							
				836				
841							849	
						858		
		873						
						888		890
	892		895					900

b. N'walani nomboro dzi no khou tshela kha giridi i re af'ho n'tha.

c. N'walani nomboro dza 10 dzi no tevhela 800.

800; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

d. N'walani nomboro dza 8 dzi no tevhela kha phetheni ya dzi2.

852; 854; 856; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

e. N'walani nomboro dzo t'he dzi re kha phetheni ya dzi2 u bva kha 807 u swika kha 829.

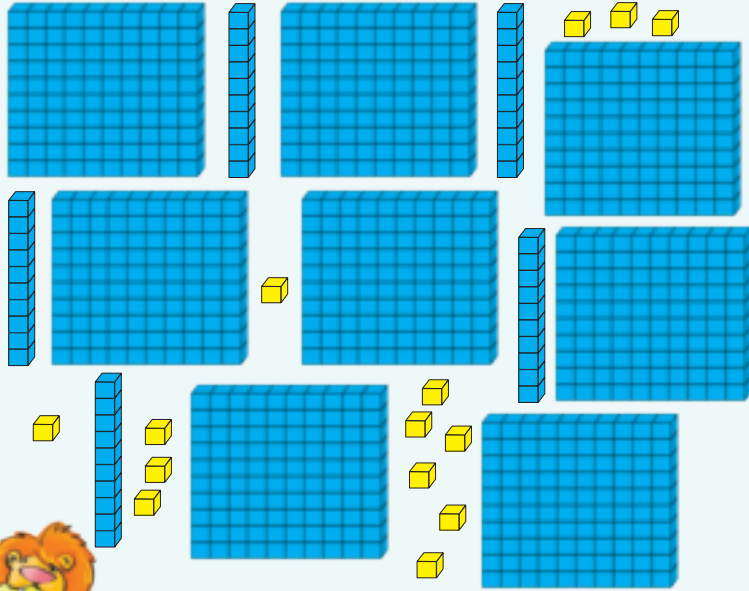
807; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 829

f. N'walani nomboro dza 8 dzi no tevhela kha phetheni ya dzi5.

834; 839; 844; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Ni kona u vhala zwiḅuḅoko zwingana?



Zwiḅuḅoko izwi no zwi vhalisa hani?



Fhedzisani mitalombalo.

830			833				837	838		
							876	881	886	
					843	846	849			



Fhedzisani theḅuḅu.

Ñwalani u bva kha ṭhukhusa u ya kha khulwanesa

Ñwalani u bva kha khulwanesa u ya kha ṭhukhusa

856, 853, 855, 851, 857		
898, 801, 810, 819, 891		



Ñwalani zwi tevhelaho nga maipfi.

845	
-----	--

Teacher:

Sign:

Date:

# Nomboro dzinwe hafhu 800 u swika kha 900

Themo ya 4

Mudededzi vho hambela Peter uri a sumbedze 854 nga magaraṭa awe na zwiḅuloko.

Hezwi ndi zwe Ben a sumbedza zwone. O khakha ngafhi?

Peter o vha e na magaraṭa a vhuimo ha nomboro na zwiḅuloko zwa beisi ya fumi zwi tevhelaho..



Nwalani f'hungombalo ni tevhedze nga phindulo.

$800 + 80 + 5 = 885$

$800 + 50 + 4 =$

$800 + 40 + 5 =$



Nwalani f'hungombalo ni tevhedze nga phindulo.

$800 + 50 + 2 =$

$800 + 90 + 7 =$

$800 + 3 =$



Fhedzisani mutalombalo.

889	890	891									900
-----	-----	-----	--	--	--	--	--	--	--	--	-----

Mpheni nomboro dzotlhe dzi re tshukhu kha 894. \_\_\_\_\_

Mpheni nomboro dzotlhe dzi re khulwane kha 894. \_\_\_\_\_



Dzhenisani  $< \text{kana} > =$

- a. 899 \_\_\_\_\_ 898                      b. 802 \_\_\_\_\_ 820  
 c.  $900 + 70 + 5$  \_\_\_\_\_ 785



Paḍulani nomboro yaḅu.

- a. Fhaḅani nomboro inwe na inwe nga magaraḅa aḅu.  
 b. Nwalani velu (ndeme) ya didzhiti inwe na inwe. Zwino itani hezwi: Paḍulani nomboro yaḅu.

890	
889	
802	
855	
840	

Tsumbo: 876

800
70
6
876

876     $800 + 70 + 6$



Nwalani madzina a nomboro.

889	
825	
803	
830	
899	



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

## Ukala zwithu

Themo ya 4



Lavhelesani zwifanyiso zwi tevhelaho ni f'hindule mbudziso.



- Vhukhopfu ha u kuvha ha 1 kg hu leluwa kana hu lemela u f'hira ha 2 kg?  
\_\_\_\_\_
- Hu leluwesa tshifhio: Siriji ya mukapu ya 500 g kana mabesikitsi a 200 g?  
\_\_\_\_\_
- Hu lemelesa tshifhio: Khirimu ya lukanda ya 100 g kana phakhethe ya 1 kg ya tshidammba?  
\_\_\_\_\_



Rothe ro tangana ri lemela vhugai?

Nhe ndi lemela 25 kg, khonani yanga 29 kg ngeno mukomana wanga a tshi lemela 45 kg.

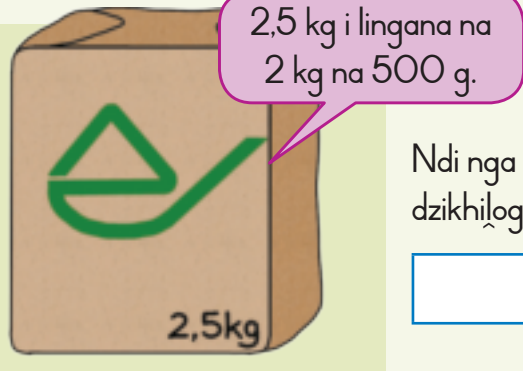
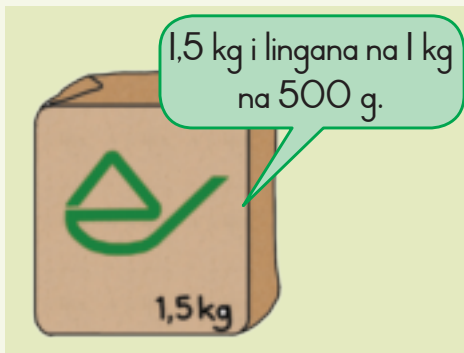


Zwibveledzwa izwi zwothe zwi lemela vhugai?

Tshibveledzwa tsha u thoma tshi lemela 1 kg 500 g, tshavhuvhili 3 kg 500 g ngeno tsha u fhedza tshi tshi lemela 2 kg 500 g.



Lavhelesani zwifanyiso zwi tevhelaho ni fhindule mbudziso.



Ndi nga nwalisa hani 3,5 kg nga dzikhilogireme na dzigireme?



Fhedzisani thebulu.

Mudededzi wanu vha do ni fha zwithu zwithanu zwine na nga sedza. Anganyelani zwileme zwazwo ni kone u zwi ela.

Tshithu	Nyanganyelo	Muelo	Phambano vhukati ha nyanganyelo na muelo



Zwibveledzwa zwi lemela vhugai zwothe?

Tshibveledzwa tsha u thoma tshi lemela 2 kg 500 g, tsha vhuvhili 1 kg 500 g ngeno tsha u fhedza tshi tshi lemela 3 kg 500 g.



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

# Khatri kale hafhu

Themo ya 4

Tshileme ndi tshikalo tsha vhunzhi ha zwitshatshaka kana metha ngomu tshithuni. Arali izwi zwithu zwo dalesa, zwi a konḁa u sudzulusa itsho tshithu.

Ndeme ndi mpimo wa maanḁa a giravithi a no khou kokodzela fhasi metha. Giravithi a si nnzhi riwedzini lune zwithu zwa lemela zwiḁuku.

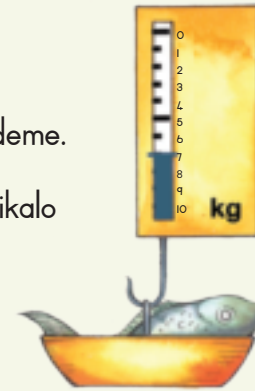
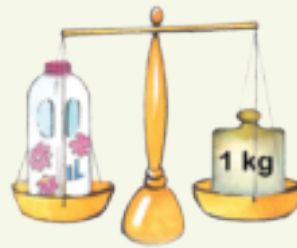
Fhano shangoni ri shumisa zwikalo zwi no fana kha tshileme na ndeme. Ri kala tshileme nga khilogreme na gireme.

## Zwikalo zwo fhambananaho

Ri shumisa tshaka dzo fhambananaho dza zwikalo kha u ela tshileme na ndeme.

Ri ela tshileme nga tshikalotshilinganyisi (tsha balantsi) na ndeme nga tshikalo tsha tshipiriingi.

Litha ya maḁi i na tshileme tsha 1 kg.

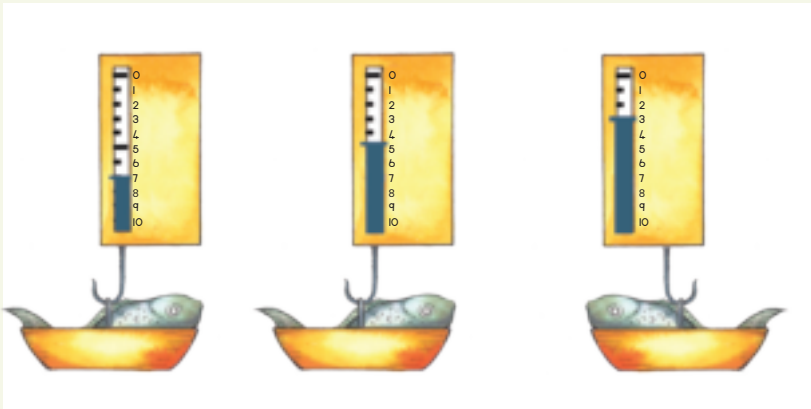


Khovhe i na tshileme tsha 3 kg.

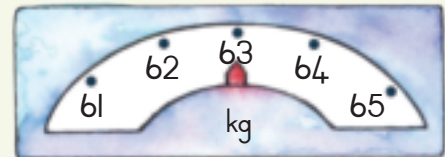


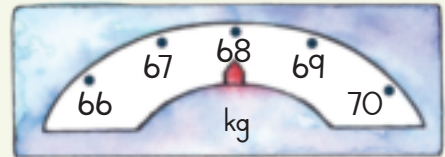
## Wanani zwileme zwavho.

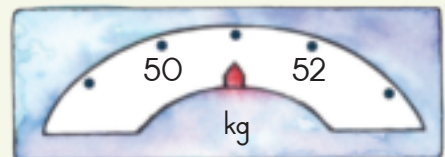
Nwalani tshileme nga kg dze dza sumbedzwa kha tshirwe na tshirwe tsha zwikalo izwi zwa tshipirringi.











Ri shumisa dzigireme kha u kala ndeme ya zwithu zwi re zwiṭuku kana zwi no leluwa khathihi na u ela furakhisheni dza khilogreme.

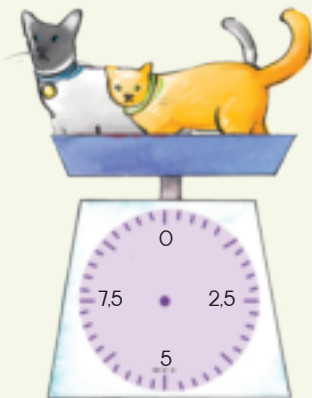
$$1\ 000\text{ g} = 1\text{ kg}$$

Kha tshikalo itshi tsha tshipirringi, mutalo muṛwe na muṛwe muṭuku ndi gireme dza 10. Maṭamaṭisi a lemela gireme dza 320.



## Zwilemela vhugai?

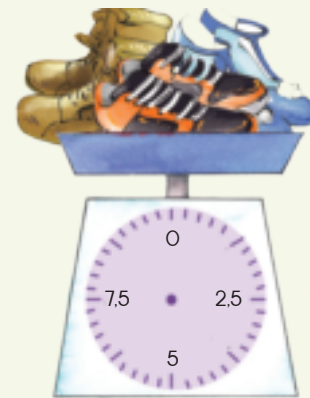
Olani hune musevhe wa tshikalo wa tea u sumba tshifhinga tshotṭhe.



7 kg



4 kg



6 kg



## Itani khilogireme.

Ṭanganyani ni ite 1 kg (1 000 g).

- $125\text{ g} + 250\text{ g} + 125\text{ g} + \underline{\hspace{2cm}}\text{ g} = 1\ 000\text{ g} (1\text{ kg})$
- $50\text{ g} + 30\text{ g} + 240\text{ g} + 60\text{ g} + 100\text{ g} + \underline{\hspace{2cm}} = 1\text{ kg}$
- $57\text{ g} + 46\text{ g} + 243\text{ g} + 334\text{ g} = \underline{\hspace{2cm}} = 1\ 000\text{g} (1\text{ kg})$
- $50\text{ g} + 90\text{ g} + 160\text{ g} + \underline{\hspace{2cm}} = 1\ 000\text{ g} (1\text{ kg})$



Teacher:

Sign:

Date:

# Nomboro 900 u swika kha 1 000

Themo ya 4



Vhalani ni riwale.

- a. Vhalani u bva kha 900 u swika kha 1000. Bulani nomboro musu ni tshi khou ralo u vhalala.

900



901	903							910
							919	
		943				948		
981								
991							999	

b. Nwalani nomboro dzi no khou t̄ahela kha giridi i re af'ho n̄t̄ha.

c. Nwalani nomboro dza 10 dzi no tevhela 900.

900; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

d. Nwalani nomboro dza 8 dzi no tevhela dzi kha phetheni ya dzi2.

946; 948; 950; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

e. Nwalani nomboro dzo t̄he dzi re kha phetheni ya dzi2 u bva kha 945 u swika kha 967.

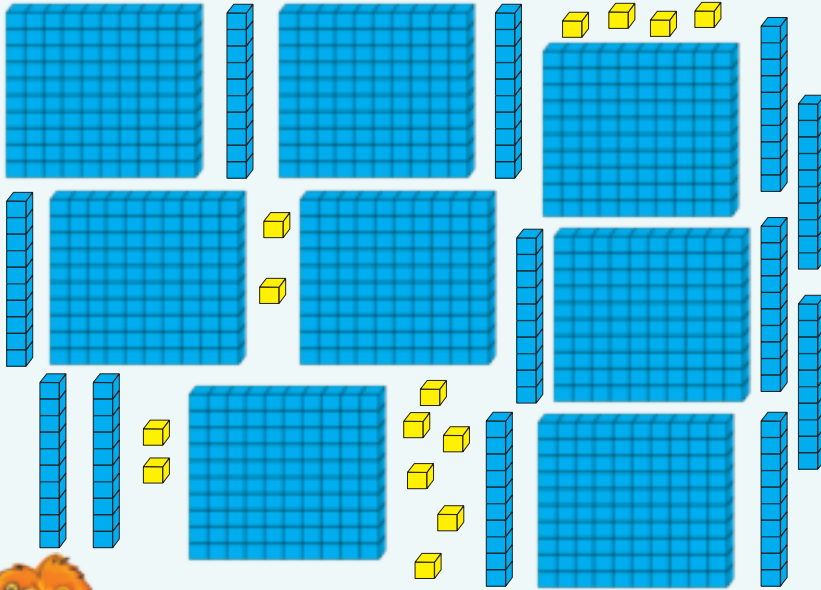
945; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 967

f. Nwalani nomboro dza 8 dzi no tevhela dzi kha phetheni ya dzi5.

