

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

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

Ndi milayo ine ya laya vathu vha ḽino shango uri vha tea u farana nga nḽilaḽe. Mulayotewa wa shango wo itelwa u tsiredza roṭhe ri no khou tshila zwino na vhana vhashu vhane vha kha ḽi ḽo ḽa.

Talukanyani hune ra bva hone.

Ri songo dovha vhukhaki ha mulovha.

Mulayotewa washu u ri thusa uri ri elekanye nga vhumatshelo ha khwiṇe ha roṭhe khatihi na u vhu fhaṭa.

Riṇe, vathu vha Afrika Tshipembe;

Ri dzhiela nthā u shaea ha vhulamukanyi kha tshifhinga tsho fhelaho;

Ri ṭhonifha havho vhe vha tambulela vhulamukanyi na mbofholowo kha shango ḽashu;

Ri ṭhonifha havho vhe vha shuma vha tshi itela u fhaṭa na u bveledzisa shango ḽashu; na

U tenda uri Afrika Tshipembe ndi ḽa vhoṭhe vhane vha dzula khaḽo, vho vhoṭhekanywaho vha vha huthihi naho vha sa fani.

Zwenezwo, nga kha vhaimeleli vho khethiwaho zwavhuḽi, ri khou ṭanganedza ino Ndayotewa sa wone Mulayo Muhulusa wa Riphabuḽiki uri u—

Fhelise khethululo ya tshifhinga tsho fhelaho na u thoma tshitshavha tshine tsho ḽisendeka kha ndeme dza demokirasi, vhulamukanyi ha matshilisano na pfanelo dza vuthu;

Fhaṭe mitheo kha demokirasi na tshitshavha tshi re khagala hune muvhuso wo ḽisendeka kha lufuno lwa vathu nahone vhadzulapo

vho tsiredzwa nga mulayo nga nḽila I ḽinganaho;

Khwinisa ndeme ya Vhutshilo ha vhadzulapo vhoṭhe na u vhoṭholola vhukoni ha muthu muṇwe na muṇwe; na

Fhaṭa mbumbano na demokirasi zwa Afrika Tshipembe uri ḽi kone u vha fhethu ho teaho sa muvhuso wo ḽiimisaho kha muṭa wa tshaka.

Shumisani pfanelo dzaṇu sa mudzulapo wa Afrika Tshipembe ni dovhe ni vhe na vhuḽifhinduleli ha u tsiredza pfanelo dza vhaṇwe.

Divhani Mulayotibe Wa Pfanelo na Mulayotibe Wa Vhuḽifhinduleli.

Mudzimu tsiredza vathu vhashu.

Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.

God seën Suid-Afrika. God bless South Africa.

Hosi katekisa Afrika.

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MATHEMATICS IN TSHIVENDA
GRADE 3 – BOOK 1

TERMS 1 & 2

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DIVHAMBALO NGA TSHIVENDA

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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 dzo iwalelwa vhana vha Afrika Tshipembe, mushumo wa hone wo rangiwa phanga nga Minista wa Pfunzo ya Muteo, Vho Angie Motshekga na Muthusaminista wa Pfunzo ya Muteo, Vho Dr Reginah Mhaule.

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

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

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

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

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

Gireidi
ya

3



NGA TSHIVENḌA

Heyi bugu ndi ya:



TSHIVENḌA

Bugu ya



U vhalala, u vhekanya na u sumbedza!



Hu na naledzi nngana?

Vhambadzani phindulo



Anganyelani uri hu na naledzi nngana. _____

Zwino dzi vhaleni. _____



Wanani muwini!

Ndi nnyi o anganyelaho u fhira vhothe?

Dzhenisani madzina aṅu na phindulo kha thebulu iyi.

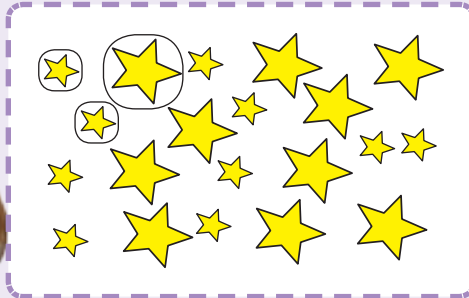
Dzina				
Anganyelani				
Nomboro dzo vhalwaho				
Phambano vhukati ha zwe na anganyela na zwe na vhalala				



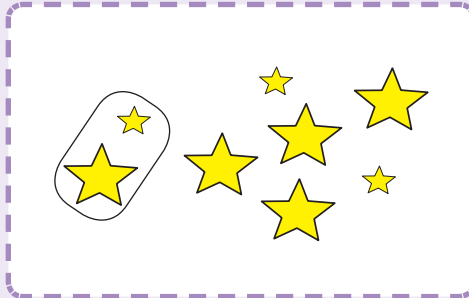
Ndila dza u vhala. Ri thuseni u i n'wala



Ndo vhalela nga thihi.



1, 2, 3, _____

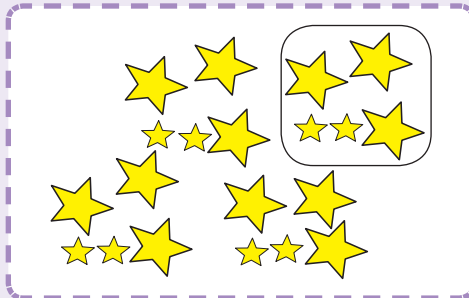


2, _____

Ndo vhala nga 2.



Ndo vhalela nga thanu



5, _____





Ndo vhalela nga mahumi



N'walani mafhungombalo

N'walani mafhungo mavhili ni tshi nea t'hanganyelo ya n'aledzi. A n'waleni nga ndila mbili.

Khulwane T'hukhu Ngaurali

kana

ngaurali



nahone sa f'hungombalo.

_____ + _____ = _____

kana

_____ + _____ = _____



Musi ni tshi t'anganya nomboro dzin'we na dzin'we mbili a zwi na mushumo uri mutevhe wadzo ndi uf'hio.



11 12 13 14 15 16 17 18 19 20

2

Deithi:

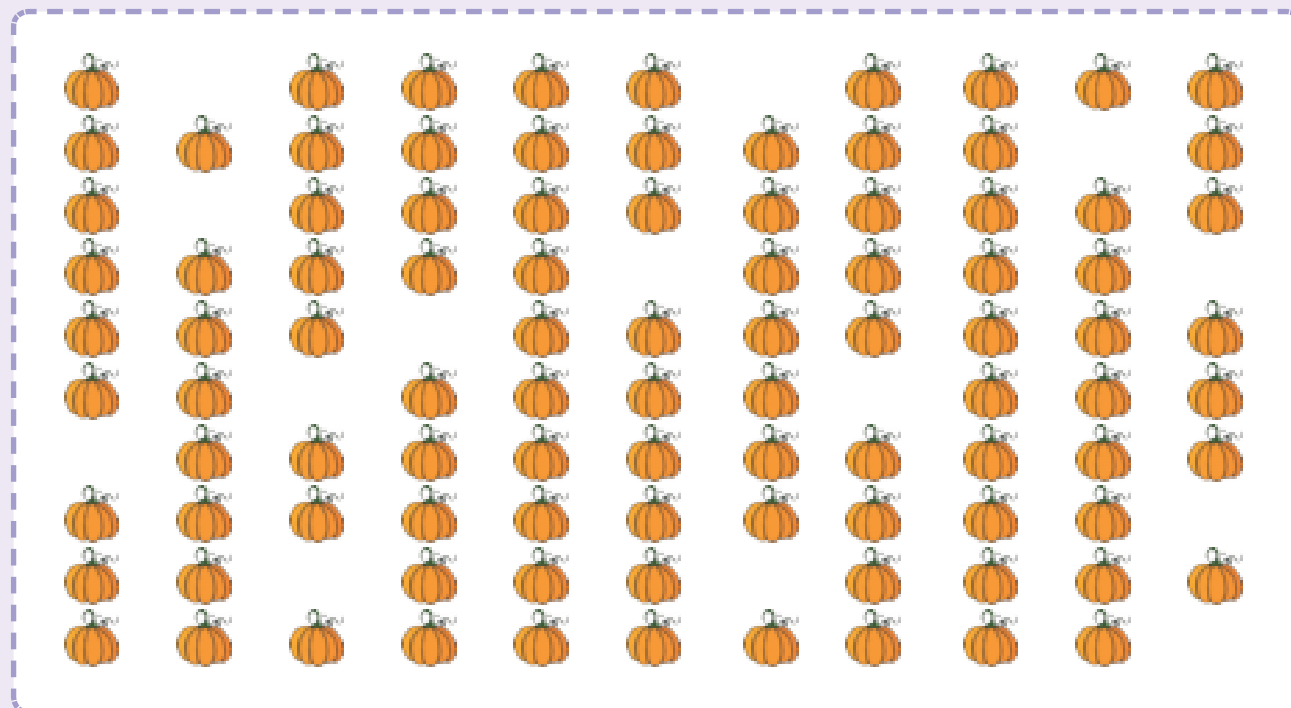
Themo ya I



U vhala nga vhuṭali

U vhala mafhuri

U wana ṅdila i leluwaho ya u a vhala.



Phindulo: _____



U paka mafhuri

Mafhuri a fumi a dzhena sagani ṽlithihi.



Ni nga ḍadza masaga mangana nga mafhuri? _____

O fhira nga mafhuri mangana? _____

Hu ṭodea maṽwe mafhuri mangana a u ḍadza saga ṽlinwe hafhu? _____



U bva kha + u ya kha × (mutanganyo u ya kha muandiso)

Fhedzisani mitalombalo.

Tsumbo:

$$10 + 10 + 10 + 10 = 40 \Rightarrow 4 \text{ vhuzhi ha } 10 = 40 \Rightarrow 4 \times 10 = 40$$



a. $10 + 10 + 10 =$ _____

zwigwada zwa _____ zwa 10 $\Rightarrow$ _____ $\times$ _____ = _____



b. $10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 =$ _____

zwigwada zwa _____ zwa 10 $\Rightarrow$ _____ $\times$ _____ = _____



Zwanda na minwe



Hu na zwanda zwingana? _____

Hu na minwe mingana? _____

Nwalani phindulo yanu nga ndila dza 2.

Zwigwada zwa _____ zwa 10 _____ = _____ na _____ $\times$ 10 = _____



Teacher: _____
Sign: _____
Date: _____

3a

Deithi:

Nomboro dzi re kha bodo ya maḡana



U amba nga nomboro

Vhalani na u bula nomboro dzotḡhe u bva kha 1 – 100. Sumbani ni tshi khou ralo u bula.

1	2	3	4	5	6		8	9	10
11									
						27			
			34						40
41									
				55					
		63							
71									
					86				
			94						100



- Nwalani nomboro l no khou ṭahela kha tshibuloko tshiṛiwe na tshiṛiwe muvhala wa lutombo.
- Nwalani idzo dziṛiwe nomboro.
- Nomboro dza ṭaḡa ndi nomboroḡe?



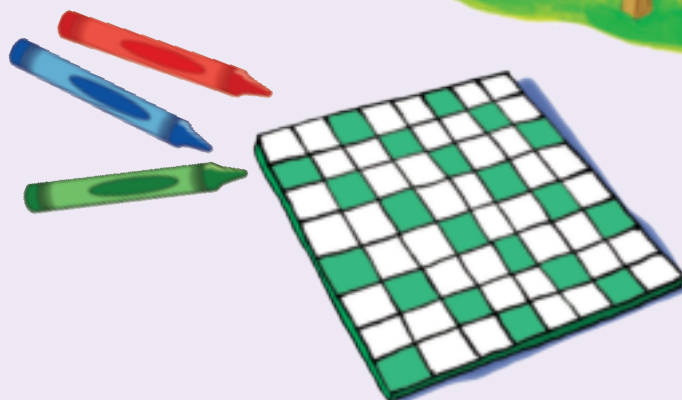
Nwalani nomboro nga maipfi.

90	futahe	41	
77		56	
14		65	



U vhalana u khalara

Dilugiseleni u vhalana u khalara!



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

Vhalani ni
thivhe 10.

Vhalani nga 10 u bva kha
10 u swika kha 100.

Nwalani nga dzi 10 u swika
kha 100.

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

Vhalani ni thivhe 5 u bva
kha 0 – 100.

Vhalani nga 5 u bva kha 5
u swika kha 100.

Nwalani nga dzi 5 u swika
kha 80.

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

Vhalani ni
thivhe 2.

Vhalani nga 2 u bva kha 2
u swika kha 100.

Nwalani nga dzi 2 u swika
kha 50.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

3b

Deithi:

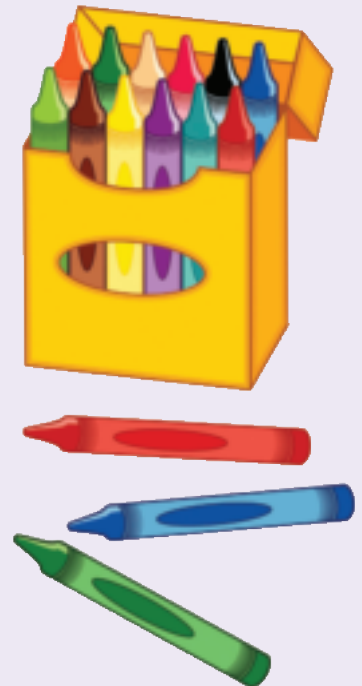
Nomboro dzi re kha bodo ya maḡana (dzi iswa phanda)

Themo ya I



U ṭala phetheni

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



Itani thiki kha 10 dzoṭhe.

Itani thiki kha 5 dzoṭhe.

Itani thiki kha 2 dzoṭhe.

Ñwalani nomboro dza 20 dza u thoma dzine dza vha kha phetheni ya 2 na ya 5
vhuvhili hadzo.



U vhalaphetheni

Dzhenisani nomboro dzo tshelaho.

0; 10; 20; ____; ____; 50; ____; ____; 80; ____; 100; ____;
____; 130; ____; ____; 160; ____; ____; ____; 200

0; 5; 10; ____; ____; 25; ____; ____; 40; ____; 50; 55; ____;
____; 70; ____; ____; 85; ____; ____; 100

0; 2; 4; 6; ____; ____; 12; ____; ____; 18; ____; 22; 24; ____;
____; 30; ____; ____; 36; 38; ____; ____; ____; 46; ____;

0; ____; 8; ____; 16; 20; ____; 28; ____; 36; ____; ____;
____; 52; ____; ____; 64; ____; 72; ____; 80

0; ____; 10; ____; 20; ____; 30; ____; 40; ____; ____; 55;
60; ____; 70; 75; ____; 85; ____; ____; 100

0; 3; ____; 9; ____; 15; 18; ____; 24; ____; ____; 33; ____; 39;
____; 45; ____; ____; 54; 57; ____; 63; ____; ____; 72; 75



Teacher: _____

Sign: _____

Date: _____

11 12 13 14 15 16 17 18 19 20

Deithi:

4

Vhuimo ha nomboro

Themo ya I



U sumbedza nomboro dzaṅu

Gerani magaraṭa a nomboro a tshi bva kha bammbiri la zwigeriwa la I.
Shumisani magaraṭa kha u fhaṭa nomboro idzi.



19

43

69

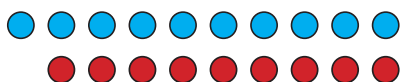
54

35

10

9

19

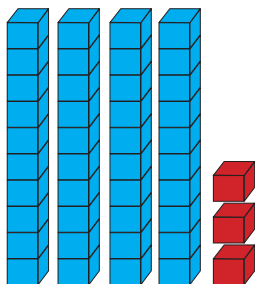


10

9

$$10 + 9 = 19$$

43



10

10

10

10

3

$$40 + 3 = 43$$

Zwino fhaṭani nomboro idzi nga inwi mune ni tshi shumisa Zwigeriwa I.

54

35

69



U n̄wala nomboro idzi

Ro dzula ro ni itela ya u thoma

Ri nga kha di ri
nthihi dza 9

19	$10 + 9$	1 fumi + 9 yuniti	
43			
69			
54			
35			
21			
73			
44			
32			
89			
17			
95			
56			
68			
67			



N̄walani nomboro t̄hanu dza u thoma, kha thebulu i re af'ho n̄t̄ha, dzi tshi tou tevhekana u bva kha t̄hukhusa u ya kha khulwanesa.

_____;

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Mutanganyo na mutuso



Tshitolo tsha Takalani

Nga matsheloni Takalani u na phakhethe dza maapula dza 19.

Nga tshifhinga tsha tshiswiulo o sala na phakhethe dza 13.

a. Ndi phakhethe nngana dze Takalani a rengisa? _____

b. Nwalani phindulo yanu sa fhungombalo.

_____ - _____ = _____



Nwalani maiwe mafhungombalo matanu ni tshi sumbedza phindulo i fanaho.

$15 - 9 = 6$ _____



Ndovhololo ya nomboro

Nwalani phindulo.

$$1 + 2 = 3$$

Shumisani ...

+ - =

$10 + 5 =$	$11 + 6 =$	$14 - 9 =$	$14 - 8 =$
$11 + 5 =$	$17 + 2 =$	$19 - 7 =$	$14 - 5 =$
$12 + 6 =$	$3 + 13 =$	$16 - 5 =$	$16 - 13 =$
$17 + 2 =$	$4 + 15 =$	$15 - 10 =$	$19 - 7 =$



Miṭa ya nomboro

5

9

14

Tsumbo dza uno mutṣa wa nomboro khedzi

$9 + 5 = \underline{14}$	$5 + 9 = \underline{14}$
$\underline{14} - 9 = 5$	$\underline{14} - 5 = 9$



Ni nga kona u wana miṭa yoṭhe ya nomboro 14?

$1 + 13 = 14$	$13 + 1 = 14$	$14 - 1 = 13$	$14 - 13 = 1$
$2 + 12 =$			
$3 + 11 =$			
$4 + 10 =$			
$5 + 9 =$			
$6 + 8 =$			
$7 + 7 =$			



Ndi khou ya u ita zwi no fana na zwenezwi nga 12.

12

$1 + 11 = 12$			
$2 + 10 = 12$			
$3 + 9 = 12$			
$4 + 8 = 12$			
$5 + 7 = 12$			
$6 + 6 = 12$			



11 12 13 14 15 16 17 18 19 20

6

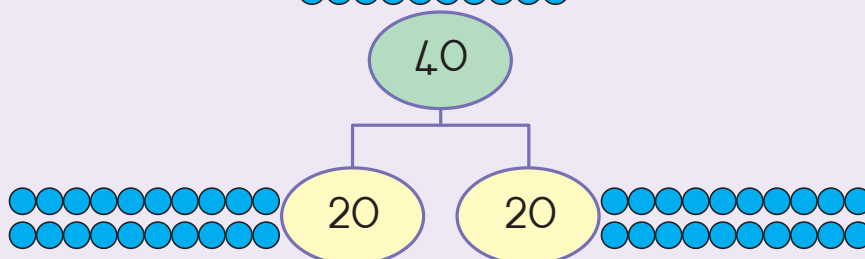
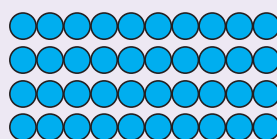
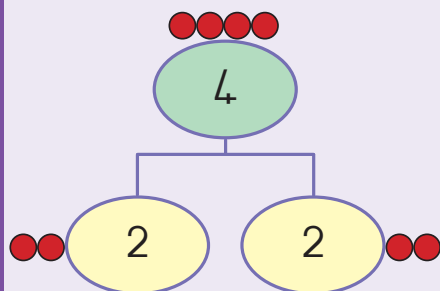
Deithi:

Nyingakavhili (Davhulu) na dzihafu

Ni kha di elelwa naa?

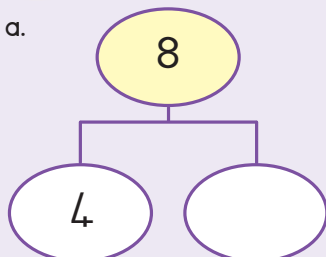
Nyingakavhili ya 2 ndi 4 Nyingakavhili ya 20 ndi 40 4 ndi 2 kavhili 40 ndi 20 kavhili

Ri nga sumbedza izwi nga nyolo ...

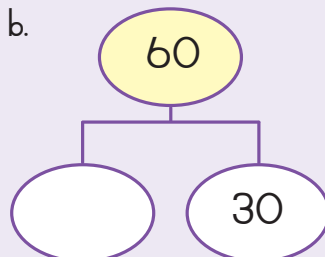


Wanani davhulu kana dzihafu

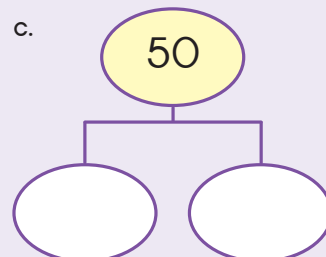
a.



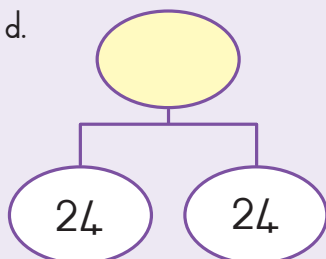
b.



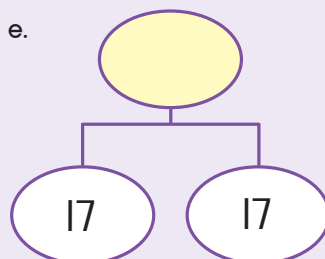
c.



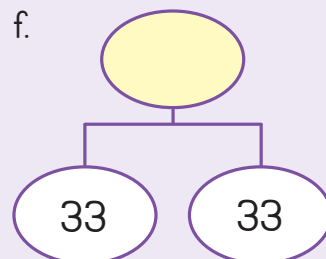
d.



e.



f.



Khaedu

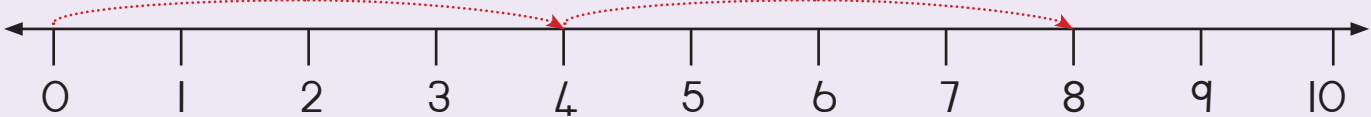
Wanani hafu nthihi ya 3.

I sumbedzeni sa nomboro kana dzinambalo. Nyolo i nga ni thusa.

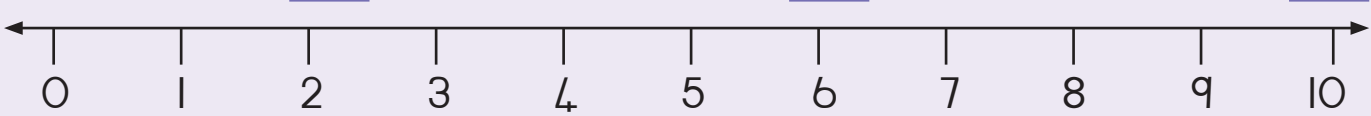


Ingani kavhili (davhulani) nomboro ni tshi shumisa mutalombalo. No newa tsumbo ya u thoma.

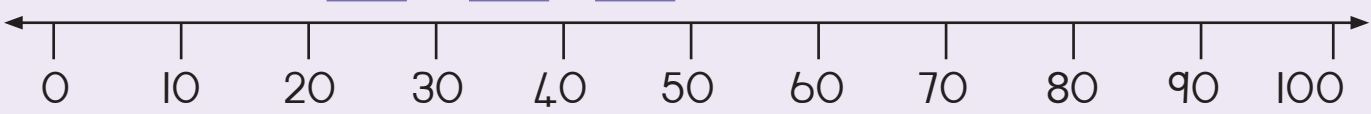
a. Ingani kavhili 4 + =



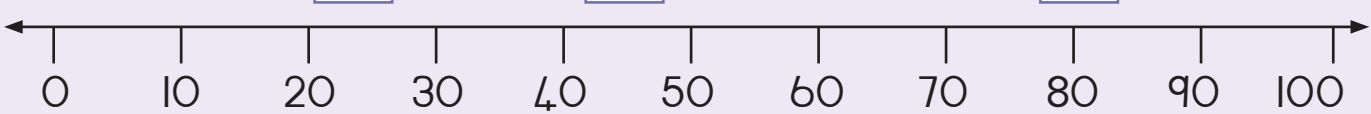
b. Ingani kavhili 5 + =



c. Ingani kavhili 20 + =



d. Ingani kavhili 40 + =



Fhedzisani zwi tevhelaho

a. Ingani kavhili 1	2
b. Ingani kavhili 6	
c. Ingani kavhili 10	
d. Ingani kavhili 30	
e. Ingani kavhili 50	



Fhedzisani zwi tevhelaho

a. Hafulani 6	3
b. Hafulani 8	
c. Hafulani 14	
d. Hafulani 60	
e. Hafulani 70	



Teacher: _____
Sign: _____
Date: _____

Furakhisheni (zwipida)

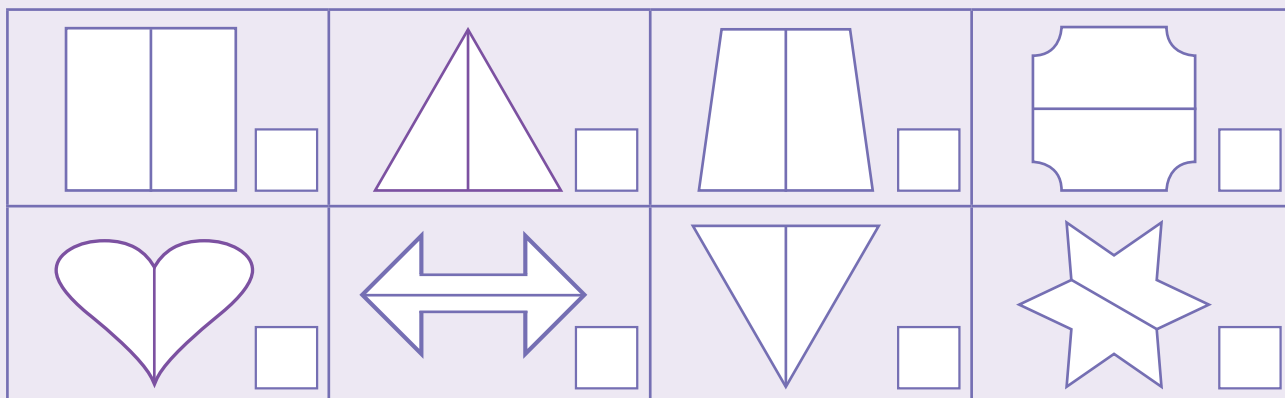
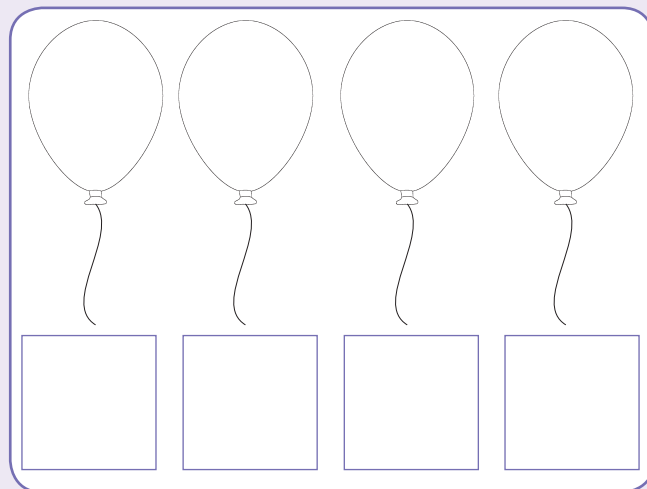
Khalarani kota nthihi ya mabaloni nga muvhala mutswuku ayo mariwe nga wa lutombo.

Khalarani hafu nthihi ya tshibogisi tshinwe na tshinwe nga muvhala mutswuku.

Lavhelesani tshifanyiso. Nwalani thiki kha zwivhumbeo zwi no sumbedza dzihafu.

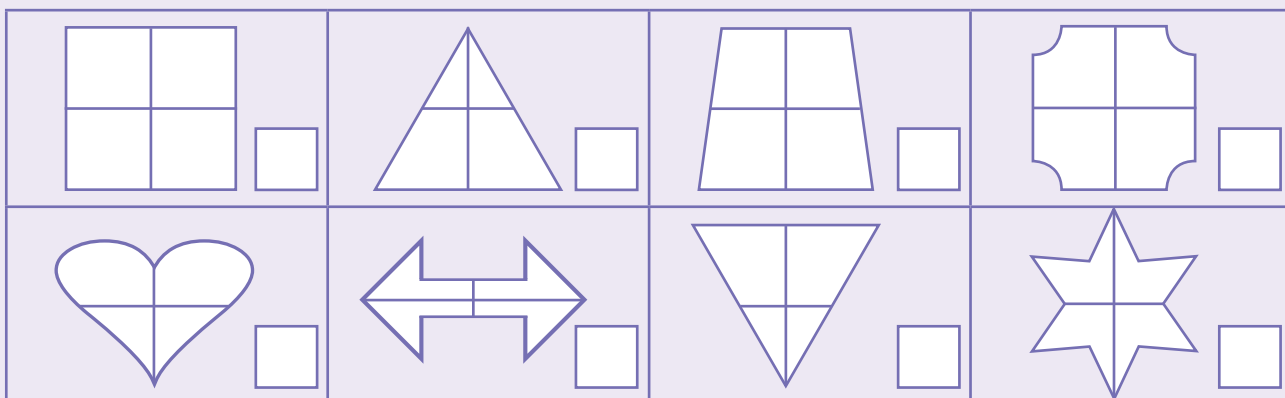


Khalarani hafu nthihi ya tshivhumbeo tshinwe na tshinwe tshe tsha fhandulwa tsha bva dzihafu.



Lavhelesani zwivhumbeo. Nwalani thiki kha zwivhumbeo zwi no sumbedza dzikota.

Khalarani kota nthihi ya tshivhumbeo tshinwe na tshinwe tshe tsha fhandulwa tsha bva dzikota.

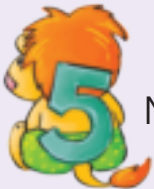




Khalarani hafu ya zivhumbeo. Hafu ya tshivhalo tsha zivhumbeo ndi ifhio?



