

Vho Angie Mutshekga vha Muhasho wa Pfunzo ya Muteo.



Vho Enver Surty. Muthusaminista wa Pfunzo ya Muteo.

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

Bugu dza u shumela dza Rainbow ndi tshipiḓa tsha zwe Muhasho wa Pfunzo ya Muteo wa ita zwa u khwiṋisa vhukoni ha vhagudi vha Afrika Tshipembe vha giredi dza rathi dza u ranga. Sa tshiṅwe tsha zwithu zwihulwane zwa Pulanetshumisi (Action Plan) ya Muvhuso, thandela iyi yo konadzea nge ya lambedzwa lu sa vhudziswi nga Muhasho wa Gwama ḽa Lushaka (Thirezhari).

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

Ri na fulufhelo ḽauri bugu idzi dzi ḓo thusa vhadededzi (vhagudisi) mushumoni wavho wa u funza wa ḓuvha ḽiṅwe na ḽiṅwe khathihi na u vha na vhuṱanzi uri vha khunyeledze kharikhuḽamu yoṱhe. Ro ita nga vhuronwane uri ri sumbedze nḓila vhadededzi kha mishumoitwa (nyito) nge ra shumisa aikhoni dzi no sumbedza uri mugudi u tea u ita zwifhio.

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

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



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ḒIVHAMBALO NGA TSHIVENḒA – Gireidi ya 3 Bugu I



Gireidi ya 3

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DIVHAMBALO NGA TSHIVENḒA

Bugu I
Kotara I & 2



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2 x 2=4

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	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

Gireidi ya 3

Rainbow WORKBOOKS

Ḓivhambalo

nga TSHIVEṄḒA

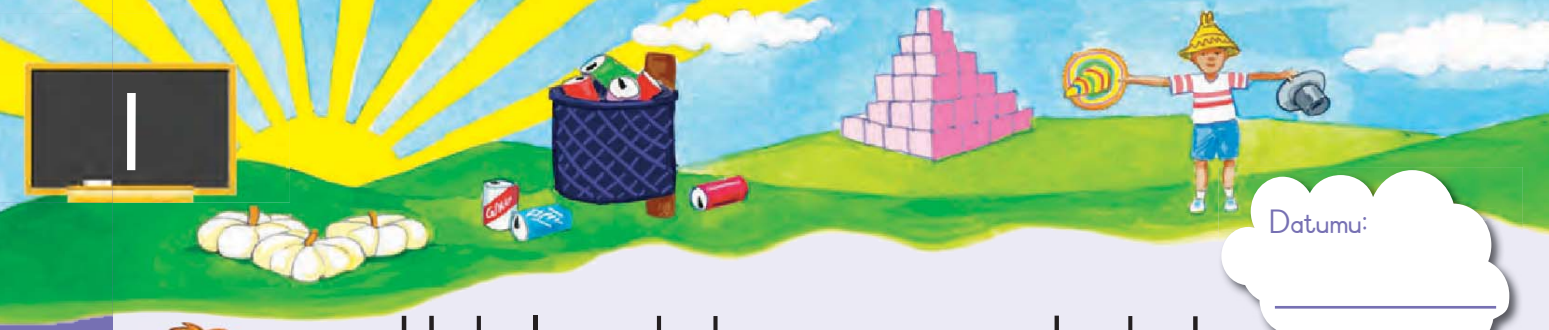
Heyi bugu ndi ya:

_____



TSHIVEṄḒA

Bugu 1



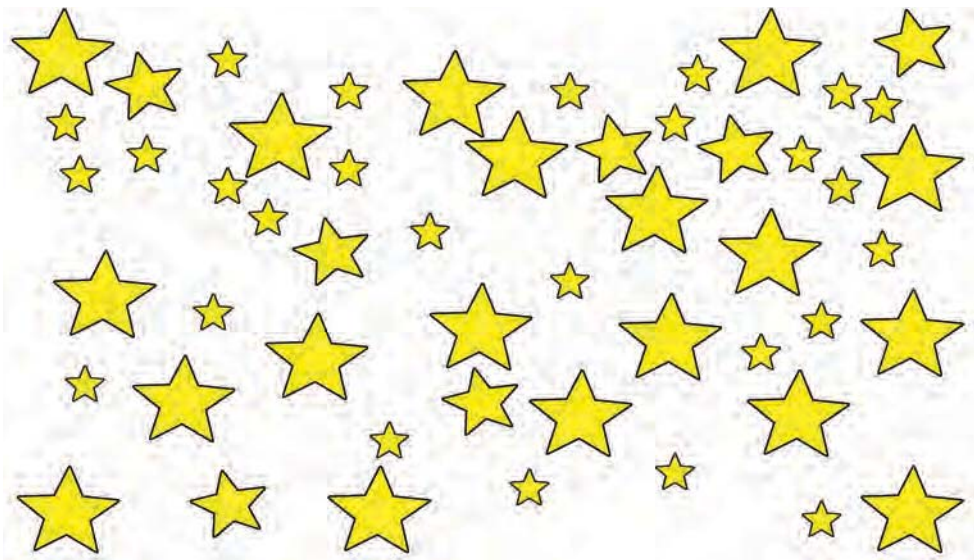
Datumu: _____

U vhala, u vhekanya na u sumbedza!



Ndi ṋaledzi nngana?
Shumani nga zwigwada zwa vhaṋa

Vhambedzani phindulo



Anganyelani uri ndi ṋaledzi nngana. _____
Zwino dzi vhaleni. _____



Wanani muwini!

Ndi nnyi o anganyelaho zwavhuḓisa?
Jenisani madzina aṋu ni fhindule kha thebuḽu iyi.

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



1 2 3 4 5 6 7 8 9 10



Ndila dza u vhala. Ri thuseni u i ṅwala



Ndo vhalela nga thihi.



1, 2, 3, _____
_____



2, 4, 6, _____
_____



Ndo vhala nga 2.



Ndo vhalela nga ṱhanu



5, _____
_____



_____
_____



Ndo vhalela nga mahumi



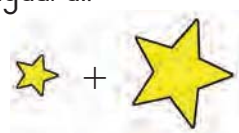
Ṅwalani mafhungombalo

Musi ni tshi ṱanganyisa nomboro dziṅwe na dziṅwe mbili hu sa sedzwi uri mutevhe wadzo ndi ufhio.

Ṅwalani mafhungo mavhili ni tshi ṋea ṱhanganyelo ya ṋaledzi. A ṅwaleni nga ndila mbili.
Write them in two ways.

Khulwane Thukhu Ngaurali *kana* ngaurali

 +  = ____

 + = ____

na sa fhungombalo.

_____ + _____ = _____ *kana* _____ + _____ = _____

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



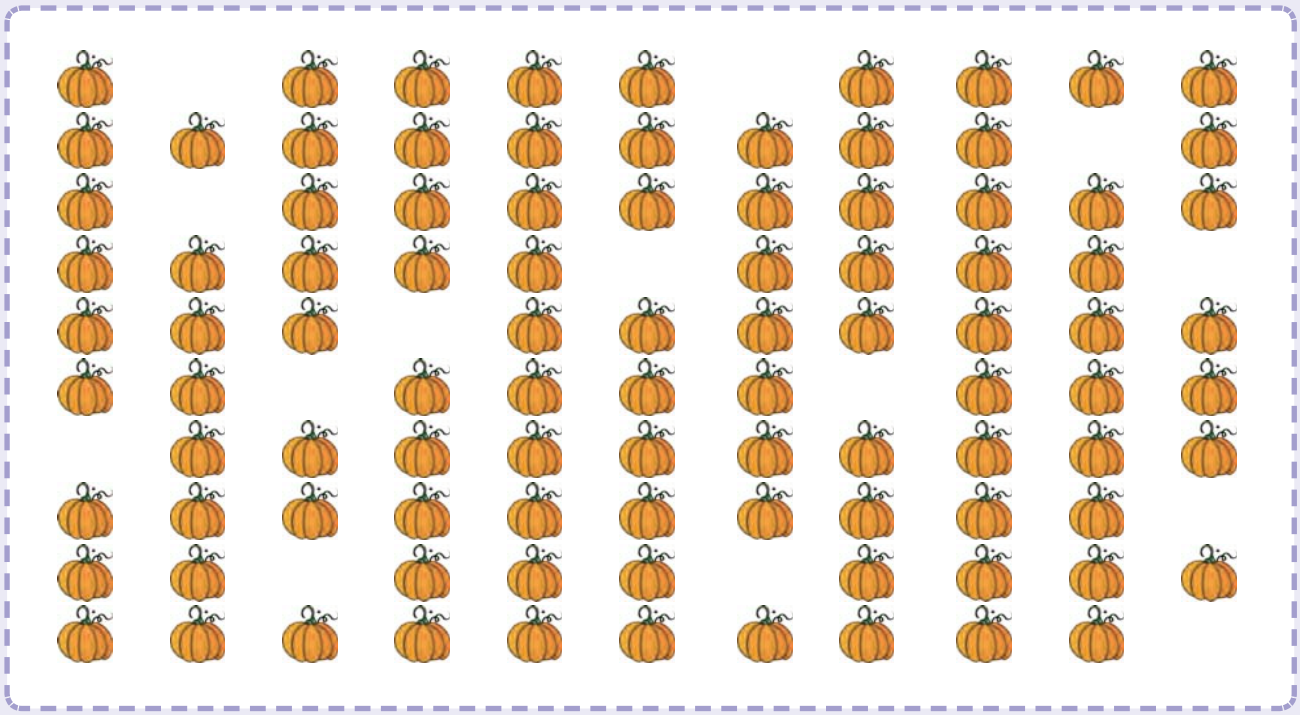
Datumu: _____

U vhala nga vhuṱali



U vhala mafhuri

U wana ndila i leluwaho ya u a vhala.



Phindulo: _____



Pakani mafhuri

Mafhuri a fumi a jena sagani ḽithihi.



Ndi masaga mangana? _____

Ndi mafhuri mangana oṱhe? _____

Ndi mafhuri mańwe mangana a ṱoḓeaho u ḓo ḓadza saga ḽińwe hafhu? _____





U bva kha + u swika kha × (muṱanganyiso u ya kha muandiso)

Fhedzisani mitalombalo.

Tsumbo:
10 + 10 + 10 + 10 = 40 ⟹ 4 vhuzhi ha 10 = 40 ⟹ 4 × 10 = 40



a. 10 + 10 + 10 = _____

zwigwada zwa _____ zwa 10 ⟹ _____×_____ = _____



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

zwigwada zwa _____ zwa 10 ⟹ _____×_____ = _____

Zwanḓa na minwe



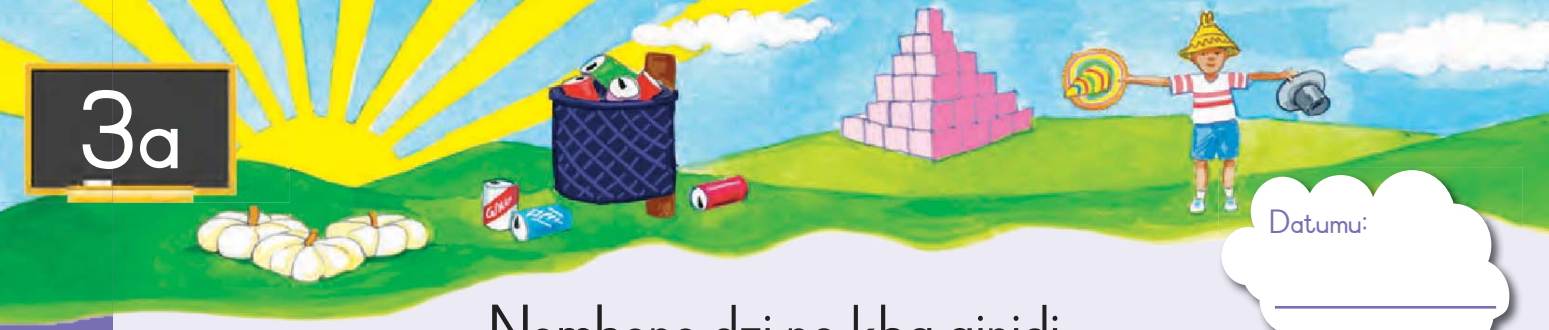
Ndi zwanḓa zwingana? _____ Ndi minwe mingana?_____

Ṅwalani phindulo yaṋu nga ndila ya 2.

Zwigwada = ___ zwa 10 ___ na ___ × 10 = ___

Teacher:
Sign:
Date:





3a

Datumu: _____

Nomboro dzi re kha giridi



U amba nga nomboro

Vhalani na u bula nomboro dzo̱the 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



a. Ṅwalani nomboro yo ṱahelaho kha tshibu̱loko tsha ya muvhala wa lutombo.

b. Ṅwalani dziṅwe nomboro.

c. Nomboro dza ṱa̱da ndi nomboro̱de?



Ṅwalani nomboro nga maipfi.

90	fu̱ṱahe	41	
77		56	
14		65	

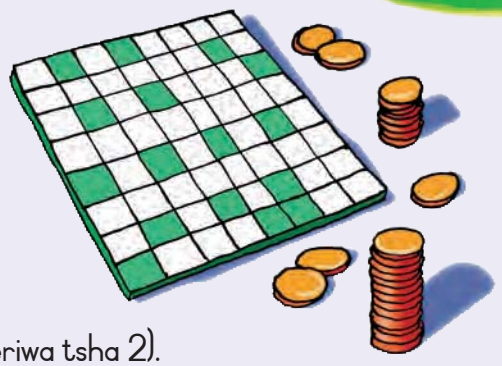




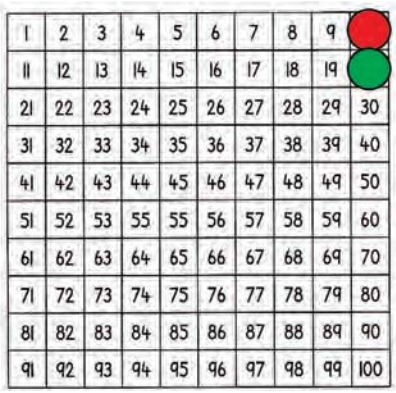
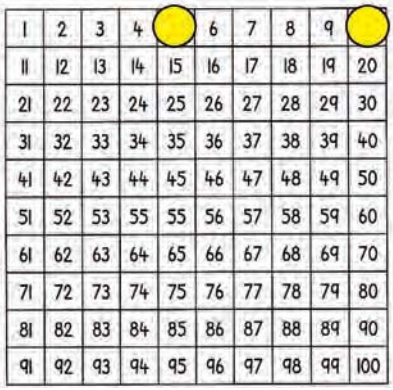
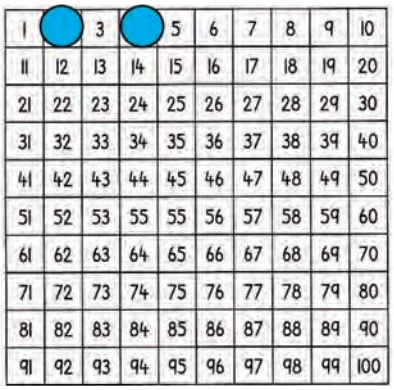


Ni ḓo ṱoḓa: giridi ya nomboro 1–100.

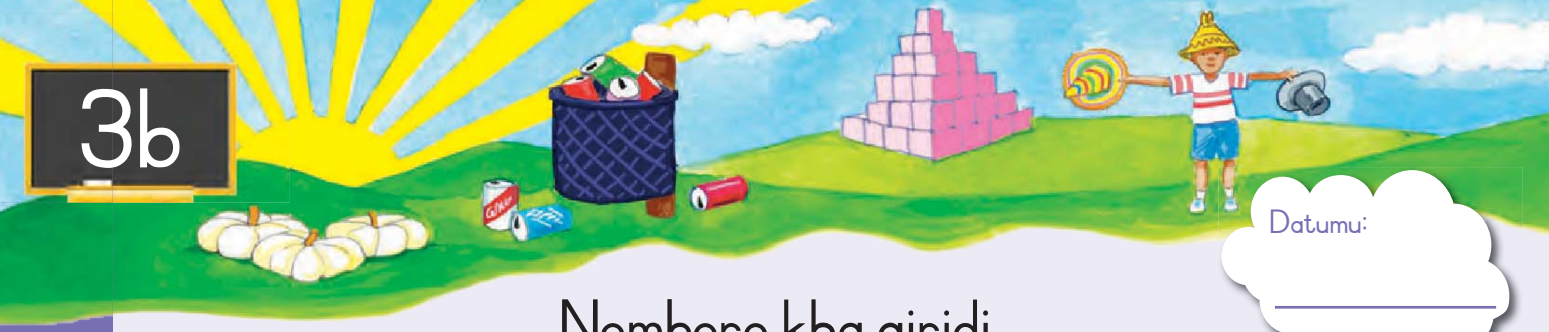
U vhala na u thivha



Gerani tshigeriwa I tsha zwivhaleli.
Zwi vheeni kha tshiṱhopho yo kunaho.
Ḓilugiseleni u vhala!
Shumisani giridi ya nomboro yaṋu na zwivhaleli zwaṋu (Tshigeriwa tsha 2).

		
Vhalani ni thivhe 10.	Vhalani ni thivhe 5 u bva kha 0–100.	Vhalani ni thivhe 2.
Vhalani nga 10 u bva kha 10 u swika kha 100.	Vhalani nga 5 u bva kha 5 u swika kha 100.	Vhalani nga 2 u bva kha 2 u swika kha 100.
Ṅwalani nga 10 u swika kha 100.	Ṅwalani nga 5 u swika kha 80.	Ṅwalani nga 2 u swika kha 50.

Teacher:
Sign:
Date:



3b

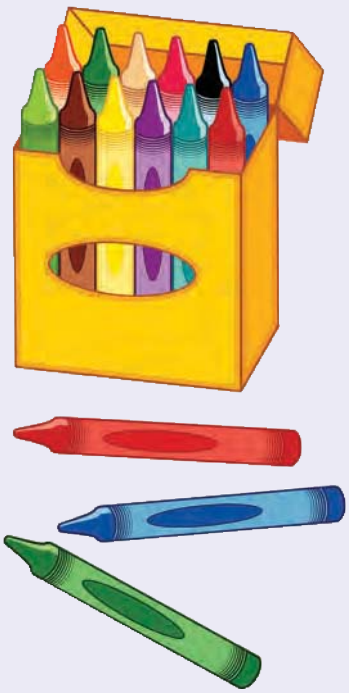
Datumu: _____

Nomboro kha giridi



U ṱala 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	55	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 dzoṱhe.	Itani thiki kha 5 dzoṱhe.	Itani thiki kha 2 dzoṱhe.

Ṅwalani nomboro dza 20 dza u thoma dzine dza vha kha phetheni ya 2 na ya 5.

_____

_____

_____

_____





U vhala phetheni

Jenisani nomboro dzo ṱahelaho.

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:



Datumu: _____

Vhuimo ha nomboro



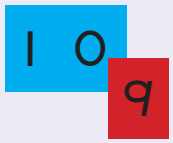
Sumbedzani nomboro dzaṋu

Puṱedzani magaraṱa a nomboro u bva kha garaṱa dza nomboro dzi tshi bva kha bammbiri ḽa zwigeriwa ḽa 3

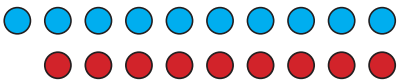
Shumisani garaṱa kha u fhaṱa nomboro idzi.



19 43 69 54 35



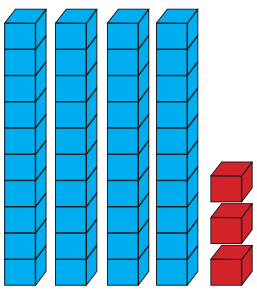
19

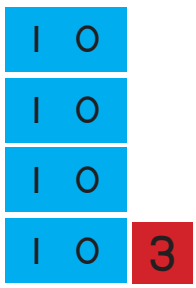




10 + 9 = 19

43





40 + 3 = 43

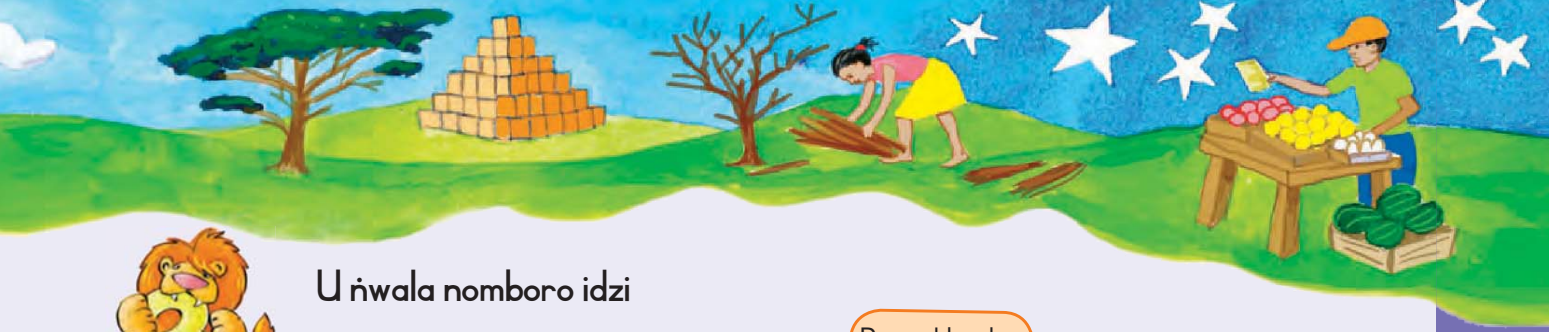
Zwino shumani nomboro idzi nga inwi muṋeni tshi shumisa Zwigeriwa I na 3

54

35

69





U ṅwala nomboro idzi

Ro dzula ro ni itela ya u thoma

Ri nga kha ḓi 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			



Ṅwalani nomboro ṱhanu dza u thoma, kha thebulu i re afho nṱha, dzi tshi tou tevhekana u bva kha ṱhukhusa u ya kha khulwanesa.

_____; _____; _____; _____; _____

Teacher:
Sign:
Date:





Datumu: _____

Muṱanganyo na muṱuso



Tshitolo tsha Takalani

Nga matsheloni Takalani u na phakhethe dza maapula dza 19.
Nga tshifhinga tsha tshiswiṱulo o sala na phakhethe dza 13.



a. Ndi phakhethe nngana dze Takalani a rengisa? _____

b. Ṅwalani phindulo yaṋu sa fhungombalo.

_____ – _____ = _____

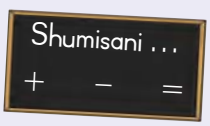
Ṅwalani maṅwe mafhungombalo maṱanu ni tshi sumbedza phindulo i fanaho.
14 – 9 = 6 _____ _____ _____ _____ _____



Ndovhololo ya nomboro

Ṅwalani phindulo.

1+2=3



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 = ☐



Miṱa ya nomboro

5 9 14

Tsumbo dza uno muṱa wa nomboro khedzi

9 + 5 = 14	5 + 9 = 14
14 – 9 = 5	14 – 5 = 9



Ni nga kona u wana miṱa yoṱhe 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

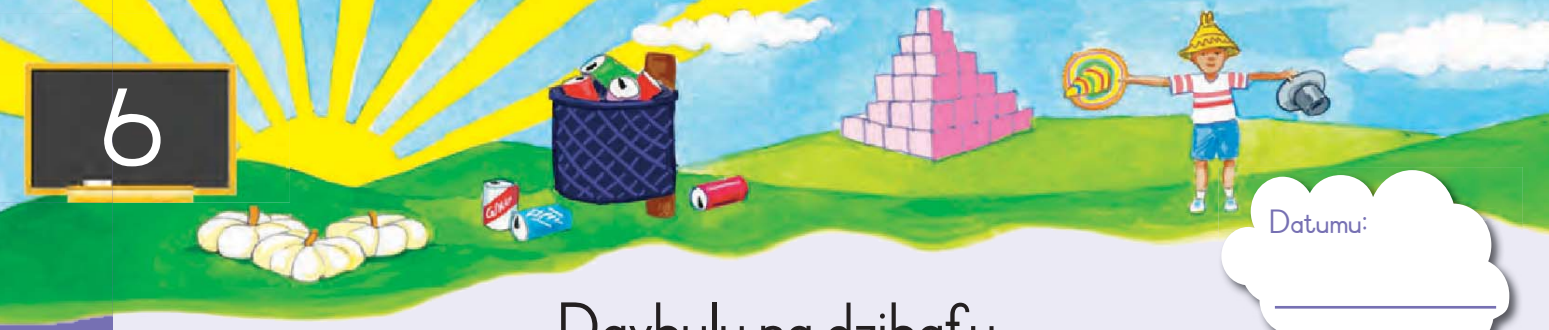
1 + 11 = 12			

Teacher:

Sign:

Date:





6

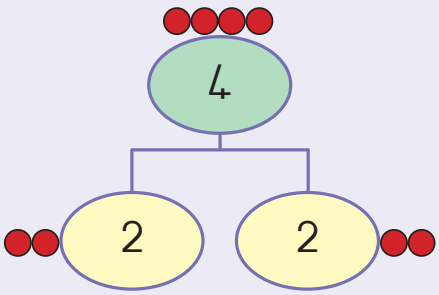
Datumu: _____

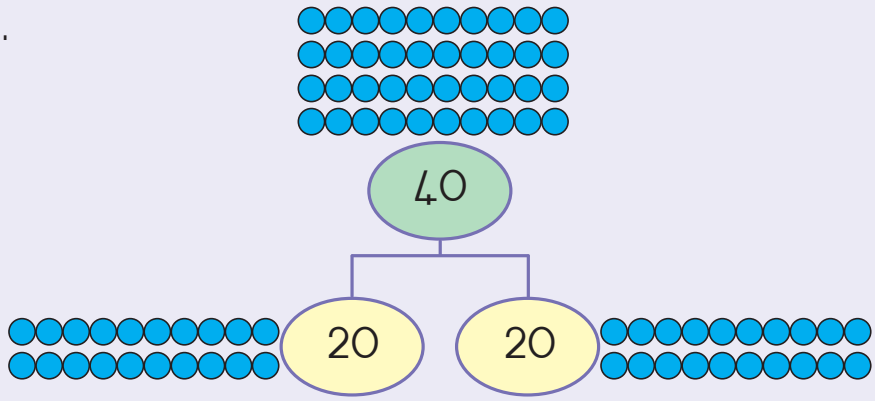
Davhulu na dzihafu

Ni kha ḓi elelwa naa?

2 ndi hafu ya 4 20 ndi hafu ya 40 4 ndi 2 kavhili 40 ndi 20 kavhili

Ri nga sumbedza izwi nga nyolo ...

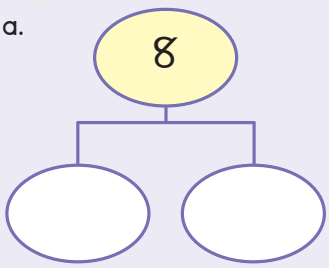




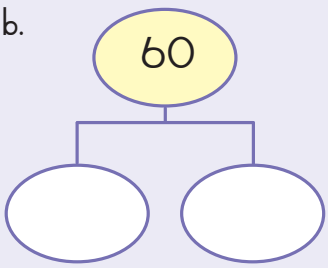


Wanani davhulu kana dzihafu

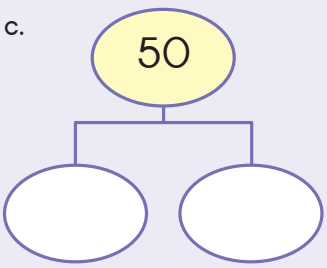
a.



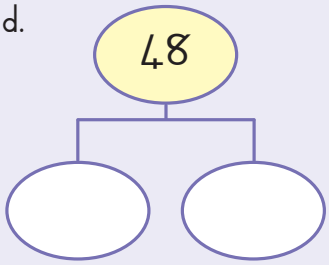
b.



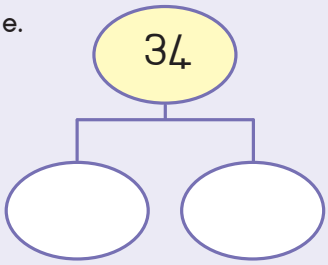
c.



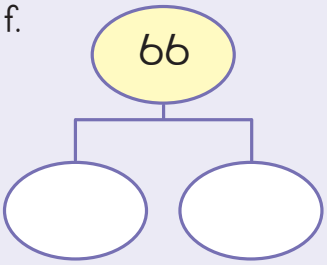
d.



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 n̂ewa tsumbo ya u thoma.

a. Ingani kavhili 4

4 + 4 = 8



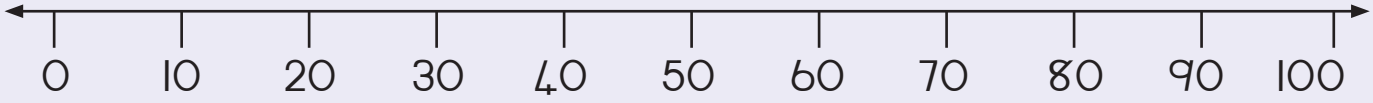
b. Ingani kavhili 5

☐ + ☐ = ☐



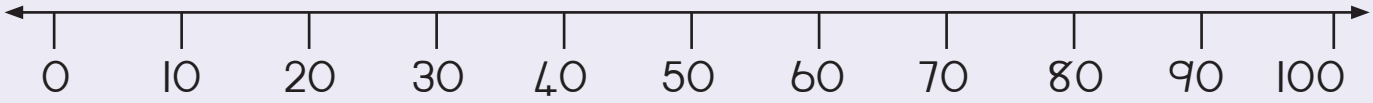
c. Ingani kavhili 20

☐ + ☐ = ☐



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	





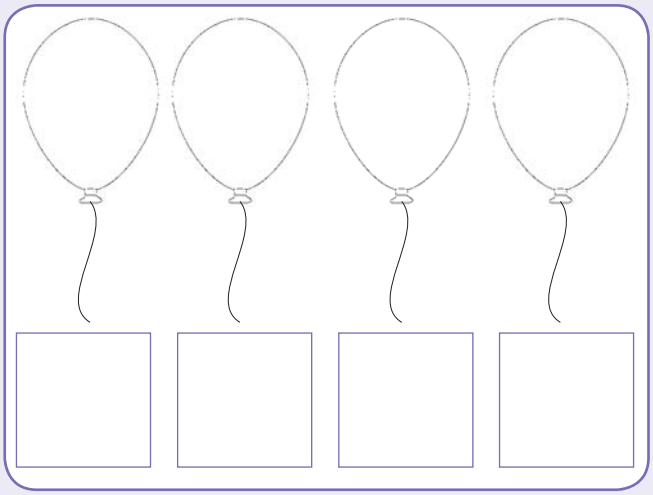


Datumu: _____

Furakhisheni (zwipiḓa)

Khaḽarani kota nthihi ya mabaḽoni nga muvhala mutswuku ayo maṅwe nga wa ḽutombo.

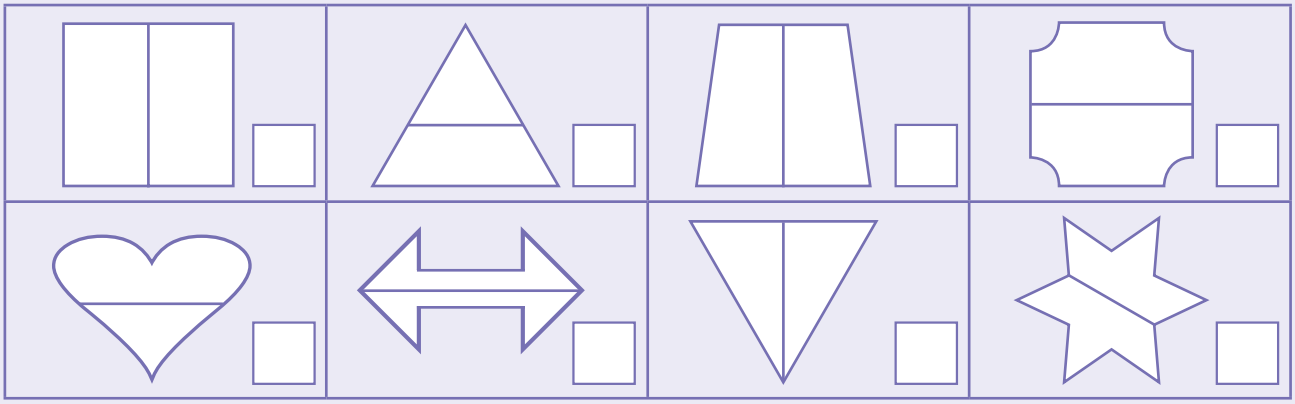
Colour one half of each box red.



Lavhelesani tshifanyiso. Ṅwalani thiki kha zwivhumbeo zwi no sumbedza dzihafu



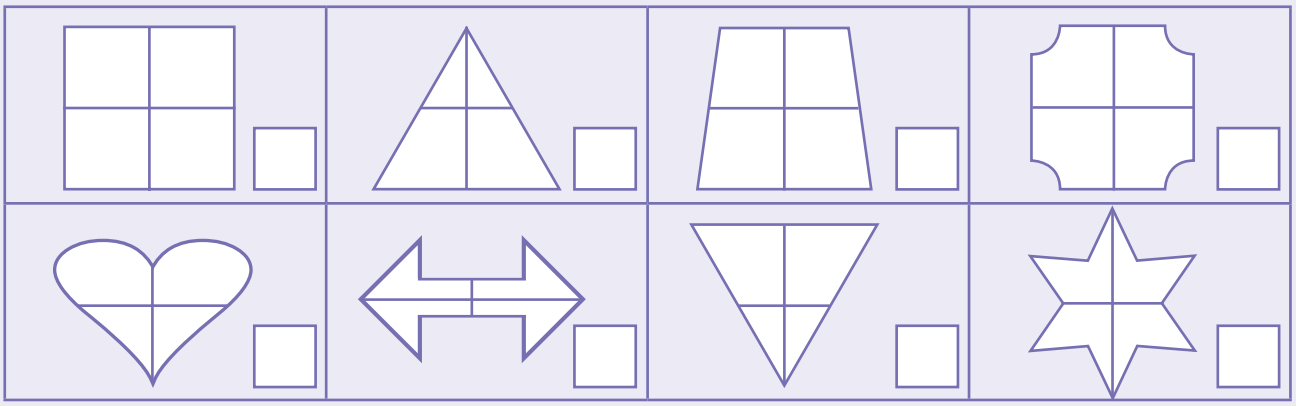
Khaḽarani hafu nthihi ya tshivhumbeo tshiṅwe na tshiṅwe tshe tsha fhandulwa tsha bva dzihafu.