936; 941; 946; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Ni kona u vhala zwiḅuḷoko zwingana?



Zwiḅuḷoko izwi no zwi vhalisa hani?



Fhedzisani mitalombalo.

950			953				957	958		
							956	961	966	
					903	906	909			



Fhedzisani theḅuḷu.

Nwalani u bva kha ṭhukhusa u swika kha khulwanesa

Nwalani u bva kha khulwanesa u ya kha ṭhukhusa

936, 933, 935, 931, 937		
978, 907, 970, 917, 971		



Nwalani zwi tevhelaho nga maipfi.

695	
-----	--

Teacher:

Sign:

Date:

## Nomboro dzinwe hafhu 900 u swika kha 1 000

Themo ya 4

Mulalo o vha e na magaraṭa a vhuimo ha nomboro na zwiḅuloḅo zwa beisi ya fumi zwi tevhelaho.

Mudededzi vho hambela Mulalo uri a sumbedze 932 nga magaraṭa awe na zwiḅuloḅo.

Hezwi ndi zwe Gugu a sumbedza zwone. O khakha ngafhi?



Nwalani fhungo la nomboro ni tevhedze nga phindulo.

$900 + 80 + 4 = 984$

$900 + 30 + 2 = 932$

$900 + 20 + 3 = 923$



Nwalani fhungombalo ni tevhedze nga phindulo.

$900 + 90 + 9 =$

$=$

$900 + 20 =$

$=$

$900 + 8 =$

$=$



Fhedzisani mutalombalo.

989	990	991								999
-----	-----	-----	--	--	--	--	--	--	--	-----

Mpheni nomboro dzothe dzi re tshukhu kha 995. \_\_\_\_\_

Mpheni nomboro dzothe dzi re khulwane kha 995. \_\_\_\_\_



Dzhenisani < kana > =

- a. 999 \_\_\_\_\_ 998      b. 957 \_\_\_\_\_ 975  
 c.  $900 + 60 + 1$  \_\_\_\_\_ 961



Padulani nomboro yanu.

- a. Fhatani nomboro inwe na inwe nga magarata anu.  
 b. Nwalani ve!u (ndeme) ya didzhiti inwe na inwe. Zwino itani hezwi: Padulani nomboro yanu.

922	
959	
980	
907	
931	

Tsumbo: 984

900
80
4
984

984     $900 + 80 + 4$



Nwalani madzina a nomboro.

976	
905	
950	
821	
909	



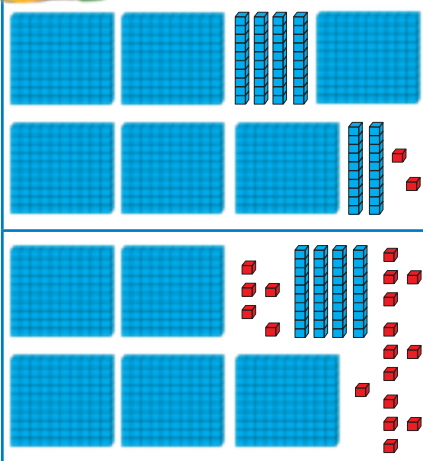
Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

# Mutanganyo na mutuso u swika kha 999

Themo ya 4

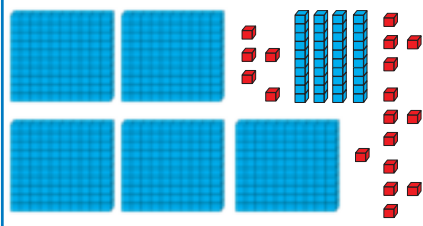


Nwalani f'hungombalo la inwe na inwe.



Talutshedzani uri no vhalisani hani zwi buḽoko.

\_\_\_\_\_



Talutshedzani uri no vhalisani hani zwi buḽoko.

\_\_\_\_\_



Shumisani tsumbo uri i ni dededze.

50	50	nyingakavhili (dabhulu) ya 50 ndi 100	300	300	
200	200		3	3	



Shumisani nyingakavhili dza tsinisa kha u saukanya zwi tevhelaho. Shumisani tsumbo uri i ni dededze.

a. $43 + 44 =$	U inga kavhili $43 + 1$	$43 + 43 + 1 = 87$
b. $81 + 41 =$		
c. $40 + 41 =$		
d. $66 + 67 =$		



Shumisani nyingakavhili dza tsinisa  
kha u saukanya zwi tevhelaho.  
Shumisani tsumbo uri i ni dededze.

a. U inga kavhili 340  
 $= 340 + 340$   
 $=$  U inga kavhili 340  
 $= 300 + 300 + 40 + 40$   
 $= 600 + 80$   
 $= 680$

b.  $340 + 341$   
 $=$  U inga kavhili  $340 + 1$   
 $= 300 + 300 + 40 + 40 + 1$   
 $= 600 + 80 + 1$   
 $= 681$

c.  $470 + 470$

d.  $461 + 462$



Thasululani zwi tevhelaho:



Vhana vha Gireidi ya 2 vho kuvhanganya mimavhulu ya 360.  
 Vhana vha Gireidi ya 3 vho kuvhanganya mimavhulu i re fhasi kha ya vha Gireidi ya 2 nga 216.  
 Vhana vha Gireidi ya 3 vha na mimavhulu mingana?



Teacher:  
Sign:  
Date:

## Hayani

Themo ya 4



Duvha la u baka.

Makhadzi Vho Masindi vha baka vhurotho ovenini.

Sumbedzani zwifhinga kha watshi idzi.



Vha dzhenisa vhurotho nga themo ya u bva kha awara ya 4.

Vha bvisa vhurotho nga minete mitanu u bva kha awara ya rathi.

Vhurotho vhu dzhia tshifhinga tshingafhani uri vhu vhibve? \_\_\_\_\_



Mme a Ann vha shumisa oveni ya maikhiroweivi. I a t̄avhanya nga maanda.

Zwino ndi 16:30. Lavhelesani tshifhinga tsha u bika tshe tsha reiwa kha watshi ya oveni ya maikhiroweivi.



Vhurotho vhu do vhibva nga tshifhinga? \_\_\_\_\_

Oveni ya mikhiroweivi i t̄avhanya lungafhani u fhira ila inwe? \_\_\_\_\_ Nga minete ya.



Mishumo ya nga matsheloni.



Nga matsheloni a Mugivhela Mulanga na Maduvha vha thusa mme avho hayani. Mushumo muñwe na muñwe u dzhia tshifhinga tshingafhani?



	U thoma	U fhedza	Tshifhinga tshingafhani?
U bika vhuragane	6:15	6:40	
U t̄anzwa zwigodelo	7:20	8:05	
U kunakisa khishi	8:20	9:15	
U kunakisa bafurumu	10:00	10:25	
U kunakisa kamara dza u edela	11:30	12:15	



## U sheledza ngade.

Hosiphaiphi i nga kona u shumisa maḁi a litha dza 30 nga minete wa !!

Hosiphaiphi i nga kona u shumisa maḁi a litha nngana nga:

minete ya 2 ndi litha dza \_\_\_\_\_

minete ya  $2\frac{1}{2}$  ndi litha dza \_\_\_\_\_

minete ya 5 ndi litha dza \_\_\_\_\_


minete ya 10 ndi litha dza \_\_\_\_\_



## U bika ḁama ya khere.

Khotsi a Babu vha bika na u rengisa ḁama ya khere. Kha vhege nthihi, vha shumisa 750ml ya mapfura (oili).

Vha a ḁwala uri vho shumisa oili nngafhani ḁuvha linwe na linwe.

Mus	<u>L</u> avhuv	<u>L</u> avhur	<u>L</u> avhun	<u>L</u> avhut	Mug	Sun
						

- Vha shumisa ml nngana dza mapfura u bva nga Musumbuluwo u swika nga Mugivhela \_\_\_\_\_ ml.
- Vha shumisa ml nngana dza mapfura nga Swondaha \_\_\_\_\_ ml.
- Bodelo lithihi la 750ml la mapfura li ḁura R18,50  
Mabodelo a 4 a ḁura vhugai? \_\_\_\_\_.



Tolani!  
Vhambedzani!  
Lulamisani

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

# Ushuma nga tshelede

Themo ya 4



Vhalani khoini na dzinoutu.

$10 \times \text{R}1 = \text{R}10$	$20 \times \text{R}1 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}1 = \text{R} \underline{\hspace{2cm}}$
$10 \times \text{R}2 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}2 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}2 = \text{R} \underline{\hspace{2cm}}$
$10 \times \text{R}5 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}5 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}5 = \text{R} \underline{\hspace{2cm}}$
$10 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$
$10 \times \text{R}20 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}20 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}20 = \text{R} \underline{\hspace{2cm}}$
$100 \times \text{R}1 = \text{R} \underline{\hspace{2cm}}$	$100 \times \text{R}5 = \text{R} \underline{\hspace{2cm}}$	$100 \times \text{R}20 = \text{R} \underline{\hspace{2cm}}$
$100 \times \text{R}2 = \text{R} \underline{\hspace{2cm}}$	$100 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$	



Lwendo nga tshidimela.

Vho Khethani na vhana vhavho vha 3 vha namela tshidimela.  
 Vhahulwane na vhana vha badela u fana.  
 Vho Khethani vha badela nga hedzi dzinoutu (tshelede ya bambirini).



Tolani!  
 Vhambedzani!  
 Lulamisani



Vha wana tshintshi ya R30.

Mutengo wa thikhithi ya I ndi vhugai? Itani thiki (✓) kha phindulo yone:

- a. R90 \_\_\_\_\_ b. R32 \_\_\_\_\_ c. R80 \_\_\_\_\_ d. R45,50 \_\_\_\_\_



## Tshiphaza tsha Sandile.

Sandile u n̄wala tshedele ine a ita kha thebulu. U thoma nga u anganyela, a kona u rekanya uri hu na mbuelo ya vhugai nga d̄uvha.

Mbuelo ndi tshedele ine ra i hola kana ra i t̄anganedza. Thusani Sandile uri a fhedzise murekanyo wawe. N̄walani phindulo dzaṅu kha thebulu:

		Anganyelani	T̄hanganyelo
Musumbuluwo	$R50 + R75 + R200 + R350 + R25$		
L̄avhuvhili	$R25 + R175 + R50 + R320 + R90$		
L̄avhuraru	$R50 + R75 + R200 + R350 + R25$		
L̄avhuṅa	$R120 + R55 + R180 + R245 + R25$		
L̄avhuṭanu	$R60 + R150 + R140 + R200 + R125$		
Mugivhela	$R50 + R75 + R200 + R350 + R25$		
Swondaha			



## Wanani uri tshintshi ndi vhugai.

U itela u wana tshintshi, ni nga t̄anganya u thoma kha uri zwithu zwi d̄ura vhugai, ha tevhela uri ndi vhugai ine na d̄o badela yone.

**Tsumbo:** + 50c + R2 + R10 + R100

Maḍuvha u renga zwiliwa zwa R87,50  
U badela nga noutu ya R200.  
Tshintshi yawe ndi vhugai?

R87,50   R88   R90   R100   R200

$50c + R2 + R10 + R100 = R112,50$  tshintshi

Shumisani mitalombalo uri i ni thuse u wana tshintshi.

Mutengo: R229,40  
Ni badela nga:

Mutengo: R305,60  
Ni badela nga:



Teacher:  
Sign:  
Date:

# Mutanganyo na mutuso u swika kha 999 hafhu

Themo ya 4



Kha ri tandulule thaidzo.

Gugu o kuvhanganya zwiṭikara zwa 234.  
Mandla a mu fha zwiṭikara zwa 501 nga ntḥa.  
U na zwiṭikara zwingana zwino?

Mbudziso ndi ifhio?  
Hu na zwiṭikara zwingana zwino?

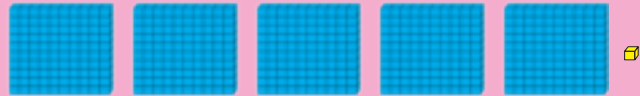
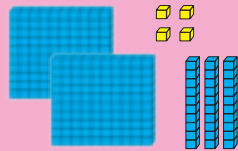
Iphi li re khii ndi lifhio? zwinzhi

Nomboro ndi ifhio? 234 na 501

Kha ri zwi sumbedze nga zwiḅuloko zwashu zwa beisi ya mahumi.



Hezwi ndi zwe Lisa a ita kha u tandulula thaidzo ya Gugu.



Hezwi ndi zwe Aakar a ita.  
. O ita nyolo.



Kuvhetshele kwa Lisa kwa zwiḅuloko zwa mahumi zwawe ku fana ngafhi na nyolo ya Aakar.  
Shumisani nomboro i re kha thaidzo kha u thandulula thaidzo iyi ni tshi shumisa ndila (ngona) dze na guda u swika zwino.

Ndila ya 1

Ndila ya 2



## Mishumo ya nga mats Sheloni.

Thembi u kuvhanganya zwithu a tshi itela thandela ya tshikolo ya u vusuludza malatwa. O kuvhanganya mabodelo a pulasitiki a 624 na zwi kotikoti zwa 268. O kuvhanganya zwithu zwingana?

Mbudziso ndi ifhio? \_\_\_\_\_

<p>Nomboro ndi dzifhio?</p>	<p>Ipfi li re khii ndi lifhio? Itani thiki kha phindulo yone. Ipfi li re khii li ri vhudza uri ri:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">Tanganye</div> <div style="border: 1px solid black; width: 20px; height: 20px; background-color: white;"></div> <div style="border: 1px solid black; padding: 2px;">Tuse</div> <div style="border: 1px solid black; width: 20px; height: 20px; background-color: white;"></div> </div>
<p>Itani nyolo.</p>	<p>Shumisani ndila yanu kha u tandulula thaidzo.</p>

Vhengeleni hu na phakhethe dza swigiri dza 900. Musi ho rengiswa dzinwe, hu sala phakhethe dza swigiri dza 659? Ho rengiswa phakhethe nngana?