Khalarani kota ya zivhumbeo. Kota ya tshivhalo tsha zivhumbeo ndi ifhio?



Nwalani sa luswayo (tshiga) lwa furakhisheni.

hafu nthihi kota nthihi



Olani zivhumbeo zwiñwe hafu u itela uri hafu inwe i lingane na inwe.



Olani zivhumbeo zwiñwe hafu u itela uri kota inwe i lingane na inwe.



Teacher: _____
Sign: _____
Date: _____

U vhekanya tshelede



Tshitokofelani

Mufumakadzi Vho Singo vha vhala na u vhekanya tshelede i bvaho kha tshigwada.



Anganyelani tshelede yothe. R _____

Vhalani tshelede. R _____

Vhambadzani zwe
zwa anganyelwa na
thanganyelo.



U vhulunga tshelede

Gugu u vhulunga tshelede ya renga phere ya zwienda i no dura R89.

U swika zwino u na hafu ya tshelede iyo.

U toda vhugai nga ntha?

Nwalani fhungombalo la u sumbedza phindulo yanu.





Banngani

Maria u vhekanya tshelede ya bammbiri nga zwithopho zwa 5.

O sala na inwe tshelede ya bammbiri.

Nwalani thanganyelo ya tshifanyiso tshirwe na tshirwe.



Thanganyelo

	R _____
	R _____
	R _____



Khaedu

U dala zuu

Vhaaluwa na vhana vharwe vha ya zuu.

Vha renga thikhithi dza R90.

Vhana ndi vhangana? _____

Vhaaluwa ndi vhangana? _____

Hu na inwe phindulo naa?

Vhaaluwa _____ Vhana _____



Teacher: _____
Sign: _____
Date: _____

q

Deithi:

Phetheni

Themo ya I



Shumisani bodo iyi ya nomboro ya 200 kha u fhindula mbudzo

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



Shumisani bodo iyi ya nomboro ya 200 kha u fhedzisa nomboro nna dzi no tevhela kha phetheni idzi dza nomboro. Kha larani phetheni idzi kha bodo ya nomboro.

105, 110, 115, _____	87, 90, 93, _____
36, 40, 44, _____	184, 186, 188, _____
70, 65, 60, _____	138, 135, 132, _____
180, 176, 172, _____	14, 12, 10 _____



Ndi zwifhio zwine na kona u vhona malugana na nomboro dzi re na muvhala muthihi?

U vhalela nga t̃hanu.

			5				10

U vhalela nga mbili.

2	4						

U vhalela nga t̃haru.

	3		6				

U vhalela nga mahumi.

							10



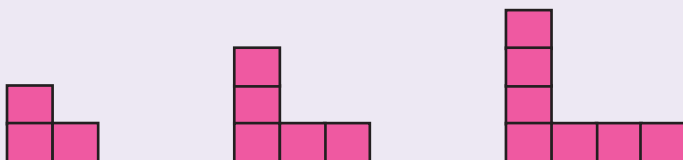
T̃haramudzani phetheni



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--



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Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



10

Deithi:

Bola, zwibogosi na silinda

Themo ya I



Tangedzelani zwibogosi nga muvhala wa lutombo, bola nga mutswuku silinda nga mudala.



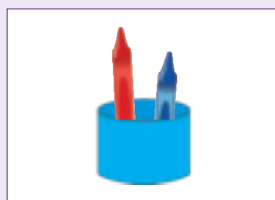
Khalarani phindulo i re yone.



Bogisi li a

swenda

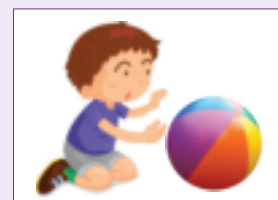
kunguluwa



Silinda li a

swenda

kunguluwa



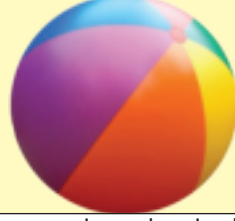
Bola li a

swenda

kunguluwa



Khalarani phindulo i re yone.

			
lumeme lwa tshipulumbu (khulungwa)	lumeme lwa tshipulumbu (khulungwa)	lumeme lwa tshipulumbu (khulungwa)	lumeme lwa tshipulumbu (khulungwa)
lumemetswiti	lumemetswiti	lumemetswiti	lumemetswiti
			
lumeme lwa tshipulumbu (khulungwa)	lumeme lwa tshipulumbu (khulungwa)	lumeme lwa tshipulumbu (khulungwa)	lumeme lwa tshipulumbu (khulungwa)
lumemetswiti	lumemetswiti	lumemetswiti	lumemetswiti



Bulani uri bola i murahu ha, phanda ha, tsini na kana ntha ha bogisi.

	murahu ha	phanda ha
	tsini na	nta ha
	murahu ha	phanda ha
	tsini na	nta ha
	murahu ha	phanda ha
	tsini na	nta ha
	murahu ha	phanda ha
	tsini na	nta ha



Teacher: _____
Sign: _____
Date: _____

Deithi:

Themo ya I



U ola zwivhumbeo

Thiraiengele

Tshikwea

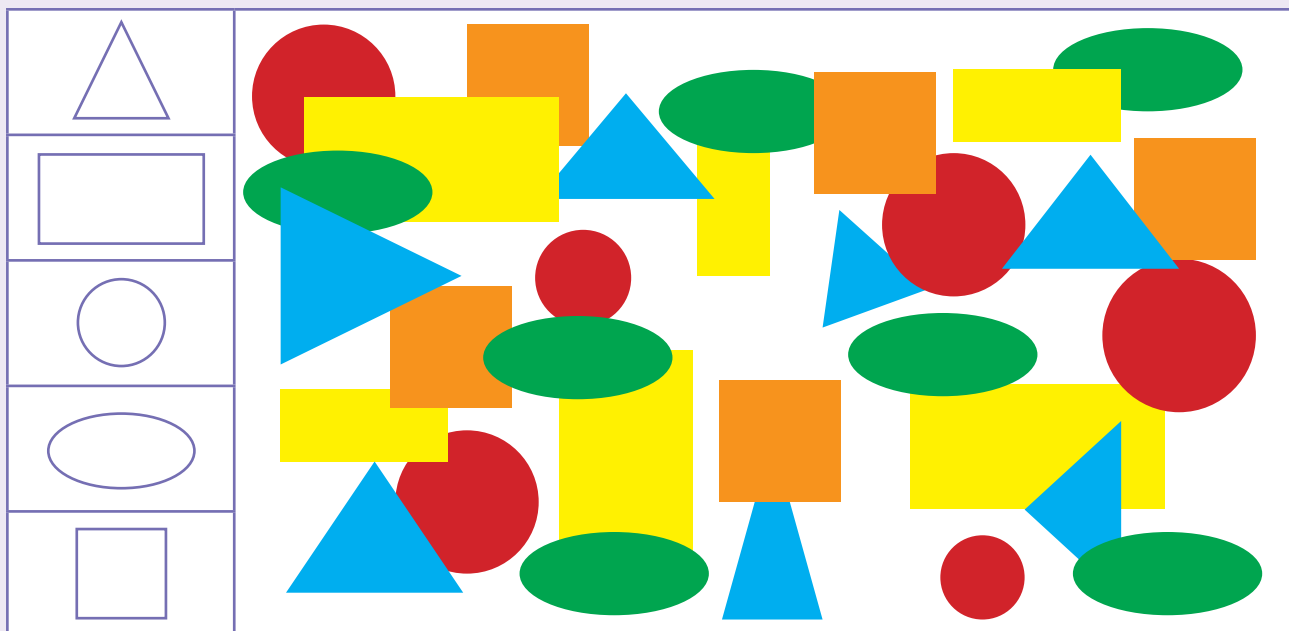
Tshitendeledzi

Rekithiengele



U vhala zwivhumbeo

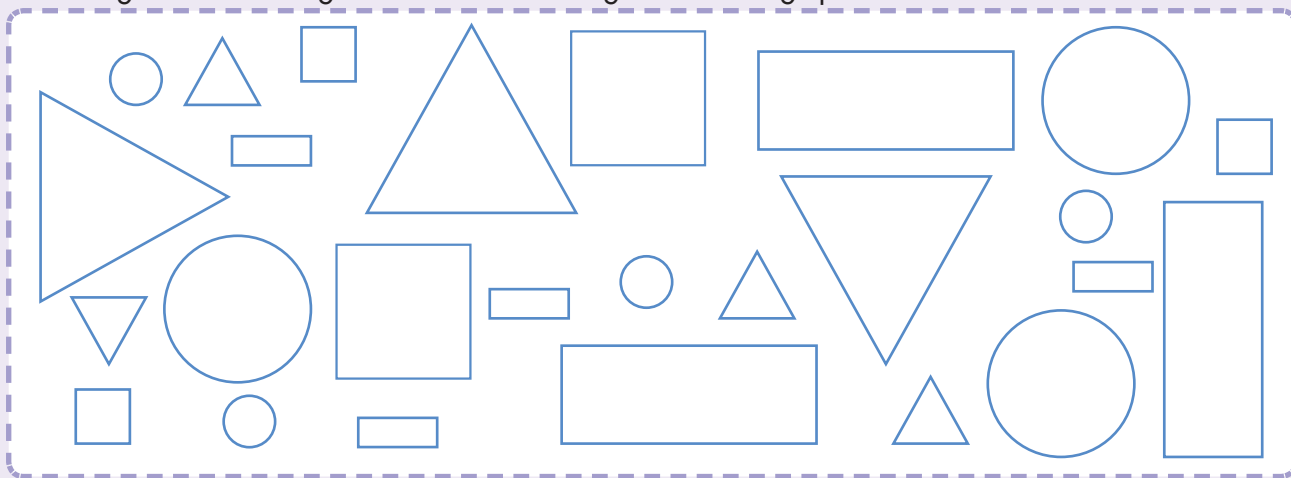
Vhalani uri ndi zwivhumbeo zwingana zwi ngaho itshi zwine ni nga zwi wana tshifanyisoni.





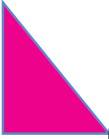
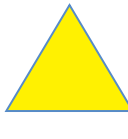
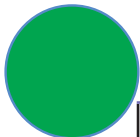
Khalarani zwothe

zwitendeledzi zwi hulwane nga muvhala mutswuku; zwitendeledzi zwi tuku nga mudala;
thiraiengele khulwane nga wa lutombo; thiraiengele tshukhu nga tshitopana;
zwikwea zwi hulwane nga tada; zwikwea zwi tuku nga phephu;
rekithiengele khulwane nga buraweni; rekithiengele tshukhu nga pinki.



Hu na vhurumbu (matungo) vhugana?

Tshivhumbeo tshirwe na tshirwe tshi na vhurumbu vhugana? Nwalani nomboro i re kha tshibuloko. Ro ni itela nthihi. Vhurumbu ndi tswititi kana ndi tshipulumbu? Khalarani phindulo i re yone.

 3 tswititi tshipulumbu	 tswititi tshipulumbu	 tswititi tshipulumbu	 tswititi tshipulumbu
 tswititi tshipulumbu	 tswititi tshipulumbu	 tswititi tshipulumbu	 tswititi tshipulumbu



Teacher:
Sign:
Date:

U tshimbila ha tshifhinga



U vhalala tshifhinga

Ndi zwifhinga zwifhio zwine watshi idzi dza luvhondoni dza sumbedza?



Awara ya _____

Awara ya _____

Awara ya _____

Awara ya _____



Thamuwani ni tshi mona na watshi

Thusani Minnie Mouse u vhalala miminete nga dzi5.

Thomani kha 12. Ni mone nayo yotthe.

Ni vha no vhalala miminete mingana? _____

Hu na miminete mingana kha awara ya I. _____



U nwala tshifhinga

Olani mananga ni tshi sumbedza zwifhinga.



kotara u bva kha
awara ya 6



hafu u bva kha
awara ya 8



kotara u ya kha
awara ya 11



hafu u bva kha
awara ya 5



Zander u ya tshikoloni.



U bva hayani.



U swika tshikoloni.

Zander u dzhia tshifhinga tshingafhani? _____



Duvha la u baka

Vho Maria vha baka vhurotho.



Vhurotho vhu dzhena ovenini.



Vhurotho vhu a bva.



Vhurotho vhu bakiwa awara dza _____.



Khaedu

Ndi a kona u vhona phetheni.

Nga tshifhinga tsho ingwaho kavhili

a. Shandukisani awara dzi vhe miminete.

Awara	1	2	4	8
Miminete	60			

b. Jabu u fhedza miminete ya 45 u ya tshikoloni. Pfano u fhedza tshifhinga itshi luvhili.

Ndi awara nngana dzine Zander a fhedza u swika tshikoloni? _____



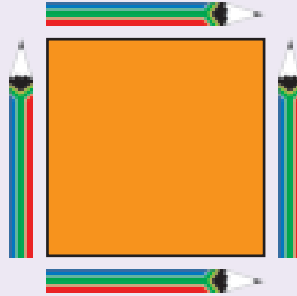
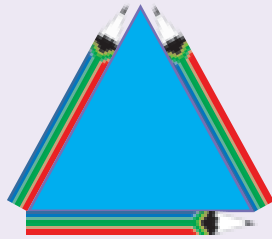
Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

U pima vhulapfu/vhunavho



Musi o t̃angana o t̃he,
masia a thiraiengele iyi
a na vhulapfu hu
no lingana na ha
pinisela dza 3.



Musi o t̃angana o t̃he,
masia a tshikwea itshi
a na vhulapfu hu
no lingana na ha
pinisela dza 4.



A thi divhi uri
rekithiengele iyi i nga
vha i na vhulapfu na u
t̃andavhuwa zwingafhani.

Rekithiengele iyi i na vhulapfu vhungafhani ha pinisela?



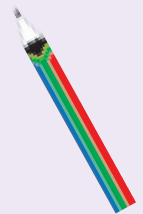
Rekithiengele iyi i na u t̃andavhuwa vhungafhani ha pinisela?



vhulapfu



vhuphara



No shumisa pinisela nga ngilade kha u vhalo?

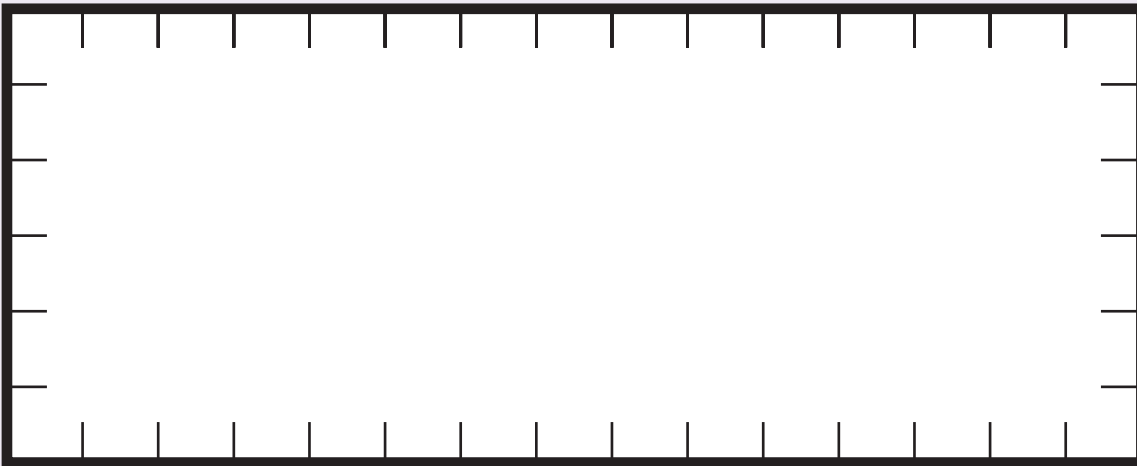


Tshibulebule tsha vhulapfu

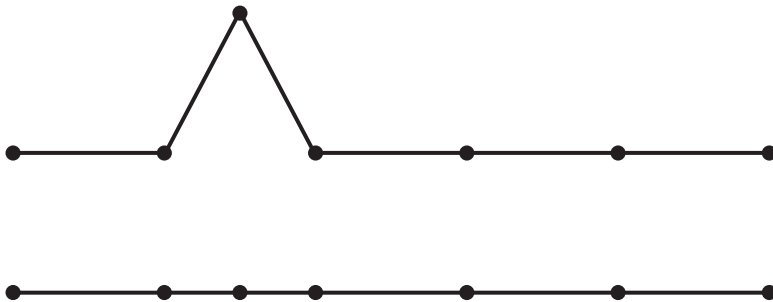
- a. Ndi mitalo mingana miset̃ha ine na i t̃oda uri ni kone u tiba mutalo mutswu?



- b. Ndi mitalo mingana miset̃ha ine na i t̃oda uri ni do kona u mona na rekhitiengele?



- c. Ndi tshifhio tsho lapfesaho, ndila ya nt̃ha kana ya fhasi, kana dzi a lingana?



Phindulo _____

Ndi ngani? _____



Khaphasithi (ngadzo)

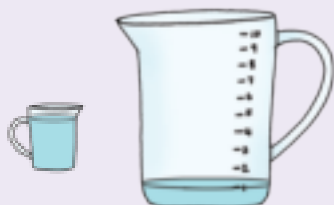
Ndo no shela
lebula nga
khaphuni

Ndi khaphu nngana hafhu dza madi dzine dza nga dadza tshifaredzi (mudziol)?



Hu na khaphu nngana dza madi kha tshifaredzi? Ri xoda khaphu nngana hafhu uri ri dadze tshifaredzi?

a.



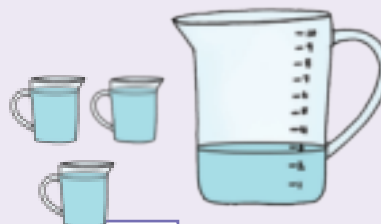
Kha tshifaredzi:

1

Hu xodea hafhu:

9

b.



Kha tshifaredzi:

Hu xodea hafhu:

c.



Kha tshifaredzi:

Hu xodea hafhu:

d.



Kha tshifaredzi:

Hu xodea hafhu:

e.



Kha tshifaredzi:

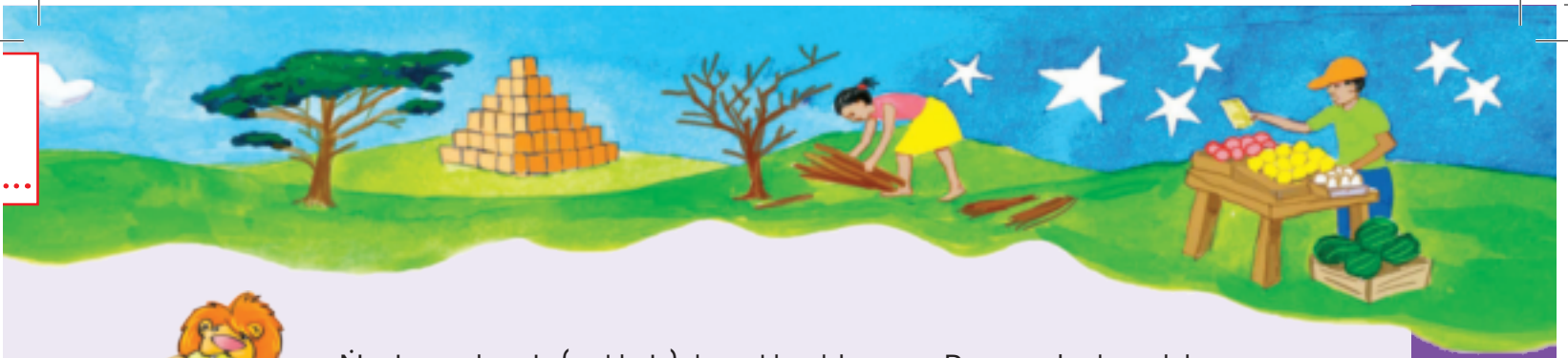
Hu xodea hafhu:

f.

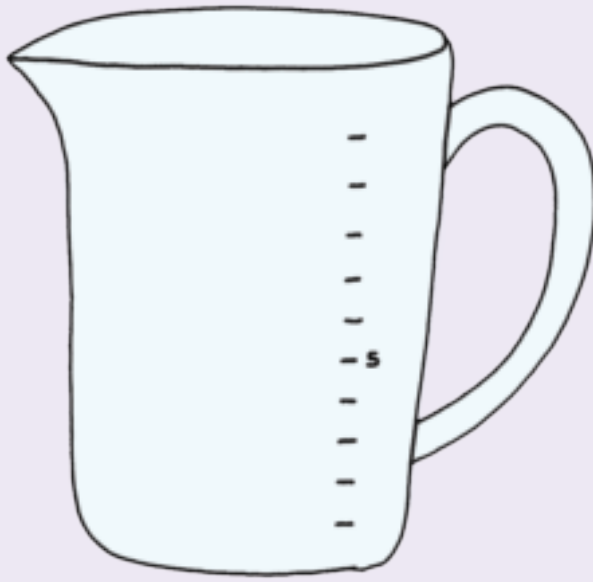


Kha tshifaredzi:

Hu xodea hafhu:



Nwalani inthevala (zwickhala) dzi re kha dzhege iyi. Ro ni sumbedza nthihi.



Arali khaphu nthihi i tshi dadza dzhege u swika kha inthevala 2; hu do todea khaphu nngana uri ni dadze dzhege u swika kha:

- a. 4 _____
- b. 6 _____
- c. 8 _____
- d. 10 _____



Itani thiki kha zwifaredzi zwine na vhona u nga zwi hwala l litha ya zwiludi ni zwi nambatedze ni tshi thoma kha zwiukusa u swika kha zwi hulwanesa.















Teacher: _____
Sign: _____
Date: _____

U ṭanganya na u ṭusa (tsheleme)



Kha ri kale tshileme tshashu!

Kha u wana tshileme tshashu, uri ri **lemela** kana u **leluwa** zwingaf'hani, ri shumisa tshikalo.

Ri kala tshileme nga **dzikhi logireme**.

Ri shumisa abiriviesheni iyi: kg. Ndi nnyi a no lemelesa?



41 kg



38 kg



41 kg



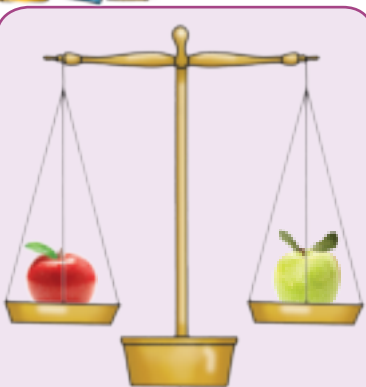
42 kg



39 kg

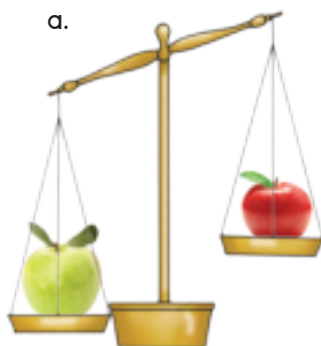


Ri shumisa tshikalotshilinganyisi (tsha balantsi) kha u kala tshileme.

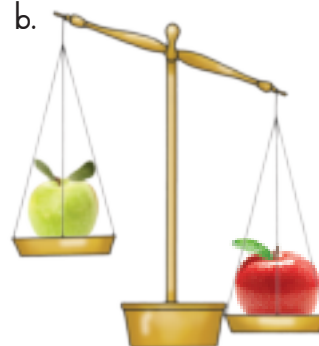


Ndi kha tshikalo tshifhio hune maapula vhuvhili hao a lemele u fana?

a.



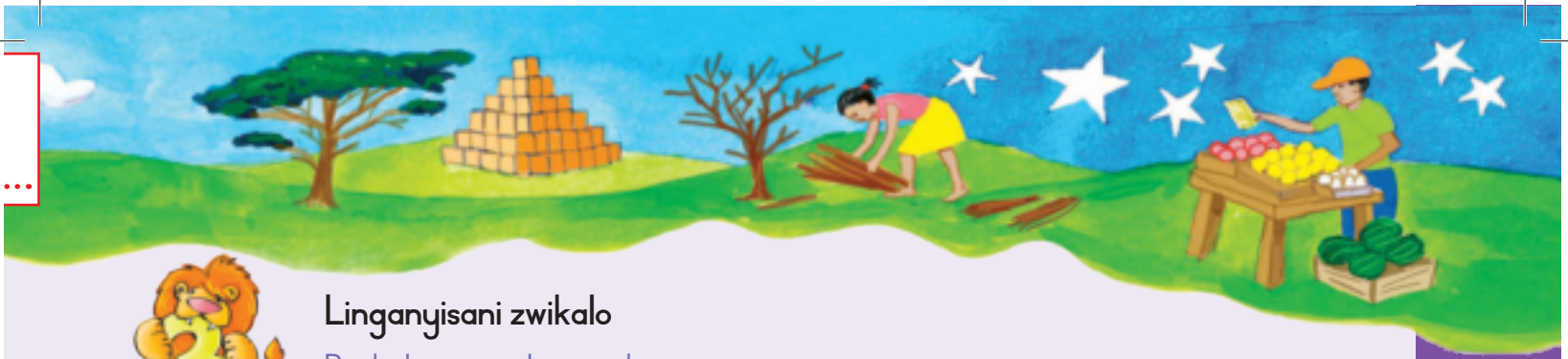
b.



Fhindulani mbudziso. Nwalani a kana b.

Ndi kha tshikalo tshifhio hune apula lidala la lemelesa u f'hira apula litswuku? Ndi kha tshikalo tshifhio hune apula litswuku la lemelesa u f'hira apula lidala?

☐
☐



Linganyisani zwikalo

Ro dzula ro ni itela ya u thoma.



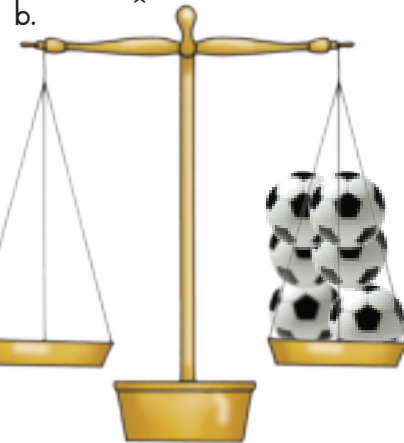
Zwidina zwivhili zwi lemela u fana na bola nṅa.

Olani uri hu tṱoṱea zwidina zwingana kana bola nngana kha u ita uri zwikalo izwi zwi lingane (zwi balantse)

a.



b.



Arali phasela nthihi i tshi lemela 3kg. Dza..... dzi ḑo lemela mini?

a. Phasela dza 2 _____

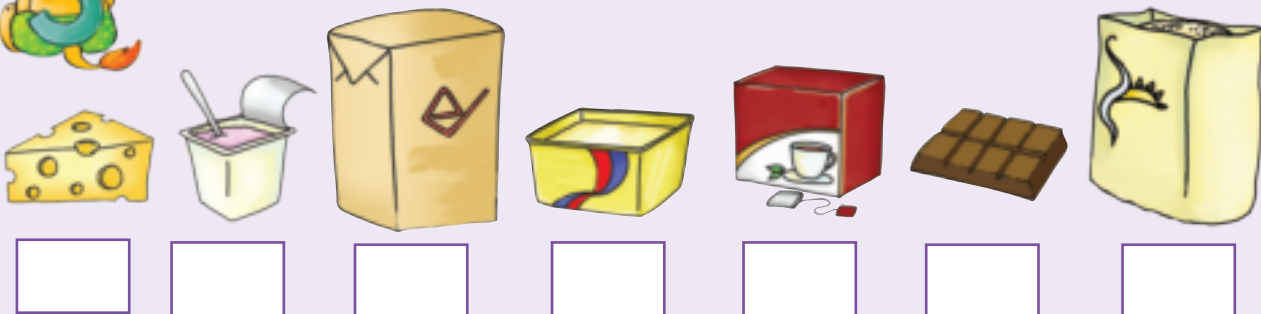
b. Phasela dza 3 _____

c. Ndi nga kona u kala phasela dza 4. nga luthihi kha itshi tshikalo tsha khishini? _____

Ngani? _____



Itani thiki kha zwifaredzi zwi no hwala phakhethe dza 1 kg.



Teacher: _____
Sign: _____
Date: _____



Zwienda kilasini

Vhalani tshitori

Thabo: Ndi zwavhudi, mufumakadzana! Jack ndi muswonda!
U ambara saizi 6 ya zwienda!



Mufumakadzi: Zwo luga! Yoo, Thabo, saidzi iyo yo hulesa kha muthu wa minwaha ya tahe!
Thabo, inwi ni ambara saizi ifhio ya tshienda? Ndi saizi ifhio ine vhanwe vhothe
kilasini vha ambara? Kha ri ite thodisiso!

Vhagudi vha nga bula saizi dzavho nga muthihi nga muthihi.

Mufumakadzi Vho Khoza vha nwala saizi kha bodo ya u nwalela.

Mufumakadzi: Vhalani, ni kone u nwala uri saizi inwe na inwe yo nwalwa lungana kha thebulu.

2	2	3	1	2	3	1	4	3	2	3
2	3	2	6	2	2	3	3	3	4	3
4	2	2	3	3	5	3	2	2	2	1
1	1	2	4	2	3	2	3	4	2	4
4	3	2	2	3	1	2	2	1	4	3

Dadzani thebulu i re afho fhasi.

Saizi dza zwienda zwi re kilasini					
Saizi 1	Saizi 2	Saizi 3	Saizi 4	Saizi 5	Saizi 6



Zwino olani girafu ya
zwifanyiso (phikhithogirafu)



= mugudi muthihi

      					
Saizi 1	Saizi 2	Saizi 3	Saizi 4	Saizi 5	Saizi 6



Zwino fhindulani mbudziso idzi.

- Vhagudi vhanzhi vha ambara zwienda zwa saizi _____.
- Tshivhalo tshitukusa tshi ambara saizi _____.
- Vhana vha _____ vho shela mulenzhe kha tshodisiso iyi.



Zwino inwivho?

Wanani uri ndi saizi dzifhio dza zwienda dzine inwi na khonani dzaṅu na ambara!

- Shumani nga tshigwada tsha vhana vha 6 u swika kha 8.
- Kuvhanganyani data yaṅu.
- Nwalani tshivhalo tsha saizi dza zwienda kha thebulu.
- Vhambedzani phindulo dzaṅu na zwiṅwe zwigwada.