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

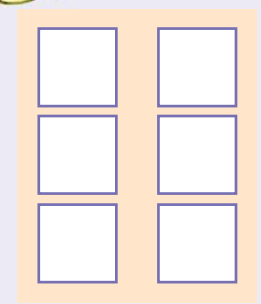
Khaöarani kota nthihi ya tshivhumbeo tshiúwe na tshiúwe tshe tsha fhandulwa tsha bva dzikota.

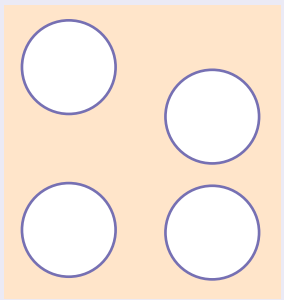


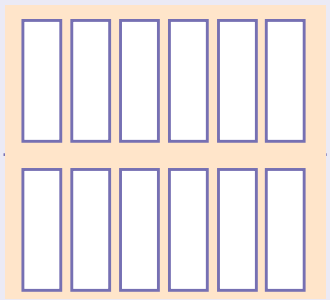




Khaöarani hafu ya zwivhumbeo. Hafu ya tshivhalo tsha zwivhumbeo ndi ifhio?

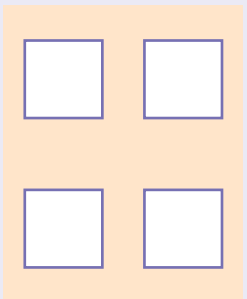


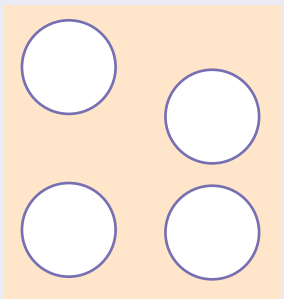


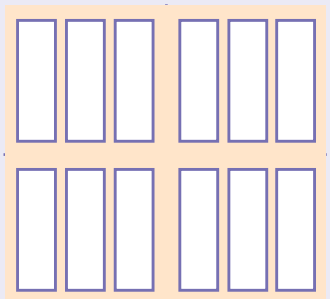




Khaöarani kota ya zwivhumbeo. Kota ya tshivhalo tsha zwivhumbeo ndi ifhio?





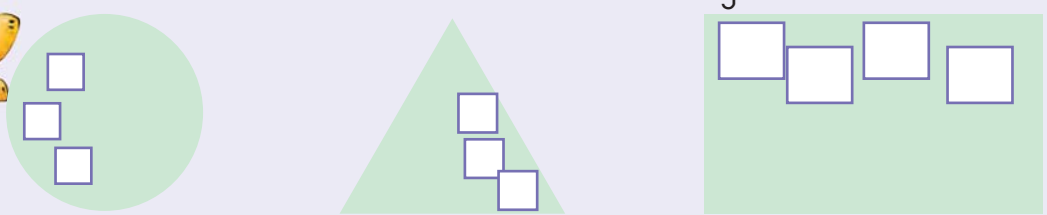




Ṅwalani sa luswayo (tshiga) lwa furakhisheni. hafu nthihi ☐ kota nthihi ☐

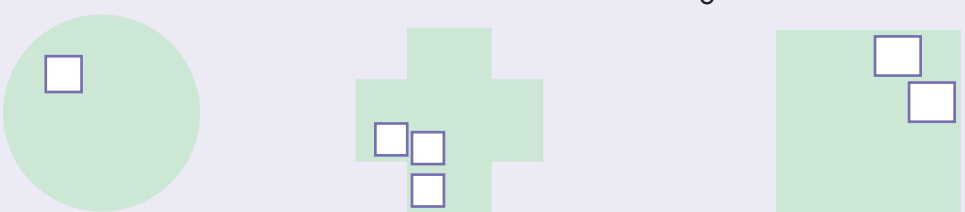


Olani zwivhumbeo zwiúwe hafhu u itela uri hafu iúwe i lingane na iúwe.





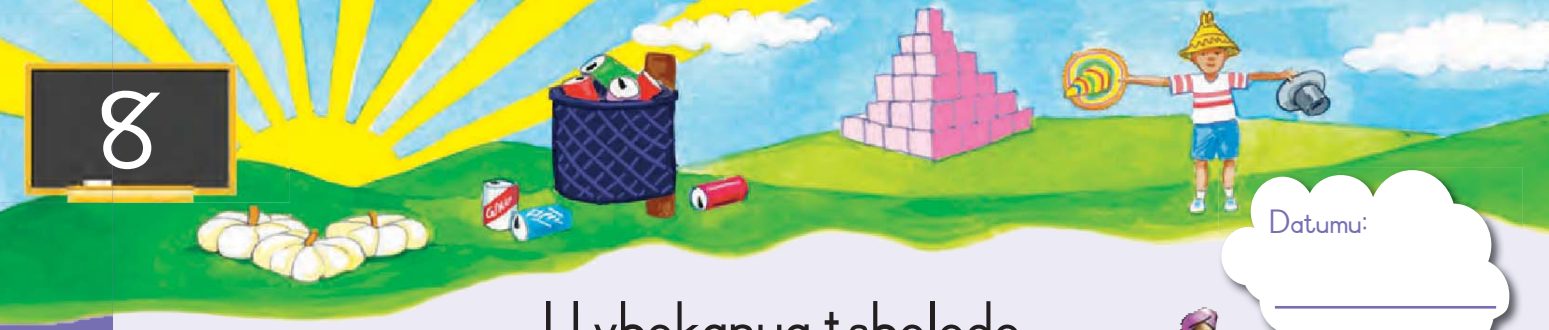
Olani zwivhumbeo zwúwe hafhu u itela uri kota iúwe i lingane na iúwe.



Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



Datumu: _____

U vhekanya tshelede



Tshiṱokofelani

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





Anganyelani tshelede yoṱhe.	R_____
Vhalani tshelede.	R_____

Vhambedzani u anganyela na ṱhanganyelo.



U vhulunga tshelede



Gugu u vhulungela u renga phere ya zwienda i no ḓura R89.
U swika zwino u na hafu ya tshelede iyo.
U ṱoḓa vhugai nga ṅtha?
Ṅwalani fhungombalo ḽa u sumbedza phindulo yaṋu.

_____ _____ _____



1 2 3 4 5 6 7 8 9 10



Banngani



Maria u vhekanya tshelede ya bammbiri nga zwiṱhopho zwa 10.

O sala na iṅwe tshelede ya bammbiri.

Ṅwalani ṱhanganyelo ya tshifanyiso tshiṅwe na tshiṅwe.

	Ṱhanganyelo
 	R_____
 	R_____
 	R_____

Khaedu

U dala zuu

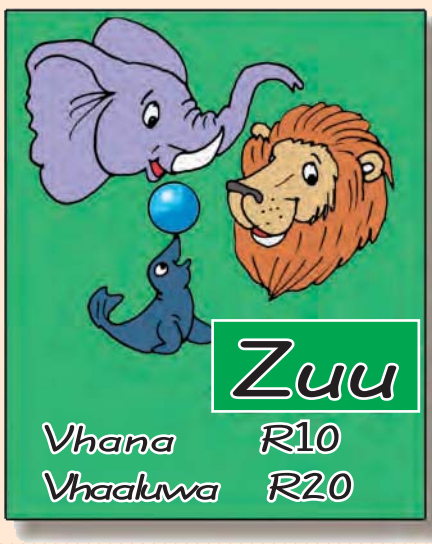
Vhaaluwa na vhana vhaṅwe vha ya zuu.
Vha renga thikhithi dza R90.

Vhana ndi vhangana? _____

Vhaaluwa ndi vhangana? _____

Hu na iṅwe phindulo naa?

Vhaaluwa _____ Vhana _____



Teacher:
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Date:



Datumu: _____

Phetheni



Shumisani bodo iyi ya nomboro ya 200 kha u fhindula mbudziso

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 nṋa dzi no tevhela kha phetheni idzi dza nomboro. Khaḽarani 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 **ṱhanu**.

				5					10

U vhalela nga **mbili**.

	2		4						

U vhalela nga **tharu**.

		3			6				

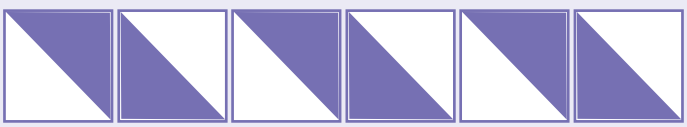
U vhalela nga **mahumi**.

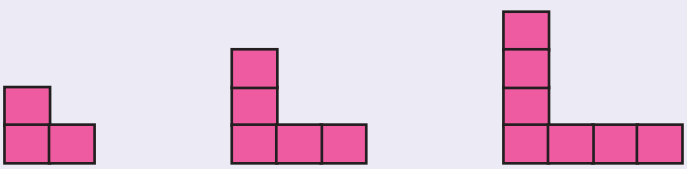
									10



Ṱharamudzani phetheni







Teacher:

Sign:

Date:





Datumu: _____

Bola, zwibogosi na siḽinda







Tangedzelani zwibogisi nga muvhala wa lutombo, bola nga mutswuku nga siḽinda nga mudala.





Khaḽarani phindulo i re yone.



Bogisi ḽi a

swenda	kunguluwa



Siḽinda ḽi a

swenda	kunguluwa



Bola ḽi a

swenda	kunguluwa



Khaḽarani phindulo i re yone.



lumeme lwa tshipulumbu (gulungwa)

lumemetswititi



lumeme lwa tshipulumbu (gulungwa)

lumemetswititi



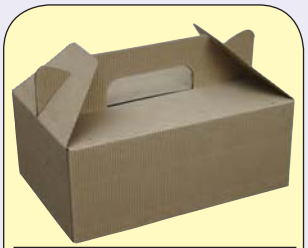
lumeme lwa tshipulumbu (gulungwa)

lumemetswititi



lumeme lwa tshipulumbu (gulungwa)

lumemetswititi



lumeme lwa tshipulumbu (gulungwa)

lumemetswititi



lumeme lwa tshipulumbu (gulungwa)

lumemetswititi



lumeme lwa tshipulumbu (gulungwa)

lumemetswititi



lumeme lwa tshipulumbu (gulungwa)

lumemetswititi

Bulani uri bola i murahu ha, phanḓa ha, tsini na kana nṱha ha bogisi.



murahu ha | phanḓa ha

tsini na | nṱha ha



murahu ha | phanḓa ha

tsini na | nṱha ha



murahu ha | phanḓa ha

tsini na | nṱha ha



murahu ha | phanḓa ha

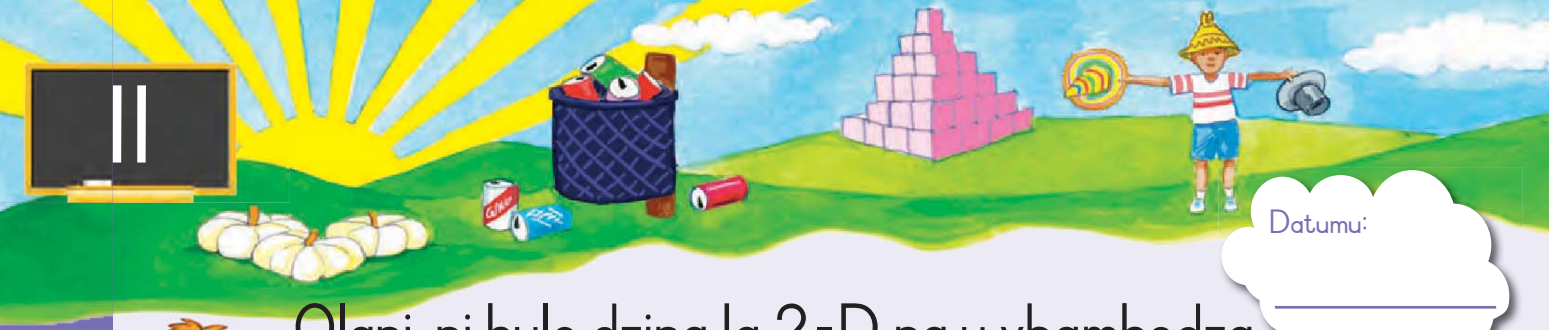
tsini na | nṱha ha

Teacher:

Sign:

Date:





Datumu: _____

Olani, ni bule dzina la 2-D na u vhambedza



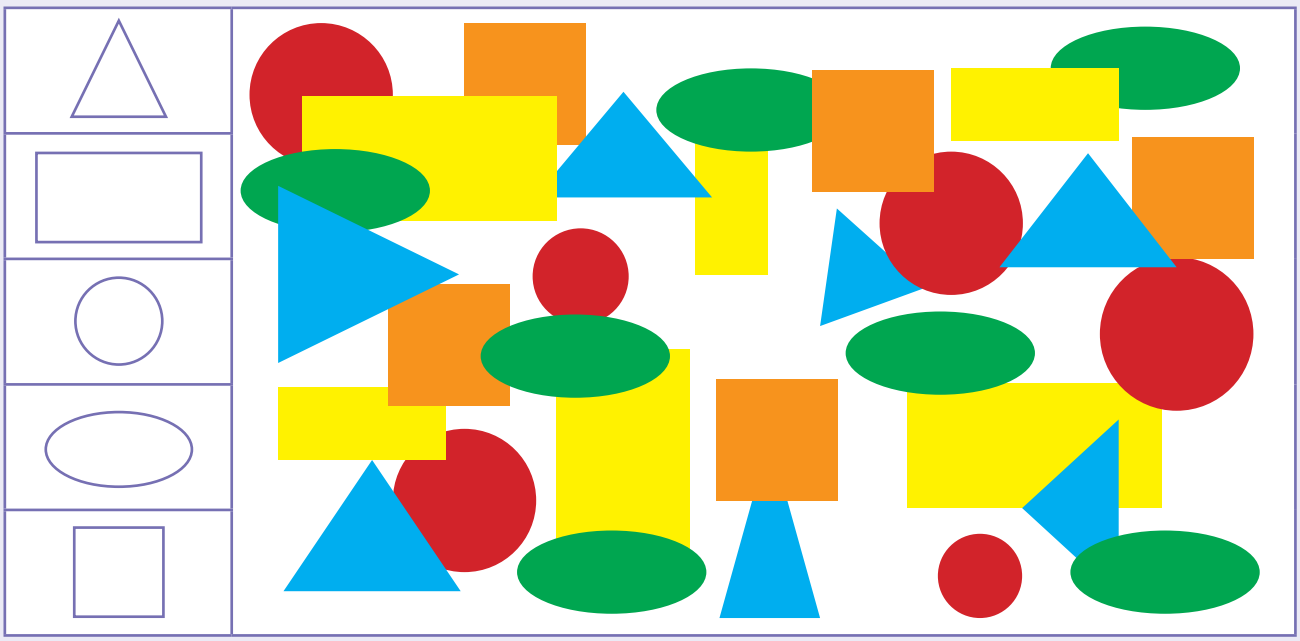
U ola zwivhumbeo

Thiraiengele		Tshitengeledzi	
Tshikwea		Rekhithengele	



U vhala zwivhumbeo

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







Khaḽarani zwoṯhe

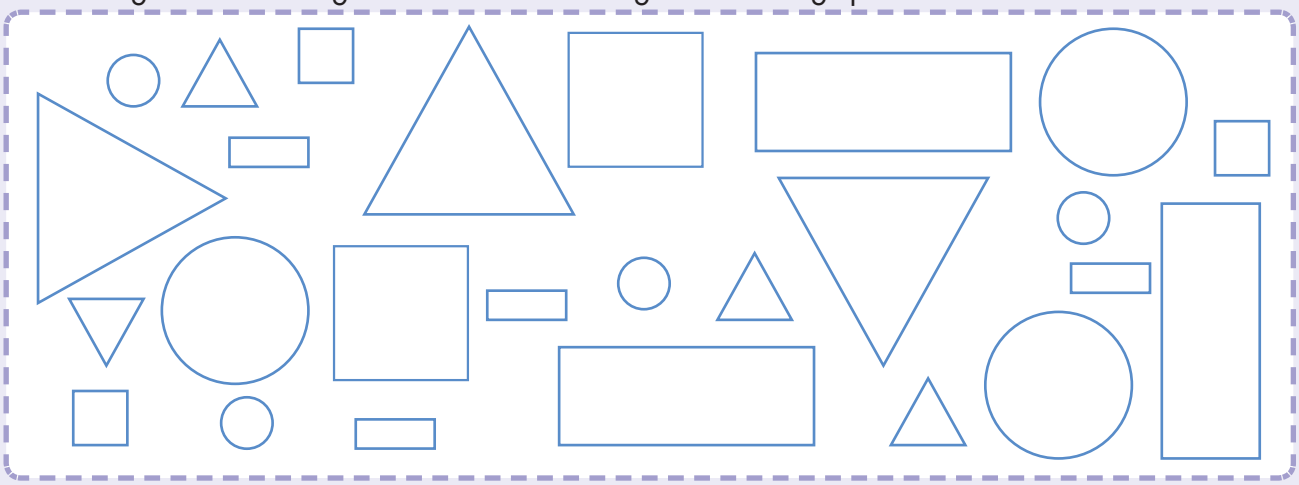


zwitendeledzi zwihulwane nga muvhala mutswuku; zwitendeledzi zwṯuku nga mudala;

thiraiengele khulwane nga wa lutombo; thiraiengele ṯhukhu nga tshitopana;

zwikwea zwihulwane nnga ṯaḓa; zwikwea zwiṯuku nga phephuḽu;

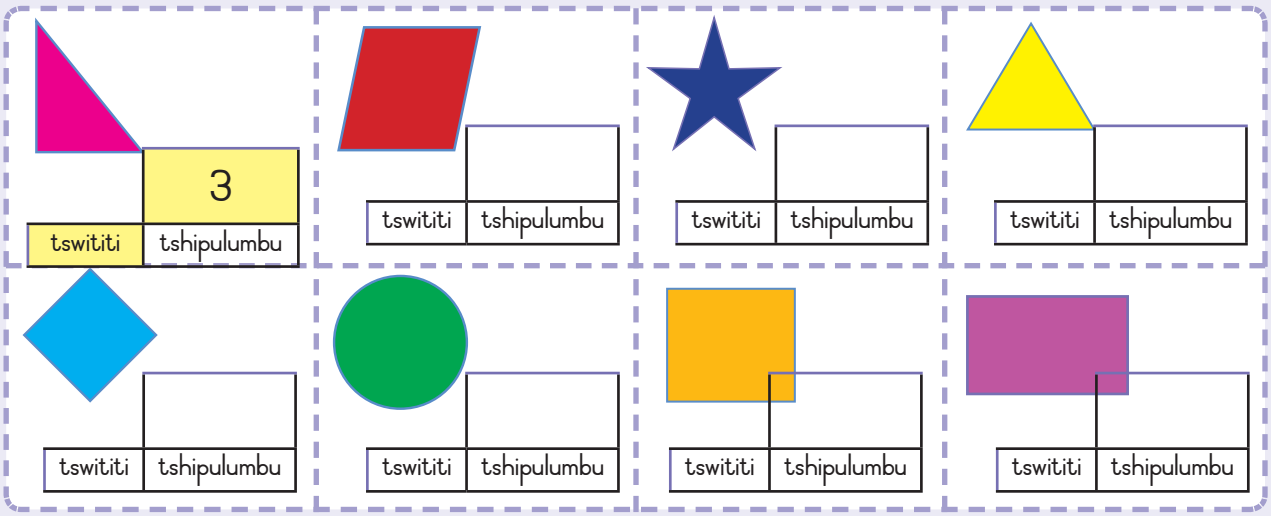
rekhithiengele khulwane nga buraweni; rekhithiengele ṯhukhu nga pinki.





Ndi masia mangana?

Ndi masia mangana ane tshivhumbeo tshiṅwe na tshiṅwe tsha vha nao? Ṅwalani nomboro i re kha tshibuḽoko. Ro ni itela nthihi. Vhurumbu ndi tswititi kana ndi tshipulumbu? Khaḽarani phindulo i re yone.



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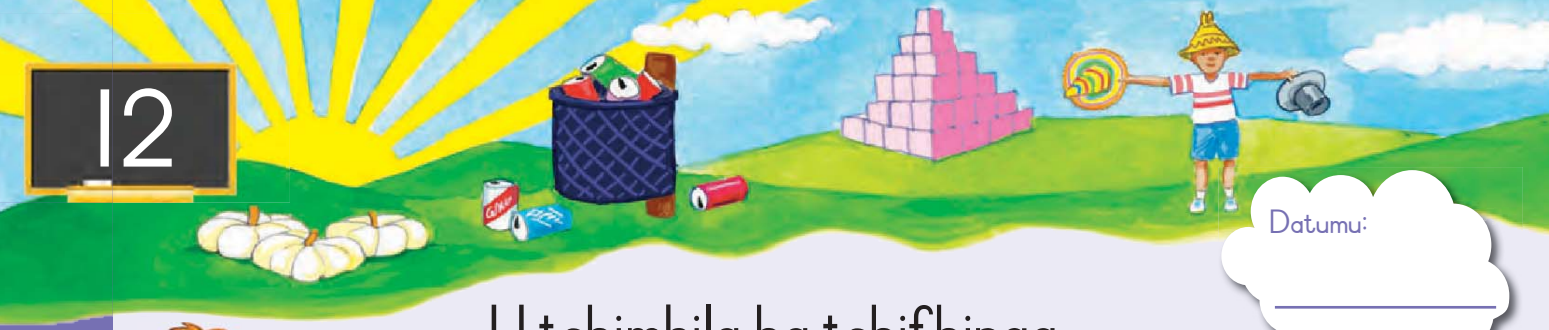


Datumu: _____

U tshimbila ha tshifhinga



U vhala tshifhinga

Ndi zwifhinga zwifhio zwine watshi idzi dza luvhondoni dza sumbedza?



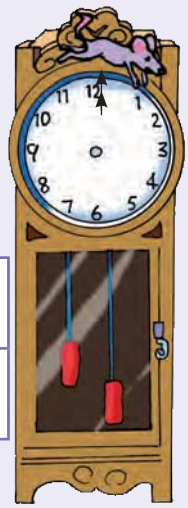



Awara ya _____ Awara ya _____ Awara ya _____ Awara ya _____



Thamuwani u mona na watshi

Thusani Minnie Mouse u vhala miminete nga dzi5.
Thomani kha 12. Ni mone nayo yo̱the.



Ni vha no vhala mimete mingana? _____

Hu na minete mingana kha awara ya I. _____



U n̓wala tshifhinga

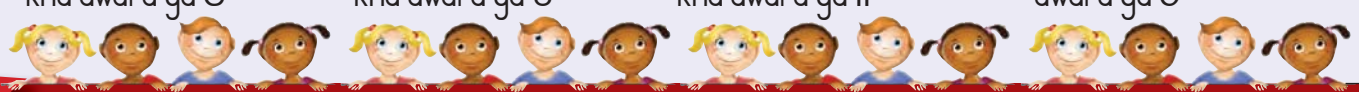
Olani ma̱nanga ni tshi sumbedza zwifhinga.


minete ya 10 u bva kha awara ya 6


minete ya 20 u bva kha awara ya 8


minete ya 5 bva kha awara ya 11


hafu u bva kha awara ya 5



1 2 3 4 5 6 7 8 9 10

Pfano u ya tshikoloni.





U bva hayani.



U swika tshikoloni.



Ḓuvha ḽa u baka

Vho Maria vha baka vhurotho.



Vhurotho vhu jena ovenini.



Vhurotho vhu a bva.



Vhurotho vhu bakiwa awara dza _____ .



Khaedu



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 Pfano a fhedza u swika tshikoloni? _____

Teacher:
Sign:
Date:

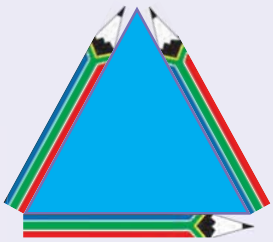


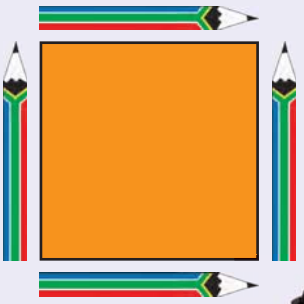
13

Datumu: _____

U pima vhulapfu











Lurumbu luṅwe na luṅwe lwa thiraiengele iyi lu na vhulapfu ha penisela dza 2.

Lurumbu luṅwe na luṅwe lwa rekhithiengele iyi lu na vhulapfu ha penisela dza 4.



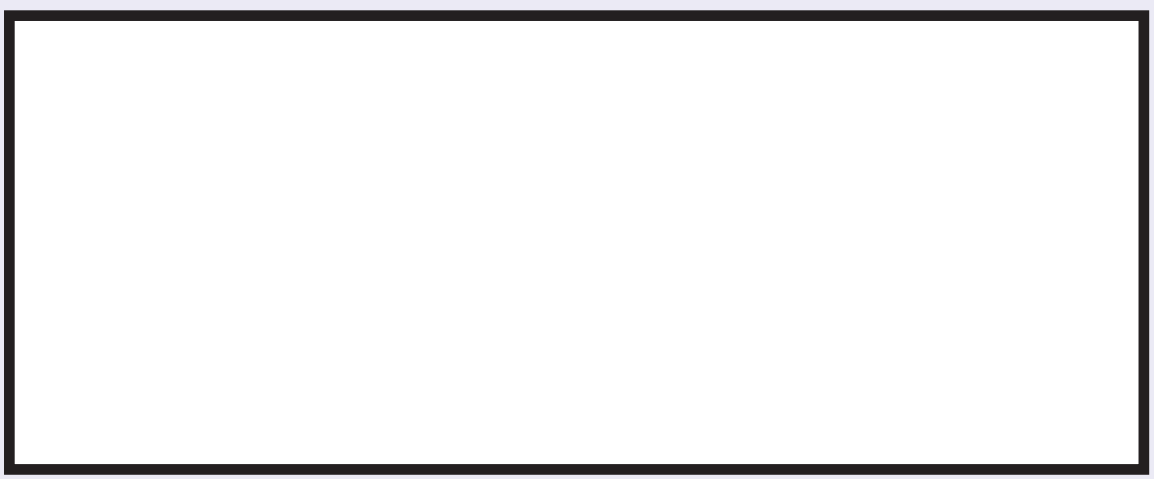


A thi ḓivhi uri rekhithiengele iyi i nga vha i na vhulapfu na u ṱanḓavhuwa zwingafhani.

Rekhithiengele iyi i na vhulapfu hungafhani ha penisela? ☐

Rekhithiengele iyi i na u ṱanḓavhuwa hungafhani ha penisela? ☐

vhulapfu



vhuphara



No shumisa penisela nga ndila ḓe kha u vhala?



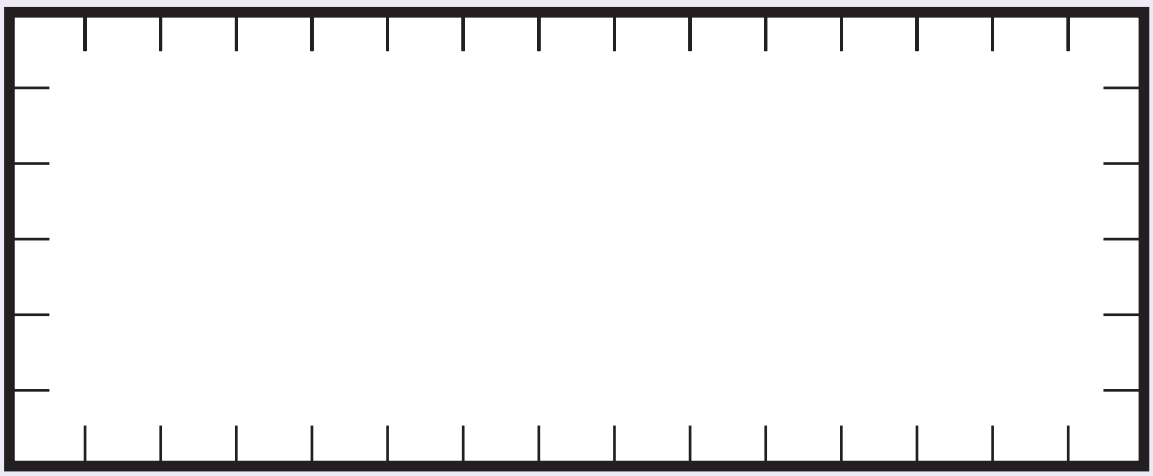


Tshibulebule tsha vhulapfu

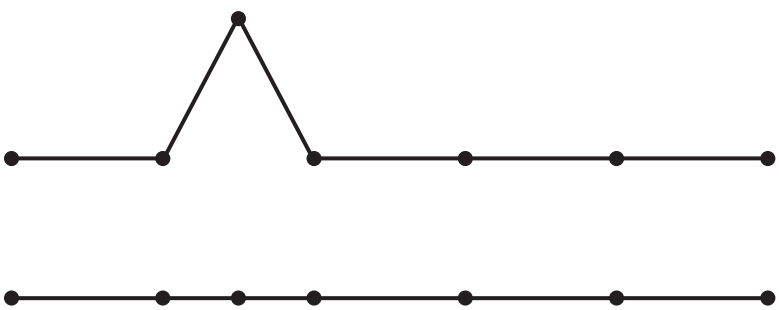
a. Ndi mitalo mingana miseṱha ine na i ṱoḓa uri ni kone u tiba mutalo mutswu?



b. Ndi mitalo mingana miseṱha ine na i ṱoḓa uri ni ḓo kona u mona na rekhitiengele?



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



Phindulo _____

Ndi ngani? _____

Teacher:
Sign:
Date:





14

Datumu: _____

Khaphasithi (ndadzo)





Ndo no shela lebula nna khaphuni

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

_____



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

a.



Kha tshifaredzi: 1 **Hu todea hafhu:** 9

b.



Kha tshifaredzi: _____ Hu todea hafhu: _____

c.



Kha tshifaredzi: _____ Hu todea hafhu: _____

d.



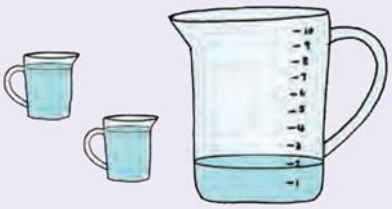
Kha tshifaredzi: _____ Hu todea hafhu: _____

e.



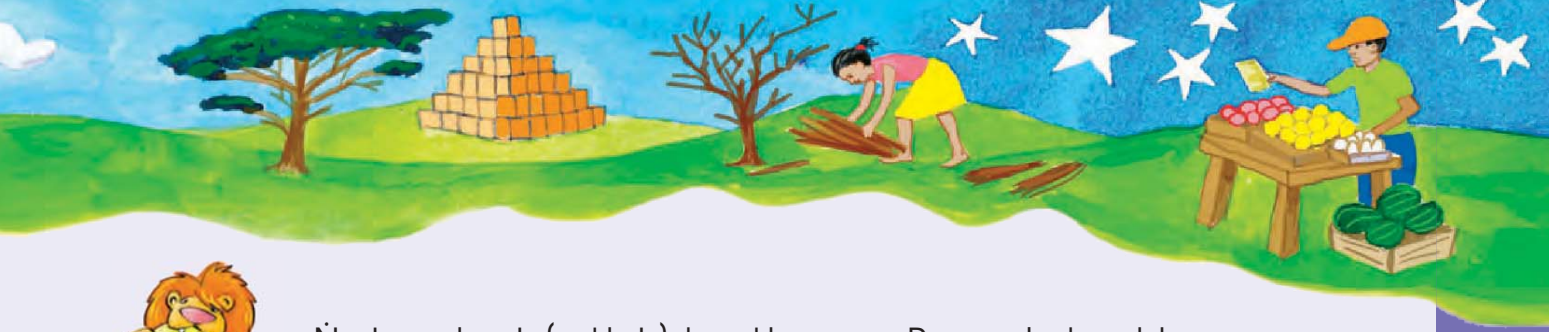
Kha tshifaredzi: _____ Hu todea hafhu: _____

f.



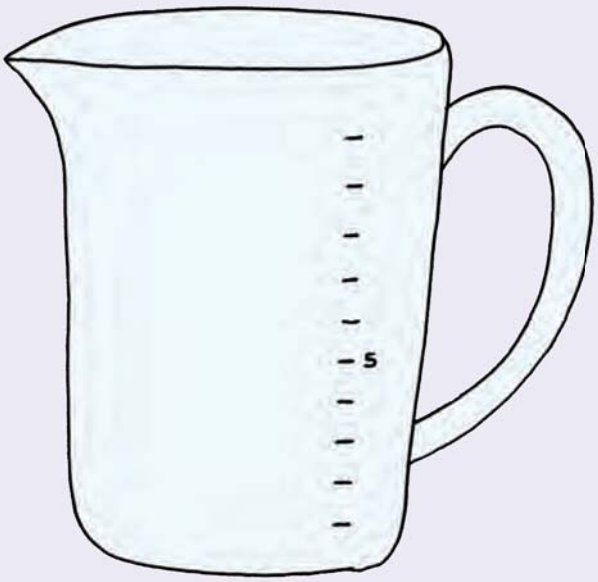
Kha tshifaredzi: _____ Hu todea hafhu: _____

1 2 3 4 5 6 7 8 9 10





Ṅwalani inthevaḽa (zwikhala) dzi re kha jege iyi. Ro ni sumbedza nthihi.



Arali khaphu nthihi i tshi ḓadza jege u swika kha inthevaḽa 2; huḓo ṱoḓea khaphu nngana uri ni ḓadze jege u swika kha:

a. 4 _____

b. 6 _____

c. 8 _____

d. 10_____



Itani thikhi kha zwifaredzi zwi re na I ḽitha ya tshiluḓi.







