U ʈalukanya Mulayotewa (Ndayotewa) wa Riphabuḷiki ya Afrika Tshipembe (1996)

Milayo ya nṱhesa ya shango i wanala kha Mulayotewa (Ndayotewa) wa Riphabuḷiki ya Afrika Tshipembe (1996). Milayo iyi i na maanḓa u fhira na muphuresidennde, maanḓa ayo a fhira a dzikhothe na a muvhuso woṱhe.

Ndi milayo ine ya laya vhathu vha ḷino shango uri vha tea u farana nga nḓilaḓe. Mulayotewa wa shango wo itelwa u tsireledza roṱhe ri no khou tshila zwino na vhana vhashu vhane vha kha ḓi ḓo ḓa.

ʈalukanyani hune ra bva hone.	Ri songo dovha vhukhakhi ha mulovha.	Mulayotewa washu u ri thusa uri ri elekanye nga vhumatshelo ha khwiṋe ha roṱhe khathihi na u vhu fhaṱa.

Riṋe, vhathu vha Afrika Tshipembe;

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

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

Ri ʈhonifha havho vhe vha shuma vha tshi itela u fhaṱa na u bveledzisa shango ḽashu; na



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

Zwenezwo, nga kha vhaimeleli vho khethiwaho zwavhuḓi, ri khou ʈanganedza ino Ndayotewa sa wone Mulayo Muhulusa wa Riphabuḷiki uri u—

- Fhelise khethululo ya tshifhinga tsho fhelaho na u thoma tshitshavha tshine tsho ḓisendeka kha ndeme dza demokirasi, vhulamukanyi ha matshilisano na pfanelo dza vhuthu;
- Fhaṱe mitheo kha demokirasi na tshitshavha tshi re khagala hune
- muvhuso wo ḓisendeka kha lufuno lwa vhathu nahone vhadzulapo
- vho tsireledzwa nga mulayo nga nḓila I linganaho;
- Khwinisa ndeme ya Vhutshilo ha vhadzulapo vhoṱhe na u vhofholola vhukoni ha muthu muṅwe na muṅwe; na
- Fhaṱa mbumbano na demokirasi zwa Afrika Tshipembe uri ḽi kone u vha fhethu ho teaho sa muvhuso wo ḓiimisaho kha muṱa wa tshaka.



Shumisani pfanelo dzaṋu sa mudzulapo wa Afrika Tshipembe ni dovhe ni vhe na vhuḓifhinduleli ha u tsireledza pfanelo dza vhaṅwe.	Ḓivhani Mulayotibe Wa Pfanelo na Mulayotibe Wa Vhuḓifhinduleli.

Mudzimu tsireledza vhathu vhashu.
Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Hosi katekisa Afrika.

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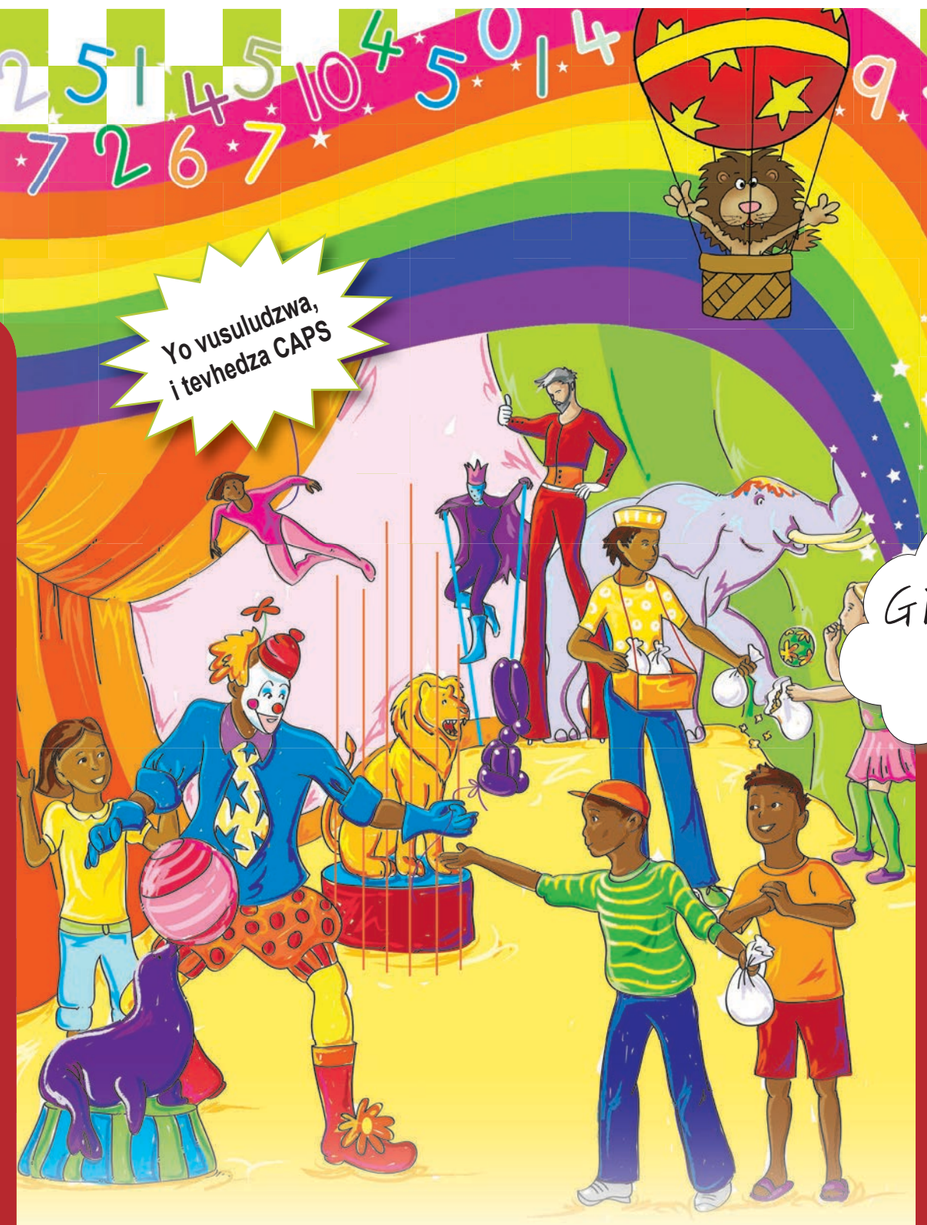

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Vho Angie Motshekga
Minista wa Muhasho wa Pfunzo ya Muteo



Vho Enver Surty
Muthusaminista wa Pfunzo ya Muteo

Bugu idzi dzo 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 gireidi dza rathi dza u ranga. Sa tshiṅwe tsha zwithu zwihulwane zwa Pulanetshumisi ya Muvhuso, thandela iyi yo konadzea nge ya lambedzwa lu sa vhudziswi nga Muhasho wa Gwama ḽa Lushaka.

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 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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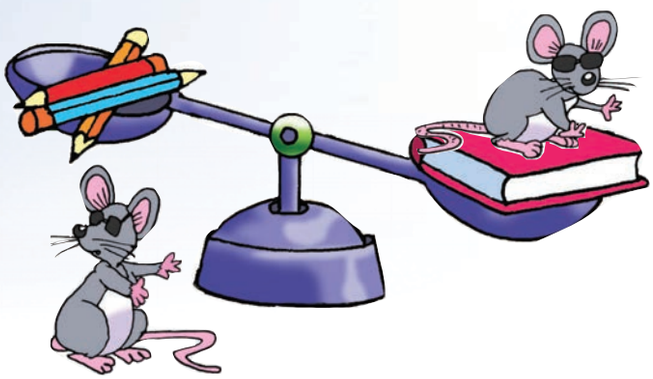

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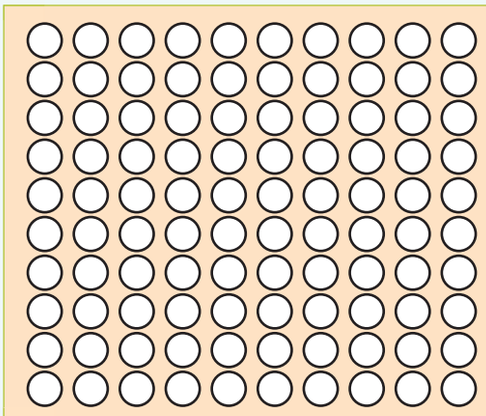
65

Nomboro 50 – 99

Deithi:

Khaḽarani zwitendeledzi zwa 58.



5 0

8



Ṅwalani nomboro. Tsumbo ya u thoma i ḓo ni dededza.

6 0 8 60 + 8 = 68	8 0 6 =	5 0 3 =
7 0 1 =	9 0 5 =	6 0 9 =



Ṅwalani phindulo. Tsumbo ya u thoma i ḓo ni dededza:

furarumalo

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4 Ṅwalani phindulo dzaṉu dza zwi re afho nṯha nga maipfi:

Ṯhukhu		Nomboro	Khulwane	
		55		
		63		
		88		
		95		
		71		

5 Fhedzisani mitalombalo iyi.

80 81 82 ☐ ☐ ☐ 86 87 ☐ 89 90

60 59 58 ☐ ☐ ☐ ☐ ☐ ☐ ☐ 50

67 68 69 ☐ ☐ ☐ 73 74 ☐ ☐ 77

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

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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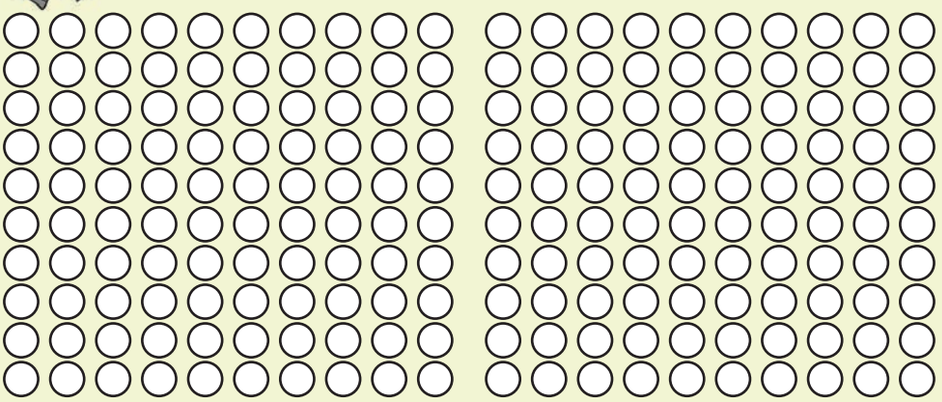
66

Nomboro 100 – 150

Deithi:

1 Khaḽarani zwitendeledzi zwa 139.



1 0 0

3 0

9

2 Nwalani nomboro ya:

1 0 0 + 2 0 + 8 = 128	1 0 0 + 4 0 + 9 =	1 0 0 + 4 0 + 2 =
1 0 0 + 5 0 =	1 0 0 + 2 0 + 7 =	1 0 0 + 3 0 + 5 =

3 Ndi nomboro ifhio i no ḓa vhukati ha:

103 na 105? _____

139 na 141? _____

120 na 122? _____

150 na 148? _____

146 na 148? _____

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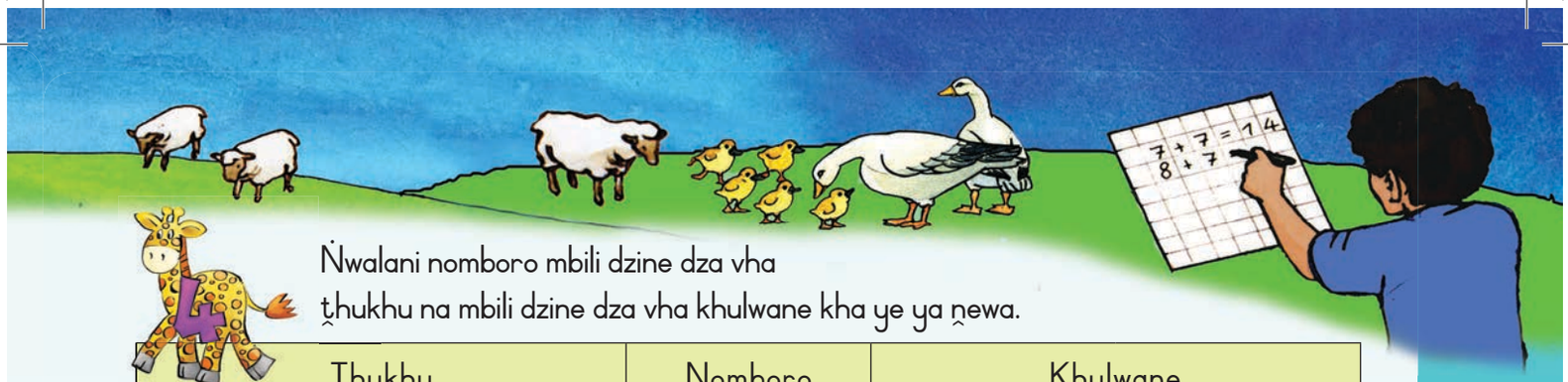

Ṅwalani nomboro mbili dzine dza vha ṱhukhu na mbili dzine dza vha khulwane kha ye ya ṉewa.

Ṱhukhu		Nomboro	Khulwane	
		123		
		145		
		108		
		141		
		134		

Fhedzisani mitalombalo iyi.

150 151 ☐ 153 ☐ ☐ 156 ☐ ☐ ☐ 160

180 179 178 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

166 167 ☐ ☐ ☐ ☐ 172 ☐ ☐ 175 176

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

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Date:

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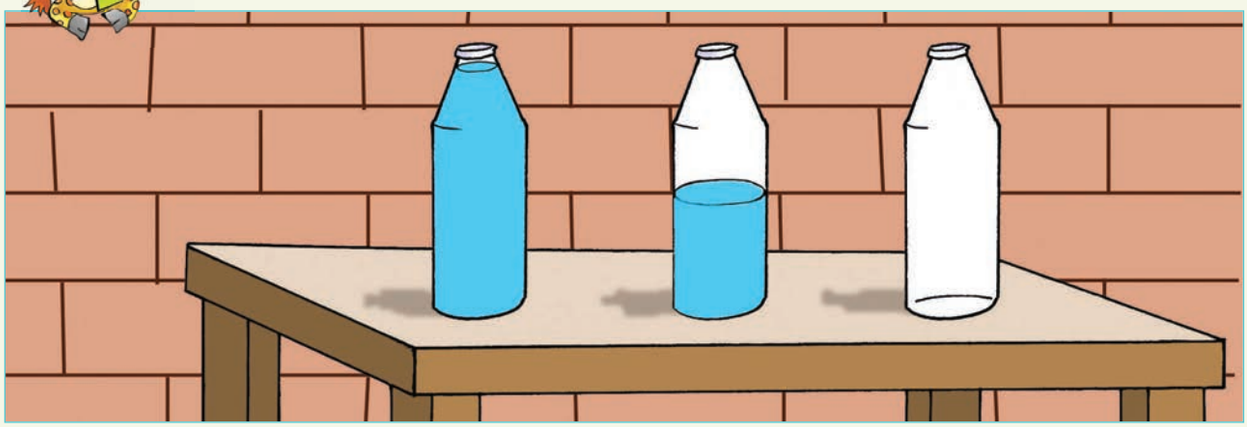
67

Deithi:

Ḓala, denga, a tshi na tshithu

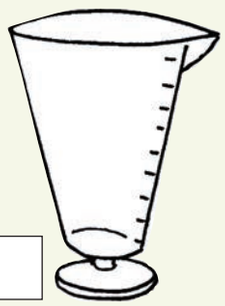
1 Ambani nga maboḓelo a re nṱha ha ṱafula ya mugudisi.



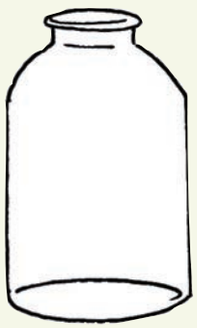
2 Bulani uri tshifaredzi tsho ḓala, tshi denga kana a tshi na tshithu.







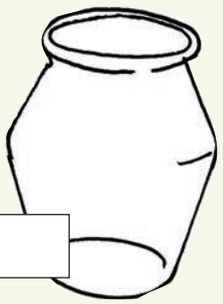












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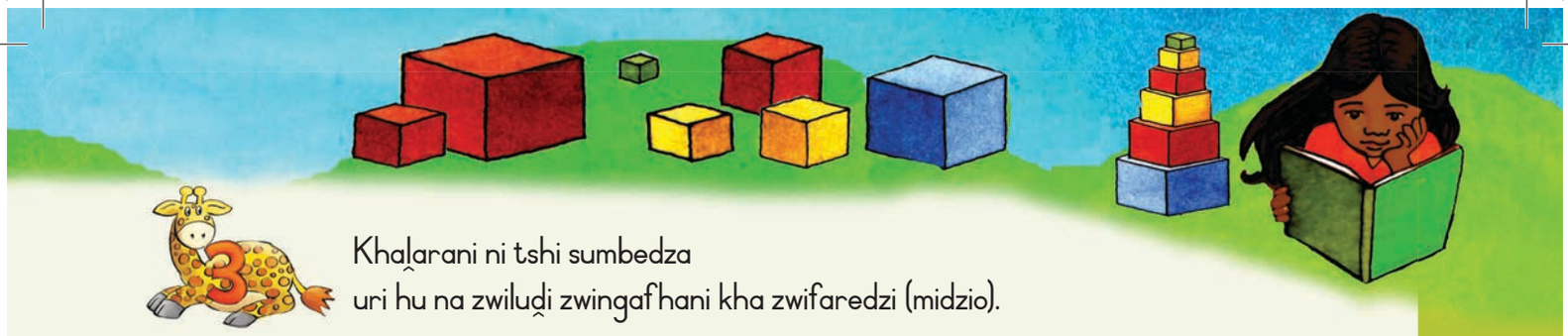
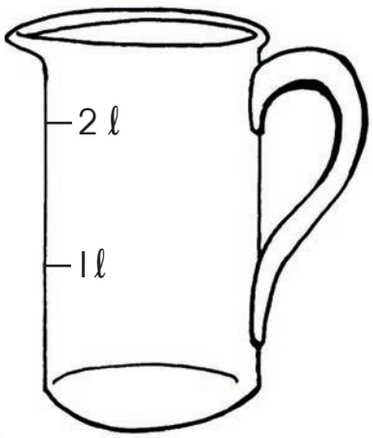
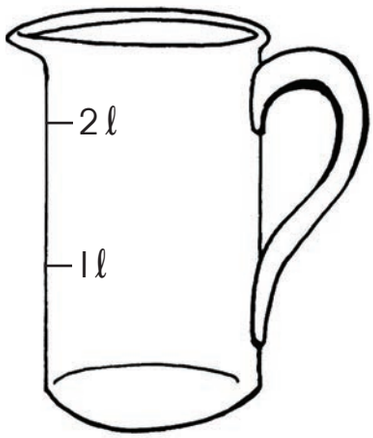
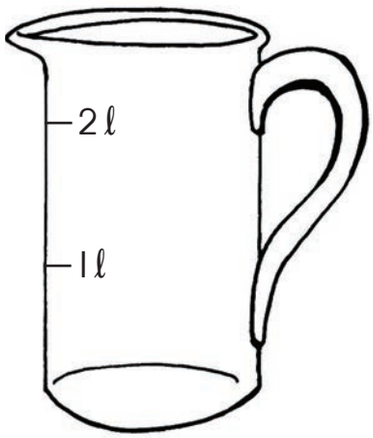


Khaḽarani ni tshi sumbedza
uri hu na zwiluḓi zwingafhani kha zwifaredzi (midzio).

Tsho ḓala	Ndi denga	A tshi na tshithu
		

Olani zwifaredzi zwaṋu inwi muṋe. Olani zwa 3 zwi no nga zwenezwi. Tshifaredzi tshiṅwe na tshiṅwe tsha fara ḽitha dza 4. Zwi sumbedzeni.

Tsho ḓala	Ndi denga	A tshi na tshithu

Ndi tshifaredzi tshifhio tshi no hwala zwinzhi.



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Date:

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68

Khaphasithi hafhu

Deithi:

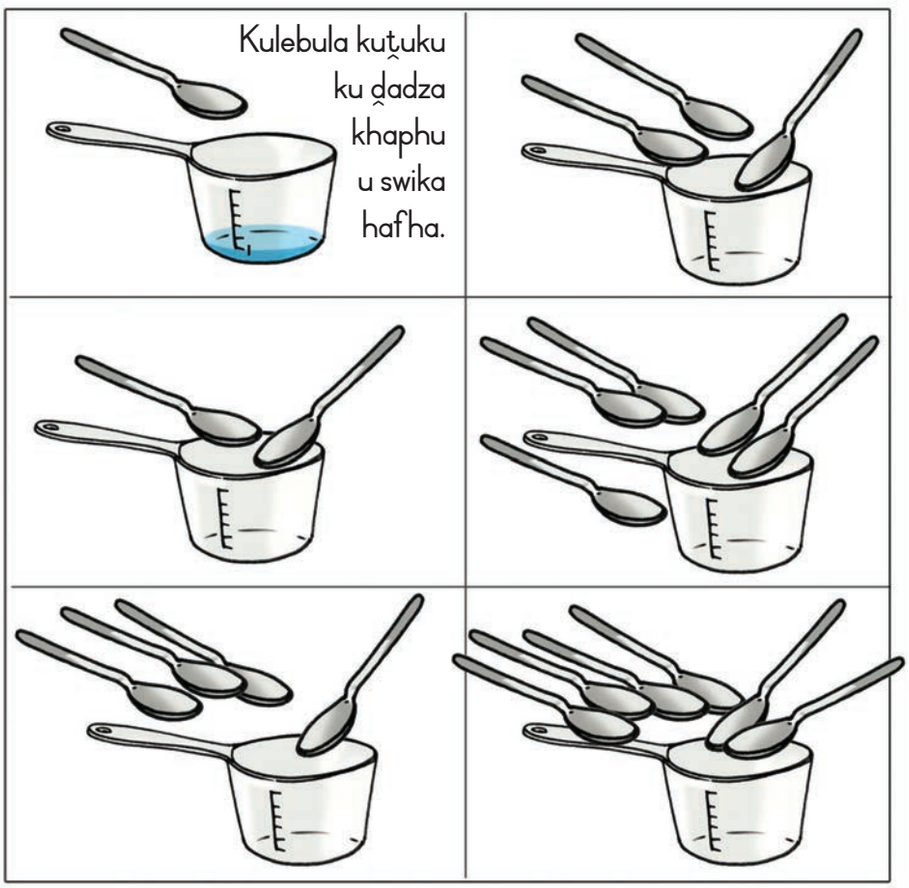
1 Lavhelesani zwifanyiso. Vhana vha khou ita mini.





2 Lebula dzi ḓo ḓadza dzhege u swika ngafhi? Khaḽarani.

Kulebula kuṱuku ku ḓadza khaphu u swika hafha.



1 2 3 4 5 6 7 8 9 10

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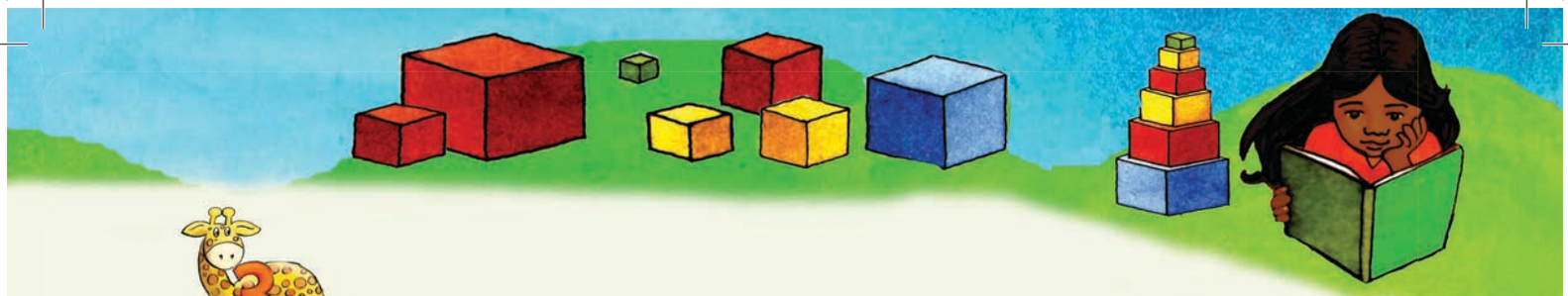
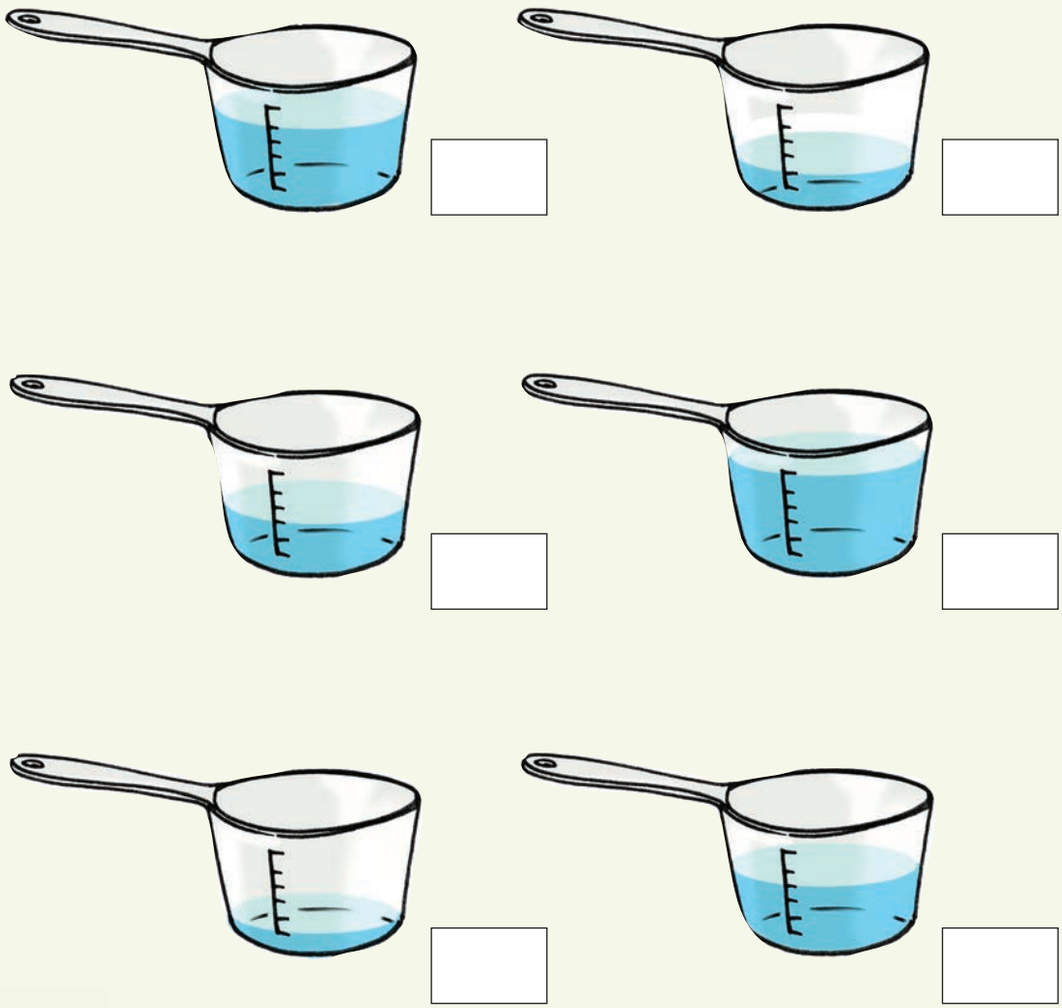


Ndi khaphu nngana dza maḓi dzine na ḓo ṱoḓa uri ni ḓadze khaphu ya u ela.