Mbudziso ndi ifhio? \_\_\_\_\_

<p>Nomboro ndi dzifhio?</p>	<p>Ipfi li re khii ndi lifhio? Itani thiki kha phindulo yone. Ipfi li re khii li ri vhudza uri ri:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">Tanganye</div> <div style="border: 1px solid black; width: 20px; height: 20px; background-color: white;"></div> <div style="border: 1px solid black; padding: 2px;">Tuse</div> <div style="border: 1px solid black; width: 20px; height: 20px; background-color: white;"></div> </div>
<p>Itani nyolo.</p>	<p>Shumisani ndila yanu kha u tandulula thaidzo.</p>



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

# Mutanganyo na mutuso u swika kha 999 hafhu

Themo ya 4

Lavhelesani nyolo ni i talutshedze.



a.  $223 + 223 =$  \_\_\_\_\_.

b.  $160 + 160 =$  \_\_\_\_\_.

c.  $115 + 115 =$  \_\_\_\_\_.

d.  $315 + 315 =$  \_\_\_\_\_.

e.  $117 + 117 =$  \_\_\_\_\_.

f.  $450 + 450 =$  \_\_\_\_\_.

g.  $112 +$  \_\_\_\_\_  $= 224.$

h.  $116 +$  \_\_\_\_\_  $= 232.$



Nwalani nomboro.

a. 12 nga ntaha ha 523 ndi \_\_\_\_\_.

e. 537 ho tuswa 29 ndi \_\_\_\_\_.

b. 15 nga ntaha ha 540 ndi \_\_\_\_\_.

f. Hafu ya 300 ndi \_\_\_\_\_.

c. 20 nga ntaha ha 576 ndi \_\_\_\_\_.

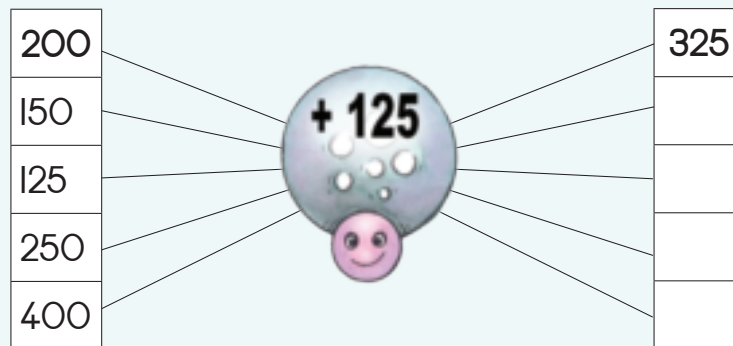
g. Davhulu ya 420 ndi \_\_\_\_\_.

d. 60 nga ntaha ha 590 ndi \_\_\_\_\_.

h. Hafu ya 600 ndi \_\_\_\_\_.



Tanganyani 125





Ndi mini zwi no vhumba 1 000?

a. $200 + 150 + 50 + \square = 1000$	e. $25 + \square + 900 = 1000$
b. $1000 = 560 + \square + 400$	f. $\square + 700 + 50 = 1000$
c. $670 + \square = 1000$	g. $1000 = 420 + \square + 500$
d. $910 + 40 + \square = 1000$	h. $\square + 30 + 900 = 1000$

Wanani miṭa ya nomboro dza + na -

Tsumbo:  $125 + 600 = 725$     $725 - 125 = 600$     $725 - 600 = 125$



$123 + 77 = \square$	$\square - 77 = 123$	$\square - 123 = 77$
$650 + \square = 800$	$800 - 650 = \square$	$\square + 650 = 800$
$1000 - 250 = \square$	$1000 - \square = 250$	$250 + \square = 1000$
$56 + \square = 300$	$300 - \square = 56$	$\square + 56 = \square$
$820 + \square = 1000$	$1000 - \square = 820$	$1000 - 820 = \square$

Tolani!  
Vhambedzani!  
Lulamisani

Tanganyani na uṭusa mahumi na maḍana.

a. Mahumi na maḍana

$78 + 10 =$	$149 + 10 =$	$456 + 100 =$	$987 + 10 =$
$636 + 100 =$	$801 + 100 =$	$727 + 100 =$	$612 + 10 =$
$456 - 10 =$	$749 - 100 =$	$829 - 100 =$	$987 - 10 =$
$875 + 10 =$	$709 - 100 =$	$815 + 10 =$	$903 - 100 =$

b. Mahumi oṭhe (Nyandiso dza 10)

$150 - 30 =$	$190 - 60 =$	$175 - 50 =$	$990 - 80 =$
$210 + 90 =$	$335 + 60 =$	$660 + 50 =$	$812 + 60 =$
$256 - 50 =$	$320 - 30 =$	$785 - 60 =$	$999 - 90 =$
$567 + 37 =$	$671 + 90 =$	$832 + 80 =$	$928 + 80 =$

Thasululani zwi tevhelaho:

$925 + 53 = \square$     $571 + 202 = \square$     $786 + 75 = \square$     $903 + 95 = \square$



Teacher:

Sign:


Date:

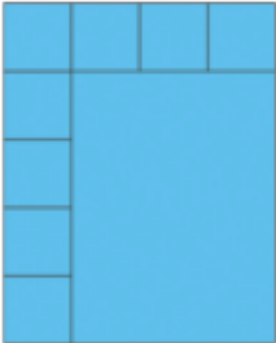


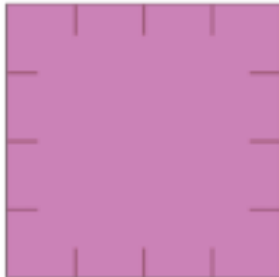
## Phazili (khanganyisa) dza mielo

Themo ya 4



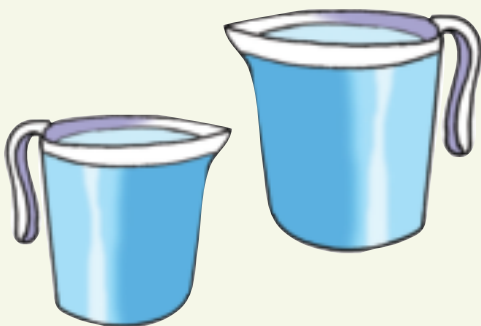
Wanani nyalo.

Ri nga shumisa zwickwea  zwingana zwa saizi iyi kha u vala tshoṭhe inwe na inwe ya nyolo idzi? Shumisani ndila yanu ya u wana phindulo. Ni nga kha di ola zwickwea kha zwifanyiso uri zwi ni thuse u wana phindulo.

<p>a.</p>  <p>_____</p>	<p>b.</p>  <p>_____</p>
<p>c.</p>  <p>_____</p>	<p>d.</p>  <p>_____</p>



Thasululani thai.



Ni khou ṭoda u pima litha dza 4 kokotolo.

Ni na zwifaredzi zwivhili fhedzi: tshithihi dzi dala nga litha dza 3 ngeno tshinwe tshi tshi dala nga litha dza 5. Ni do tou zwi itisa hani?

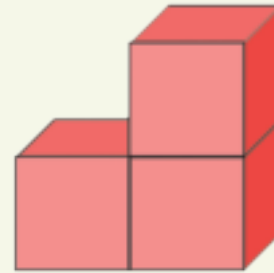
Lusevhedi: hu na ndila dzi no swika mbili.



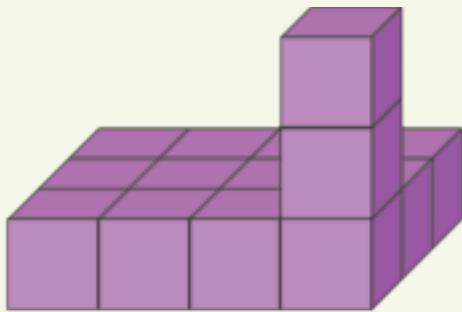
### Ni kona u vhona mini?

Zwibuloko zwiraru zwo nambatelana u fana na tshifanyisoni itshi.

Arali na nga imisa zwibuloko zwo nambatelanaho, ndi zwikwea zwingana zwine na kona u zwi vhana nga nnda? \_\_\_\_\_



### Vhalani khiubu.



Ndi khiubu nngana dzi dze dza vhumba tshivhumbeo itshi?  
\_\_\_\_\_



### Khaedu: thai ya tshifhinga

Ni na watshi mbili dza mutavha.

Nthihi i sumbedza minete ya 7 kwakwakwa ngeno inwe i tshi sumbedza minete ya 11 kwakwakwa.

Ni nga shunisa watshi ya mutavha nga ndilade u itela u wana uri minete ya 15 yo fhira lini kwakwakwa?  
\_\_\_\_\_  
\_\_\_\_\_

Tolani!  
Vhambedzani!  
Lulamisani



# Phetheni dza nomboro: mahumi u swika kha 900

Themo ya 4

Kha ri vhale nga mahumi u bva kha 810 u swika kha 900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900



Nomboro dzo tangedzelwaho dzi ri sumbedza phetheni ifhio?

Dzo tangedzelwaho nga muvhala **mutswuku**: U vhalela nga \_\_\_\_.

Ñwalani phetheni:

Dzo tangedzelwaho nga muvhala **mudala**: U vhalela nga \_\_\_\_.

Ñwalani phetheni:



Rekanyani.

a.  $874 + 10 + 10 + 10 = \underline{\quad}$

b.  $858 - 10 - 10 - 10 - 10 = \underline{\quad}$

c.  $845 + 10 + 10 = \underline{\quad}$

d.  $858 - 10 - 10 - 10 = \underline{\quad}$

e.  $836 + 10 = \underline{\quad}$

f.  $866 - 10 - 10 = \underline{\quad}$

g.  $892 + 10 + 10 + 10 = \underline{\quad}$

h.  $87 - 10 - 10 - 10 = \underline{\quad}$

i.  $880 + 10 + 10 = \underline{\quad}$

j.  $855 - 10 = \underline{\quad}$



## Hu na zwitanda zwingana?

Hu na zwitanda  zwa fumi kha nanda nthihi. .

1		= zwitanda zwa _____	10		= zwitanda zwa _____
2		= zwitanda zwa _____	20		= zwitanda zwa _____
3		= zwitanda zwa _____	30		= zwitanda zwa _____
4		= zwitanda zwa _____	40		= zwitanda zwa _____
5		= zwitanda zwa _____	50		= zwitanda zwa _____
6		= zwitanda zwa _____	60		= zwitanda zwa _____
7		= zwitanda zwa _____	70		= zwitanda zwa _____
8		= zwitanda zwa _____	80		= zwitanda zwa _____
9		= zwitanda zwa _____	90		= zwitanda zwa _____
10		= zwitanda zwa _____	100		= zwitanda zwa _____

## Rou ya zwitanda.



Hu na nanda dza fumi dza zwitanda kha rou nthihi = zwitanda zwa 100

Rou ya 1 ya nanda dza 100 = zwitanda zwa 100

$$10 \times 10 = 100$$

Rou dza 2 dza nanda dza 10 = zwitanda zwa \_\_\_\_\_

$$20 \times 10 = \underline{\hspace{2cm}}$$

Rou dza 4 dza nanda dza 10 = zwitanda zwa \_\_\_\_\_

$$40 \times 10 = \underline{\hspace{2cm}}$$

Rou dza 10 dza nanda dza 10 = zwitanda zwa \_\_\_\_\_

$$100 \times 10 = \underline{\hspace{2cm}}$$

## Hu na nanda nngana?

zwitanda zwa 700 zwi ita nanda dza \_\_\_\_\_.

zwitanda zwa 900 zwi ita nanda dza \_\_\_\_\_.

zwitanda zwa 1 000 zwi ita nanda dza \_\_\_\_\_.









Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

# Sendedzani kha IO ya tsinisa

Themo ya 4

Kha bammbiri la u shumela lo fhiraho ro ita zwa u sendedza tsini nomboro. Lavhelesani mutalombalo ni tlatshedze khonani yanu uri ni do sendedza hani nomboro tsini fumi.



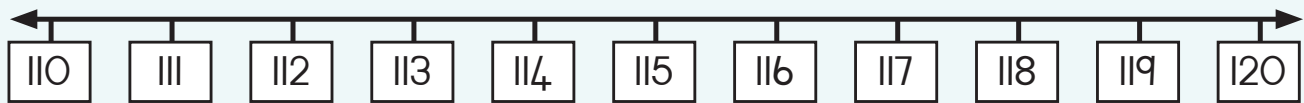
Ni elelwe uri ni tea u sedza dziyuniti musu ni tshi sendedza tsini na IO ya tsinisa.



Sendedzani tsini na IO ya tsinisa.

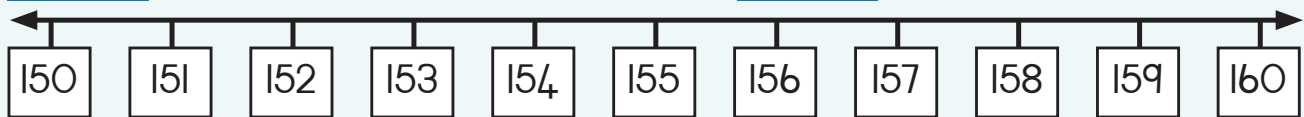
114 yo sendedzwa tsini ndi? \_\_\_\_\_

117 yo sendedzwa tsini ndi? \_\_\_\_\_



159 yo sendedzwa tsini ndi? \_\_\_\_\_

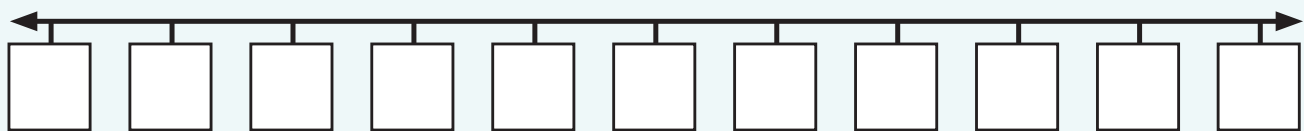
151 yo sendedzwa tsini ndi? \_\_\_\_\_



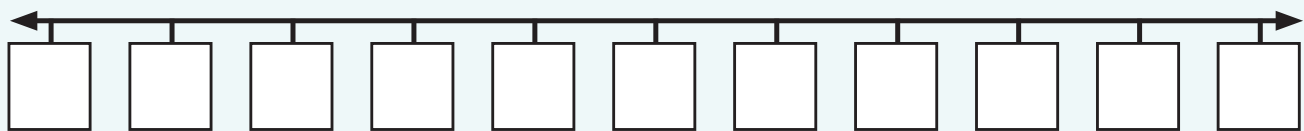
Sendedzani tsini na IO ya tsinisa.

Olani mutalombalo wa inwi mune.