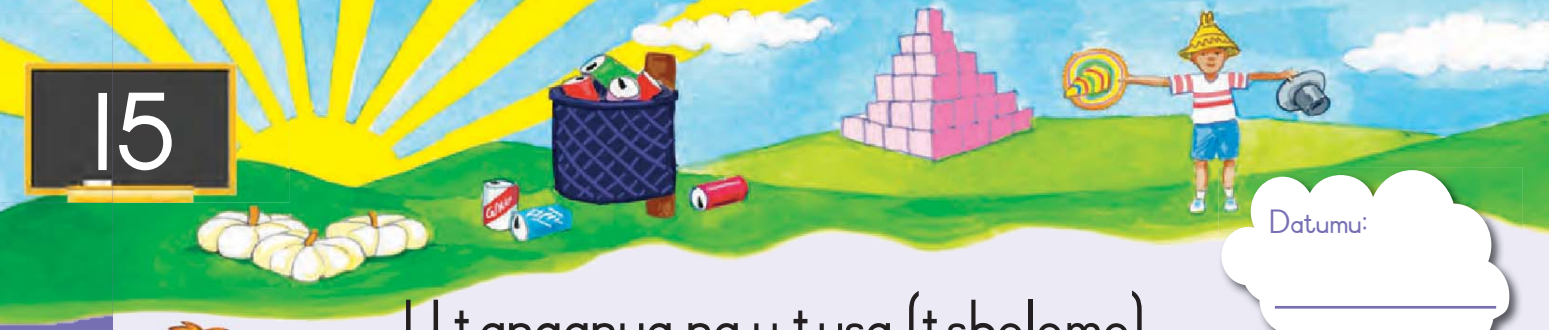






Teacher:
Sign:
Date:





15

Datumu: _____

U ṱanganya na u ṱusa (tsheleme)



Kha ri kale tshileme tshashu!



Kha u wana tshileme tshashu, uri ri lemela kana u leluwa zwingafhani, ri shumisa tshikalo.

Ri kala tshileme nga dzikhilogireme.
Ri shumisa abiriviesheni iyi: kg. Ndi nnyi a no lemelesa?



41 kg



38 kg



41 kg



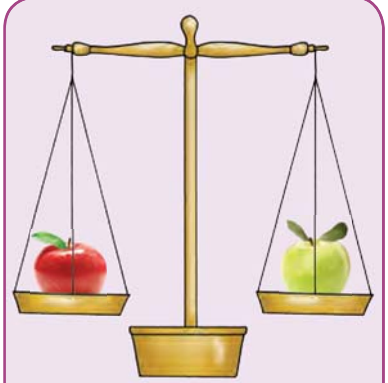
42 kg



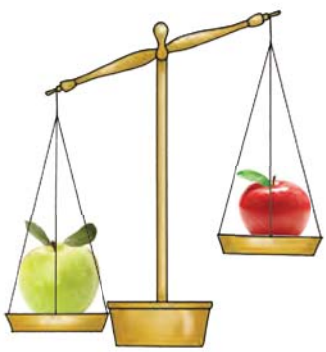
39 kg



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



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





Fhindulani mbudziso. Ṅwalani a kana b.
Ndi kha tshikalo tshifhio hune apula ḽidala ḽa lemelesa u fhira apula ḽitswuku? Ndi kha tshikalo tshifhio hune apula ḽitswuku ḽa lemelesa u fhira apula ḽidala?

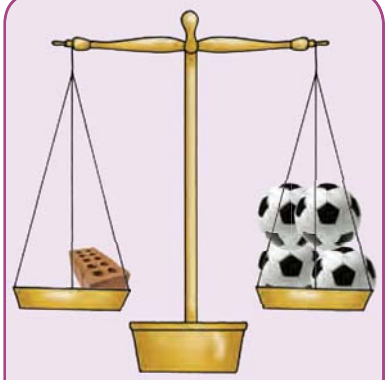
☐
☐





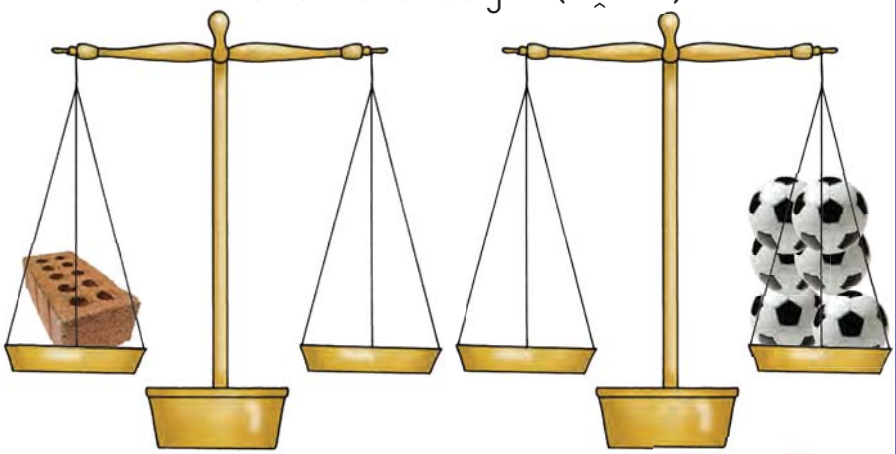
Linganyisani zwikalo

Ro dzula ro ni itela ya u thoma.



Zwidina zwivhili zwi lemela u fana na bola nn̂a.

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



4

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



a. 2 _____

b. 3 _____

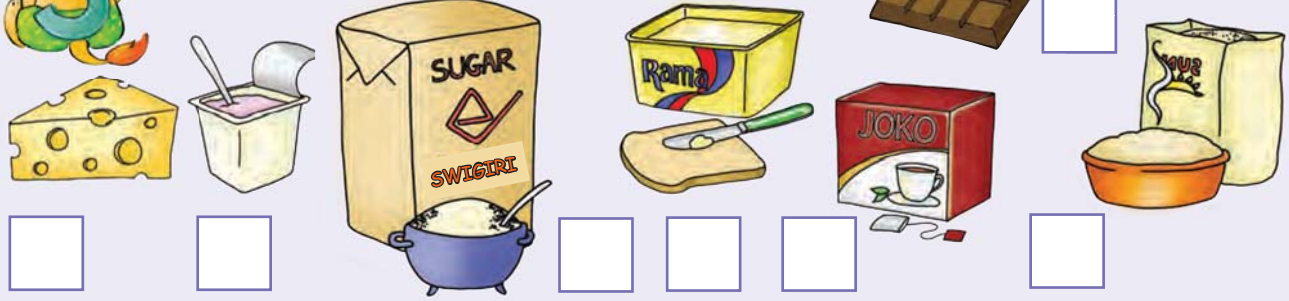
c. Ndi nga kona u kala phasela dza 4 nga luthihi kha itshi tshikalo tsha khishini? _____

Ngani? _____

_____

5

Itani thiki kha zwifaredzi zwi no hwala phakhethe dza 1 kg, 500g, 250g, 200g.



Teacher:
Sign:
Date:





16

Datumu: _____

U shumisa data



Zwienda kiḽasini



Vhalani tshiṱori

Thabo: Ndi zwavhuḓi, mufumakadzana! Jack ndi muswonḓa!
U ambara saizi 6 ya zwienda!

Mufumakadzi: Zwo luga! Ee, Thabo, iyo ndi khulwane kha muthu wa vhukale ha miṅwaha ya ṱahe! Thabo, ni ambara saizi ifhio ya tshienda? Ndi saizi ifhio ine vhaṅwe vhoṱhe kiḽasini vha ambara? Kha ri ite ṱhoḓisiso!

Vhagudi vha nga bula saizi dzavho nga muthihi nga muthihi.

Mufumakadzi Vho Khoza vha ṅwala saizi kha bodo ya u ṅwalela.

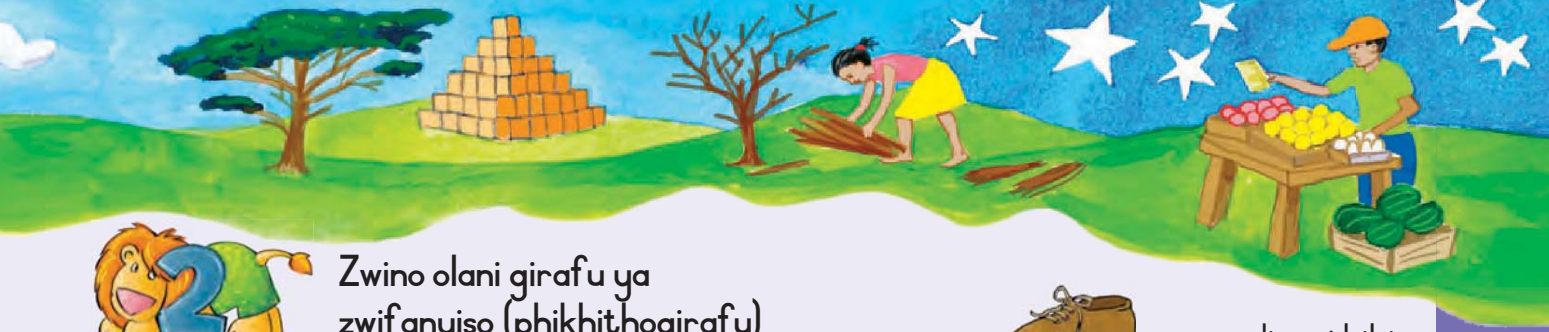
Mufumakadzi: Vhalani, ni kone u ṅwala uri saizi iṅwe na iṅwe ndi nngana kha thebuḽu.

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

Ḓadzani thebuḽu i re afho fhasi.

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

1 2 3 4 5 6 7 8 9 10



Zwino olani girafu ya zwifanyiso (phikhithogirafu)

 = mugudi muthihi

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



Zwino fhindulani mbudziso idzi.

a. Vhagudi vhanzhi vha ambara zwienda zwa saizi _____.

b. Tshivhalo tshiṱukusa tshi ambara saizi _____.

c. Vhana vha_____ vho shela mulenzhe kha ṱhoḓisiso iyi.



Zwino inwivho?

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

- Shumani nga tshigwada tsha vhana vha 6 u swika kha 8.
- Kuvhanganyani data yaṋu.
- Ṅwalani tshivhalo tsha saizi dza zwienda kha thebuḽu.
- Vhambedzani phindulo dzaṋu na zwiṅwe zwigwada.



Teacher:
Sign:
Date:

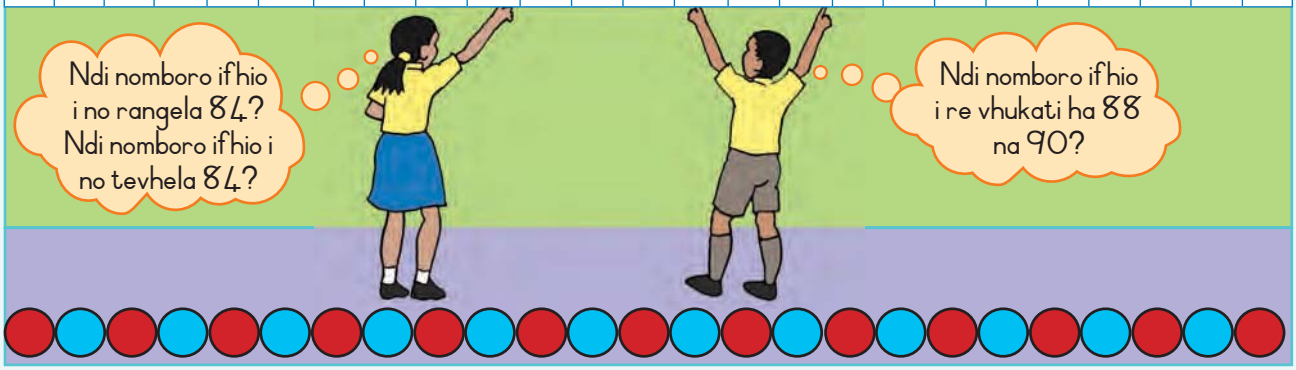


17

Datumu: _____

Vhambedzani na u vhekanya nomboro

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





Jenisani nomboro dzi no khou ṱahela.

51									
						67			
71									
									100

Shumisani bodo ya nomboro kha u fhindula mbudziso.

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

  _____
- Ṅwalani nomboro idzi dzi tshi bva kha khulwanesa dzi tshi ya kha ṱhukhusa. 74, 96, 99, 91, 38

  _____

1 2 3 4 5 6 7 8 9 10



Fhedzisani thebuḽu. Ni thome nga nomboro ye na ṋewa.

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



Tangedzelani nomboro khulwanesa

78	87	17

36	63	33

Tangedzelani nomboro ṱhukhusa

99	19	9

14	41	40



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

64 [>] 32 23 [>] 18

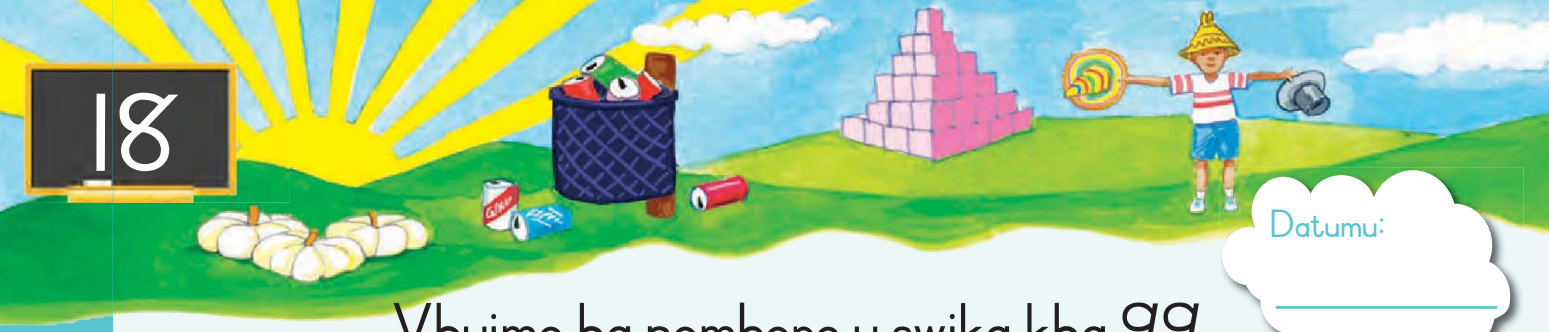
57 [ ] 98 89 [ ] 57



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

Teacher:
Sign:
Date:





18

Datumu: _____

Vhuimo ha nomboro u swika kha 99

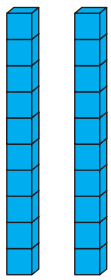


U sumbedza nomboro ni tshi shumisa zwithu

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

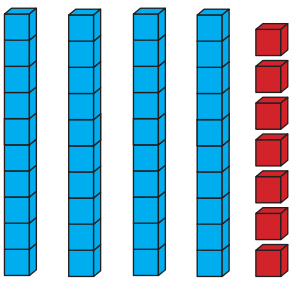
Tshibuḽoko tshiṱuku tshi imela I. Ndi **yuniti**.

Rodo ya zwibuḽoko zwiṱuku 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

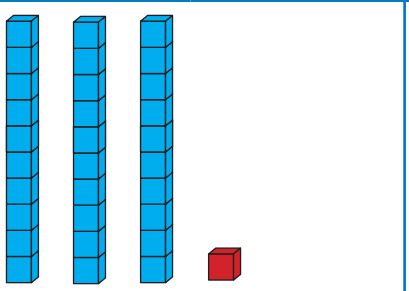
fuiṋasumbe

47

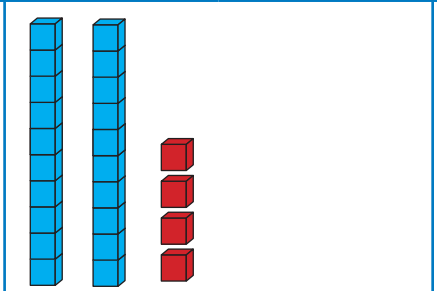


U ṅwala nomboro nga dzidijiti na maipfi

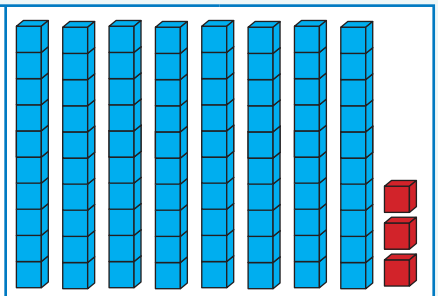
a. Nga fhasi ha tshifanyiso, ṅwalani uri hu na mahumi mangana na uri hu na yuniti nngana.
Ni kone u ṅwala nomboro nga zwiga na maipfi.



Mahumi	Yuniti
3	I
31 furaruthihi	



Mahumi	Yuniti
_____	



Mahumi	Yuniti
_____	



I 2 3 4 5 6 7 8 9 10



2 0 6

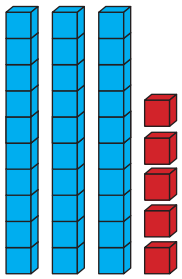
2 6

b. Ri nga kha ḓi shumisa na garaṱa dza nomboro kha u zwi sumbedza.

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



Nomboro ndi ifhio?



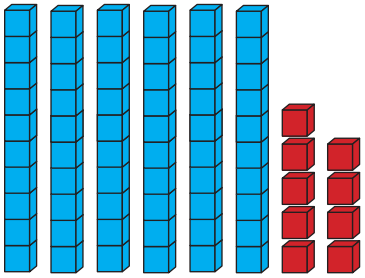
3 0 5

3 5

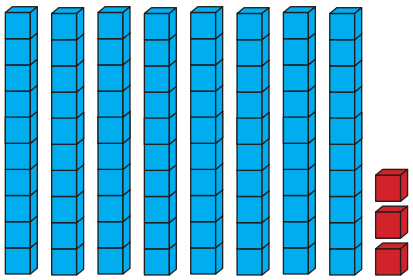
Mahumi	Yuniti
3	5

furaruṱhanu

35



Mahumi	Yuniti



Mahumi	Yuniti

Teacher:

Sign:

Date:



11 12 13 14 15 16 17 18 19 20

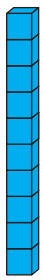
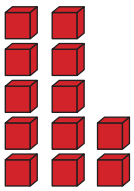
19

Datumu: _____

U vhea mahumi fhethu huthihi musi ri tshi ṱanganya na 99



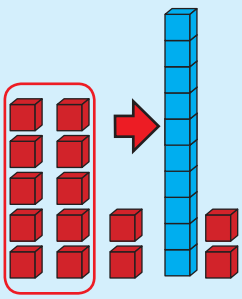
Iṅwe ndila i ya u sumbedza 22 khei.

Mahumi	Yuniti
	

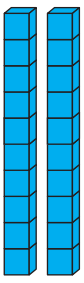
fumi I nthihi dza 12

10 10 2

Hu na yuniti dza 12.
Ri ḓo vhea 10 wadzo kha tshigwada.



Zwino ri na iṅwe ndila ya u sumbedza 22.

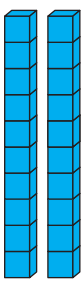
Mahumi	Yuniti
	

mahumi 2 nthihi 2

2 2

Kha ri ṱanganye 27 + 4. Zwibuḽoko zwa lutombo ndi zwone zwine ra thoma ngazwo. Zwa pinki ndi zwone zwine ra khou ṱanganyisa khazwo.

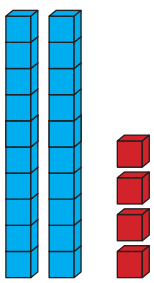
27 ndi mahumi a 2 na yuniti dza 7.
Ra kona u ṱanganya yuniti 4.

Mahumi	Yuniti
	

2 wa mahumi yuniti dza 7 + yuniti dza 4

2 0 7 4

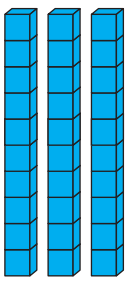
Ri na mahumi a 2 na yuniti dza 11.

Mahumi	Yuniti
	

Ri nga sumbedza yuniti dza 10 sa fumi nthihi

2 0 1 0 1

Zwino ri na
Mahumi 3 + yuniti 1 = 31

Mahumi	Yuniti
	

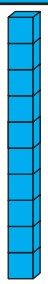
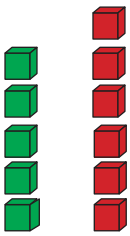
___ + ___ = ___

3 1

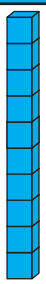
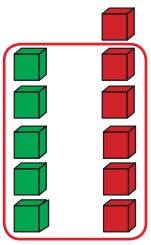




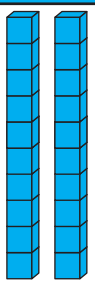
Ṅwalani fhungombalo ḽo sumbedzwaho nga tshifanyiso

Mahumi	Yuniti
	

10 + 5 + 6

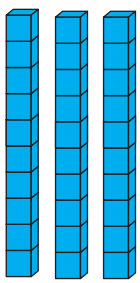
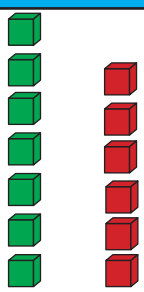
Mahumi	Yuniti
	

___ + ___ + ___

Mahumi	Yuniti
	

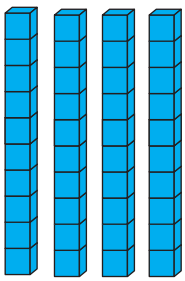
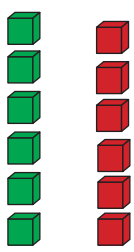
___ + ___ = ____

Fhedzisani zwifanyiso. Ṅwalani mafhungombalo a re tshifanyisoni.

Mahumi	Yuniti
	

Mahumi	Yuniti

Mahumi	Yuniti

Mahumi	Yuniti
	

Mahumi	Yuniti

Mahumi	Yuniti

Teacher:
Sign:
Date:





20a

Datumu: _____

Ṱanganyani kha mutalombalo

Dzulani desikeni yaṋu!

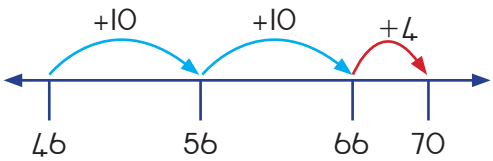
Tshikoloni tshashu mugudi muṅwe na muṅwe u na desike yawe.
Hu na vhagudi vha 46 kha Gireidi 3A na vha 24 kha Gireidi 3B.
Ndi desike nngana dzine ra ṱoḓa kiḽasini vhuvhili hadzo?



Shumani na muṅwe nga inwi

Lavhelesani uri vhagudi avha vhararu vho shumisa hani mutalombalo kha u tandulula thaidzo.
Fhedzisani mbalo ni tshi shumisa tsumbo iyi.





Ndi tea u ṱanganya 24 kha 46.



Zwine nda ita ndi hezwi: Ndi thoma nga u ṱanganyisa 10. Izwi zwi ntswikisa kha 56.
U bva hone nda fhufha iṅwe 10 nda swika kha 66.
Mafhedziseloni, ndi fhufha nga 4 hafhu nda swika kha 70.

Sumbedzani nga garaṱa dzaṅu dza nomboro.

$= 46 + 10 + 10 + 4$

$= 56 + 10 + 4$

$= 66 + 4$

$= 70$

a. $32 + 25 =$ ☐

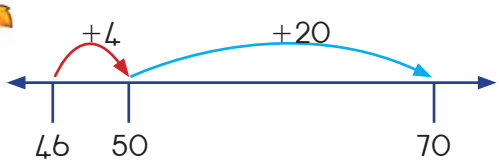




b. $52 + 26 =$ ☐

c. $46 + 25 =$ ☐





Ndi tea u ṱanganyisa 24 kha 46.



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

Sumbedzani nga garaṱa dzaṋu dza nomboro.

$= 40 + 10 + 20$

$= 50 + 20$

$= 70$

a. $36 + 41 =$ ☐

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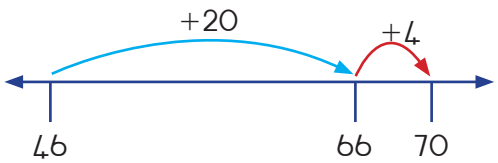
b. 57 + 19 = ☐





Ndi tea u ṱanganya 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 ḓi shumisa na garaṱa dza nomboro

= 46 + 20 + 4
= 66 + 4
= 70

40 + 6 + 20 + 4

a. 63 + 24 =

b. 65 + 29 =



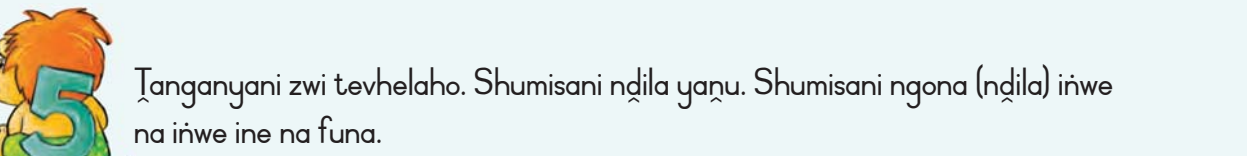


Ndi ḽofo nngana?

Mubaki u ḓisa ḽofo dza 54 dza burauni  na dza 68 tshena  .

Ndi ḽofo nngana dzo ṱangana dzoṱhe?

a. Wanani ṱhanganyelo kha mutalombalo. Sumbedzani nomboro na saizi dza kuf huf hele.



Ṱanganyani zwi tevhelaho. Shumisani nḓila yaṋu. Shumisani ngona (nḓila) iṅwe na iṅwe ine na funa.

38 + 24 =

58 + 17 =

75 + 16 =

83 + 29 =

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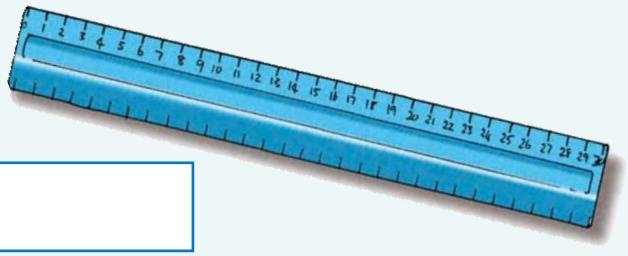
Ṱusani kha mutalombalo

Mugudi muthihi! Ruḽa nthihi!



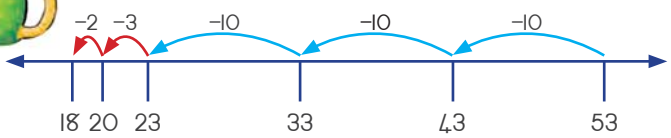
Kiḽasi i ṱoḓa ruḽa dza 53. Ri na dza 35 fhedzi.

Ndi nngana dzine ra dzi ṱoḓa? 53 – 35 = ☐

Shumani na muṅwe nga inwi

Vhalani uri vhagudi vhararu vhenevhaḽa vhathihi vha shumisa hani mutalombalo afha. Fhedzisani ṱhanganyelo ni tshi shumisa tsumbo.





Ndi tea u ṱusa 35 u bva kha 53. Muṱuso zwi amba u bvisa.



Ndi ḓo thoma kha 53 nda jia. Ndi ḓo bviza 10, 10, 10 – izwo zwi ḓo ntswikisa kha 23. Zwino ndi tea u bvisa ṱhanu, ndi thoma nga u jia 3, nda swika kha 20. Ndi jia hafhu 2 nda wana 18. Zwi amba uri ri ṱoḓa ruḽa dza 18.

= 53 – 10 – 10 – 10 – 3 – 2

= 43 – 10 – 10 – 3 – 2

= 33 – 10 – 3 – 2

= 23 – 3 – 2

= 20 – 2

= 18

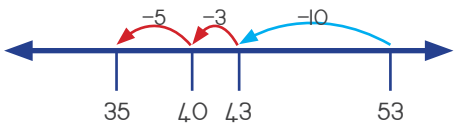


a. $68 - 24 =$ ☐

b. $74 - 38 =$ ☐

c. $92 - 87 =$ ☐





Mu ṱ uso zwi amba uri wanani phambano vhukati ha 53 na 35.



Ndi ḓo 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 ṱanganyisa na 3 ra ṱanganyisa na ṱhanu ndi 18. Zwi amba uri ri ṱoḓa ruḽa dziṅwe dza 18.

a. $38 - 14 =$ ☐

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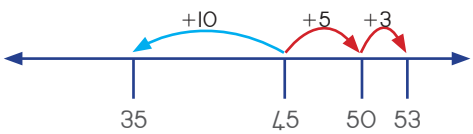
b. 65 – 43 = ☐

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 ṱanganyisa na ṱhanu ra ṱanganyisa na raru ndi 18. Ri ṱoḓa ruḽa dziṅwe dza 18.

a. 84 – 32 = ☐

1 2 3 4 5 6 7 8 9 10



b. 96 – 53 = ☐

c. 78 – 19 = ☐

d. 63 – 47 = ☐

4 U tshimbila nga thekhisi



Lwendo lwa u ya ḓoroboni 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 ṱusa, u vhala ni tshi ya phanḓa kana murahu. Ḽeibeḽani he na fhufha na nomboro kha mutalombalo.

km

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Sign:
Date:





Datumu: _____

Ndi tshifhinga tsha phathi



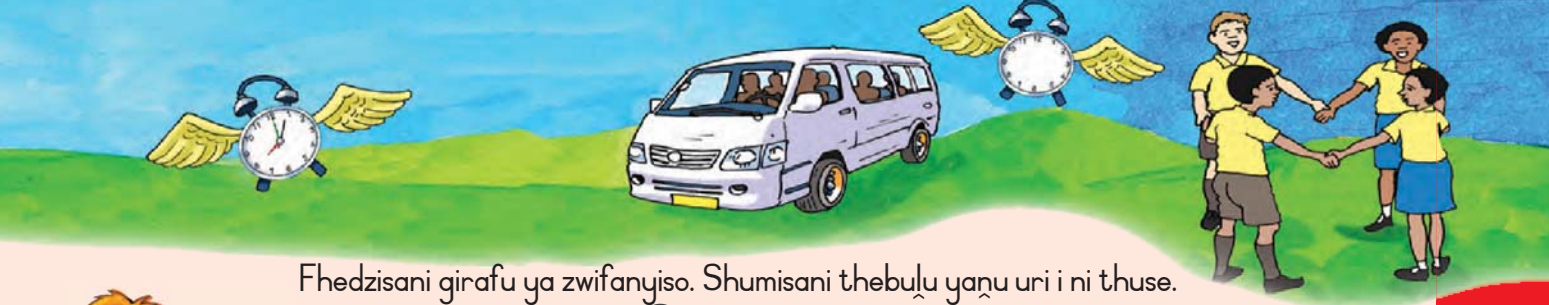
Pulane ya u thoma!

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



Vhalani, ni ṅwale uri ndi khonani nngana dzo nangaho lushaka luṅwe na luṅwe lwa zwiḽiwa.				
				
Nomboro				





Fhedzisani girafu ya zwifanyiso. Shumisani thebulu yanu uri i ni thuse.
Olani tshifanyiso tshithihi (☺) kha ṅwana muṅwe na muṅwe ane a nanga lushaka lwo raloho lwa tshiliwa kana tshinwiwa.

☺			
☺			
☺			
☺			
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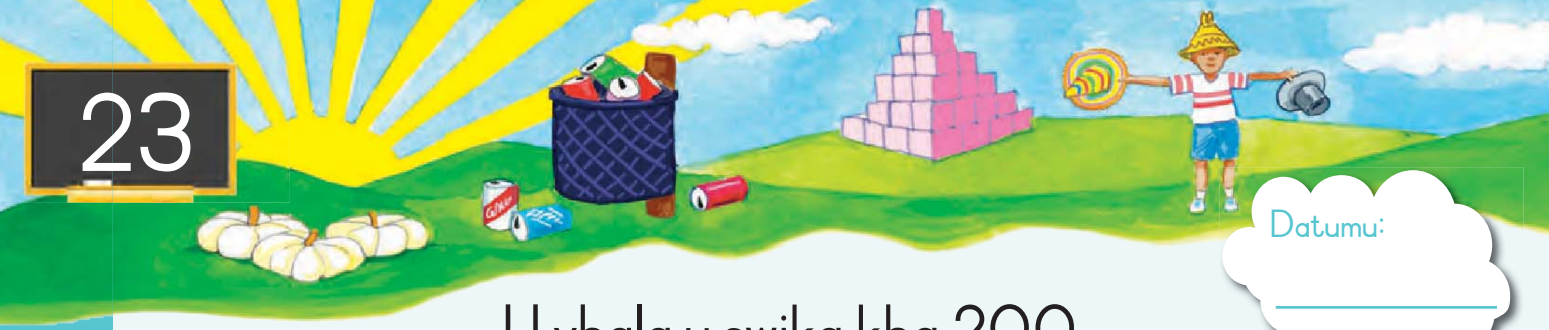
Date:

11 12 13 14 15 16 17 18 19 20



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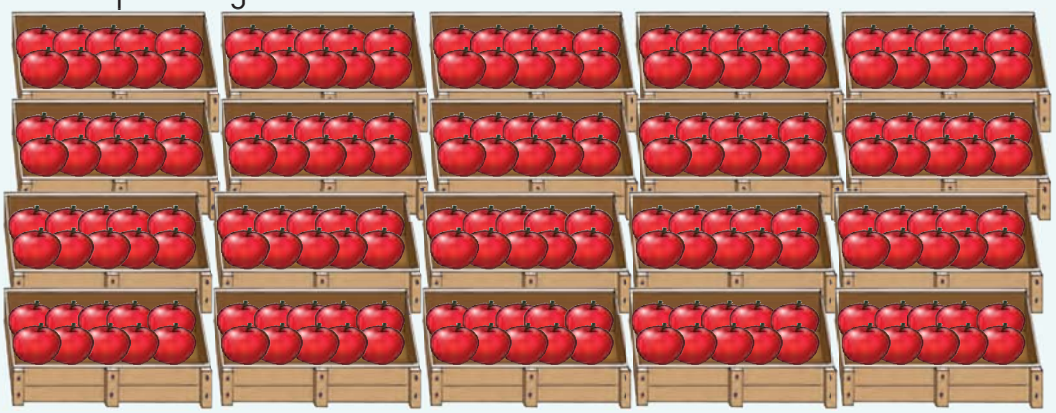
Datumu: _____

U vhala u swika kha 200



Ndi maapula mangana ane na kona u a vhona?