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

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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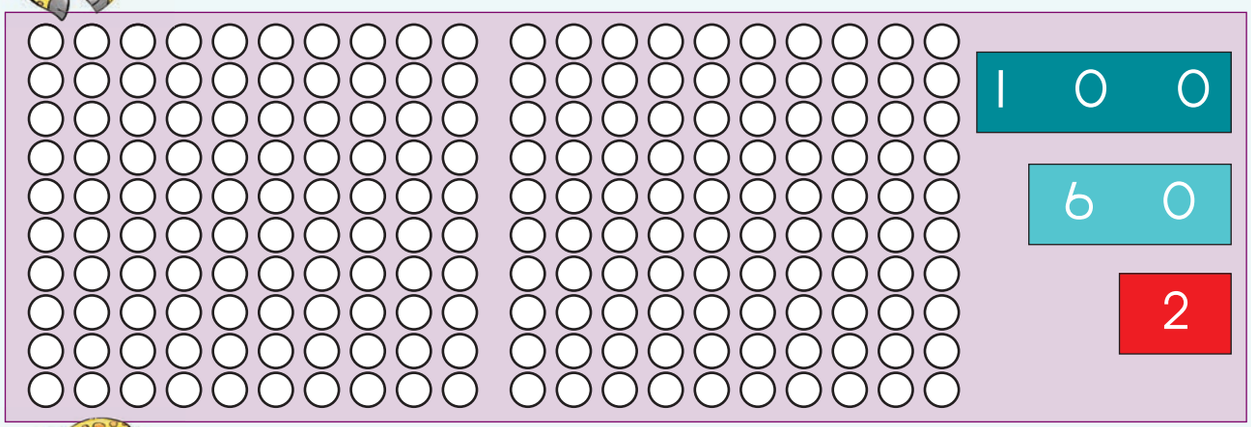
69

Nomboro 150 – 170

Deithi:

1 Khaḽarani zwitendeledzi zwa 162.



2 Ṅwalani nomboro:

100 + 50 + 2 = 152	=	=
=	=	=

3 Ndi nomboro ifhio i no ḓa vhukati ha:

150 na 155 _____

158 na 162 _____

170 na 165 _____

163 na 167 _____

172 na 166 _____

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Ṅwalani nomboro mbili dzine
dza vha ṱhukhu na mbili dzine dza vha khulwane kha ye ya ṉewa.

Ṱhukhu		Nomboro	Khulwane	
		155		
		168		
		151		
		162		
		160		

Fhedzisani mitalombalo iyi.

150 151 152 ☐ ☐ ☐ ☐ 157 158 ☐ ☐

154 155 156 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

160 ☐ 162 ☐ 164 165 ☐ ☐ ☐ ☐ 170

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

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11 12 13 14 15 16 17 18 19 20

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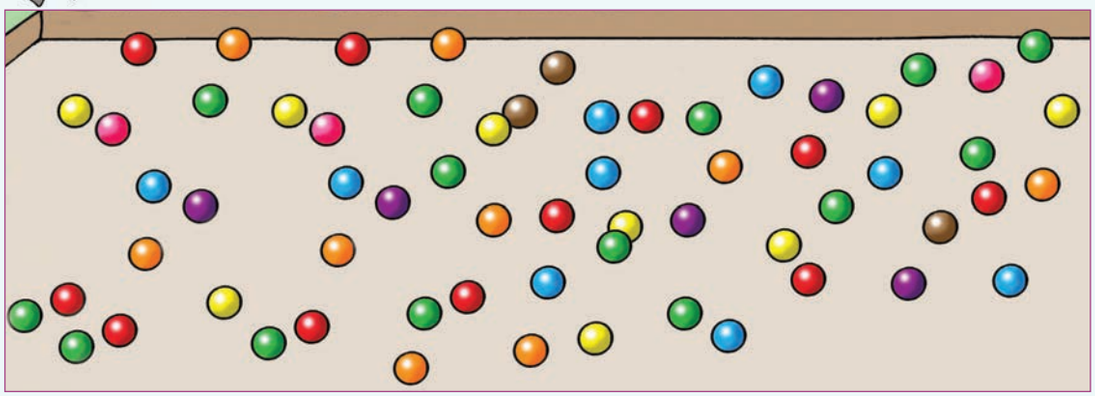
70

U vhala na u anganya (0 – 100)

Deithi:

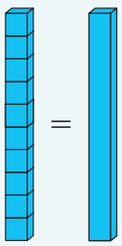
1 Anganyani ni vhale malungu.

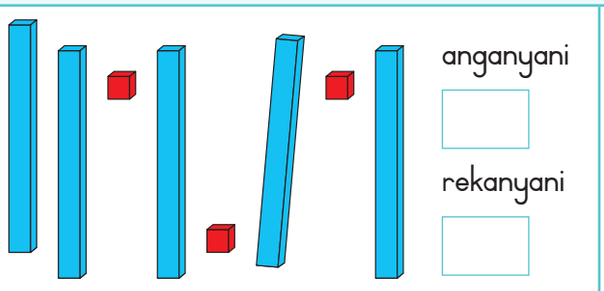


anganyani

rekanyani

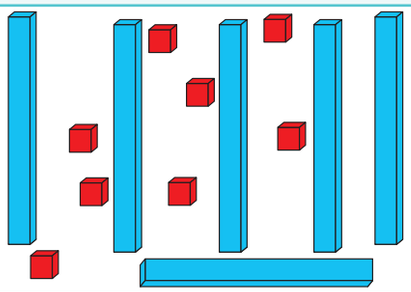
2 Hu na zwibuloko zwa 10 kha tshifaredzi.
Anganyani ni kone u vhala.





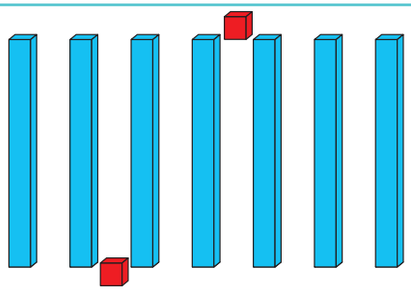
anganyani

rekanyani



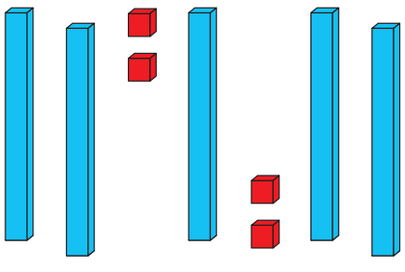
anganyani

rekanyani



anganyani

rekanyani



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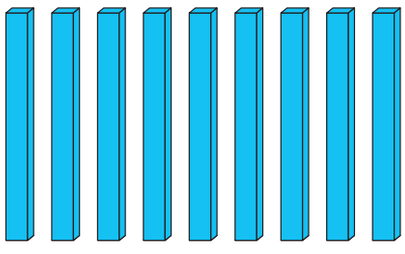
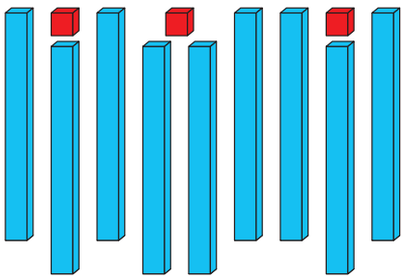


anganyani

rekanyani



anganyani

rekanyani

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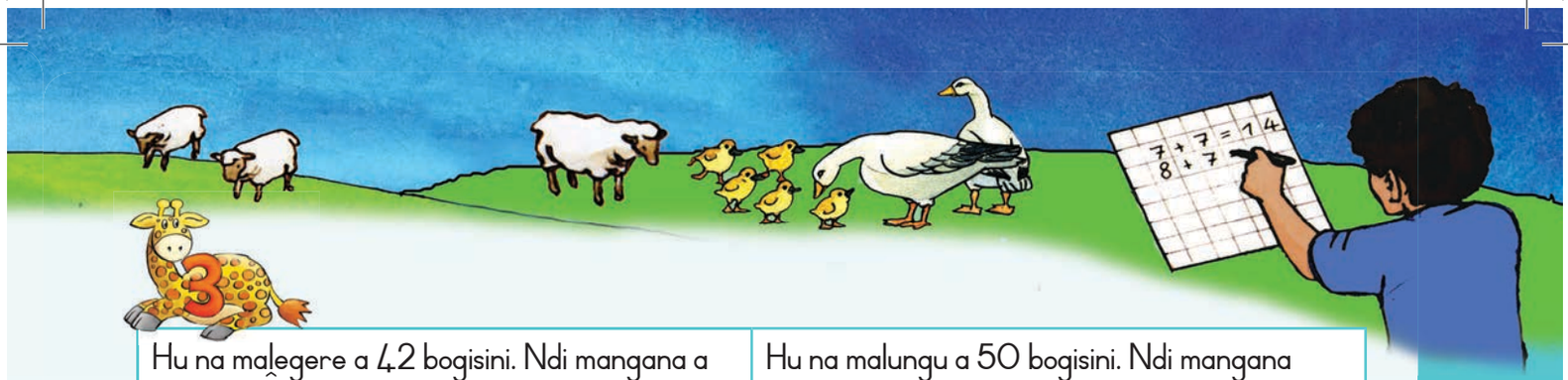
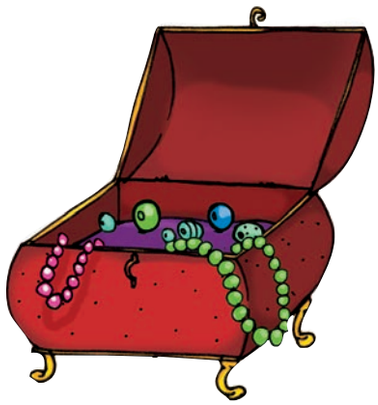


Hu na maḽegere a 42 bogisini. Ndi mangana a sa vhonali?



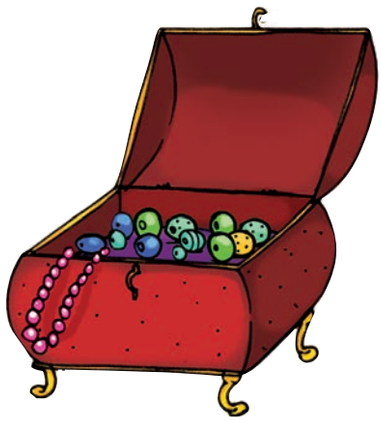
Hu na malungu a 50 bogisini. Ndi mangana a sa vhonali?



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

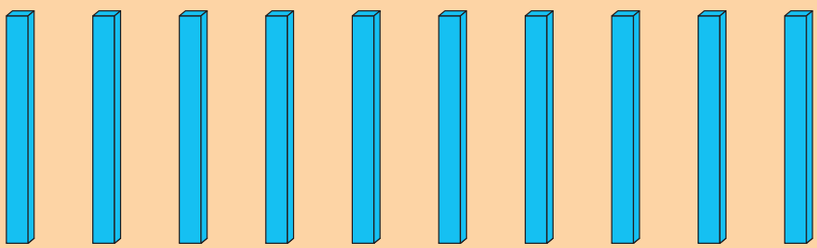


Hu na malungu a 100 bogisini. Ndi mangana a sa vhonali?



Ni nga zwi shuma nga luvhilo lungafhani?

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



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71



Deithi:

Data iṅwe hafhu





Nanguludzani maluvha. Olani nyolo yaṋu ya u zwi sumbedza. Ṅwalani ṱhanganyelo tshibogisini.

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Olani phikhithogirafu ya maluvha o nanguludzwaho.
Ṱhoho i ḓo vha ifhio?

KHII:

				



Fhindulani mbudziso dzi tevhelaho:

Hu na maluvha mangana a phephuḽu?

Hu na maluvha mangana matswuku?

Hu na maluvha mangana madala ?

Hu na maluvha mangana a pinki?

Hu na maluvha mangana a ṱaḓa?

Ndi muvhala ufhio wa maluvha une u sa takaleleswe?

Ndi maluvha a muvhala ufhio une na u funesa?



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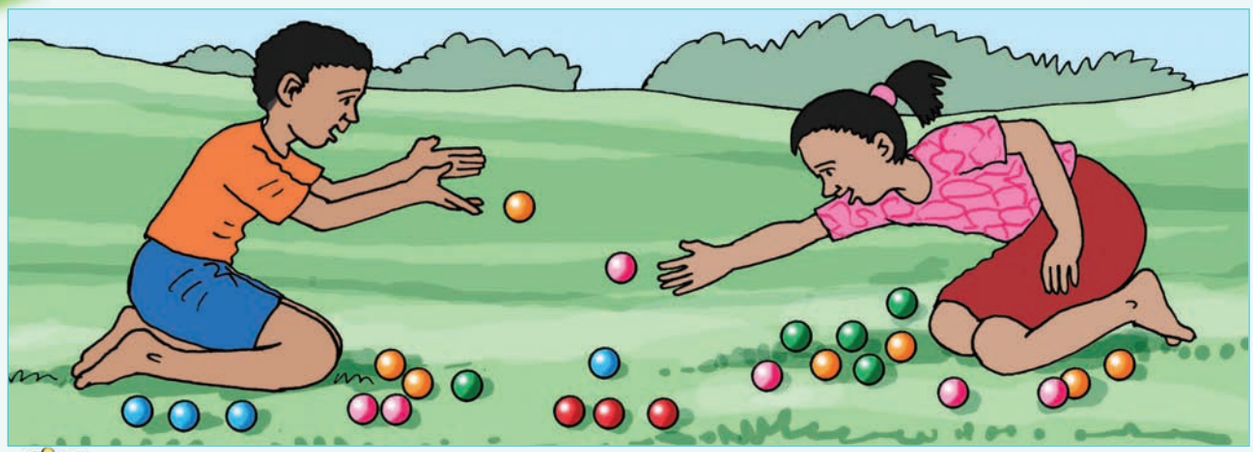
72

Muṱanganyo 0 – 50

Deithi:



1

Lavhelesani tshifanyiso ni ṱanganye mavhuḽu.

mitswuku	+	ya lutombo		+		=		
midala	+	ya lutombo		+		=		
ya pinki	+	ya lutombo		+		=		
midala	+	ya tshitopana		+		=		
mitswuku	+	midala		+		=		

2

Livhanyani magaraṱa na ṱhanganyelo dzone. Talani mutalo u tshi bva kha mbalo u tshi ya kha magaraṱa one.

2	5	3	7
1 0	2 0	3 0	4 0
7 + 40 = 47	10 + 2 = 12	20 + 5 = 25	3 + 30 = 33

1 2 3 4 5 6 7 8 9 10

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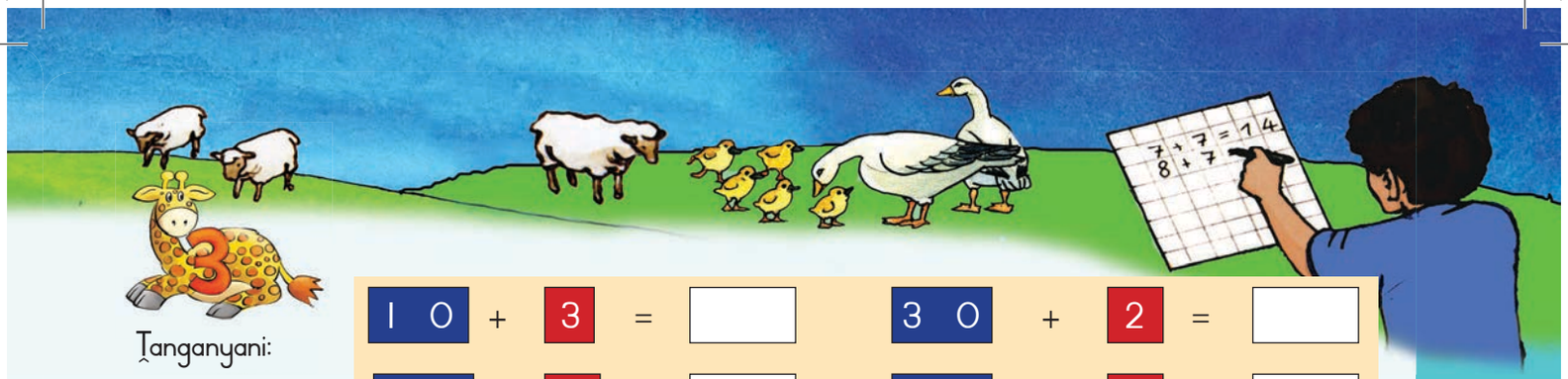


Tanganyani:

10	+	3	=		30	+	2	=	
20	+	5	=		30	+	7	=	
40	+	1	=		20	+	6	=	
10	+	4	=		40	+	8	=	
30	+	9	=						



Tanganyani:

16 + 13

6		3		9				
10	+	10	=	20	16	+	13	=	29

24 + 12

4		2						
20	+	10	=			+		=	

37 + 11

7		1						
30	+	10	=			+		=	

25 + 23

5		3						
20	+	20	=			+		=	

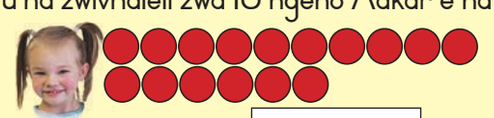
36 + 12

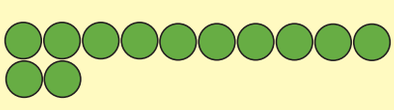
6		2						
30	+	10	=			+		=	

28 + 21

8		1						
20	+	20	=			+		=	

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







Thanganyelo ndi vhugai?

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73

Muṭanganyo 0 – 75

Deithi:

Themo ya 3

Ṭhanganyelo ya tshibuḷoko tshiṅwe na tshiṅwe ndi vhugai?

1 10	6 20	3 20	4 40
5 10	2 10	5 30	4 30

Ṭanganyani.

12 + 11

□ □ + □ □

= □ + □ + □ + □

= □ + □

= □

23 + 41

□ □ + □ □

= □ + □ + □ + □

= □ + □

= □

Fhedzisani:

28	+	11	=	2 8	+	1 0	+	1	=	38	+	1	=	39
34	+	12	=	3 4	+	1 0	+	2	=		+		=	
43	+	23	=	4 3	+	2 0	+	3	=		+		=	
45	+	23	=	4 5	+	2 0	+	3	=		+		=	
56	+	11	=	5 6	+	1 0	+	1	=		+		=	

1 2 3 4 5 6 7 8 9 10

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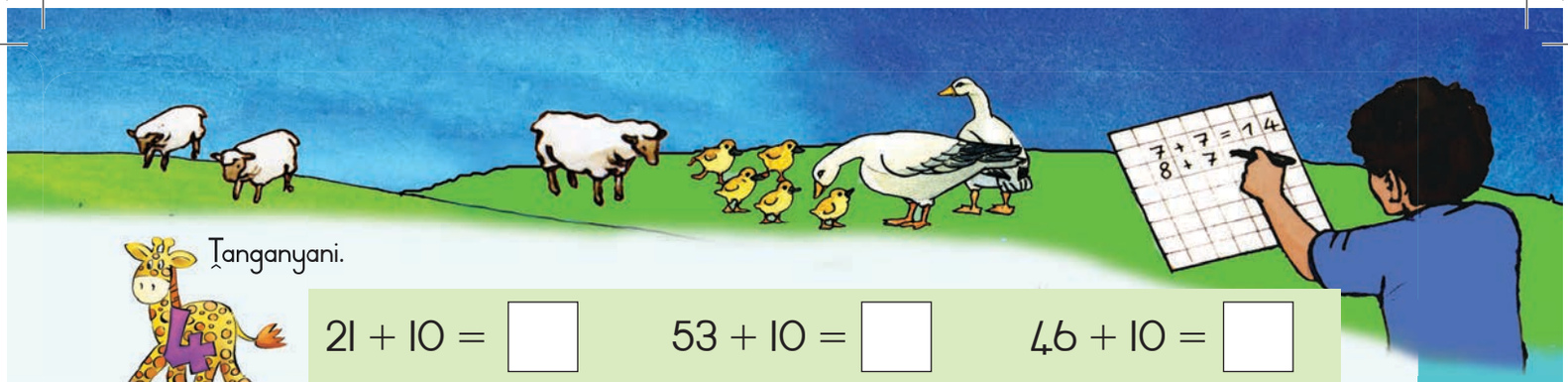

4 Ṱanganyani.

21 + 10 = ☐	53 + 10 = ☐	46 + 10 = ☐
68 + 10 = ☐	37 + 10 = ☐	42 + 10 = ☐
74 + 10 = ☐	19 + 10 = ☐	55 + 10 = ☐

5 Ṱhanganyelo ya 47 na 6 ndi? ☐

Olani tshifanyiso ni tshi sumbedza phindulo yaṋu.

6 Itani mbalomaipfi ya inwi muṋe ni tshi shumisa zwifanyiso.



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74

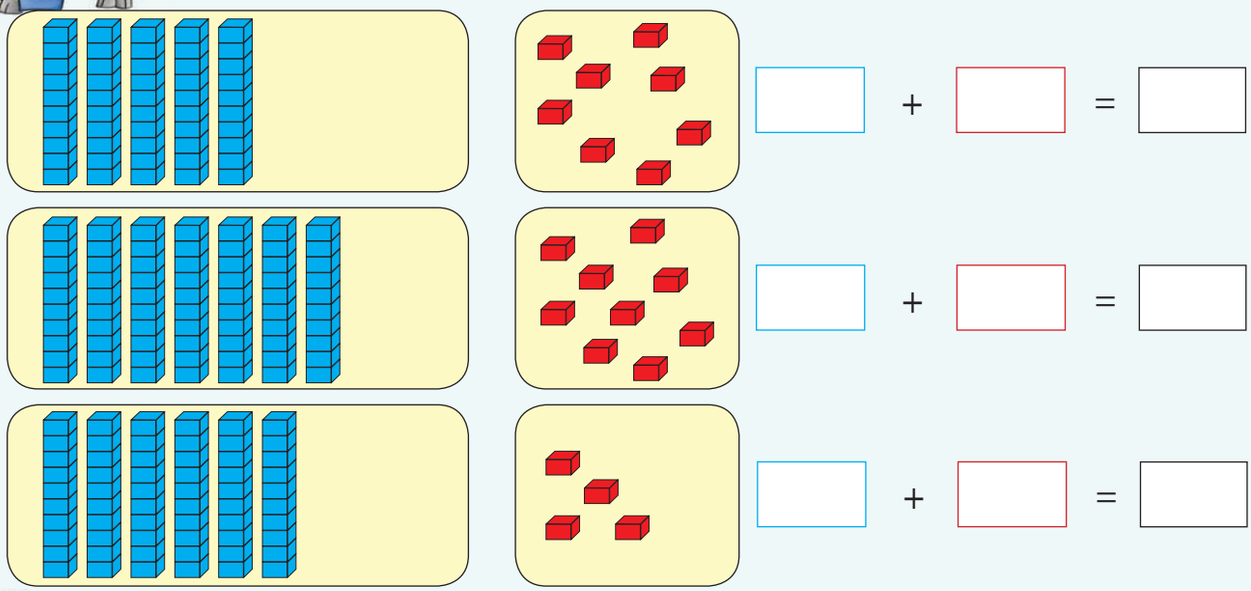
Muṱanganyo na muṱuso: 0 – 75

Deithi:

1 Livhanyani magaraṱa. Talani mutalo u bva kha ṱhanganyelo u tshi ya kha garaṱa lone.

9	5	4	7
6 0	5 0	7 0	4 0
7 + 40 = 47	60 + 9 = 69	50 + 5 = 55	4 + 70 =74

2 Ṅwalani mbalo ya zwi tevhelaho ni dzhenise phindulo.