195



945





## Sendedzani tsini na 10 ya tsinisa.

Ni sa athu isa tsini:

- riwalani uri nomboro i no khou sendedzwa tsini i vhukati ha mahumi mavhili afhio.
- sumbedzani lwa u tou anganyela nga musevhe vhuimo kha mutalombalo ha nomboro iyi i no khou sendedzwa tsini.

a. 128 yo iswa tsini na fumi la tsinisa ndi 130

b. 877

c. 901

d. 566

e. 999



## Sendedzani tsini na 10 ya tsinisa.

- a. 161  b. 583  c. 415  d. 848  e. 612
- f. 230  g. 327  h. 989  i. 534  j. 748



## Ndi do shumisa noutu nngana dza RIO?

Mbali na khonani dzawe dza 8 vha khou ya vhuṭamboni ha ḍuvha la u ḍiphina la tshikolo. Ḍuvha ili li badelelwa R4 muthu muthihi. Mbali o vhulunga tshelede ine a do badelelavho na avha vhanwe ngayo. A ya ATM u bvisa tshelede. ATM i kona fhedzi u bvisa tshelede ya dzinoutu. U tea u vha e na noutu nngana dza RIO?



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

Deithi:

113

# Muandiso na mukovho: u swika kha 100

Themo ya 4



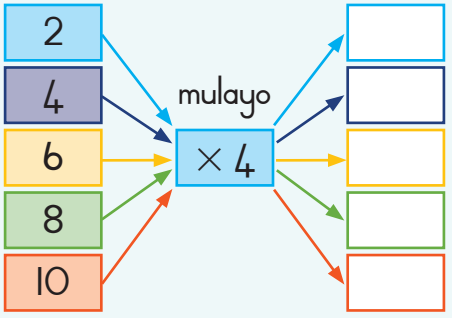
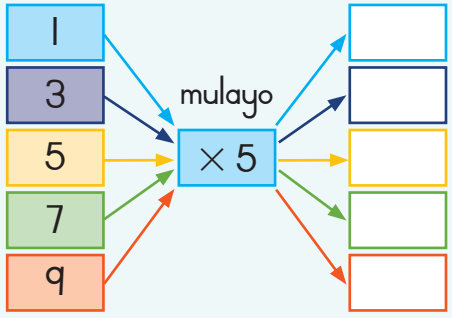
Fhedzisani nyolo ya muelo.

nomboronzheniswa

nomboromviswa

nomboronzheniswa

nomboromviswa



Fhedzisani thebulu i re afho fhasi:

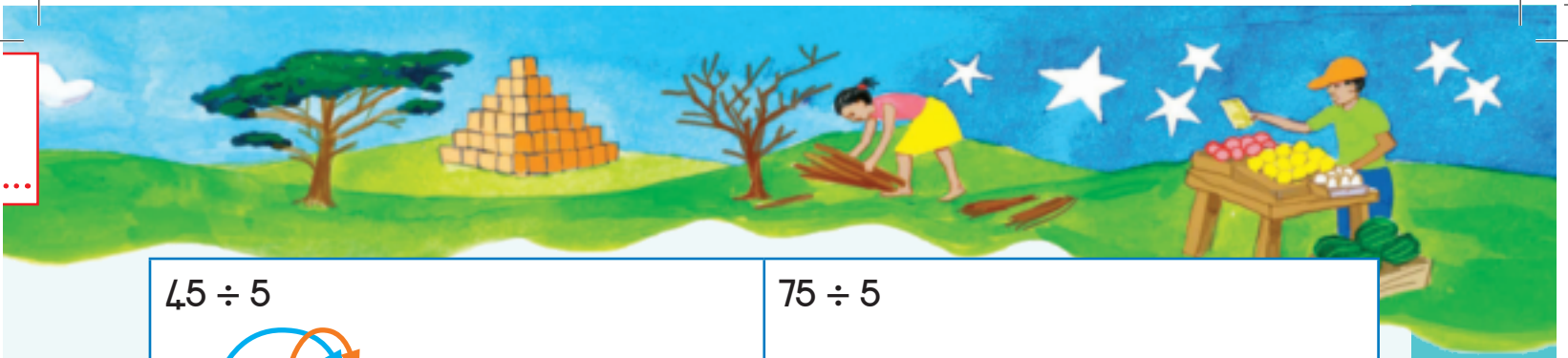
×	1	2	3	4	5	6	7	8	9	10
5										



Rekanyani:

$12 \times 5$ $= (10 + 2) \times 5$ $= 50 + 10$ $= 60$	$11 \times 5$
$13 \times 5$ $= (10 + 3) \times 5$ $= 50 + 15$ $= 50 + 10 + 5$ $= 65$	$13 \times 5$





$$45 \div 5$$

$$= (40 + 5) \div 5$$

$$= (40 \div 5) + (5 \div 5)$$

$$= 8 + 1$$

$$= 9$$

$$75 \div 5$$

$$48 \div 5$$

$$= (40 + 8) \div 5$$

$$= (40 \div 5) + (8 \div 5)$$

$$= 8 + 1 \text{ ha sala } 3$$

$$= 9 \text{ ha sala } 3$$

$$13 \div 5$$



Tandululani mbalo dzi tevhelaho:

Ngade ya miroho i na rou dza 14 dza zwimela.

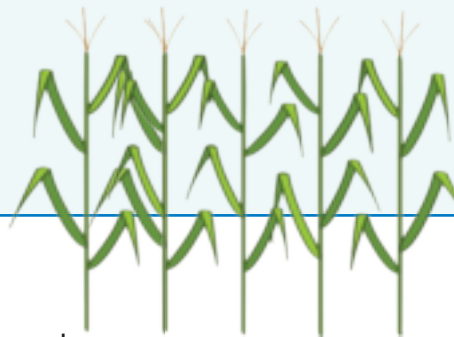
Rou inwe na inwe i na tshivhalo tshi no fana tsha zwimela.

Arali tshanganyelo ya zwimela i 70, hu na zwimela zwingana kha rou inwe na inwe?

David u rengisa zwikedzi zwi re na maswiri matanu kha tshinwe na tshinwe.

U na maswiri a 85.

A nga dadza zwikedzi zwingana.



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

# Phetheni dza nomboro: ṭhanu u swika kha 1 000

Themo ya 4

Kha ri vhale nga ṭhanu u thoma kha 805 u swika kha 900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900



Nomboro dzo tangedzelwaho dzi ri sumbedza phetheni ifhio?

Dzo tangedzelwaho nga muvhala <b>wa lutombo</b> :	U vhalela nga _____.
U vhalela nga	
Dzo tangedzelwaho nga muvhala <b>phephulu</b> :	U vhalela nga _____.
U vhalela nga	



Rekanyani.

a. $875 + 5 + 5 + 5 =$ _____	b. $850 - 5 - 5 - 5 =$ _____	c. $845 + 5 + 5 =$ _____
d. $830 - 5 - 5 - 5 =$ _____	e. $886 + 5 =$ _____	f. $846 - 5 - 5 =$ _____
g. $802 + 5 + 5 + 5 =$ _____	h. $801 - 5 =$ _____	i. $853 - 5 - 5 - 5 =$ _____



Bobo ya nomboro 901 u swika kha 1 000.

901		903	904	905	906		908	909	910
911		913	914	915	916		918	919	920
921		923	924	925	926		928	929	930
931		933	934	935	936		938	939	940
941		943	944	945	946		948	949	950
951		953	954	955	956		958	959	960
961		963	964	965	966		968	969	990
971		973	974	975	976		978	979	990
981		983	984	985	986		988	989	990
991		993	994	995	996		998	999	1000



Nwalani nomboro dzi no khou t̄ahela.

Phambano vhukati ha nomboro dala na dza phephulu ndi ifhio kha rou nthihi?



Fhedzisani phetheni.

No kona u vhona phetheni?	I t̄alutshedzeni
963, 968, 973, 978, 983, _____	
944, 949, 954, 959, 964, _____	
921, 926, 931, 936, 941, _____	
956, 951, 946, 941, 936, _____	
982, 987, 992, 997, _____	
927, 922, 917, 912, 907, _____	



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

# Zwiṁwe hafhu nga Simethiri (Ndinganahuhili)



## Tshivhonini.

Tambani na muṁwe nga invi ni tshi shumisa sethe dza phaziji dza dzit'haili (zzipida zwa 14) zwi no bva kha Tshigeniwa 10.

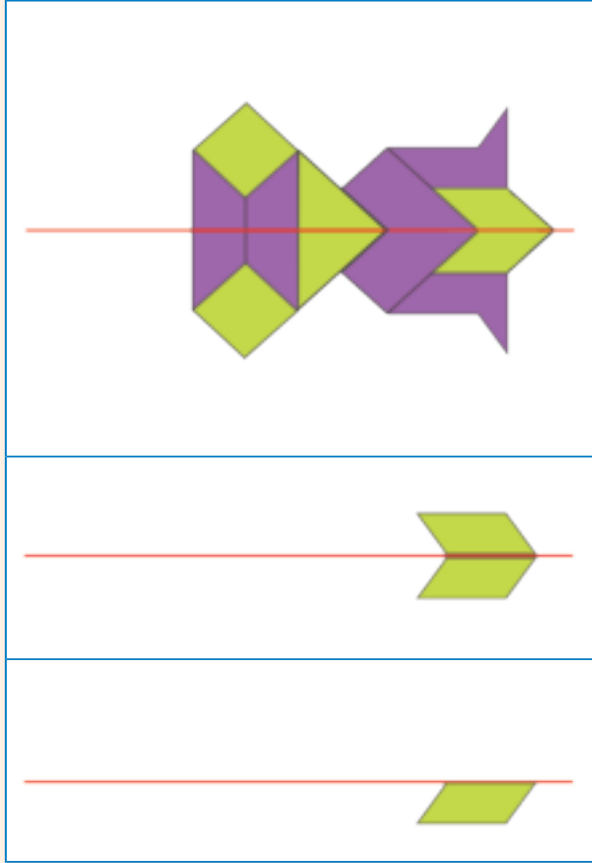
Mutambi muṁwe na muṁwe u na hafu ya zzipida (zzipida zwa 7) zwa phazwiji ya dzit'haili. Zzipida a zwo ngo tea u fana.

Talani mutaladzi vhukati ha tshipida tsha bambiriri. U go vha wone "mutalo wa murunzi".

Mutambi wa u thoma u vhea tshithihi tsha zzipida zwawe tsini na mutalo.

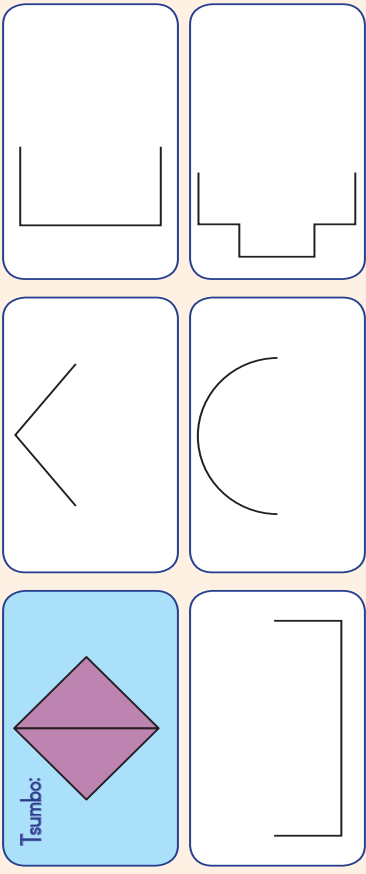
Zwino mutambi wa vuhhili u vhea murunzi wa itshi tshipida kha luṁwe lurumbu lwa mutaladzi. Tshi tea u kwama mutaladzi kana tshinwe tsha zzipida zwo no vhwawho.

Isani phanda u swika zzipida zwoṁhe zwo no fhelela.

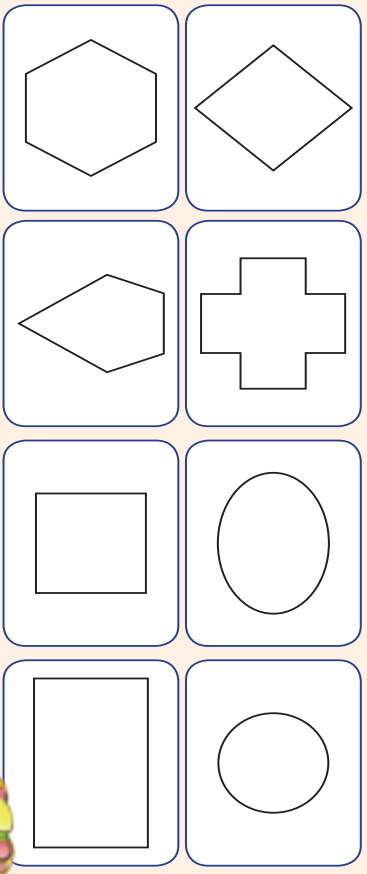


Olani luḷa luṁwe lurumbu lwa tshivhumbeo.

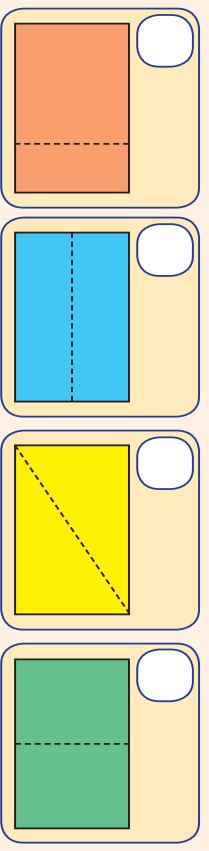
Sumbadzani mutaladzi wa semethiri.



Talani mutaladzi wa simethiri wa zwi tevhelelaho:



Itani thiki kha zwiwumbeo zwi re na mitaladzi yone ya simethiri.



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



**Phetheni dza nomboro: mbili u swika kha 900**

Kha ri vhale nga t'hanu u bva kha 802 u swika kha 900.

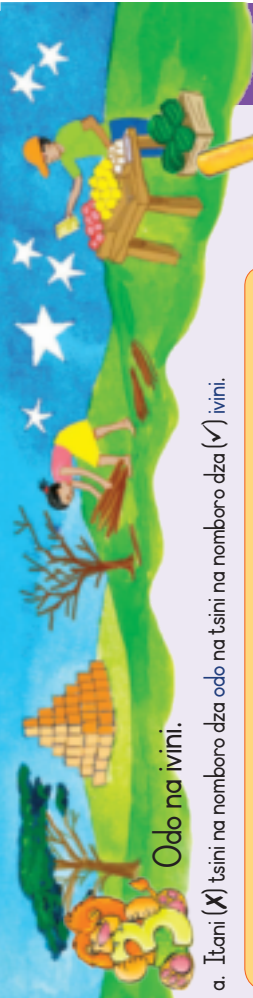
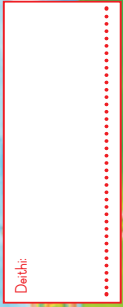
801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900

Nomboro dzo tangedzelwaho dzi ri sumbedza phetheni if hio?