Jenisani nomboro

Bogisi ḽa I ḽi na maapula ☐ Rou ya I i na maapula ☐

Rou ya I i na mabogisi ☐ Rou dza 4 dzi na maapula ☐



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

a.  ☐

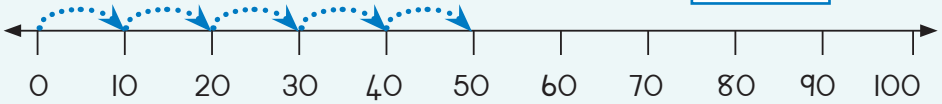
b.  ☐

c.  ☐

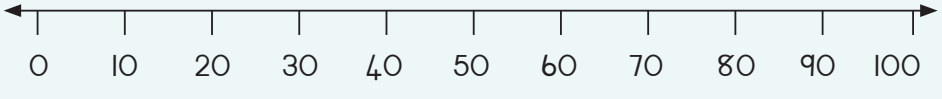


Zwisumbedzeni kha mutalombalo.

a. Hu ḓo vha na maapula mangana mabogisihi maṱanu? ☐



b. Hu ḓo vha na maapula mangana mabogisi a sumbe? ☐







zwiṱhopho (ḽoto) zwa 3 zwa 10 zwi ita – 3 × 10 = 30 kana 10 × 3 = 30

zwiṱhopho zwa 5 zwa 10 zwi ita – ☐ × ☐ = ☐ kana ☐ × ☐ = ☐

zwiṱhopho zwa 2 zwa 10 zwi ita – ☐ × ☐ = ☐ kana ☐ × ☐ = ☐

Phere dza 5 dza milenzhe.

Hu na zwikunwe zwingana zwo ṱangana zwoṱhe?



10 + 10 + 10 + 10 + 10 = 5 0 5 × 10 = ☐ kana 10 × 5 = ☐

Shumisani ndila yeneyi kha u shuma hedzi.

Phere dza 4 dza ṋayo. Hu na zwikunwe zwingana zwo ṱangana zwoṱhe?

_____ = ☐ ____ × ____ = ☐ kana ____ × ____ = ☐

Phere dza 3 dza ṋayo. Hu na zwikunwe zwingana zwo ṱangana zwoṱhe?

_____ = ☐ ____ × ____ = ☐ kana ____ × ____ = ☐

Kha ri vhale (vhalele)

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

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

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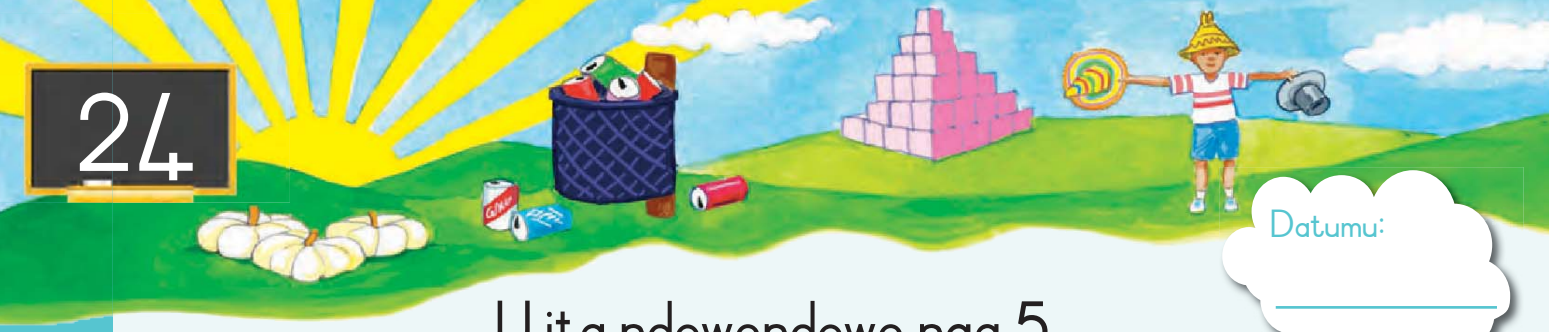
Date:

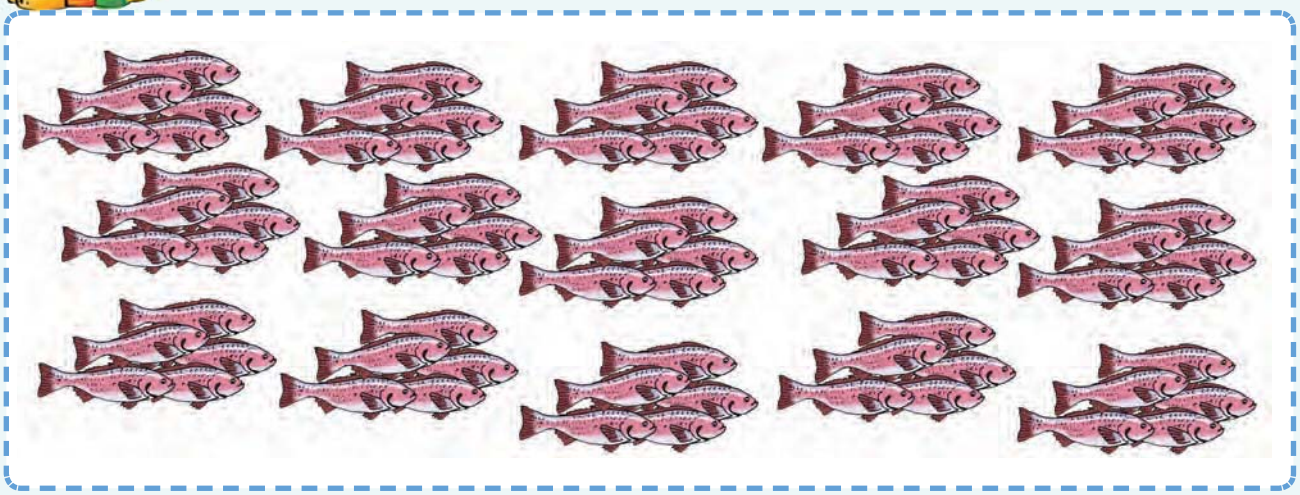


Datumu: _____

U ita ndowendowe nga 5



Hu na khovhe nngana? Anganyelani ☐



Zwino vhalani khovhe. Wanani ṱhanganyelo. ☐



Vhalani nga 5

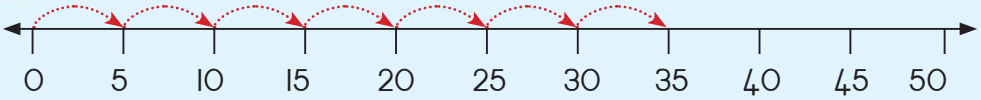
Wanani ṱhanganyelo yoṱhe ya makumba a khovhe. Ṅwalani fhungombalo ḽa + na ×. Ro ni itela ya u thoma.

Khovhe na makumba	Ndi makumba mangana o ṱangana oṱhe?	
Khovhe dza 5, iṅwe na iṅwe i kudzela makumba a 2	2 + 2 + 2 + 2 + 2 = 10	5 × 2 = 10
Khovhe dza 5, iṅwe na iṅwe i kudzela makumba a 10		
Khovhe dza 5, iṅwe na iṅwe i kudzela makumba a 4		
Khovhe dza 5, iṅwe na iṅwe i kudzela makumba a 3		
Khovhe dza 5, iṅwe na iṅwe i kudzela makumba a 6		
Khovhe dza 5, iṅwe na iṅwe i kudzela makumba a 8		
Khovhe dza 5, iṅwe na iṅwe i kudzela makumba a 5		



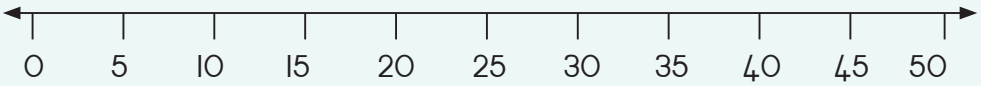


Fhedzisani mafhungombalo na mitalombalo



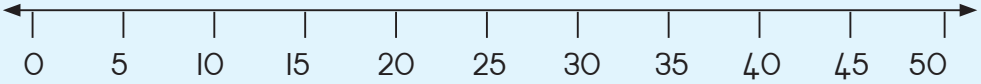
5 + 5 + 5 + 5 + 5 + 5 + 5 = 35 kana 7 × 5 = 35

a.



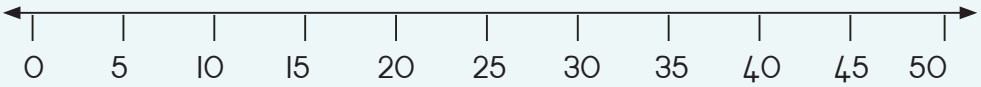
5 + 5 + 5 + 5 = ☐ kana ☐ × ☐ = ☐

b.



5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = ☐ kana ☐ × ☐ = ☐

c.



_ + _ + _ + _ + _ + _ + _ + _ + _ + _ = ☐ kana 10 × 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 I yo salaho.

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

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Vhalani nga 2



U vhala masogisi



a.	Ndi phere nngana dza masogisi? _____
b.	Hu na masogisi mangana? _____
c.	Hu na masogisi o salaho? _____

1 2 3 4 5 6 7 8 9 10



U vha phere dza sogisi

Ṅwalani 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

Datumu: _____

U vhala nga 2 (u isa phanḓa)



U fhaṱa phere

Ṅwalani nomboro dza ivini u thoma kha 0 u swika kha 60.

a. Ṅwalani nomboro dza ivini dza u thoma kha 1–40.

2, 4, 6, _____

_____

_____

b. Ṅwalani nomboro dza odo dza u thoma kha 1–40.

3, 5, 7, _____

_____

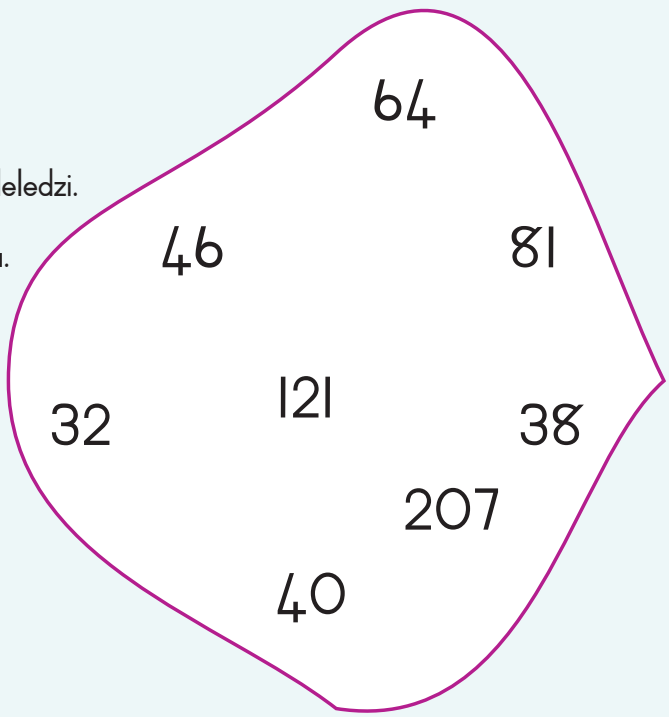
_____



Dziodo na dziivini

Tangedzelani nomboro dza ivini nga zwitendeledzi.

Tangedzelani nomboro dza odo nga zwikwea.







U bva kha phere u ya kha sogisi

Tsumbo:

Sogisi dza 2 = phere ya 1 

$2 \times 1 = 2$

Sogisi dza 20 = phere dza 10

$2 \times 10 = 20$

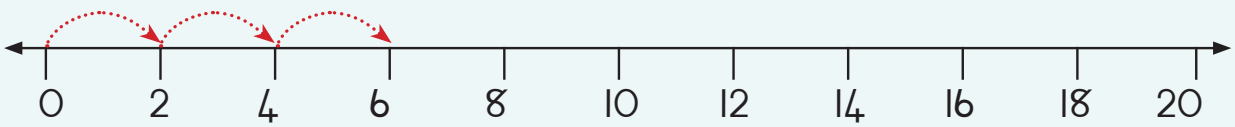
Ṅwalani uri ndi masogisi mangana.

Humbulani nga 2	Fhungombalo
1 phere = masogisi a 2	2 × 1 = 2
2 phere = _____ sogisi	2 × 2 =
4 phere = _____ sogisi	
8 phere = _____ sogisi	
9 phere = _____ sogisi	

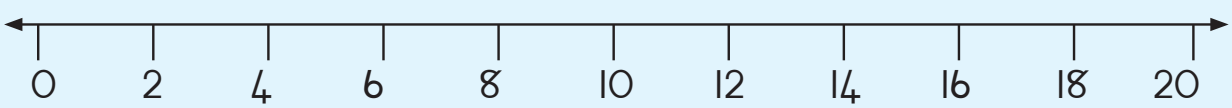
Sumbedzani mbalo kha mutalombalo ni fhedzise.

Tsumbo:

$2 + 2 + 2 = 6$ or $3 \times 2 = 6$



$2 + 2 + 2 + 2 + 2 + 2 + 2 =$ ☐ kana ☐ × ☐ = ☐



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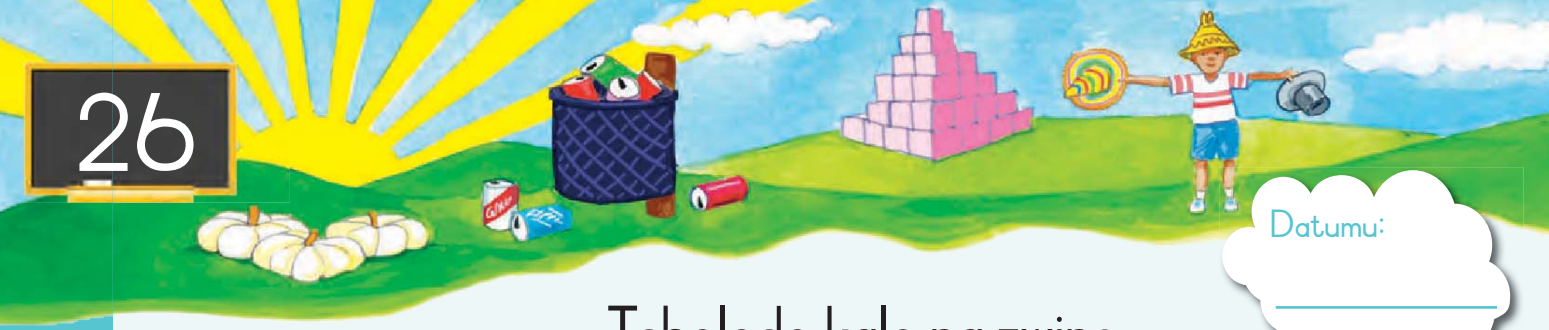


Datumu: _____

Tshelede kale na zwino



Nganetshelo ya tshelede yashu

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

Tshifhinganī tshenetsho khoini ya senthe 1 yo vha i ṱhukhusa, ha tevhela ya 2 senthe ha kona u ḓa 5 senthe.









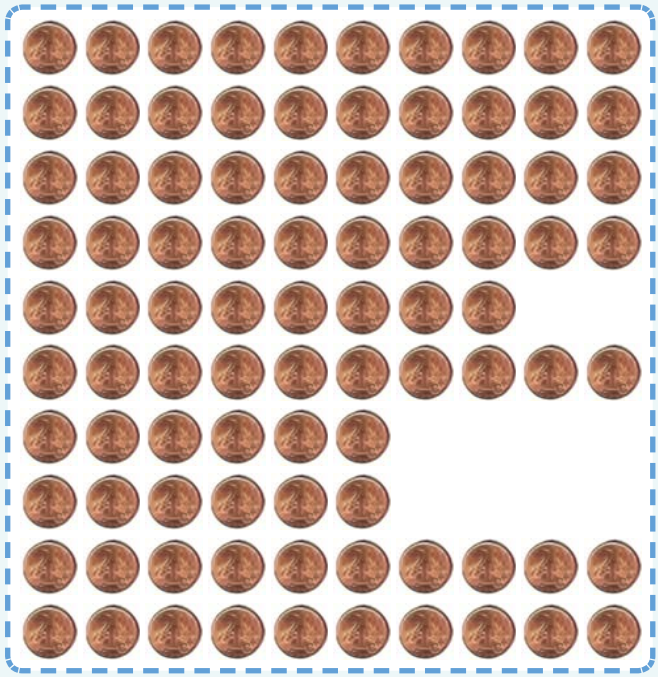
Vhalani masenthe

Vhalani masenthe.

Ndi masenthe mangana ane na vha nao?

Hu ṱoḓea maṅwe mangana uri a ite R1,00?

A oleni kha tshibuḽoko





Ndi masenthe mangana?

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



Tshi ḓura vhugai?

2  a ita R3,00.

Ni wana miomva mingana nga R20,00?

2  a ita R2,00.

Ni wana maapula mangana nga R9,00?

Teacher:

Sign:

Date:



11 12 13 14 15 16 17 18 19 20



27

Datumu: _____

U vhala nga 3



Malinga nga 3



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

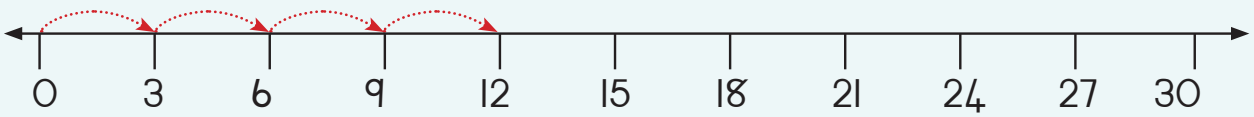


thiraisaikili dza 5 dzi na malinga a _____	$3 + 3 + 3 + 3 + 3 = 5 \times 3 =$ _____
thiraisaikili dza 2 dzi na malinga a _____	$3 + 3 = 2 \times 3 =$ _____
thiraisaikili dza 4 dzi na malinga a _____	
thiraisaikili dza 6 dzi na malinga a _____	
thiraisaikili dza 9 dzi na malinga a _____	
thiraisaikili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



Mitalombalo

Tevhedzani tsumbo



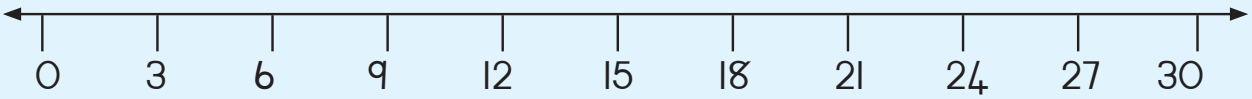
a. $3 + 3 + 3 + 3 =$ ☐ $= 4 \times 3 =$ ☐



1 2 3 4 5 6 7 8 9 10

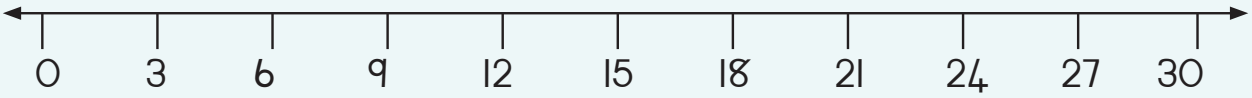


b.



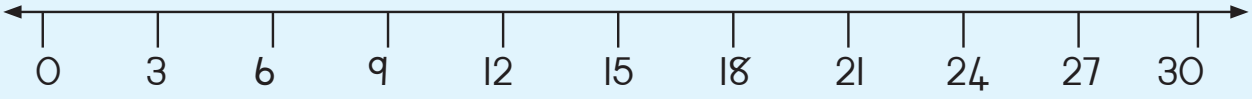
$3 + 3 + 3 + 3 + 3 = \square = \square \times \square = \square$

c.



$\_\_\_\_\_ = \square = 6 \times 3 = \square$

d.



$\_\_\_\_\_ = \square = 10 \times 3 = \square$



Baisigira dza malinga mavhili na baisigira dza malinga mararu



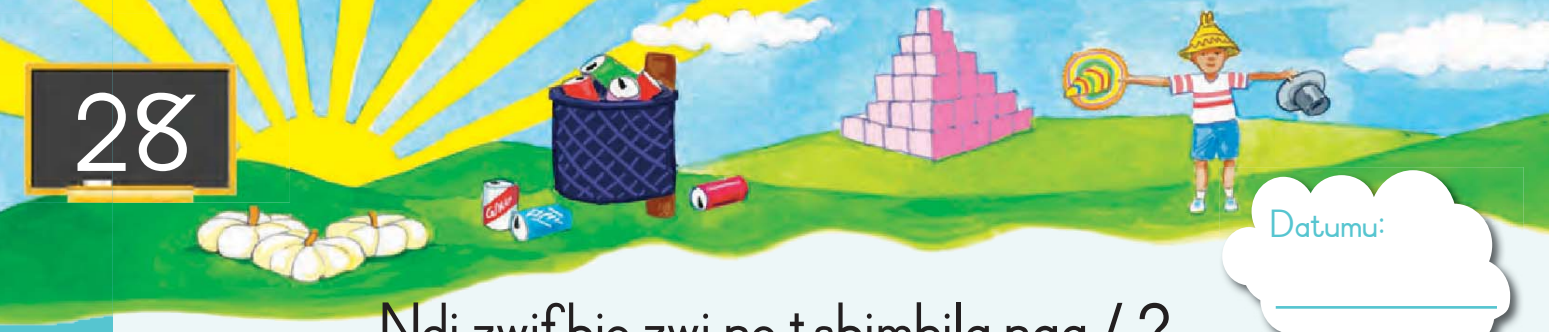


Vhengeleni ḽa baisigira Mulanga u vhala malinga a baisigira dza malinga mavhili na a baisigira dza malinga mararu. Hu na malinga a 14 o ṱangana.

Hu na baisigira nngana malinga mavhili? _____
Hu na baisigira dza malinga mararu nngana? _____

Teacher:
Sign:
Date:





28

Datumu: _____

Ndi zwifhio zwi no tshimbila nga 4?



Milenzhe miṅa

Zwiṅwevho nga nomboro 4 ...
4 + 4 = 8; 2 × 4 = 8



Milenzhe ya kholomo ndi 4.

Ndi mini tshiṅwe hafhu tshine tsha vha zwiṅazwiṅa? _____



U vhala milenzhe

Kovhanani phindulo.
Ṱalutshedzani zwe na ita.

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

Kholomo  ya I 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 ☐





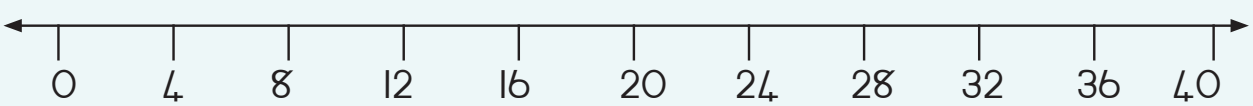
kholomo dza 3 dzi na milenzhe ya _____	$4 + 4 + 4 = 4 \times 3 =$ 12
kholomo dza 5 dzi na milenzhe ya _____	
kholomo dza 4 dzi na milenzhe ya _____	
kholomo dza 7 dzi na milenzhe ya _____	
kholomo dza 8 dzi na milenzhe ya _____	



Mitalombalo

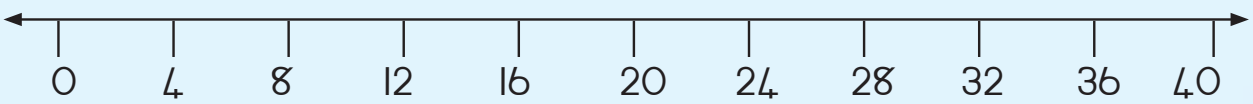
Fhedzisani zwi tevhelaho ni zwi sumbedze kha mutalombalo.

a.



_____ = ☐ = $5 \times 4 =$ ☐

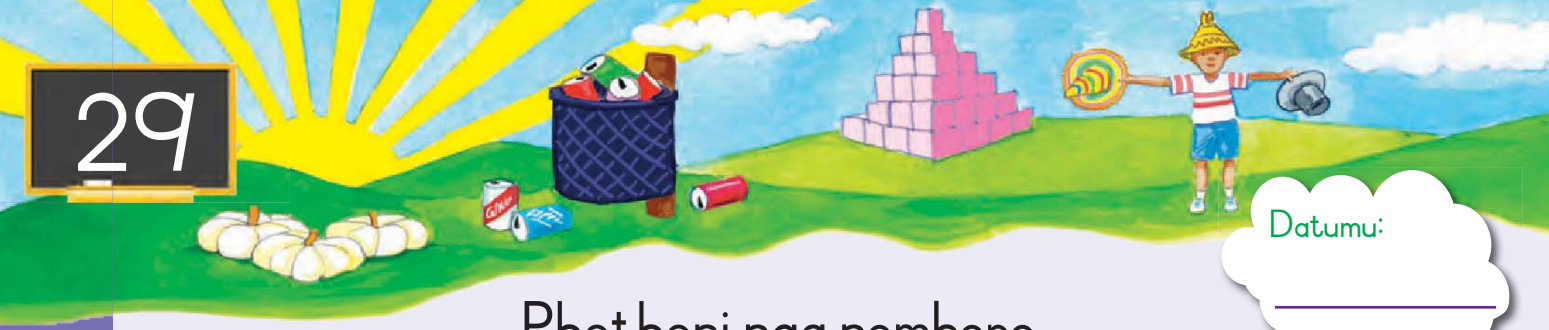
b.



_____ = ☐ = $9 \times 4 =$ ☐

Teacher:
Sign:
Date:





Datumu: _____

Phetheni nga nomboro



Phetheni dza giridi

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

Olani zwitengeledzi zwiṅwe nga nṱha ni tshi fhedzisa phetheni iṅwe na iṅwe.

Ṅwalani dzina ḽa phetheni iṅwe na iṅwe.

a. Phetheni: _____

				o					o
				o					o
				o					o
				o					o
				o					o
				o					o

b. Phetheni: _____

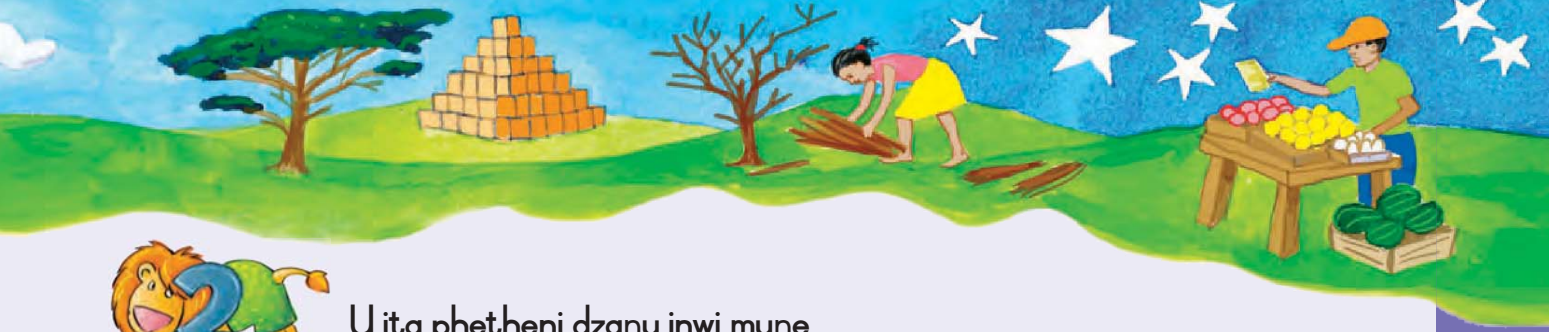
	o		o		o		o		o
	o		o		o		o		o
	o		o		o		o		o
	o		o		o		o		o
	o		o		o		o		o
	o		o		o		o		o

c. Phetheni: _____

		o			o			o	
	o			o			o		
o			o			o			
		o			o				
	o			o					
o			o						

d. Phetheni: _____

			o				o		
	o				o				o
			o				o		
	o				o				o

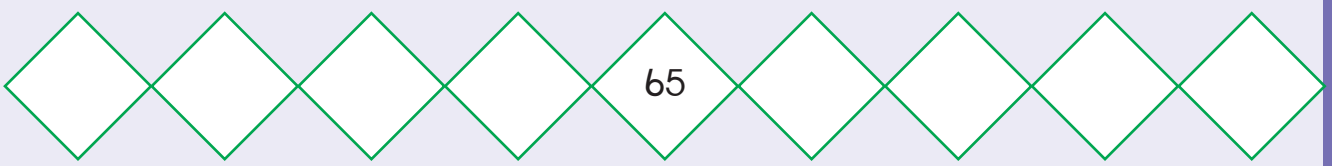


U ita phetheni dzaṋu inwi muṋe

a. Kha phetheni ya nomboro iyi nomboro dzoṱhe ndi ivini. Dziṅwe nomboro dzi nga vha dzi nomboroḍe? Dzi ṅwaleni.



b. Kha phetheni ya nomboro, nomboro dzoṱhe ndi dza odo. Dziṅwe nomboro dzi nga vha dzi nomboroḍe? Dzi ṅwaleni.



Dzi wela ngafhi?





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 1 yo salaho. _____

U dzi vhala nga 5, u na 4 dzo salaho. _____

Ndi khamba dza khumba dza lwanzheni nngana dzine Thembi a vha nadzo?

Teacher:



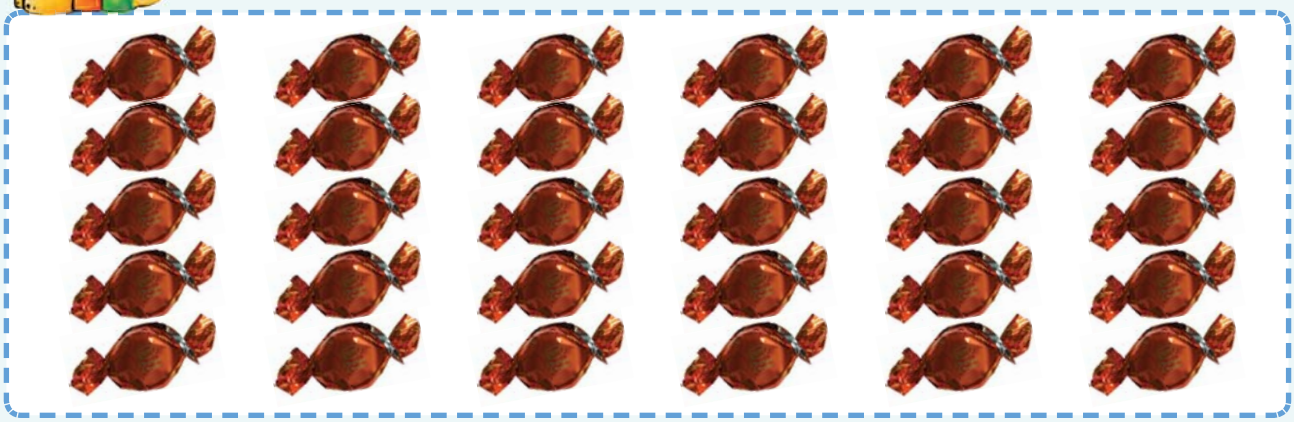
30a

Datumu: _____

Mukovho



Kovhani maḽegere



a. Kovhelani vhana vha 2 maḽegere a 30.



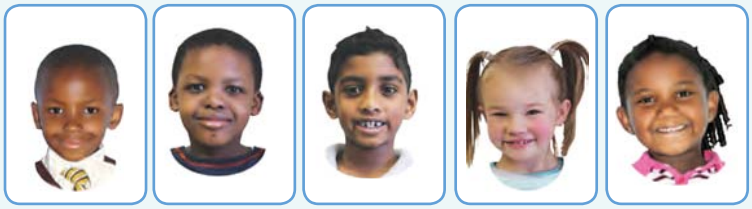
Ri nga i ṅwala sa 30 ÷ 2 = 15

b. Kovhelani vhana vha 3 maḽegere.



÷ =

c. Kovhelani vhana vha 5 maḽegere.

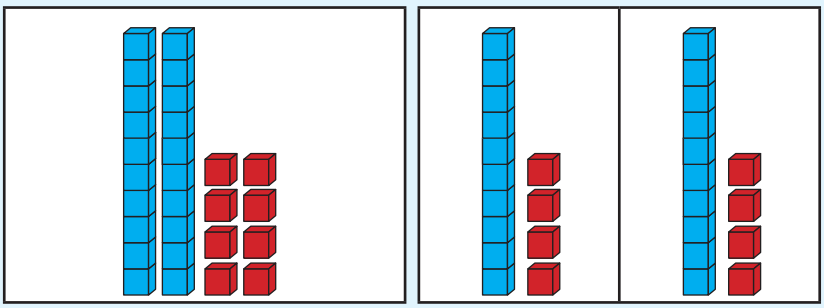


÷ =

1 2 3 4 5 6 7 8 9 10



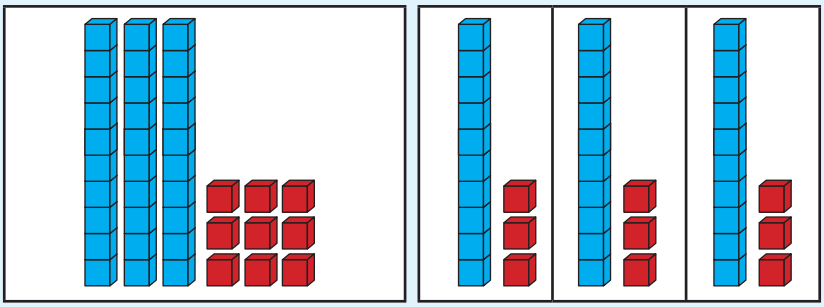
Ri nga shumisa zwibuloko zwa nomboro kha mukovho.



2 8 ÷ 2 = 1 4

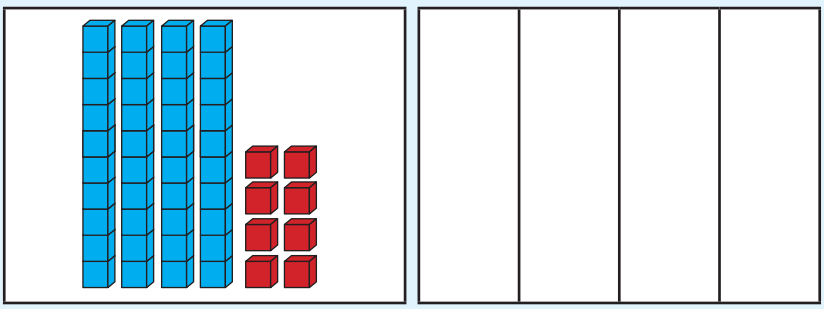
Zwino shumani hedzi.

a.



□□ ÷ 3 = □□

b.