___ + ___ = ___

___ + ___ = ___

___ + ___ = ___

3 Ṭanganyani.

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

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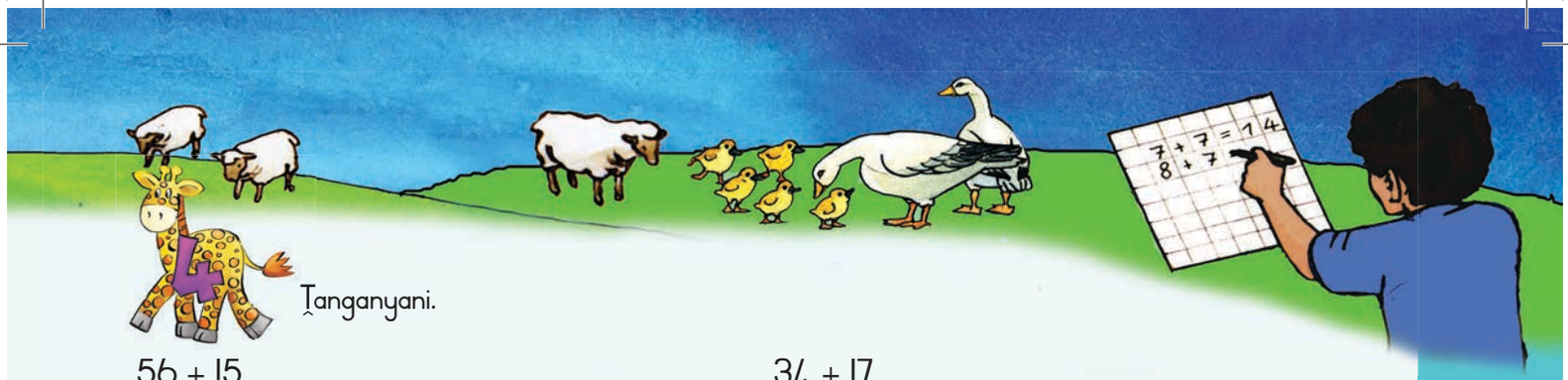

4 Tanganyani.

56 + 15

56	+	15	=	71

34 + 17

	+		=	

48 + 13

	+		=	

63 – 41

	–		=	

75 – 51

	–		=	

72 – 49

	–		=	

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





Thanganyelo ndi vhugai? _____

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75

Bola, mabogisi na siḽinda

Deithi:



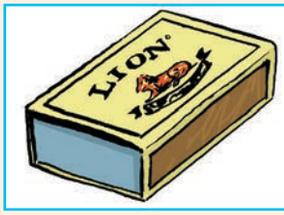
Ni kha ḓi elelwa uri ndi zwivhumbeoḓe?

Maipfi aya a nga ni thusa:

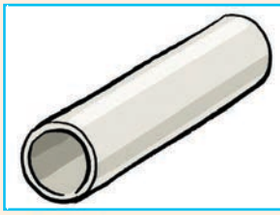
- mabogisi
- bola
- siḽinda

Topolani bola, mabogisi na siḽinda nge na ṅwala ipfi iḽo nga fhasi ha tshiṅwe na tshiṅwe tshazwo.







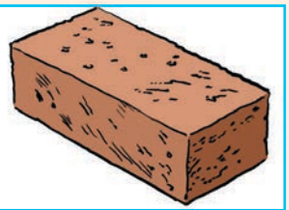


















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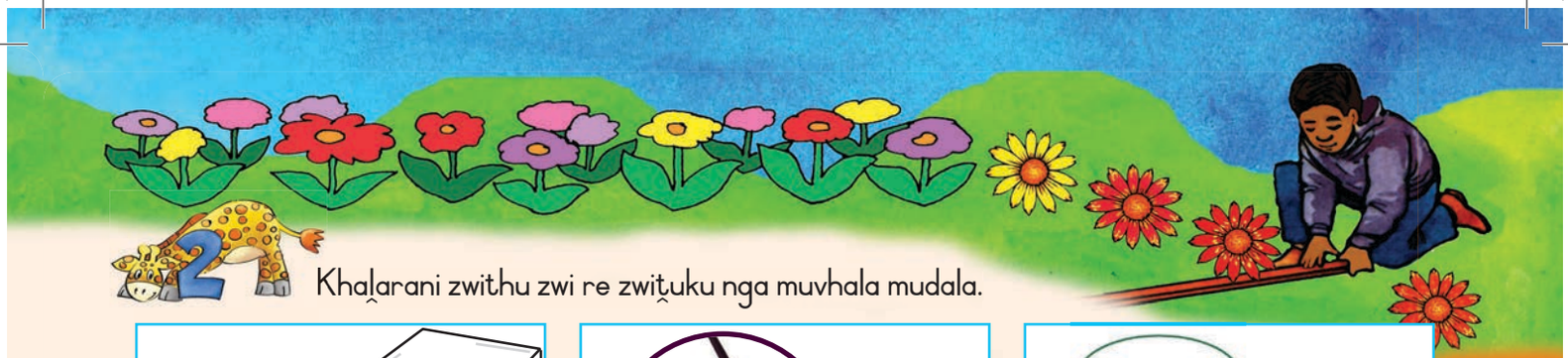
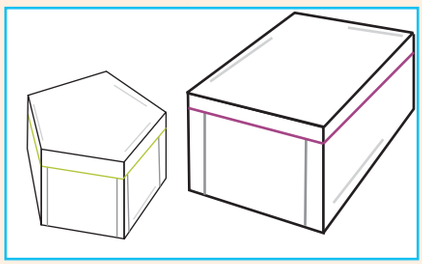
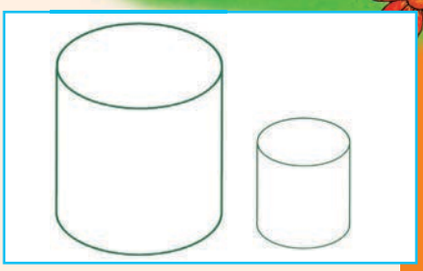


2 Khaḽarani zwithu zwi re zwiṱuku nga muvhala mudala.







mabogisi	bola	siḽinda

3 Olani tshithu tshi re tshihulwane.







4 Ni khou tama u dzhenisa mpho ya mme aṋu ya ḓuvha ḽa mabebo kha tshifaredzi. Ni tea u ṱalutshedza murengisi uri ni khou ṱoḓa tshithuḓe. Ni nga tshi ṱalutshedza hani?



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76

Deithi:

Swendani, kunguluwani ni fhaṱe nga zwithu zwa 3-D

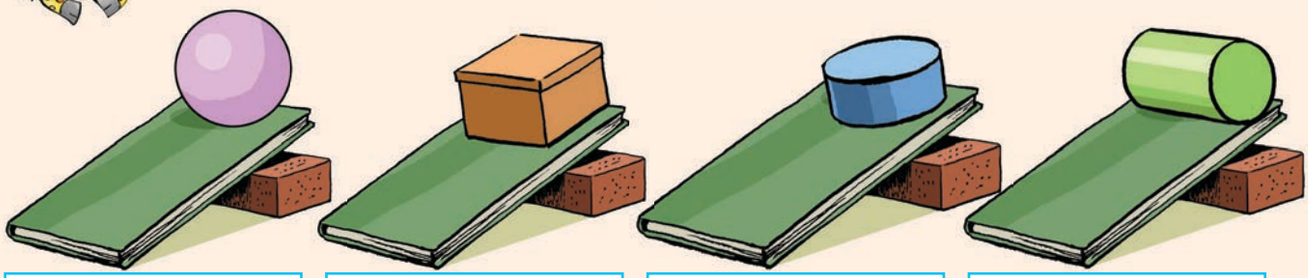


Mudededzi waṋu vha ḓo ita nyito iyi na inwi i ya phuratikhaḽa u itela u vhona uri zwi tevhelaho zwi nga dzula (baḽantsa) naa:

- Bogisi nṱha ha bogisi.
- Bola nṱha ha bogisi.
- Bola nṱha ha bola.
- Mabogisi mavhili o ṱhophana.



Mabogisi, bola na siḽinda zwi nga kunguluwa kana zwa swenda. Mudededzi waṋu vha ḓo ni ṋea zwithu zwi tevhelaho uri ni vhone arali zwi tshi kunguluwa kana u swenda. Nga murahu ha u ita nyito iyi lwa phurathikhaḽa, ambani uri izwi zwithu zwi ḓo kunguluwa kana u swenda naa.





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

kunguluwa	swenda

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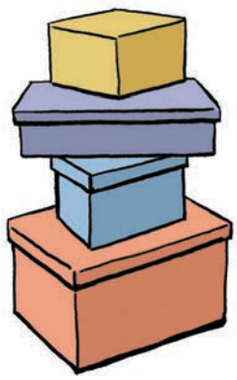
Mudededzi waṋu vho ni fha zwibuloko zwine na nga fhaṱa ngazwo thawara dzo fhambananaho. Inwi na khonani yaṋu no humbula u fhaṱa thawara nga mabogisi, bola na siḽinda. Hetshi tshithu ndi tshone tshe na fhaṱa kana na edzisa u fhaṱa. Ambani uri zwo konadzea naa kana hai.

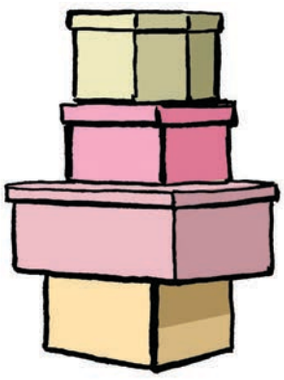






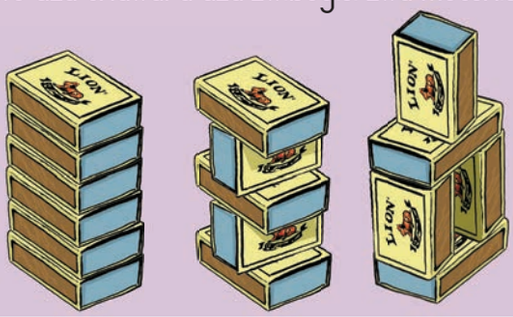
Hezwi zwi ḓo konadzea







Dziṅwe dza thawara dza zwibogisi zwa metshisi khedzi.



Ni tea u vha na:
Zwibogisi zwa metshisi

Zwine na tea u ita:
Zwino lingedzani u fhaṱa thawara ya zwibogisi zwa metshisi i ye nṱha nga hune na nga kona ni sa shumisi guḽuu.

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77

Muṱanganyo na muṱuso hafhu 0 – 75

Deithi:

1 Ṱanganyani nomboro dzi re tshibuḽokoni tshiṅwe na tshiṅwe ni ṅwale phindulo.

50	50	40
2	7	4
20	10	10
3	2	3

30	
8	
20	
1	

2 Ṱanganyani.

52 + 21

43 + 28

3 Fhedzisani.

28	+	31	=	28	+	30	+	1	=	58	+	1	=	59
45	+	32	=	45	+	30	+	2	=		+		=	
52	+	14	+	52	+	10	+	4	=		+		=	

4 Ṱanganyisani.

41 + 10 = ☐ 44 + 10 = ☐ 71 + 10 = ☐

5 Ṱhanganyelo ya 36 na 24 ndi_____.
Olani tshifanyiso ni tshi sumbedza phindulo yaṋu.

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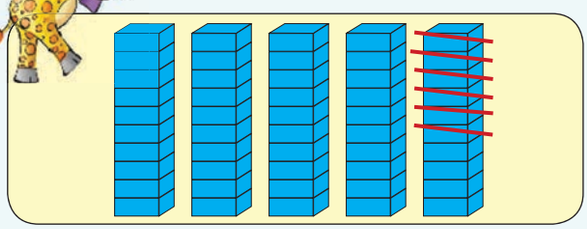
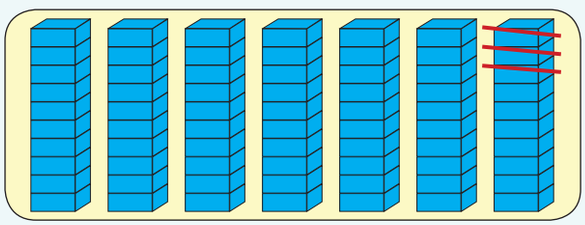
Ṱusani nomboro dzi re kha tshibogisi tsha fhasi fhasi (tshirahoni) kha nomboro dzi re kha tshibogisi tshi re nṱhanṱha (ṱhodzini).

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

Ṅwalani mbalo ya zwi tevhelaho.





___ – ___ = ___ ___ – ___ = ___

Ṱusani:

65 – 23

72 – 29

Bvisani

61 – 10 = ☐ 42 – 10 = ☐ 37 – 10 = ☐

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



Ho sala mimavhuḽu mingana? ____

Teacher:
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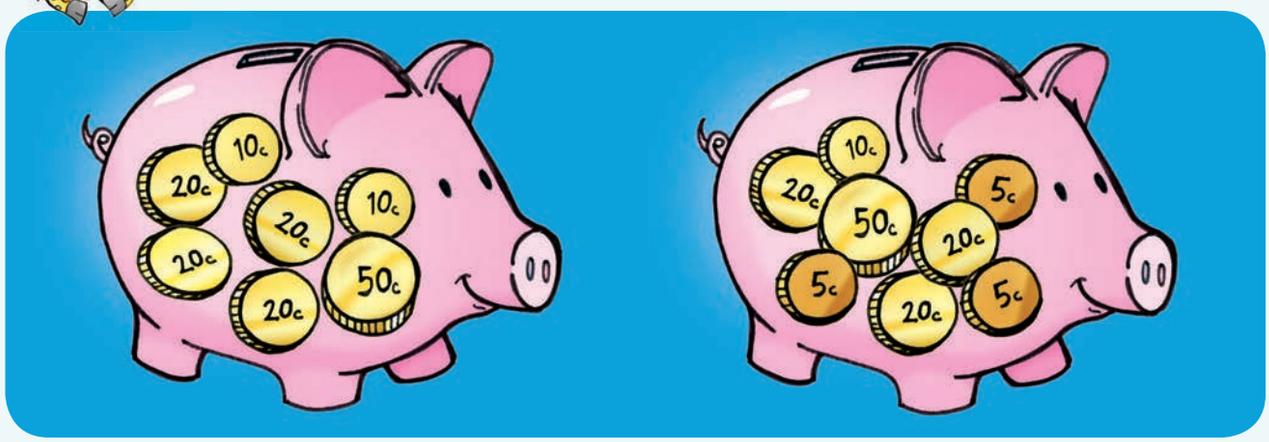
78

Tshelede hafhu

Deithi:

Ndo vhulunga vhugai?



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

100c	110c
120c	140c
155c	175c

1 2 3 4 5 6 7 8 9 10

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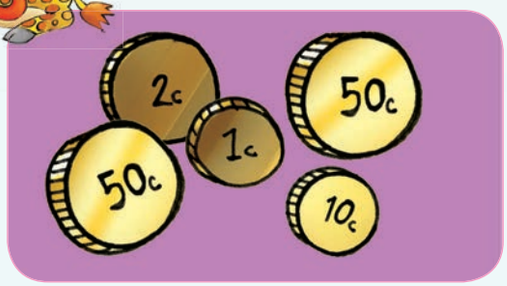
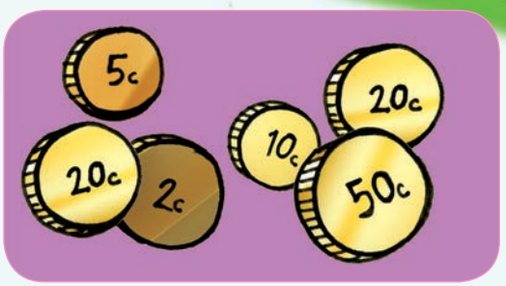
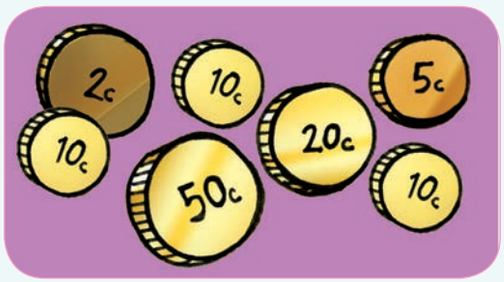
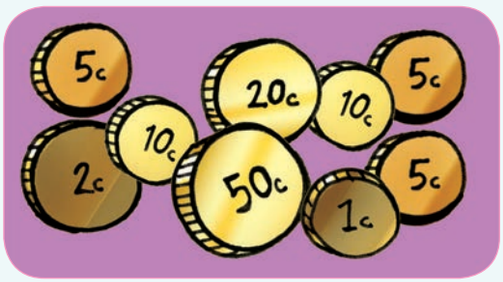
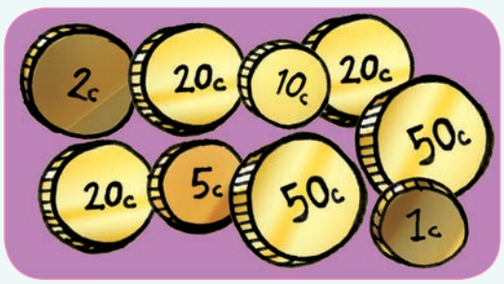
Ndi masenthe mangana?

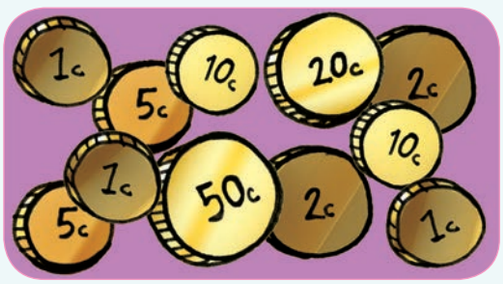












Mbalo dza maipfi:

Suzy u na 100c. Khotsi anga vha mu engedza nga 50c. U na vhugai yo ṱangana yoṱhe? Olani tshifanyiso tshi no sumbedza phindulo yaṋu.

Ndi na 170c. Ndo renga ḽegere ḽa 100c. Ndo salelwa nga vhugai? Olani tshifanyiso tshi no sumbedza phindulo yaṋu.

Teacher:
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Date:

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Deithi:

Tshelede ya dzinoutu hafhu

1 Ndi na vhugai pheseni?



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

	
	
	



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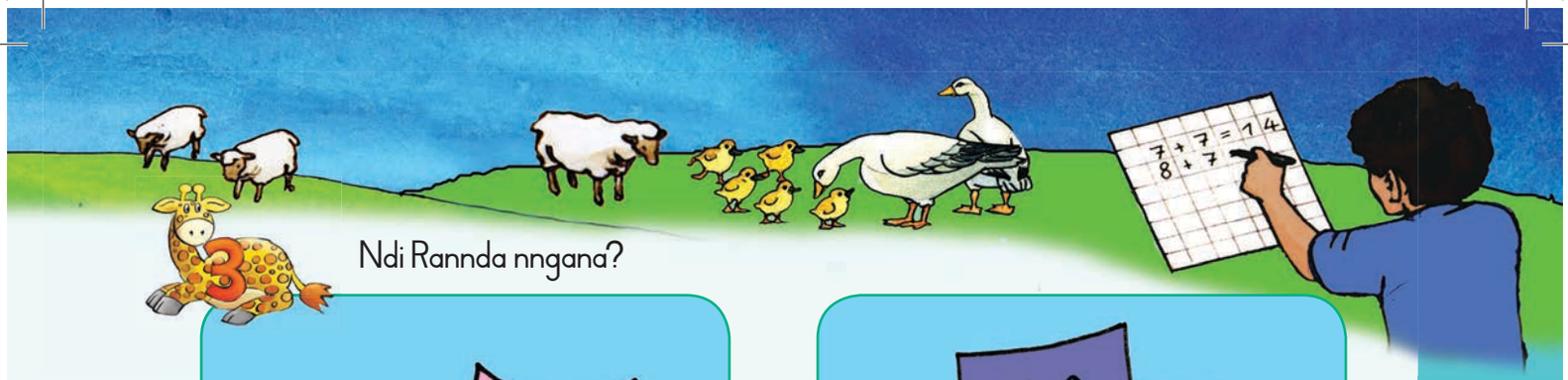
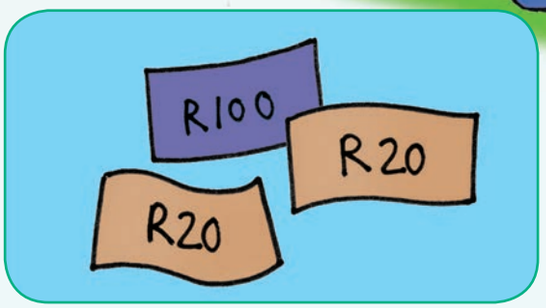
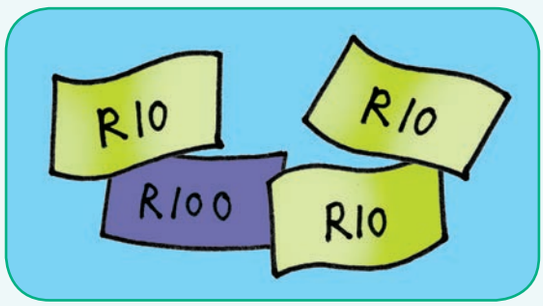
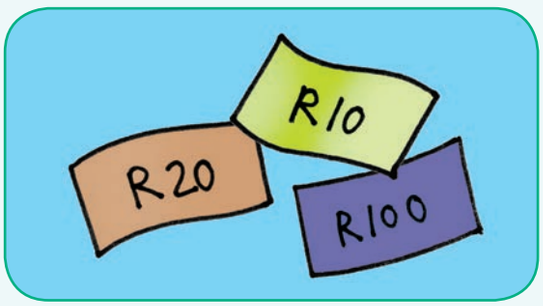


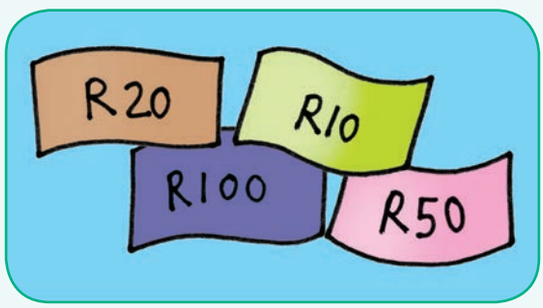
Ndi Rannda nngana?













Mbalo dza maipfi:

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

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

_____

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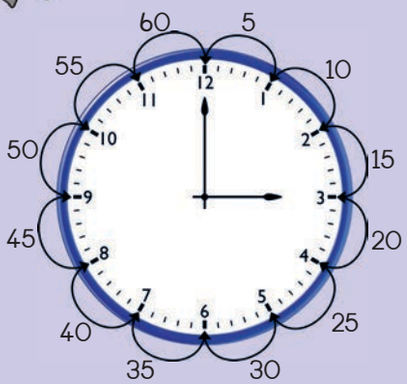
Phetheni dza zwifhinga

Ambani nga watshi.



Watshi i na maṋanga mavhili.

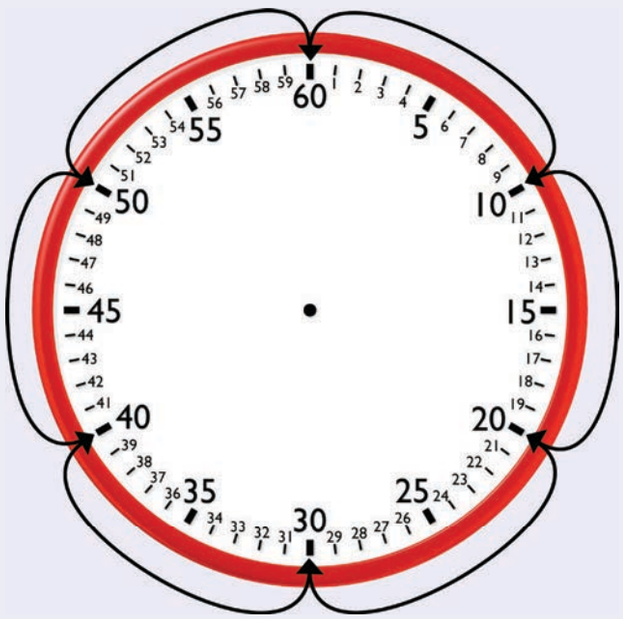
Luṋanga lupfufhi lu ri sumbedza awara.