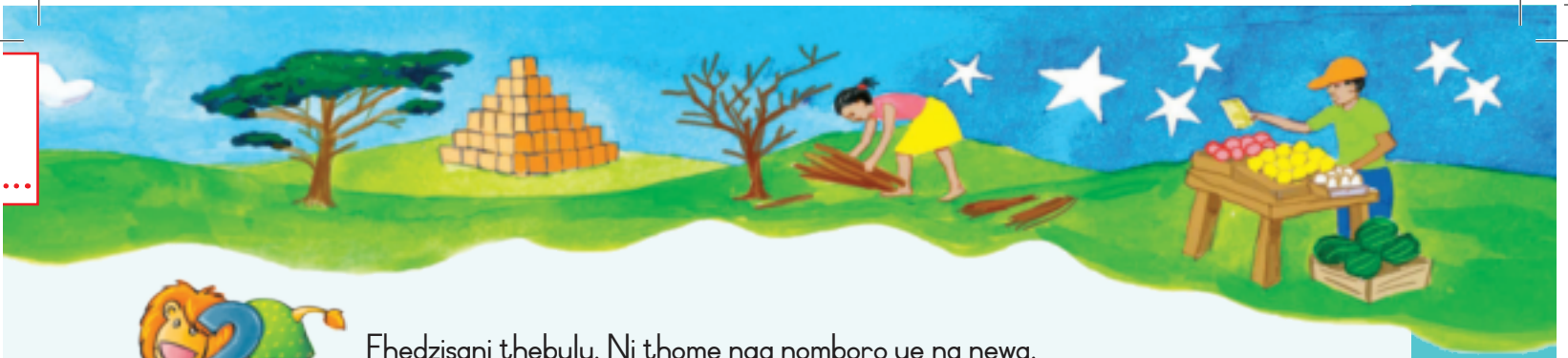
Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

[illegible]

- Ndi nomboro ifhio i no rangela 68? _____
- Ndi nomboro ifhio i no tevhela 68? _____
- Nwalani nomboro ţhanu ţhukhu kha 71 _____, _____, _____, _____, _____
- Nwalani nomboro ţhanu dzi re khulwane kha 71. _____, _____, _____, _____, _____
- Ndi nomboro dzifhio dzi re vhukati ha 79 na 84? _____
- Nwalani nomboro idzi dzi tshi bva kha ţhukhusa dzi tshi ya kha khulwanesa. 73, 52, 50, 59, 61

- Nwalani nomboro idzi dzi tshi bva kha khulwanesa dzi tshi ya kha ţhukhusa. 74, 96, 99, 91, 38



Fhedzisani thebulu. Ni thome nga nomboro ye na newa.

	nnzhi nga nthihi	ṭhukhu nga nthihi	nnzhi nga fumi	ṭhukhu nga fumi
25				
39				
74				
56				
40				



Tangedzelani nomboro khulwanesa

78	87	17	36	63	33
----	----	----	----	----	----

Tangedzelani nomboro ṭhukhusa

99	19	9	14	41	40
----	----	---	----	----	----



Arali < i tshi amba ṭhukhu kha; nahone > i tshi amba khulwane kha; fhedzisani

$$32 \quad < \quad 64 \qquad 23 \quad > \quad 18$$

$$57 \quad \square \quad 98 \qquad 89 \quad \square \quad 57$$



Wanani nomboro dza 5 kha gurannda dzi re vhukati ha 50 na 99 ni dzi nambatedze hafha. Nomboro inwe na inwe i amba mini?



Teacher:

Sign:

Date:

Vhuimo ha nomboro u swika kha 99



U sumbedza nomboro ni tshi shumisa zwithu

Ri a kona u sumbedza nomboro nga zwibuloko zwa vhuimo ha nomboro.

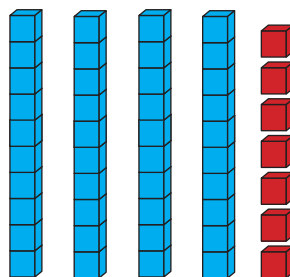
Tshibuloko tshituku tshi imela I. Ndi yuniti.

Rodo ya zwibuloko zwithuku zwa IO i imela IO. Ndi IO.

Mahumi	Yuniti

Ni nga sumbedza nomboro ni tshi shumisa mahumi na yuniti.

Ni nga sumbedza 47 nga hei ndila.



Mahumi	Yuniti
4	7

fujasumbe
47



U nwala nomboro nga dzididzhiti na maipfi

- a. Nga fhasi ha tshifanyiso, nwalani uri hu na mahumi mangana na uri hu na yuniti nngana. Ni kone u nwala nomboro nga zwiga na maipfi.

Mahumi	Yuniti	Mahumi	Yuniti	Mahumi	Yuniti
3	1				
31 furaruthihi					



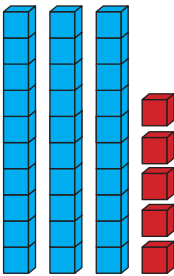
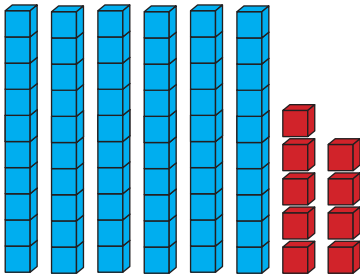
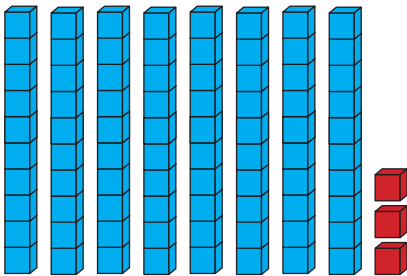
20 6 2 6

b. Ri nga kha di shumisa na garaṭa dza nomboro kha u zwi sumbedza.

Nomboro	Ndi magana mangana?	Hu na yuniti nngana?	Nwalani nomboro nga maipfi
26	2	6	Fumbilirathi
46			
99			



Nomboro ndi ifhio?

	30 5 3 5	<table><tr><th>Mahumi</th><th>Yuniti</th></tr><tr><td>3</td><td>5</td></tr></table> furarutḡhanu 35	Mahumi	Yuniti	3	5
Mahumi	Yuniti					
3	5					
		<table><tr><th>Mahumi</th><th>Yuniti</th></tr><tr><td></td><td></td></tr></table> _____ _____	Mahumi	Yuniti		
Mahumi	Yuniti					
		<table><tr><th>Mahumi</th><th>Yuniti</th></tr><tr><td></td><td></td></tr></table> _____ _____	Mahumi	Yuniti		
Mahumi	Yuniti					

Teacher: _____

Sign: _____

Date: _____

11 12 13 14 15 16 17 18 19 20

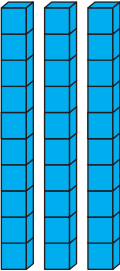


Hu na yuniti dza l2.
Ri do vhea l0 wadzo kha tshigwada.

Kha ri ṭanganye **27 + 4**. Zwibuloko zwa lutombo ndi zwone zwine ra thoma ngazwo. Zwa pinki ndi zwone zwine ra khou ṭanganyisa khazwo.

Ri na mahumi a 2 na yuniti dza II.

Zwino ri na
Mahumi 3 + yuniti 1 = 31

Mahumi	Yuniti
	

_____	+	_____	=	_____
3		1		



Nwalani fhungombalo lo sumbedzwaho nga tshifanyiso

Mahumi	Yuniti
$10 + 5 + 6$	

Mahumi	Yuniti
$___ + ___ + ___$	

Mahumi	Yuniti
$___ + ___ = ___$	

Fhedzisani zwifanyiso. Nwalani mafhungombalo a re tshifanyisoni.

Mahumi	Yuniti

Mahumi	Yuniti

Mahumi	Yuniti

Mahumi	Yuniti

Mahumi	Yuniti

Mahumi	Yuniti



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Tanganyani kha mutalombalo

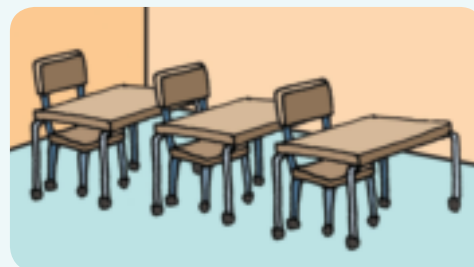
Dzulani desikeni yanu!

Tshikoloni tshashu mugudi muṛwe na muṛwe u na desike yawe.

Hu na vhagudi vha 46 kha Gireidi 3A na vha 24

kha Gireidi 3B.

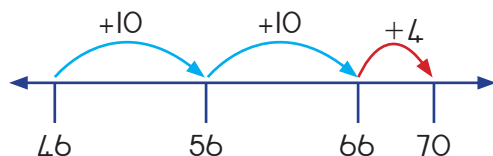
Ndi desike nngana dzine ra tṛoda kilaṣini vhuvhili hadzo?



Shumani na muṛwe nga inwi

Lavhelesani uri vhagudi avha vhararu vho shumisa hani mutalombalo kha u tandulula thaidzo.

Fhedzisani mbalo ni tshi shumisa tsumbo iyi.



Zwine nda ita ndi hezwi: Ndi thoma nga u tanganyisa 10. Izwi zwi ntswikisa kha 56.

U bva hone nda fhufha inwe 10 nda swika kha 66.

Mafhedziseloni, ndi fhufha nga 4 hafhu nda swika kha 70.

Sumbedzani nga garaṭa dzanu dza nomboro.

$$= 46 + 10 + 10 + 4$$

$$= 56 + 10 + 4$$

$$= 66 + 4$$

$$= 70$$

Ndi tea u
tanganya 24
kha 46.



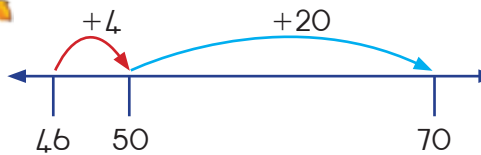
a. $32 + 25 =$





b. $52 + 26 =$

c. $46 + 25 =$



Ndi tea u
tanganya 24
kha 46.



Zwine nda ita ndi hezwi: Ndi thoma nga u fhufha 4. Zwi do ntswikisa kha 50.
Ndi pfuka nga 20 hafhu, zwa ntswikisa kha 70.

Sumbedzani nga garaṭa dzaṇu dza nomboro.

$$\begin{aligned}
 &= 40 + 10 + 20 \\
 &= 50 + 20 \\
 &= 70
 \end{aligned}$$

a. $36 + 41 =$



Teacher: _____

Sign: _____

Date: _____

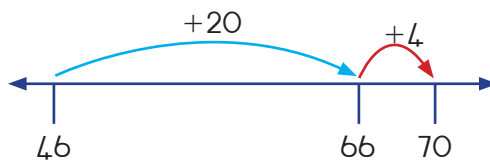
20b

Deithi:

Themo ya I

Tanganyani kha mutalombalo (hu iswa phanda)

b. $57 + 19 =$



Ndi tea u
tanganya 24
kha 46.



Zwine nda ita ndi hezwi; U bva kha 46, ndi fhufha nga 20. Zwi ntswikisa kha 66. Zwino ndi tea u fhufha nga 4 nda kona u swika kha 70.

Ri nga kha di shumisa na garaṭa dza nomboro

$$= 46 + 20 + 4$$

$$= 66 + 4$$

$$= 70$$

a. $63 + 24 =$



b. $65 + 29 =$

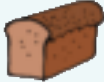




Tanganyani kha mutalombalo (hu iswa phanda)



Ndi lofo nngana?

Mubaki u disa lofo dza 54 dza burauni  na dza 68 tshena .

Ndi lofo nngana dzo tangana dzotlhe?

a. Wanani thanganyelo kha mutalombalo. Sumbudzani nomboro na saizi dza kufhufhele.



Tanganyani zwi tevhelaho. Shumisani ndila yanu. Shumisani ngona (ndila) inwe na inwe ine na funa.

$$38 + 24 =$$

$$58 + 17 =$$

$$75 + 16 =$$

$$83 + 29 =$$



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

21a

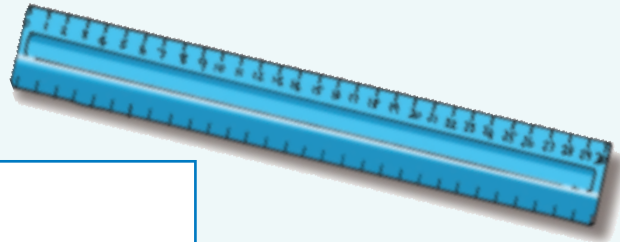
Deithi:

Tusani kha mutalombalo

Mugudi muthihi! Rula nthihi!

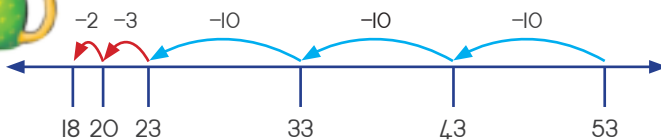
Kilasi i tōda rula dza 53. Ri na dza 35 fhedzi.

Ndi nngana dzine na dzi tōda? $53 - 35 =$



Shumani na muṁwe nga inwi

Vhalani uri vhangudi vhararu vhenevhaḽa vthathihi vha shumisa hani mutalombalo afha. Fhedzisani tḽhanganyelo ni tshi shumisa tsumbo.



Ndi tea u tusa 35 kha 53.
Muṁuso zwi amba u bvisa.



Ndi ḽo thoma kha 53 nda tusa. Ndi ḽo bvisa 10, 10, 10 – izwo zwi ḽo ntswikisa kha 23. Zwino ndi tea u bvisa tḽhanu, ndi thoma nga u tusa 3, nda swika kha 20. Ndi tusa hafhu 2 nda wana 18. Zwi amba uri ri tōda rula dza 18.

$$= 53 - 10 - 10 - 10 - 3 - 2$$

$$= 43 - 10 - 10 - 3 - 2$$

$$= 33 - 10 - 3 - 2$$

$$= 23 - 3 - 2$$

$$= 20 - 2$$

$$= 18$$



a. $68 - 24 = \square$

←

→

b. $74 - 38 = \square$

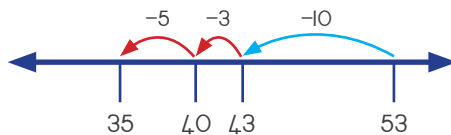
←

→

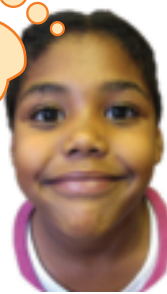
c. $92 - 87 = \square$

←

→



Mutuso zwi amba uri
wanani phambano vhukati
ha 53 na 35.



Ndi go thoma kha 53 nda vhala ndi tshi humela kha 35 uri ndi wane phambano. Arali nda vhala ndi tshi humela murahu nga 10, ndi swika kha 43. Ndi nga vhala ndi tshi humela murahu nga 3 hafhu u swika kha 40. U bva afho nda vhala ndi tshi humela murahu nga 5 hafhu u swika kha 35.

10 ra tanganya na 3 ra tanganya na thanu ndi 18. Zwi amba uri ri toda rula dziwiwe dza 18.

a. $38 - 14 = \square$

←

→



Teacher: _____

Sign: _____

Date: _____

21b

Deithi:

Tusani kha mutalombalo (hu iswa phanda)

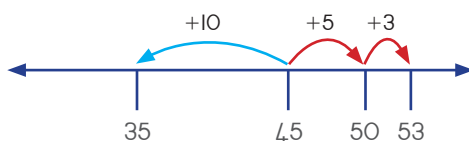
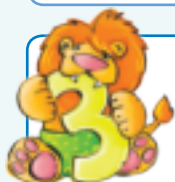
b. $65 - 43 =$



c. $72 - 39 =$



d. $85 - 48 =$



Ndi nga thoma kha 35
nda vhona uri ndi nga
pfuka lungana u vhala u
swika kha 53.



Ndi nga thoma kha 35 nda vhona uri ndi nga pfuka lungana u vhala u swika kha 53. Fumi ra tanganya na thanu ra tanganya na raru ndi 18. Ri toda rula dzinwe dza 18.

a. $84 - 32 =$





b. $96 - 53 =$

c. $78 - 19 =$

d. $63 - 47 =$



U tshimbila nga thekhisi

Lwendo lwa u ya doroboni nga thekhisi ndi km dza 65.

U swika zwino thekhisi yo tshimbila km dza 38.

Ho sala tshikhala tshingafhani?

Shumisani mutalombalo kha u tandulula thaidzo iyi. Ni nga tusa, u vhala ni tshi ya phanda kana murahu. Leibelani he na fhufha na nomboro kha mutalombalo.



km



Teacher: _____

Sign: _____

Date: _____

Ndi tshifhinga tsha phathi

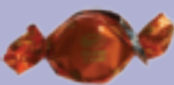


Pulane ya u thoma!

Busi u humbela khonani dzawe uri dzi khethe zwiliwa zwa phathi zwine vha zwi funesa. Hezwi ndi zwe a kuvhanganya. Mu thuseni u vhekanya.



Vhalani, ni riwale uri ndi khonani nngana dzo nangaho lushaka luñwe na luñwe lwa zwiliwa.

				
Nomboro				



Olani tshifhatuwo tshithihi (😊) kha riwana muirwe na muirwe ane a nanga lushaka lwo raloho lwa tshiliwa kana tshinwiwa.



Teacher: _____

Sign: _____

Date: _____

U vhala u swika kha 200

Ndi maapula mangana ane na kona u a vhona?



Dzhenisani nomboro

Bogisi la I li na maapula a

Rou ya I i na maapula a

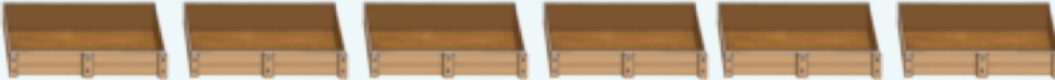
Rou ya I i na mabogisi a

Rou dza 4 dzi na maapula a



Hu na maapula a 10 bogisini liiwe na liiwe. Ndi maapula mangana a re hone?

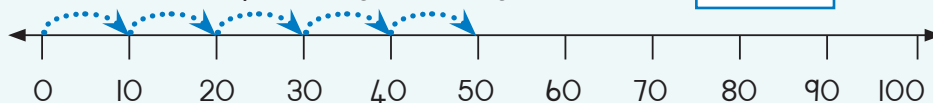
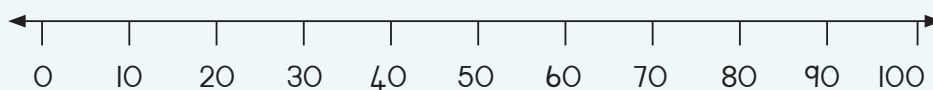
a. 

b. 

c. 



Zwisumbedzeni kha mutalombalo.

a. Hu do vha na maapula mangana mabogisini matanu? b. Hu do vha na maapula mangana mabogisini a sumbe? 



zwiṭhop̣ho (loto) zwa 3 zwa 10 zwi ita – $3 \times 10 = 30$ kana $10 \times 3 = 30$

zwiṭhop̣ho zwa 5 zwa 10 zwi ita – $\times$ = kana $\times$ =

zwiṭhop̣ho zwa 2 zwa 10 zwi ita – $\times$ = kana $\times$ =

Phere dza 5 dza milenzhe.

Hu na zwi kunwe zwingana zwo ṭangana zwo ṭhe?



$10 + 10 + 10 + 10 + 10 = 50$ $5 \times 10 =$

kana $10 \times 5 =$

Shumisani ndila yeneyi kha u shuma hedzi.

Phere dza 4 dza nayo. Hu na zwi kunwe zwingana zwo ṭangana zwo ṭhe?

= $\times$ = kana $\times$ =

Phere dza 3 dza nayo. Hu na zwi kunwe zwingana zwo ṭangana zwo ṭhe?

= $\times$ = kana $\times$ =



Kha ri vhale (vhalele)

10, 20, 30, 40, 50, _____, _____, _____, _____,

_____, _____, _____, _____, _____, _____, 200



Teacher:

Sign:

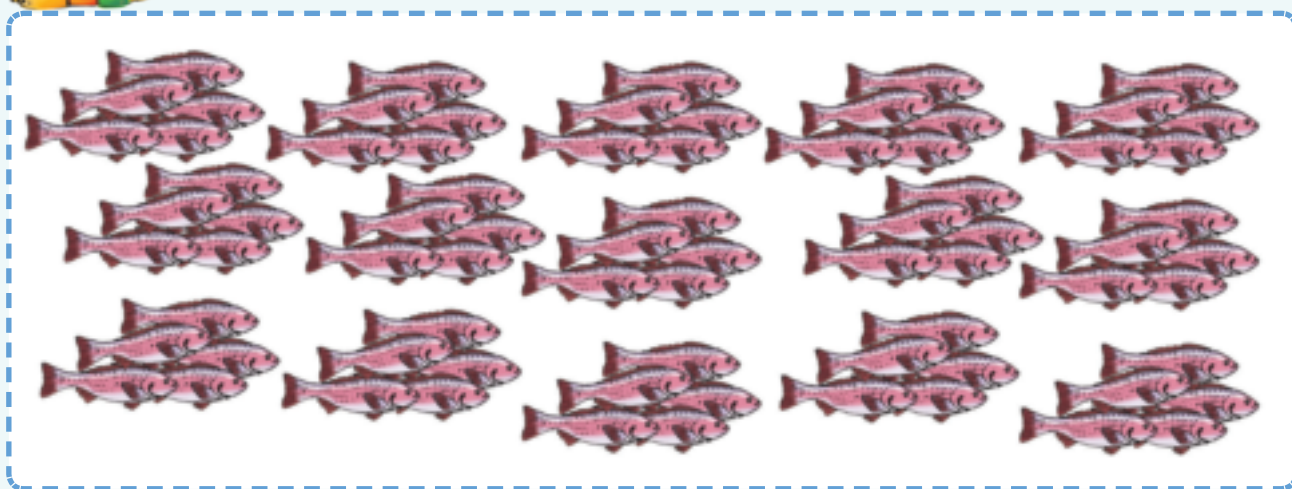
Date:

11 12 13 14 15 16 17 18 19 20



U ita ndowendowe nga 5

Hu na khovhe nngana? Anganyelani



Zwino vhalani khovhe. Wanani ṭhanganyelo.



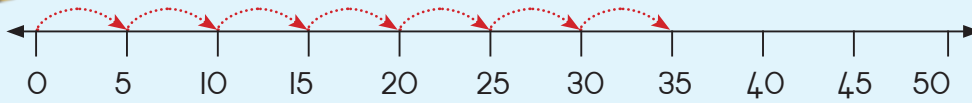
Vhalani nga 5

Wanani ṭhanganyelo yothe ya makumba a khovhe. Nwalani fhungombalo la + na X. Ro ni itela ya u thoma.

Khovhe na makumba	Hu na makumba mangana o ṭhangana othe?	
Khovhe dza 5, inwe na inwe i kudzela makumba a 2	$2 + 2 + 2 + 2 + 2 = 10$	$5 \times 2 = 10$
Khovhe dza 5, inwe na inwe i kudzela makumba a 10		
Khovhe dza 5, inwe na inwe i kudzela makumba a 4		
Khovhe dza 5, inwe na inwe i kudzela makumba a 3		
Khovhe dza 5, inwe na inwe i kudzela makumba a 6		
Khovhe dza 5, inwe na inwe i kudzela makumba a 8		
Khovhe dza 5, inwe na inwe i kudzela makumba a 5		

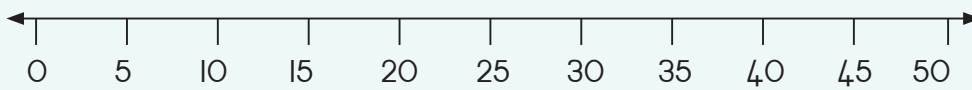


Fhedzisani mafhungombalo na mitalombalo



$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35} \quad \text{kana} \quad \boxed{7} \times \boxed{5} = \boxed{35}$$

a.

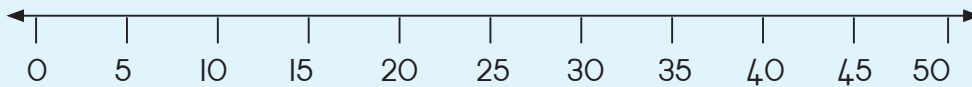


$$5 + 5 + 5 + 5 = \boxed{}$$

kana

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

b.

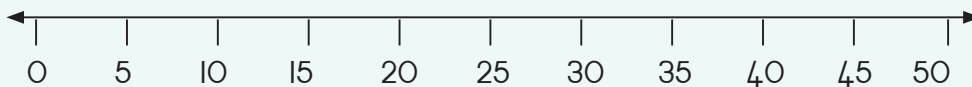


$$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{}$$

kana

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

c.



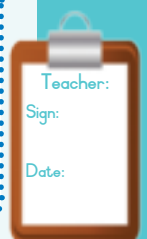
$$\underline{} + \underline{} + \underline{} + \underline{} + \underline{} + \underline{} + \underline{} + \underline{} + \underline{} + \underline{} = \boxed{} \quad \text{kana} \quad 10 \times 5 = 50$$



U rea khovhe

Sipho u fasha khovhe dzi re vhukati ha 40 na 50. U dzi vhala nga dzi2 ha vha na ya l yo salaho.

U dzi vhala nga dzi5 ha vha na dza 2 dzo salaho. Sipho u fasha khovhe nngana?



11 12 13 14 15 16 17 18 19 20

25a

Deithi:

Themo ya I

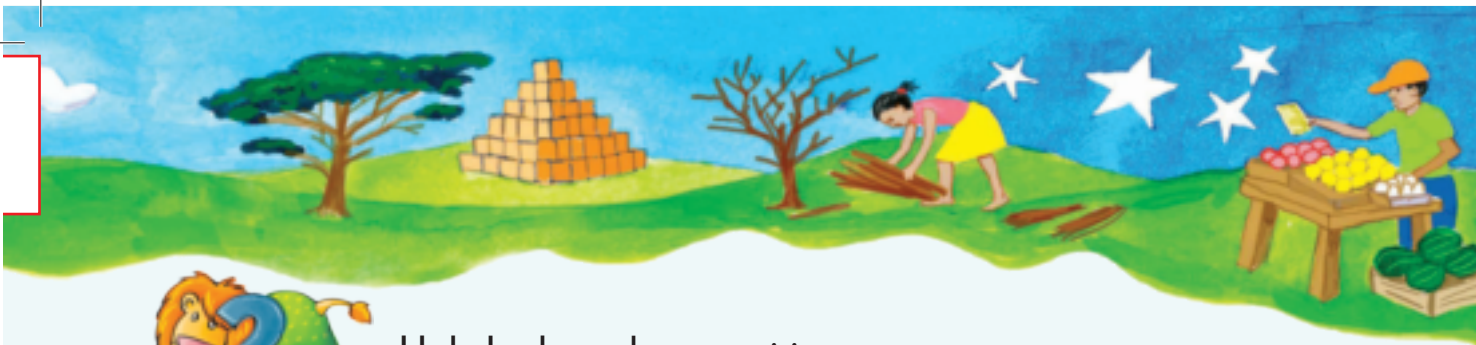


U vhalani nga 2
U vhalani masogisi

Vhalani nga 2



- Hu na phere nngana dza masogisi? _____
- Hu na masogisi mangana? _____
- Hu na masogisi o salaho? _____



U vhalala phere dza masogisi

Nwalani uri hu na phere nngana dza masogisi ni ambe arali hu na o salaho.

Masogisi	Tshivhalo tsha phere	Tshivhalo tsha sogosi	Ho sala sogisi nthihi



Teacher: _____
Sign: _____
Date: _____

25b

Deithi:

Themo ya I



U vhala nga 2 (u iswa phanda)

U fhaṭa phere

Ñwalani nomboro dza ivini na dza odo u thoma kha I u swika kha 60.

a. Ñwalani nomboro dza ivini dza u thoma kha I – 60.

2, 4, 6,

b. Ñwalani nomboro dza odo dza u thoma kha I – 60.

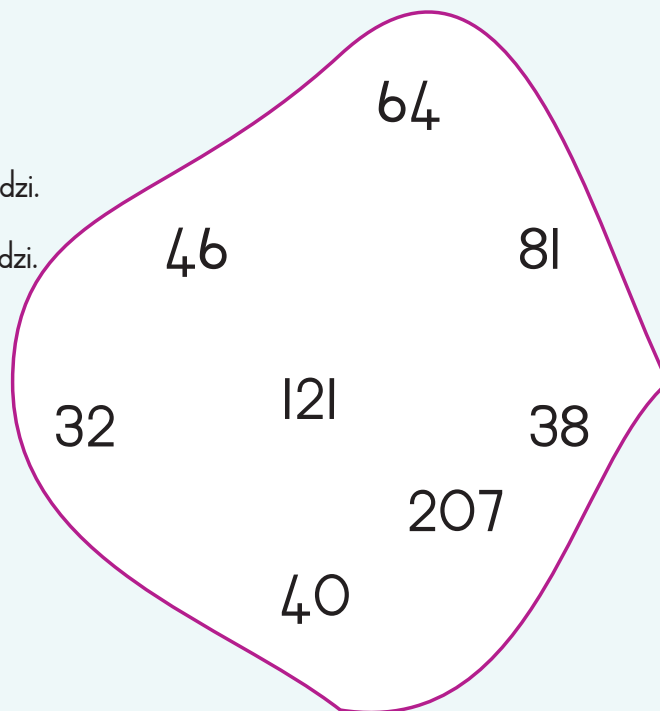
3, 5, 7,



Dziodo na dziivini

Tangedzelani nomboro dza ivini nga zwiendeledzi.

Tangedzelani nomboro dza odo nga zwiendeledzi.





U bva kha phere u ya kha masogisi

Tsumbo:

Sogisi dza 2 = phere ya 1



$$2 \times 1 = 2$$

Sogisi dza 20 = phere dza 10

$$2 \times 10 = 20$$

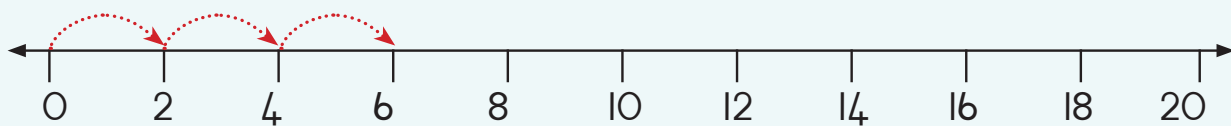
a. Nwalani uri ndi masogisi mangana.