Dzo tangedzelwaho nga muvhala wa <b>lutombo</b> :	U vhalela nga _____.
Nivalani phetheni:	
Dzo tangedzelwaho nga muvhala <b>mudala</b> :	U vhalela nga _____.
Nivalani phetheni:	

**Rekanyani.**

a. $872 + 2 + 2 + 2 =$ _____	b. $820 - 2 - 2 - 2 =$ _____	c. $844 + 2 + 2 =$ _____
d. $832 - 2 - 2 - 2 =$ _____	e. $883 + 2 =$ _____	f. $842 - 2 - 2 =$ _____
g. $801 + 2 + 2 + 2 + 2 =$ _____	h. $815 - 2 =$ _____	i. $846 - 2 - 2 - 2 =$ _____



**Odo na ivini.**

a. Itani (X) tsigni na nomboro dza odo na tsigni na nomboro dza (✓) ivini.

- 914   923   916   907   929   912   911   915
- 908   917   925   931   930   910   909   922   933

b. Fhindulani uri ivini kana odo.

- Na țanganya nomboro mbili dza odo. Ni wana nomboro ya \_\_\_\_\_.
- Na țanganya nomboro mbili dza ivini. Ni wana nomboro ya \_\_\_\_\_.
- Na țanganya nomboro t'haru dza odo. Ni wana nomboro ya \_\_\_\_\_.



**U țavha miri.**

Hei ndi inwe ndila ya u țavha miri ya 48 kha rou dzi no egdana.



Ri nga n'wala:  $2 \times 24 = 48$  (rou dza 2 dza miri ya 24 = 48) kana  $48 \div 2 = 24$  (miri ya 48 yo v'hambela kha rou dza 2 dzi no lingana i ri fha miri ya 24 kha rou nthihi). Vhalani rou na miri zwi re tshifanyisoni tshiinwe na tshiinwe af'ho fhasi. Nwalani fhungombalo ja x na a ÷ ni tshi livhan'ya (metshiso).

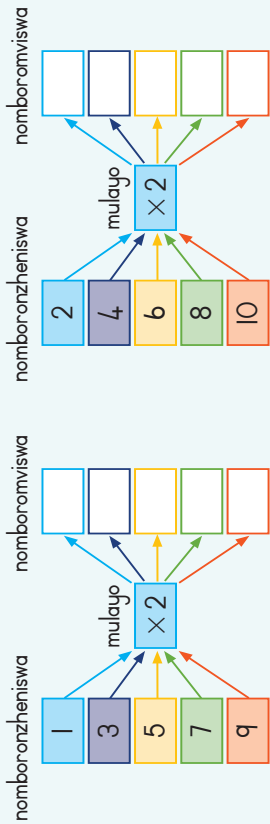
a.	$\times$ _____ = _____	$\div$ _____ = _____	
b.	$\times$ _____ = _____	$\div$ _____ = _____	
c.	$\times$ _____ = _____	$\div$ _____ = _____	
d.	Wanani inwe ndilavho ya u țavha miri ya 48 kha dzirou.	$\times$ _____ = _____	$\div$ _____ = _____
e.	Wanani inwe ndilavho ya u țavha miri ya 48 kha dzirou.	$\times$ _____ = _____	$\div$ _____ = _____

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



**Muandiso na mukovho:**  
**mbilimbili (dzimbili) u swika kha 100**

Fhedzisani nyolo ya muelo.



Fhedzisani thebulu i re afho fhasi:

×	1	2	3	4	5	6	7	8	9	10
2										

Rekanyani:

$$12 \times 2 = (10 + 2) \times 2 = 20 + 4 = 24$$

$$18 \times 2 = (10 + 8) \times 2 = 20 + 16 = 20 + 10 + 6 = 36$$

Dele:

$$46 \div 2 = (40 + 6) \div 2 = (40 \div 2) + (6 \div 2) = 20 + 3 = 23$$

$$74 \div 2 =$$

$$47 \div 2 = (40 + 7) \div 2 = (40 \div 2) + (7 \div 2) = 20 + 3 \text{ ha sala } 1 = 23 \text{ ha sala } 1$$

$$75 \div 2 =$$



Tandululani mbalo dzi tevhelaho:

Ngade ya miroho i na rou dza 32 dza zwimela.

Rou inwe na inwe i na zwimela zwa 2.

Hu na zwimela zwingana ngadeni?

Ngade ya miroho i na rou dza 40 dza zwimela.

Rou inwe na inwe i na zwimela zwa tshvhalo tshi no lingana.

Aradi hu na thanganyelo ya zwimela zwa 80, hu na zwimela zwingana kha rou inwe na inwe?

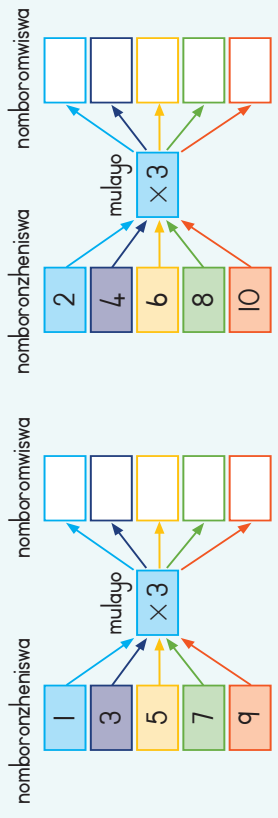


Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

Dechi: .....

### Muandiso na mukovho: tharutharu (dziraru) u swika kha 100

Fhedzisani nyolo ya muelo.

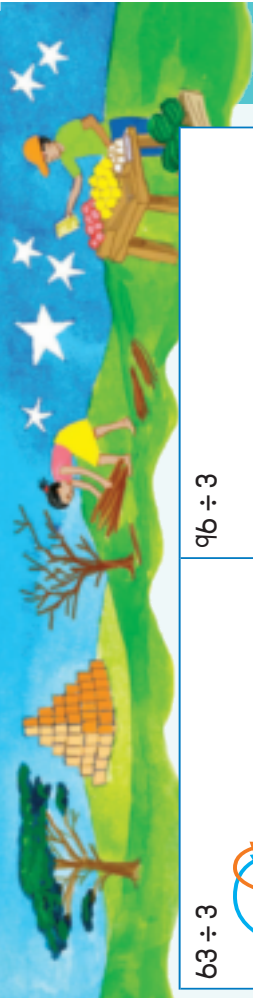


Fhedzisani thebulu i re afho fhasi:

×	1	2	3	4	5	6	7	8	9	10
3										

Rekanyani:

$12 \times 3$ $= (10 + 2) \times 3$ $= 30 + 6$ $= 36$	$11 \times 3$
$17 \times 3$ $= (10 + 7) \times 3$ $= 30 + 21$ $= 30 + 20 + 1$ $= 51$	$19 \times 3$



$63 \div 3$ $= (60 + 3) \div 3$ $= (60 \div 3) + (3 \div 3)$ $= 20 + 1$ $= 21$	$96 \div 3$
$65 \div 3$ $= (60 + 5) \div 3$ $= (60 \div 3) + (5 \div 3)$ $= 20 + 1 \text{ ha sala } 2$ $= 21 \text{ ha sala } 2$	$98 \div 3$



Tandululani mbalo dzi tevheldho:

Musiwa u na majegere a 30.  
 A fhira a Jacob kafumi.  
 Jacob u na majegere mangana?  
 Ngade ya miroho i na rou dza 29 dza zimela.  
 Rou iriwe na iriwe i na zimela zwa 3.  
 Hu na zimela zwingana ngadeni?

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

# Phethehi dza nomboro: tharu u swika kha 1 000.

Kha ri vhale nga tharutharu (dziraru) u bva kha 803 u swika kha 899.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900

Nomboro dzo tangedzelwaho dzi ri sumbedza phethehi ifhio?

Dzo tangedzelwaho nga muvhala wa tshitolopana: U vhalela nga \_\_\_\_\_.

Nwalani phethehi: \_\_\_\_\_

Dzo tangedzelwaho nga muvhala mudala: U vhalela nga \_\_\_\_\_.

Nwalani phethehi: \_\_\_\_\_

## Rekanyani.

- a.  $873 + 3 + 3 + 3 =$  \_\_\_\_\_
- b.  $824 - 3 - 3 - 3 =$  \_\_\_\_\_
- c.  $841 + 3 + 3 =$  \_\_\_\_\_
- d.  $837 - 3 - 3 - 3 =$  \_\_\_\_\_
- e.  $889 + 3 =$  \_\_\_\_\_
- f.  $846 - 3 - 3 =$  \_\_\_\_\_
- g.  $802 + 3 + 3 + 2 =$  \_\_\_\_\_
- h.  $819 - 3 =$  \_\_\_\_\_
- i.  $880 - 3 - 3 - 3 =$  \_\_\_\_\_

Debiti: \_\_\_\_\_

Bodo ya nomboro 901 u swika kha 900.

901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000

Nwalani nomboro dzi no khou tahela.

Khajarani zwiujoko zwi re na nomboro i no khou tahela nga muvhala mudala.  
Khajarani zwiujoko zwitshena nga muvhala mutswuku. Ni kona u vhona phethehi ifhio?

\_\_\_\_\_

## Fhedzisani phethehi.

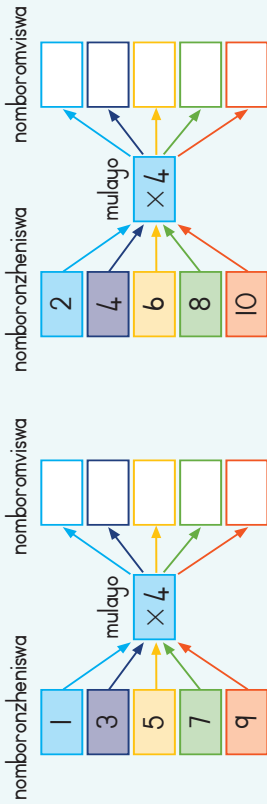
- a. Tanganyani raru dza 4 kha 981. \_\_\_\_\_
- b. Tanganyani raru dza 5 kha 973. \_\_\_\_\_
- c. Tusani raru dza 4 kha 975. \_\_\_\_\_
- d. Tusani raru dza 3 kha 947. \_\_\_\_\_
- e. Tanganyani raru dza 2 kha 932. \_\_\_\_\_

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

Debiti: .....

**Muandiso na mukovho: dziina u swika kha 100**

Fhedzisani nyolo ya muelo.



Fhedzisani thebulu i re afho fhasi:

×	1	2	3	4	5	6	7	8	9	10
4										

Rekanyani:

$$\begin{aligned}
 12 \times 4 &= (10 + 2) \times 4 \\
 &= 40 + 8 \\
 &= 48
 \end{aligned}$$

$$\begin{aligned}
 13 \times 4 &= (10 + 3) \times 4 \\
 &= 30 + 12 \\
 &= 30 + 10 + 2 \\
 &= 52
 \end{aligned}$$

$$11 \times 4$$

$$15 \times 4$$

$$\begin{aligned}
 48 \div 6 &= (40 + 8) \div 4 \\
 &= (40 \div 4) + (8 \div 4) \\
 &= 10 + 2 \\
 &= 12
 \end{aligned}$$

$$\begin{aligned}
 45 \div 4 &= (40 + 5) \div 4 \\
 &= (40 \div 4) + (5 \div 4) \\
 &= 10 + 1 \text{ ha sala } 1 \\
 &= 11 \text{ ha sala } 1
 \end{aligned}$$

$$64 \div 4$$

$$49 \div 4$$



Tandululani mbalo dzi tevhelaho:

Mulaledzi u na majegere a 36.

U ja majegere a 4 dluvha linwe na linwe.

A nga ja majegere maolvha mangana?

Mulondo u na phakhethe dzi re na maswiri mana kha inwe na inwe.

U na maswiri a 88.

A nga kona u dadda phakhethe nngana?



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

## Phetheni dza nomboro: nngana (dziina) u swika kha 1 000

Kha ri vhale nga nngana u thoma kha 804 u swika kha 900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900

Nomboro dzo tangedzelwaho dzi ri sumbedza phetheni ifhio?

Dzo tangedzelwaho nga muvhala muddala:	U vhalela nga _____.
Nwalani phetheni:	
Dzo tangedzelwaho nga muvhala wa phephulu:	U vhalela nga _____.
Nwalani phetheni:	



Nwalani phetheni:

- a.  $872 + 4 + 4 + 4 =$  \_\_\_\_\_  
 b.  $821 - 4 - 4 - 4 =$  \_\_\_\_\_  
 c.  $840 + 4 + 4 =$  \_\_\_\_\_  
 d.  $836 - 4 - 4 - 4 =$  \_\_\_\_\_  
 e.  $885 + 4 =$  \_\_\_\_\_  
 f.  $845 - 4 - 4 =$  \_\_\_\_\_  
 g.  $803 + 4 + 4 + 4 =$  \_\_\_\_\_  
 h.  $813 - 4 =$  \_\_\_\_\_  
 i.  $817 - 3 - 3 =$  \_\_\_\_\_  
 j.  $813 - 4 =$  \_\_\_\_\_

Bodo ya nomboro 901 u swika kha 1000.

901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000

Nwalani nomboro dzi no khou tshela.

Khalarani zwi boko zwi re na nomboro i no khou tshela nga muvhala muddala.

Khalarani zwi boko zwi shena nga muvhala mutswuku. Ni kona u vhona phetheni ifhio?



Fhedzisani phetheni.

- a. Tanganyani ina dza 4 kha 980. \_\_\_\_\_  
 b. Tanganyani ina dza 5 kha 971. \_\_\_\_\_  
 c. Tusani ina dza 4 kha 963. \_\_\_\_\_  
 d. Tusani ina dza 3 kha 927. \_\_\_\_\_  
 e. Tanganyani ina dza 2 kha 938. \_\_\_\_\_

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

Debe:

### Zwipida zwi no lingana zwa yothe

Hafu nthihi, nga ngila dzo fhambananaho dza u i tshea.

Gerani rekthiengele dzi tshi bva kha bambiri la muvhala (kha Tshigeriwa tsha II).



Wanani dziuwe ngila dzo fhambananaho dza u vhumba hafu nthihi.

1. Petani rekthiengele ya bambiri nga vhukati ni tshi tevheza vhulapfu. Gerani bambiri nga vhukati henefo he na peta hone. Zwipida izwi zwi a lingana. Tshiwe na tshiwe tshazwe tshi pfi ndi hafu nthihi ( $\frac{1}{2}$ ) ya rekthiengele ya kale na kale (ya u thomani).
2. Petani rekthiengele ya bambiri nga vhukati ni tshi tevheza u rambalala. Gerani bambiri nga vhukati henefo he na peta hone. Zwipida izwi zwi a lingana. Tshiwe na tshiwe tshazwe tshi pfi ndi hafu nthihi ya bambiri ja kale na kale (ja u thomani).
3. Hu na ngila ifhio iwe ya u fhandula bambiri ja bva zwipida zwiwili zwi no lingana? Edzansi ni tshi shumisa tshigero na bambiri, ni kone uita mutalo wa zwitomathoma afho he na peta hone ni gere.



Zwipida zwi no lingana zwa tshothe hafu.