□□ ÷ 4 = □□

Teacher:

Sign:

Date:

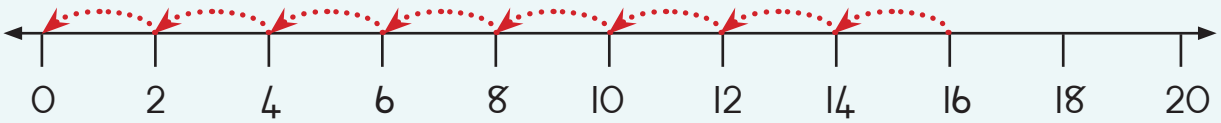
30b



Datumu: _____



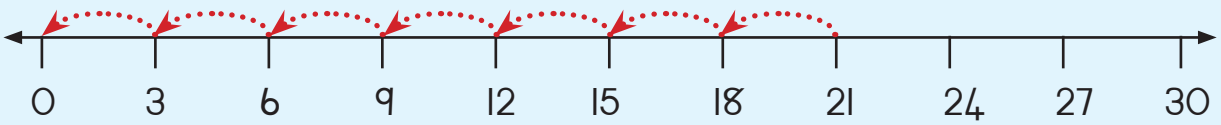
Shumisani mitalombalo kha u kha u ṅwala fhungombalo ḽa muṱuso na ḽa mukovho.



16 – 2 – 2 – 2 – 2 – 2 – 2 – 2 – 2 = 0

16 ÷ 2 = 8

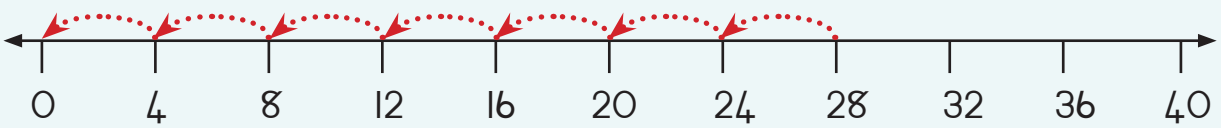
a.



21 – _____

☐ ÷ ☐ =

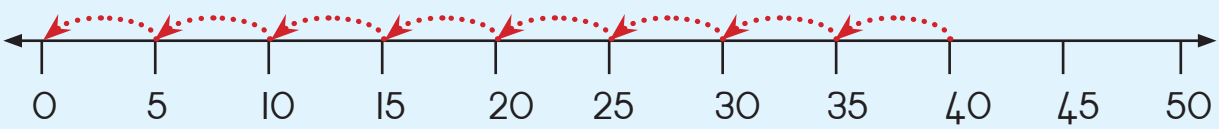
b.



28 – _____

☐ ÷ ☐ =

c.



___ – _____

☐ ÷ ☐ =





Talani mutalombalo ni u saukanye.

a. 30 ÷ 5 =

b. 22 ÷ 2 =

c. 27 ÷ 3 =

d. 32 ÷ 4 =

e. 25 ÷ 5 =

Khaedu

Sumbedzani ṋdila dzoṱhe dzine na nga kovhela vhana vha zwigwadza zwo fhambananaho maḽegere a 24 a tshi eḓana

Ṅwalani fhungombalo ni tshi sumbedza phindulo.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



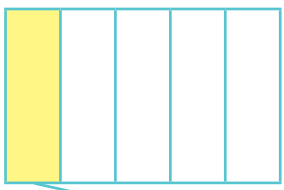
31

Datumu: _____

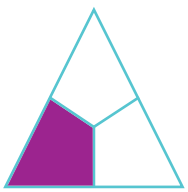
Furakhisheni (zwipiḓa)



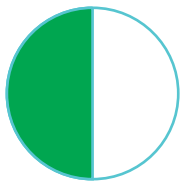
Kwakwanyisani tshivhumbeo na furakhisheni.



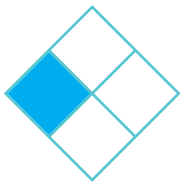
$\frac{1}{3}$ Tshararu



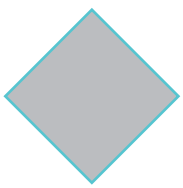
$\frac{1}{5}$ Tshaṱhanu



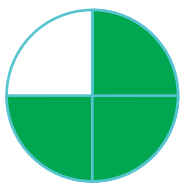
$\frac{1}{4}$ Kota nthihi



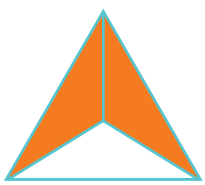
$\frac{1}{2}$ Hafu nthihi



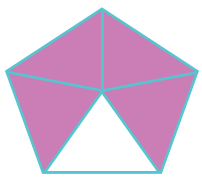
$\frac{3}{4}$ Kota tharu



$\frac{4}{5}$ Tshainaṱhanu



1 Nthihiyoṱhe



$\frac{2}{3}$ Tshambiliraru

Kovhani ni khaḽare tshivhumbeo ni tshi sumbedza furakhisheni:

$\frac{1}{2}$ Hafu nthihi

$\frac{1}{3}$ Tshararu

$\frac{1}{4}$ Kota nthihi

$\frac{1}{5}$ Tshaṱhanu

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



$\frac{1}{2}$ Hafu nthihi



$\frac{1}{3}$ Tshararu



$\frac{1}{4}$ Kota nthihi



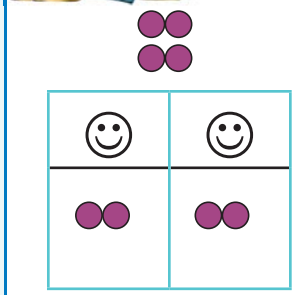
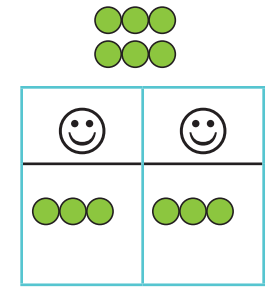
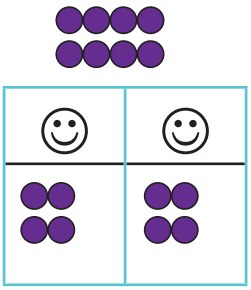
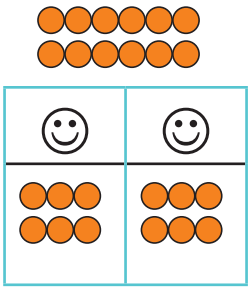
$\frac{1}{5}$ Tshaṱhanu



1 2 3 4 5 6 7 8 9 10

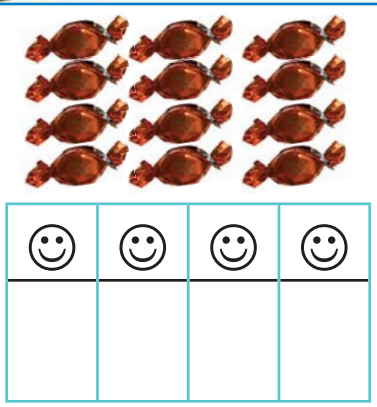
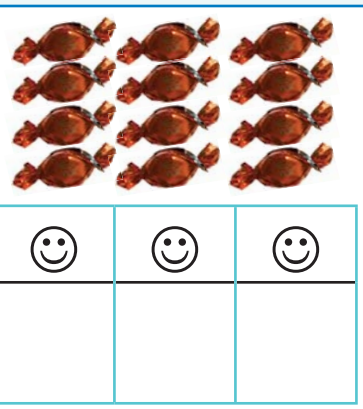
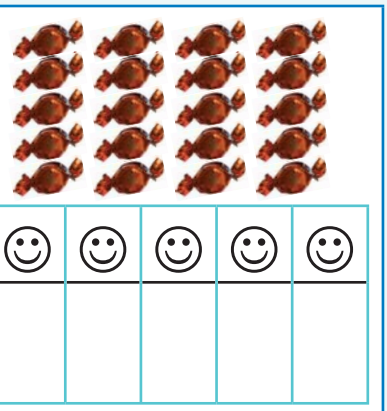


Kovhelani vhana vhavhili zwivhaleli.

			
• Muṅwe na muṅwe washu o ṉewa zwivhaleli zwa 2 • $\frac{1}{2}$ ya zwivhaleli zwa 2.	• Muṅwe na muṅwe washu o ṉewa zwivhaleli zwa ____ • ____ ya zwivhaleli zwa____ndi ____.	• Muṅwe na muṅwe washu o ṉewa zwivhaleli zwa __. • ____ ya zwivhaleli zwa____ndi _____.	• Muṅwe na muṅwe washu o ṉewa zwivhaleli zwa __. • ____ ya zwivhaleli zwa____ndi _____.
$4 \div 2 = 2$	____ ÷ ____ = ____	__ ÷ __ = __	____ ÷ ____ = ____



Kovhelani vhana zwivhaleli.

		
• $\frac{1}{4}$ ya maḽegere = 3 • $\frac{2}{4}$ ya maḽegere = 6 • $\frac{3}{4}$ ya maḽegere = 9 • $\frac{4}{4}$ ya maḽegere = 12	• $\frac{1}{3}$ ya maḽegere = ____ • $\frac{2}{3}$ ya maḽegere = ____ • $\frac{3}{3}$ ya maḽegere = ____	• $\frac{1}{5}$ ya maḽegere = ____ • $\frac{2}{5}$ ya maḽegere = ____ • $\frac{3}{5}$ ya maḽegere = ____ • $\frac{4}{5}$ ya maḽegere = ____ • $\frac{5}{5}$ ya maḽegere = ____

Teacher:
Sign:
Date:





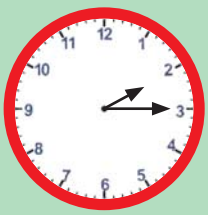
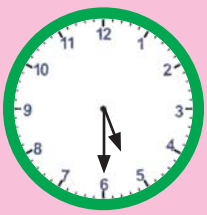
Datumu: _____

Tshifhinga

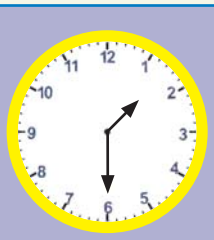
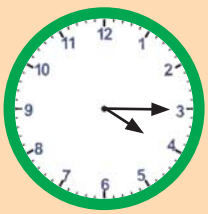


Ri mona sa watshi

Ri nga ṅwala tshifhinga tshithihi nga ndila dzo fhambanaho.

		
2:15 minete ya fumiṱhanu u bva kha awara ya vhuvhili	5:30 minete ya mahumi mararu u bva kha awara ya vhuṱanu	9:45 minete ya mahumi maṋa na miṱanu u bva kha awara ya ṱahe

Ṅwalani izwi nga ndila dzo fhambanaho.

		
_____ _____	_____ _____	_____ _____

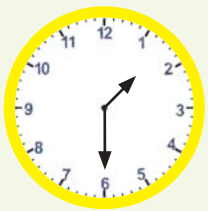




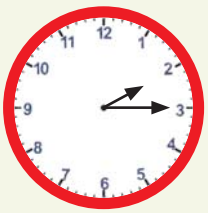
U ya hayani

Zwi jiela 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 maḓuvha a 2? _____

maḓuvha mangana kha vhege dza 2? _____

miṅwedzi mingana kha miṅwaha ya 2? _____

Lambamai						
M	T	W	T	F	S	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					

Shundunthule						
M	T	W	T	F	S	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	T	W	T	F	S	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

Dzi 27 dza Lambamai ndi Ḓuvha ḽa Mbofholowo.

Dzi 16 dza Fulwi ndi Ḓuvha ḽa Vhaswa.

a. U bva kha Ḓuvha ḽa Mbofholowo u swika kha Ḓuvha ḽa Vhaswa hu na ṅwedzi wa _____ wo fhelelaho vhege dza _____ dzo fhelelaho na maḓuvha a _____.

b. Ndi vhege nngana dzo fhelelaho dzo ṱangana? _____

Ndi maḓuvha mangana o salaho? _____. Ndi maḓuvha mangana oṱhe? _____.

c. Ḓuvha ḽa mabebo ḽa Dovhani ḽi swika kha maḓuvha a 7 Ḓuvha ḽa Mbofholowo ḽi sa athu surika.

Ḓuvha ḽa mabebo ḽa Musa ḽi ḓa kha maḓuvha mavhili nga murahu ha Ḓuvha ḽa Vhaswa.

Ndi nnyi muhulwane? _____ Nga maḓuvha mangana? _____

Teacher:
Sign:
Date:

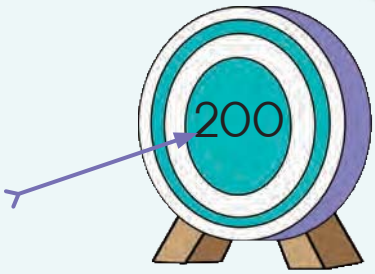


Datumu: _____

Thagethe 200



U vhala nomboro



Vhalani ni ambe nomboro dzo̱the 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 ṅwala nomboro

a. Ṅwalani nomboro i no khou ṱahela tshiṅwe na tshiṅwe lutombo.

b. Ṅwalani dziṅwe nomboro dzo̱the.

c. Ṅwalani nomboro dza 10 dzi no tevhela 200.

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



Ṅwalani nomboro dzi no khou ṱahela

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		

Ṅwalani nomboro idzi dzi tshi tou tevhekana u bva kha ṱhukhusa u ya kha khulwanesa.

_____

_____

_____

_____

_____

U vhala u bva kha 100

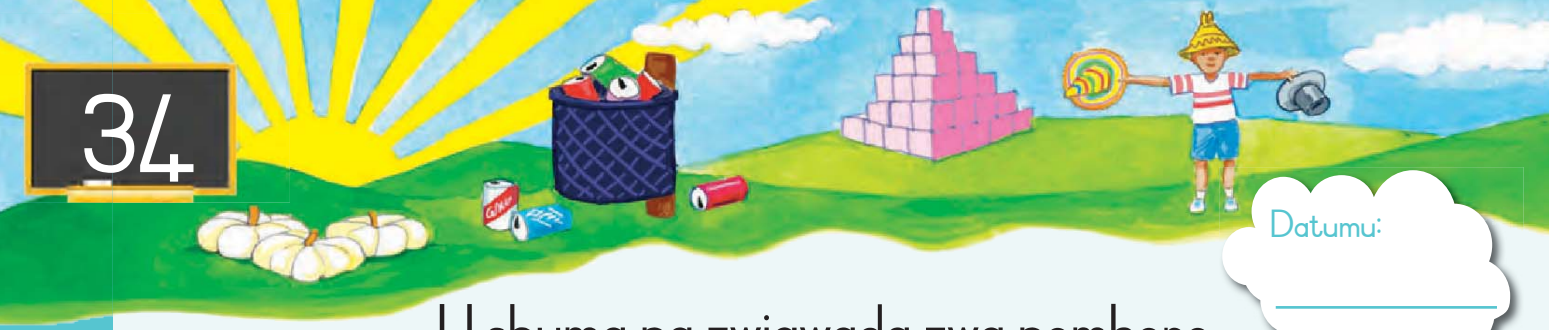
Wanani uri ni tea u vha na mini u itela u swika kha nomboro i no tevhela.

Thomani: 100 → +25 → 125 → ____ → 129 → ____ → 138 → ____ → 145

Gumani: 168 → ____ → 157 → ____ → 151 → ____ → 145

Teacher:
Sign:
Date:





Datumu: _____

U shuma na zwigwada zwa nomboro



U paka makhaṋdela

Ma Nkosi vha shuma femeni ya makhaṋdela.
Musi makhaṋdela o no luga, vha a paka ngaurali ngomu ha dziṱhirei kha shelefu.



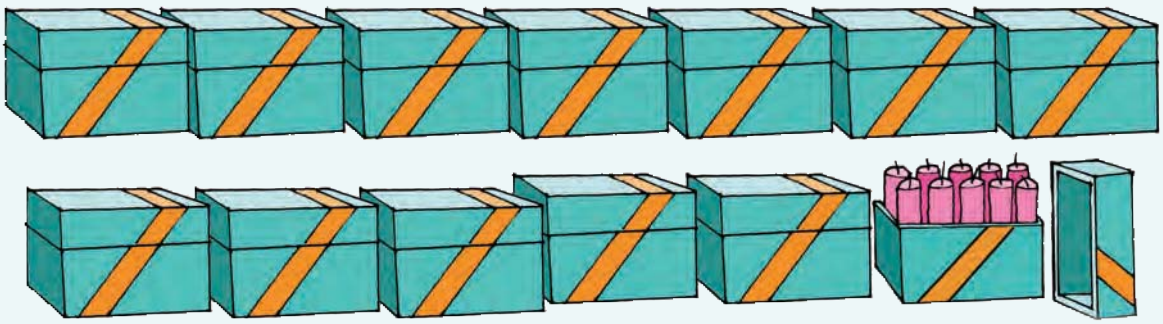
Ndi makhaṋdela mangana a re kha ṱhirei iṅwe na iṅwe? _____
Ndi ṱhirei nngana dzi re kha shelefu iṅwe na iṅwe? _____
Ndi makhaṋdela mangana a re kha shelefu iṅwe na iṅwe? _____

1 2 3 4 5 6 7 8 9 10



Mabogisi a makhaṋdela

Ma Nkosi vha vala mabogisi.



a. Vhalani mabogisi oṱhe.

Ndi mabogisi mangana? _____
Ndi mabogisi makhaṋdela mangana ṱangana oṱhe? _____
Vha ṱoḓa maṅwe mabogisi mangana uri a ite makhaṋdela a vhe 200? _____

b. Hu na makhaṋdela mangana kha:

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

c. Vha ḓo shumisa mabogisi mangana kha:

40 ? mabogisi a _____	70 ? mabogisi a _____
50 ? mabogisi a _____	30 ? mabogisi a _____

Teacher:
Sign:
Date:



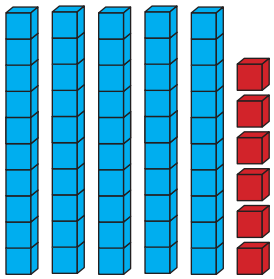
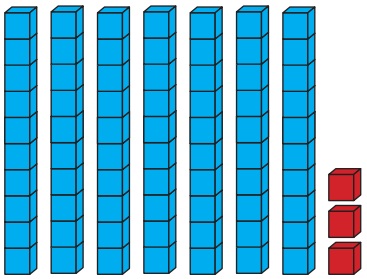
35a

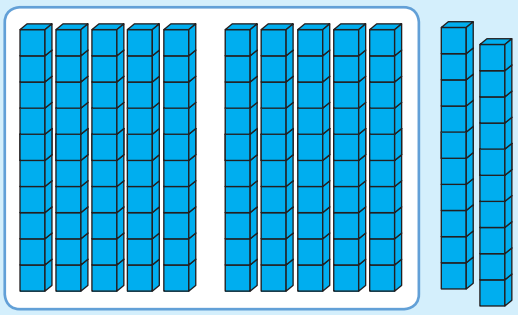
Datumu: _____

U vhea mahumi fhethu huthihi na u a fhandekanya



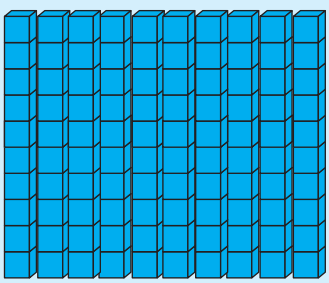
U vhea mahumi fhethu huthihi musi ri tshi ṱanganyisa kha 999

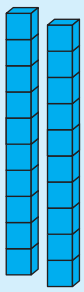
Kha ri ṱanganyise 56 + 73 =		+	
	mahumi 5 na yuniti dza 6		mahumi a 7 na yuniti 3

100	10	1
		

Zwo ṱangana ri na yuniti dza 12.

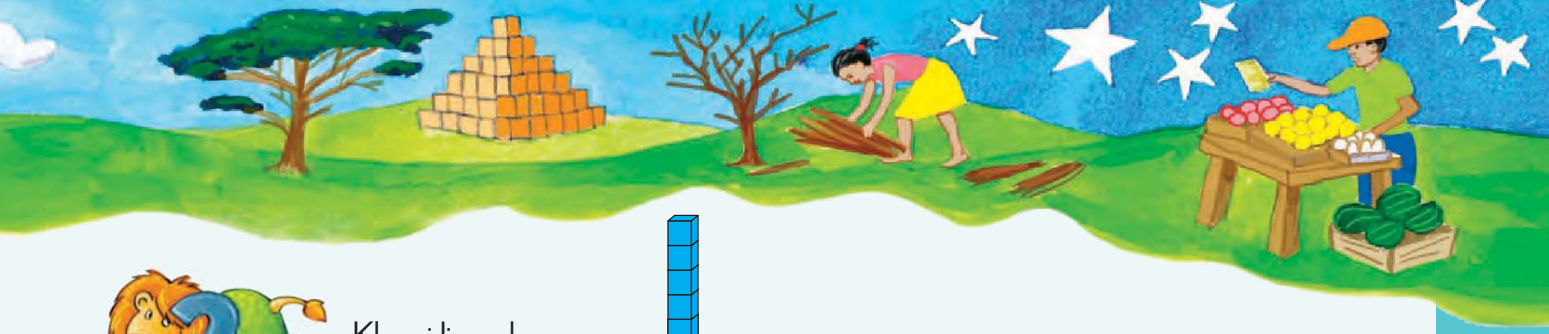
Ri nga vhea mahumi a 10 fhethu huthihi uri a ite ḓana 1.





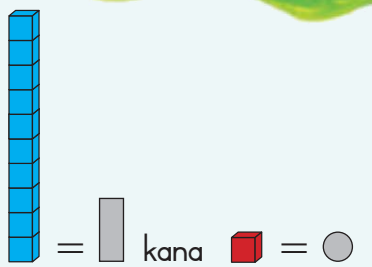


1 2 3 4 5 6 7 8 9 10

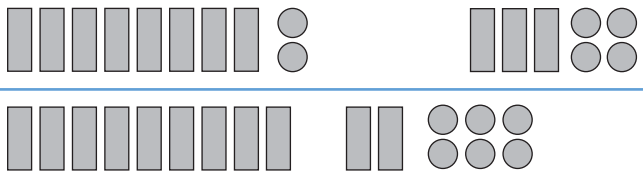




Kha ri lingedze



Tsumbo: 82 + 34



100 + 20 + 6 = 126

a. 65 + 52

b. 76 + 63

c. 86 + 65

Teacher:
Sign:
Date:

35b

Datumu: _____

U vhea zwigwada fhethu huthihi

U shumisa zwibuḽoko zwaṋu zwa vhuimo ha nomboro.

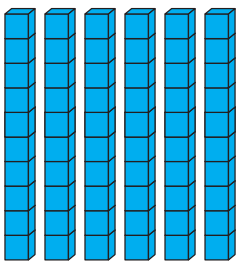
Shumisani zwibûoko zwsa muteo wa mahumi kha u sika ita nomboro idzi mbili.	Ndi mahumi mangana o ṱangana oṱhe? ndi yuniti nngana?	No vhea nga zwigwada mahumi kana yuniti naa? Ṱolani vhuimo ha nomboro he na vhu vhea hone nga zwigwada.	N.walani nomboro.
23 + 99 =	mahumi a ___ yuniti dza ___	11 mahumi + 12 yuniti = 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 ṱusa

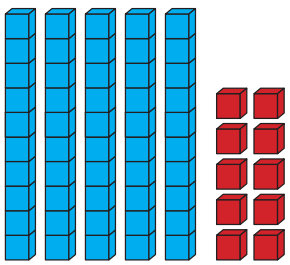
Musi ri tshi ṱusa, tshiṅwe tshifhinga ri tea u sumbedza fumi nthihi sa yuniti dza fumi, kana ḓana ḽithihi sa mahumi a 10.

Kha ri ṱuse: 60 – 55 =

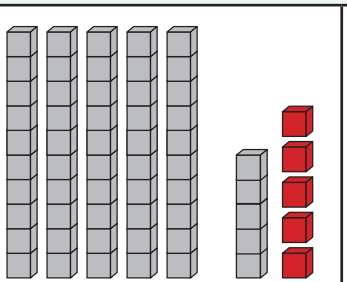
Ri thoma nga mahumi a rathi na thihi nthihi. Ri khou ṱoḓou ṱusa mahumi maṱanu na thihi ṱhanu. (Zwine ra ṱusa ro zwi khaḽara nga muvhala wa museṱha)



Ri nga sumbedza mahumi a rathi nga hei ndila.



Kana sa mahumi maṱanu na yuniti dza fumi



Ṱusani mahumi maṱanu na yuniti ṱhanu. Ho sala yuniti ṱhanu.

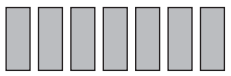
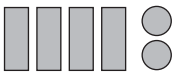
60 – 55 = 5

1 2 3 4 5 6 7 8 9 10



Kha ri edzise

a. 70 – 28

			
mahumi a 7	mahumi a 6 na yuniti dza 10	70 – 28 =	42

b. 90 – 46

c. 80 – 53



U wana phere ya nomboro

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	

Teacher:
Sign:
Date:

Datumu: _____

U ya ha dokotela wa maṋo



Tshigwada tsha vhana tshi dalela dokotela wa maṋo.



Vhana vha mu ṱalutshedza.  hezwi = lwa 1

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

a. Vhalani dzithiki (✓) dzi no sumbedza uri vhana vha ṱamba maṋo lungana. Ṅwalani nomboro.

 Luthihi nga ḓuvha	
 Luvhili nga ḓuvha	
 Luraru nga ḓuvha	

b. Ni nga ṱalutshedza zwifhio?

Vhunzhi ha vhana vha ṱamba maṋo _____ nga ḓuvha.
Hu na vhana vha _____ kha tshigwada.





Olani phikhitogirafu i no sumbedza uri vhana vha ṱamba maṋo lungana nga ḓuvha.

 = lwa 1



Itani ṱhoḓisiso kiḽasini yaṋu. Vhudzisani vhagudi vha 15–20.

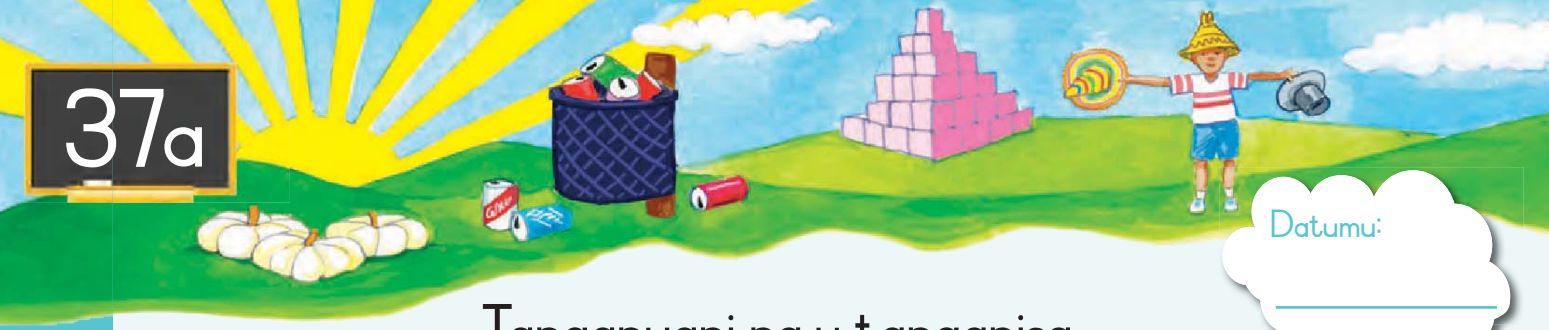
a. Vha ṱamba maṋo lungana nga ḓuvha? _____

b. Olani girafu ya zwifanyiso i no fana na i re afho nṱha ni tshi sumbedza zwe na wana.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

37a



Datumu: _____

Ṱanganyani na u ṱanganisa



U ṅwala ṱhanganyelo yaṋu

Busi u kona u ṱanganya yuniti na mahumi a dzi vhea nga zwigwada. A nga ṱanganyisa na u ṱusa kha bammbiri, hu si na maṋanga. Tshiṅwe tshifhinga u takalela u thoma nga magaraṱa a nomboro awe u sumbedza nomboro.

Zwenezwo kha ṱhanganyelo 56 + 73, u wana magaraṱa aya:

5 0 6 + 7 0 3

U ṱanganya 1 na u vhea fhasi garaṱa.

9

U a ḓivha: 50 + 70 = 120.

U jia magaraṱa ḽa moḓana, na ḽa 20 na ḽa 9 a u ita nomboro ya dzhiti 3.

1 0 0 2 0 9



U i ṅwala nga hei ndila:

50 + 70 + 6 + 3
= 50 + 70 + 9
= 120 + 9
= 100 + 20 + 9
= 129



Dumi u a ṱalukanya uri zwibuḽoko zwi shuma nga ndilaḓe. U shuma 56 + 73 nga hei ndila:

50 + 6 + 70 + 3
120 + 9
= 129



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

56 + 73
= 50 + 70 + 10 – 1
= 130 – 1 = 129

1 2 3 4 5 6 7 8 9 10



Zwi na inwi edziasani. Itani iṅwe na iṅwe nga nḓila mbili.

a. 86 + 62



Nḓila (kushumele) ya Malindi

80 + 60 + 6 + 2



Nḓila (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



Datumu: _____

Zwino kha ri ṱuse.

a. 87 – 53



Ndila ya Malindi

80 – 50 + 7 – 3

= 30 + 4

= 34



Ndila ya Dumi

80 + 7 – 50 + 3

= 30 + 4

= 34

b. 95 – 73

c. 86 – 62

d. 85 – 69



Thasululani!

Hu na ṋḓila nnzhi dza u ṱanganya yuniti na mahumi. Nangani ṋḓila ine na i ḓivha na u takalela ya u thasulula mbalo (thaidzo) idzi. Sumbedzani kushumele kwaṋu.

a. Ndalamo u thoma nga u fula maberegisi a 34 a tevhela nga maberegisi a 67.
Hu na maberegisi mangana o ṱangana oṱhe?



b. Vhana vha ha Mualusi vho ṱangana 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 ṱangana dzoṱhe?



Teacher:
Sign:
Date:



Datumu: _____

I tandululeni!



Zwithivho zwa maboḓelo

Shumisani nḓila iṅwe na iṅwe ine na funa.
Sumbedzani mushumo waṉu.







Sipho u vhala zwitibo zwa 87 zwa maboḓelo. Andile u vhala zwa 94.

Sipho u vhala zwithivho zwiṅwe zwingana zwa maboḓelo?



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?



1 2 3 4 5 6 7 8 9 10

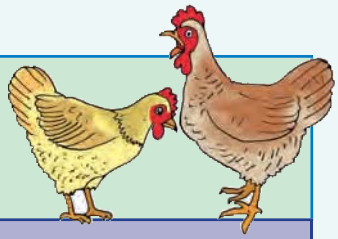




Ndowendowe dzinwe



Hu na zwikukwana zwa 69 hokoni nthihi na zwa 95 kha inwe.
Hu na khuhu nngana dzo ṱangana dzoṱhe?
Vhalani uri Jabu na Thembi vho tandululisa hani thaidzo.



Ndila ya Jabu

$60 + 90 + 9 + 5$
$= 100 + 50 + 14$
$= 150 + 10 + 4$
$= 164$

Ndila ya Aakar

$69 + 95$
$= 70 + 95 - 1$
$= 70 + 90 + 5 - 1$
$= 160 + 4$
$= 164$



a. Vhatukana vha kuvhanganya R96 ya lwendo lwa kilasi. Vhasidzana vha kuvhanganya R79. Vha kuvhanganya vhugai yo ṱangana yoṱhe?

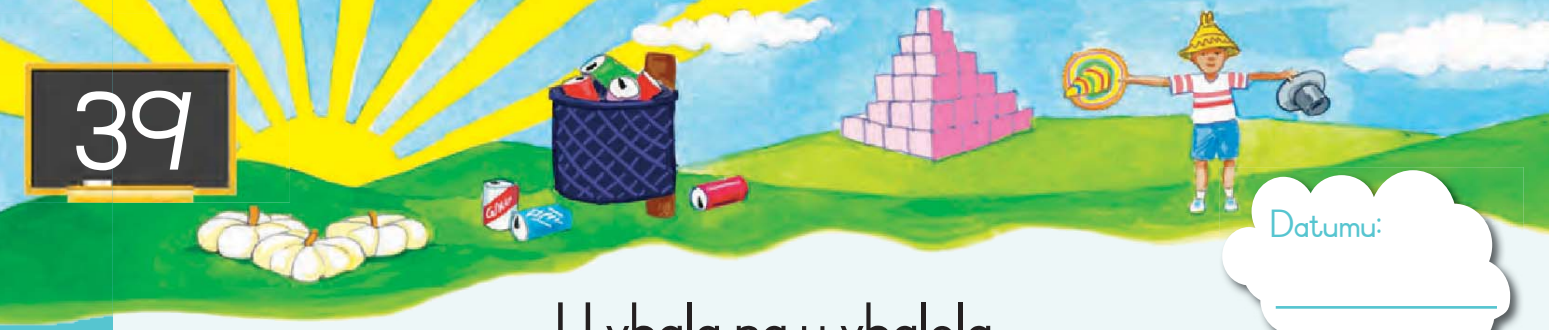
Shumisani ndila ya Jabu	Shumisani ndila ya Aakar

b. Tshikolo tshithihi tshi kuvhanganya 76 kg dza zwikoṱikoṱi. Tshiṅwe tshikolo tsha kuvhanganya 68 kg dza zwikoṱikoṱi. Ndi kg nngana dza zwikoṱikoṱi dzine zwikolo zwivhili zwa kuvhanganya dzo ṱangana dzoṱhe??

Shumisani ndila ya Jabu	Shumisani ndila ya Aakar

Teacher:
Sign:
Date:





Datumu: _____

U vhala na u vhalela



U wana tshipiḓa

Ṅwalani nomboro dzi no khou ṱahela.

a.

100	
	27

b.

100	
39	

c.

100	
43	

d.

100	
56	

e.

200	
140	

f.

200	
	110

g.

200	
135	

h.