Humbulani nga 2	Fhungombalo
1 phere = masogisi a 2	$2 \times 1 = 2$
2 phere = masogisi a _____	$2 \times 2 = \square$
4 phere = masogisi a _____	
8 phere = masogisi a _____	
9 phere = masogisi a _____	

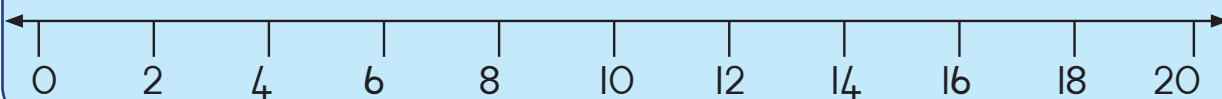
b. Sumbedzani mbalo kha mutalombalo ni fhedzise.

Tsumbo:

$$2 + 2 + 2 = 6 \text{ kana } 3 \times 2 = 6$$



$$2 + 2 + 2 + 2 + 2 + 2 + 2 = \square \text{ kana } \square \times \square = \square$$



11 12 13 14 15 16 17 18 19 20

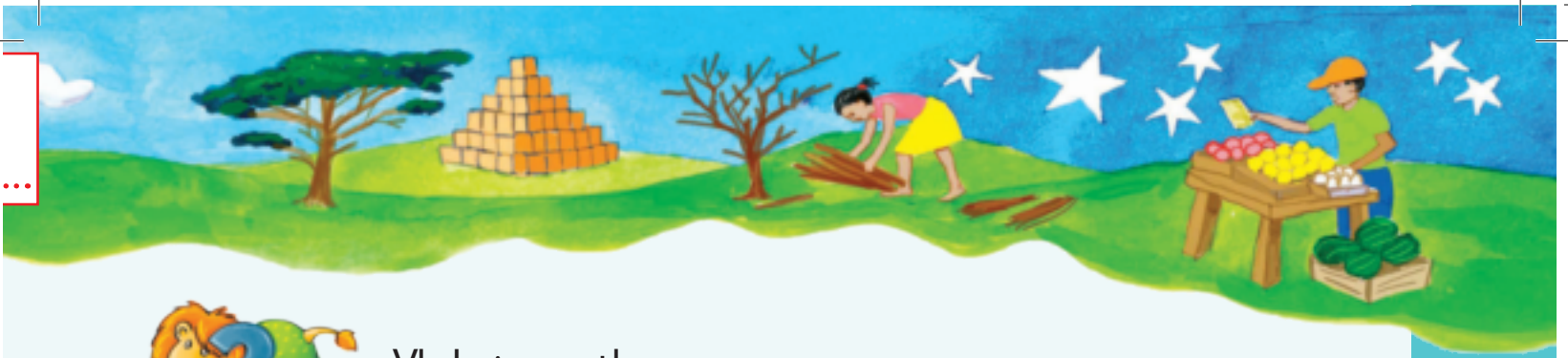


Nganetshelo ya tshelede yashu

Afrika Tshipembe ri shumisa dzirannda na masenthe sa tshelede yashu.
Ro thoma u shumisa dzirannda na masenthe nga 1961.

Tshifhingani tshenetsho khoini ya senthe I yo vha i tshukhusa, ha tevhela ya 2 senthe
ha kona u da 5 senthe.





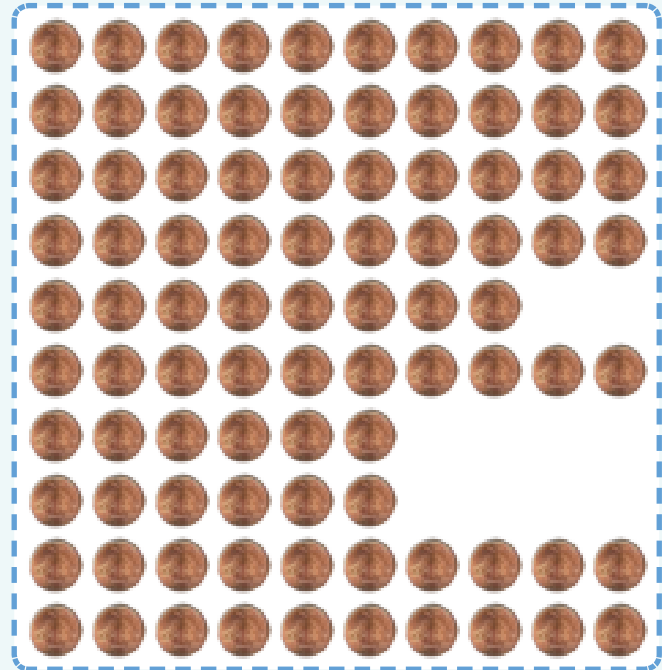
Vhalani masenthe

Vhalani masenthe.

Ndi masenthe mangana ane na vha nao?

Hu ṭodea mañwe mangana uri a ite R1,00?

A oleni kha tshibuloko

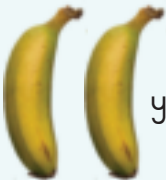


Ndi masenthe mangana?

R1,00 = c	R2,00 = c
R3,00 = c	R1,50 = c



Tshi dura vhugai?



ya 2 i ita R4,00.

Ni wana miomva mingana nga R20,00?



a 2 a ita R2,00.

Ni wana maapula mangana nga R9,00?



Teacher: _____

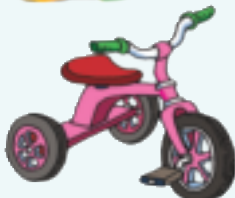
Sign: _____

Date: _____

U vhala nga 3



Malinga nga 3



Baisigira ya I ya malinga mararu (thiraisikili) i na malinga a _____.

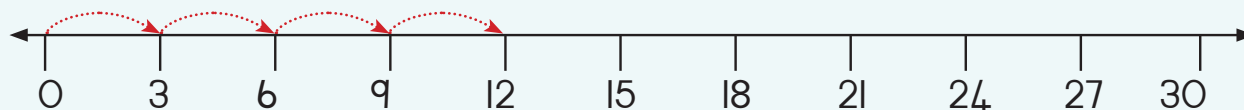


thiraisaikili dza 5 dzi na malinga a _____	$3 + 3 + 3 + 3 + 3 = 5 \times 3 =$ _____
thiraisaikili dza 2 dzi na malinga a _____	$3 + 3 = 2 \times 3 =$ _____
thiraisaikili dza 4 dzi na malinga a _____	
thiraisaikili dza 6 dzi na malinga a _____	
thiraisaikili dza 9 dzi na malinga a _____	
thiraisaikili dza 8 dzi na malinga a _____	



Mitalombalo

Tevhedzani tsumbo



a. $3 + 3 + 3 + 3 =$ $= 4 \times 3 =$



b.

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

c.

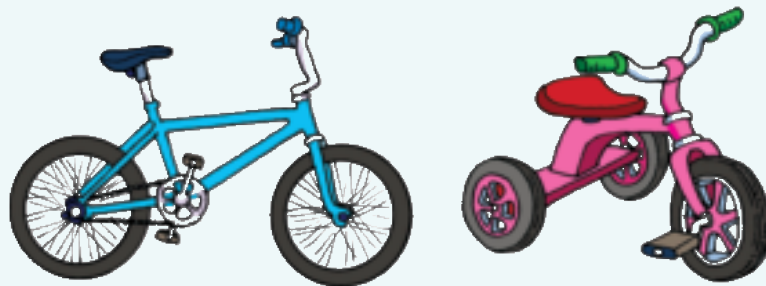
$$\underline{\hspace{2cm}} = \boxed{} = 6 \times 3 = \boxed{}$$

d.

$$\underline{\hspace{2cm}} = \boxed{} = 10 \times 3 = \boxed{}$$



Baisigira dza malinga mavhili na baisigira dza malinga mararu



Vhengeleni la baisigira Mulanga u vhala malinga a baisigira dza malinga mavhili na a baisigira dza malinga mararu. Hu na malinga a 14 o tanga.

Hu na baisigira nngana dza malinga mavhili? _____

Hu na baisigira dza malinga mararu nngana? _____



Teacher: _____
Sign: _____
Date: _____

Ndi zwifhio zwi no tshimbila nga 4?



Milenzhe miṇa

Zwiṇwevho nga nomboro 4 ...
 $4 + 4 = 8$; $2 \times 4 = 8$



Milenzhe ya kholomo ndi 4.

Ndi mini tshinwe hafhu tshine tsha vha zwiṇazwiṇa? _____

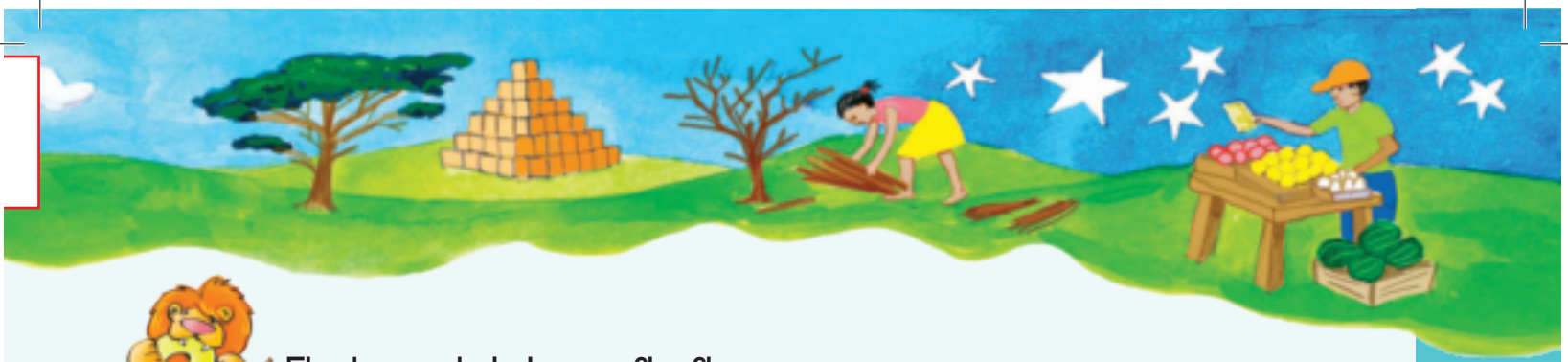


U vhala milenzhe

Kovhanani phindulo.
 Talutshedzani zwe na ita.

Shumisani zwine na zwi divha nga 4 ni tshi fhindula mbudziso idzi.

Kholomo  ya 1 milenzhe ya 4	Kholomo dza 2  milenzhe ya 8
Kholomo  dza 3 milenzhe ya	Kholomo dza 4  milenzhe ya
Kholomo  dza 5 milenzhe ya	Kholomo dza 6  milenzhe ya
Kholomo  dza 7 milenzhe ya	Kholomo dza 8  milenzhe ya
Kholomo  dza 9 milenzhe ya	Kholomo dza 10  milenzhe ya



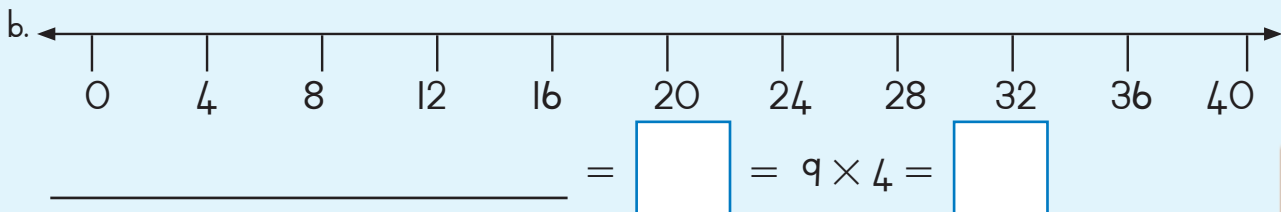
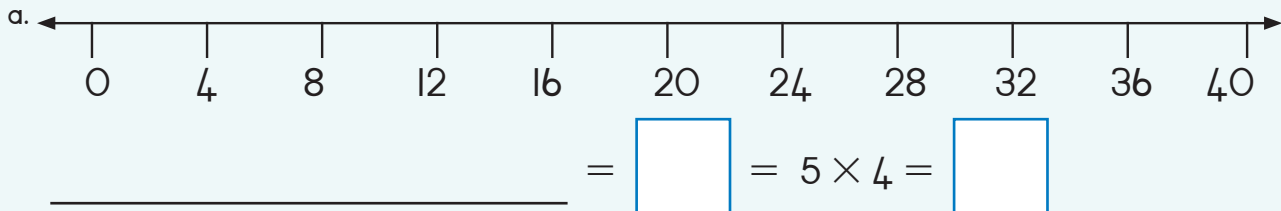
Fhedzisani thebulu i re af'ho f'hasi.
Shumisani tsumbo uri l i ni dedeze.

kholomo dza 3 dzi na milenzhe ya _____	$4 + 4 + 4 = 4 \times 3 = \underline{12}$
kholomo dza 5 dzi na milenzhe ya _____	
kholomo dza 4 dzi na milenzhe ya _____	
kholomo dza 7 dzi na milenzhe ya _____	
kholomo dza 8 dzi na milenzhe ya _____	



Mitalombalo

Fhedzisani zwi tevhelaho ni zwi sumbedze kha mutalombalo.



Teacher: _____
Sign: _____
Date: _____



Phetheni dza nomboro

Phetheni dza giridi

Ndi phetheni ifhio ya nomboro ine zwitendeledzi zwiṅwe na zwiṅwe zwi re kha giridi ya 100 zwa sumbedza?

Olani zwitendeledzi zwiṁwe nga nṱha ni tshi fhedzisa phetheni iṁwe na iṁwe.

Nwalani dzina la phetheni inwe na inwe.

a. Phetheni:

[illegible]

b. Phetheni:

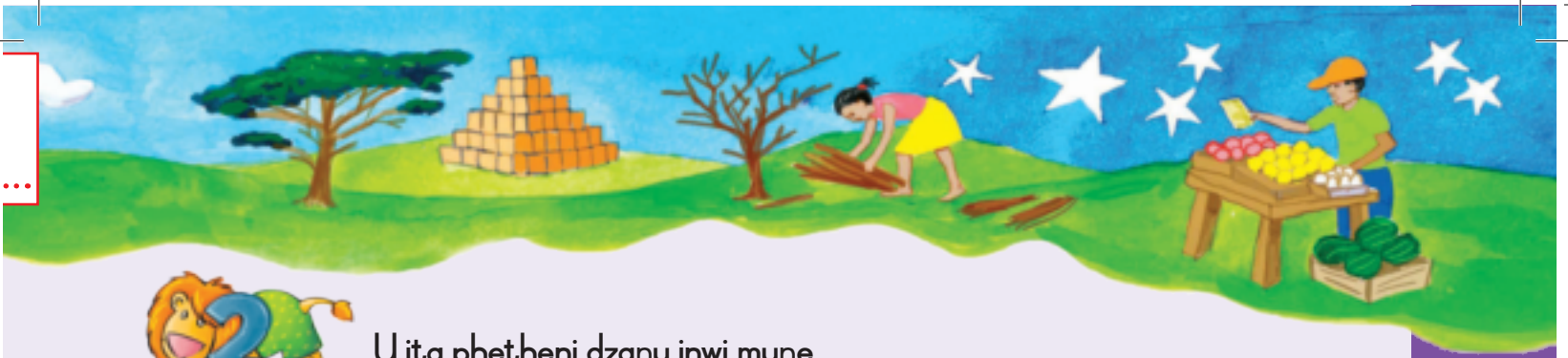
[illegible]

c. Phetheni:

[illegible]

d. Phetheni:

[illegible]



U ita phetheni dzanu inwi mune

a. Kha phetheni ya nomboro iyi nomboro dzotlhe ndi ivini. Dziwe nomboro dzi nga vha dzi nomboro? Dzi riwaleni.

				74				
--	--	--	--	----	--	--	--	--

b. Kha phetheni ya nomboro, nomboro dzotlhe ndi dza odo. Dziwe nomboro dzi nga vha dzi nomboro? Dzi riwaleni.

				65				
--	--	--	--	----	--	--	--	--



Dzi wela ngafhi?

48	32	12	36	40	84	45
90	80	15	24	72	150	75

Phetheni dza 3 na dza 4	Phetheni dza 3 na dza 5	Phetheni dza 4 na dza 5
tsumbo: 48		



Lwanzheni

Thembi u kuvhanganya khamba dza khumba dza lwanzheni dza vhukati ha 60 na 70. U dzi vhala nga 3, u na l yo salaho. Nomboro dzine dza nga konadzea ndi: 61, _____, _____, 70, Musi a tshi dzi vhala nga tshanu (dzi5), u na tshitahe tsha 4. Nomboro dzine dza nga konadzea ndi: _____, _____. Thembi u na khamba ngana? _____.



Teacher:
Sign:
Date:

30a

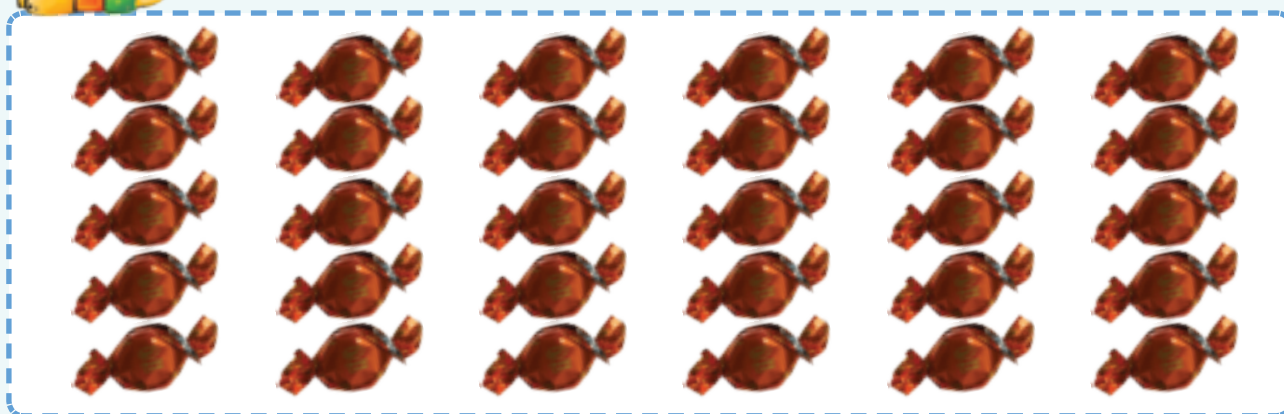
Deithi:

Mukovho

Themo ya I



Kovhani malegere



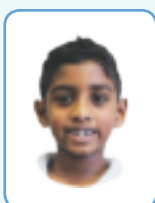
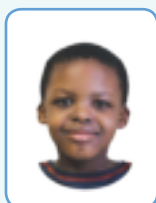
a. Kovhelani vhana vha 2 malegere a 30.



Ri nga i nwala sa

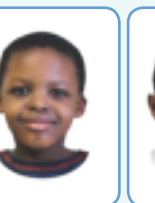
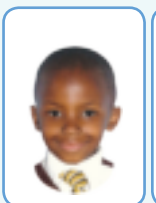
$$30 \div 2 = 15$$

b. Kovhelani vhana vha 3 malegere.



$$\div =$$

c. Kovhelani vhana vha 5 malegere.



$$\div =$$



Ri nga shumisa zwibuloko zwa nomboro kha mukovho.

$2 \quad 8 \div 2 = 1 \quad 4$	

Zwino shumani hedzi.

a.

$\square \quad \square \div 3 = \square \quad \square$	

b.

$\square \quad \square \div 4 = \square \quad \square$	



30b

Deithi:

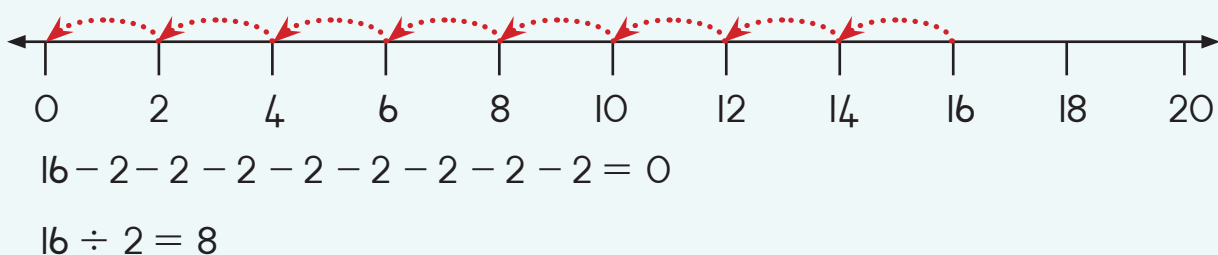
Themo ya I



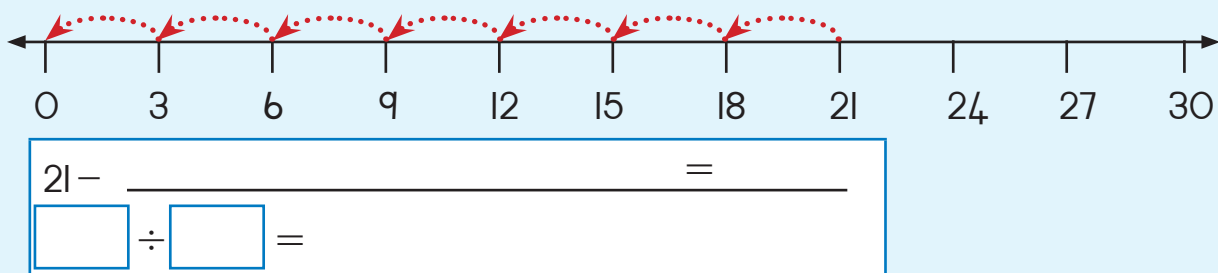
Mukovho (dzi iswa phando)

Shumisani mitalombalo kha u kha u riwala f'hungombalo la mutuso na la mukovho.

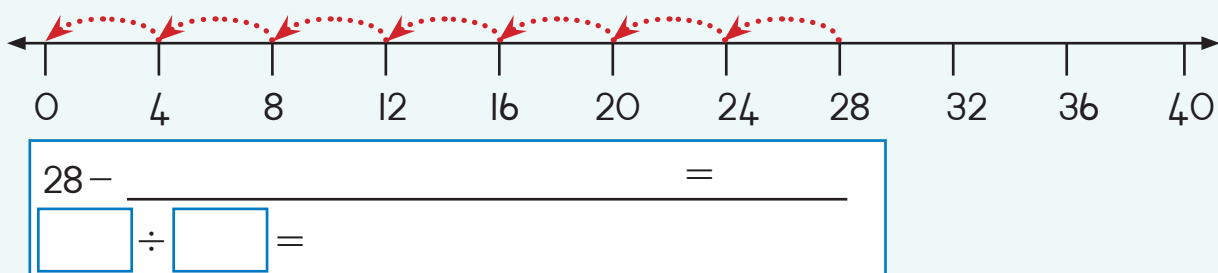
Tsumbo:



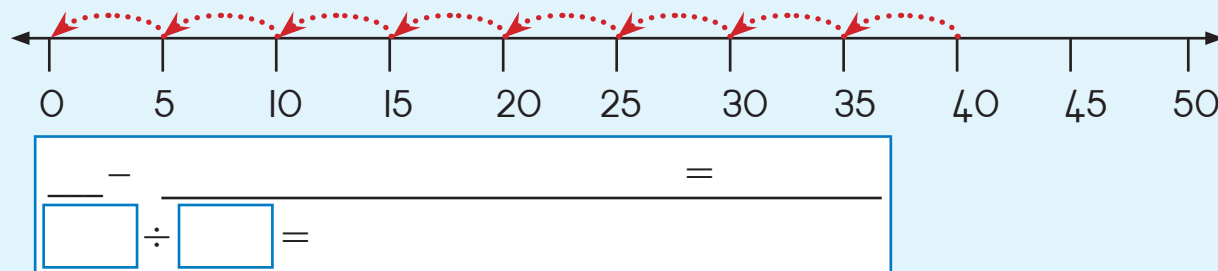
a.



b.



c.





Talani mutalombalo ni u saukanye.

a. $30 \div 5 =$



b. $22 \div 2 =$



c. $27 \div 3 =$



d. $32 \div 4 =$



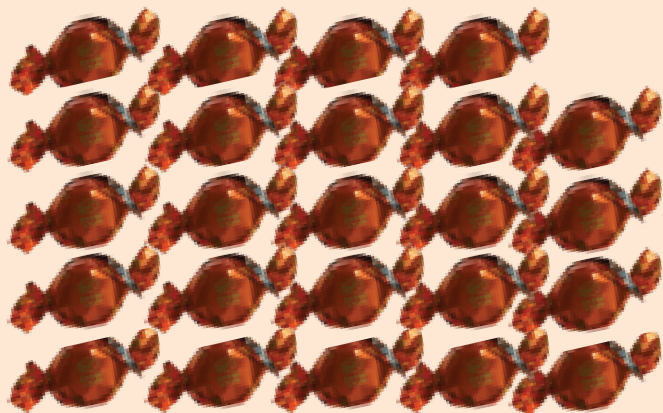
e. $25 \div 5 =$



Khaedu

Sumbedzani ndila dzothhe dzine
na nga kovhela vhana vha
zwigwadza zwo fhambananaho
malegere a 24 a tshi edana

Nwalani fhungombalo ni tshi
sumbedza phindulo.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

31

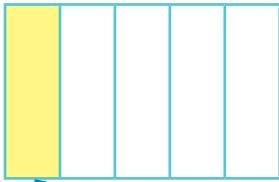
Deithi:

Furakhisheni (zwipida)

Themo ya I

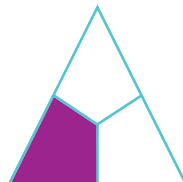


Livhanyani tshivhumbeo na furakhisheni.



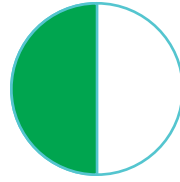
Tshararu

$$\frac{1}{3}$$



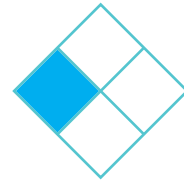
Tshatxhanu

$$\frac{1}{5}$$



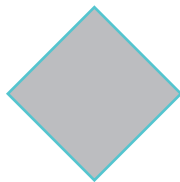
Kota nthihi

$$\frac{1}{4}$$



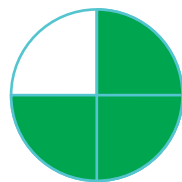
Hafu nthihi

$$\frac{1}{2}$$



Kota tharu

$$\frac{3}{4}$$



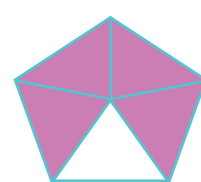
Tshainatxhanu

$$\frac{4}{5}$$



Nthihiyotxe

$$1$$



Tshambiliraru

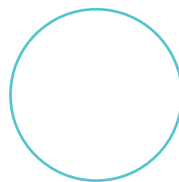
$$\frac{2}{3}$$

Kovhani ni khalare tshivhumbeo ni tshi sumbedza furakhisheni:



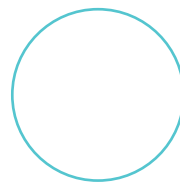
$$\frac{1}{2}$$

Hafu nthihi



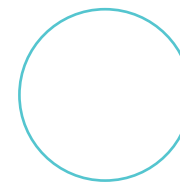
$$\frac{1}{3}$$

Tshararu



$$\frac{1}{4}$$

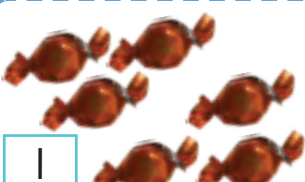
Kota nthihi



$$\frac{1}{5}$$

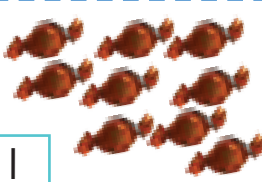
Tshatxhanu

Sumbedzani furakhisheni nga u tangedzela tshivhalo tshi re tshone tsha malegere:



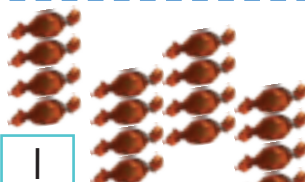
$$\frac{1}{2}$$

Hafu nthihi



$$\frac{1}{3}$$

Tshararu



$$\frac{1}{4}$$

Kota nthihi



$$\frac{1}{5}$$

Tshatxhanu

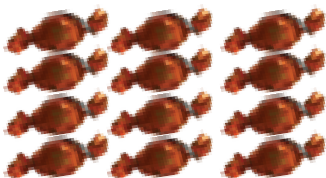
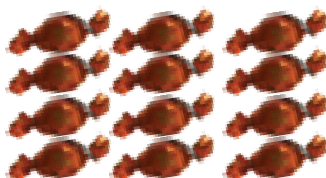


Kovhelani vhana vhavhili zwivhaleli.

<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>				
• Muṛwe na muṛwe washu o ṛewa zwivhaleli zwa 2 • 1/2 ya zwivhaleli zwa 4. zwivhaleli zwa 2.	• Muṛwe na muṛwe washu o ṛewa zwivhaleli zwa ____ • ____ ya zwivhaleli zwa ____ ndi ____.	• Muṛwe na muṛwe washu o ṛewa zwivhaleli zwa ____. • ____ ya zwivhaleli zwa ____ ndi ____.	• Muṛwe na muṛwe washu o ṛewa zwivhaleli zwa ____. • ____ ya zwivhaleli zwa ____ ndi ____.																
4 ÷ 2 = 2	____ ÷ ____ = ____	____ ÷ ____ = ____	____ ÷ ____ = ____																



Kovhelani vhana zwivhaleli.

 <table border="1" data-bbox="335 1490 703 1680"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>									 <table border="1" data-bbox="984 1490 1352 1680"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>						
															
															
• $\frac{1}{4}$ ya maḽegere = 3 • $\frac{2}{4}$ ya maḽegere = ____ • $\frac{3}{4}$ ya maḽegere = ____ • $\frac{4}{4}$ ya maḽegere = ____	• $\frac{1}{3}$ ya maḽegere = ____ • $\frac{2}{3}$ ya maḽegere = ____ • $\frac{3}{3}$ ya maḽegere = ____														





Ri mona sa watshi

Tshifhinga

Ri nga riwala tshifhinga tshithihi nga ndila dzo fhambanaho.