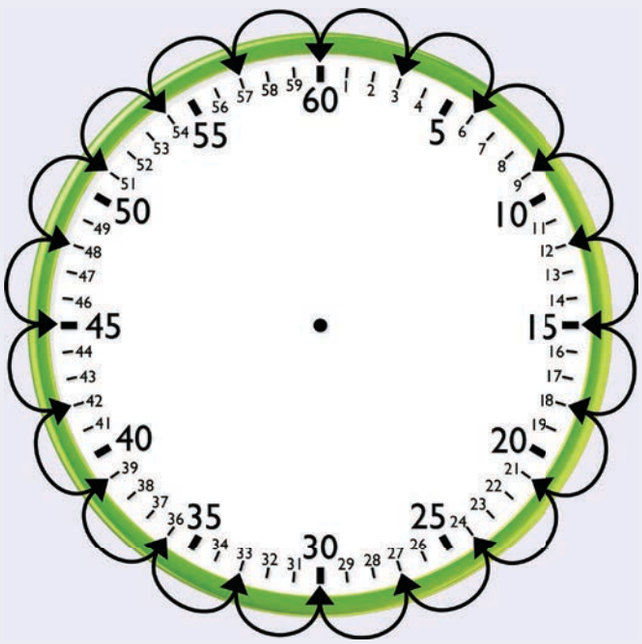
Luṋanga lulapfu lu ri sumbedza miminete.

Afha ri ri ndi awara ya 3 (ya vhuraru)



Phetheni ndi ifhio? Lavhelesani misevhe tshifhinga tshoṱhe ni ṅwale phetheni ya hone.





10 ___, ___, ___, ___, ___,

3, ___, ___, ___, ___, ___, ___, ___,
___, ___, ___, ___, ___, ___, ___, ___,
___, ___, ___, ___,



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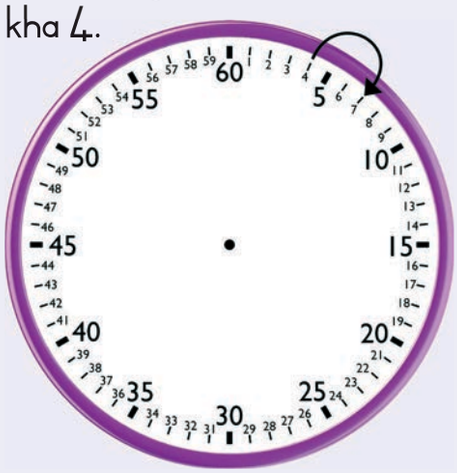
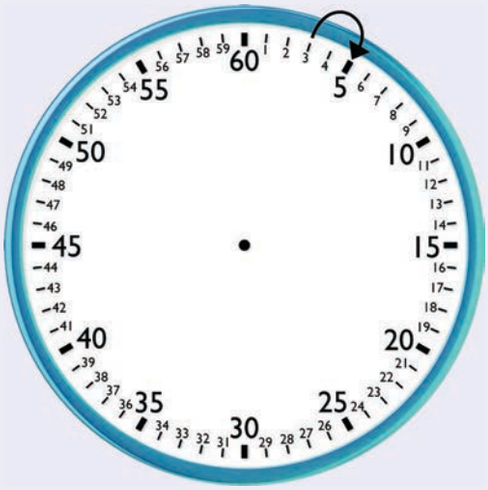
Sumbedzani phetheni ni tshi shumisa misevhe.

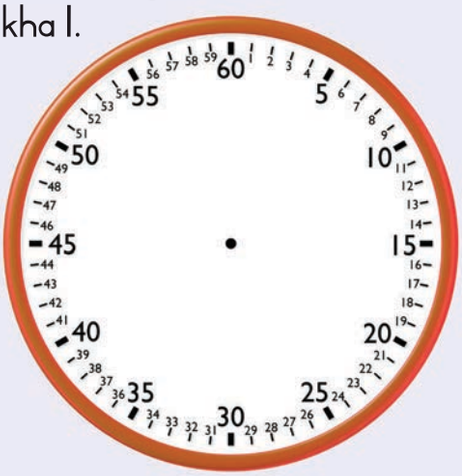
Vhalani nga tharutharu ni tshi thoma kha 4.



Vhalani nga mbilimbili ni tshi thoma kha 3.



Vhalani nga mahumi ni tshi thoma kha 1.



Vhalani nga ṱhanuṱhanu ni tshi thoma kha 2.



Ni ya tshikoloni nga tshifhingaḓe?



Ni ya hayani nga tshifhingaḓe?



Ni ḽa tshilalelo nga tshifhingaḓe?



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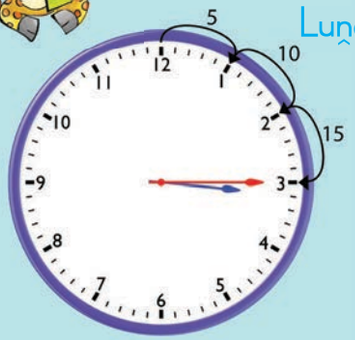
8la

Awara na miminete

Deithi:

1 Ambani nga watshi.



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

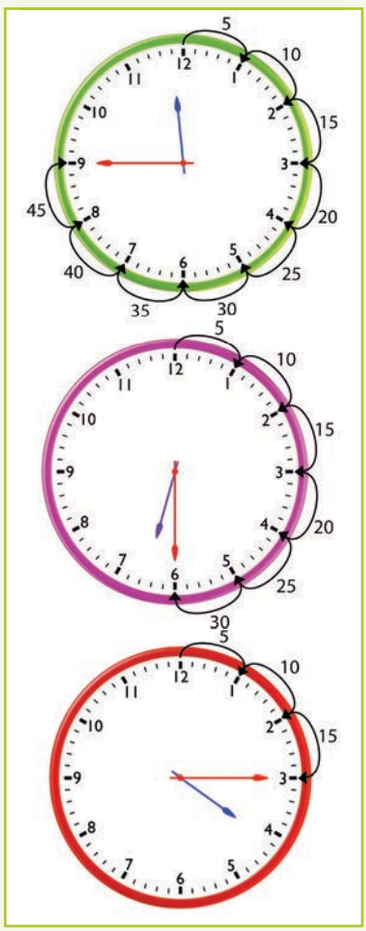
Lunanga lulapfu lu ri sumbedza uri ho fhela miminete ya 15.

Ri ri ndi kotara u bva kha awara ya vhuraru.

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

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

2 Ndi tshifhingaḓe?



Lunanga lupfufhi lu ri sumbedza _____ .

Lunanga lulapfu lu ri sumbedza uri ndi _____ .

Ri ri ndi _____ .

Lunanga lupfufhi lu ri sumbedza _____ .

Lunanga lulapfu lu ri sumbedza uri ndi _____ .

Ri ri ndi _____ .

Lunanga lupfufhi lu ri sumbedza _____ .

Lunanga lulapfu lu ri sumbedza uri ndi _____ .

Ri ri ndi _____ .

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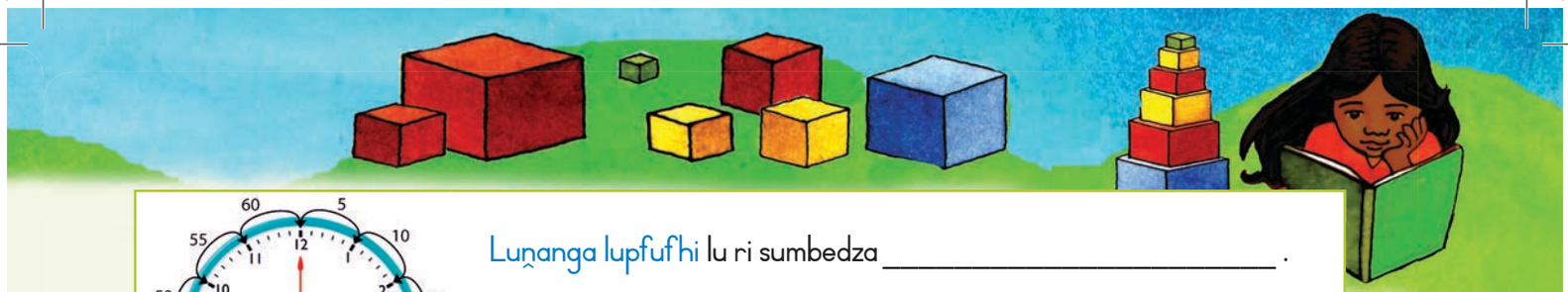
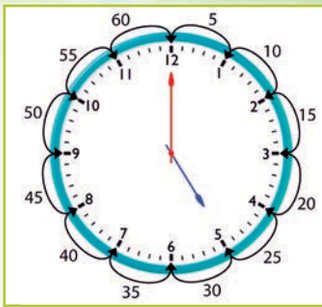




Luṋanga lupfufhi lu ri sumbedza _____ .

Luṋanga lulapfu lu ri sumbedza uri ndi _____ .

Ri ri ndi _____ .

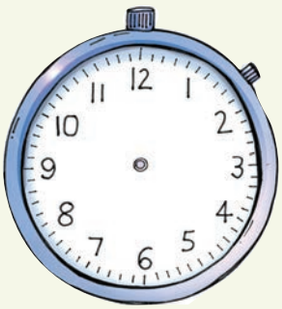


Olani luṋanga lulapfu na luṋanga lupfufhi.

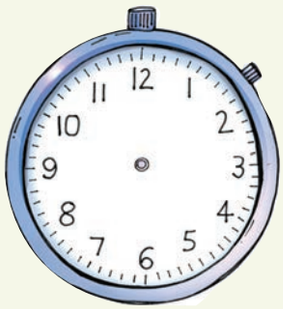
Kotara u bva kha awara ya vhuvhili.



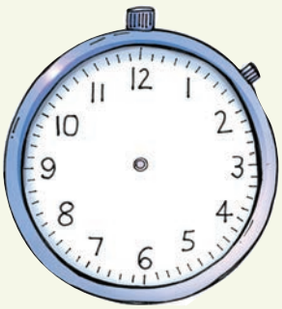
Hafu u bva kha awara ya vhuṱahe.



Awara ya vhufumi.



Kotara u ya kha awara ya vhurathi.





Ni ita mini nga itshi tshifhinga vhukati ha vhege? Olani tshifanyiso.

Kotara u bva kha awara ya vhumalo nga matsheloni.

Kotara u bva kha awara ya vhumalo nga madekwana.

Teacher:

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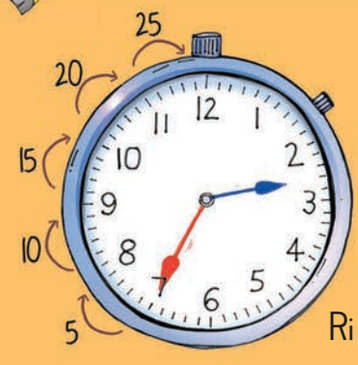
8lb

Miminete na awara

Deithi:

1 Ambani nga watshi.



Lunanga lupfufhi lu tsini na 3.

Lunanga lulapfu lwo ima kha miminete ya 35.

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

Ri ri ndi minete ya fumbiliṱanu u ya kha awara ya vhuraru.

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

2 Ndi tshifhinga̓de?



Lunanga lupfufhi lwo ima kha _____.

Lunanga lulapfu lwo ima kha _____.

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

Ri ri ndi _____ u ya kha _____.



Lunanga lupfufhi lwo ima kha _____.

Lunanga lulapfu lwo ima kha _____.

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

Ri ri ndi _____ u ya kha _____.



Lunanga lupfufhi lwo ima kha _____.

Lunanga lulapfu lwo ima kha _____.

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

Ri ri ndi _____ u ya kha _____.

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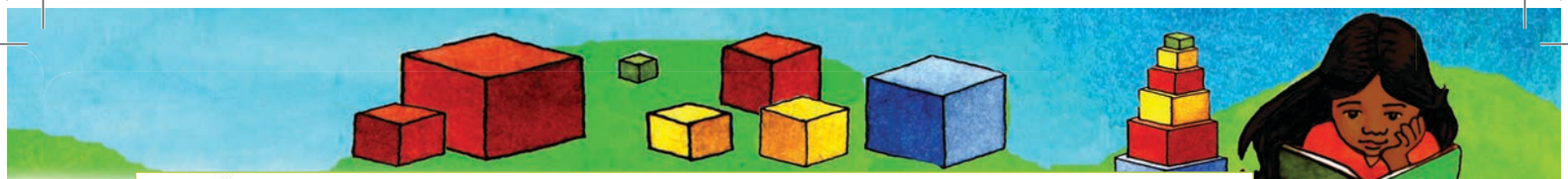




Luṉanga lupfufhi lwo ima kha _____.

Luṉanga lulapfu lwo ima kha _____.

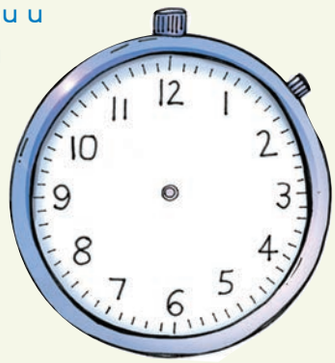
Ndi _____ u rangela luṉanga lulapfu lu tshi ima kha 12.

Ri ri ndi _____ u ya kha _____.



Olani luṉanga lulapfu na luṉanga lupfufhi.

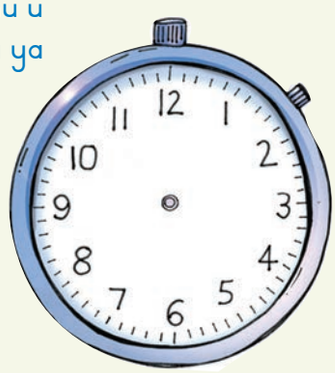
Minete miṱanu u ya kha awara ya vhumalo.



Minete ya fumbili u ya kha awara ya vhuraru.



Minete miṱanu u ya kha awara ya u thoma.



Minete ya fumi u ya kha awara ya rathi.



Fumiraru u swika kha sumbe.



Fumimbili u swika kha fumimbili.





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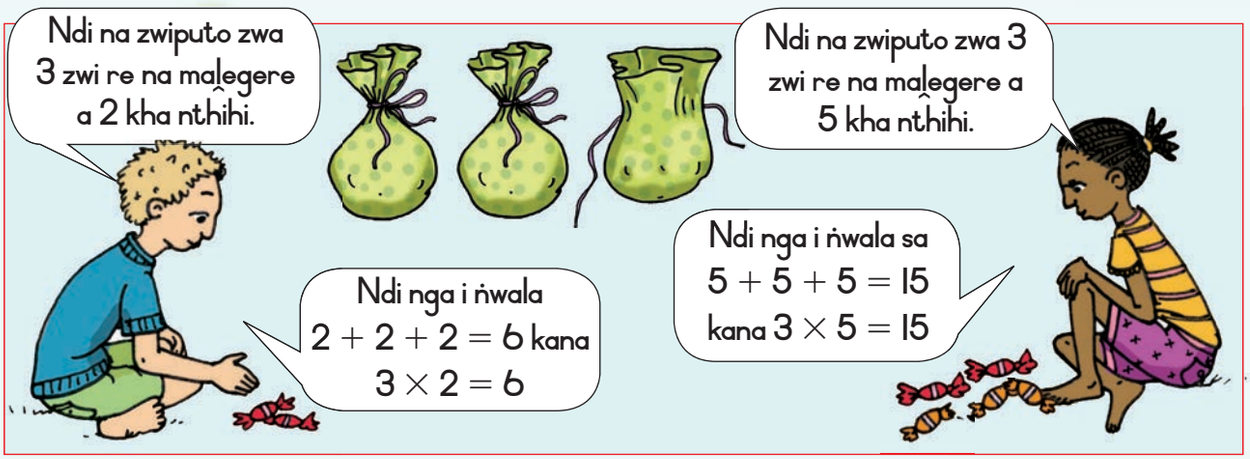
Muṱanganyomudovhololwa (ndovhololo ya muṱanganyo)

Deithi:

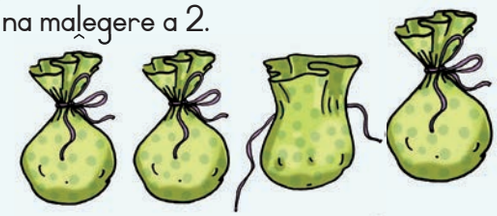




Lavhelesani zwiputo zwa 3 zwi re na maḽegere:

- Ṅwalani mbalo ya u ṱanganya ya tshiṅwe na tshiṅwe.
- Ṅwalani mbalo ya muṱanganyo ya ḽiṅwe na ḽiṅwe.
- Ṅwalani mbalo ya muandiso ya ḽiṅwe na ḽiṅwe.

Tshiputo tshiṅwe na tshiṅwe tsho vhofhiwaho tshi na maḽegere a 2.



Fhungo: zwigwada zwivhili zwa 2
Mbalo ya muṱanganyo: 2 + 2 + 2 + 2 = __
Mbalo ya muandiso: 4 × 2 = __

Tshiputo tshiṅwe na tshiṅwe tsho vhofhiwaho tshi na maḽegere a 2.



Fhungo: _____
Mbalo ya muṱanganyo: _____
Mbalo ya muandiso: _____

Tshiputo tshiṅwe na tshiṅwe tsho vhofhiwaho tshi na maḽegere a 5.



Fhungo: _____
Mbalo ya muṱanganyo: _____
Mbalo ya muandiso: _____

Tshiputo tshiṅwe na tshiṅwe tsho vhofhiwaho tshi na maḽegere a 2.



Fhungo: _____
Mbalo ya muṱanganyo: _____
Mbalo ya muandiso: _____

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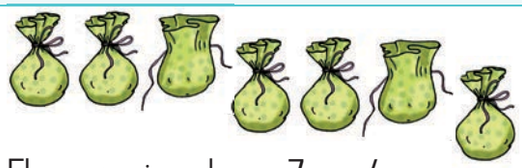
Kha ri lingedze ri
tshi shumisa zwiputo zwi re na maḽegere a 4 kha tshiṅwe na tshiṅwe.
Tshiputo tshiṅwe na tshiṅwe tshi na maḽegere a 4. Hu na maḽegere mangana?



Fhungo: zwigwada zwa 7 zwa 4
Mbalo ya muṱanganyo:
$4 + 4 + 4 + 4 + 4 + 4 + 4 = 28$
Mbalo ya muandiso: $7 \times 4 = 28$



Fhungo: _____
Mbalo ya muṱanganyo: _____
Mbalo ya muandiso: _____



Fhungo: _____
Mbalo ya muṱanganyo: _____
Mbalo ya muandiso: _____



Fhungo: _____
Mbalo ya muṱanganyo: _____
Mbalo ya muandiso: _____

Fhedzisani thebuḽu ya muandiso.

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

Ndi na mabogisi maṱanu a re na mafini mbili kha ḽiṅwe na ḽiṅwe. Hu na mafini nngana dzo ṱangana dzoṱhe?



Ndi na mabogisi maṋa a re na khekhe dza khaphu ṱhanu kha ḽiṅwe na ḽiṅwe. Hu na khekhe dza khaphu nngana dzo ṱangana dzoṱhe?



Ndi na mabogisi mararu a re na dounati nṋa kha ḽiṅwe na ḽiṅwe. Hu na dounati nngana dzo ṱangana dzoṱhe?



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Andisani nga 5

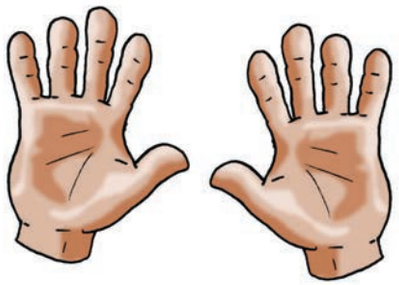
Deithi:

Mulenzhe muthihi u na zwikunwe zwa 5.



Tshivhalogu̓e tsha zwikunwe ndi tshifhio? ☐

Tshanḓa tshithihi tshi na minwe ya 5.



Tshivhalogu̓e tsha minwe ndi tshifhio? ☐



Fhedzisani zwi tevhelaho:



☐ × ☐ = ☐

Zwikunwe kha mulenzhe muthihi | Milenzhe



☐ × ☐ = ☐

Minwe kha tshanḓa tshithihi | Zwanḓa



☐ × ☐ = ☐

Zwikunwe kha mulenzhe muthihi | Milenzhe



☐ × ☐ = ☐

Minwe kha tshanḓa tshithihi | Zwanḓa



☐ × ☐ = ☐

Zwikunwe kha mulenzhe muthihi | Milenzhe



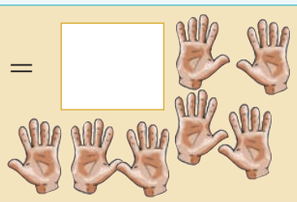
☐ × ☐ = ☐

Minwe kha tshanḓa tshithihi | Zwanḓa



☐ × ☐ = ☐

Zwikunwe kha mulenzhe muthihi | Milenzhe



☐ × ☐ = ☐

Minwe kha tshanḓa tshithihi | Zwanḓa

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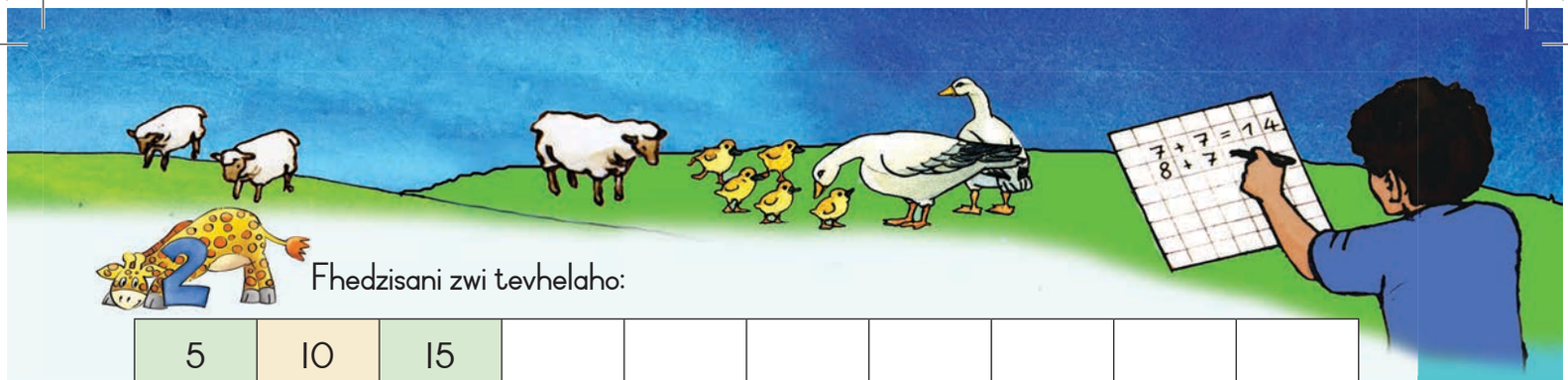

2 Fhedzisani zwi tevhelaho:

5	10	15							
50	45	40							

3 Fhedzisani zwi tevhelaho:

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

4 Fhedzisani zwi tevhelaho:

15 × 5 = ☐ 10 5 × 5 = 10 + 5 × 5 = 10 × 5 + 5 × 5 = 50 + 25 = 75	12 × 5 = ☐ 10 2 × 5 = ☐ + ☐ × ☐ = ☐ × ☐ + ☐ × ☐ = ☐ + ☐ = ☐
14 × 5 = ☐ 10 4 × 5 = ☐ + ☐ × ☐ = ☐ × ☐ + ☐ × ☐ = ☐ + ☐ = ☐	13 × 5 = ☐ 10 3 × 5 = ☐ + ☐ × ☐ = ☐ × ☐ + ☐ × ☐ = ☐ + ☐ = ☐

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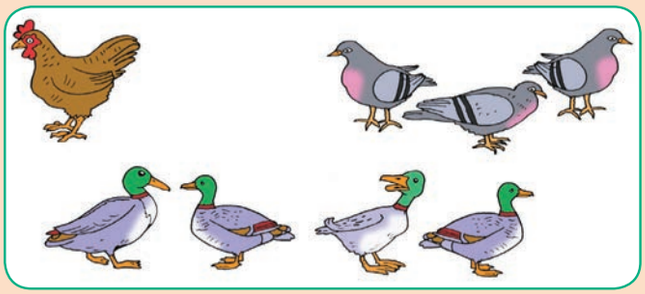
84

Muandiso 2

Deithi:

Zwiṋoni zwoṱhe zwi na milenzhe ya 2.



Zwiṋoni zwoṱhe zwi na phapha dza 2.