- Musi ri tshi khethekanya tshithu tsha bva zwipida zwa 2 zwi lingandho, izwo zwipida ri zwi vhidza dzihafu.
- Musi ri tshi khethekanya tshithu tsha bva zwipida zwa 3 zwi lingandho, izwo zwipida ri zwi vhidza zwararu.
- Musi ri tshi khethekanya tshithu tsha bva zwipida zwa 4 zwi lingandho, izwo zwipida ri zwi vhidza dzikota kana zwaiqa.
- Musi ri tshi khethekanya tshithu tsha bva zwipida zwa 5 zwi lingandho, izwo zwipida ri zwi vhidza zwatshana.

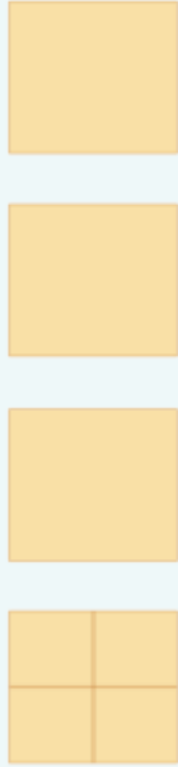
Sangwetshi dza tshiswiulo.

Thendo na khonani dzawe dza 3 vha a ita sendiwitshi nzhzi dza tshiswiulo.

Vha dzi tshea nga dzikota na zwaiqa kana dzikota.

Hezwi: zwi amba uri vho dzi tshea dza bva zwipida zwa 4 zwi lingandho.

Inwe ngila asiqi. Sumbedzani dziuwe ngila tharu dzine na nga zwi ita ngadzo.



Tolani Vhambdzani!  
Lulamisani



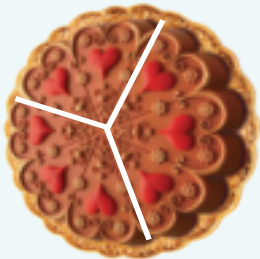
U kovha ha bva zwaiqa.

Musi ri tshi gera tshithu tsha bva dzikota ( $\frac{1}{4}$ s), ri tshi khethekanya tsha bva zwipida zwa 4 zwi lingandho. Ndi tshifanjiso tshifhio tshi sumbedzaho dzikota kana zwa ina? Nwalani ee kana hai tsini na nomboro.

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

### Mbalo dza furakhisheni

Rerani nga dzifurakhisheni ni na khonani dzanu.



Deleke



Tandululani mbalo dzi tevelaho nge na fhindula mbudziso na nga u ola nyolo.

a. Khoutshara ya netibolo u fha mutambi muñwe na muñwe hafu ya swiri. Hu na vhatambi vha 14.

U tea u vha e na maswiri mangana? \_\_\_\_\_

Mbudziso ndi ifhio? \_\_\_\_\_

Nomboro kana furakhisheni ndi dzifhio kha mbalo? \_\_\_\_\_

Ipfi ji re khii ndi ifhio? \_\_\_\_\_

Olani tshifanyiso. \_\_\_\_\_

Phindulo ndi ifhio? \_\_\_\_\_

Ipfi ji re khii ndi ipfi ji re  
ja do ntshusa kha u nanga  
mashumele a re one.



b. Mme anga vha fha nne na khonani dzanga dza fuminthihi koṭa ya apula muthu muthihi.

Vha tea u vha vhe na maapula mangana? \_\_\_\_\_

Nomboro kana furakhisheni ndi dzifhio kha mbalo? \_\_\_\_\_

Ipfi ji re khii ndi ifhio? \_\_\_\_\_

Olani tshifanyiso. \_\_\_\_\_



Phindulo ndi ifhio? \_\_\_\_\_

c. Nga duvha ja vhutambo ha tshikolo ho rengiswa khekhe dze dza vha dzo tshewa ntshini ya bva zwiṭa zwiraru.

Vha rengisela vhatu vha 24 zwiṭai zwa khekhe.

Vho rengisa khekhe nngana? \_\_\_\_\_

Nomboro kana furakhisheni ndi dzifhio kha mbalo? \_\_\_\_\_

Ipfi ji re khii ndi ifhio? \_\_\_\_\_

Olani tshifanyiso. \_\_\_\_\_



Phindulo ndi ifhio? \_\_\_\_\_

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



### Zwithu zwa 3-D

Lavhelesani zwifanyiso.

Ndi tshigwada tshifhio tshi no sumbedza bola, silinda na mabogisi?

<p>A</p>	<p>B</p>	<p>C</p>
----------	----------	----------



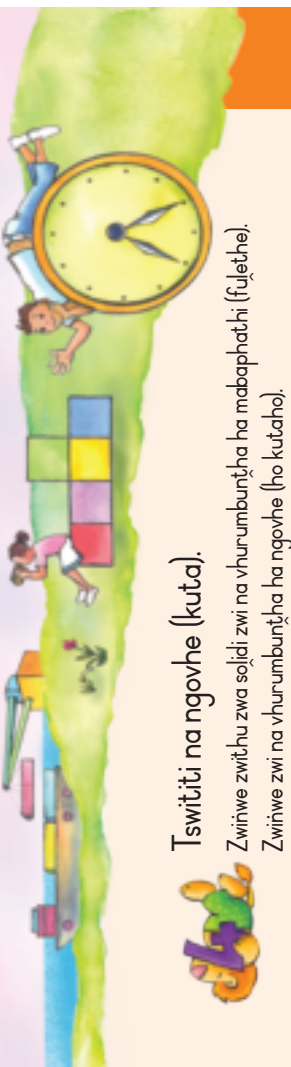
Wanani zwifanyiso zwivhili zwa tshinwe na tshinwe ni zwi nambatedze.

--	--



Talalani phindulo i re yone.

- Tamatšisi li na tshivhumbeco tsha bola-/bogisi-/silinda.
- Nglasi ya madi i na tshivhumbeco tsha bola-/bogisi-/silinda.
- Bugyi i na tshivhumbeco tsha bola-/bogisi-/silinda.



### Tswititi na ngovhe (kuta).

Zwinwe zwithu zwa solidi zwi na vhurumbuntsha ha mabaphathi (fulethe).  
Zwinwe zwi na vhurumbuntsha ha ngovhe (ho kutaho).

<p>Silinda i na masia mavhili a bande na litihhi lo kutaho.</p>	<p>Khounu ina sia litihhi la bande na sia litihhi lo kutaho.</p>	<p>Tshipulumbu tshi na ngovhe hothe (tsho kuta hothe).</p>
-----------------------------------------------------------------	------------------------------------------------------------------	------------------------------------------------------------



### Ukunguluwa.

Elekanyani uri silinda, khounu, kana tshipulumbu zwi nga kunguluwa nga nqilade.

Kha zwithu zwa 3, ndi tshifhio tshine:

a. Tsha si kone u kunguluwa tsha ya kule?	
b. Tsha nga kunguluwa tshi kha mutalotswititi?	
c. Tsha nga kungulutshela matungo othe?	

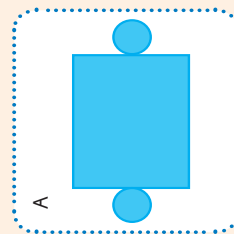


### Nete ndi mini?

Tshivhumbeco tsha baphathi (fulethe) tshine tsha petea tsha ita tshithu tsha solidi tshi pfi ndi nete.

Nwalani ledere la nete line la petea la vhumba khounu.

Nwalani ledere la nete line la petea la vhumba silinda.



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



# Uvheannga zwigwada na u kovhana hafhu



Mirekanyotshihadu.

Todani vhushaka.

$30 \div 3 =$ _____	$15 \div 3 =$ _____	$60 \div 3 =$ _____	$600 \div 3 =$ _____
$150 \div 3 =$ _____	$24 \div 4 =$ _____	$24 \div 8 =$ _____	$240 \div 4 =$ _____
$120 \div 4 =$ _____	$12 \div 4 =$ _____	$40 \div 10 =$ _____	$40 \div 5 =$ _____
$400 \div 10 =$ _____	$400 \div 5 =$ _____	$200 \div 5 =$ _____	$18 \div 2 =$ _____
$36 \div 2 =$ _____	$72 \div 2 =$ _____	$72 \div 4 =$ _____	$72 \div 8 =$ _____



Kovhekanana zwe zwa sala.

Ntakadzeni na Livhu vha khou tōga u kovhekana zwiṭṭiripi zwa 13 zwa tshokoleitshi. Muṛiwe na muṛiwe u wana zwiṭṭiripi zwingana?



Vha nga kona f'hezi u kovhekana kwekwea zwo f'helelaho zwa 12, muṛiwe na muṛiwe u wana zwa rathi. Tshipida tsho salaho vha tshi pagula nga vhukati, zwiṛiwe na muṛiwe u wana zwiṭṭiripi zwa 6½.

Dechi: \_\_\_\_\_



a. Vhana vha 10 vha re phathini vha kovhekana zwiṭṭiripi zwa swigiri zwa 25. Kovhekanani kwakwakwa! Olani tshifanyiso uri tshi ni thuse.



Muṛiwe na muṛiwe u wana zwiṭṭiripi zwa \_\_\_\_\_

b. Kovhelani vhana vha 4 zwiṭṭiripi zwa 37.

Muṛiwe na muṛiwe u wana zwiṭṭiripi zwa \_\_\_\_\_

c. Kovhelani vhana vha 5 zwiṭṭiripi zwa 48.

Muṛiwe na muṛiwe u wana zwiṭṭiripi zwa \_\_\_\_\_

d. Kovhelani vhana vha 10 zwiṭṭiripi zwa 73.

Muṛiwe na muṛiwe u wana zwiṭṭiripi zwa \_\_\_\_\_








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# Furakhisheni dza Thangeramu

Thangeramu ndi phaziji ya kale ya Tshishaina yo itwaho nga zwiwumbeco zwa 7 zwa mabophathi, zwine zwa vhidzwa upfi ndi dzit'henge, zwoŋhe zwi vhewa fheŋhu huthihi uri zwi vhumbe zwiwumbeco zwo fhambananaho.

## Furakhisheni kha thangeramu.

	Lavhelesani phaziji ya thangeramu. Irwe na irwe ya thiraengele mbili khulwane ita furakhisheni ifhio ya tshikwea tshoŋhe? (Dza pinki tshifanyisoni itshi.)	_____
	Ardali na nga peta nthihi ya thiraengele khulwane ya bva zwipida zwiwihili zwi no lingana, tshipida tshinwe na tshinwe tshi lingana na thiraengele ya saizi ya vhuakati (Ya ŋaga tshifanyisoni). Thiraengele ya vhuakati ndi furakhisheni ifhio ya tshikwea tshoŋhe?	_____
	Ardali na peta thiraengele ya vhuakati ya bva zwipida zwiwihili zwi no lingana, tshipida tshinwe na tshinwe tshi lingana na thiraengele mbili tshukhu. (Dza muvhala mudala tshifanyisoni). Thiraengele irwe na irwe tshukhu ndi furakhisheni ifhio ya tshikwea tshoŋhe?	_____
	Ni nga kwakwanyisa thiraengele mbili tshukhu uri ni vhumbe tshikwea tshituku. Tshikwea tshituku ndi furakhisheni ifhio ya tshikwea tshoŋhe (tshidala tshifanyisoni)?	_____
	Ni nga kwakwanyisa thiraengele mbili tshukhu uri ni vhumbe pharalelegireme. Pharalelegireme ndi furakhisheni ifhio ya tshikwea tshoŋhe?	_____

## U shumisa thangeramu.

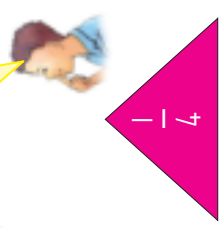
Gerani thangeramu kha Tshigeriwa 12 ni iwale furakhisheni ya tshikwea tshoŋhe ni lebuje tshipida tshinwe na tshinwe. (Hewi ndi zwipida zwa kale na kale/zwa u thomani zwa zwiwumbeco zwa Thangeramu). Niwalani dzina lanu nga murahu ha tshipida tshinwe na tshinwe, u itela uri ni kone u wana zwipida zwanu murahu musi no no fhedza u tamba.

## Mutambo wa furakhisheni wa mikovhe i no lingana.

Tambani na vhatambi vha 4-8 ni tshi shumisa zwipida zwanu zwa thangeramu

- Vhatambi vha sielisana kha u vha vharengisi.
- Murengisi ndi ene ane a ta uri muruwe na muruwe wa vhatambi u dzhenisa furakhisheni ifhio ya thangeramu yoŋhe kha tshikwama (khithi).
- Mutambo muruwe na muruwe u a humbulela uri khoini i do wa nga ŋoho naa kana nga mutshila, murengisi a kona u thosa khoini.
- Murengisi u kovha tshikwama nga ndila i no lingana kha avho vhe vha humbulela zwone. (Avho vhatthu vha nga tea u tshintshisa tshipida tshithihi kana zwinzhi nga tshinwe kana zwinwe zwi re na mutengo u no fana/muthihi.)
- Zwo salaho zwe zwa si kone u kovhiwa zwi sala tshikwamani u itela raundu i tevhelaho.
- Vhatambi vhoŋhe vha a ŋola uri u kovhekana hu khou itwa nga ndila yone naa.
- Ardali mutambi a nga vhona vhuakhaki, murengisi u a laŋisiwa nga u badeliswa ŋ ya tshikwea tshoŋhe a tshi badela mutambi we a vha ene wa u thoma u vhona vhuakhaki.
- Mutambo ane a si vhe na zwipida a nga ŋusa tshithihi kha zwo salaho tshikwamani.
- Mutambo u a ya phanŋa u swika mutambi muruwe na muruwe o vha murengisi.

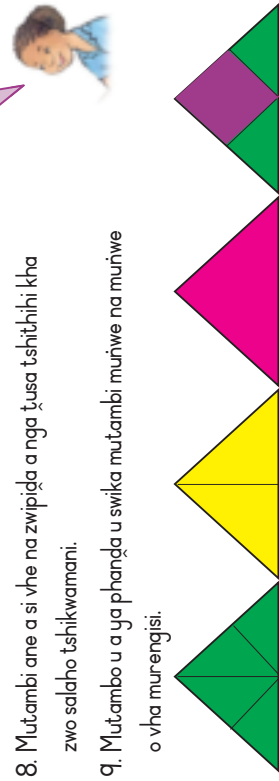
Muruwe na muruwe u Lea u dzhenisa kofa nthihi ya thangeramu ngomu tshikwamani.



Ndi go dzhenisa thiraengele nthihi khulwane.



Zwiwihili zwamalo zwi lingana na tshithihi tshaino. Ndi nga kona u dzhenisa tshikwea na pharalelegireme.



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# Uela khaphasithi (ngalo)

Debe: .....



Shumisani tshifaredzi tsha bodelo la pulasitiki na khaphu.



khaphu nthlhi (250 ml)



tshifaredzi tsha litha ya 1

Ni vhora u nga tshifaredzi tshi tshi nga dala nga khaphu nngana?

A no ngo tea u bula dzilitsha kana mlilitsha. Shumisani fheadzi maipfi a no ni khaphu na bogelo.