2:15 minete ya fumithanu u bva kha awara ya vuvhili	5:30 minete ya mahumi mararu u bva kha awara ya vhutano	9:45 minete ya mahumi manana na mitano u bva kha awara ya tshane

Nwalani izwi nga ndila dzo fhambanaho.

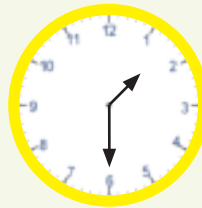


U ya hayani

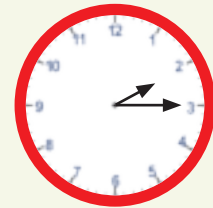
Zwi dzhiela Ben tshifhinga tshingafhani u swika hayani?

miminete

awara



Ben u takuwa tshikoloni.



Ben u swika hayani.



Tshifhinga nga 2 ...



Hu na ...

miminete mingana kha awara dza 2? _____

iri nngana kha maɖuvha a 2? _____

maɖuvha mangana kha vhege dza 2? _____

miɛwedzi mingana kha miɛwaha ya 2? _____



Dzi 27 dza Lambamai ndi ɖuvha la Mbofholowo.

Dzi 16 dza Fulwi ndi ɖuvha la Vhaswa.

a. U bva kha ɖuvha la Mbofholowo u ya kha ɖuvha la Vhaswa hu na miɛwedzi ya _____ yo fhelelaho, vhege dza _____ dzo fhelelaho na maɖuvha a _____ o fhelelaho.

b. Ndi vhege nngana dzo fhelelaho dzo tɛngana? _____

Ndi maɖuvha mangana o salaho? _____. Ndi maɖuvha mangana othe? _____.

c. ɖuvha la mabebo la Dovhani li swika kha maɖuvha a 7 musi ɖuvha la Mbofholowo li sa athu surika.

ɖuvha la mabebo la Musa li ɖa kha maɖuvha mavhili nga murahu ha ɖuvha la Vhaswa.

Ndi nnyi muhulwane? _____ Nga maɖuvha mangana? _____

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

Shundunhule						
M	L	L	L	L	M	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

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

Iolani. Vhambedzani.
Lulamisani.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Thagethe 200



U vhala nomboro

Vhalani ni ambe nomboro dzothe u bva kha 101 u swika kha 200. Sumbani ni tshi khou vhala.



101	102								
111									
121									
131									
								149	
			154						
				165					
		173							180
181					186				
						198		200	



U riwala nomboro

- Nwalani nomboro i no khou tshela tshibogisini tshirwe na tshirwe tsha lutombo.
- Nwalani dziwe nomboro dzothe.
- Nwalani nomboro dza 10 dzi no tevhela 200.

200; _____; _____; _____; _____; _____; _____; _____; _____; _____



Nwalani nomboro dzi no khou tshela

a.

200		180			
					110
50					
					0

b.

87		107	
167			
		207	
			237



Fhedzisani

200	+	30	+	5	=	235
200	+	40	+	7	=	
200	+	60	+	8	=	
	+		+		=	293
	+		+		=	256

Nwalani nomboro idzi dzi tshi tou
tevhekana u bva kha tshukhusa u
ya kha khulwanesa.



U vhala u bva kha 100

Wanani uri ni tea u vha na mini u itela u swika kha nomboro i no tevhela.

Thomani

100	→	+ 25	→	125	→		→	129	→		→	138
-----	---	------	---	-----	---	--	---	-----	---	--	---	-----

Gumani

168	←		←	157	←		←	151	←		←	145
-----	---	--	---	-----	---	--	---	-----	---	--	---	-----



Teacher: _____

Sign: _____

Date: _____

U shuma na zwigwada zwa nomboro



U paka makhandela

Vho Mankosi vha shuma limagani la makhandela.
Musi makhandela o no luga, vha a paka mabogisini a re kha dzi shelefu.



Hu na makhandela mangana bogisini liniwe na liniwe? _____

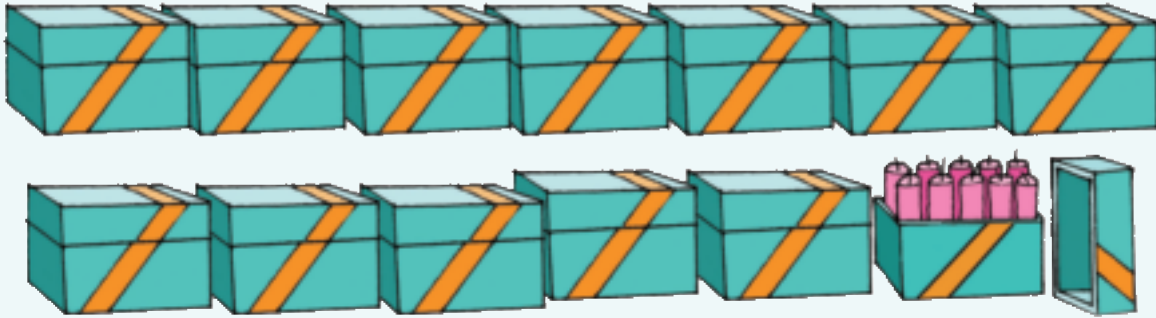
Hu na mabogisi mangana kha shelefu inwe na inwe? _____

Hu na makhandela manga kha shelefu inwe na inwe? _____



Mabogisi a makhandela

Vho Mankosi vha vala mabogisi .



a. Vhalani mabogisi othe

Hu na mabogisi mangana? _____

Hu na makhandela mangana o tanga othe? _____

Ndi mabogisi mangana manwe ane vha tea u a dadza u itela uri vha vhe na makhandela a 200 ? _____

b. Hu na makhandela mangana:

Mabogisini a 2? _____ 	Mabogisini a 4? _____ 
Mabogisini a 5? _____ 	Mabogisini a 3? _____ 
Mabogisini a 6? _____ 	Mabogisini a 7? _____ 

c. Vha toda mabogisi mangana:

Mabogisi a 40 	Mabogisi a 70 
Mabogisi a 50 	Mabogisi a 30 



35a

U vhea mahumi fhethu huthihi
na u a fhandekanya

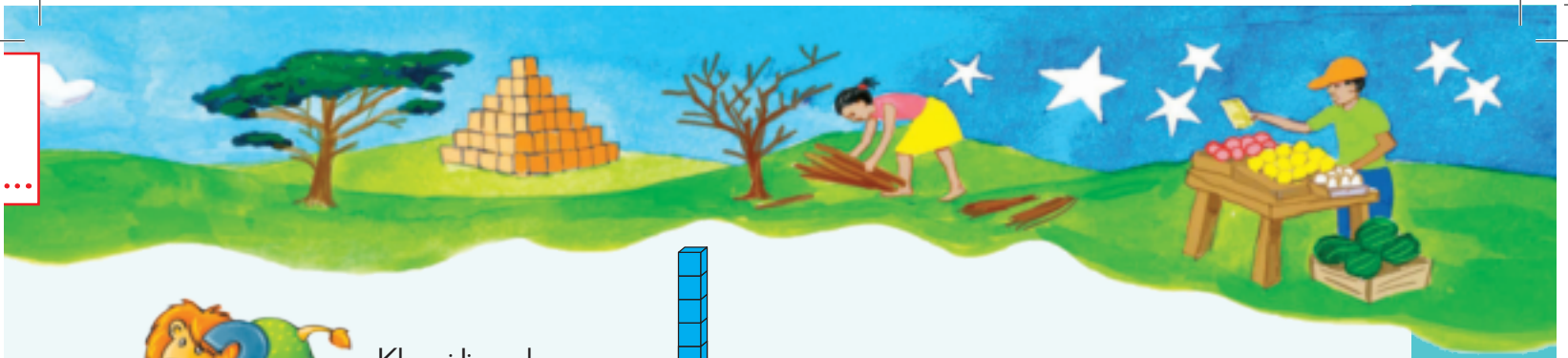
Themo ya 2



U vhea mahumi fhethu huthihi musi ri tshi t̃anganya kha 999

Kha ri t̃anganye $56 + 73 =$		+	
	mahumi a 5 na yuniti dza 6		mahumi a 7 na yuniti 3

100	10	1
Zwo t̃angana ri na yuniti dza 12. Ri nga vhea mahumi a 10 fhethu huthihi uri a ite d̃ana la 1.		



Kha ri lingedze

Tsumbo: $82 + 34$



kana



$$100 + 20 + 6 = 126$$

a. $65 + 52$

b. $76 + 63$

c. $86 + 65$



Teacher:
Sign:
Date:

35b

Deithi:

Themo ya 2



U vhea zwigwada fhethu huthihi

U shumisa zwiḅuloko zwanu zwa vhuimo ha nomboro.

U vhea mahumi fhethu huthihi na u a fhandekanya (dzi iswa phanda)

Shumisani zwiḅuloko zwa mutoo wa mahumi kha u sika nomboro idzi mbili.	Ndi mahumi mangana o t̃angana othe? ndi yuniti nngana?	No vhea nga zwigwada mahumi kana yuniti naa? T̃olani vhuimo ha nomboro he na vhu vhea nga zwigwada.	Nwalani nomboro.
$23 + 99 =$	mahumi a ____ yuniti dza ____	Mahumi a II + Yuniti dza I2 $= 110 + 12$	122
$38 + 25 =$	mahumi a ____ yuniti dza ____		
$77 + 31 =$	mahumi a ____ yuniti dza ____		
$68 + 45 =$	mahumi a ____ yuniti dza ____		
$83 + 47 =$	mahumi a ____ yuniti dza ____		



U fhandekanya mahumi musi ri tshi t̃usa

Musi ri tshi t̃usa, tshinwe tshifhinga ri tea u sumbedza fumi nthihi sa yuniti dza fumi, kana dana lithihi sa mahumi a 10.

Kha ri t̃use: $60 - 55 =$

Ri thoma nga mahumi a rathi na thihhi nthihi. Ri khou t̃odou t̃usa mahumi mat̃anu na thihhi t̃hanu.
(Zwine ra t̃usa ro zwi khalara nga muvhala muset̃ha)

Ri nga sumbedza mahumi a rathi nga hei ndila.	Kana sa mahumi mat̃anu na yuniti dza fumi	T̃usani mahumi mat̃anu na yuniti t̃hanu. Ho sala yuniti t̃hanu.	
		$60 - 55 = 5$	



Kha ri edzise

a. $70 - 28$

mahumi a 7	mahumi a 6 na yuniti dza 10	$70 - 28 =$	

b. $90 - 46$

c. $80 - 53$



U wana phere ya nomboro

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	





U ya ha dokotela wa maṇo

Tshigwada tsha vhana tshi dalela dokotela wa maṇo.



Vhana vha mu ṭalutshedza.



hezwi = lwa l

	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓									

a. Vhalani dzithiki (✓) dzi no sumbedza uri vhana vha ṭamba maṇo lungana. Nṱwalani nomboro.

 Luthihi nga ḍuvha	
 Luvhili nga ḍuvha	
 Luraru nga ḍuvha	

b. Ni nga ṭalutshedza zwifhio?

Vhunzhi ha vhana vha ṭamba maṇo _____ nga ḍuvha.

Hu na vhana vha _____ kha tshigwada.



Olani phikhitogirafu i no sumbedza uri vhana vha tamba mano lungana nga duvha.

 = |wa|



Itani tshodisiso kilasini yanu. Vhudzisani vhagudi vha 15 – 20.

- Vha tamba mano lungana nga duvha? _____
- Olani girafu ya zwifanyiso i no fana na i re af'ho ntsha ni tshi sumbedza zwe na wana.

Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

37a

Deithi:

Themo ya 2

Tanganyani na u badekanya



U riwala ṭhanganyelo yaṅu

Malindi u kona u ṭanganya **yuniti** na **mahumi** a dzi vhea nga zwigwada. A nga ṭanganya na u ṭusa kha bammbiri, hu si na zwibuloko. Tshinwe tshifhinga u takalela u thoma nga magaraṭa a nomboro awe u sumbedza nomboro.

Zwenezwo kha ṭhanganyelo $56 + 73$, u wana magaraṭa haya:

$$\begin{array}{|c|c|c|} \hline 5 & 0 & 6 \\ \hline \end{array} + \begin{array}{|c|c|c|} \hline 7 & 0 & 3 \\ \hline \end{array}$$

U ṭanganya l a vhea fhasi garaṭa.

U a divha uri: $50 + 70 = 120$.

U doba garaṭa ḷa **madana**, na ḷa 20 na ḷa 9 a u ita nomboro ya didzhiti dza 3.

9

$$\begin{array}{|c|c|c|} \hline 1 & 0 & 0 \\ \hline \end{array} \begin{array}{|c|c|} \hline 2 & 0 \\ \hline \end{array} \begin{array}{|c|} \hline 9 \\ \hline \end{array}$$

U i riwala nga hei ṅdila:

$$\begin{aligned} &50 + 70 + 6 + 3 \\ &= 50 + 70 + 9 \\ &= 120 + 9 \\ &= 100 + 20 + 9 \\ &= 129 \end{aligned}$$

Dumi u a ṭalukanya uri zwibuloko zwi shuma nga ṅdilade. U shuma $56 + 73$ nga hei ṅdila:

$$\begin{array}{r} 50 + 6 + 70 + 3 \\ \hline 120 + 9 \\ \hline = 129 \end{array}$$



Aakar u pfana na u sendedza tsini. U zwi ita nga hei ṅdila:

$$\begin{aligned} &56 + 73 \\ &= 50 + 70 + 10 - 1 \\ &= 130 - 1 = 129 \end{aligned}$$





Zwino inwi edzisani. Shumani inwe na inwe nga ndila mbili.

a. $86 + 62$

Ndila (kushumele) ya Malindi

$$80 + 60 + 6 + 2$$



Ndila (kushumele) ya Dumi

$$80 + 6 + 60 + 2$$



b. $72 + 63$

c. $81 + 57$

d. $69 + 71$

Shumisani ngona ya Aakar kha u shuma heyi mbalo.



Teacher:
Sign:
Date:

37b

Deithi:

Themo ya 2



Tanganyani na u badekanya (hu iswa phanda)

Zwino kha ri tuse.

a. $87 - 53$

Ndila ya Malindi

$$\begin{aligned} 80 - 50 + 7 - 3 \\ = 30 + 4 \\ = 34 \end{aligned}$$



Ndila ya Dumi

$$\begin{aligned} 80 + 7 - 50 + 3 \\ = 30 + 4 \\ = 34 \end{aligned}$$



b. $95 - 73$

c. $86 - 62$

d. $85 - 69$



Thasululani!

Hu na ndila nnzhi dza u ṭanganya **yuniti** na **mahumi**. Nangani ndila ine na i divha na u i takalela ya u thasulula mbalo (thaidzo) idzi. Sumbedzani kushumele kwanu.

- a. Ndalamo u thoma nga u fula maberegisi a 34 a tevhela nga maberegisi a 67.

Hu na maberegisi mangana o ṭangana o ṭhe?



- b. Vhana vha ha Mualusi vho ṭangana vho vhulunga R47.

Mme avho vha vha engedza nga R55. Vha na vhugai zwino?



- c. Bisi ya vhana vha tshikolo i tshimbila lwendo lwa 88 km nga matsheloni na 73 km nga masiari.

Ndi km nngana dzo ṭangana dzo ṭhe?



I tandululeni!



Zwithivho zwa mabodelo

Shumisani ngila inwe na inwe ine na funa.
Sumbedzani mushumo wanu.



Sipho



Andile

Sipho u vhala zwithivho zwa 87 zwa mabodelo. Andile u vhala zwa 94.

Zwithivho zwa mabodelo zwine Sipho a zwi vhala zwi fhira zwa Andile nga zwingana?



Khontsati ya tshikolo



Musa



Mulalo u rengisa thikhithi. O thoma e na thikhithi dza 92. O sala na dza 67.

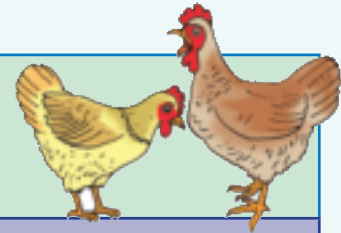
U swika zwino Musa o rengisa thikhithi nngana?



Ndowendowe dziñwe



Hu na zwiukwana zwa 69 hokoni nthihi na zwa 95 kha inwe.
Hu na khuhu nngana dzo t̃angana dzo t̃he?
Vhalani uri Gugu na Aakar vho tandululisa hani thaidzo.



Ndila ya Gugu

$$\begin{aligned} &60 + 90 + 9 + 5 \\ &= 100 + 50 + 14 \\ &= 150 + 10 + 4 \\ &= 164 \end{aligned}$$



Ndila ya Aakar

$$\begin{aligned} &69 + 95 \\ &= 70 + 95 - 1 \\ &= 70 + 90 + 5 - 1 \\ &= 160 + 4 \\ &= 164 \end{aligned}$$

Ndi a t̃usa. Ni a divha
uri ndi ngani?



- a. Vhatukana vha kuvhanganya R96 ya lwendo lwa kilasi. Vhasidzana vha kuvhanganya R79. Vha kuvhanganya vhugai yo t̃angana yo t̃he?

Shumisani ndila ya Gugu

Shumisani ndila ya Aakar

- b. Tshikolo tshithihi tshi kuvhanganya 76 kg dza zwiok̃ikot̃i. Tshiñwe tshikolo tsha kuvhanganya 68 kg dza zwiok̃ikot̃i. Ndi kg nngana dza zwiok̃ikot̃i dzine zwiokolo zwiwili zwa kuvhanganya dzo t̃angana dzo t̃he??

Shumisani ndila ya Gugu

Shumisani ndila ya Aakar



U vhala na u vhalela



U wana tshipida

Nwalani nomboro dzi no khou tshela.

a.	100 27	b.	100 39	c.	100 43	d.	100 56
e.	200 140	f.	200 110	g.	200 135	h.	200 120

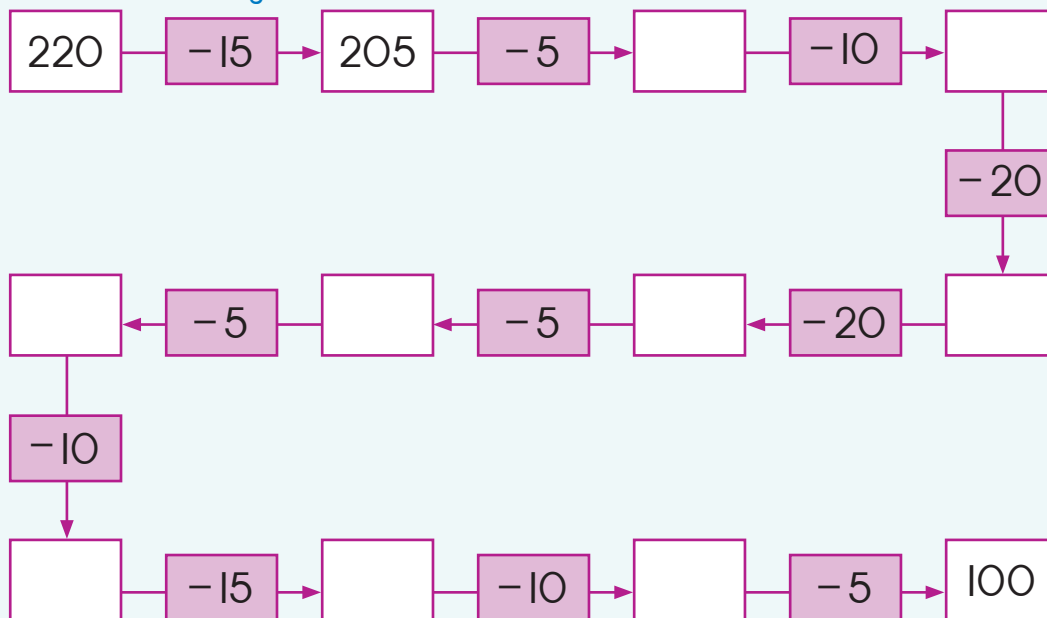


U bva 220 u ya kha 100

Tevhelani misevhe.

Dadzani tshibogini tshinwe na tshinwe tsha phindulo nga nomboro ine na i wana musi no no tusa nomboro i re tshibogisini tsha pinki.

Ro dzula ro ni itela ya u thoma.



Ngila ya u tola
phindulo dzaṅu
khei.

Thomani kha
100. Shumani ni
tshi ya murahu
kha 220.

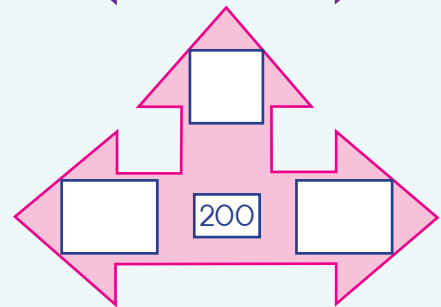
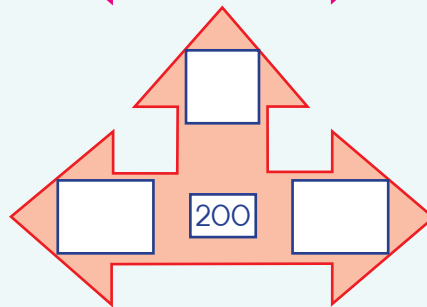
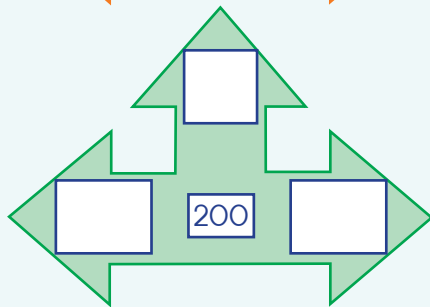
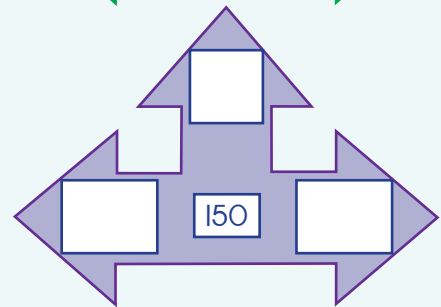
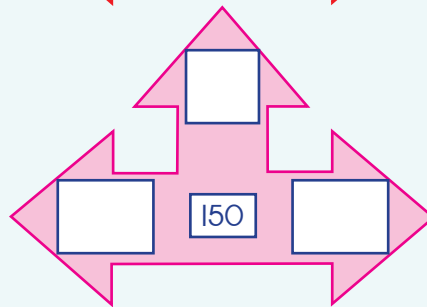
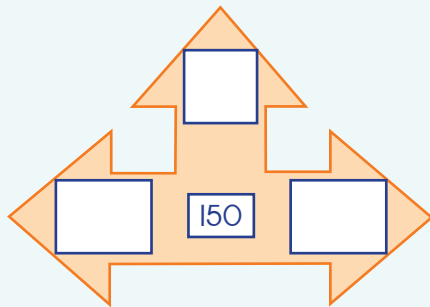
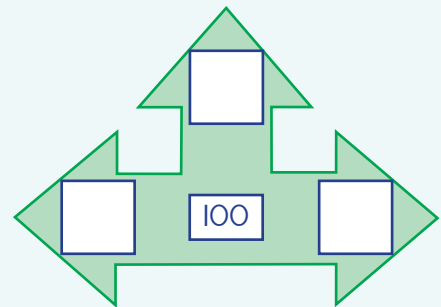
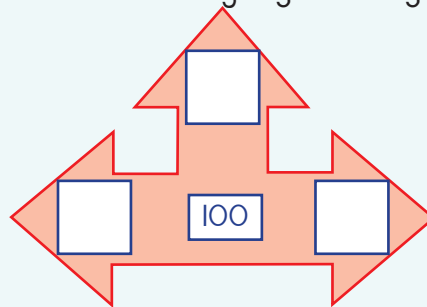
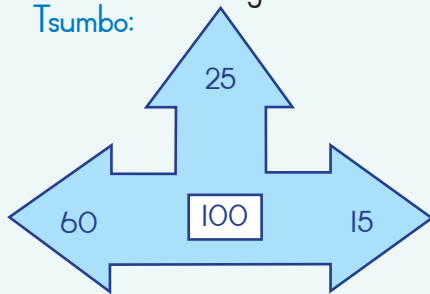
Fhedzi zwino,
tṱanganyani
nomboro.



Miṭa ya vhararu

Wanani nomboro dza 3 dzi no vhumba nomboro ya thagethe.
Mulayo: Ndi nomboro nthihi fhedzi ine ya nga fhela nga O.

Tsumbo:



U fhira nga 50 na u vha fhasi nga 50

Nwalani phindulo kha rou ya 2.

+50	70	125	150	81	96	122	134	111	70
	120								
-50	186	200	158	179	139	79	126	138	99
	136								



Teacher: _____
Sign: _____
Date: _____

U ela nga dzisenthimitha



Senthimitha yo lapfa lungafhani?



Nomboro dzi re kha ruḽa dzo imela dzisenthimitha.

Ri shumisa abiriviesheni kana tshiga cm.

Musi ni tshi shumisa ruḽa, ni tea u thoma u ela u bva kha O.

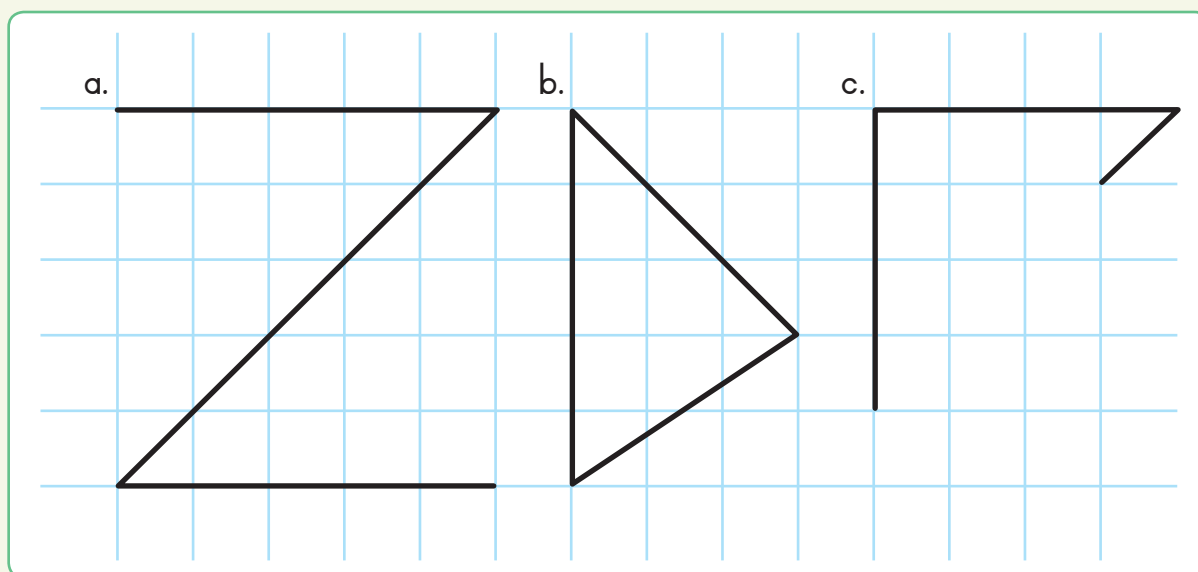
Dziṛwe ruḽa a dzi sumbedzi O u fana na iyi i re kha siatari ili.

Wanani zero cm kha ruḽa. Nwalani O kha ruḽa.

IO cm i wanala ngafhi kha ruḽa? Nwalani IO henefho.



Anganyani, ni kone u pima nga ngona nga ruḽa yaṇu, tḥanganyelo ya vhulapfu ha mitaladzi iyi nga cm.



a. Anganyani cm	b. Anganyani cm	c. Anganyani cm
Pimani (Elani) cm	Pimani (Elani) cm	Pimani (Elani) cm



Mutalo muñwe na muñwe wo lapfa lungafhani?

Mutalo muñwe na muñwe wo lapfa cm nngana?

Shumisani munwe wangu uri u ni thuse kha u dzhia tsheo.

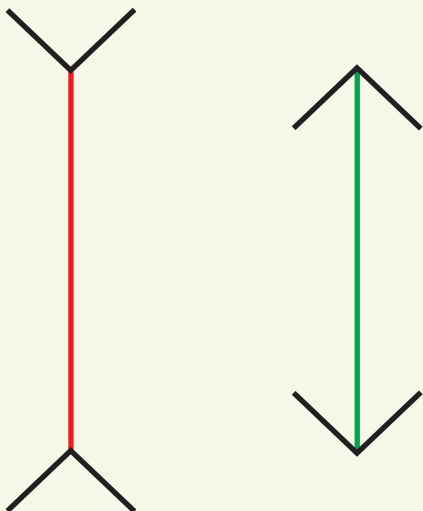
a. _____ cm	d. cm
b. _____ cm	e. _____ cm
c. _____ cm	f. _____ cm



Ni na vhuṭanzi naa?

Ndi tshifhio tshi re tshilapfu, mutalo mutswuku kana mutalo mudala naa?

Ni nga zwi ṭola hani?



Izwi ndi zwine zwa vhidzwa u pfi vhuṭolo ha maṭo. Zwi ambiwa musi maṭo aṇu o itwa uri a vhone tshithu tshi siho. Mitalo mivhili i na vhulapfu hu no eḡana. Mitalo mitswu i no khou ṭoṭomotshela nḡa i ita uri mutalo mutswuku u vhonele u mulapfu ngeno mitalo mitswu i no khou ṭoṭomotshela ngomu i tshi ita uri mutalo dala u vhonele u mupfufhi.



Teacher: _____
Sign: _____
Date: _____

41

Thagethe 300



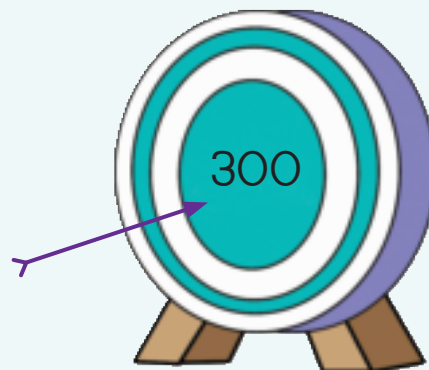
Vhalani ni n'wale 200

Vhalani u bva kha 201 u swika kha 300.