Ṱhanganyelo ya milenzhe tshifanyisoni itshi ndi tshifhio? ☐

Ṱhanganyelo ya phapha tshifanyisoni itshi ndi tshifhio? ☐

1 Lavhelesani tshifanyiso ni fhedzise zwi tevhelaho.

maivha



☐ × ☐ = ☐

Tshivhalo tsha maivha | Milenzhe nga tshiṋoni

☐ × ☐ = ☐

Tshivhalo tsha maivha | Milenzhe nga tshiṋoni

masekhwa



☐ × ☐ = ☐

Tshivhalo tsha masekwa | Milenzhe nga tshiṋoni

☐ × ☐ = ☐

Tshivhalo tsha masekwa | Milenzhe nga tshiṋoni

2 Fhedzisani zwi tevhelaho:

2	4	6							
20	18	16							

3 Fhedzisani zwi tevhelaho:

5 ×  = maapula a ☐

4 ×  = miomva ya ☐

6 ×  = miomva ya ☐

7 ×  = maapula a ☐

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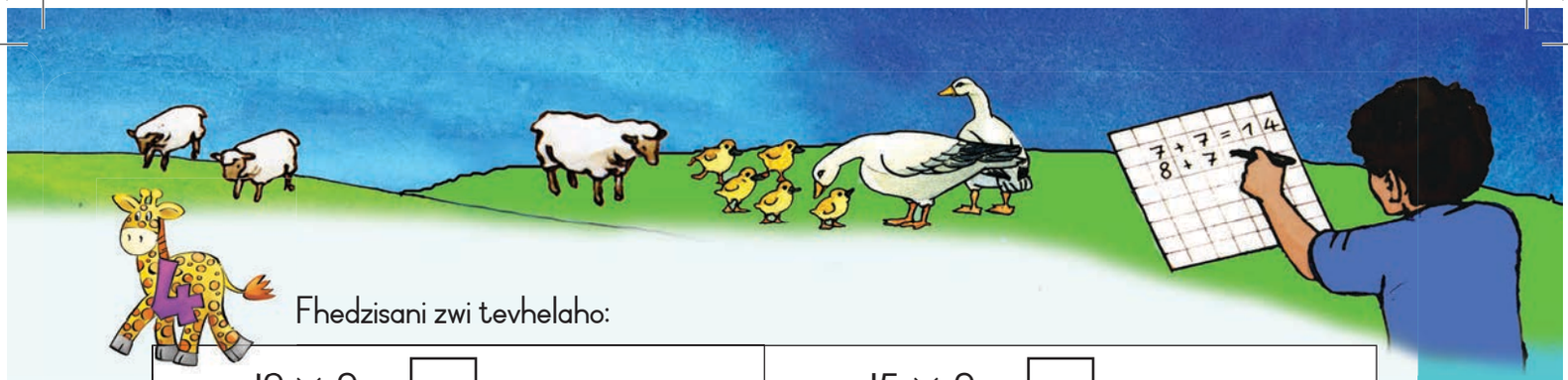


Fhedzisani zwi tevhelaho:

$12 \times 2 = \square$

$10 + 2 \times 2$

$= (10 + 2) \times 2$

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

$= 20 + 4$

$= 24$

$15 \times 2 = \square$

$10 + 5 \times 2$

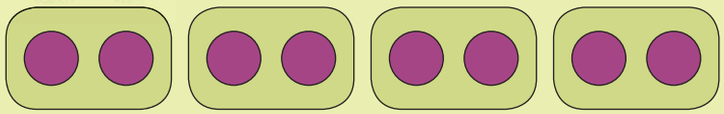
$= \square + \square \times \square$

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

$= \square + \square$

$= \square$





$2 + 2 + 2 + 2 = 8$

kana

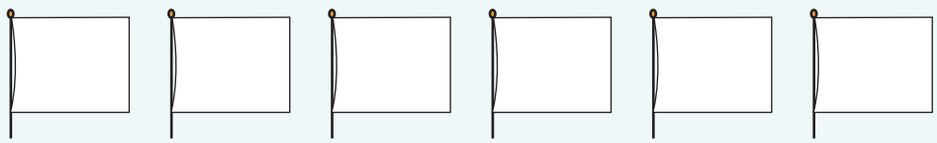
$4 \times 2 = 8$

kana

$8 \div 2 = 4$

Hetshi ndi tshiga tsha mukovho

Olani ṋaledzi dza 2 kha fuṱaga iṅwe na iṅwe.



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

$\_\_\_ \times \_\_\_ = \_\_\_$



Hu na zwibuṱoko zwingana kha mabaphathi aya a tshokoḽeithi?

$\_\_\_\_ \times \_\_\_\_ = \_\_\_\_$

$\_\_\_\_ \times \_\_\_\_ = \_\_\_\_$



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11 12 13 14 15 16 17 18 19 20

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85a

Kotara u bva kha

Deithi:

1 Ambani nga watshi.



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

Luṅanga lulapfu lwo ima kha miminete ya fumiṱhanu.

Ri ri ndi kotara u bva kha awara ya u thoma.

Ri khou amba uri ndi themo ya awara (miminete ya 15) u bva kha awara ya u thoma.

2 Ndi tshifhingaḓe?



Luṅanga lupfufhi lu kha ḓi tou bva u fhira _____ .

Luṅanga lulapfu lwo ima kha miminete ya _____.

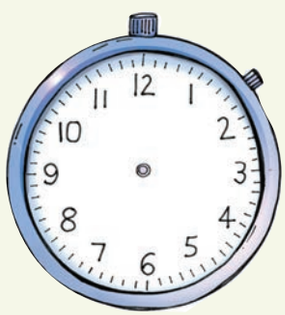
Ri ri ndi _____ u bva kha _____.

3 Olani luṅanga lulapfu na luṅanga lupfufhi.

Kotara u bva kha 8.



Kotara u bva kha 3.



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Kotara u ya kha



Ambani nga watshi.



Luṅanga lupfufhi lutsinitsini na raru.

Luṅanga lulapfu lwo ima kha miminete ya fuiṅaṱhanu.

Ri ri ndi Kotara u ya kha awara ya vhuraru.

Ri khou amba uri ndi themo ya awara (miminete ya 15) u rangela kha awara ya u vhuraru.



Ndi tshifhingaḓe?



Luṅanga lupfufhi lu tsinitsini na _____.

Luṅanga lulapfu lwo ima kha miminete ya _____.

Ri ri ndi _____ u ya kha _____ .



Olani luṅanga lulapfu na luṅanga lupfufhi.

Kotara u bva kha 4.



Kotara u bva kha 8.





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85b

Tshifhinga tshi a tshimbila

Deithi:



Zwo dzhia tshifhinga tshingafhani u ita mushumo?



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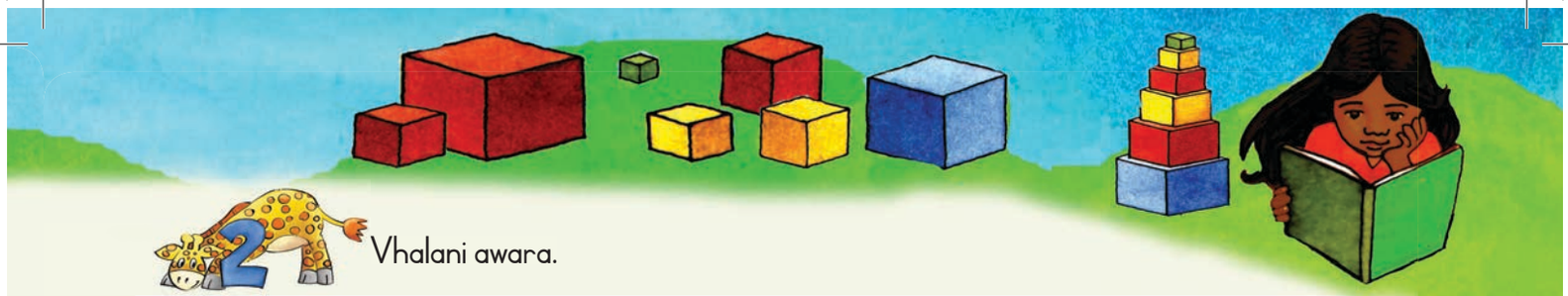

Vhalani awara.

Hu na awara nngana u bva kha awara ya 4 u swika kha awara ya 7? _____

Hu na awara nngana u bva kha awara ya 8 u swika kha awara ya 12? _____

Hu na awara nngana u bva kha awara ya 1 u swika kha awara ya 8? _____

Hu na awara nngana u bva kha awara ya 5 u swika kha awara ya 10 ? _____

Hu na awara nngana u bva kha awara ya 2 u swika kha awara ya 11? _____



Olani tshifanyiso tsha.

Vhonani o dalela khonani yawe nga awara ya 10 nga Mugivhela nga matsheloni. A vhuya hayani nga awara ya 3 mathabama. U vha a siho awara nngana?



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

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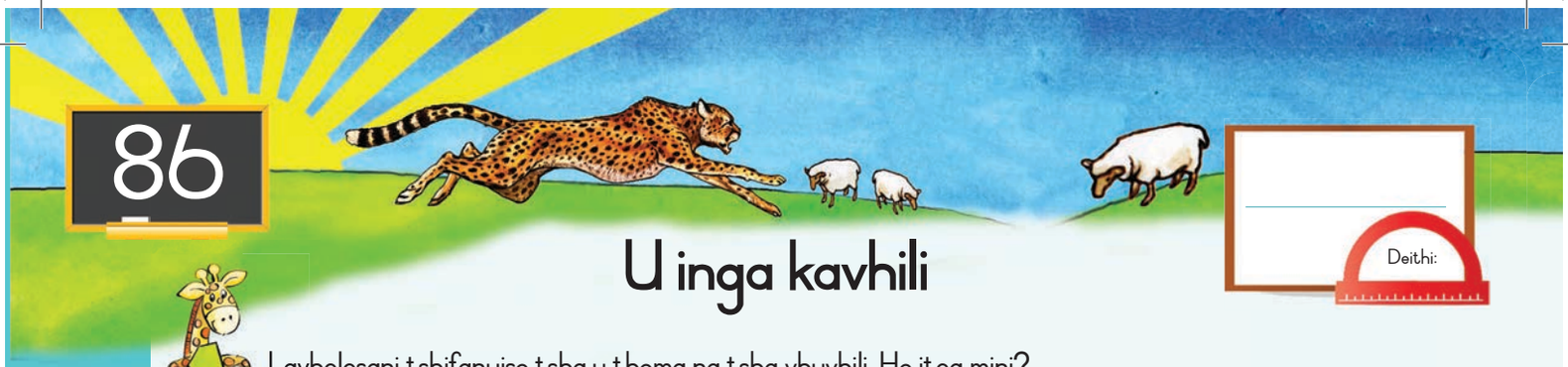


Deithi:

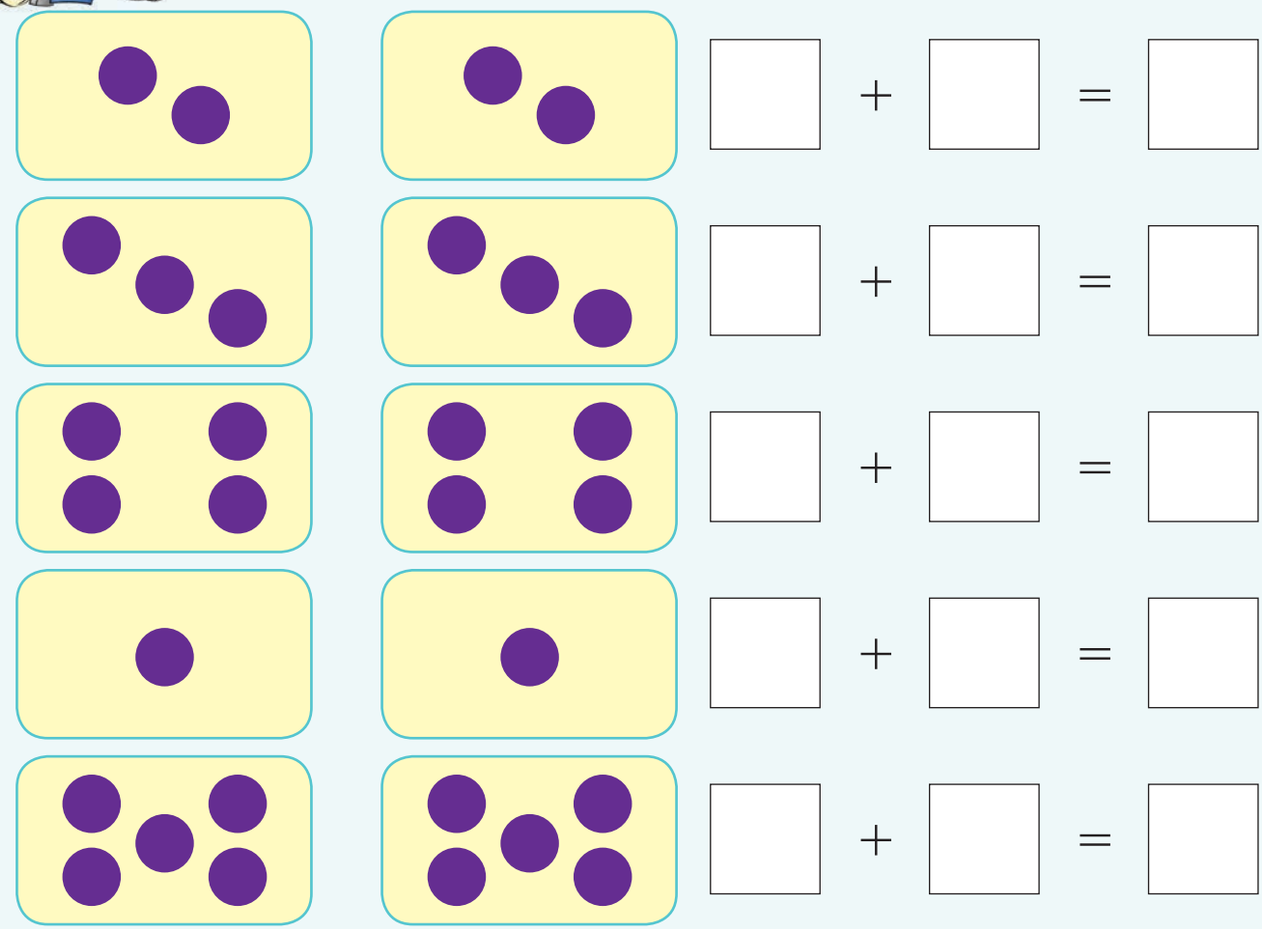
U inga kavhili

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





Engedzani zwithoma, ni ṅwale mbalo ya iṅwe na iṅwe.



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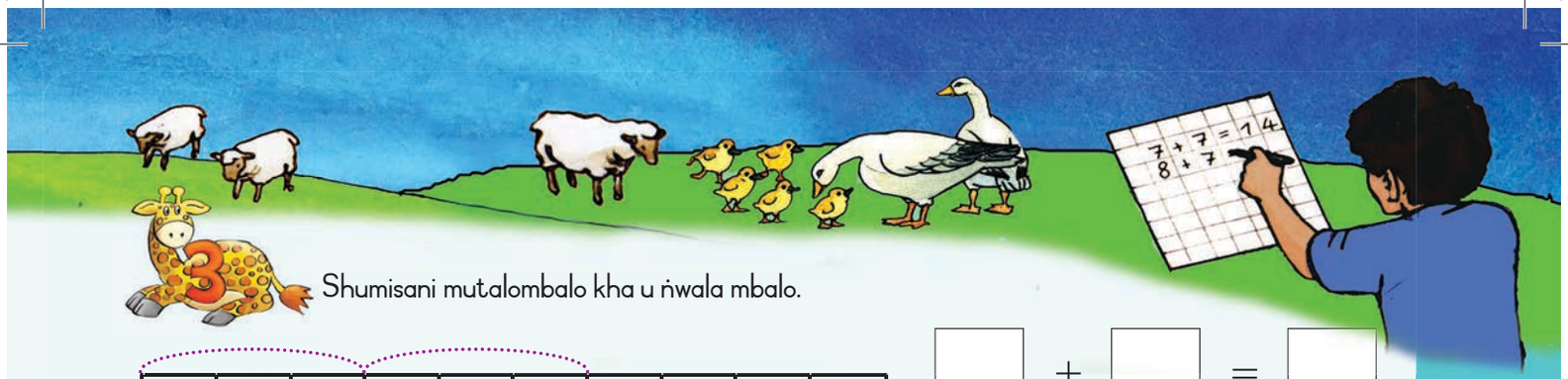
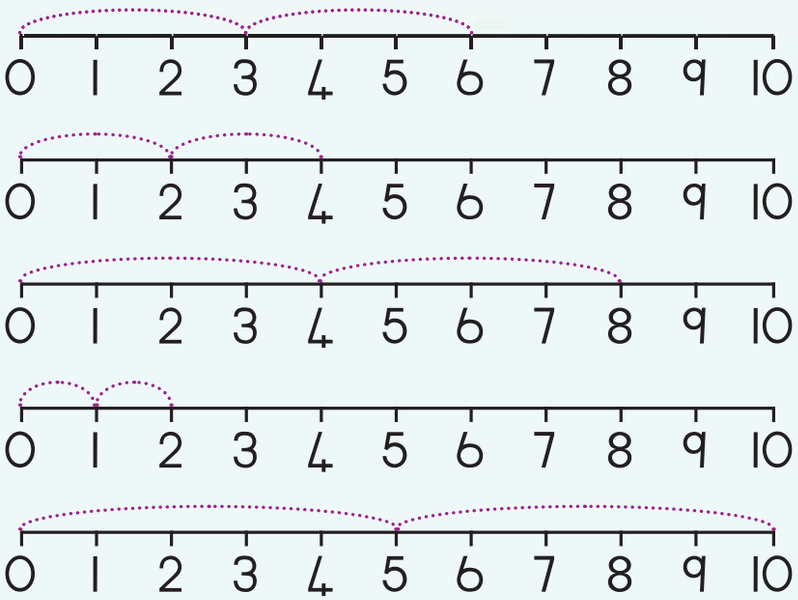


Shumisani mutalombalo kha u ṅwala mbalo.



□ + □ = □

□ + □ = □

□ + □ = □

□ + □ = □

□ + □ = □

Ingani kavhili zwi tevhelaho:

1 kavhili	□ + □ = □	2 × □ = □
2 kavhili	□ + □ = □	2 × □ = □
3 kavhili	□ + □ = □	2 × □ = □
4 kavhili	□ + □ = □	2 × □ = □
5 kavhili	□ + □ = □	2 × □ = □

2 4 6 8 10 12 14

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11 12 13 14 15 16 17 18 19 20

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Deithi:

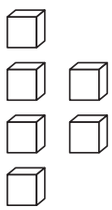
U inga kavhili ha u hafula

1 Lavhelesani zwifanyiso zwivhili. Itani tshiṱori tshaṋu.



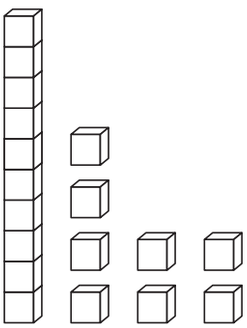


2 Vhalani zwithu ni khaḽare hafu yazwo.



Vhalani ☐

Hafu ndi ☐



Vhalani ☐

Hafu ndi ☐

3 Fhedzisani zwi tevhelaho ni ole tshifanyiso.

☐

12 yo ingwa kavhili ndi ☐

☐ + ☐

4 Fhedzisani

14	8		16	
		2		9

1 2 3 4 5 6 7 8 9 10

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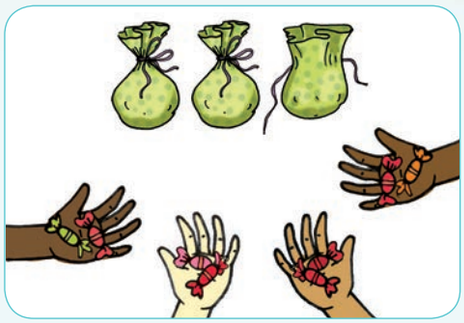
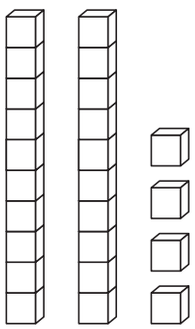
Lavhelesani zwifanyiso zwivhili. Itani tshiṱori tshaṋu.





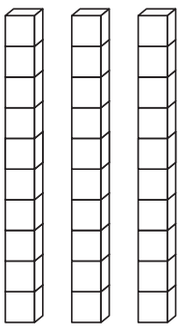
Hu na maḽegere a 10 phakhetheni.

Vhalani zwithu ni khaḽare hafu yazwo.



Vhalani ☐

Hafu ndi ☐



Vhalani ☐

Hafu ndi ☐

Fhedzisani zwi tevhelaho ni ole tshifanyiso.

16 yo ingwa kavhili ndi ☐

☐ + ☐

Fhedzisani.

34			36	40
	22	19		

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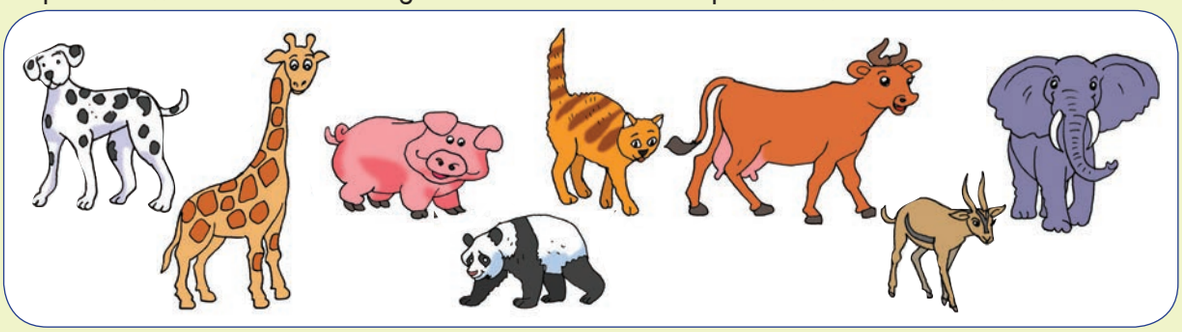
Muandiso muṅwe hafhu

Deithi:

Zwipuka zwoṱhe zwi na milenzhe ya 4.

Zwipuka zwoṱhe zwi na maṱo a 2.



Tshivhalaguṱe tsha milenzhe tshifanyisoni itshi ndi tshifhio? ☐

Tshivhalaguṱe tsha ndevhe tshifanyisoni itshi ndi tshifhio? ☐

1 Lavhelesani tshifanyiso ni fhedzise zwi tevhelaho:

Mmbwa	☐ Tshivhalo tsha mmbwa	×	☐ Milenzhe nga tshipuka	=	☐	☐ Tshivhalo tsha mmbwa	×	☐ Ndevhe nga tshiṅoni	=	☐
Tshivhalo tsha phukha dza ḓaka	☐ Tshivhalo tsha phukha	×	☐ Milenzhe nga tshipuka	=	☐	☐ Tshivhalo tsha phukha	×	☐ Milenzhe nga tshipuka	=	☐

2 Fhedzisani zwi tevhelaho:

4	8	12							
40	36	32							

3 Fhedzisani zwi tevhelaho

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

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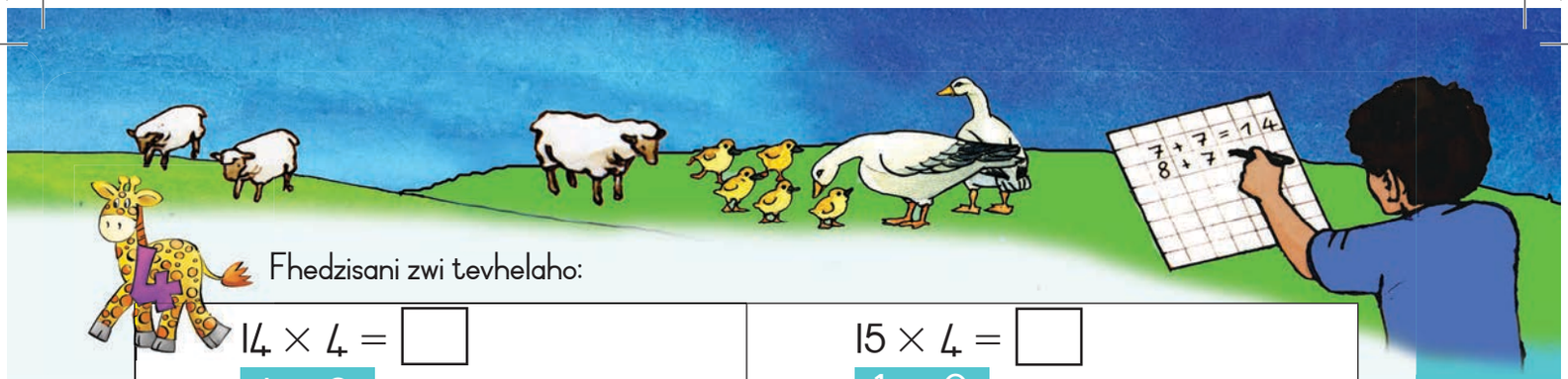

Fhedzisani zwi tevhelaho:

$14 \times 4 = \square$

$10 \quad 4 \times 4$

$= 10 + 4 \times 4$

$= 10 \times 4 + 4 \times 4$

$= 40 + 16$

$= 56$

$15 \times 4 = \square$

$10 \quad 5 \times 4$

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

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

$= \square + \square$

$= \square$

Khonani mbili dzi khou tamba nga sethe mbili dza u ita tie. Vha a dzi nanguludza nga murahu. Vha tea u vha na mini na mini u itela uri zwi eḓane?



Fhedzisani zwi tevhelaho:

Kovhelani mavhuḽu dza 19 vhana vha 4 nga u eḓana.

Muṅwe na muṅwe u wana ☐

Masalela ☐

Kovhelani penisela dza 22 vhana vha 4 nga u eḓana.

Muṅwe na muṅwe u wana ☐

Masalela ☐

Olani tshifanyiso ni tshi sumbedza phindulo dzaṉu.

Kovhelani mabisikitsi a 23 vhana vha 4 nga u eḓana.

Muṅwe na muṅwe u wana ☐

Masalela ☐

Kovhelani ḽolipopo dza 15 vhana vha 4 nga u eḓana.