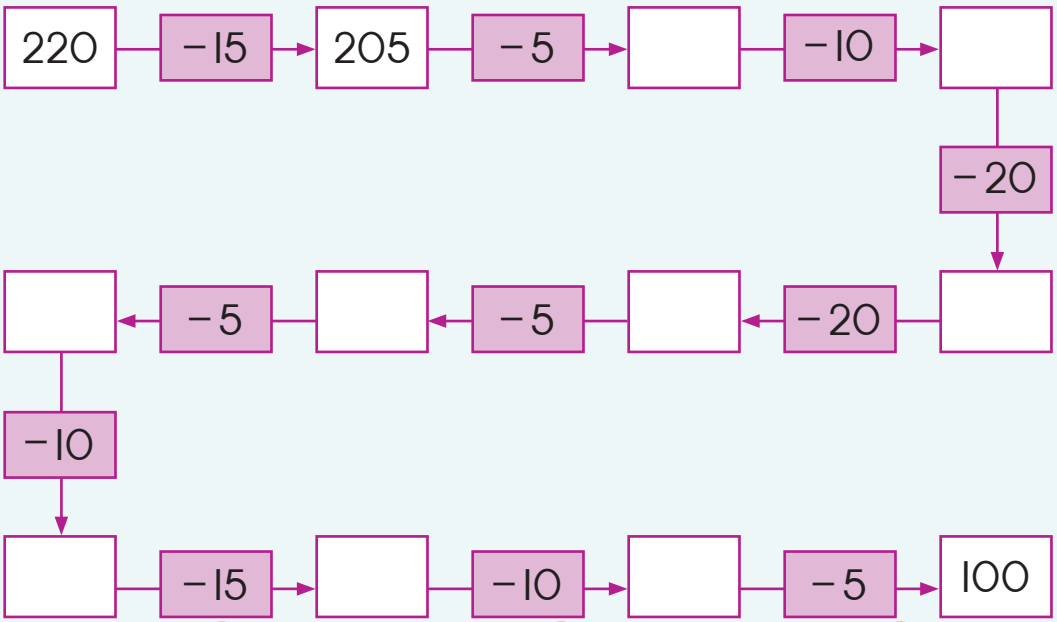
200	
	120



U bva 220 u ya kha 100

Tevhelani misevhe.

Ḓadzani tshibogini tshinwe na tshiṅwe tsha phindulo nga nomboro ine na i wana musi no no ṱusa nomboro i re tshibogisini tsha pinki. Ro dzula ro ni itela ya u thoma.



Ndila ya u ṱola phindulo dzaṋu khei.

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

Fhedzi zwino, ṱanganyisani nomboro.



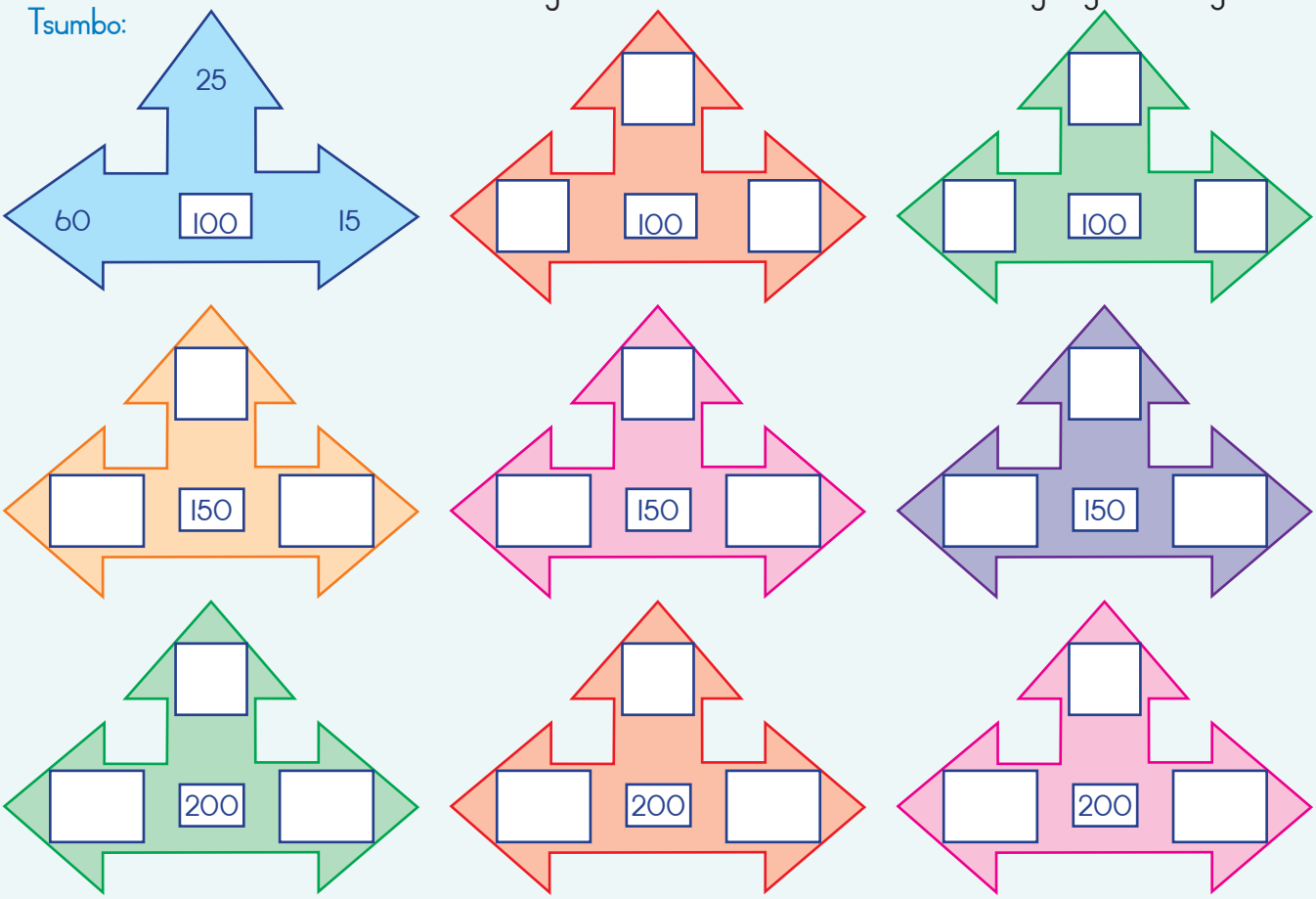
1 2 3 4 5 6 7 8 9 10



Miṱa ya vhararu

Wanani nomboro dza 3 dzi vhumbaho nomboro ya thagethe.
Fhedzi ni tea u tevhedza mulayo wa uri ndi nomboro nthihi fhedzi ine ya nga fhela nga 0.

Tsumbo:



U fhira nga 50 na u vha fhasi nga 50

Ṅwalani 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:



Datumu: _____

U ela nga dzisenthimitha



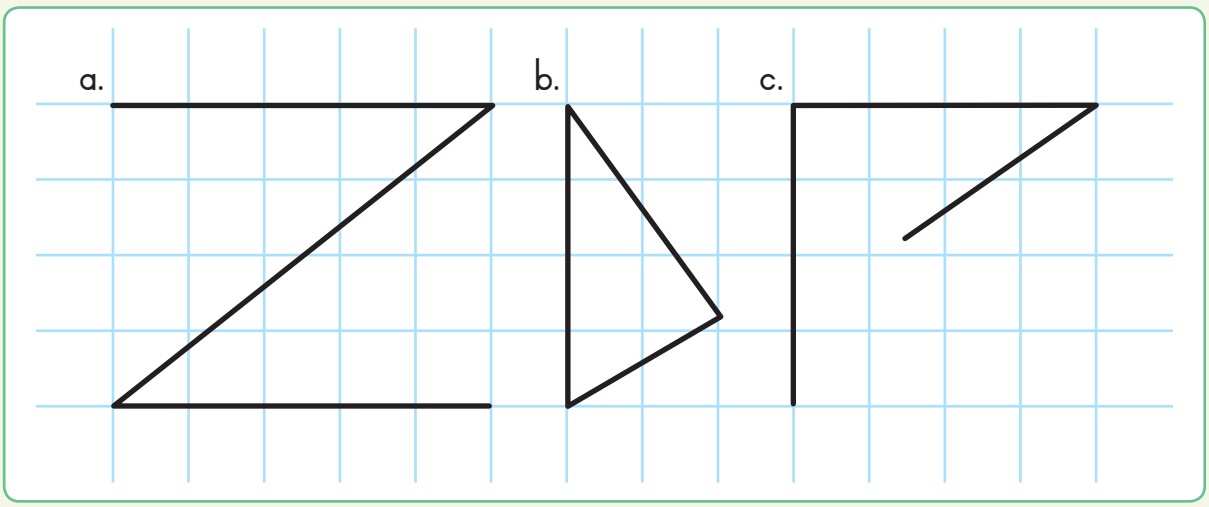
Senthimitha yo lapfa lungafhani?



Nomboro dzi re kha ruḽa dzo imela dzisethimitha.
Ri shumisa abiriviesheni kana tshiga cm.
Musi ni tshi shumisa ruḽa, ni tea u thoma u ela u bva kha 0.
Dziṅwe ruḽa a dzi sumbedzi 0 i fana na nthihi i re kha siaṱari iḽi.
Wanani zero cm kha ruḽa. Ṅwalani 0 kha ruḽa.
10 cm i wanala ngafhi kha ruḽa? Ṅwalani 10 henefho.



Anganyani; ni kone u pima nga ngona nga ruḽa yaṋu; ṱhanganyelo 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 muṅwe na muṅwe wo lapfa lungafhani?

Mutalo muṅwe na muṅwe wo lapfa cm nngana?
Shumisani munwe waṉu uri u ni thuse kha u jia tsheo.

a. ——— ☐ cm	d. | ☐ cm
b. ——————— ☐ cm	e. ☐ cm
c. — ☐ cm	f. ☐ cm

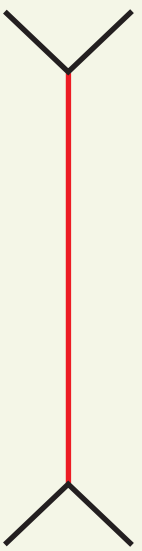


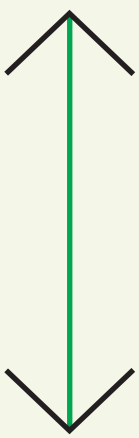
Ni na vhuṱanzi naa?



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

Ni nga zwi ṱola hani?



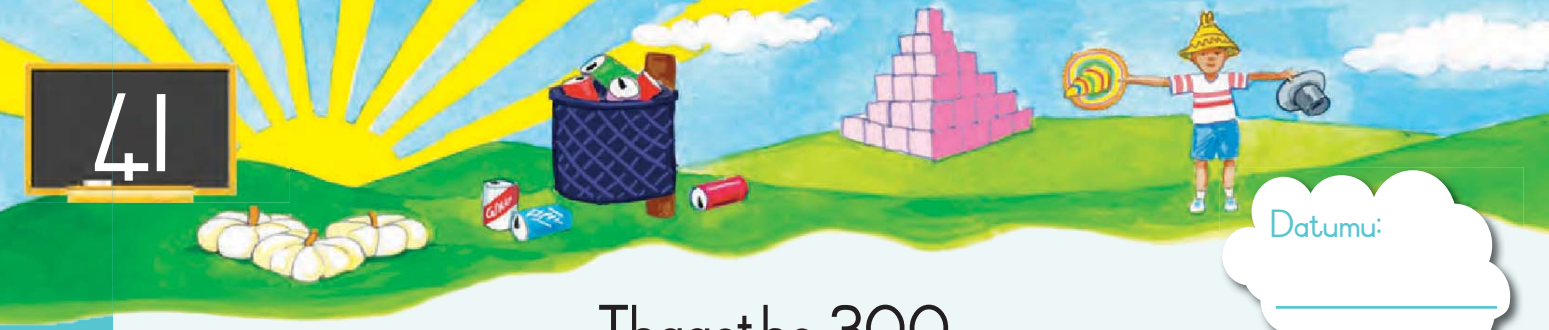


Izwi ndi zwine zwa vhidzwa u pfi vhuṱolo ha maṱo.
Zwi ambiwa musi maṱo aṉu o itwa uri a vhone tshithu tshi siho.
Mitalo mivhili i na vhulapfu hu no eḓana.
Mutalo mutswuku wo sumbaho ngomu u ita uri mutalo mudala u vhonale u mupfufhi na uri mutalo mudala wo sumbaho nnḓa u ita uri mutalo mutswuku u vhonale u malupfu u fhira zwine wa vha zwone.



Teacher:
Sign:
Date:





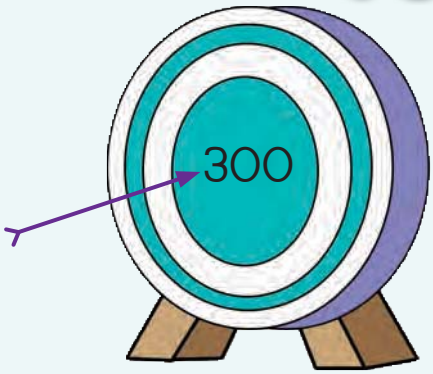
41

Datumu: _____

Thagethe 300



Vhalani ni ṅwale 200



Vhalani u bva kha 201 u swika kha 300.

Sumbani ni tshi khou ya phanḓa.

Ni kone u thoma nga u jenisa nomboro dza muvhala wa lutombo.

Ṅwalani nomboro dziṅwe dzoṱhe.



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

Ṅwalani nomboro dza 10 dzi no tevhela 300.

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

1 2 3 4 5 6 7 8 9 10



Hu fhufhiwa zwingafhani?

301		281					
		171					211
						101	

U sumbedza na u vhambedza

a. Ṅwalani nomboro dzine dza jena kha garaṱa iṅwe na iṅwe.

298; 208; 301; 276; 227; 269; 311

200

90

8

b. Ṅwalani nomboro idzi dzi tshi tou tevhekana u bva kha ṱhukhusa u ya kha khulwanesa.

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

Tshintshi ndi vhugai? Ṅwalani nomboro dzi no khou ṱahela.

Thomani: 200 → +25 → 225 → ___ → 237 → ___ → 249 → ___ → 261

Gumani: 300 ← ___ ← 286 ← ___ ← 278 ← ___ ← 261

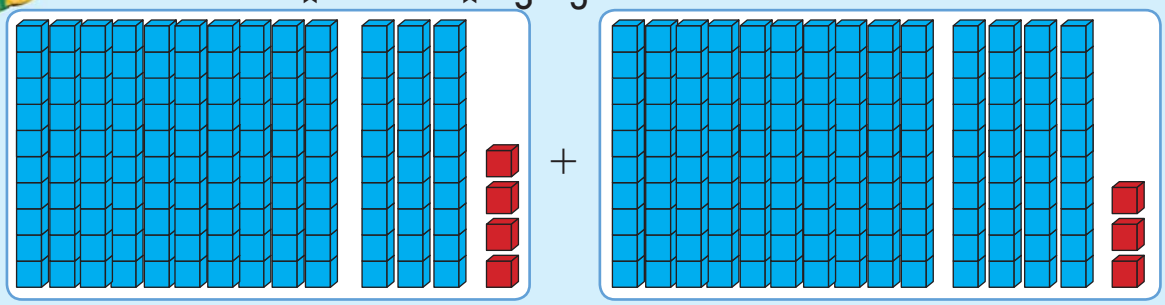
Teacher:
Sign:
Date:

42

Datumu: _____

U ṱanganya na u ṱusa nga dzi100

U shumisa zwibuḽoko kha u ṱanganya



100 30 4 + 100 40 3

= 200 70 7

= 277

Tevhedzani ngona mbili. Sumbedzani phindulo iṅwe na iṅwe nga ndila mbili.

a. 132 + 123

Ndila ya Malindi

= 100 + 100 + 30 + 20 + 2 + 3

= 200 + 50 + 5

= 255

Ndila ya Dumi's

132 + 123

= 200 + 50 + 5

= 255

b. 114 + 162

1 2 3 4 5 6 7 8 9 10

c. 276 + 148



Lavhelesani ṋdila dza avha vhathu ni ṱuse.



a. 158 – 146

Ṋdila ya Malindi

= 100 – 100 + 50 – 40 + 8 – 6

= 0 + 10 + 2

= 12



Ṋdila ya Dumi

158 – 146

= 0 + 10 + 2

= 12

b. 194 – 122

c. 288 – 199

Teacher:

Sign:

Date:

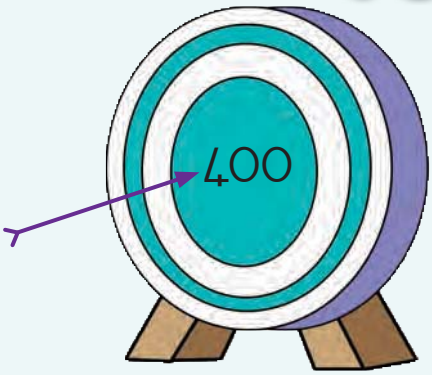
43

Datumu: _____

Thagethe ya 400



U vhala na u ṅwala dzi400



U vhala u bva kha 300 u swika kha 400.

Bulani nomboro ni tshi vhala.

Ṅwalani nomboro dzi no khou ṱahela kha giridi.

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



Ṅwalani nomboro dza 9 dzi no tevhela 400.

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

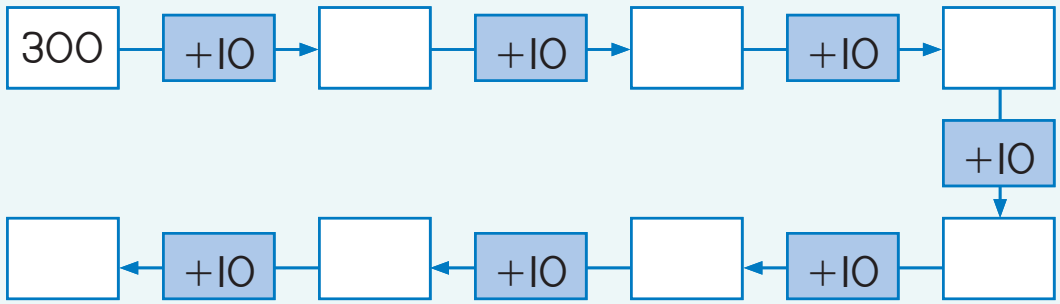
1 2 3 4 5 6 7 8 9 10



Tshintshi ndi vhugai?

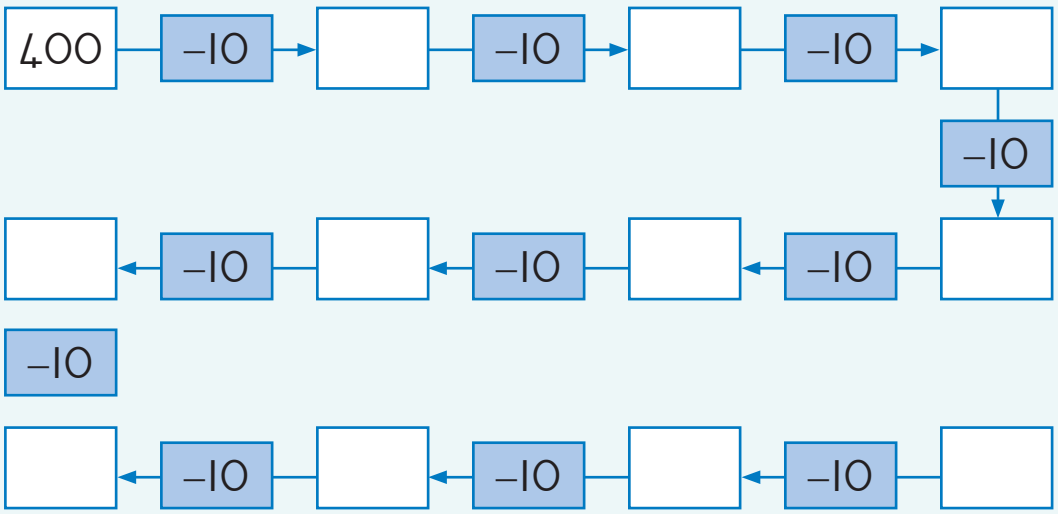
a. U vhala ri tshi ya phanḓa u bva kha 300

Thomani/ Mathomo



b. Vhalani u bva kha 300

Thomani/ Mathomo



Gumani/ Magumo



Ṅwalani sa nomboro nthihi.

300 + 20 + 4 = _____

300 + 50 + 3 = _____

300 + 60 + 2 = _____

300 + 80 + 1 = _____

300 + 10 + 5 = _____

300 + 70 + 7 = _____

300 + 90 + 9 = _____

300 + 40 + 8 = _____

Ṅwalani nomboro idzi dzi tshi tou tevhekana u bva kha ṱhukhusa u ya kha khulwanesa.

_____, _____, _____, _____, _____, _____, _____, _____

Teacher:
Sign:
Date:



44

Datumu: _____

U kala

Nomboro ya tshipentshela

Ṱanganyani na u ṅwala phindulo.

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



78			97
96	+ 14	+ 5	
84			
66			
94			

Sendedzani tsini ni ṱanganyise!

Humbulani nga vhuṱali!

				
Phunguhwe kg dza 25	Tshibode kg dza 98	Pfeṇe kg dza 59	Mbiḓana kg dza 88	Pheḽikheni kg dza 9

Sendedzani tsini ha 10 kg, tshileme tsha tshipuka tshiṅwe na tshiṅwe.

_____

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

_____

Anganyani tshilemeguṱe tsha zwipuka zwa 5.

_____

1 2 3 4 5 6 7 8 9 10





Ṱanganyisa zwileme zwazwo



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



Maga

- Shumisani zwivhalo zwaṋu zwo sendedzwaho tsini.
- Anganyelani tshileme tsha tshipuka tshiṅwe na tshiṅwe kha rou iṅwe na iṅwe.
- Vhalelani ṱhanganyelo.
- Vhambedzani ṱhanganyelo mbili ni ṅwale phambano.

	Ndi a anganyela	Ndi a vhalela	Phambano
			
			
			



Tshileme tsha Vusi

Ṱolani. Vhambedzani. Lulamisani.

Vusi u ṱanganyisa tshileme tshawe na tshileme tsha  na  .

Ṱhanganyelo ya tshileme tshavho ndi kg dza 239. Vusi u lemela zwingafhani? Sumbedzani phindulo yaṋu.



Tshileme tshanga ndi tshingafhani?

Tambani kha tshigwada. Sielisanani …



Ṱanganyisani tshileme tshaṋu na tshileme tsha zwiṅwe zwa zwipuka. Shumani ṱhanganyelo. Vhudzani phindulo tshigwada. Ni songo vha sumbedza mushumo waṋu! Vha tea u lingedza u shuma tshileme tshaṋu.





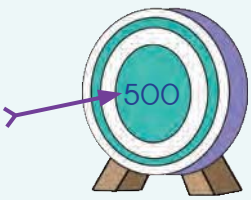
45

Datumu: _____

Thagethe 500



U vhala na u ṅwala



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

a. Vhalani u bva kha 400. Bulani nomboro ni tshi khou vhala.

b. Ṅwalani nomboro dzo ṱahelaho afho kha giridi.

c. Ṅwalani nomboro dza 9 dzi no tevhela 500.

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

d. Vhalani nga 2. Ṅwalani nomboro dza 8 dzi tevhelaho nga phetheni ya 2.

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

e. Vhalani nga 5. Ṅwalani nomboro dza 8 dzi tevhelaho nga phetheni ya 5.

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

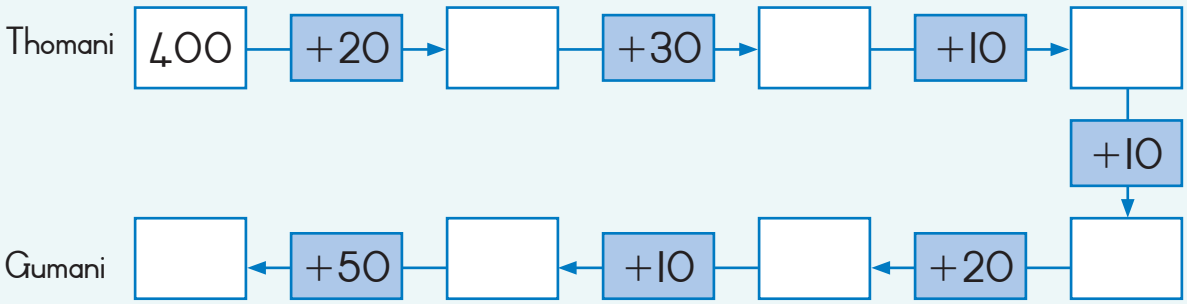
1 2 3 4 5 6 7 8 9 10



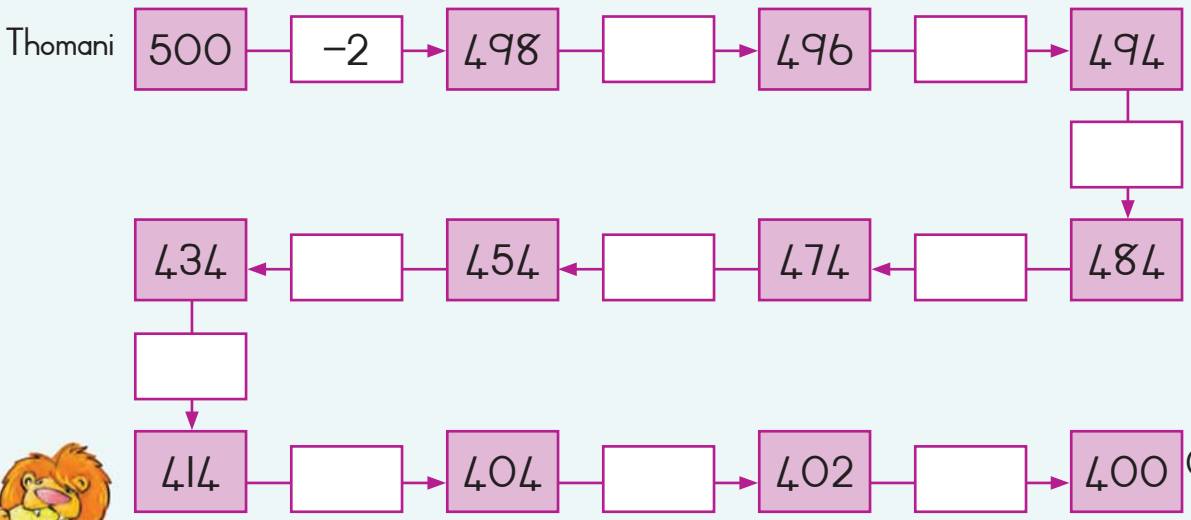


Tshanduko ndi mini?

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



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





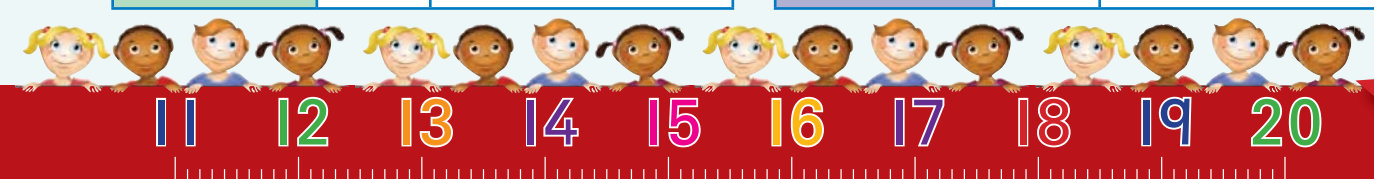
U sumbedza nomboro. Tevhedzani tsumbo.

Wanani ṱhanganyelo ya nomboro idzi. Shumisani garaṱa dza nomboro ni tshi sumbedza ṱhanganyelo iṅwe na iṅwe.

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

398 + 10		
424 + 10		
460 + 20		

Teacher:
Sign:
Date:





46

Datumu: _____

Mu̱tanganyo na mu̱tuso

Ni vhona mini?

200 + 200 + 50 + 30 + 4 + 5	400 + 80 + 9	489



Ri khou ya u shumisa nḓila ya Malindi na ya Dumi haf'hu kha u ṱanganya.

a. 245 + 231



Nḓila ya Malindi

= 200 + 200 + 40 + 30 + 1

= 400 + 70 + 1

= 471



Nḓila ya Dumi

245 + 231

= 400 + 70 + 6

= 471

b. 278 + 136

c. 265 + 148





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

a. 476 – 324



Ndila ya Malindi

= 400 – 300 + 70 – 20 + 6 – 4

= 100 + 50 + 2

= 152



Ndila ya Dumi

476 + 324

= 100 + 50 + 2

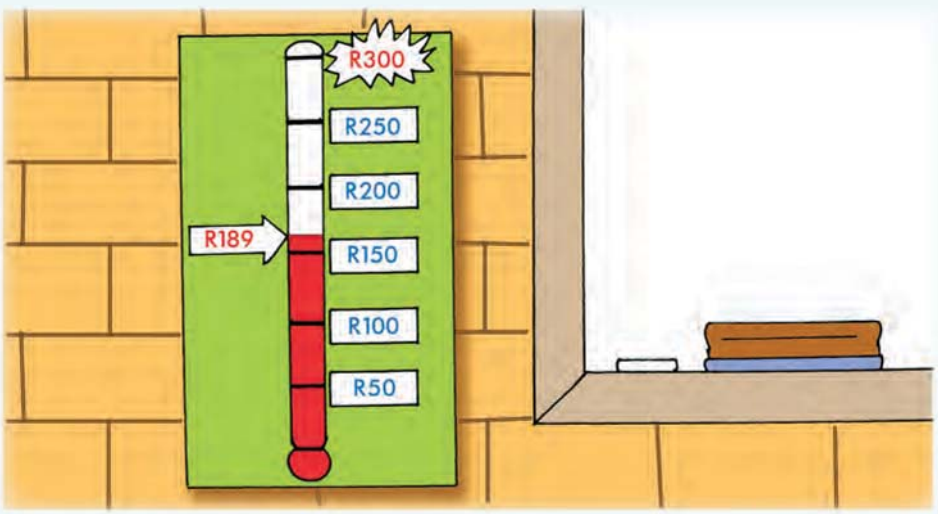
= 152

b. 489 – 456

c. 482 – 161



Ro swika kha thagethe

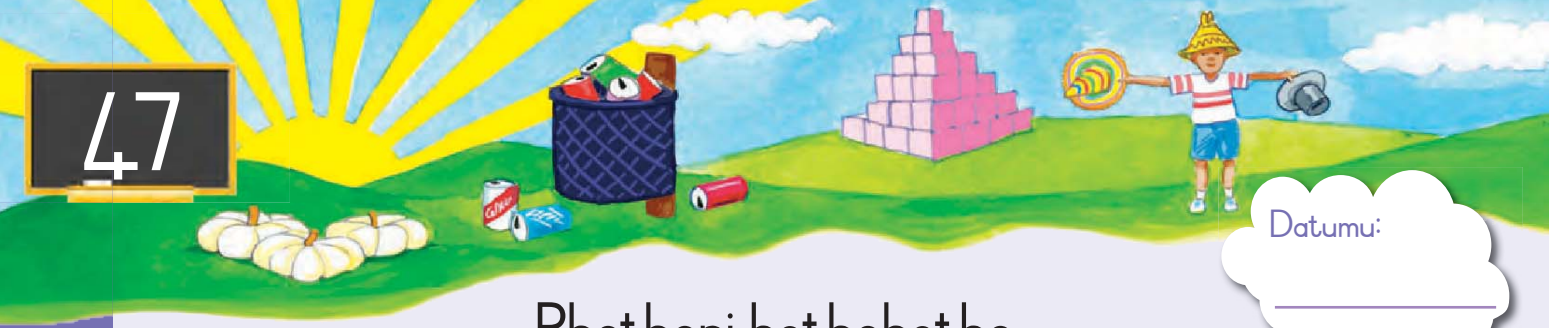


Lavhelesani tshifanyiso.

Hu ṱoḓea zwingana u itela u swika kha thagethe?

R

Teacher:
Sign:
Date:



47

Datumu: _____

Phetheni hoṱhehoṱhe



Thavha ya tshiphiri

Dzina ḽa thavha khulwanesa Gauteng ndi ḽifhio? Shumisani khoudu kha u ḽi wana. Livhanyani phindulo iṅwe na iṅwe i re kha thebuḽu na ḽeḓere ḽi 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	Ḽeḓere
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 ḽa thavha ndi _____







Lavhelesani, ni humbule, ni fhindule!

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

a.

Nomboro ya 16 i ḓo jia tshivhumbeo tshifhio? Swayani (✓) kha tsho teaho. ✷ ● ☾

Nomboro ya 18 i ḓo jia tshivhumbeo tshifhio? Swayani (✓) kha tsho teaho. ✷ ● ☾

Nomboro ya 23 i ḓo jia tshivhumbeo tshifhio? Swayani (✓) kha tsho teaho. ✷ ● ☾

b.

Nomboro 50 i ḓo vha ✷.	Ndi zwone kana a si zwone?
Nomboro 100 i ḓo vha ●.	Ndi zwone kana a si zwone?
Nomboro 23 i ḓo vha ☾.	Ndi zwone kana a si zwone?



Sedzulusani. Vhambedzani. Lulamisani



Ndi zwifhio zwi re zwinzhi?

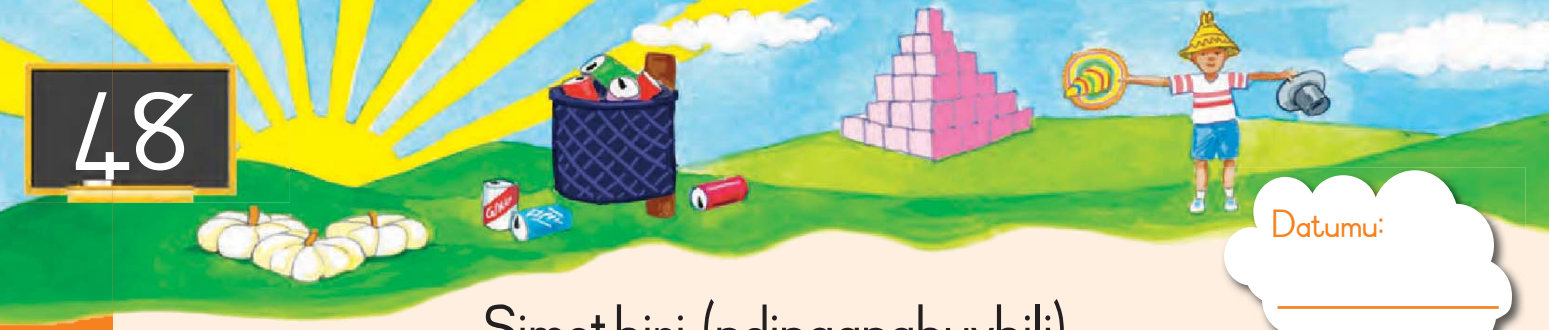
U wana tshelede ya u ḽa ya R2,50 nga ḓuvha nga Fulwi na Fulwana.

Kana u wana R150 nga dzil dza Ṱhangule.

Sumbedzani uri no zwi wanisa hani.