Sumbani ni tshi khou ralo u vhala.

Ni kone u thoma nga u dzhenisa nomboro af'ho zwibogisini zwa muvhala wa lutombo.

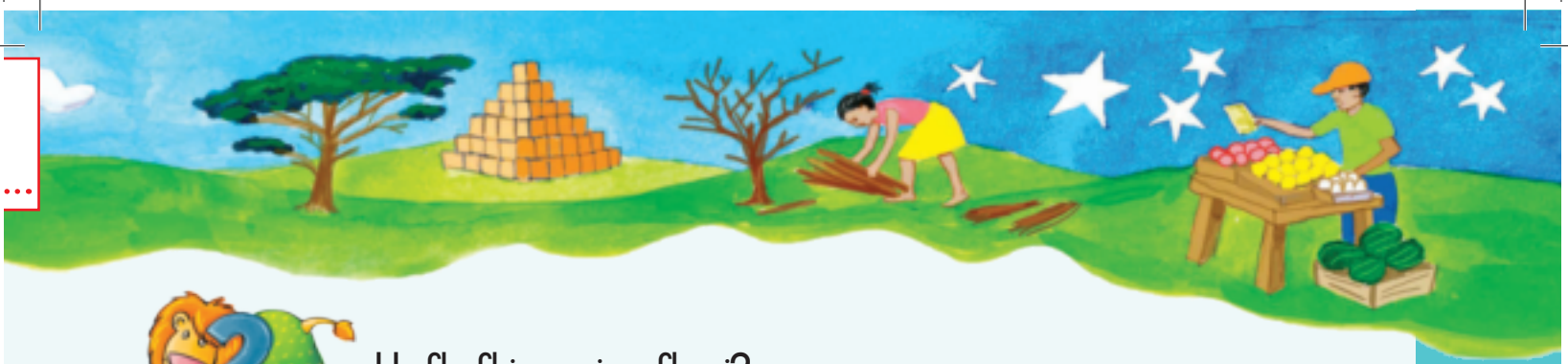
N'walani nomboro dziñwe dzothe.



201						207			210
211									
221									
231									
								249	
			254						
				265					
		273							280
281					286				
							298		300

N'walani nomboro dza 10 dzi no tevhela 300.

300; _____; _____; _____; _____; _____; _____; _____; _____; _____



Hu fhufhiwa zwingafhani?

301		281					
		171				211	
					101		



U sumbedza na u vhambedza

a. Nwalani nomboro dzine dza dzhena kha garaṭa inwe na inwe.

298;	208;	301;	276;	227;	269;	311
200						
90						
8						

b. Nwalani nomboro idzi dzi tshi tou tevhekana u bva kha tshukhusa u ya kha khulwanesa.

_____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____



Tshanduko ndi ifhio? Nwalani nomboro dzi no khou tshahela.

Thomani

200	+25	225		237		249

Gumani

300		286		278		261



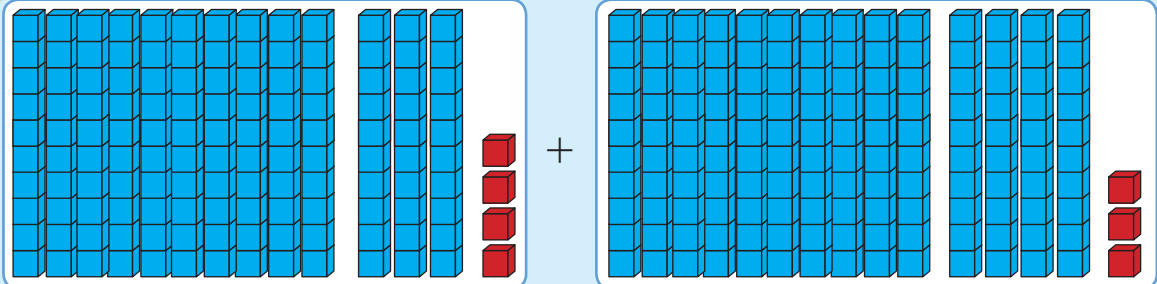
Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

U t̃anganya na u t̃usa nga dzilOO



U shumisa zwibuloko kha u t̃anganya



$$\begin{array}{r}
 100 \quad 30 \quad 4 \\
 + \quad 100 \quad 40 \quad 3 \\
 \hline
 = 200 \quad 70 \quad 7 \\
 = 277
 \end{array}$$



Tevhedzani ngona mbili. Sumbedzani phindulo inwe na inwe nga ngila mbili.

a. $132 + 123$

Ngila ya Malindi

$$\begin{aligned}
 &= 100 + 100 + 30 + 20 + 2 + 3 \\
 &= 200 + 50 + 5 \\
 &= 255
 \end{aligned}$$

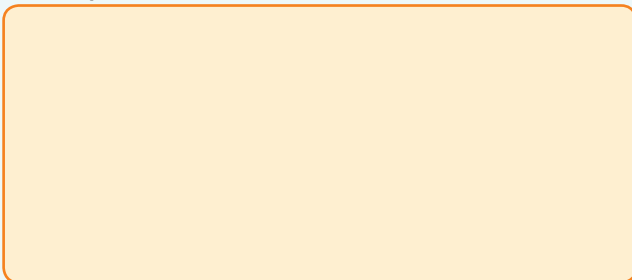


Ngila ya Dumi

$$\begin{aligned}
 &132 + 123 \\
 &= 200 + 50 + 5 \\
 &= 255
 \end{aligned}$$



b. $114 + 162$





c. $276 + 148$



Lavhelesani ngila dza avha vhathu ni tuse.

a. $158 - 146$

Ngila ya Malindi

$$\begin{aligned} &= 100 - 100 + 50 - 40 + 8 - 6 \\ &= 0 + 10 + 2 \\ &= 12 \end{aligned}$$



Ngila ya Dumi

$$\begin{aligned} &158 - 146 \\ &= 0 + 10 + 2 \\ &= 12 \end{aligned}$$



b. $194 - 122$

c. $288 - 199$



Teacher:
Sign:
Date:

43

Themo ya 2

Thagethe ya 400

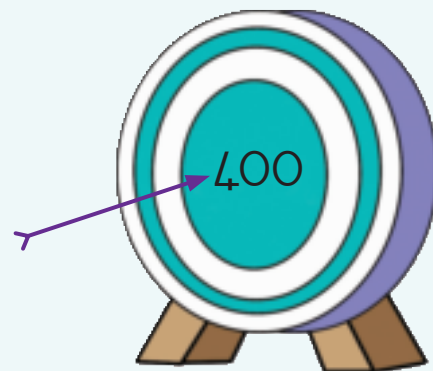


U vhala na u ñwala dzi 400

U vhala u bva kha 300 u swika kha 400.

Bulani nomboro ni tshi khou ralo u vhala.

Ñwalani nomboro dzi no khou tshela kha giridi.



301									310
				315					
									330
331				335					
								249	
				365			368		
		273							
									390
									400

Ñwalani nomboro dza 9 dzi no tevhela 400.

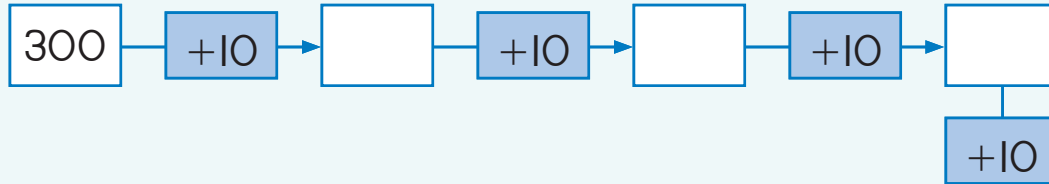
400; _____; _____; _____; _____; _____; _____; _____; _____; _____;



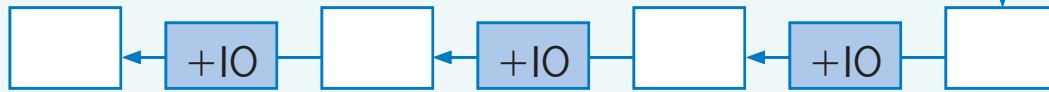
Tshanduko ndi ifhio?

a. U vhalani ri tshi ya phanda u bva kha 300

Thomani

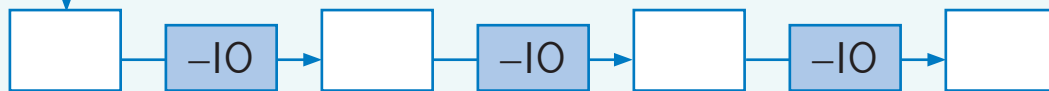
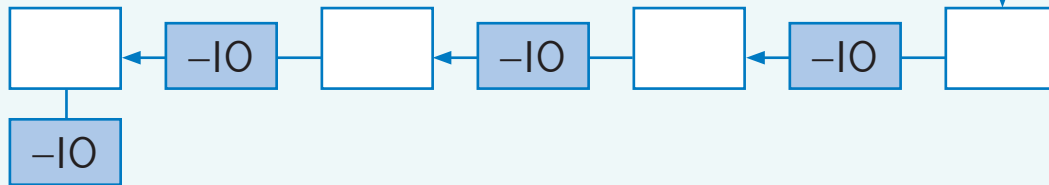
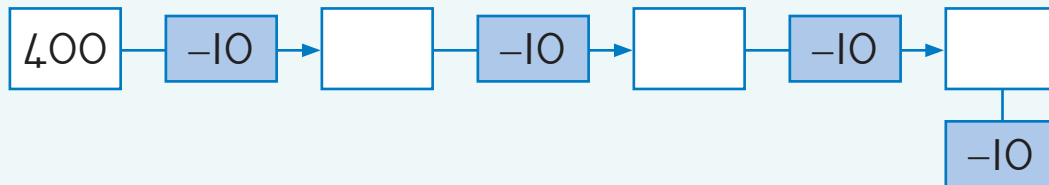


Gumani



b. Vhalani u bva kha 300

Thomani



Gumani



Nwalani sa nomboro nthihi.

$$300 + 20 + 4 = \underline{\hspace{2cm}}$$

$$300 + 50 + 3 = \underline{\hspace{2cm}}$$

$$300 + 60 + 2 = \underline{\hspace{2cm}}$$

$$300 + 80 + 1 = \underline{\hspace{2cm}}$$

$$300 + 10 + 5 = \underline{\hspace{2cm}}$$

$$300 + 70 + 7 = \underline{\hspace{2cm}}$$

$$300 + 90 + 9 = \underline{\hspace{2cm}}$$

$$300 + 40 + 8 = \underline{\hspace{2cm}}$$

Nwalani nomboro idzi dzi tshi tou tevhekana u bva kha tshukhusa u ya kha khulwanesa.



Deithi:

44

Themo ya 2

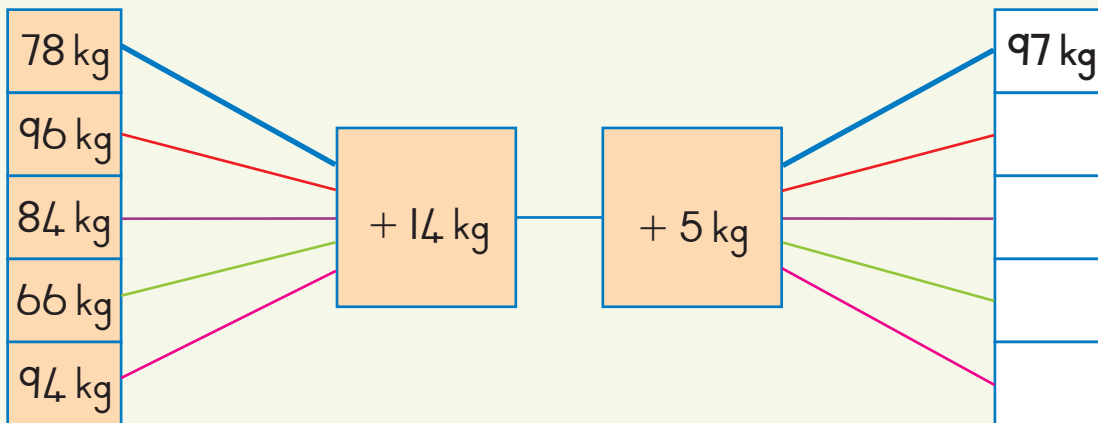
U kala



Nomboro ya tshipentshela

Tanganyani na u riwala phindulo.

Ndi a zwi givha uri nomboro ya tshipentshela ndi ifhio! Inwi?



Sendedzani tsini ni tanganye!

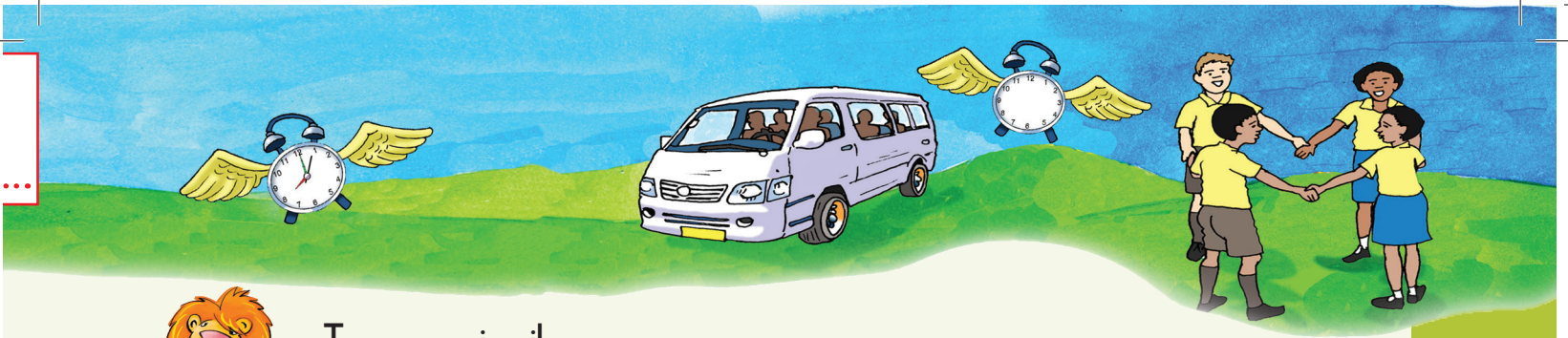
Humbulani nga vhuṭali!

Phunguhwe kg dza 25	Tshibode kg dza 98	Pfene kg dza 59	Mbidana kg dza 88	Pheḽikheni kg dza 9

Sendedzani tsini tshileme tsha tshipuka tshinwe na tshinwe tshi de kha 10 kg ya tsinisa.

Nwalani tshileme tsha tshipuka tshinwe na tshinwe tshi tevhekana nga ngona u thoma kha tshi no leluwa u ya kha tshi no lemela.

Anganyani tshilemegute tsha zwipuka zwa 5.



Tanganyani zwileme zwazwo



Ndi nga di vha ndi sa lemeli u fana na inwi. Ndi tshibode tsha kale, fhedzi ndi na vhuṭanzi uri ndi na luvhilo!



Maga

- Shumisani zwivhalo zwanu zwo sendedzwaho tsini.
- Anganyelani tshileme tsha tshipuka tshirwe na tshirwe kha rou inwe na inwe.
- Vhalelani ṭhanganyelo.
- Vhambedzani ṭhanganyelo mbili ni riwale phambano.

	Ndi a anganyela	Ndi a vhalela	Phambano
 + 			
 +  + 			
 +  + 			



Tshileme tsha Vusi

Tolani. Vhambedzani. Lulamisani.

Vusi u tanganyisa tshileme tshawe na tshileme tsha  na tsha .

Ṭhanganyelo ya tshileme tshavho ndi **kg dza 239**. Vusi u lemela zwingafhani? Sumbadzani phindulo yanu.



Tshileme tshanga ndi tshingafhani?

Tambani kha tshigwada. Sielisanani ...

Tanganyisani tshileme tshanu na tshileme tsha zwiṛwe zwa zwipuka. Shumani ṭhanganyelo. Vhudzani phindulo tshigwada. Ni songo vha sumbedza mushumo wanu! Vha tea u lingedza u shuma tshileme tshanu.

Teacher:

Sign:

Date:

45

Deithi:

Themo ya 2

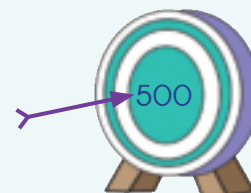


Thagethe 500

U vhala na u riwala

400

401				405					410
411									420
	422					427			
			434						
					446				
							458		
	462								470
		473				477			
481									490
							499	500	



- Vhalani u bva kha 400. Bulani nomboro ni tshi khou ralo u vhala.
- Nwalani nomboro dzo tshelaho afho kha giridi.
- Nwalani nomboro dza 9 dzi no tevhela 500.

500; _____; _____; _____; _____; _____; _____; _____; _____

- Vhalani nga 2. Nwalani nomboro dza 8 dzi tevhelaho nga phetheni ya 2.

400; 402; _____; _____; _____; _____; _____; _____; _____

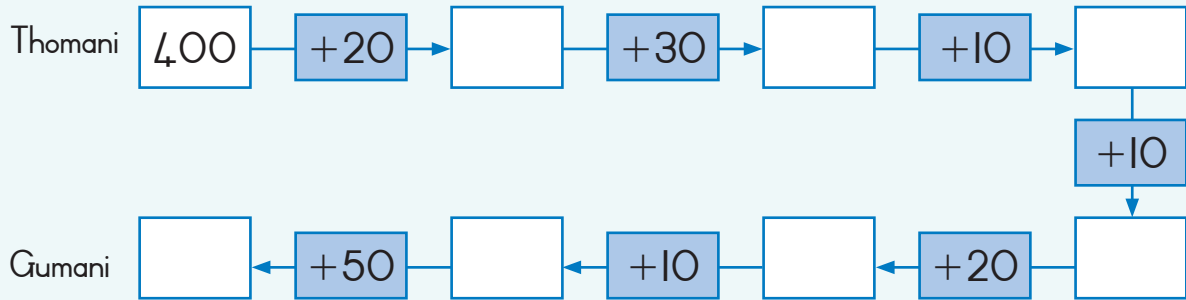
- Vhalani nga 5. Nwalani nomboro dza 8 dzi tevhelaho nga phetheni ya 5.

400; 405; _____; _____; _____; _____; _____; _____; _____

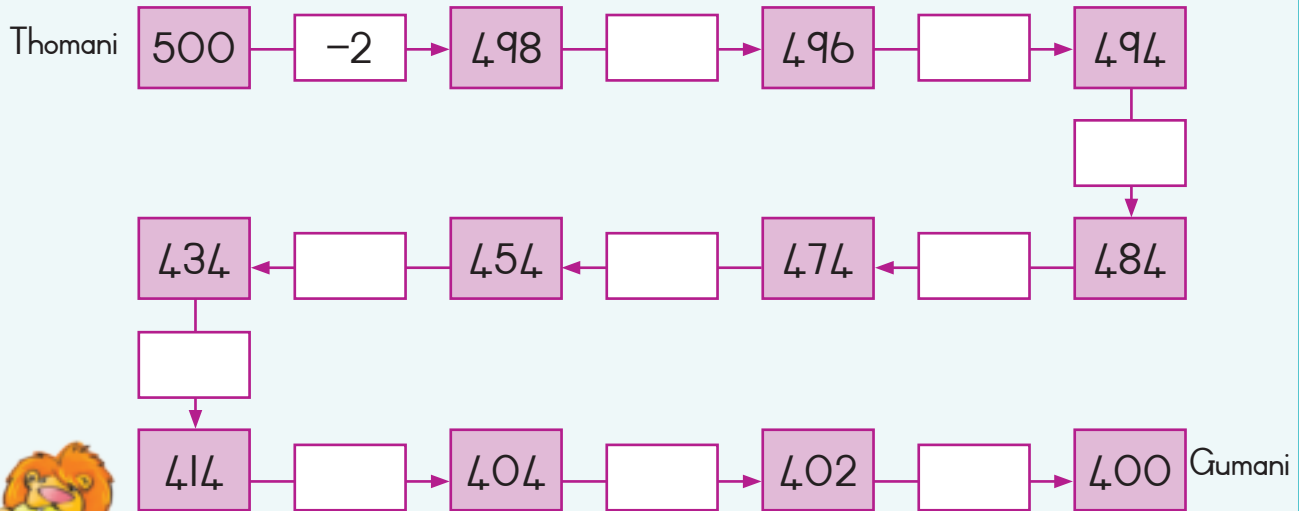


Tshanduko ndi ifhio?

a. Vhalani ni tshi ya murahu u bva kha 400.



b. Vhalani ni tshi ya murahu u bva kha 500.

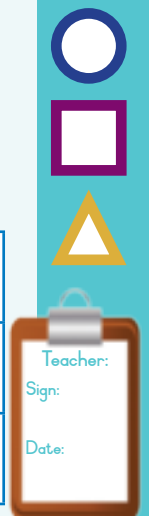


U sumbedza nomboro. Tevhedzani tsumbo.

Wanani tshanganyelo ya nomboro idzi. Shumisani garaṭa dza nomboro ni tshi sumbedza tshanganyelo inwe na inwe.

$405 + 10$	415	$400 + 10 + 5$
$446 + 10$		
$455 + 10$		

$398 + 10$		
$424 + 10$		
$460 + 20$		



Mutanganyo na mutuso

Ni vbona mini?

2 0 0

5 0

4

2 0 0

3 0

5

4 0 0

8 0

9

4 8 9



Ri khou ya u shumisa ndila ya Malindi na ya Dumi hafhu kha u tanganya.

a. $245 + 231$

Ndila ya Malindi

$$= 200 + 200 + 40 + 30 + 1$$

$$= 400 + 70 + 1$$

$$= 471$$



Ndila ya Dumi

$$245 + 231$$

$$= 400 + 70 + 6$$

$$= 471$$



b. $278 + 136$

c. $265 + 148$



Ri khou ya u shumisa ngila ya Malindi na ya Dumi hafhu kha u tusa.

a. $476 - 324$

Ngila ya Malindi

$$\begin{aligned} &= 400 - 300 + 70 - 20 + 6 - 4 \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$



Ngila ya Dumi

$$\begin{aligned} &476 - 324 \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$

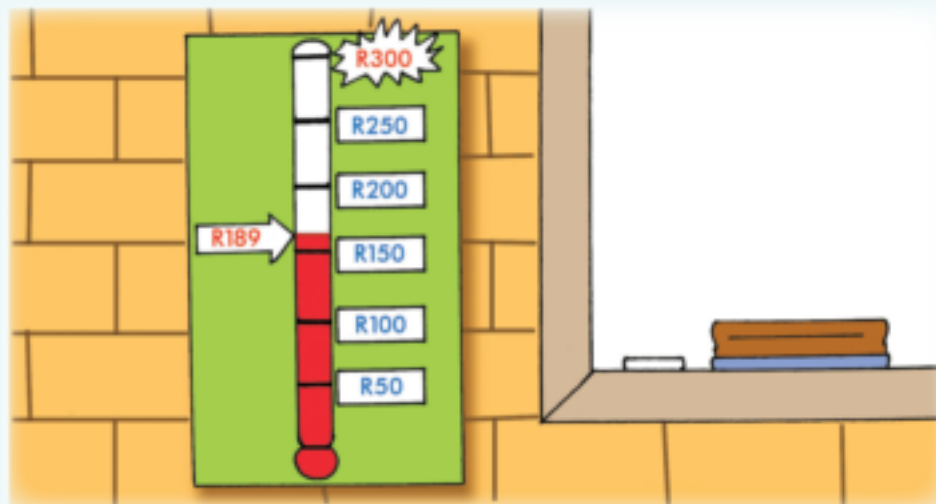


b. $489 - 456$

c. $482 - 161$



Ro swika kha thagethe



Lavhelesani tshifanyiso.

Hu tōdea zwingana u itela u swika kha thagethe?

R

47

Phetheni hothehothe

Themo ya 2



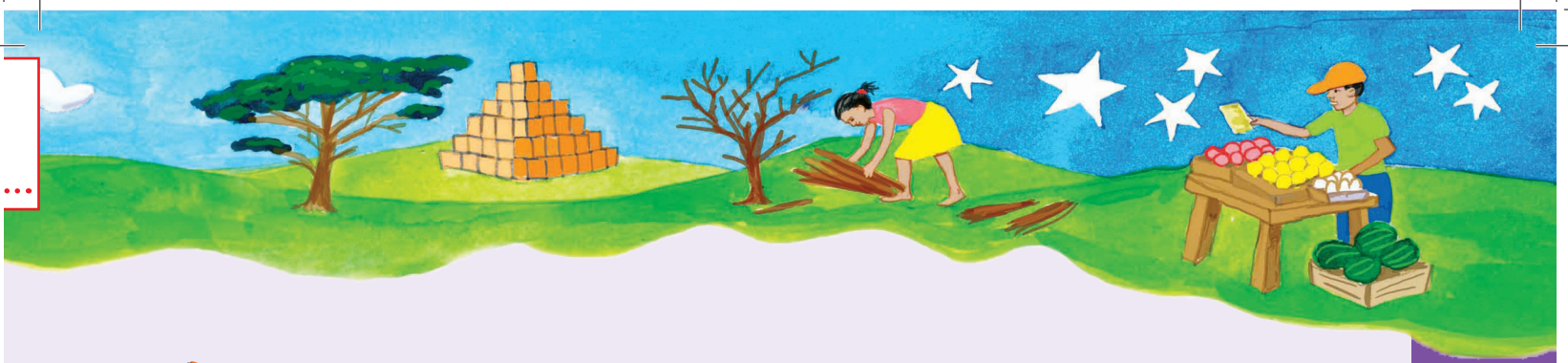
Thavha ya tshiphiri

Dzina la thavha khulwanesa Gauteng ndi lifhio? Shumisani khoudu kha u li wana. Livhanyani phindulo inwe na inwe i re kha thebulu na ledere li re kha khoudu.

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

Tshivhalo tsha vhusevhedi	Phindulo	Ledere
Tsumbo: $2 \times 3 \times 3 \times 1 = \square$	18	R
$50 + 50 + 50 + 100 - 200 - 45 = \square$		
$1 + 2 + 7 + 10 + 7 + 1 - 14 = \square$		
$60 - 30 + 50 + 20 - 50 - 15 - 20 = \square$		
$3 + 2 + 7 + 1 + 2 + 1 + 3 = \square$		
$5 + 3 + 30 = 4 + 2 + 12 + \square$		
$100 - 5 - 70 = 20 + \square$		
$36 + 44 - 60 - 22 = \square$		
$10 + 15 = 14 + \square$		
$2 + 1 + 14 + 9 + 14 = 25 + \square$		
$1 \times 2 \times 2 \times 2 \times 2 = \square$		

Dzina la thavha ndi



Lavhelesani, ni humbule, ni f'hindule!

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

- a. Nomboro ya 16 i do dzhia tshivhumbeo tshif'hio? Swayani (✓) kha tsho teaho. * ● ☾
- Nomboro ya 18 i do dzhia tshivhumbeo tshif'hio? Swayani (✓) kha tsho teaho. * ● ☾
- Nomboro ya 23 i do dzhia tshivhumbeo tshif'hio? Swayani (✓) kha tsho teaho. * ● ☾

- b. Nomboro 50 i do vha *. Ndi zwone kana a si zwone?
- Nomboro 100 i do vha ●. Ndi zwone kana a si zwone?
- Nomboro 28 i do vha ☾. Ndi zwone kana a si zwone?



Sedzulusani. Vhambudzani. Lulamisani

Ndi zwif'hio zwi re zwinzhi?

U wana tshede ya u la ya R2,50 nga duvha nga Fulwi na Fulwana.

Kana u wana R150 nga dzil dza Thangule.

Sumbudzani uri no zwi wanisa hani.

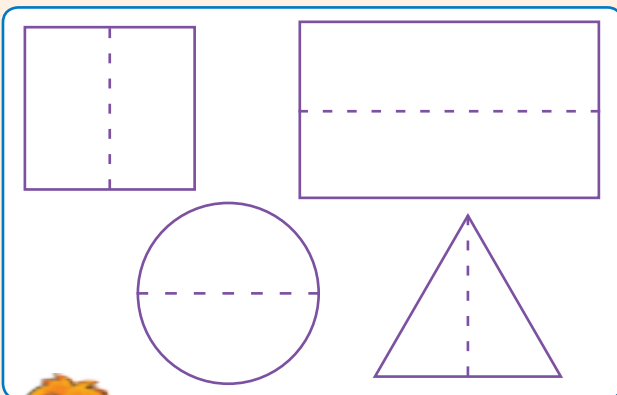


Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Simethiri (ndinganahuvhili)

Ni zwifhio zwine na zwi vhona kha zwivhumbeo izwi?



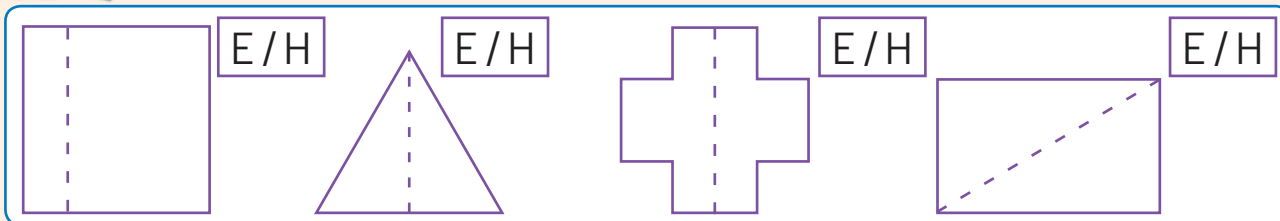
Talani mutalo wa simethiri kha tshivhumbeo tshinwe na tshinwe.

Mutalo wa simethiri (ndinganahuvhili) u fhandula tshivhumbeo tsha bva hafu mbili u itela uri hafu inwe na inwe i fane na inwe sa kha tshivhoni.