Muṅwe na muṅwe u wana ☐

Masalela ☐

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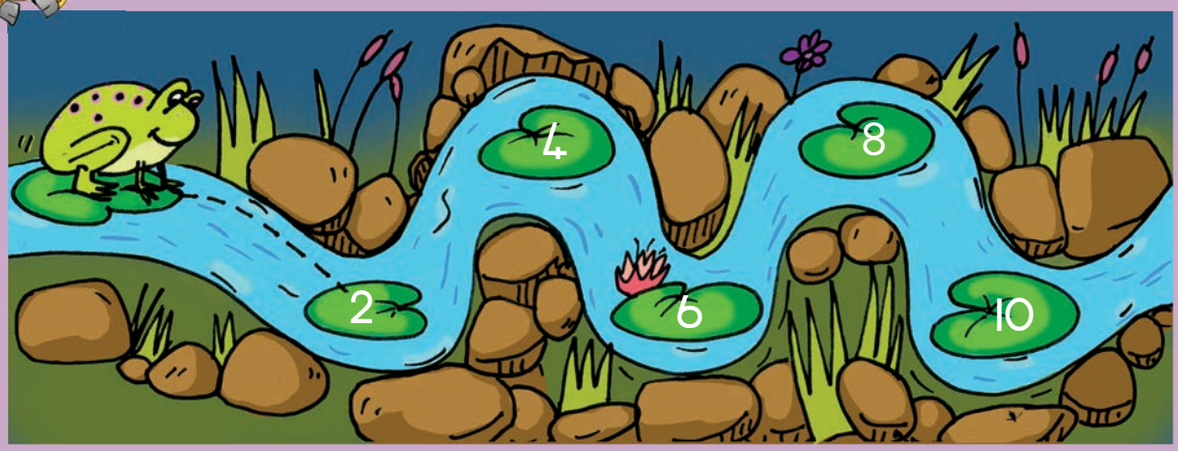
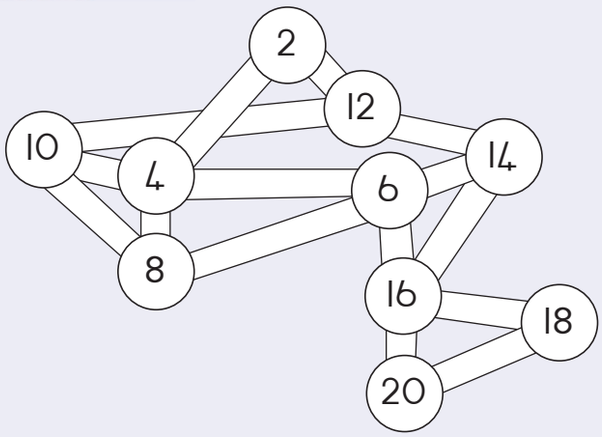
Phetheni dza nomboro

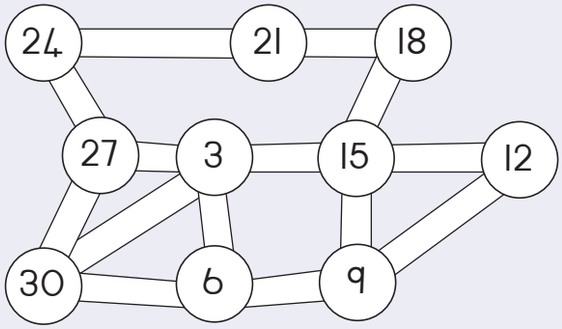
Deithi:

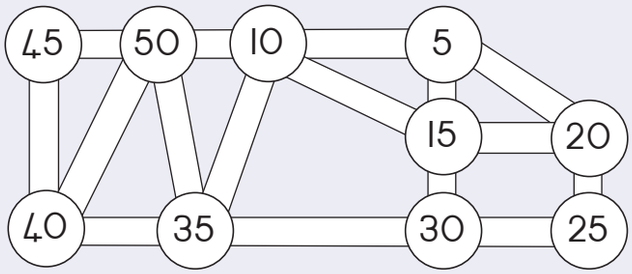
1 Nomboro i re kha siaṱari ḽi tevhelaho i ḓo vha ifhio?

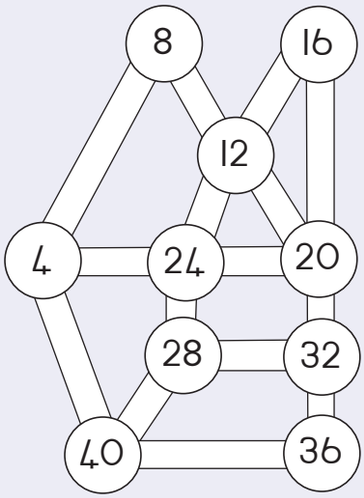


2 Topolani phetheni. Olani luḓila, ni thome nga nomboro ṱhukhusa.









1 2 3 4 5 6 7 8 9 10

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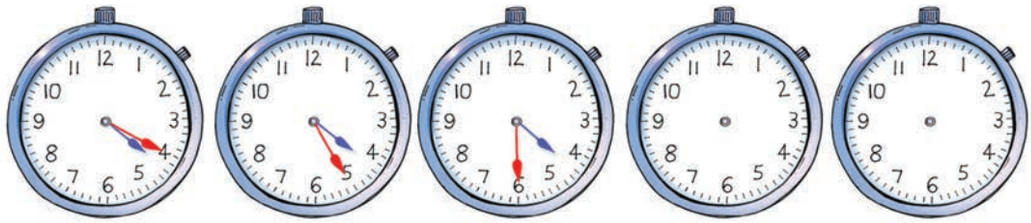
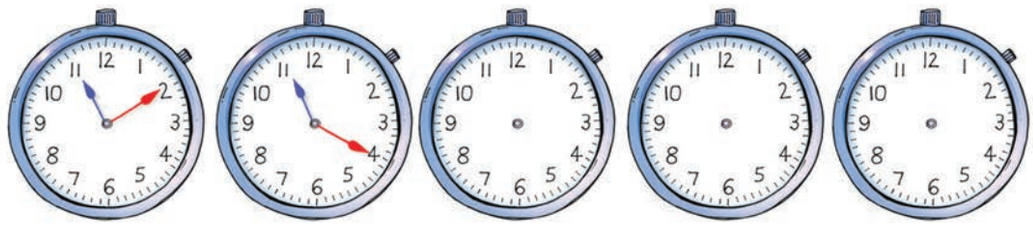
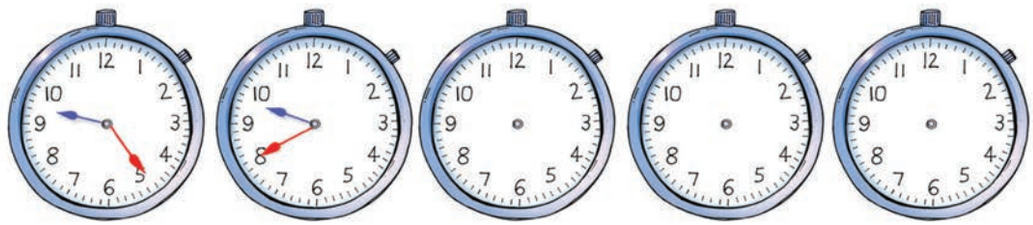
Olani maṋanga kha watshi ni fhedzise phetheni dza zwifhinga.



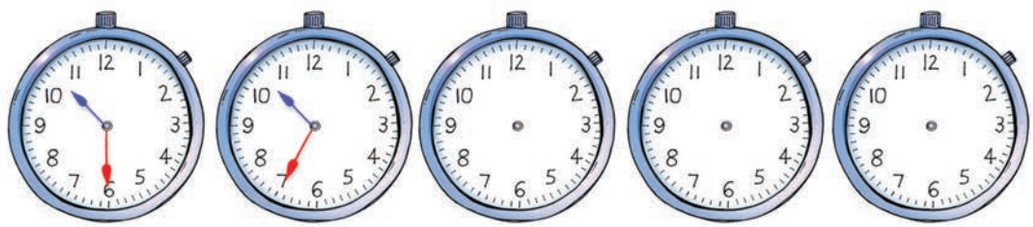
4:20 4:25 ___:___ ___:___ ___:___



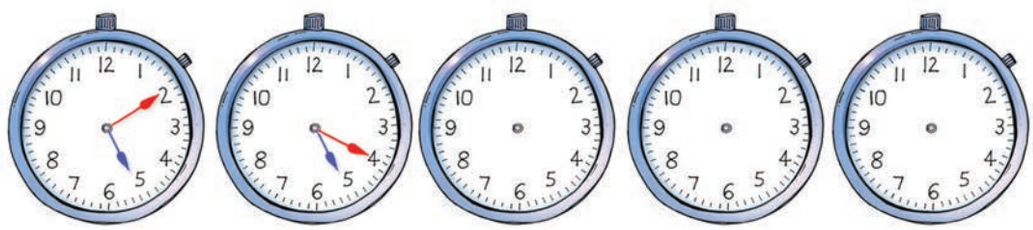
11:10 11:20 11:30 ___:___ ___:___



9:25 9:40 9:55 ___:___ ___:___



10:30 10:35 10:40 ___:___ ___:___



5:10 5:20 5:30 ___:___ ___:___

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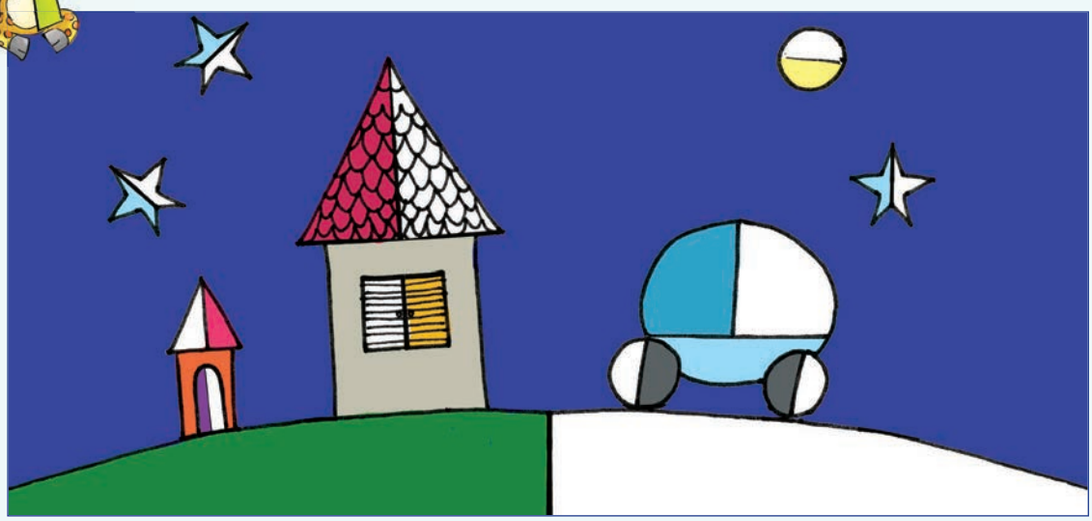
90

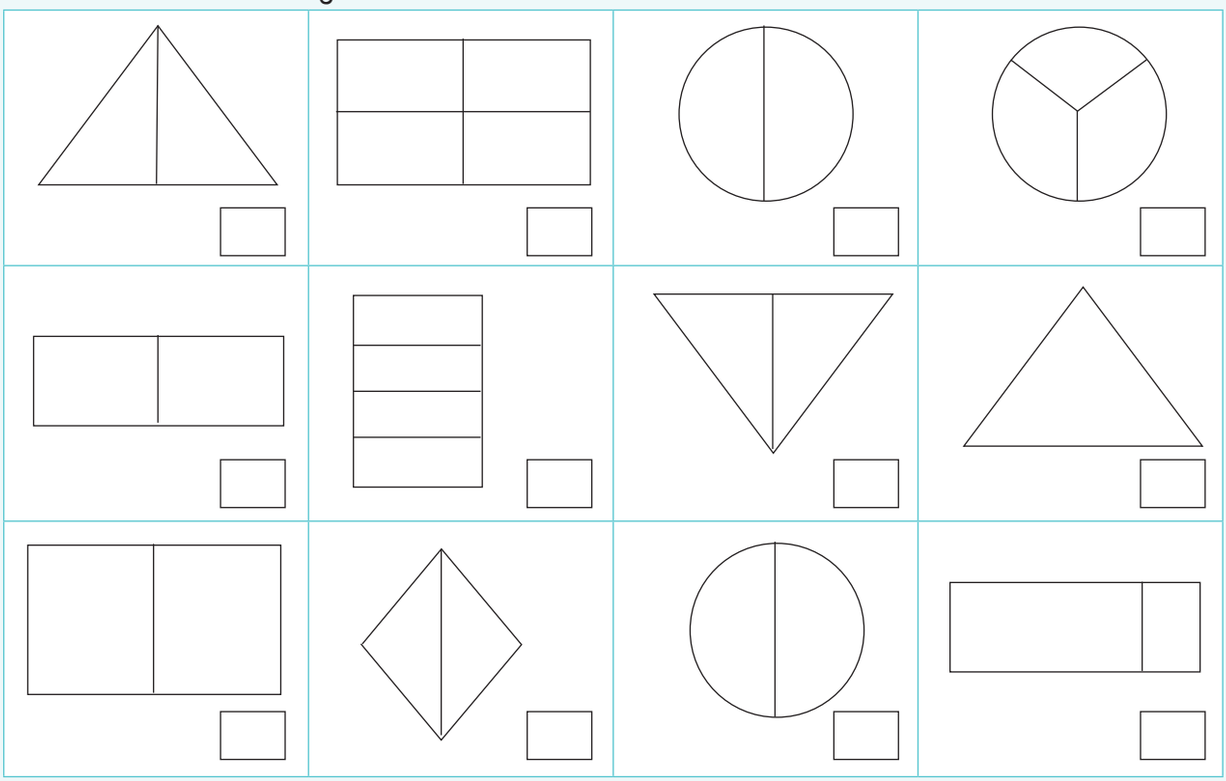
Deithi:

Furakhisheni (zwipiḓa) – hafu

1 Lavhelesani tshifanyiso. Khaḽarani dziḽa dziṅwe hafu nga muvhala u no fana.



2 Lavhelesani tshifanyiso. Ṅwalani thiki kha zwivhumbeo zwi no sumbedza hafu. Khaḽarani hafu nthihi ya tshivhumbeo tshiṅwe na tshiṅwe tshe tsha fhandukanywa tsha bva dzihafu.



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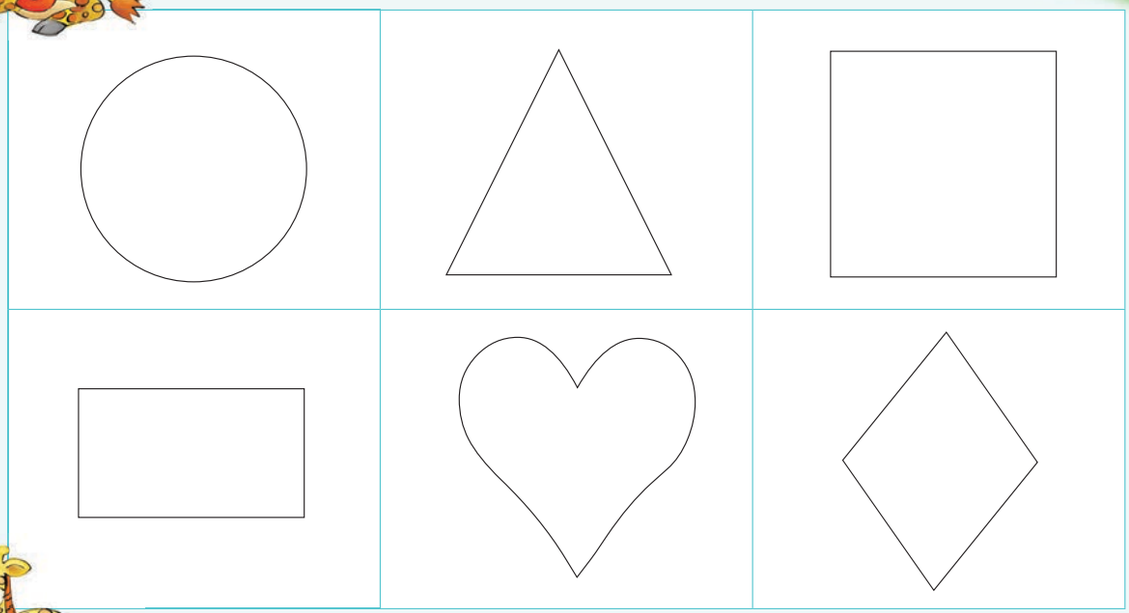
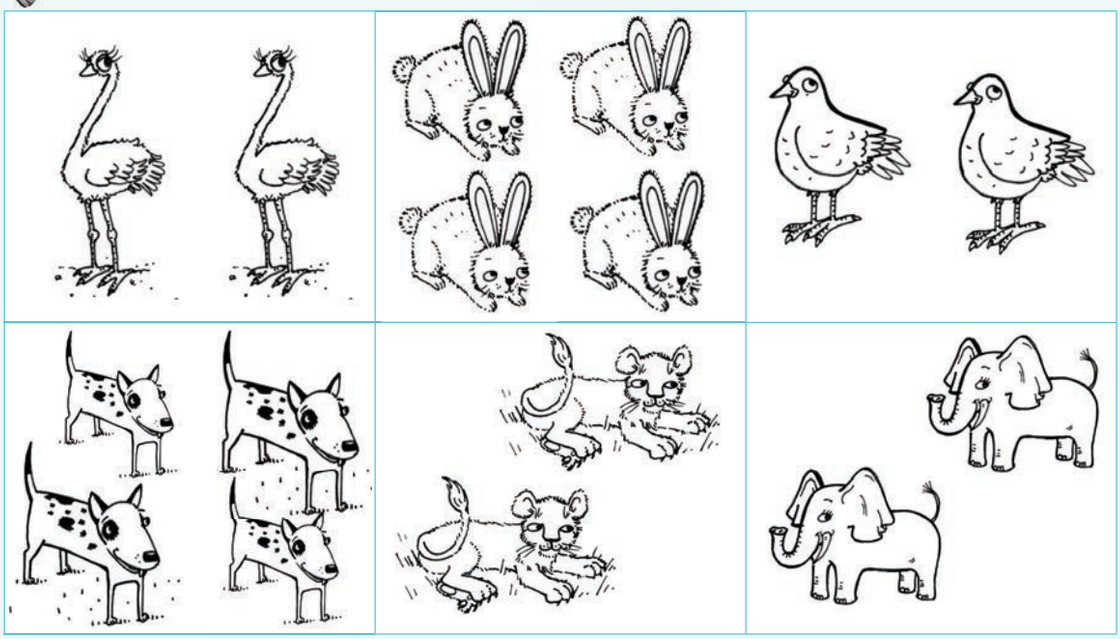
Khaḽarani hafu ya tshivhumbeo tshiṅwe na tshiṅwe.



Khaḽarani hafu ya zwipuka zwi re kha tshibuḽoko tshiṅwe na tshiṅwe



hafu hafu hafu hafu

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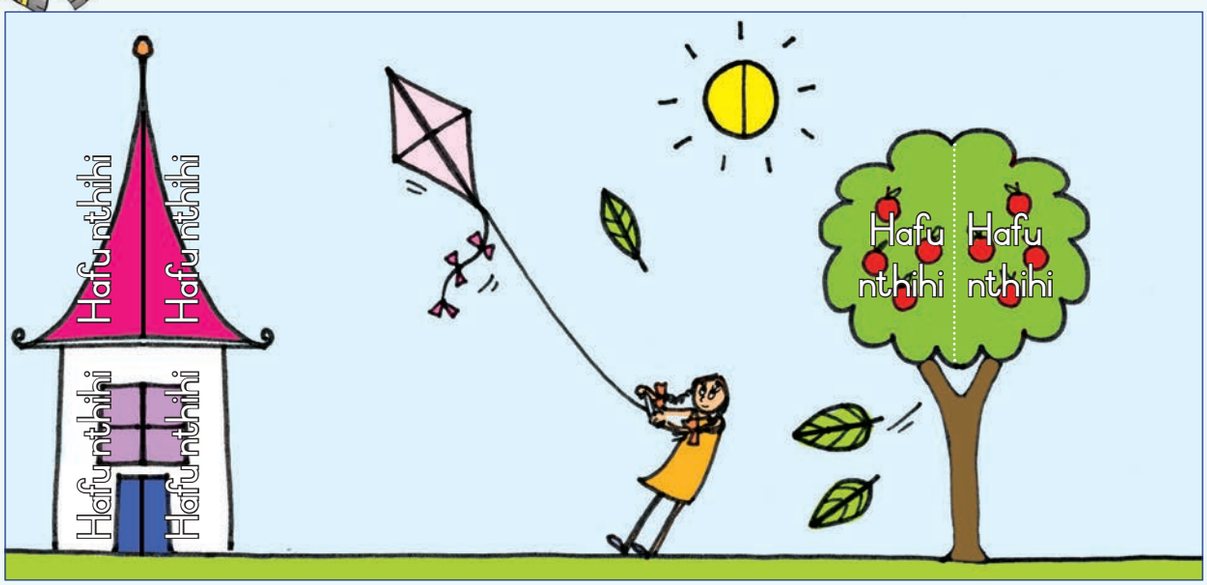
91

Furakhisheni – hafu dziṅwe hafhu

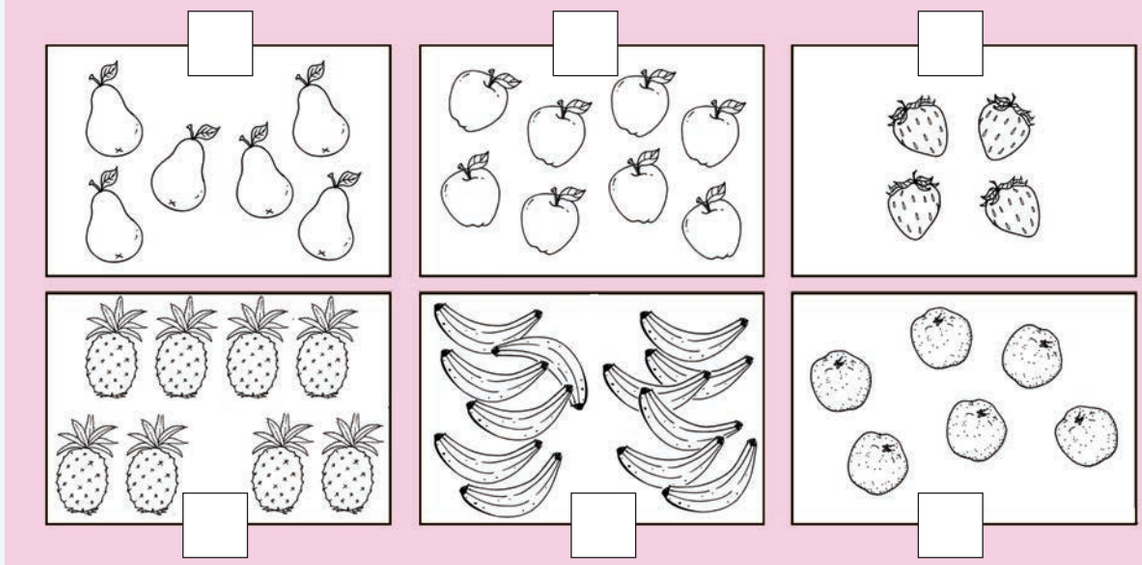
Deithi:

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



2 Hafu nthihi ya maapula a re murini ndi _____.

3 Khaḽarani hafu ya mitshelo kha tshigwada tshiṅwe na tshiṅwe.
Hafu ya tshivhalo tsha mitshelo i re kha tshigwada tshiṅwe na tshiṅwe ndi ifhio?