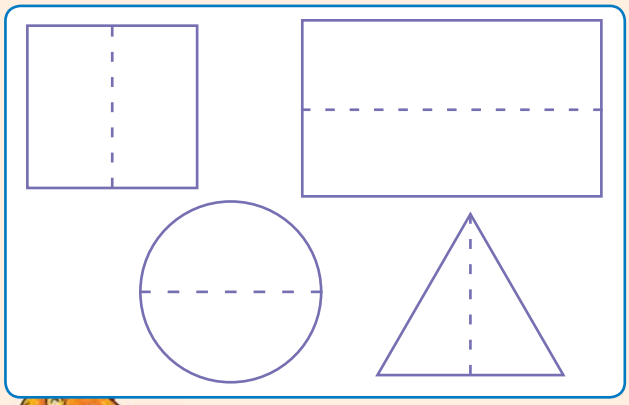




Datumu: _____

Simethiri (ndinganahuvhili)

Ni zwifhio zwine na zwi vhona kha zwivhumbeo izwi?



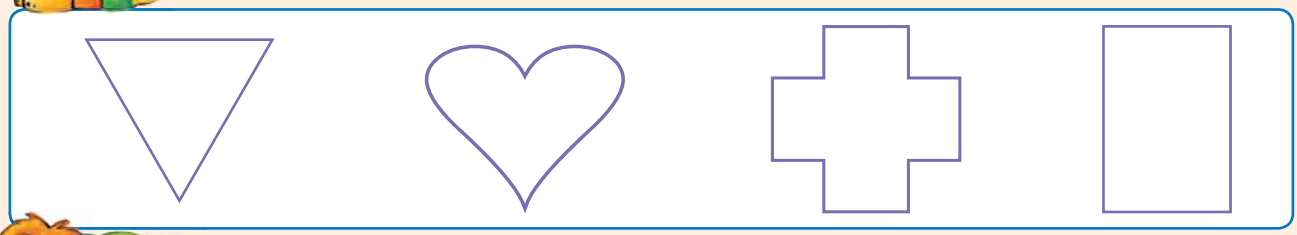
Mutalo wa simethiri (ndinganahuvhili) u fhandula tshivhumbeo tsha bva hafu mbili u itela uri hafu iṅwe na iṅwe i fane na iṅwe sa kha tshivhoni.

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



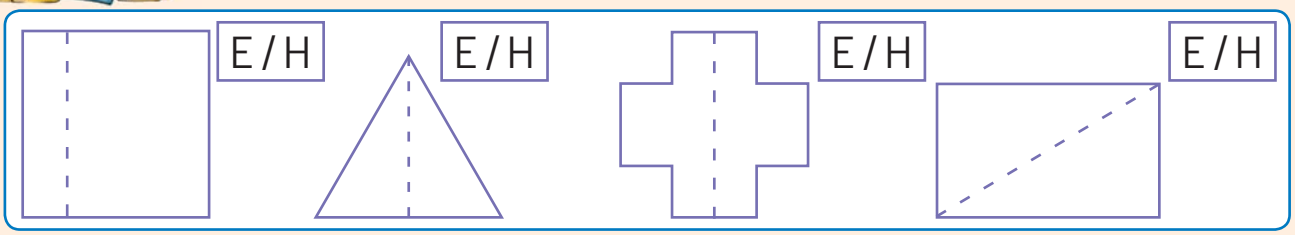


Talani mutalo wa simethiri kha tshivhumbeo tshiṅwe na tshiṅwe.





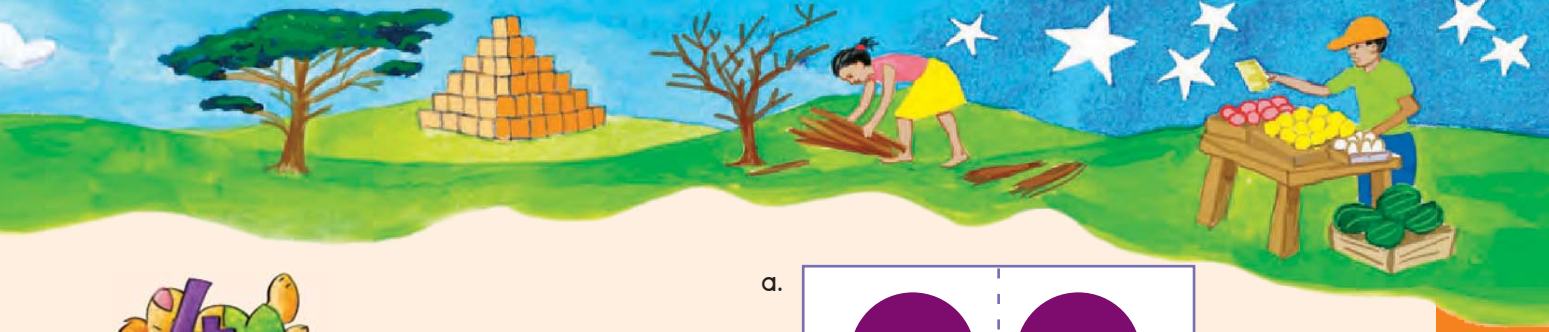
Uyu mutalo wa zwitomathoma ndi mutalo wa simethiri kana hai?
Tangedzelani (E) ya Ee kana (H) ya Hai.





Uyu mutalo ndi wa simethiri? Ngani?

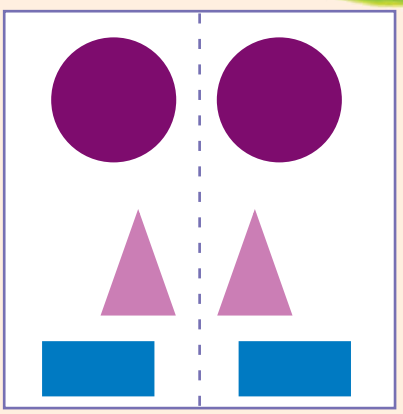




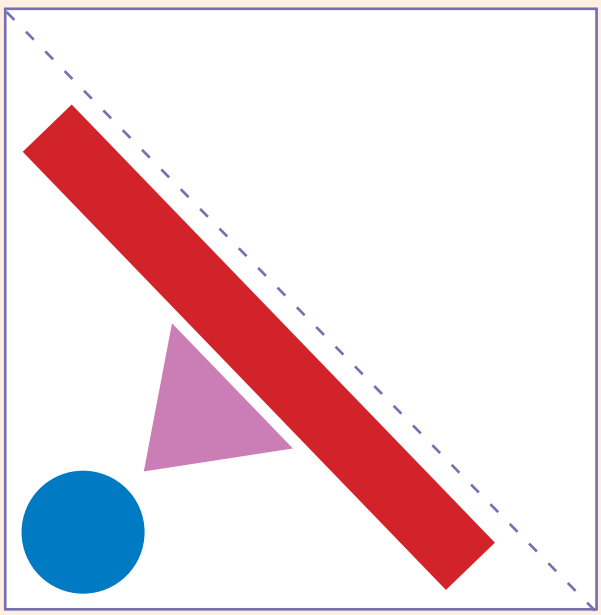
Olani zwivhumbeo ni ite uri tshifanyiso tshi vhe simethiri.

Ro dzula ro ni itela tsha u thoma

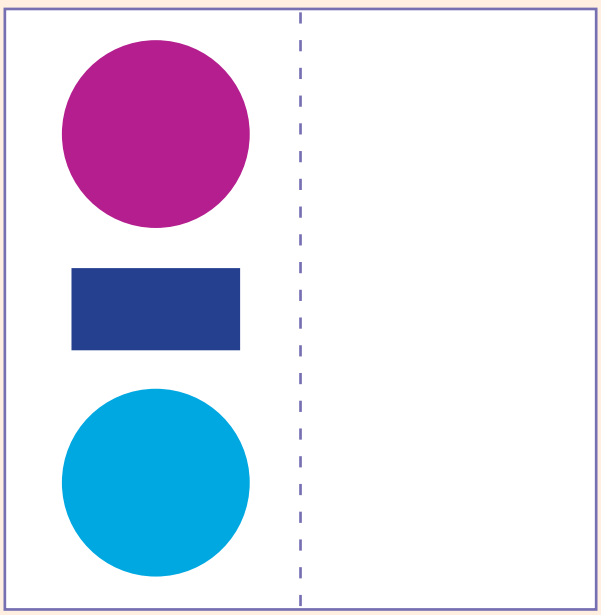
a.



b.



c.





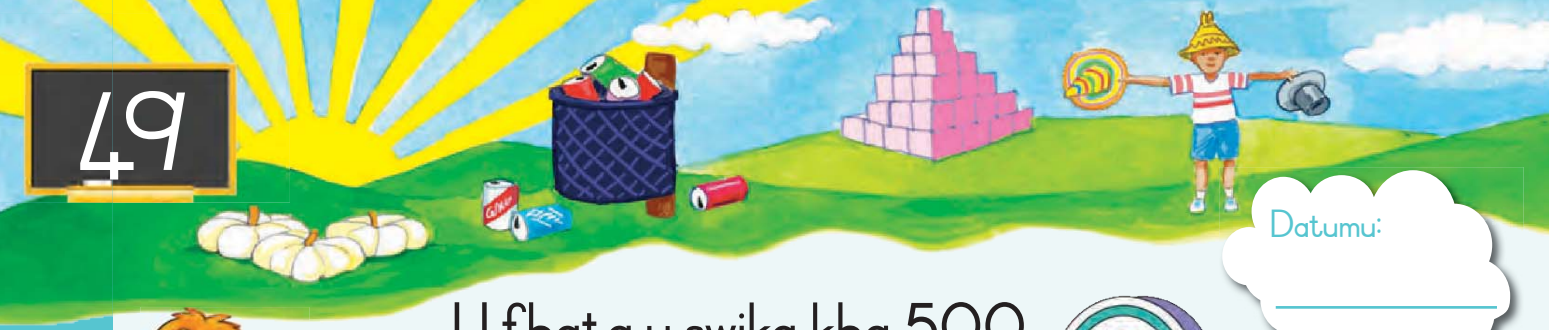
Ḓiiteleni khaphethe yaṋu inwi muṋe ya simethiri ni tshi shumisa zwivhumbeo.

Teacher:

Sign:

Date:





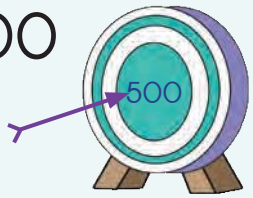
49

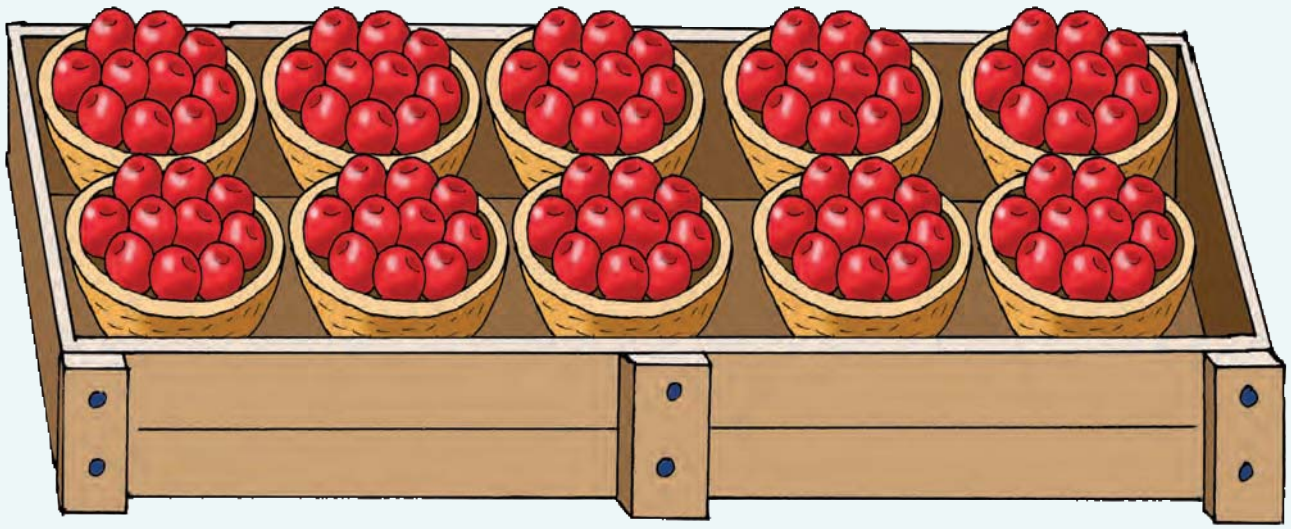
Datumu: _____

U fhaṱa u swika kha 500



U vhalela maapula





Fhedzisani na u andisa

basikiti (zwithatha) 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 _____.	

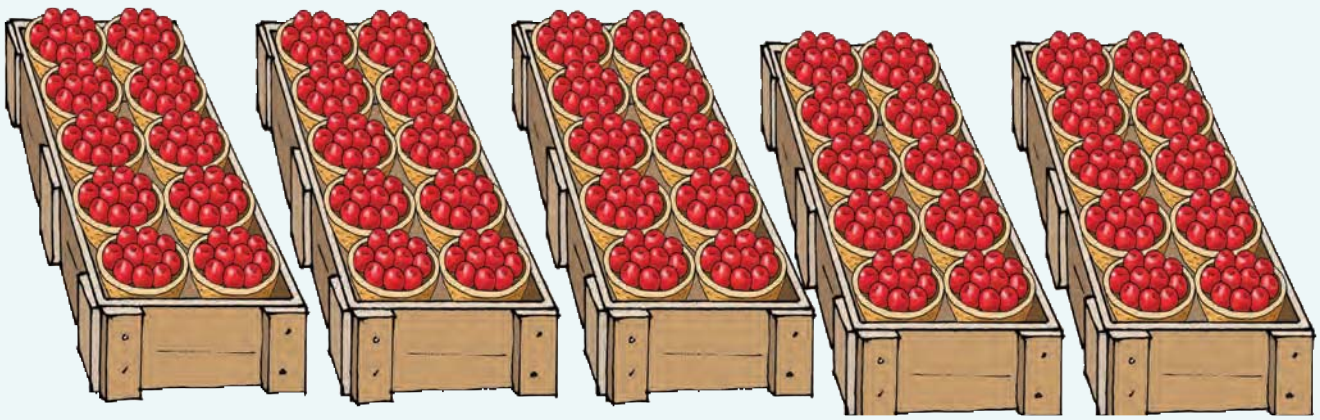
khireiti ya 1 ḽi hwala maapula a 100.	khireiti dza 2 dza hwala maapula a _____
khireiti dza 3 dza hwala maapula a _____	khireiti dza 4 dza hwala maapula a _____
khireiti dza 5 dza hwala maapula a _____	khireiti dza 2 dza hafu dzi hwala maapula a ___





Hu na maapula a 10 kha basikiti wa 1.

Hu na basikiti ya _____ kha khireiti nthihi.
Hu na maapula a _____ kha khireiti nthihi.
Hu na maapula mangana o ṱangana oṱhe? _____



U rekanya; u sumbedza na u ṅwala

300

40

5

Thomani nga u shumisa garaṱa dza nomboro ni tshi sumbedza ṱhanganyelo iṅwe na iṅwe. Ni kone u jenisa nomboro.

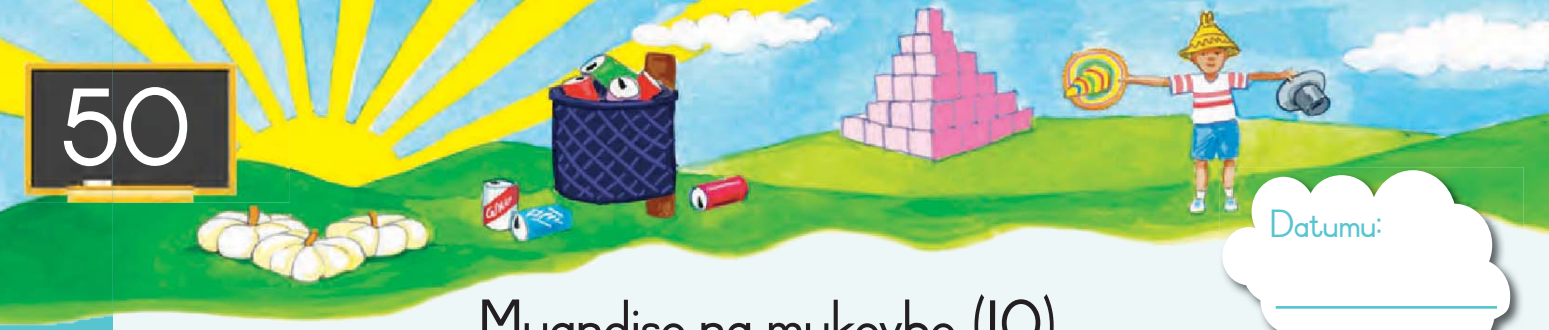
khireiti dza 3 + basikiti dza 4 + maapula a 5 = maapula a 345
khireiti dza 4 + basikiti dza 5 + maapula a 7 = maapula a ___
khireiti dza 5 + basikiti dza 2 + maapula a 3 = maapula a ___
khireiti dza 4 + basikiti dza 7 + maapula a 2 = maapula a ___

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20



Datumu: _____

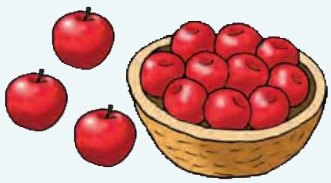
Muandiso na mukovho (10)



U vhala maapula

Ḓadzani thebuḽu.

Ndi basikiti (zwithatha) nngana dzo hwalaho maapula?



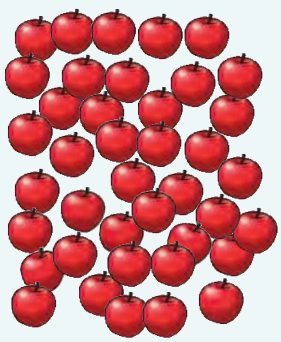
Maapula	10	20	30	40	50
Basikiti	1	2			
÷ ṱhanganyelo (mbalo) ya					50 ÷ 10 = 5
× ṱhanganyelo (mbalo) ya					5 × 10 = 50



Kovhelani vhana maapula. Olani tshifanyiso (nyolo)

a.









Sedzulusani phindulo dzaṋu.

□ ÷ □ = □

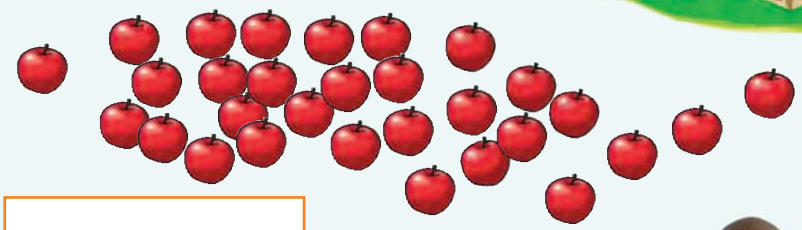
□ × □ = □





b.





Ṅwalani mbalo ya ÷

Ṅwalani mbalo ya a × ni tshi sedzulusa (ṱola) phindulo dzaṋu

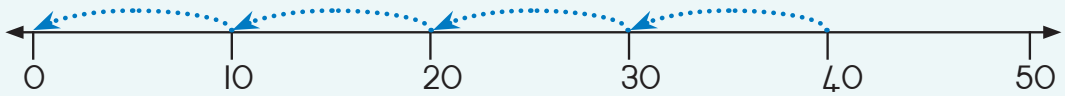






Tsumbo

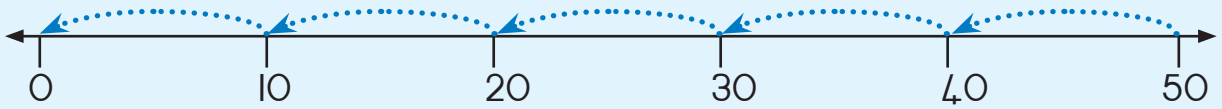
Shumisani nomboro kha u vhumba maf'hungombalo aṋu inwi muṋe.



÷	40 ÷ 10 = 4

×	4 × 10 = 40

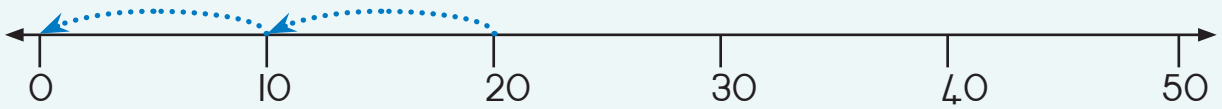
a.



÷	

×	

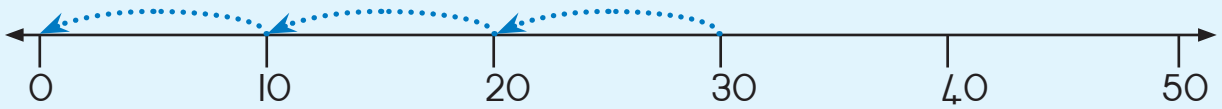
b.



÷	

×	

c.



÷	

×	



Ṅwalani nomboro i re ṱhukhu nga 10 na khulwane nga 10 khe ye na ṋewa.

_____, 460, _____	_____, 390, _____	_____, 500, _____

Teacher:
Sign:
Date:



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Datumu: _____

U vhala nga dzi2



U vhala ri tshi ya phanḓa na murahu nga dzi2

a. 232; 234; _____; _____; _____; 242; _____; _____; 248

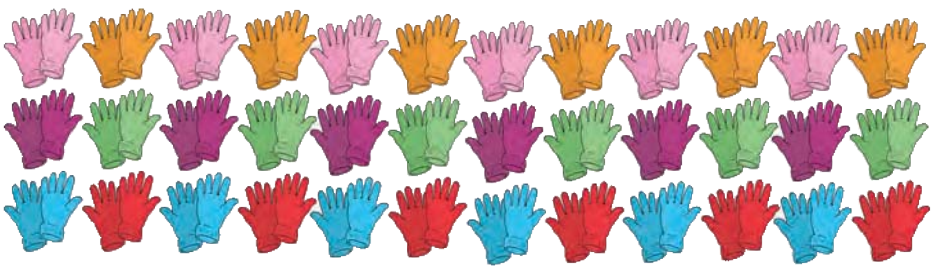
b. 500; _____; 496; _____; _____; 490; _____; _____; _____

c. 460; _____; _____; 400; _____; 360; _____; _____; _____

d. 341; _____; 361; _____; _____; 391; _____; 411; _____; _____



Phere dza magiḽavu



a. Hu na phere nngana dza magiḽavu kha rou iṅwe na iṅwe? _____

b. Hu na magiḽavu mangana mathihi a re kha rou iṅwe na iṅwe? _____

c. Hu na rou nngana? _____

d. Hu na magiḽavu mangana o ṱangana oṱhe? _____

e. Sumbedzani uri no zwi wana hani.

f. Ṅwalani phindulo yaṋu sa fhungombalo.

_____ × _____ = _____







Ndi magiḽavu mangana?

U ṅwala kha thebuḽu.

a.

	10	5	50	4	40	3	30	100
2								

b.

Giḽavu ḽi si na mungana (singili)	20	21	70	73
Phere dzine dza nga itwa				
Magiḽavu a si na mungana (a singili)o salaho				



U v hala nga mbili

a. Ndi nomboro if hio i no ḓa vhukati ?

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

b. Ṅwalani momboro mbili dzi no tevhela iyi.

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

c. Ṅwalani momboro mbili dzi no tevhela iyi.

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

Teacher:
Sign:
Date:





Datumu: _____

U jenisa dzithailisi



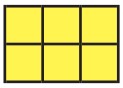
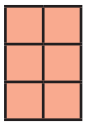
U pulana ngade



Mufumakadzi Vho Mabena vha na dzithailisi dza u naka.

Vha dzi shumisa u pheiva huṅwe fhethu ngadeni yavho.

Hu na dzithailisi dza zwikwea zwa 6 zwa saizi nthihi.

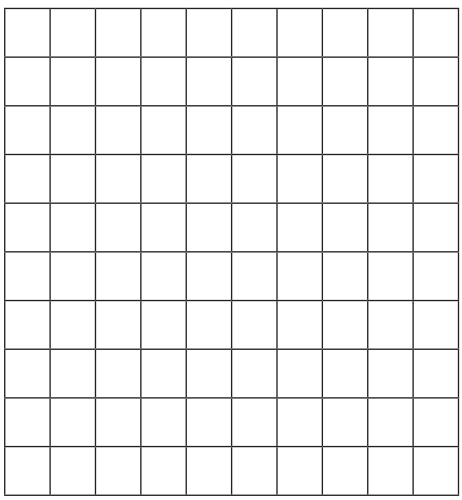
Ndi nga ita rou ya 1 nga dzithailisi dza 6.	Ndi nga ita rou dza 2 dzi na dzithailisi dza 3 kha rou.	Ndi nga ita rou dza 3 dzi na dzithailisi dza 2 kha rou iṅwe na iṅwe.
		
$6 \times 1 = 6$	$3 \times 2 = 6$	$2 \times 3 = 6$

Zwino ndi tshifhinga tshaṇu!

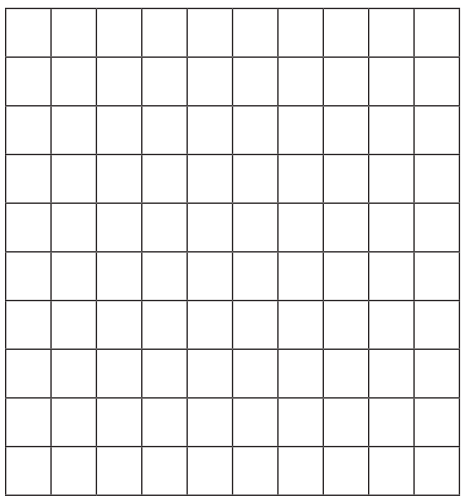
Olani zwibuḽoko u sumbedza uri ni nga vhekanya hani dzithailisi dza zwikwea zwa 7 na 9.

Ṅwalani maf'hungombalo a nyolo iṅwe na iṅwe.

zwikwea zwa 8



zwikwea zwa 9









U dzudzanya dzithailisi dza 12

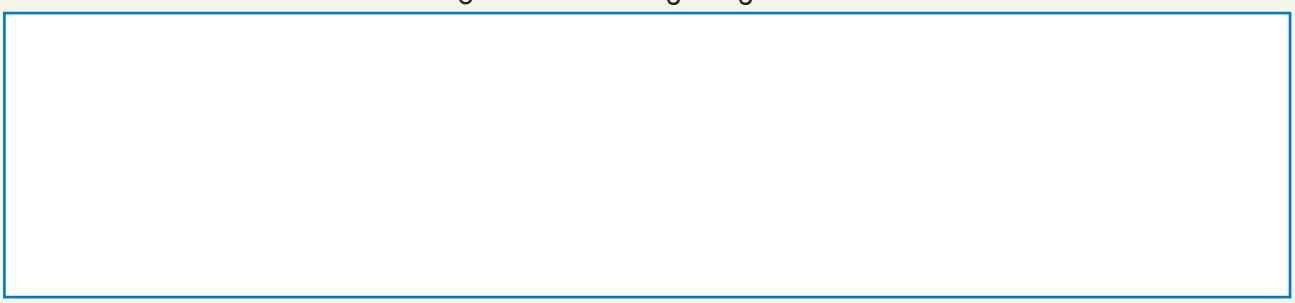
Mukundi u na thailisi dza zwikwea zwa 12 dza u pheiva tsini na nnḓu. Mu thuseni a wane ndila dzoṱhe dza u ita izwi. Ṅwalani fhungombalo ḽa ndila iṅwe na iṅwe.

	$1 \times 12 = 12$ $12 \times 1 = 12$
	
	



U dzudzanya dzithailisi dza 24

- Shumisani giridi i re kha tshigeriwa tsha 5.
- Swifhadzani zwibuḽoko zws 24 nga ndila dzo fhambanaho.
- Ṅwalani mafhungombalo u livhanyisa nyolo iṅwe na iṅwe.





Ndi a kona u andisa!

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







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Datumu: _____

Nga dzi5 u swika kha 500



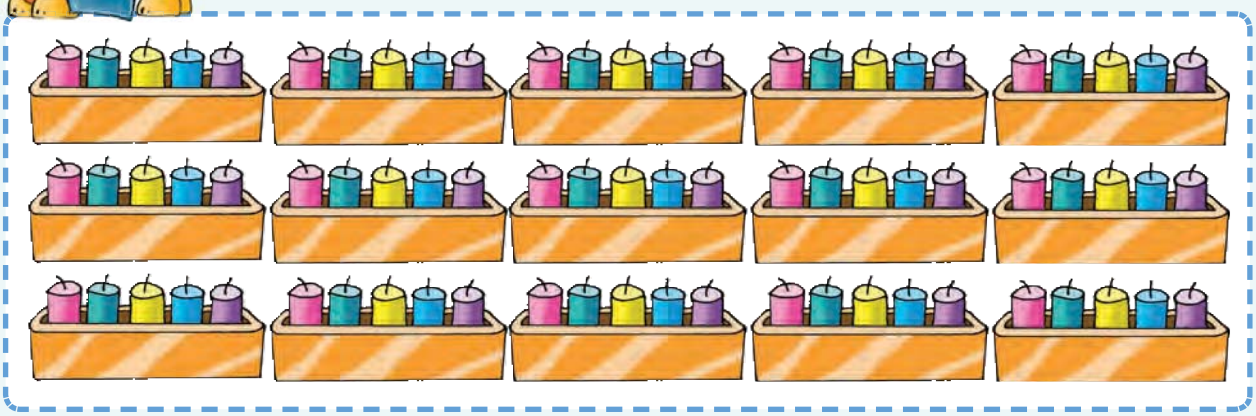
U ḓivha 5 dzaṉu

U ṅwala phindulo.

	1	2	3	4	5	6	7	8	9	10
× 5	5									



U vhala makhaṉḓela



a. Hu na makhaṉḓela mangana bogisini ḽiṅwe na ḽiṅwe?

b. Hu na mabogisi mangana kha rou iṅwe na iṅwe?

c. Hu na makhaṉḓela mangana kha rou iṅwe na iṅwe?

d. Hu na makhaṉḓela mangana o ṱangana oṱhe?



U sumbedza phindulo

Swayani (✓) maf hungombalo ane a sumbedza ṱhanganyelo ya tshivhalo tsha makhaṉḓela.

a. 5 × 3 × 3 = ☐ b. 15 × 3 = ☐ c. 3 × 5 × 5 = ☐ d. 15 × 5 = ☐



1 2 3 4 5 6 7 8 9 10



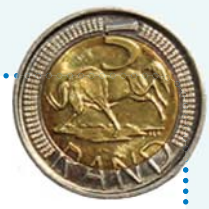
U vhala ni tshi ya phanḓa na murahu nga 5

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 ḓo ṱoḓa dza u ita?

R5 ÷ R5= 1 khoini	R10 ÷ R5= 2 khoini	R15? ____	R20? ____	R25? ____
R30? ____	R35? ____	R40? ____	R45? ____	R50? ____

2 × R5 = R _____

4 × R5 = R _____

3× R5 = R _____

6 × R5 = R _____



U andisa nga 5

Tsumbo: 1 × 5 = 5; 11 × 5 = 55; 21 × 5 = 105

Humbulani nga vhuṱali! Fhaṱani 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									

Teacher:
Sign:
Date:



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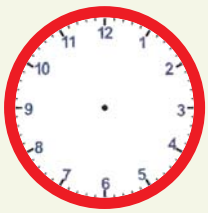
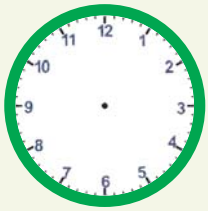
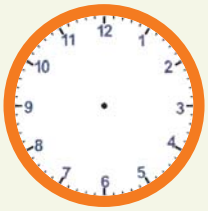
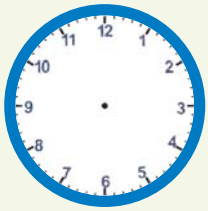
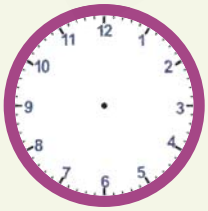
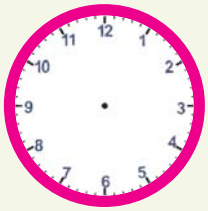
Datumu: _____

U shuma nga tshifhinga



U ola zwifhinga



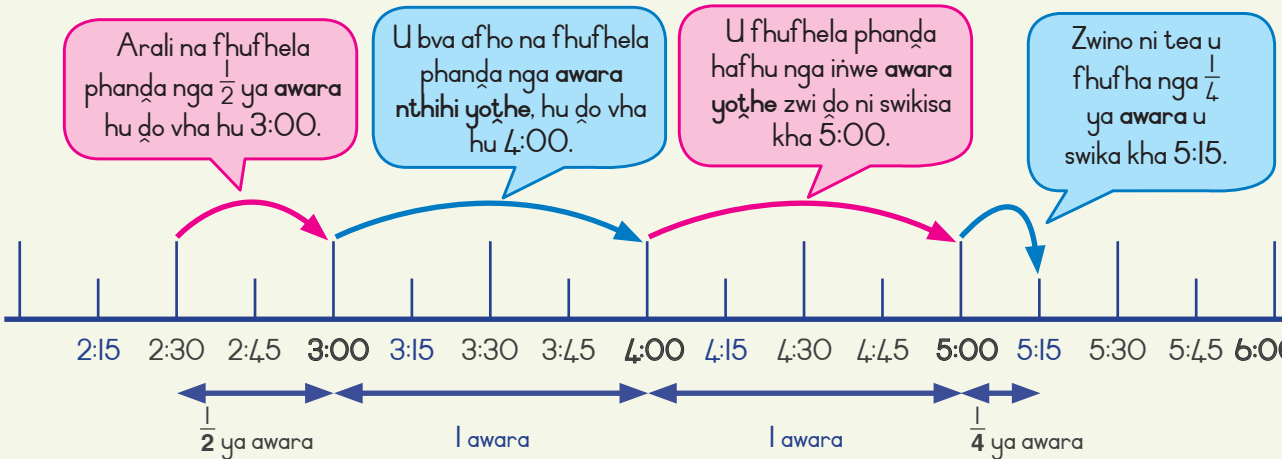
					
Hafu u bva kha awara ya 5	Kotara u ya kha awara ya vhufumithihi	Kotara u bva kha awara ya 12	12:45	6:15	4:30



Thaidzo dza tshifhinga

Mme a Tshililo vha bva hayani nga 2:30.
Vha vhuya nga 5:15.
Vha vha vha siho lwa tshifhinga tshingafhani?