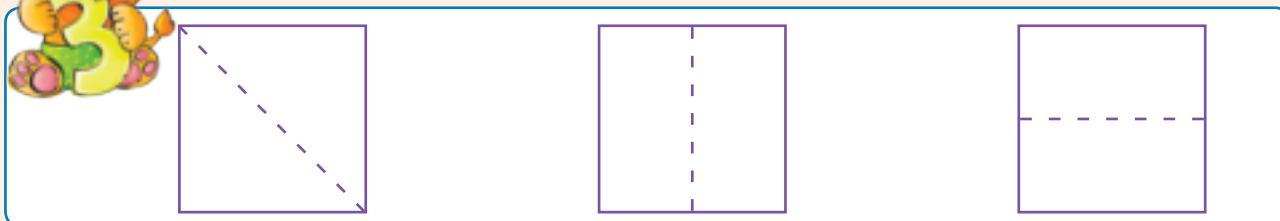
Tshivhumbeo tshi na simethiri arali ni tshi nga tshi peta kha mutalo wa simethiri u itela uri hafu mbili dzi fane kwakwakwa

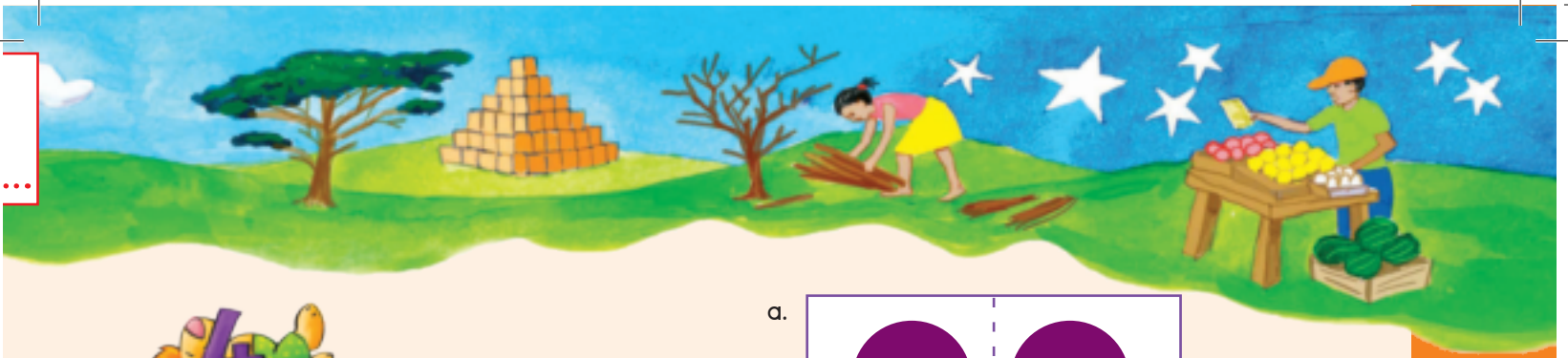


Uyu mutalo wa zwithomathoma ndi mutalo wa simethiri kana hai?
Tangedzelani (E) ya Ee kana (H) ya Hai.



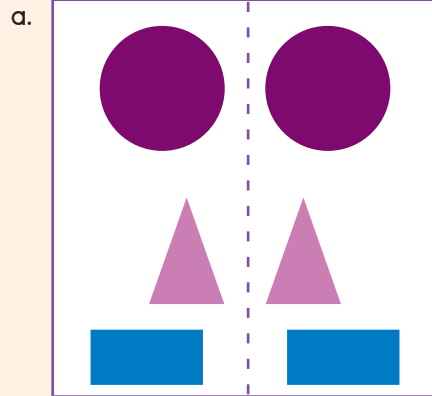
Uyu mutalo ndi wa simethiri? Ngani?



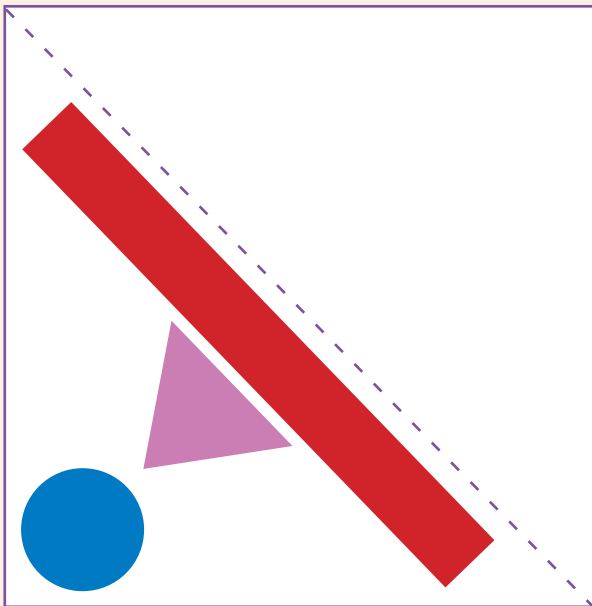


Olani zwivhumbeo ni ite uri tshifanyiso tshi vhe simethiri.

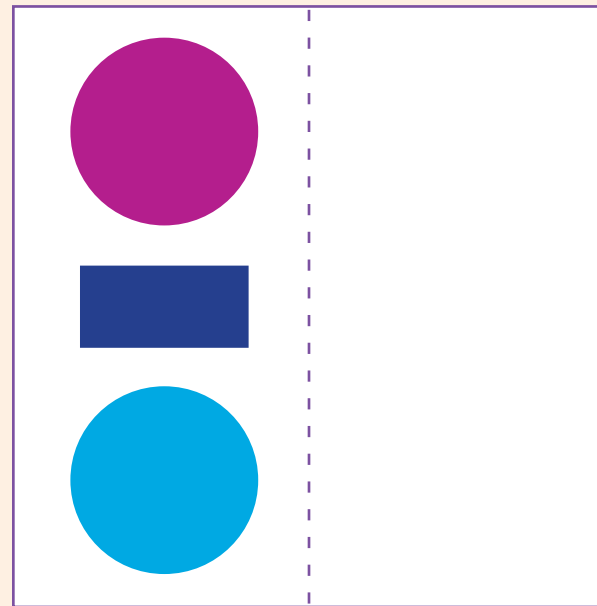
Ro dzula ro ni itela tsha u thoma



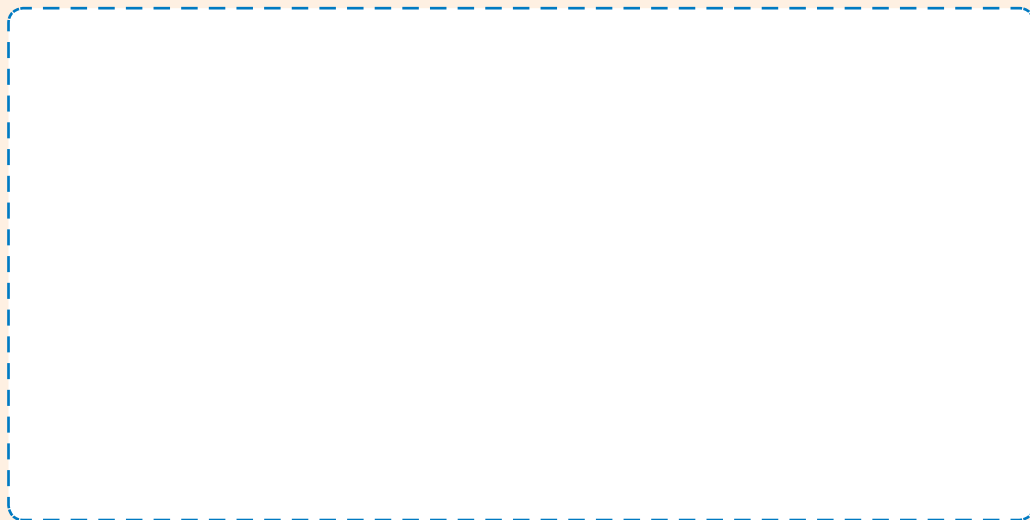
b.



c.



Diiteleni khaphethe yanu inwi mune ya simethiri ni tshi shumisa zwivhumbeo.



Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

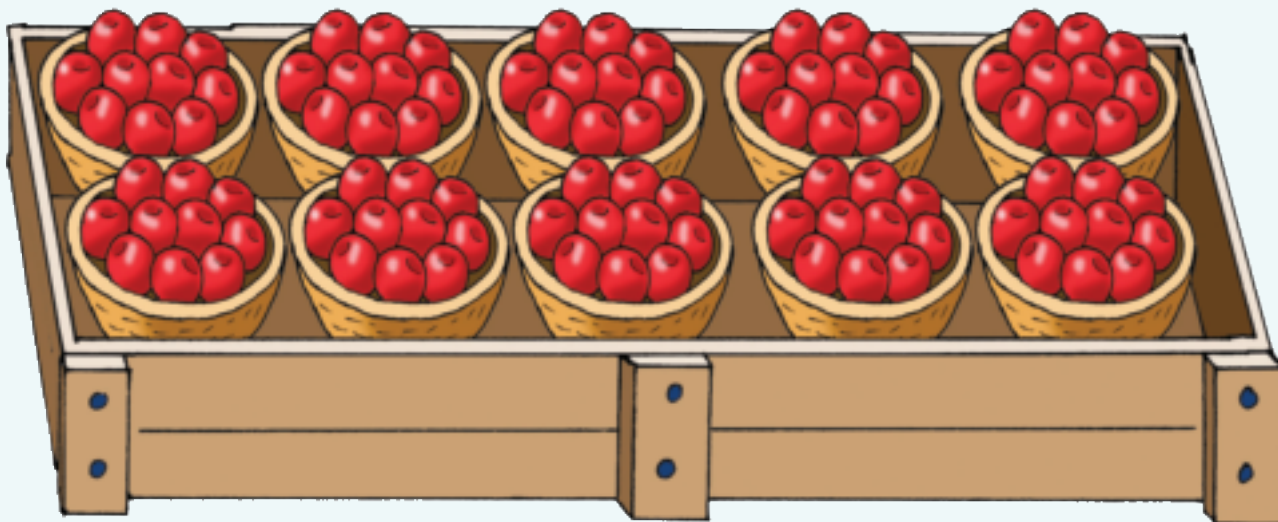
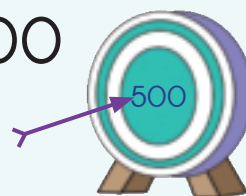
49

Themo ya 2



U fhaṭa u swika kha 500

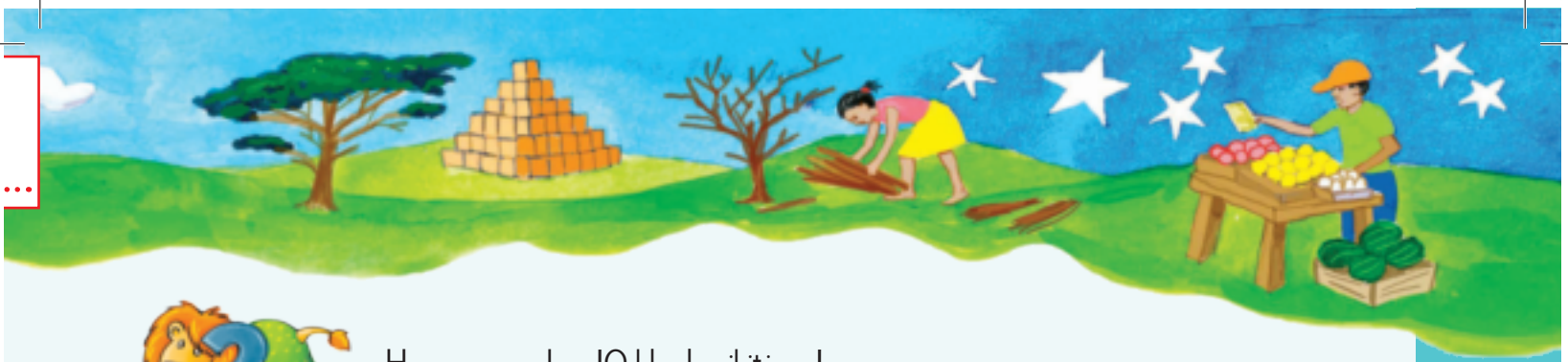
U vhalela maapula



Fhedzisani na u andisa

basikiti (tshithatha) ya 1 i hwala maapula a _____.	$1 \times 10 = 10$
basikiti (zwithatha) ya 3 i hwala maapula a _____.	$3 \times 10 =$
basikiti (zwithatha) ya 5 i hwala maapula a _____.	
basikiti (zwithatha) ya 4 i hwala maapula a _____.	
basikiti (zwithatha) ya 2 i hwala maapula a _____.	

khireiti ya 1 i hwala maapula a 100.	khireiti dza 2 dzi hwala maapula a _____
khireiti dza 3 dzi hwala maapula a _____	khireiti dza 4 dzi hwala maapula a _____
khireiti dza 5 dzi hwala maapula a _____	khireiti dza 2 dzi hafu dzi hwala maapula a _____

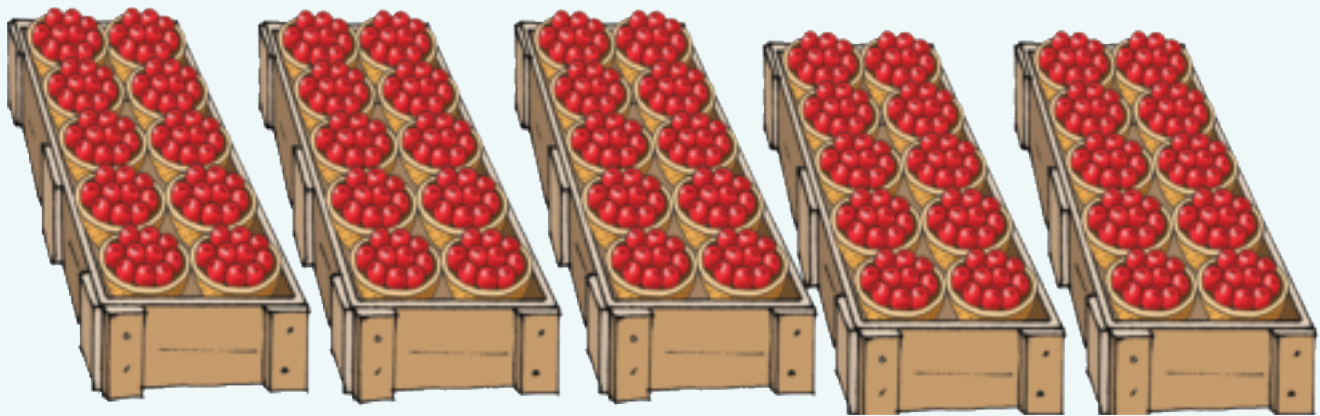


Hu na maapula a 10 kha basikiti ya 1.

Hu na basikiti ya _____ kha khireiti nthihi.

Hu na maapula a _____ kha khireiti nthihi.

Hu na maapula mangana o ṭangana o ṭhe? _____



U rekanya; u sumbedza na u n̄wala

3 0 0

4 0

5

Thomani nga u shumisa garaṭa dza nomboro ni tshi sumbedza ṭhanganyelo in̄we na in̄we. Ni kone u dzhenisa nomboro.

khireiti dza 3 + basikiti dza 4 + maapula a 5 = maapula a 345

khireiti dza 4 + basikiti dza 5 + maapula a 7 = maapula a ____

khireiti dza 5 + basikiti dza 2 + maapula a 3 = maapula a ____

khireiti dza 4 + basikiti dza 7 + maapula a 2 = maapula a ____



11 12 13 14 15 16 17 18 19 20

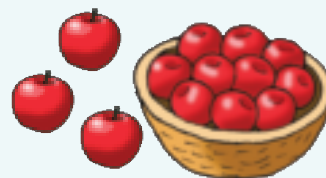
Muandiso na mukovho (10)



U vhala maapula

Dadzani thebulu.

Ndi basikiti (zwithatha) nngana dzo hwalaho maapula?

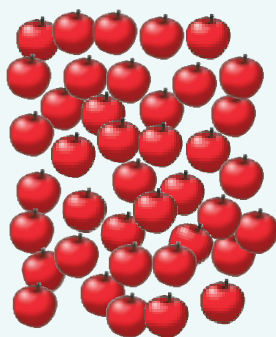


Maapula 	10	20	30	40	50
Basikiti 	1	2			
Mbalo ya ÷					$50 \div 10 = 5$
Mbalo ya ×					$5 \times 10 = 50$



Kovhelani vhana maapula. Olani tshifanyiso (nyolo)

a.

Sedzulusani
phindulo dzanu.

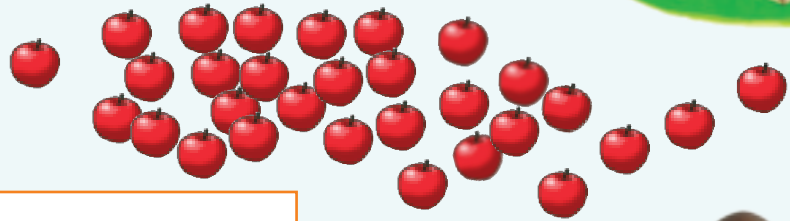
$$\square \div \square = \square$$

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





b.



Nwalani mbalo ya ÷

Nwalani mbalo ya a

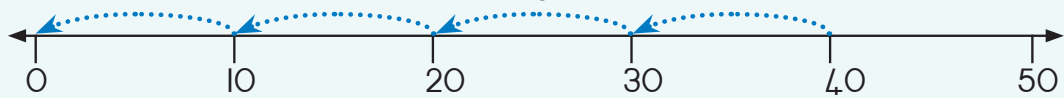
× ni tshi sedzulusa

(tola) phindulo dzanu



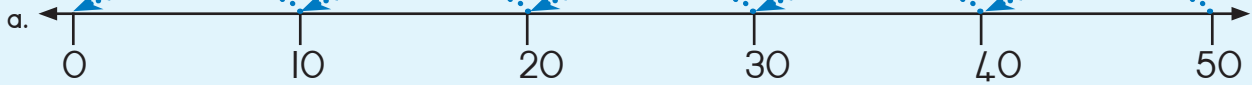
Tsumbo

Shumisani nomboro kha u vhumba mafhungombalo anu inwi mune.



÷ $40 \div 10 = 4$

× $4 \times 10 = 40$



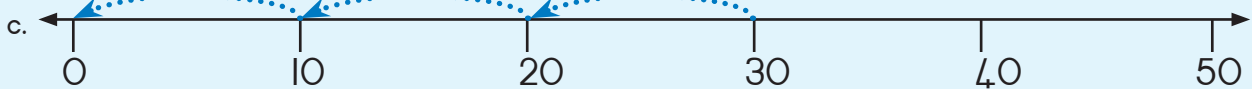
÷

×



÷

×



÷

×



Nwalani nomboro i re tshukhu nga 10 na khulwane nga 10 khe ye na newa.

____, 460, ____

____, 390, ____

____, 500, ____



Teacher: _____
Sign: _____
Date: _____



U vhala nga dzi2

U vhala ri tshi ya phanda na murahu nga dzi2

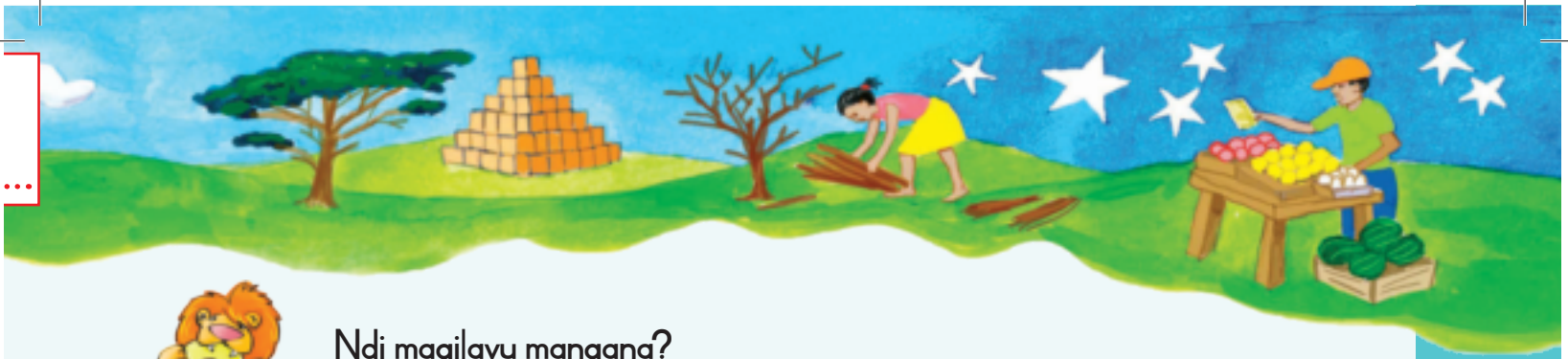
- a. 232; 234; _____; _____; _____; 242; _____; _____; 248
- b. 500; _____; 496; _____; _____; 490; _____; _____; _____
- c. 460; _____; _____; 400; _____; 360; _____; _____; _____
- d. 341; _____; 361; _____; _____; 391; _____; 411; _____; _____



Phere dza magilavu



- a. Hu na **phere nngana dza magilavu** kha rou inwe na inwe? _____
- b. Hu na **magilavu mangana mathihi** a re kha rou inwe na inwe? _____
- c. Hu na rou nngana? _____
- d. Hu na magilavu mangana o ṭangana o ṭhe? _____
- e. Sumbedzani uri no zwi wana hani.
- f. Nwalani phindulo yanu sa f̣hungombalo.
 _____ × _____ = _____



Ndi magilavu mangana?

U riwala kha thebulu.

a.

Phere ya magilavu									
	1	10	5	50	4	40	3	30	100
Tshivhalo tsha magilavu	2								

b.

Gilavu li si na mungana (singili)	20	21	70	73
Phere dzine dza nga itwa				
Magilavu a si na mungana (a singili) o salaho				



U v hala nga mbili

a. Ndi nomboro ifhio i no gla vhukati ?

264, _____, 268	391, _____, 395	414, _____, 410
-----------------	-----------------	-----------------

b. Nwalani nomboro mbili dzi no tevhela iyi.

373, 375, 377, 379	480, 482, _____, _____	262, 264, _____, _____
--------------------	------------------------	------------------------

c. Nwalani nomboro mbili dzi no tevhela iyi.

346, 348, _____, _____	415, 417, _____, _____	297, 299, _____, _____
------------------------	------------------------	------------------------





U pulanela ngade

Mufumakadzi Vho Mabena vha na dzithailisi dza u naka.

Vha dzi shumisa kha u pheiva huñwe fhethu ngadeni yavho.

Hu na dzithailisi dza zwikwea zwa 6 zwa saizi nthihi.

Ndi nga dzi
dzhenisa hani?



Ndi nga ita rou ya 1 nga
dzithailisi dza 6.



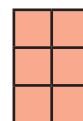
$$6 \times 1 = 6$$

Ndi nga ita rou dza 2 dzi na
dzithailisi dza 3 kha rou.



$$3 \times 2 = 6$$

Ndi nga ita rou dza 3 dzi na dzithailisi
dza 2 kha rou inwe na inwe.

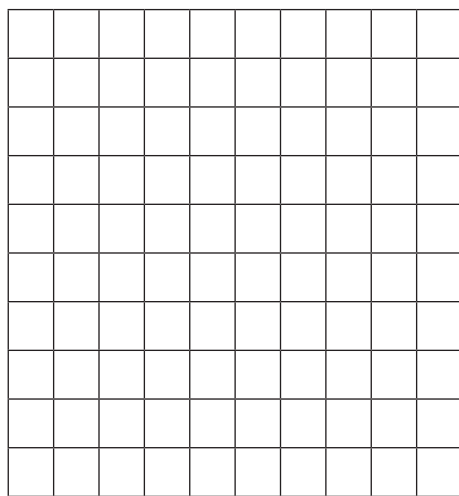


$$2 \times 3 = 6$$

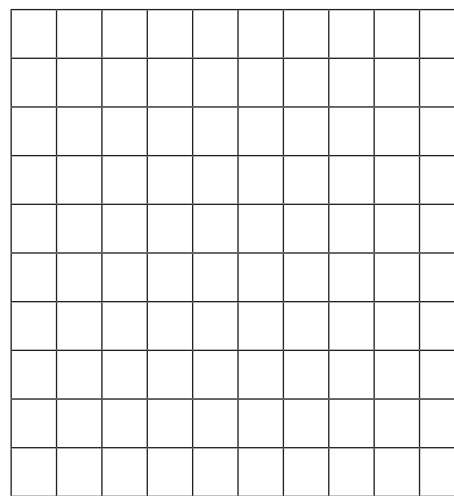
Zwino ndi tshifhinga tshanu!

Olani zwibuloko u sumbedza uri ni nga vhekanya hani dzithailisi dza zwikwea zwa 8 na 9.

zwikwea zwa 8



zwikwea zwa 9

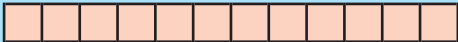


Nwalani mafhungombalo a nyolo inwe na inwe.



U dzudzanya dzithailisi dza 12

Mukundi u na thailisi dza zwickwea zwa 12 dza u pheiva tsini na nndu. Mu thuseni a wane ndila dzotthe dza u ita izwi. Nwalani fhungombalo la ndila inwe na inwe.

Tsumbo: 	$1 \times 12 = 12$ $12 \times 1 = 12$



U dzudzanya dzithailisi dza 24

- Shumisani giridi i re kha tshigeriwa tsha 2.
- Swifhadzani zwibuloko zws 24 nga ndila dzo fhambanaho.
- Nwalani mafhungombalo u livhanyisa nyolo inwe na inwe.



Ndi a kona u andisa!

$12 = 2 \times \square$	$3 \times \square = 12$	$9 = \square \times 3$
$6 = 3 \times \square$	$\square \times 3 = 12$	$24 = 3 \times \square$

Teacher:
Sign:
Date:

Nga dzi5 u swika kha 500



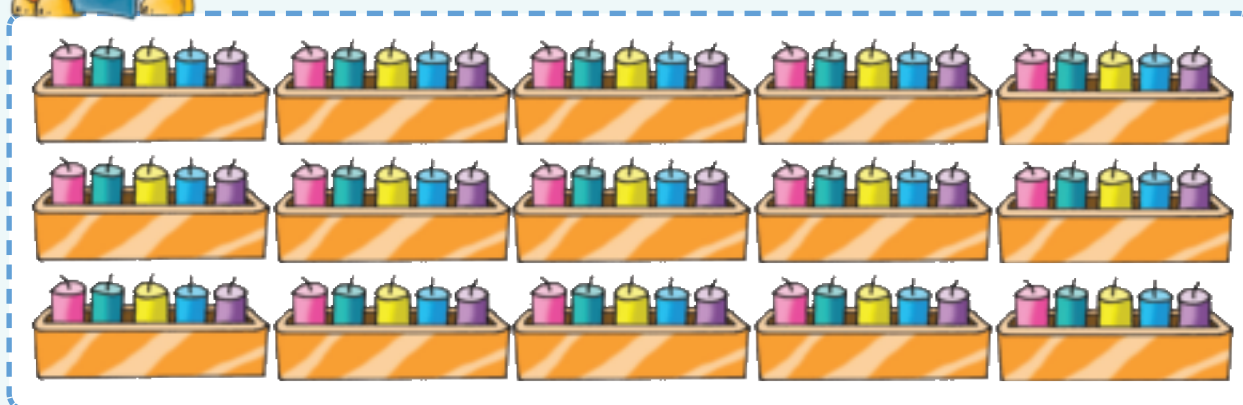
U tšalukanya 5 dzaṇu

U ṛwala phindulo.

	1	2	3	4	5	6	7	8	9	10
× 5	5									



U vhala makhandela



- Hu na makhandela mangana bogisini liṇwe na liṇwe?
- Hu na mabogisi mangana kha rou iṇwe na iṇwe?
- Hu na makhandela mangana kha rou iṇwe na iṇwe?
- Hu na makhandela mangana o tṅangana oṭhe?



U sumbedza phindulo

Swayani (✓) mafhungombalo ane a sumbedza tṅanganyelo ya tshivhalo tsha makhandela.

a. $5 \times 3 \times 3 = \square$ b. $15 \times 3 = \square$ c. $3 \times 5 \times 5 = \square$ d. $15 \times 5 = \square$

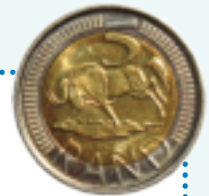


U vhalani tshi ya phanda na murahu nga 5

- a. 85; _____; 70; _____; 55; _____; _____
 b. 240; _____; 255; _____; _____; _____; 280
 c. 405; _____; 395; _____; 380; _____; 365; _____



U kuvhanganya khoini dza R5



Vhana vha kuvhanganya khoini dza R5. Ndi R5 nngana dzine vha go tloga dza u ita?

$R5 \div R5 =$ 1 khoini	$R10 \div R5 =$ 2 khoini	R15? _____	R20? _____	R25? _____
R30? _____	R35? _____	R40? _____	R45? _____	R50? _____

$$2 \times R5 = \text{R } \boxed{}$$

$$4 \times R5 = \text{R } \boxed{}$$

$$3 \times R5 = \text{R } \boxed{}$$

$$6 \times R5 = \text{R } \boxed{}$$

Ni a kona u vhona phetheni?



U andisa nga 5

Tsumbo: $1 \times 5 = 5$; $11 \times 5 = 55$; $21 \times 5 = 105$

Humbulani nga vhuṭali! Fhatani nga ndivho ine na vha nayo!

1	2	3	4	5	6	7	8	9	10
5	10								
11	12	13	14	15	16	17	18	19	20
55									



11 12 13 14 15 16 17 18 19 20

Deibhe

U shuma nga tshifhinga

U ola zwifhinga

Hafu u bva kha awara ya 5	Kotara u ya kha awara ya vhufumithihi	Kotara u bva kha awara ya 12	12:45	6:15	4:30																		

Thaidzo dza tshifhinga

Mime a Tshillo vha bva hayani nga 2:30.

Vha vhu ya nga 5:15.

Vha vha vha siho lwa tshifhinga tshingafhani?

Ri nga shumisa tsumbatshifhinga ya zwivo zwa ndeme kha u shuma phindulo. Vheani munwe waru kha 2:30, tshifhinga tshine tsha vha tshone zwino.

Ardi na fhufhela phanda nga 2 ya awara hu do vha hu 3:00.

U bva afho na fhufhela phanda nga awara nthihi yotlhe hu do vha hu 4:00.