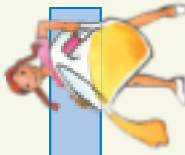


## Itani litha.

Wanani ndila ya u ita litha ni tshi shumisa zwiludi zwa mielo yo fhambananaho.

Nwalani fhungombalo la ndla inwe na inwe.

Fhungombalo:  $500 \text{ ml} + 500 \text{ ml} = 1000 \text{ ml (1 l)}$



Fhungombalo \_\_\_\_\_ = 1000 ml (1 l)

Fhungombalo \_\_\_\_\_ = 1000 ml (1 l)

Fhungombalo \_\_\_\_\_ = 1000 ml (1 l)

Fhungombalo \_\_\_\_\_ = 1000 ml (1 l)

Musi ri tshi n'wala tswayo dza methiniki, ri sia tshikhala tshiluku vhukati ha diazhitshi ya u fheadzisa na luswayo. Sa tsumbo ri n'wala 3 l hu si 3l; 299 g hu si 299g; 15 km hu si 15km.

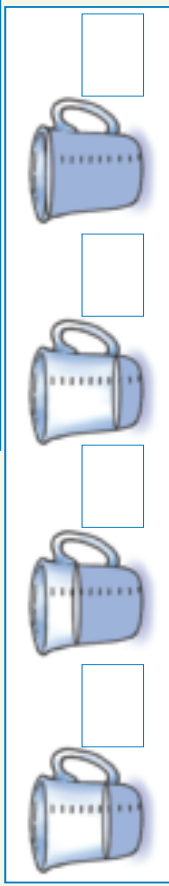


Khaphasithi ya khaphu ndi O ngeno volumu ya khaphu ye ya gadziwa i l.

Volumu (vhungomu) ha khaphu inwe na inwe ye ya dadziwa ndi ifhio?



Lebula iyi yo dadza khaphu u swika kha mutalo wa u thoma.



Ri ela muelo wa zwiludi zwiṭuku nga dzimilitsha (ml).

Khaphu ya muelo wa mishonga i ita 10 ml, i no lingana na zwilebula zwiṭuku zwiṭhili.

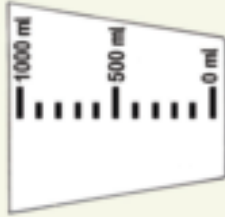
Ri ela mielo minzhi ya zwiludi nga dzilitsha (l).

Hu na mlilit ha dza zwiṭisi kha litha nthlhi.



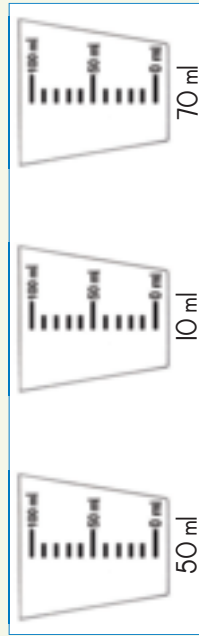
Hu na zwiludi zwiṅafhani?

Hu na ml nngana dza zwiludi dzhegeni inwe na inwe?



Hu na zwiludi zwiṅafhani?

Swifhadzani khaphu dza mishonga ni tshi sumbedza tshihalo tshi re kha inwe na inwe.



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**Pimani ni shele**

**Mutamboni.**

Nga tshifhinga tsha u awela mutambi muñwe na muñwe u nwa  $\frac{1}{4}$  ya litsha ya dzhusi.

- a. Ndi vha tamba vhangana vhane vha nga kovhekana?  
Litsha ya 1 \_\_\_\_\_ Litsha ya 4 \_\_\_\_\_ Litsha ya 2  $\frac{1}{2}$  \_\_\_\_\_  
Vhatambi vha 8 \_\_\_\_\_ Vhatambi vha 9 \_\_\_\_\_ Vhatambi vha 12 \_\_\_\_\_

**Litsha na mijitsha (ml)**

Litsha ya 1 = 1000 ml  $\frac{1}{2}$  ya litsha = \_\_\_\_\_ ml  $\frac{1}{4}$  ya litsha = \_\_\_\_\_ ml  
125 ml = \_\_\_\_\_ ya litsha 50 ml = \_\_\_\_\_ ya litsha

**Itani hafu ya litsha.**

Itani thiki (✓) kha zwi vhalo zwa 3 zwine zwa ita hafu ya litsha.

120 ml	140 ml	160 ml	28 ml	240 ml

**Mafhi a ni fha mutakalo!**

Kovhelani litsha dza 4:

- a. Vhana vha 8 Nwana muñwe na muñwe u wana litsha dza \_\_\_\_\_
- b. Vhana vha 16 Nwana muñwe na muñwe u wana litsha dza \_\_\_\_\_
- c. Vhana vha 12 Nwana muñwe na muñwe u wana litsha dza \_\_\_\_\_



Delehi: \_\_\_\_\_

**Bara ya Dzhusi ya Vhonani.**

Uri a dādzde dzhege ya 1. Bongji u shumisa kota nthihi ( $\frac{1}{4}$ ) ya dzhusi na khaphu dza 2 dza maḡi. Shumani ni wane uri ndi dzhusi na maḡi zwingafhani zwine Vhonani a shumisa kha dzhege dza 5 dza dzhusi.

Dzhege	1	2	3	4	5
Khaphu dza dzhusi	Kota nthihi ( $\frac{1}{4}$ )				
Khaphu dza maḡi	2				

**Itani litsha.**



Ndi zwingana zwa tshifaredzi tshinwe na tshinwe zwine na zwi ṭoda kha u ita litsha?

- a. \_\_\_\_\_ × 100 ml b. \_\_\_\_\_ × 200 ml c. \_\_\_\_\_ × 250 ml
- e. \_\_\_\_\_ × 500 ml f. \_\_\_\_\_ × 50 ml

**Phathi yo no fhela.**

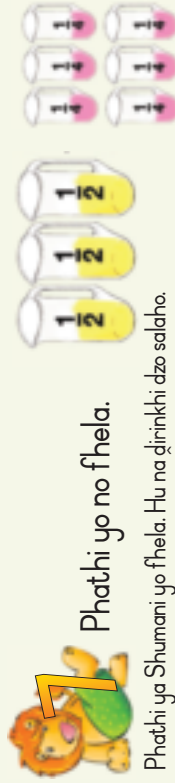
Phathi ya Shumani yo fhela. Hu na dirinkhi dzo salaha.

Ho sala dzhusi nngafhani ya ṭoda?

Ho sala dzhusi nngafhani ya phephulu?

Thandi u ṭanganjisa idzi dzhusi mbili.

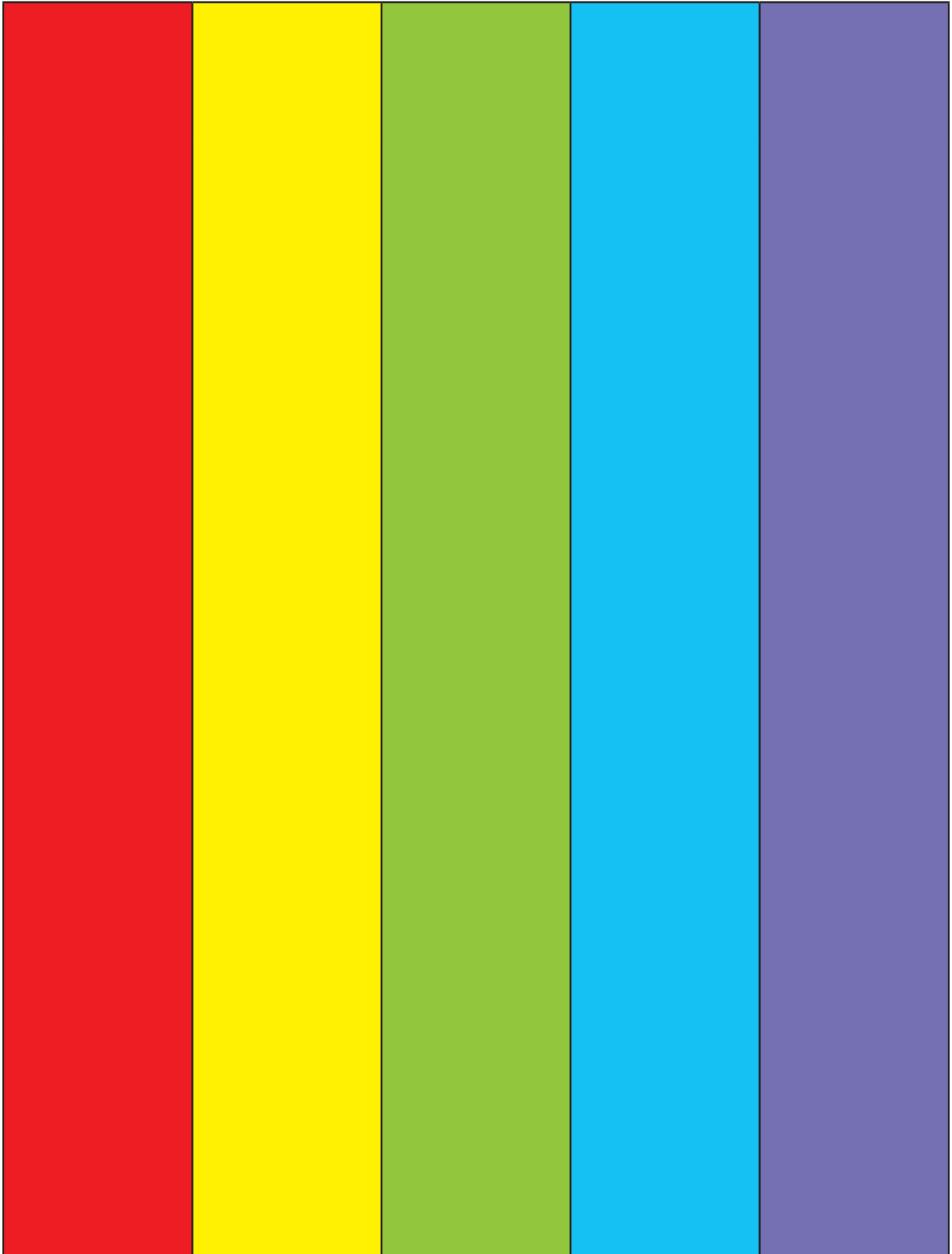
A nga dādzde dzhege nngana? \_\_\_\_\_



Sedzulusani!  
Vhambealani!  
Lulamisoni!

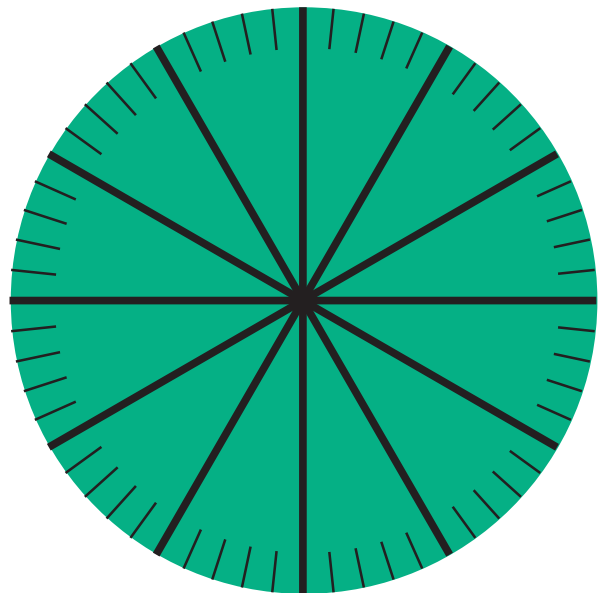
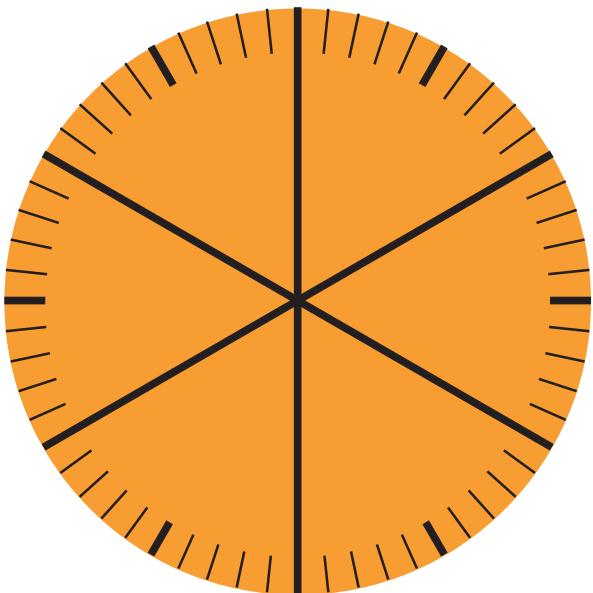
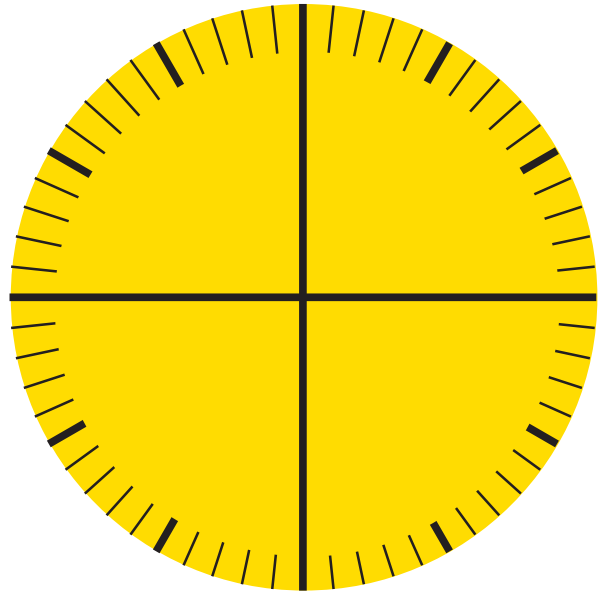
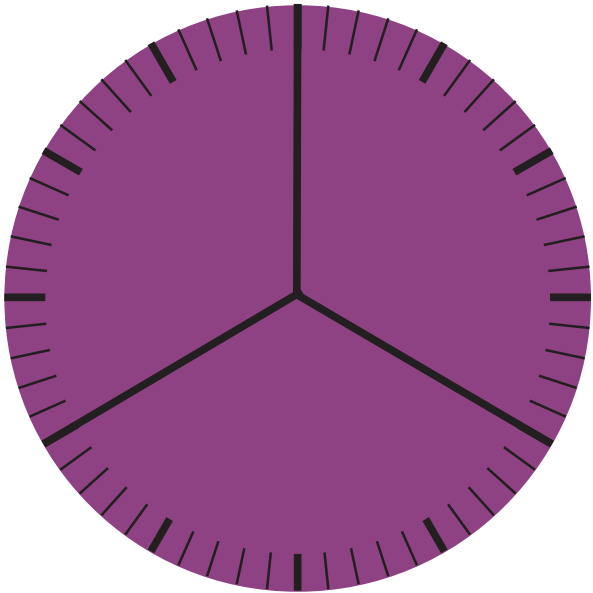
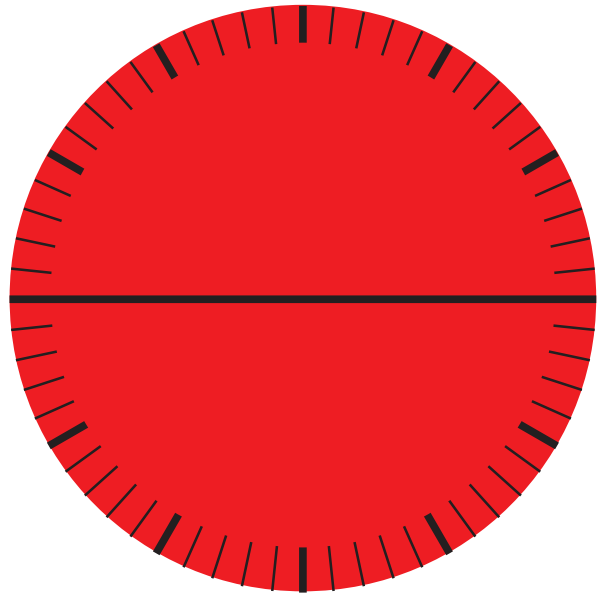
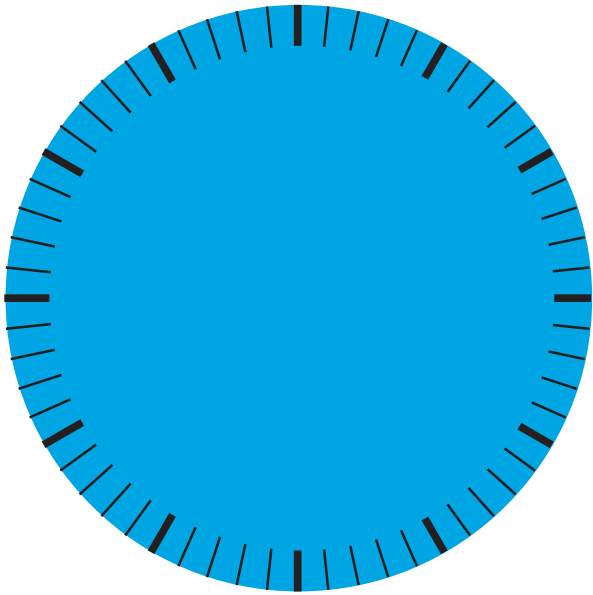
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# Tshigeriwa 5