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



$\frac{1}{2}$ ya awara ra ṱanganyisa na awara mbili dzoṱhe zwi ita awara $2\frac{1}{2}$.

Ra ṱanganyisa na $\frac{1}{4}$ ya awara zwi ita awara $2\frac{3}{4}$ ya awara zwo ṱangana zwoṱhe.





Mbalo dza tshifhinga

Ṱolani. Vhambedzani. Lulamisani.

Tandululani mbalo iṅwe na iṅwe.
Shumisani tsumbatshifhinga ya zwiwo zwa ndeme uri i ni thuse.

a. Lutendo u ya u ṱolela khotsi awe kiḽiniki nga 3:45.

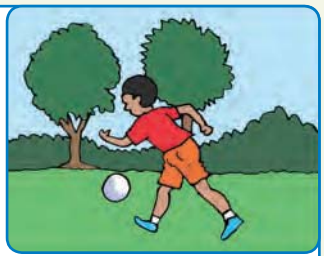


U huma nga 5:15.

O fhedza tshifhinga tshingafhani?

_____

b. Mulalo u ya phakhani nga 10:45.



U humela hayani nga 12:30.

O vha o ṱuwa tshifhinga tshingafhani?

_____

c. Tumi u thoma u vhala nga 1:15.



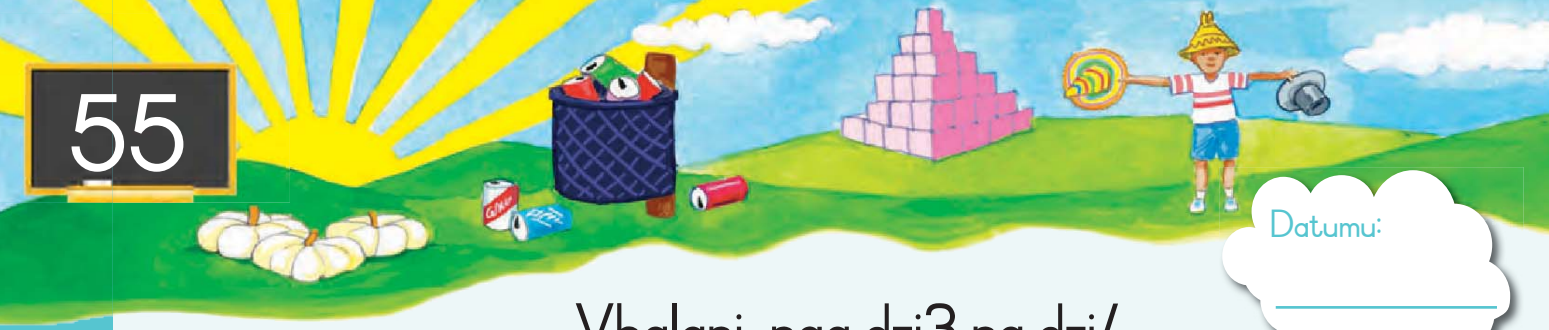
U fhedza nga 2:45.

Tumi u vhala tshifhinga tshingafhani?

_____

Teacher:
Sign:
Date:





Datumu: _____

Vhalani nga dzi3 na dzi4



Bodo dzi re na milenzhe ya 3

Ṱanganyani ni ṅwale phindulo



a.	Hu na bodo nngana kha rou? _____
b.	Hu na milenzhe mingana kha rou? _____
c.	Hu na rou nngana dza bodo? _____
d.	Hu na milenzhe mingana yo ṱangana yoṱhe? Sumbedzani uri no zwi shuma nga ndilaḓe.

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

21 × 7 = ☐ 3 × 7 × 3 = ☐ 3 × 4 × 2 = ☐ 21 × 3 = ☐



Hu na milenzhe mingana?

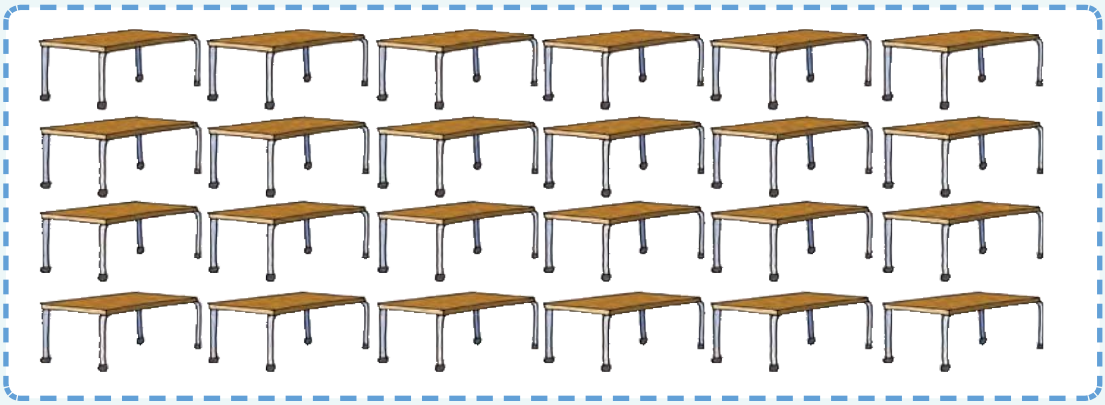
Elekanyani nga u ṱavhanya
Elekanyani nga vhuṱali

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

1 2 3 4 5 6 7 8 9 10



Milenzhe ya ṱafula



a. Hu na ṱafula nngana kha rou? _____

b. Hu na milenzhe mingana kha rou? _____

c. Hu na rou nngana dza ṱafula? _____

d. Hu na milenzhe mingana yo ṱangana yoṱhe? Sumbedzani uri no zwi shuma nga ndilaḓe.

Femeni



Muvhaḓi u ita ṱafula. U thoma nga vhuḓa milenzhe.

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

U ḓo ṭoḓa milenzhe mingana uri a ite ṱafula iṅwe nthihi?

Fhedzisani giridi nga u fhindula mbudziso.

	2	3	4	5	8	10	11	12
× 3	6							
× 4	8							

Teacher:
Sign:
Date:



Datumu: _____

Vhalani nga dzi50.



Ṅwana muthihi, nguvho nthihi!

Hu na vhana vhangana? Anganyelani, ni kone u vha vhala.





Ngovho ya Fulufhelo.

Vhana vhashu kha vha dudelwe.

NPO 123 - 098



Vhana vhoṱhe vha re tshifanyisoni itshi vha fhiwa nguvho.
Ndi vhana vhangana vha re hone? ____

Anganyelani	Vhalani	Vhambedzani

Ndi ☺ vhatukana vhangana? ____ Ndi ☺ vhasidzana vhangana? ____

1 2 3 4 5 6 7 8 9 10



Vha badela vhugai?

Mafhungo  u renga  a 2.

U badela R ____

Mufumakadzi Vho Singo  vha renga  a 5.

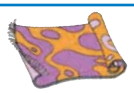
Vha badela R ____

Itani kosekose!
R50 ya nguvho ya 1



Vha vhengele ḽa Thembi Stores  ḽi renga  a 20.

Vha renga R ____

 a 5 nga R50 = R100	 a 10 nga R50 = R200
 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 ḓo jia tshifhinga tshingafhani? Shumisani khaḽenda.

Kiḽasi ya Gireidi ya 3 i kuvhanganya tshelede ya u renga nguvho dza 4.



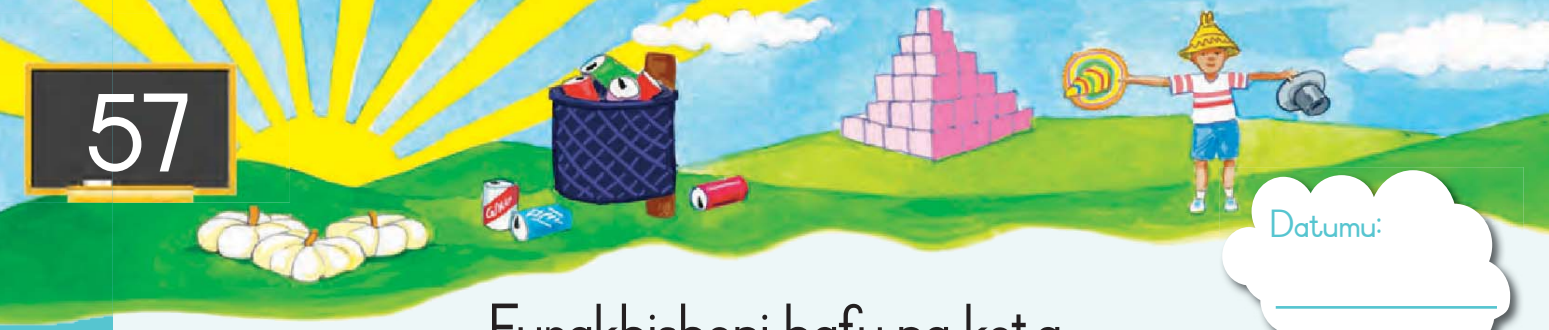
Vha kuvhanganya R5 nga ḓuvha kha maḓuvha a 5 nga vhege.

Vha thoma nga Musumbuluwo wa ḽa 1 ḽa Ṱhafamuhwe. Ndi nga ḓuvha ḽifhio ḽa Ṱhafamuhwe ḽine vha ḓo vha vho no wana tshelede ine vha khou i ṱoḓa?

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



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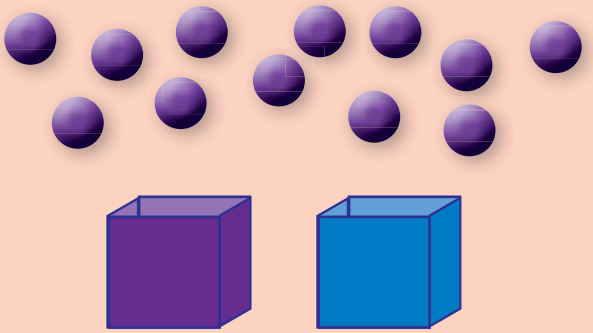
Datumu: _____

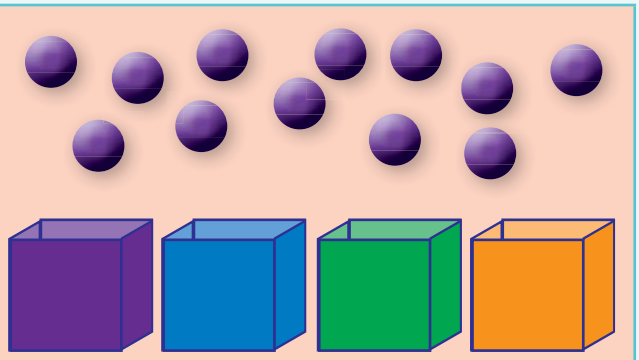
Furakhisheni hafu na kota



Kovhani bola dzi tshi lingana afho zwibogisini



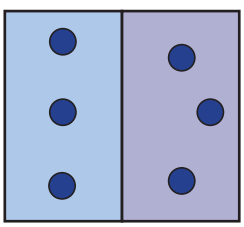
- Hu na bola nngana bogini ḽiṅwe na ḽiṅwe? ☐
- Ndi bola nngana dzi re bogisini ḽa phephuḽu? ☐
- Ndi furakhisheni if hio i re bogisini ḽa phephuḽu? ☐



- Hu na bola nngana bogini ḽiṅwe na ḽiṅwe? ☐
- Ndi bola nngana dzi re bogisiniḽa phephuḽu? ☐
- Ndi furakhisheni if hio i re bogisini ḽa phephuḽu? ☐

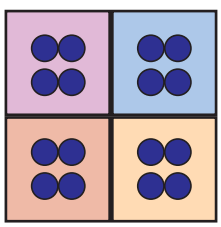


Lavhelesani zwifanyiso ni f hindule mbudziso.



Ni kona u vhala zwitendeledzi zwingana? ☐

$\frac{1}{2}$ ya zwitendeledzi ndi if hio? ☐



Ni kona u vhala zwitendeledzi zwingana? ☐

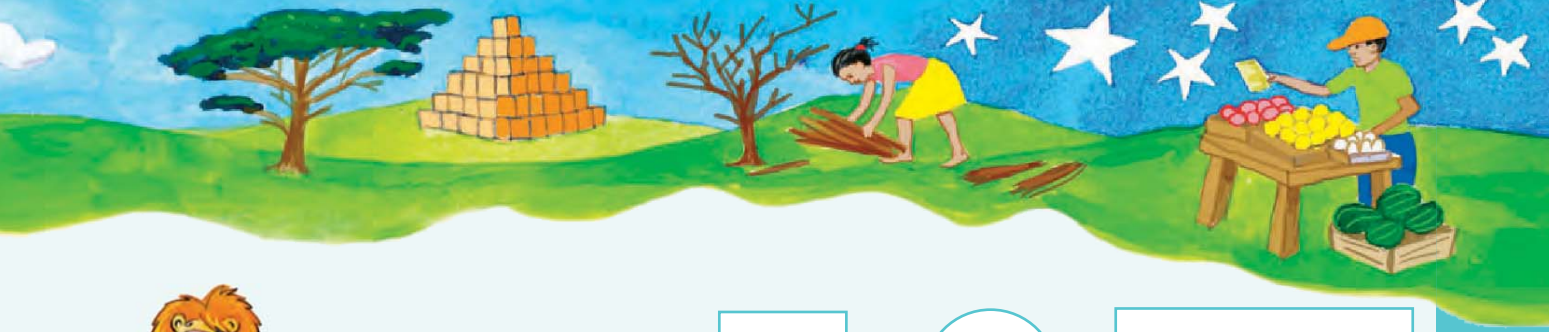
$\frac{1}{4}$ ya zwitendeledzi ndi if hio? ☐

$\frac{2}{4}$ ya zwitendeledzi ndi if hio? ☐

$\frac{3}{4}$ ya zwitendeledzi ndi if hio? ☐

$\frac{4}{4}$ ya zwitendeledzi ndi if hio? ☐







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

Khaḽarani $\frac{1}{4}$ ya zwivhumbeo.

Khaḽarani $\frac{1}{4}$ ya zwivhumbeo.

Khaḽarani $\frac{3}{4}$ ya zwivhumbeo.



Lavhelesani zwiṱirepe (vhubammbiri) zwa furakhisheni

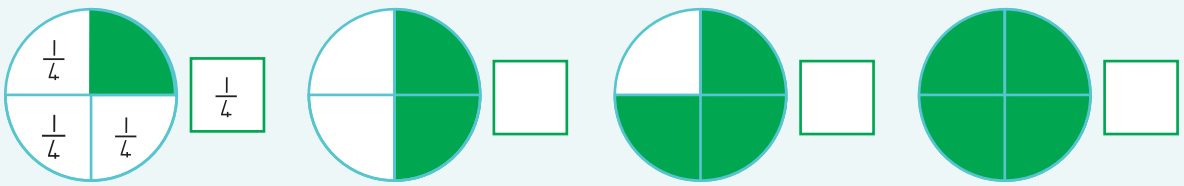
Yoṱhe ya	
$\frac{1}{2}$	$\frac{1}{2}$
$\frac{1}{4}$ $\frac{1}{4}$	$\frac{1}{4}$ $\frac{1}{4}$

a. Ndi hafu ($\frac{1}{2}$) nngana dzi no ḓo ita yoṱhe nthihi?

Ndi kota ($\frac{1}{4}$) nngana dzi no ḓo ita yoṱhe nthihi?

Ndi kota ($\frac{1}{4}$) nngana dzi no ḓo ita yoṱhe nthihi?

b. Lavhelesani daigiramu (nyolo) ni ṅwale furakhisheni ya tshipiḓa tsho swifhadzwaho.



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

Teacher:
Sign:
Date:



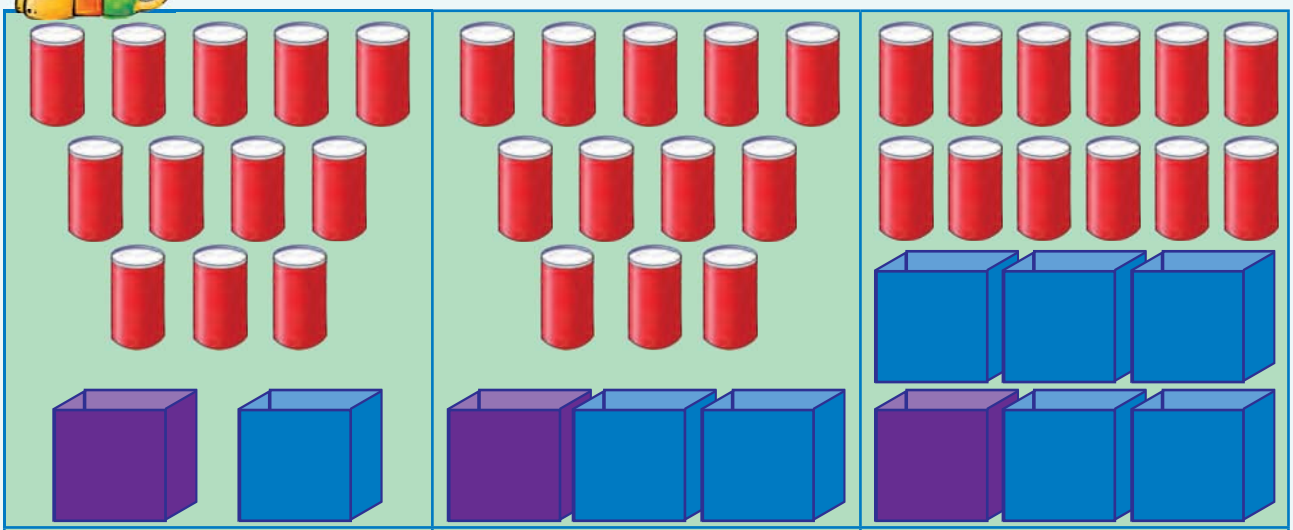


Datumu: _____

Furakhisheni: hafu; zwararu na zwarathi



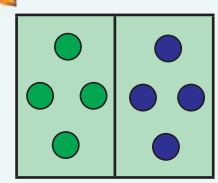
Kovhani zwikoṱikoṱi (siḽinda) nga u lingana mabogisini.



Ṱhanganyelo ya bola:	12		
• Hu na bola nngana bogisini ḽa phephuḽu?	6		
• Ndi furakhisheni if hio i re bogisini ḽa phephuḽu?	$\frac{1}{2}$		

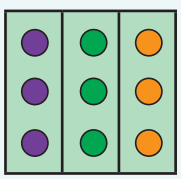


Lavhelesani zwifanyiso ni f hindule mbudziso.



Ni kona u vhala zwitendeledzi zwingana? ☐

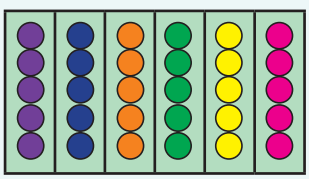
$\frac{1}{2}$ ya zwitendeledzi ndi if hio? ☐



ya zwitendeledzi ndi if hio? ☐

ya zwitendeledzi ndi if hio? ☐

ya zwitendeledzi ndi if hio? ☐



ya zwitendeledzi ndi if hio? ☐

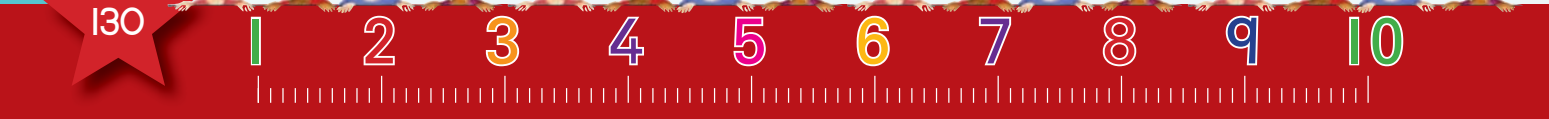
ya zwitendeledzi ndi if hio? ☐

ya zwitendeledzi ndi if hio? ☐

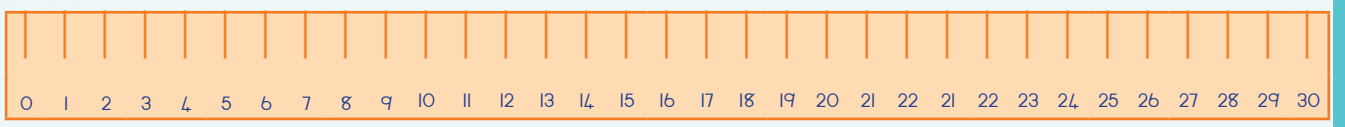
ya zwitendeledzi ndi if hio? ☐

ya zwitendeledzi ndi if hio? ☐





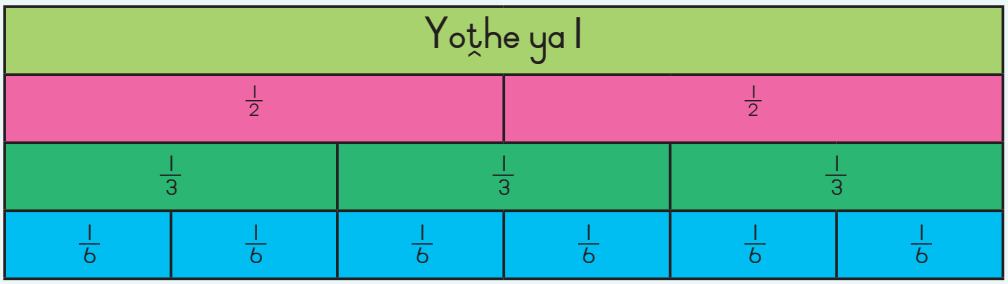




- Sumbedzani hafu kha ruḽa. Hetshi tshi lingana na _____ cm
- Sumbedzani tshararu kha ruḽa. Hetshi tshi lingana na _____ cm
- Sumbedzani tsharathi kha ruḽa. Hetshi tshi lingana na _____ cm



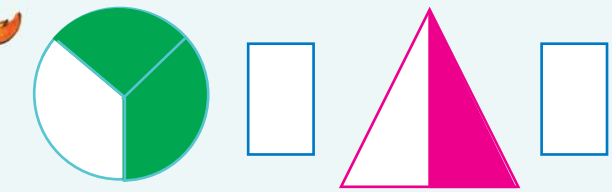
Lavhelesani zwiṱirepe zwa furakhishini. Fhedzisani mafhungo.

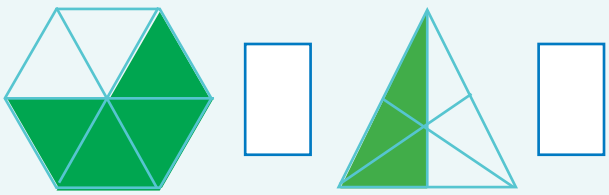


- Hu na hafu dza ___ kha yoṱhe.
- Hu na zwararu zwa ___ kha yoṱhe.
- Hu na zwarathi zwa ___ kha yoṱhe.
- Hu na zwarathi zwa ___ kha hafu.
- Hu na zwarathi zwa ___ kha tshararu.



Ṅwalani furakhisheni ya tshipiḓa tsho swifhadzwaho.





Tangedzelani furakhisheni khulwane.

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

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

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

Teacher:
Sign:
Date:



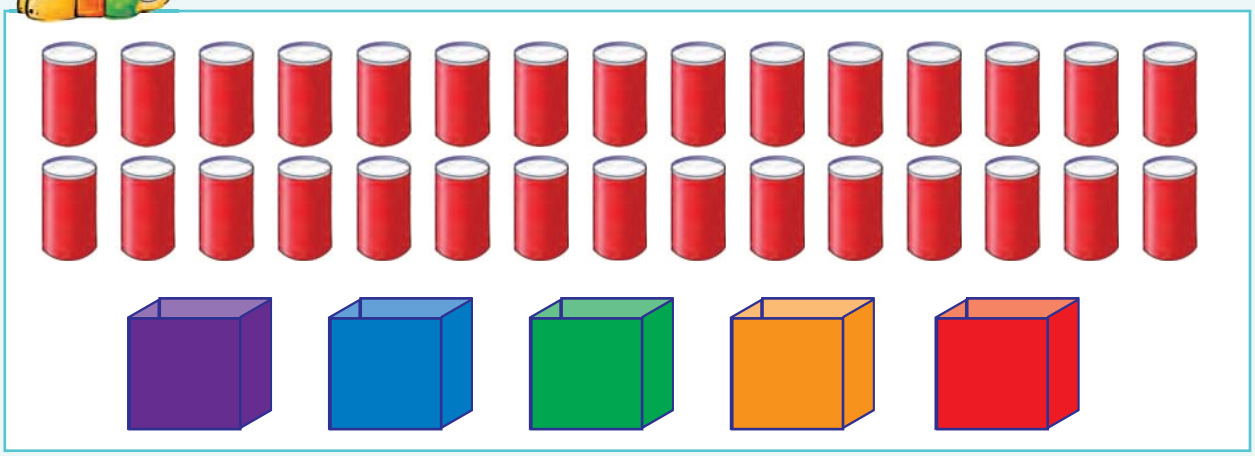


Datumu: _____

Furakhisheni: tshaṱhanu



Kovhani zwikoṱikoṱi mabogisini.



- Hu na zwikoṱikoṱi wa 6 kha $\frac{1}{5}$ ya mabogisi.
- Hu na zwikoṱikoṱi wa ☐ kha $\frac{2}{5}$ ya mabogisi.
- Hu na zwikoṱikoṱi wa ☐ kha $\frac{3}{5}$ ya mabogisi.
- Hu na zwikoṱikoṱi wa ☐ kha $\frac{4}{5}$ ya mabogisi.
- Hu na zwikoṱikoṱi wa ☐ kha $\frac{5}{5}$ ya mabogisi.



Lavhelesani zwifanyiso ni fhindule mbudziso.

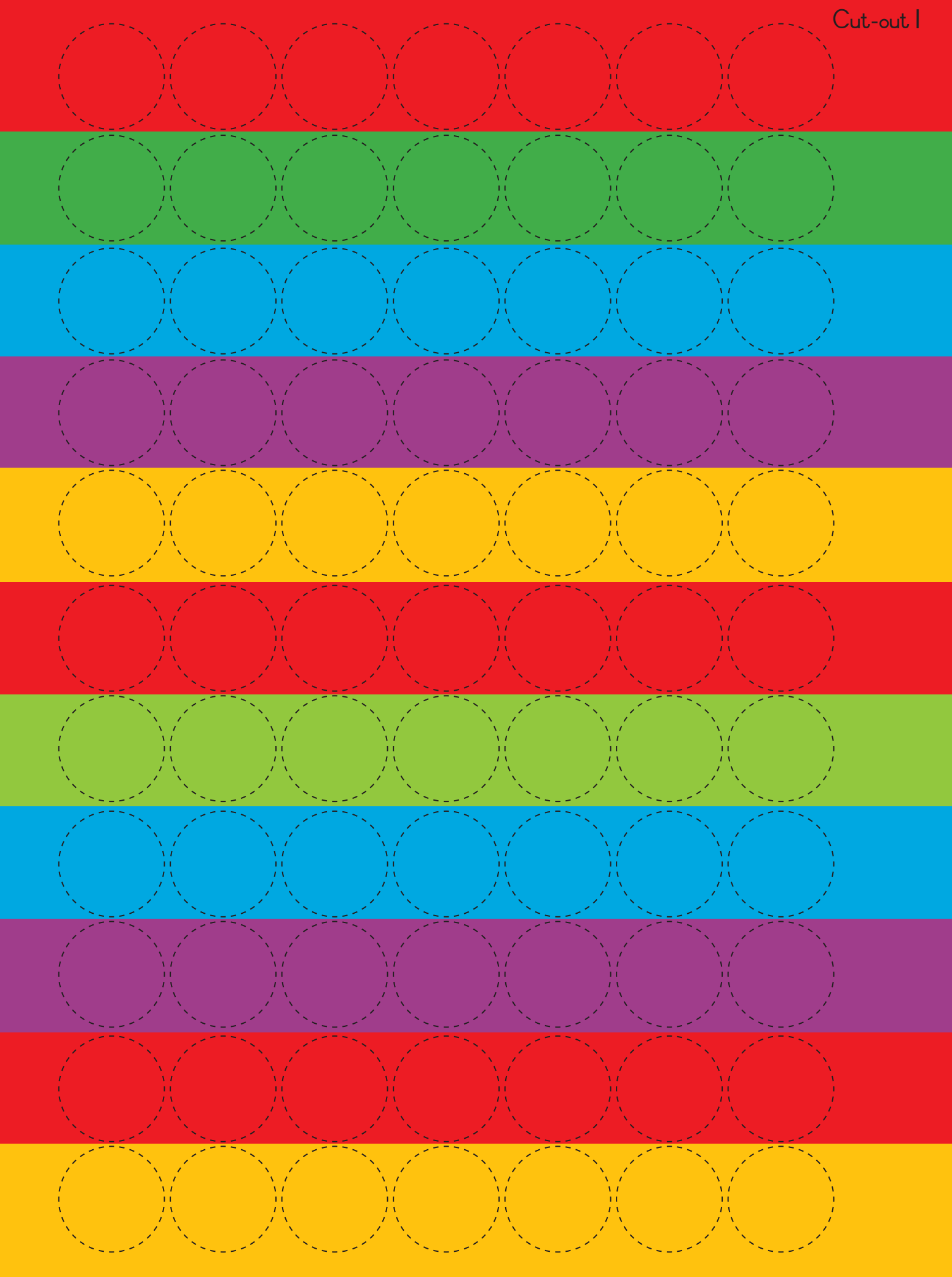
Hu na tshokoḽeithi nngana bogisini? ☐



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

- Liṅwe ḓuvha ndo ḽa $\frac{1}{5}$ ya tshokoḽeithi. Ho sala tshokoḽeithi nngana? ☐
- Liṅwe ḓuvha ndo dovha nda ḽa $\frac{1}{5}$. ya tshokoḽeithi. Ho sala tshokoḽeithi nngana? ☐




Cut-out 1

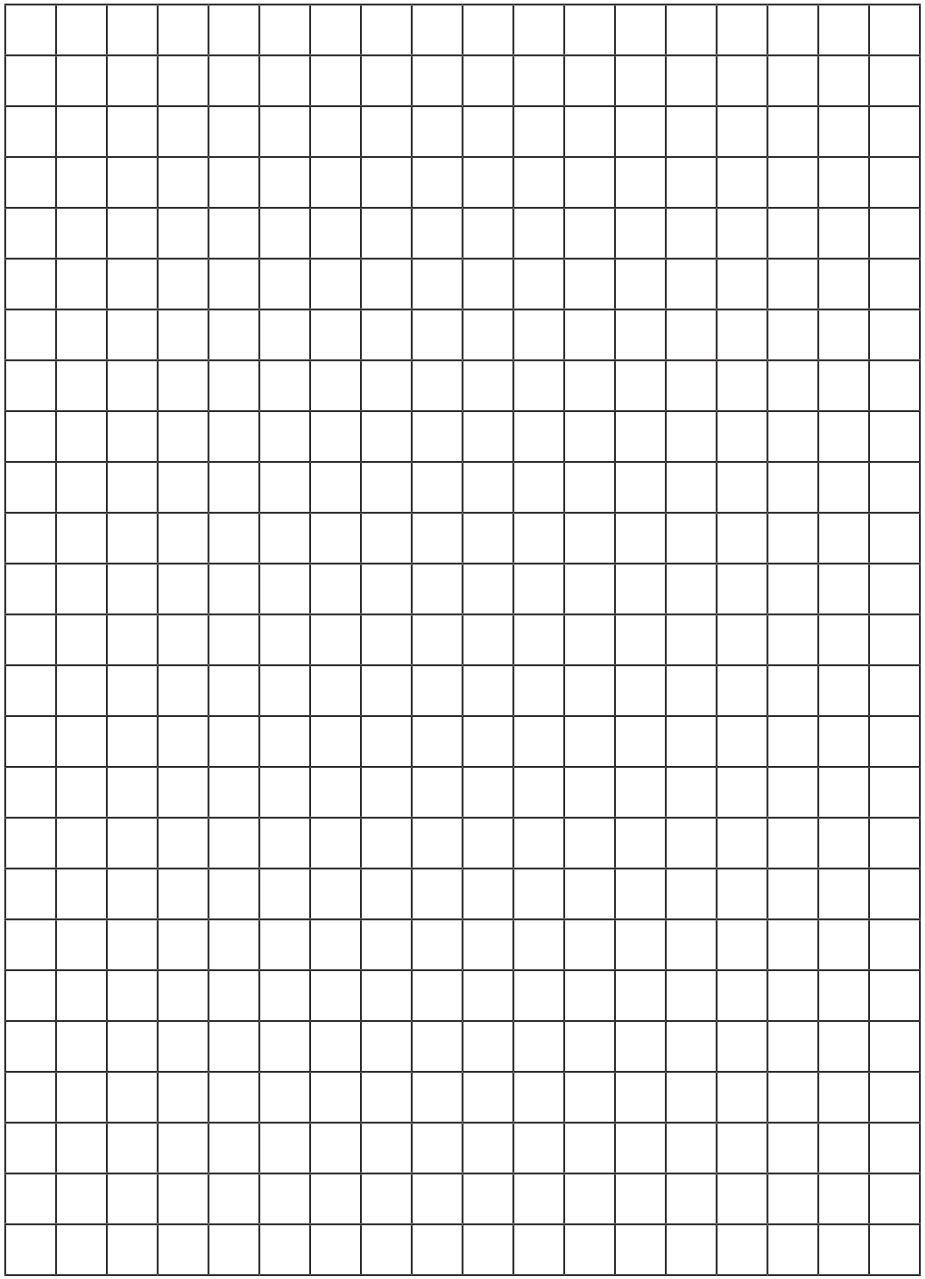
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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
201	202	203	204	205	206	207	208	209	210

Cut-out 3

1	1	0	1	0	0
2	2	0	2	0	0
3	3	0	3	0	0
4	4	0	4	0	0
5	5	0	5	0	0
6	6	0	6	0	0
7	7	0	7	0	0
8	8	0	8	0	0
9	9	0	9	0	0

Cut-out 4



1	0	0	1	0	1
2	0	0	2	0	2
3	0	0	3	0	3
4	0	0	4	0	4
5	0	0	5	0	5
6	0	0	6	0	6
7	0	0	7	0	7
8	0	0	8	0	8
9	0	0	9	0	9

Cut-out 5