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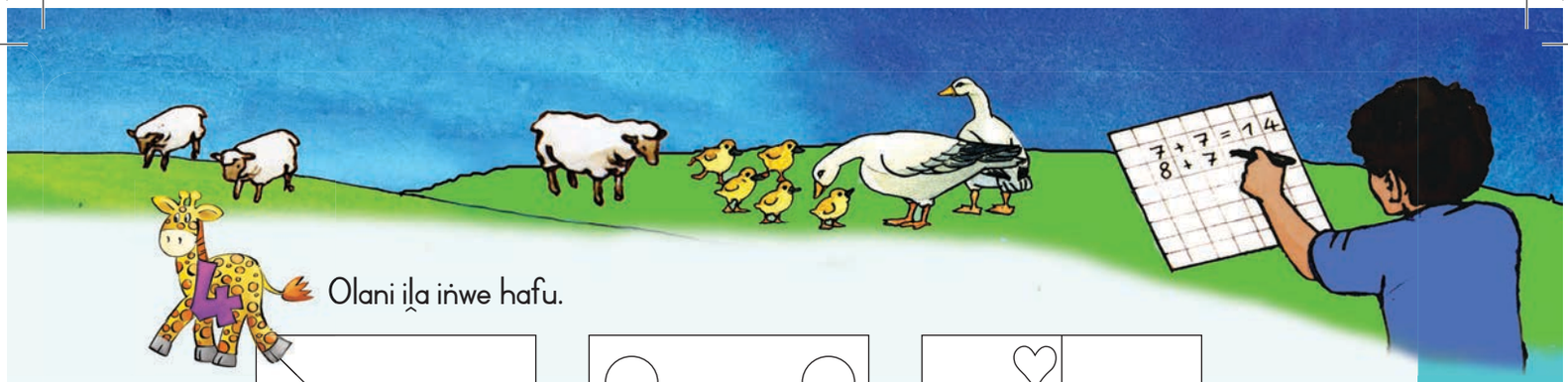
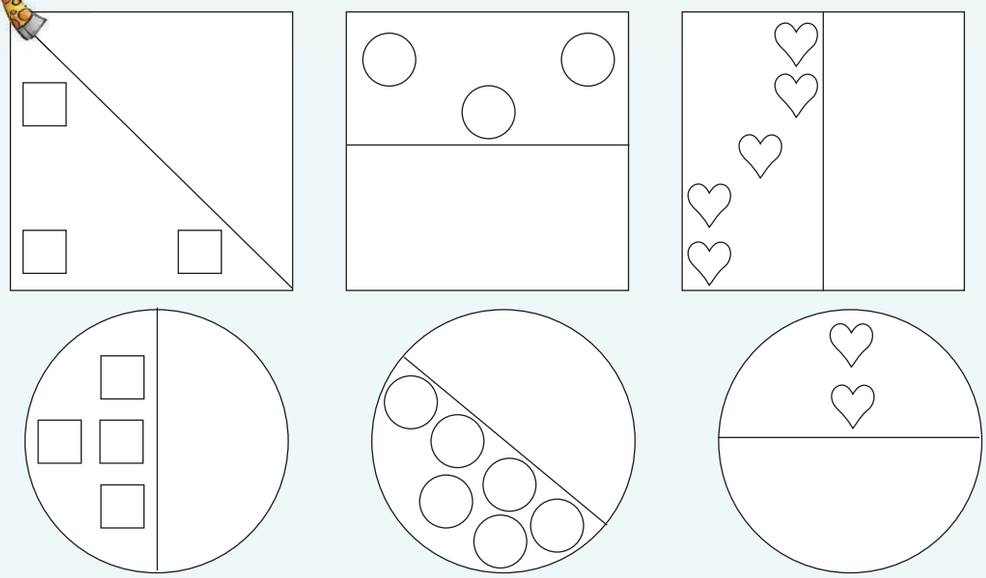
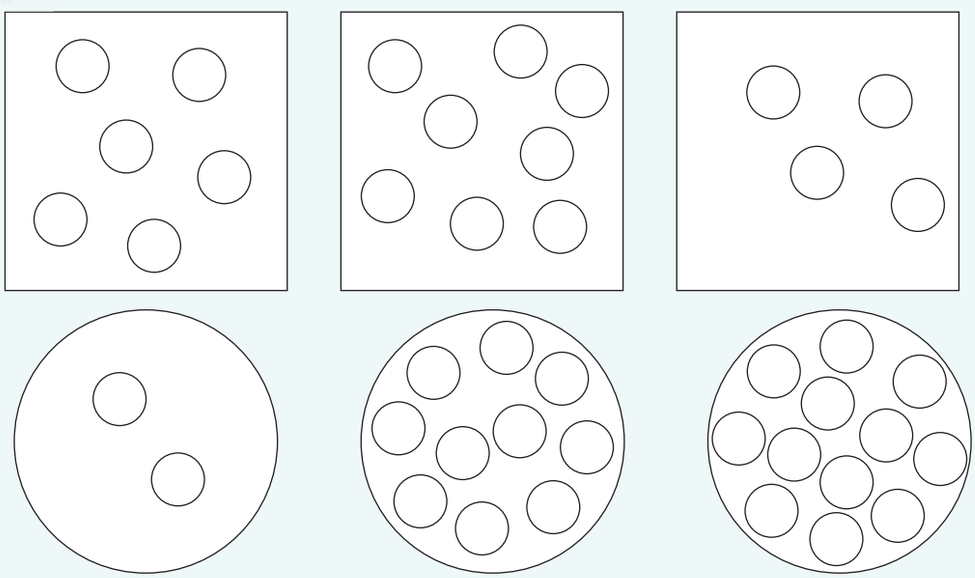


Olani iḽa inwe hafu.



Khaḽarani hafu ya zwivhumbeo.



hafu hafu hafu hafu

Teacher:

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92

Vhuimo na mbonalo

Deithi:

Tshiṅoni tsho ima ngafhi? Maipfi e na ṅewa a ḓo ni thusa.



Mbonalo ya nga phanḓa ya tshifhaṱo.



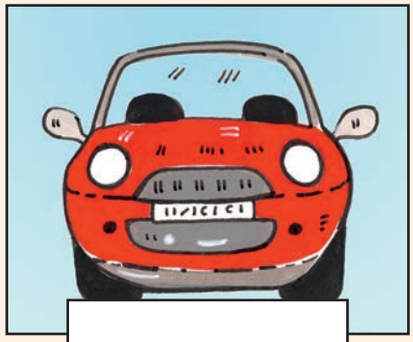
Mbonalo ya nga matungo ya tshifhaṱo.

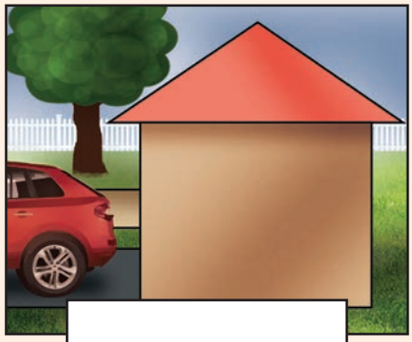


Mbonalo ya nga nṱha ya tshifhaṱo.

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

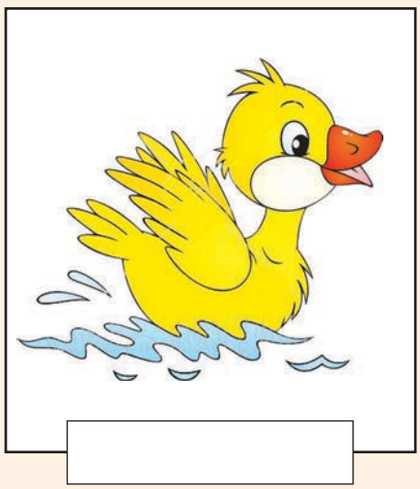




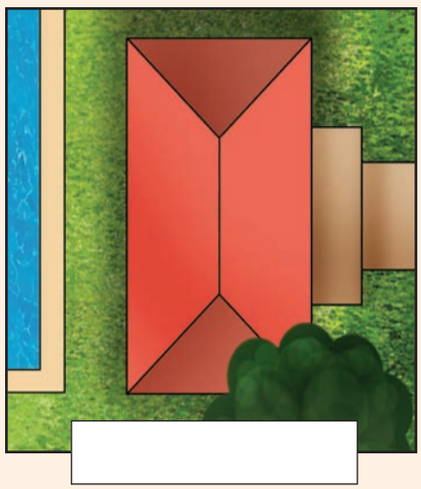


2 Ṅwalani maipfi aya kha tshifanyiso. Uyu muthu u khou vhona mini?

mbonalo ya nga phanḓa	mbonalo ya nga nṱha	mbonalo ya nga matungo







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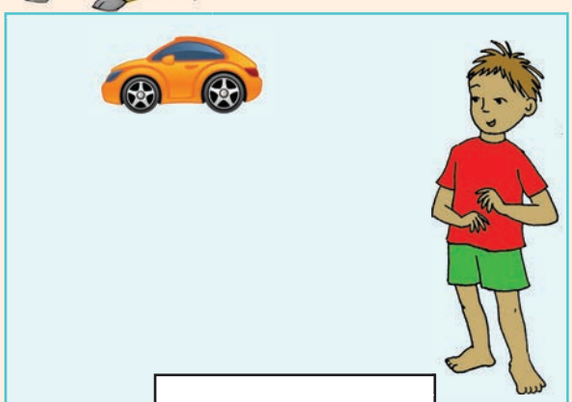
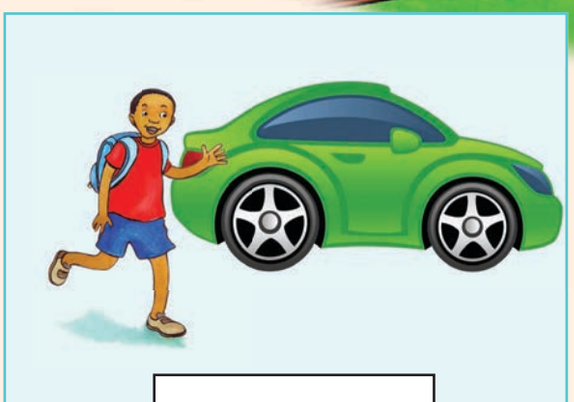
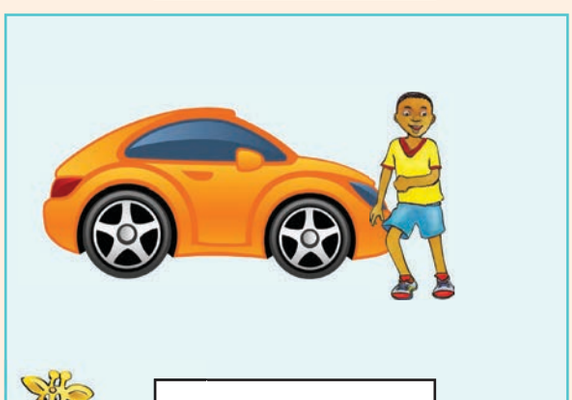
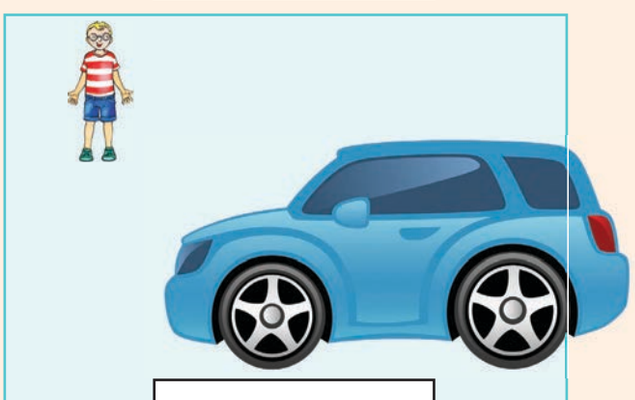
Bulani uri mo̱doro u tsini kana u kule na mutukana naa.









Olani muri u tsini kana kule na musidzana.



tsini

kule



Itani nyito iyi:

- Lavhelesani zwithu zwivhili nga ma̱to vhuvhili hao. Ni vhona mini?
- Thivhani li̱to li̱thihi nga tshanda, zwino ni vho vhona mini?

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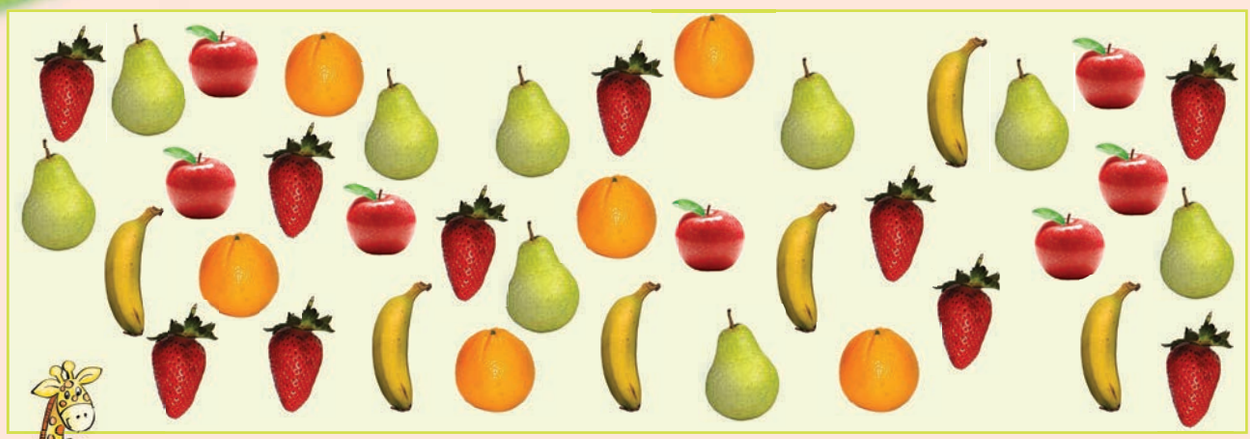
93

Data iṅwe hafhuhafhu

Deithi:



Nanguludzani mitshelo. Olani nyolo yaṋu ya u zwi sumbedza. Ṅwalani ṱhanganyelo tshibogisini.

Nga u nanguludza, ndo vhea mitshelo i no fana fhethu huthihi.



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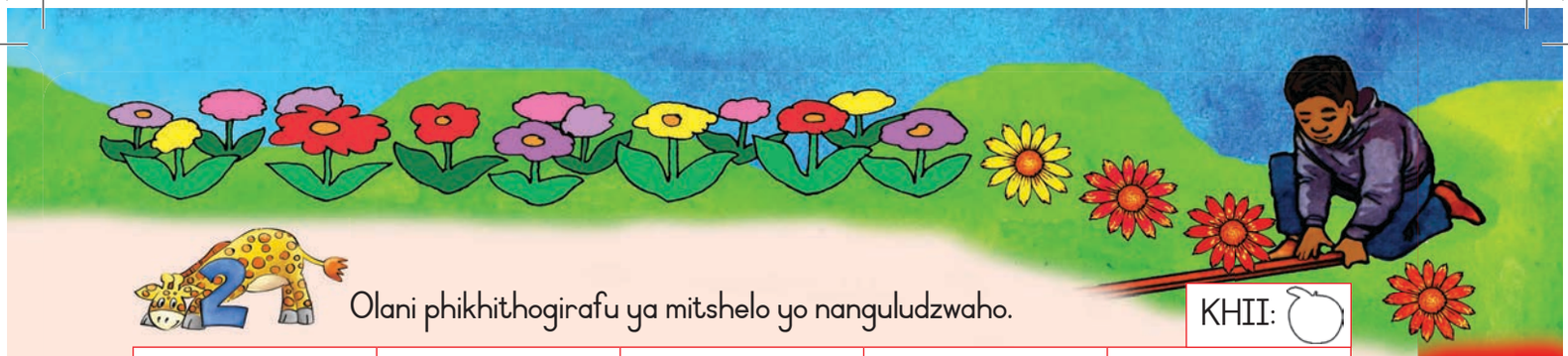

2 Olani phikhithogirafu ya mitshelo yo nanguludzwaho.

KHII:

				

3 Sedzani mitshelo ni fhindule mbudziso.

				

Fhindulani mbudziso:

Ndi mutshelo ufhio u re munzhi?

Ndi mutshelo ufhio u re muṱuku?



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94a

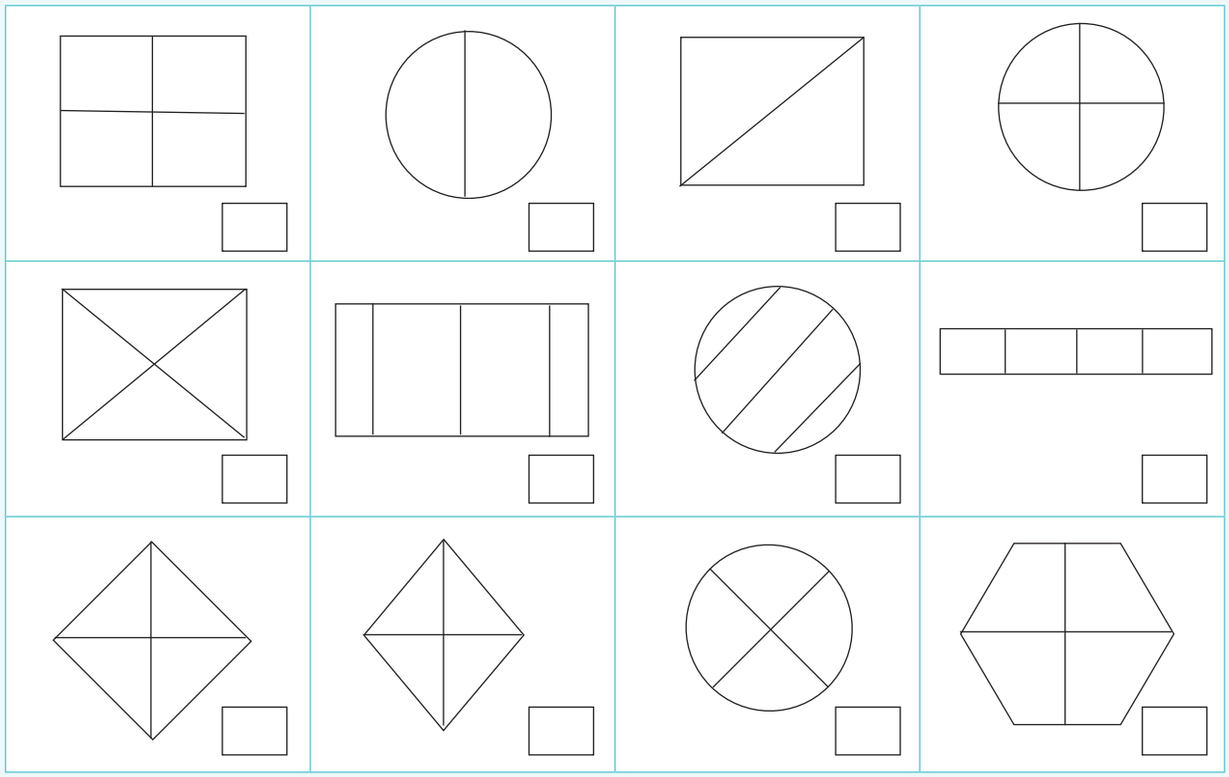
Deithi:

Furakhisheni – dzikota

1 Khaḽarani kota ya u fhedza nga muvhala muthihi.



2 Ṅwalani thiki kha zwivhumbeo zwi no sumbedza dzikota. Khaḽarani kota nthihi ya tshivhumbeo tshiṅwe na tshiṅwe tshe tsha fhandulwa tsha bva dzikota.



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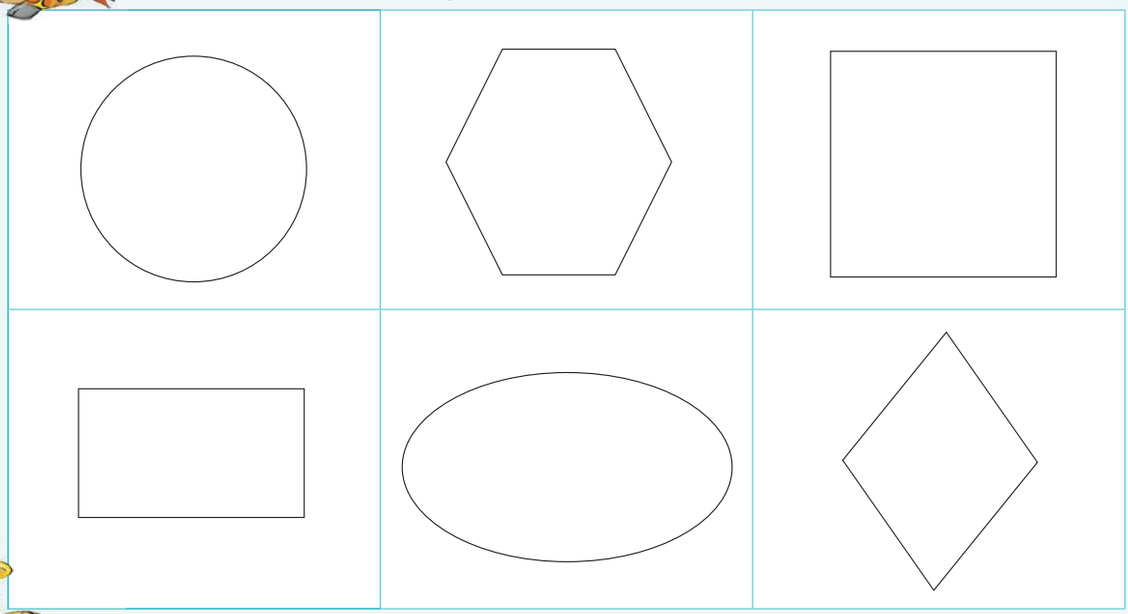
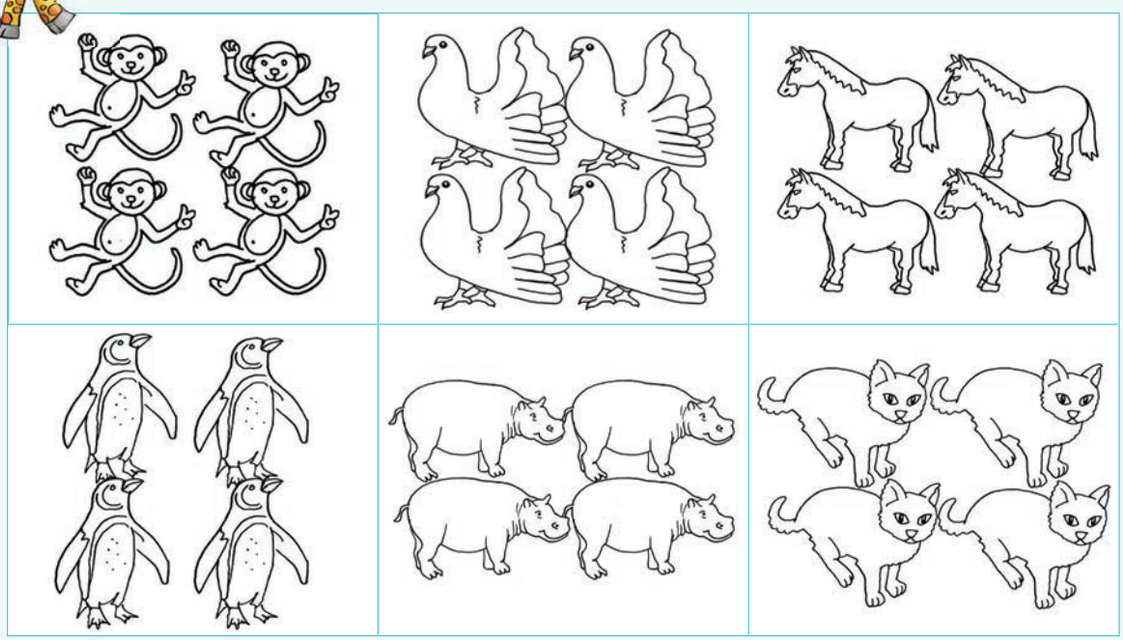
3 Khaḽarani kotara nthihi ya tshivhumbeo.



4 Khaḽarani kota nthihi ya tshigwada tshiṅwe na tshiṅwe tsha zwipuka.



Kota Kota Kota

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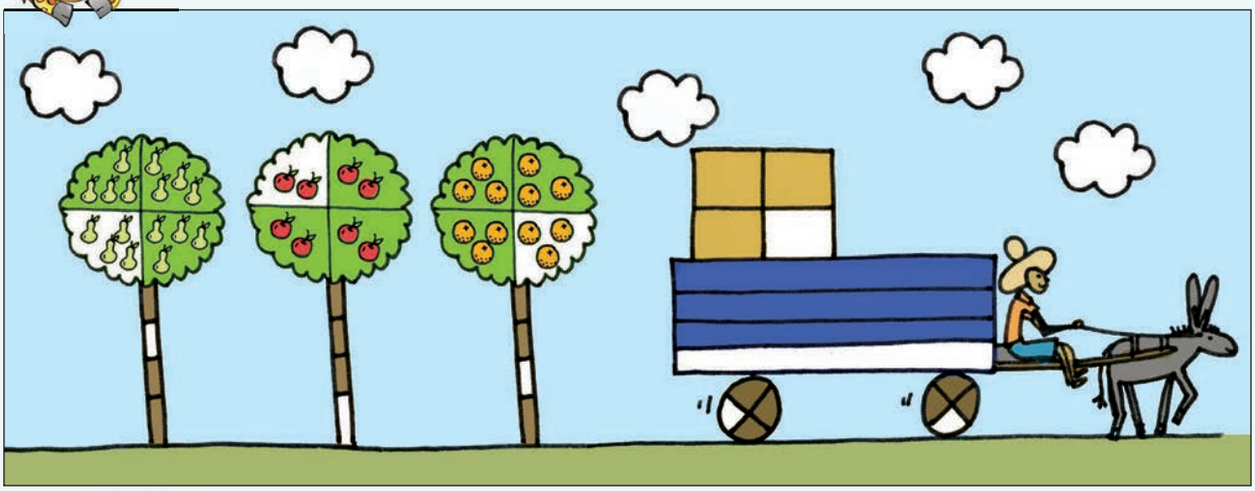
94b

Furakhisheni – kota dziṅwe hafhu

Deithi:

1 Khaḽarani kota ya u fhedza nga muvhala muthihi.



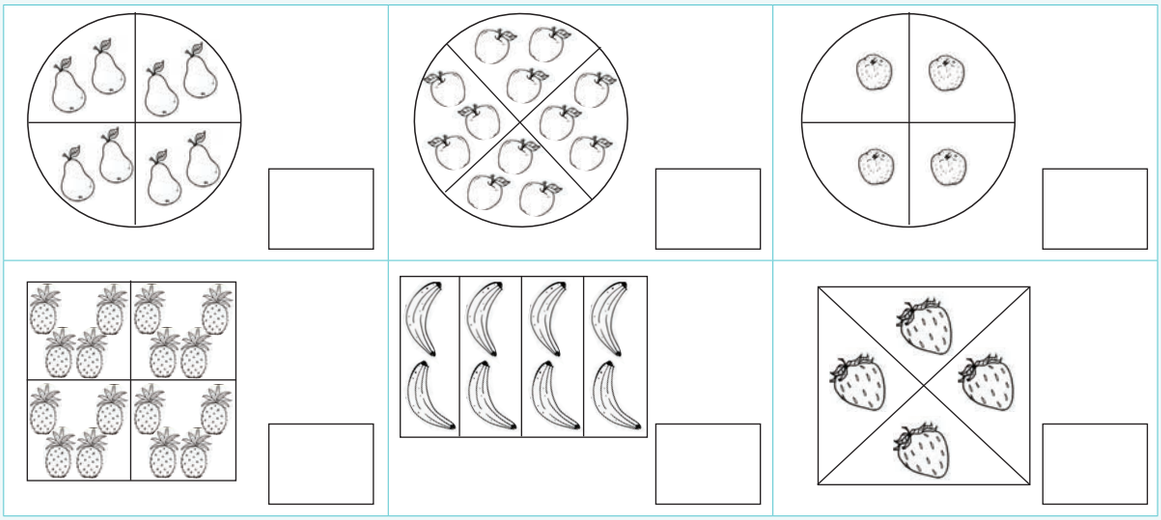
2 Fhindulani zwi tevhelaho:

kota nthihi ya mapiere a re murini ndi _____.

kota nthihi ya maapula a re murini ndi _____.

kota nthihi ya maswiri a re murini ndi _____.