U fhufhela phanda hafu nga inwe awara yotlhe zwi do ni swikisa kha 5:00.

Zwino ni tea u fhufhela nga 1 ya awara u swika kha 5:15.

2:15 2:30 2:45 3:00 3:15 3:30 3:45 4:00 4:15 4:30 4:45 5:00 5:15 5:30 5:45 6:00

2 ya awara

awara ya 1

awara ya 1

4 ya awara

$\frac{1}{2}$ ya awara na tanganya na awara mbili dzotlhe zwi ita awara dza $2\frac{1}{2}$.

Ra tanganya na $\frac{1}{4}$ ya awara zwi ita awara dza $2\frac{3}{4}$ zwo tangana zwotlhe.

Mbalo dza tshifhinga

Tandululani mbalo inwe na inwe.

Shumisani tsumbatshifhinga ya zwivo zwa ndeme uri i ni thuse.

Tolani. Vhambadzani. Lulamisani.

a. Lutendo u ya u tolela khotsi awe kilinki nga 15:45.

U huma nga 17:15.

O fhedza tshifhinga tshingafhani?

b. Muldo u ya phakhani nga 10:45.

U humela hayani nga 12:30.

O vha o tuwa tshifhinga tshingafhani?

c. Tumi u thoma u vhala nga 13:15.

U fhedza nga 14:45.

Tumi u vhala tshifhinga tshingafhani?

Deibhe

Dechi

Vhalani nga dzi3 na dzi4

Bodo dzi re na milenzhe ya 3



Tanganyani ni riwale phindulo.

- Hu na bodo nngana kha rou? _____
- Hu na milenzhe mingana kha rou? _____
- Hu na rou nngana dza bodo? _____
- Hu na milenzhe mingana yo tangana yothe? Sumbadzani uri no zwi shuma nga ndilaqe.

(✓) Ndi mafhungombalo afhio a re afho fhasi a no sumbedza tchanganyelo?

$$21 \times 7 = \square \quad 3 \times 7 \times 3 = \square \quad 3 \times 4 \times 2 = \square \quad 21 \times 3 = \square$$

Hu na milenzhe mingana?

Elekanyani nga u tavananya
Elekanyani nga vhuṭali

bodo ya 1 milenzhe ya	3	bodo dza 10 milenzhe ya		bodo dza 5 milenzhe ya	
bodo dza 2 milenzhe ya		bodo dza 15 milenzhe ya		bodo dza 12 milenzhe ya	
bodo dza 5 milenzhe ya		bodo dza 13 milenzhe ya		bodo dza 14 milenzhe ya	

Milenzhe ya tafula



- Hu na tafula nngana kha rou? _____
- Hu na milenzhe mingana kha rou? _____
- Hu na rou nngana dza tafula? _____
- Hu na milenzhe mingana yo tangana yothe? Sumbadzani uri no zwi shuma nga ndilaqe.

Femeni



Muvhadi u ita tafula. U thoma nga u vhaḁa milenzhe.

O no vhaḁa milenzhe ya 48 u swika zwino. Ndi tafula nngana dzine a nga ita?

U ḁo tḁa milenzhe mingana uri a ite tafula inwe nthihi?

Fhedzisani giridi nga u fhindula mbudziso.

2	3	4	5	8	10	11	12
$\times 3$	6						
$\times 4$	8						

Vhalani nga dzi50

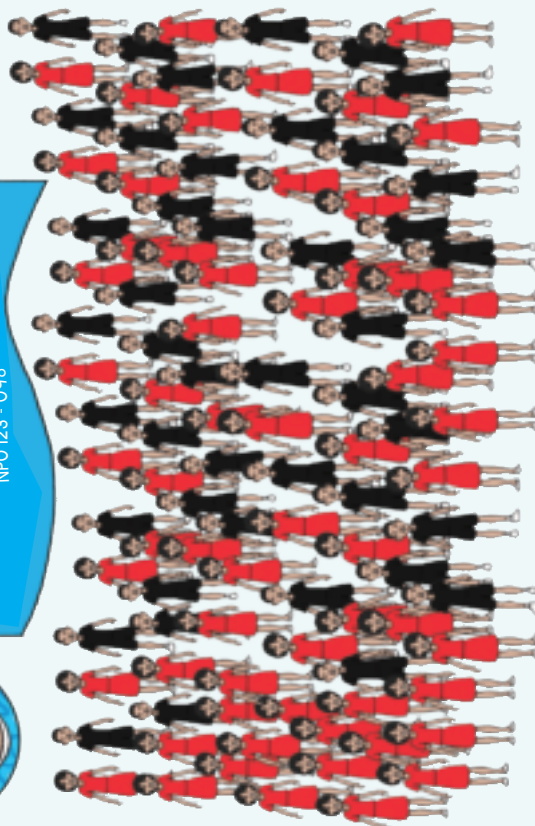
Nwana muthihi, nguvho nthihi!

Hlu na vhana vhangana? Anganyelani, ni kone u vha vhdla.



Nguvho ya Fulufhelo.

Vhana vhasu kha vha dudulwe.
NPO 123 - 098



Vhana vhotlhe vha re tshifanyisoni itshi vha fhiwa nguvho.

Ndi vhana vhangana vha re hone? ____

Anganyelani	Vhalani	Vhambadzani
Ndi 😊 vhatukana vhangana? ____ Ndi 😊 vhasidzana vhangana? ____		

Deib:

Vha badela vhugai?



Mafhungo



u renga



a 2.

U badela

R

Mufumakazi Vho Singo



vha renga



a 5.

Vha badela

R

Vha vhegele la Thembi Stores



Vha renga

R

li renga



a 20.

Itani kosekose!
R50 ya
bai la!



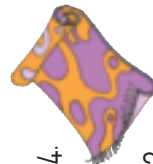
a 5 nga R50 = R250	a 10 nga R50 = R500
a 4 nga R50 = R ____	a 15 nga R50 = R ____
a 3 nga R50 = R ____	a 6 nga R50 = R ____
a 7 nga R50 = R ____	a 12 nga R50 = R ____
a 8 nga R50 = R ____	a 9 nga R50 = R ____

Zwi do dzhia tshifhinga tshingafhani? Shumisani khalenda.

Kilasi ya Gireidi ya 3 i kuvhanganya tshede ya u renga nguvho dza 4.

Vha kuvhanganya R5 nga dluva kha maguvha a 5 nga vhege.

Vha lila vhege nngana dza u kuvhanganya tshede ya u renga mabai?



Teacher:
Sign: _____
Date: _____

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Furakhisheni hafu na kota

Themo ya 2

Kovhani bola dzi tshi lingana afho zwibogisini

- Hu na bola nngana bogisini linwe na linwe? - Ndi bola nngana dzi re bogisini la phephulu? - Ndi furakhisheni ifhio i re bogisini la phephulu?	- Hu na bola nngana bogisini linwe na linwe? - Ndi bola nngana dzi re bogisini la phephulu? - Ndi furakhisheni ifhio i re bogisini la phephulu?

Lavhelesani zwifanyiso ni fhindule mbudiso.

Ni kona u vhala zwitendeledzi zwingana?	Ni kona u vhala zwitendeledzi zwingana?
$\frac{1}{2}$ ya zwitendeledzi ndi ifhio?	$\frac{1}{4}$ ya zwitendeledzi ndi ifhio?
$\frac{2}{4}$ ya zwitendeledzi ndi ifhio?	$\frac{2}{4}$ ya zwitendeledzi ndi ifhio?
$\frac{3}{4}$ ya zwitendeledzi ndi ifhio?	$\frac{3}{4}$ ya zwitendeledzi ndi ifhio?
$\frac{4}{4}$ ya zwitendeledzi ndi ifhio?	$\frac{4}{4}$ ya zwitendeledzi ndi ifhio?

Khalarani $\frac{1}{2}$ ya zwivhumbeo.

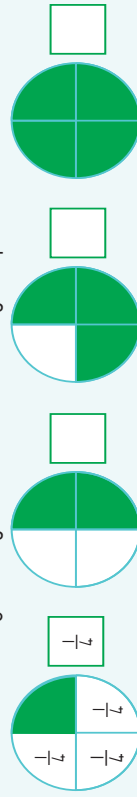
Khalarani $\frac{1}{4}$ ya zwivhumbeo.Khalarani $\frac{1}{4}$ ya zwivhumbeo.Khalarani $\frac{3}{4}$ ya zwivhumbeo.

Lavhelesani zwitirepe (vhubambiri) zwa furakhisheni

Yoŭhe ya			
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$

a. Ndi hafu ($\frac{1}{2}$) nngana dzi no ɔo ita yoŭhe nthihi? Ndi kota ($\frac{1}{4}$) nngana dzi no ɔo ita yoŭhe nthihi? Ndi kota ($\frac{1}{4}$) nngana dzi no ɔo ita yoŭhe nthihi?

b. Lavhelesani daigiramu (nyolo) ni niwale furakhisheni ya tshipida tsho swifhadzwaho.

c. Ndi furakhisheni ifhio i re khulwane $\frac{1}{2}$ kana $\frac{1}{4}$ 

Furakhisheni: hafu; zwararu na zwarathi

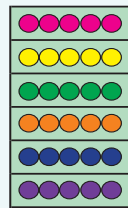
Kovhani zwikoŋkoŋi (silinda) nga u lingana mabogisini.

Thanganyelo ya bola: 12		
• Hu na bola mngana bogisini la phephulu?		
• Ndi furakhisheni ifhio i ne bogisini la phephulu?		



Lavhelesani zwifanyiso ni f'indule mbudziso.

Ni kona u vhala zwitendeledzi zwingana?		
$\frac{1}{2}$ ya zwitendeledzi ndi ifhio?		
ya zwitendeledzi ndi ifhio?		
ya zwitendeledzi ndi ifhio?		
ya zwitendeledzi ndi ifhio?		
ya zwitendeledzi ndi ifhio?		

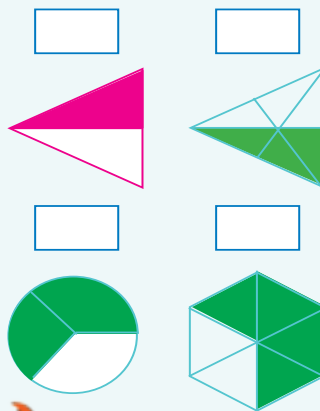


Tangedzelani furakhisheni khulwane.

a. $\frac{1}{2}$ $\frac{1}{3}$

b. $\frac{1}{2}$ $\frac{1}{6}$

c. $\frac{1}{2}$ $\frac{2}{6}$



Nivalani furakhisheni ya tshipida tsho swifhadzwa.



Lavhelesani zwitirepe zwa furakhishini. Fhedzisani mafhungo.

Yoŋhe ya I					
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

- Hu na hafu dza ___ kha yoŋhe.
- Hu na zwararu zwa ___ kha yoŋhe.
- Hu na zwarathi zwa ___ kha yoŋhe.
- Hu na zwarathi zwa ___ kha hafu.
- Hu na zwarathi zwa ___ kha tshararu.



Teacher: _____

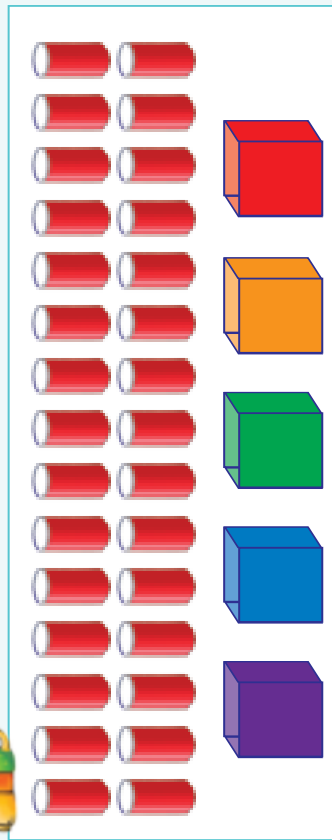
Sign: _____

Date: _____

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Furakhsheni: tshatʰhanu

Kovhani zwikoʃkoʃi mabogisi.



- Hu na zwikoʃkoʃi zwa kha $\frac{1}{5}$ ya mabogisi.
- Hu na zwikoʃkoʃi zwa kha $\frac{2}{5}$ ya mabogisi.
- Hu na zwikoʃkoʃi zwa kha $\frac{3}{5}$ ya mabogisi.
- Hu na zwikoʃkoʃi zwa kha $\frac{4}{5}$ ya mabogisi.
- Hu na zwikoʃkoʃi zwa kha $\frac{5}{5}$ ya mabogisi.



Lavhesani zwifanyiso ni f'indule mbudziso.

Hu na tshokoleithi nngana bogisi?

- $\frac{1}{5}$ ya tshokoleithi i lingana na
- $\frac{2}{5}$ ya tshokoleithi i lingana na
- $\frac{3}{5}$ ya tshokoleithi i lingana na
- $\frac{4}{5}$ ya tshokoleithi i lingana na
- $\frac{5}{5}$ ya tshokoleithi i lingana na

Li'we d'vha ndo la $\frac{1}{5}$ ya tshokoleithi. Ho sala tshokoleithi nngana?

Li'we d'vha ndo dovha nda la $\frac{1}{5}$ ya tshokoleithi. Ho sala tshokoleithi nngana?



Mivhala ya zwishumiswa zwa u ela.

a.



Lavhesani zwiʃirepe zwa furakhsheni. Fhedzisani mafhungo.

Yoʃhe ya l					
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{5}$	$\frac{1}{5}$
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{5}$	$\frac{1}{5}$
$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{5}$	$\frac{1}{5}$
$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

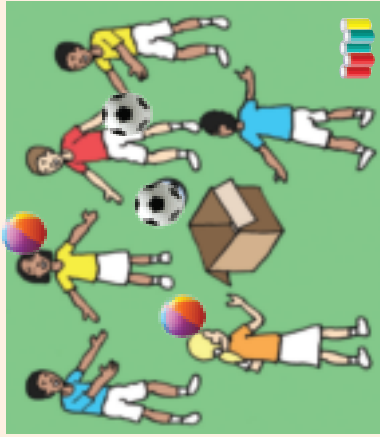
Tangedzelani zwi'hwane kana zwiʃukuku

- a. $\frac{1}{2}$ ndi khulwane /tʃukuku kha $\frac{1}{4}$.
- b. $\frac{1}{3}$ ndi khulwane/tʃukuku kha $\frac{1}{2}$.
- c. $\frac{1}{5}$ ndi khulwane/tʃukuku kha $\frac{1}{6}$.
- d. $\frac{1}{6}$ ndi khulwane/tʃukuku kha $\frac{1}{3}$.
- e. $\frac{3}{6}$ ndi khulwane/tʃukuku kha $\frac{2}{5}$.



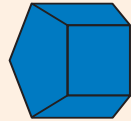
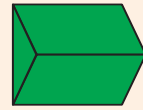
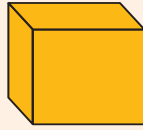
Deleke

Zwithu zwa 3D

Vhalani zwibogisi (phirizimu) ☐Vhalani bola (zwiipulumbu) ☐Vhalani silinda ☐

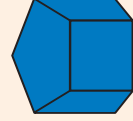
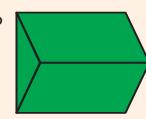
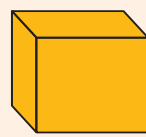
Hezwi zwotlhe ndi mabogisi.

Shumisani Zwigeriwa zwa mabambiri a 3 na 4 kha kha u vhumba izwi zwithu.



Fhetu huriwe na huriwe ha baphathi hupfi ndi lurumbu (phanda ha). Nambatedzani tshifhatuwo tshirwe na tshirwe tshi no khau nwethuwa kha lurumbu lwa bogisi.

No nambatedza zwifhatuwo zwiingana?

tshikwea ☐phirizimu ☐hekizagoni ☐Vhurumbu ha phirizimu ndi ha baphathi kana ho kuta?

Zwino itani silinda nga Tshigeriwa tsha 4.

Vhurumbu ha silinda ndi ha baphathi kana ho kuta? 

Talutshedzani tshiimo tsha silinda ni tshi shumisa maipfi aya

Talutshedzani tshiimo tsha silinda ni tshi shumisa maipfi aya

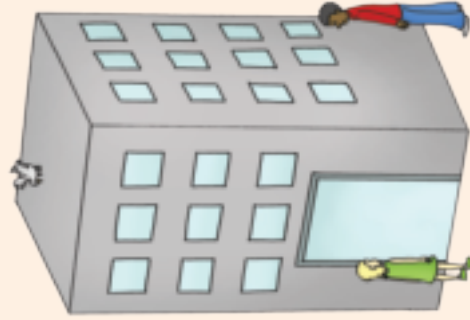
Nga lurumbu

Nga phanda

Nga ntsha



Shumisani maipfi a re afho fhasi kha u fhedzisa mafhungo.



Musidzana o sedza _____ ha tshifhato.

Munna o sedza _____ lwa tshifhato.

Tshinoni tsho sedza _____ ha tshifhato.

lurumbu

phanda

ntsha



Teacher:

Sign:

Date:

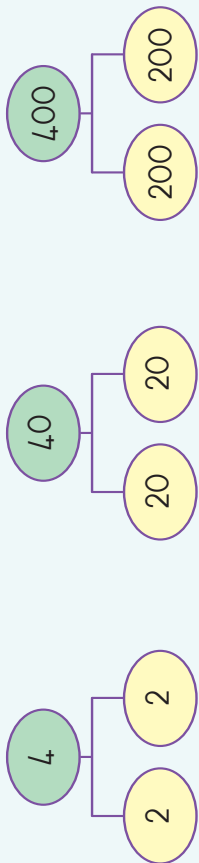
Dehi:

61

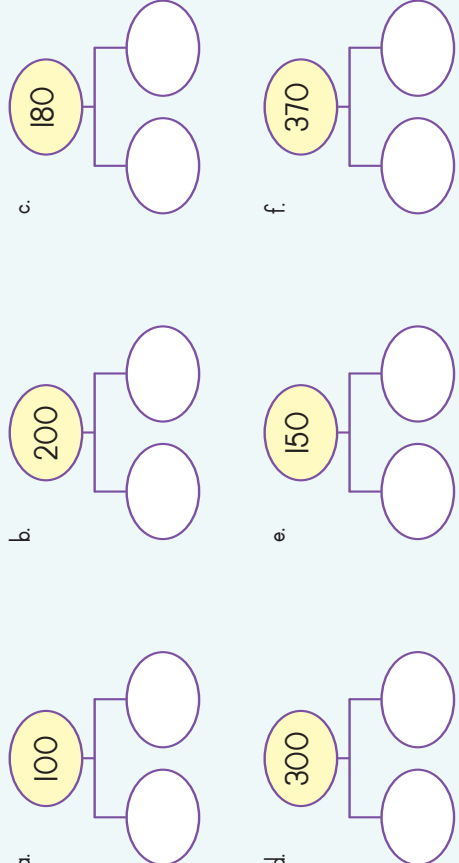
U inga kavhili (dabhulu) na hafu

Ni kha di elelwa? 2 ndi hafu ya 4 4 ndi dabhulu ya 2
20 ndi hafu ya 40 40 ndi dabhulu ya 20
200 ndi hafu ya 400 400 ndi dabhulu ya 200

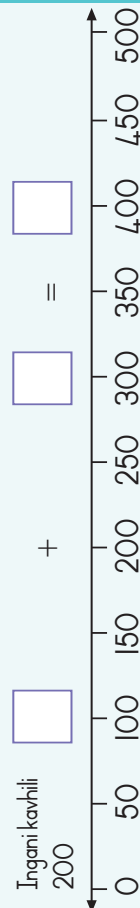
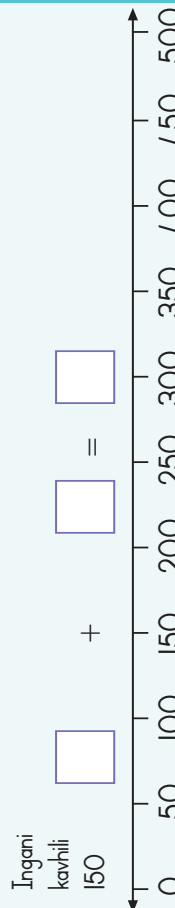
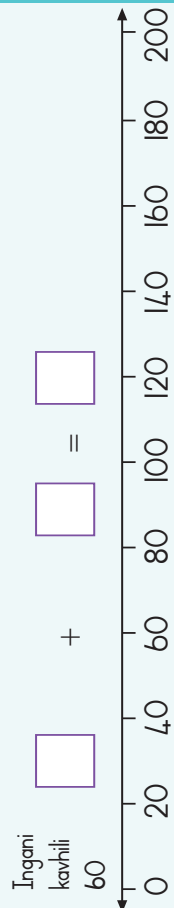
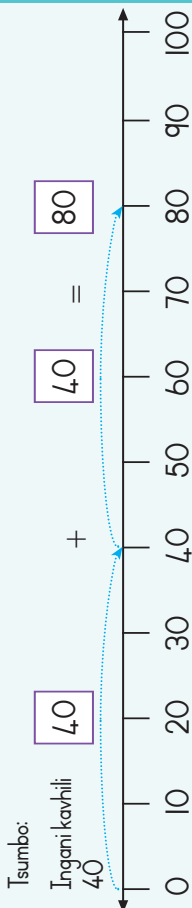
Elelwani! Ninga sumbedza izwi zwithu kha nyolo (tshifanjiso) ...



U wana hafu



Ingani kavhili nomboro nga u shumisa mutalombalo. Ro ni ñea tsumbo ya u thoma.



Fhedzisani zwi tevhelaho

a. Ingani kavhili 100	200	110
b. Ingani kavhili 150		
c. Ingani kavhili 120		
d. Ingani kavhili 200		
e. Ingani kavhili 170		

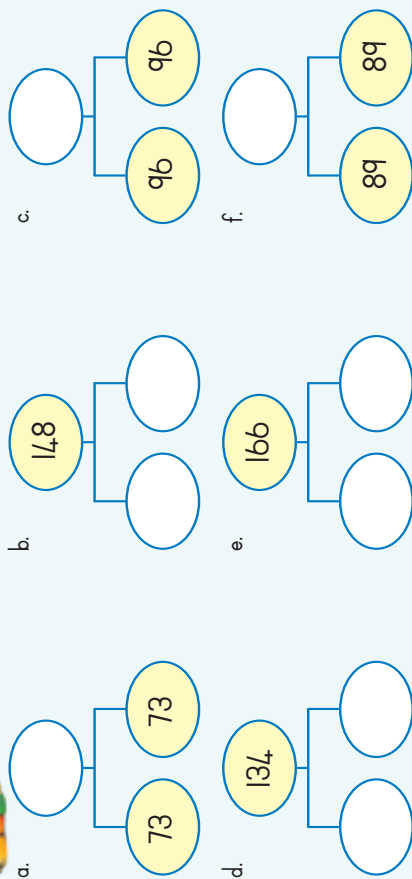
Fhedzisani zwi tevhelaho

a. Hafulani 220	110
b. Hafulani 180	
c. Hafulani 260	
d. Hafulani 60	
e. Hafulani 320	

Teacher: Sign: D.de

Zwinwe hafu zwa u davhula na u hafu

U wana nga zwiwihili kana hafu



Vhulungelani baisigiri

Peter u vhulunga R25 nga vhege ya u nenga baisigiri.
Ndi vhege ngana dzine a tea u vhulunga khadzo?

Phindulo: dzivhege dza

Mutengo wo tsa

Aitheme dzothe dzi kha mitengo ya fhasi nga hafu.

Nwalani mutengo wa fhasi tsini na aitheme inwe na inwe.

a. Mabai R190 Mutengo wa fhasi _____	b. Malagane R154 Mutengo wa fhasi _____
c. Khushini R54 Mutengo wa fhasi _____	d. Zwidulo R220 Mutengo wa fhasi _____

Seiji R450

R900

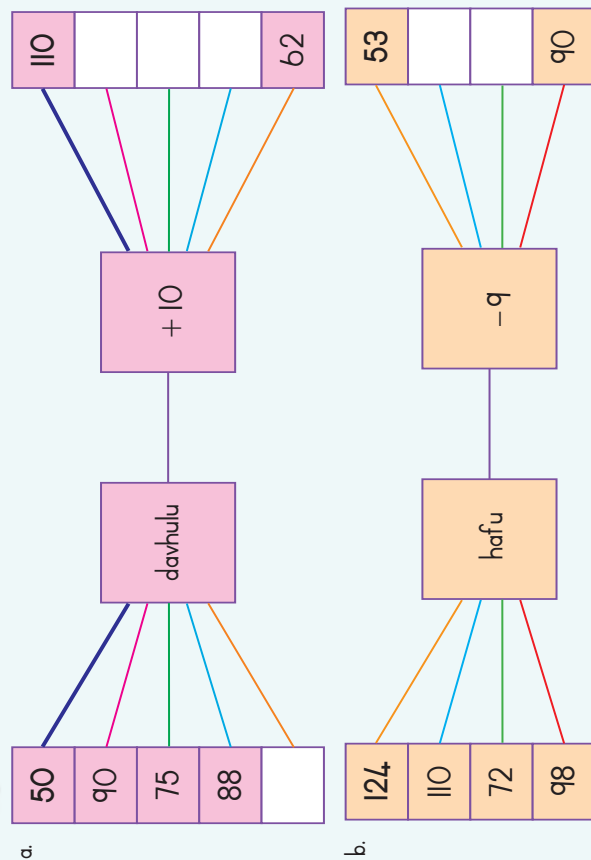


Ndi rannda ngana?

R135	Musa u khou tōga hemmbe. U na hafu fhedzi ya mutengo wa hemmbe. Ndi vhugai ine ya kha di tshela? R _____
R78.50	Zwienda zwa Peter zwi dura kavhili u fhira izwi. Zwienda zwa Peter zwi dura vhugai? R _____
R97	Mutengo wa rokho ya Phindi u inga kavhili wa iji. Rokho ya Phindi i dura vhugai? R _____

Hu dzhena mini? Ha bva mini?

Tevhedzani tsumbo. Dzhenisani nomboro dzi no khou tshela.



Dechi:

U vhea nga zwigwada na u badekanya



Vheani vhana nga zwigwada

Mufumakadzi Vho Ndaba vha toga u khethekanya kilasi ya bva zwigwada zwa saizi dzi linganaho u itela mitambo ya nnda ha kilasi. Vha thoma nga u vha vhekanya nga zwigwada zwa thimu dza vhana vha 4.



- Vhalani vhana.
- Vha kona u vhumba thimu nngana?
- Sumbadzani dzinwe nḽila dzotḽhe dzine vhana vha nga khethekanywa ha bva zwigwada zwa saizi dzi no lingana.

Tolani Vhambadzani.
Lulamisani.

1 2 3 4 5 6 7 8 9 10



Hu na zwiambaro zwingana?



Phindi u na hembe dza 5 dza mivhala na marukhu matuku a 5 a mivhala.

Ndi zwiambaro zwingana zwo fhambanaho zwine a nga zwi ita a tshi khoushumisa u tanganelana ha mivhala ho fhambanaho?

Sa tsambo: Hembe ya lutombo/vhurukhu vhpufufhi ha lutombo. Hembe ya lutombo/vhurukhu vhpufufhi ha tshitopana.

Nḽwalani leḽere ḽa u thoma ḽa mivhala muḽiwe na muḽiwe. Sumbadzani khondzeo dzinwe dzotḽhe dza zwiambaro.

Humbulelani: Hu nga itea mini arali Phindi e na mivhala ya b ya fhambanaho ya hembe na marukhu mapfufhi?

Ndi zwiambaro zwingana zwine a nga ita?

Tolani Vhambadzani.
Lulamisani.



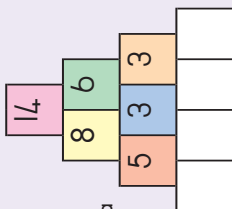
Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

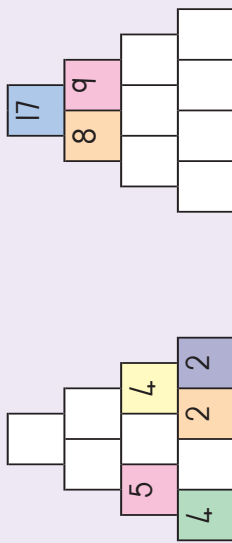
U diphina nga mbalo

Itani mulayo

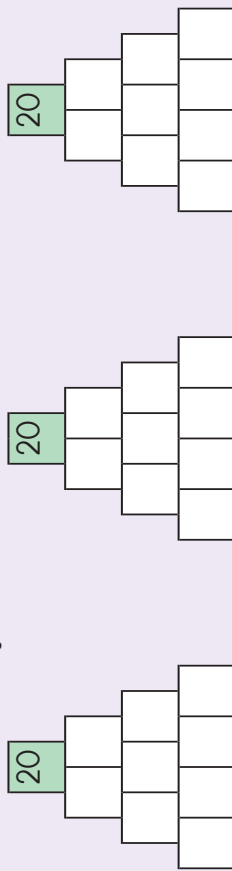
Shumisani mulayo uyu kha u wana nomboro dzi no khou tshela



Zwino shumani hedzi



Fhatyani u swika kha 20 nga ndla dza 3 dzo fhambananaho



Khaedu

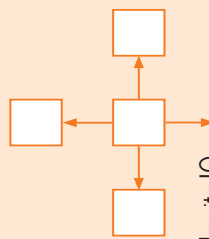


Shumisani muhumbulo

Shumisani nomboro 1, 2, 3, 4, na 5.

Nomboro dza 3 dzi re kha rou inwe na inwe dzi fanela u ita 10.

Mulayo: Shumisani nomboro inwe na inwe luthihi fhedzi



U wana nomboro

a. Mulayo 3: Nomboro dzi re kha rou inwe na inwe dzi tea u vhumba 16 dzo tshangana.

2	5	3	6
			2
		2	

b. Mulayo: Nomboro dza 3; u buka na rou na u tsa na kholomo; dzi ita tshanganyelo ntshini dzo tshangana dzo tshane.

2	7	6
9		1
	3	8

23	28	21
12		26
		10

c. Mulayo: Dzhenerisani nomboro dza 5 dzi inwe na dzi inwe dzine dzo tshangana dzo tshane dza ita nomboro i re ngomu ha naledzi.