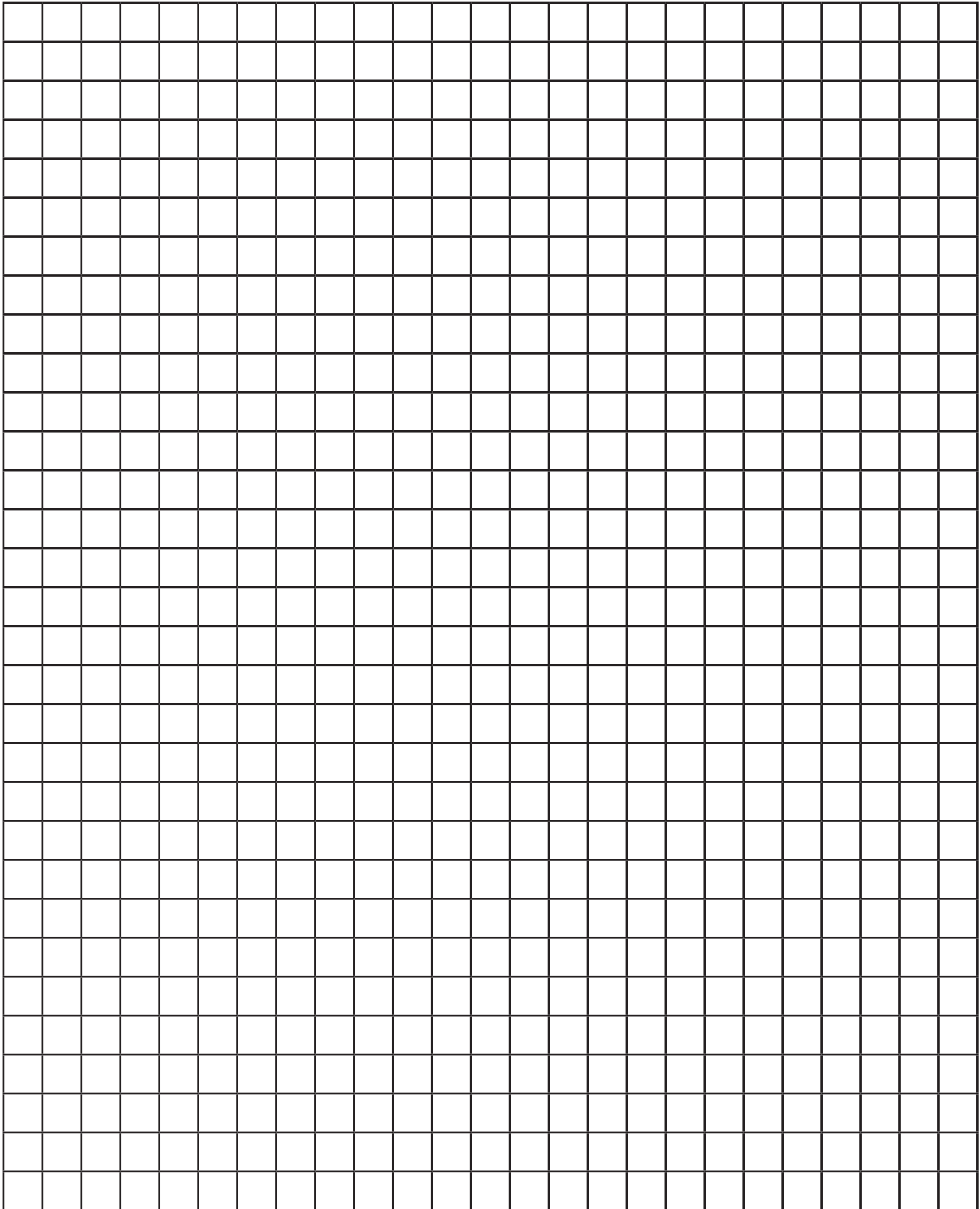


# Tshigeriwa 6





# Tshigeriwa 7





# Tshigeriwa 8

<b>I<sub>c</sub></b>	
<b>IO<sub>c</sub></b>	
<b>RI<sub>s</sub></b>	
<b>RIO<sub>s</sub></b>	
<b>RIOO<sub>s</sub></b>	



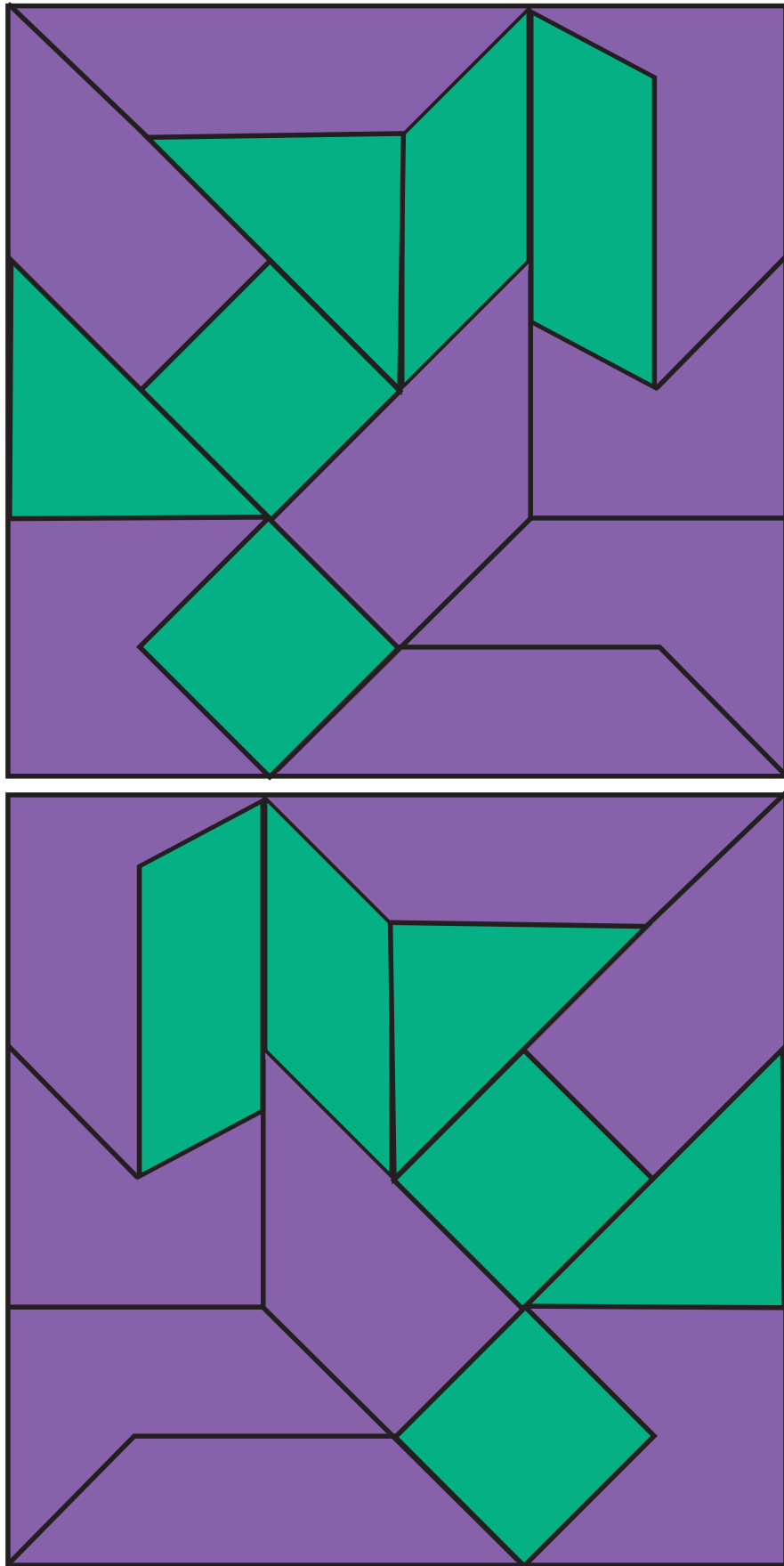
# Tshigeriwa 9

RIOO	RIOO	RIOO	RIOO
RIOO	RIOO	RIOO	RIOO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO

RI	RI	RI	RI	RI	RI	RI	RI
RI	RI	RI	RI	RI	RI	RI	RI
IOc	IOc	IOc	IOc	IOc	IOc	IOc	IOc
IOc	IOc	IOc	IOc	IOc	IOc	IOc	IOc
lc	lc	lc	lc	lc	lc	lc	lc
lc	lc	lc	lc	lc	lc	lc	lc

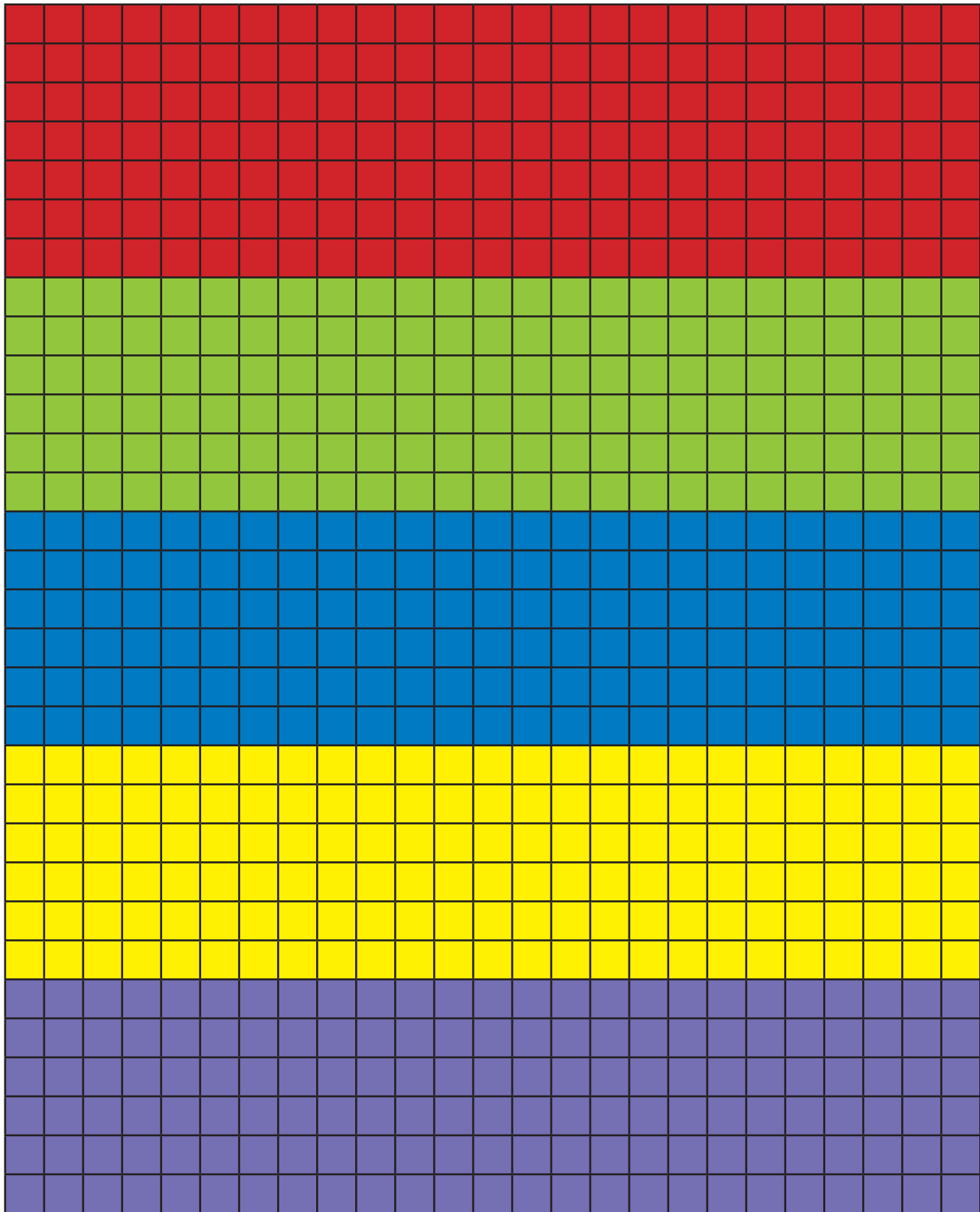


# Tshigeriwa IO





# Cut-out II





# Cut-out 12