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



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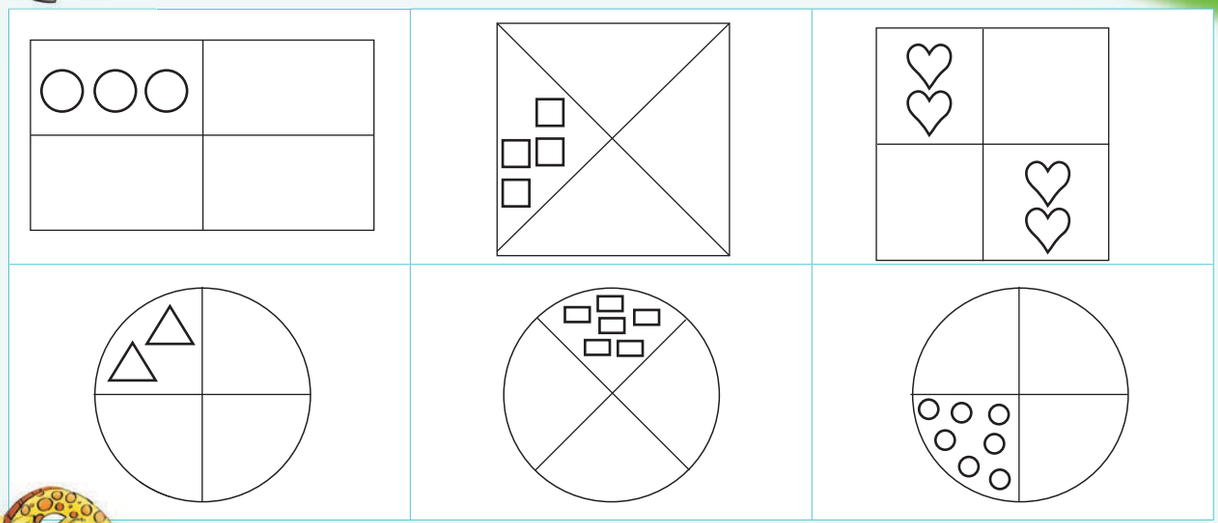
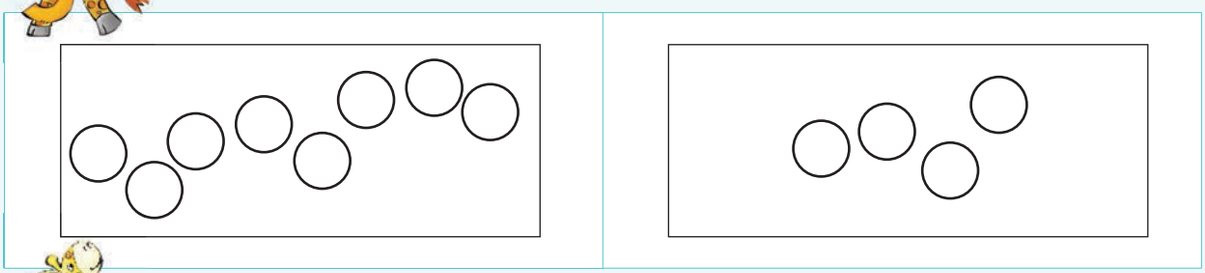
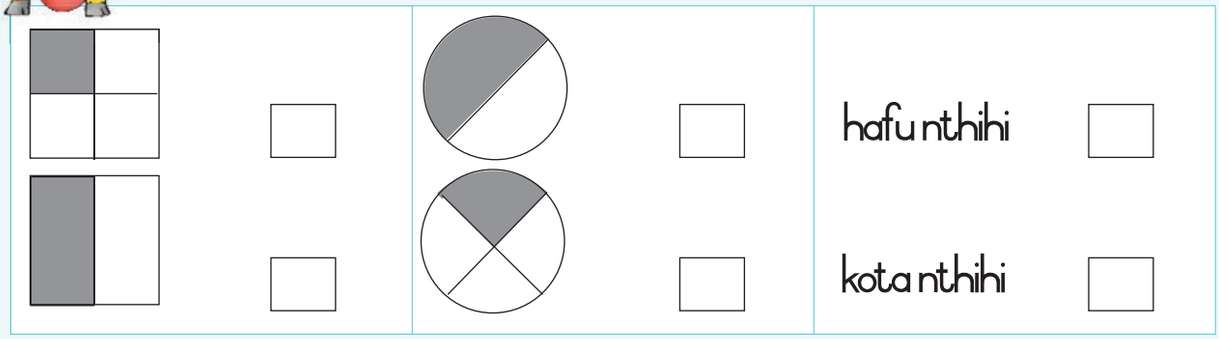
4 Olani zwiṅwe zwivhumbeo u itela uri kota dzi lingane.

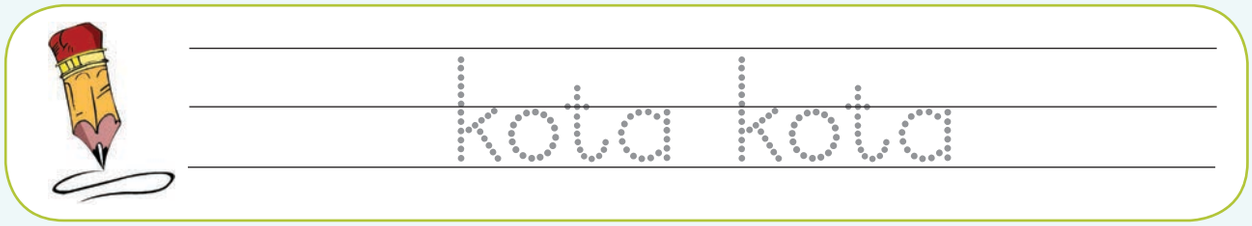


5 Sumbedzani kota nthihi ya zwivhumbeo.



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





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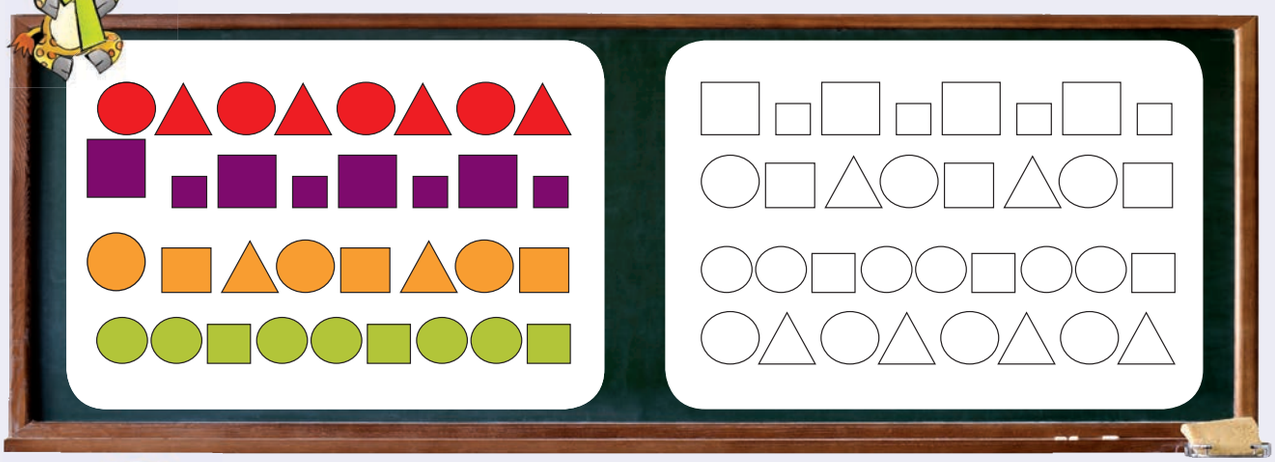
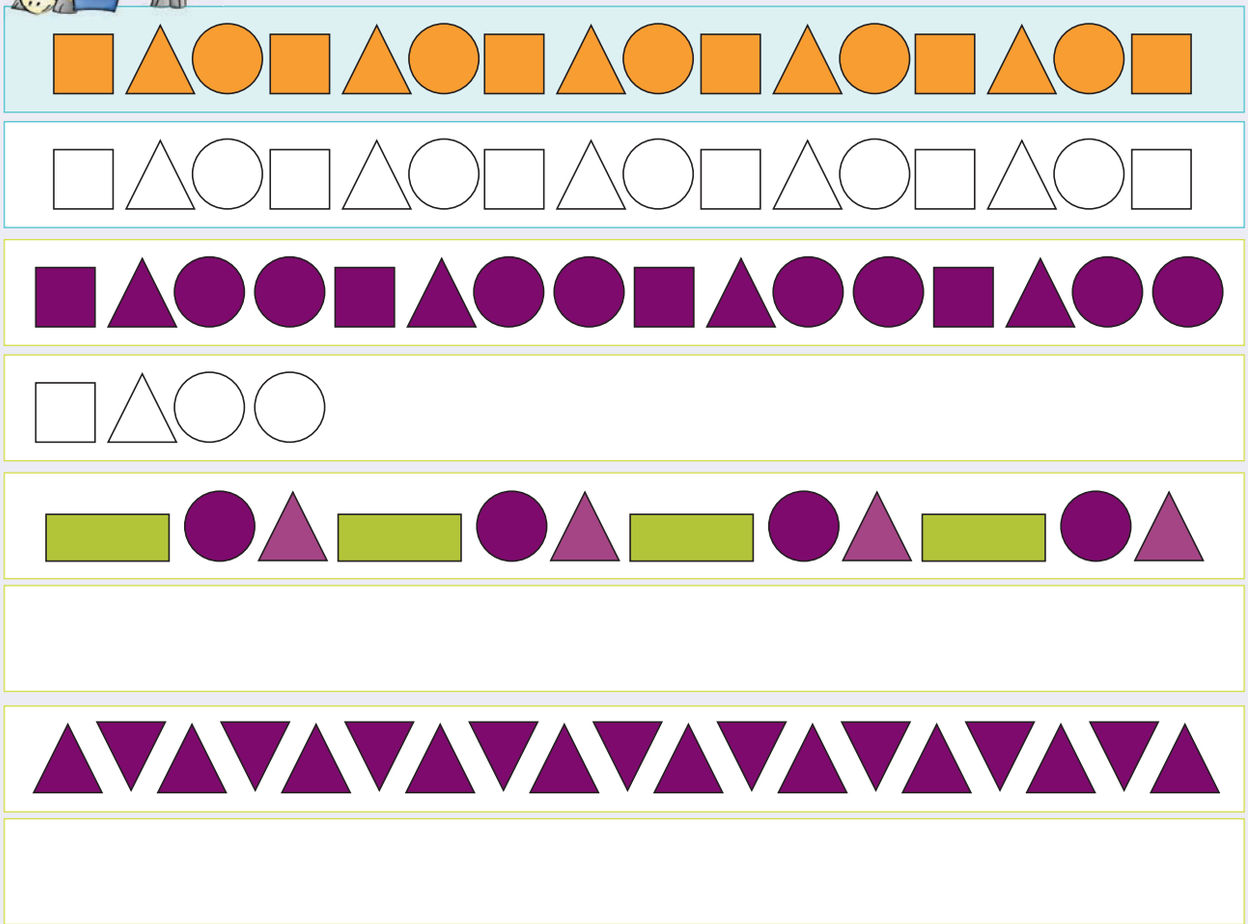
95 Nomborani phetheni nga zwivhumbeo

Deithi:

1 Livhanyani phetheni.



2 Kopololani phethini i tevhelaho.



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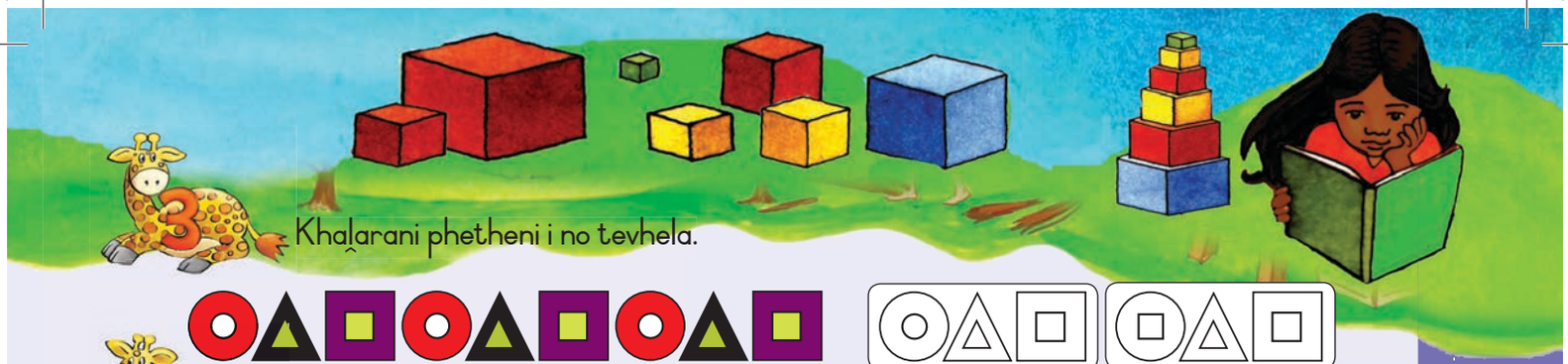
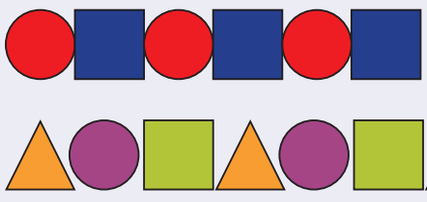
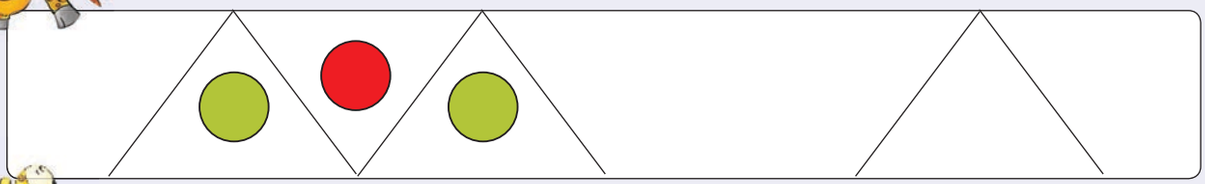


3 Khaḽarani phetheni i no tevhela.

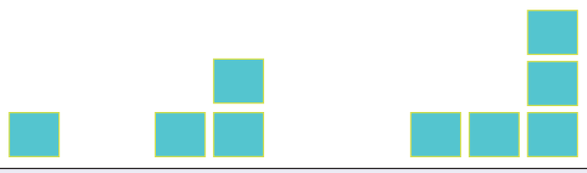
4 Olani phetheni i no tevhela.

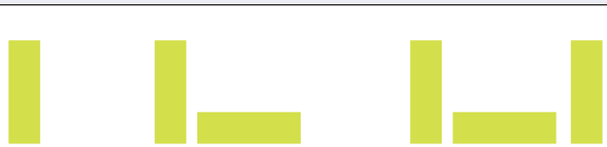


5 Ṯharamudzani phetheni.



6 Olani phetheni i no tevhela.





7 Olani phetheni yaṉu inwi muṉe.

Teacher:

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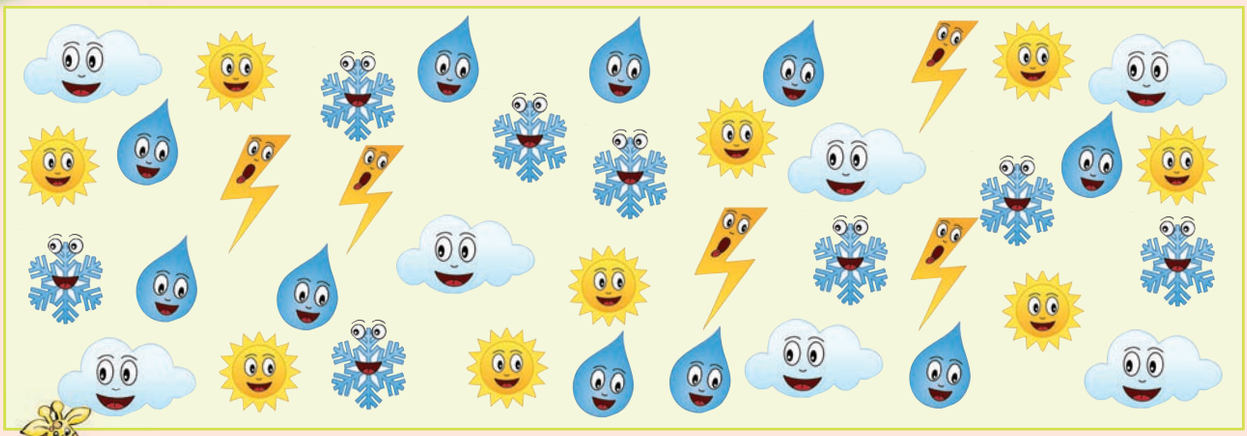
96

Deithi:

U vhekanya data



Nanguludzani zwithu zwa mutsho. Olani nyolo yaṉu ya u zwi sumbedza.
Ṅwalani ṱhanganyelo tshibogisini.

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Olani phikhithogirafu ya zwithu zwa mutsho zwo nanguludzwaho.

KHII:

				



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

				

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

Ni vhona u nga ndi khalaṅwaha ifhio?

Ngani?

Zwi ḓo rali kha mavunḓu oṱhe?

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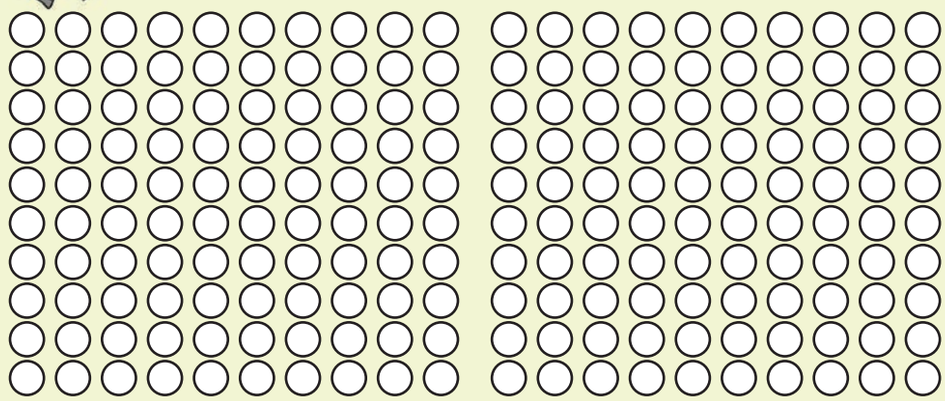
Deithi: _____

Nomboro 150 – 180



Khaḽarani zwitendeledzi zwa 172.



100 + 70 + 2



Ṅwalani fhungombalo ḽa:

100 + 50 + 8 = 158	100 + 50 + 9 =	100 + 70 + 2 =
100 + 50 + 0 =	100 + 60 + 7 =	100 + 70 + 5 =



Ndi nomboro dzifhio dzi no ḓa vhukati ha:

150 na 158 _____

172 na 177 _____

180 na 175 _____

160 na 155 _____

165 na 160 _____

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Ṅwalani nomboro mbili dzine dza vha ṱhukhu na mbili dzine dza vha khulwane kha ye ya ṉewa.

Ṱhukhu		Nomboro	Khulwane	
		157		
		165		
		178		
		161		
		174		

Fhedzisani mitalombalo iyi.

150 151 ☐ 153 ☐ ☐ 156 ☐ ☐ ☐ 160

180 179 178 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

166 167 ☐ ☐ ☐ ☐ 172 ☐ ☐ 175 176

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

Teacher:
Sign:
Date:

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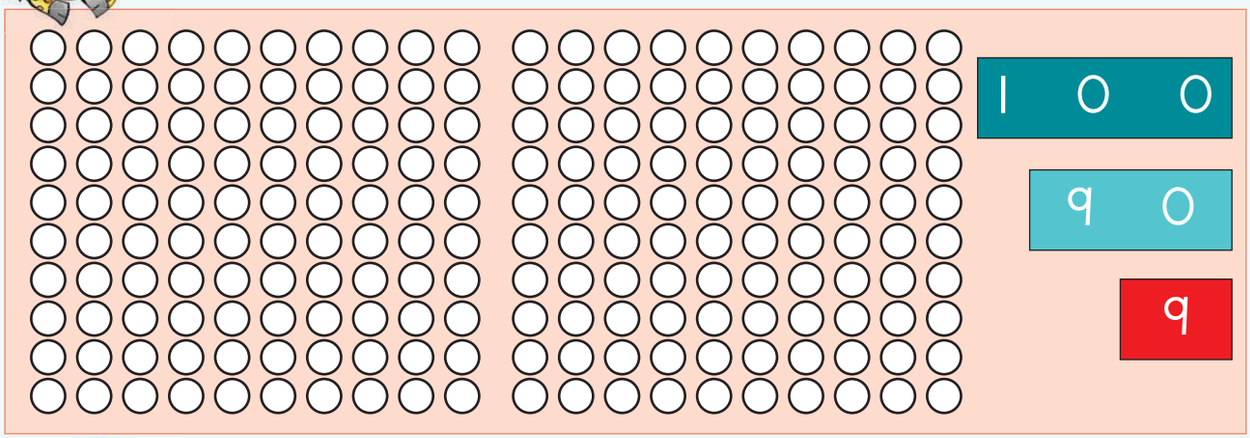
Nomboro 170 – 200

Deithi:

1 Khaḽarani zwitendeledzi zwa 199.



2 Ṅwalani nomboro ya:

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

3 Ndi nomboro ifhio i no ḓa vhukati ha:

170 na 175 _____

198 na 195 _____

180 na 175 _____

168 na 173 _____

200 na 196 _____

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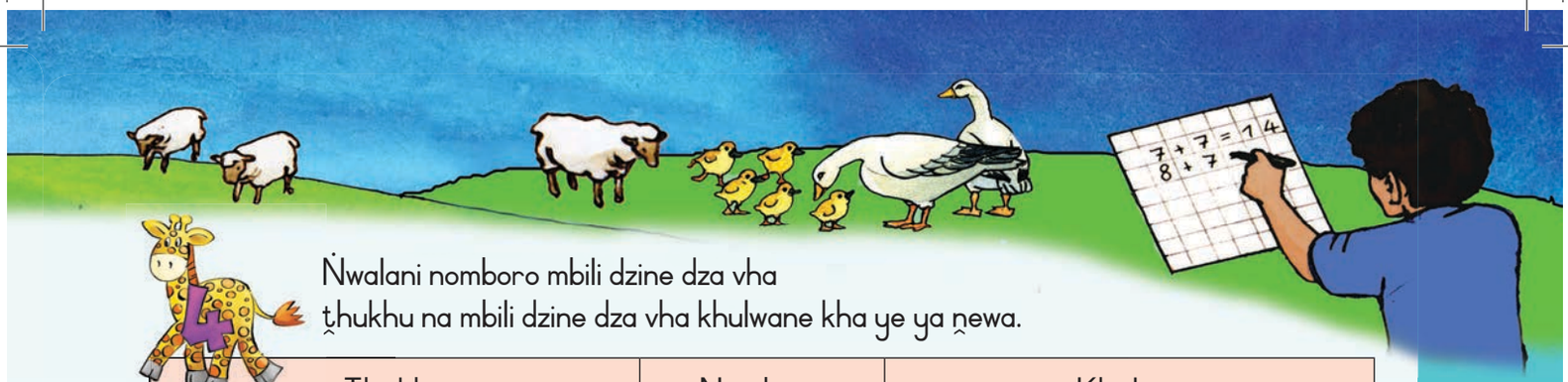

Ṅwalani nomboro mbili dzine dza vha ṱhukhu na mbili dzine dza vha khulwane kha ye ya ṉewa.

Ṱhukhu		Nomboro	Khulwane	
		170		
		198		
		185		
		174		
		181		

Fhedzisani mitalombalo iyi.

170 171 172 ☐ ☐ ☐ ☐ ☐ ☐ ☐ 180

175 176 177 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

190 ☐ 192 193 194 ☐ ☐ ☐ ☐ 199 200

Gerani nomboro tharu dzi re vhukati ha 170 na 200 kha magazini kana guranṋa. Dzi nambatedzeni haf'ha dzi tshi tevhekana u bva kha khulwanesa u ya kha ṱhukhusa.

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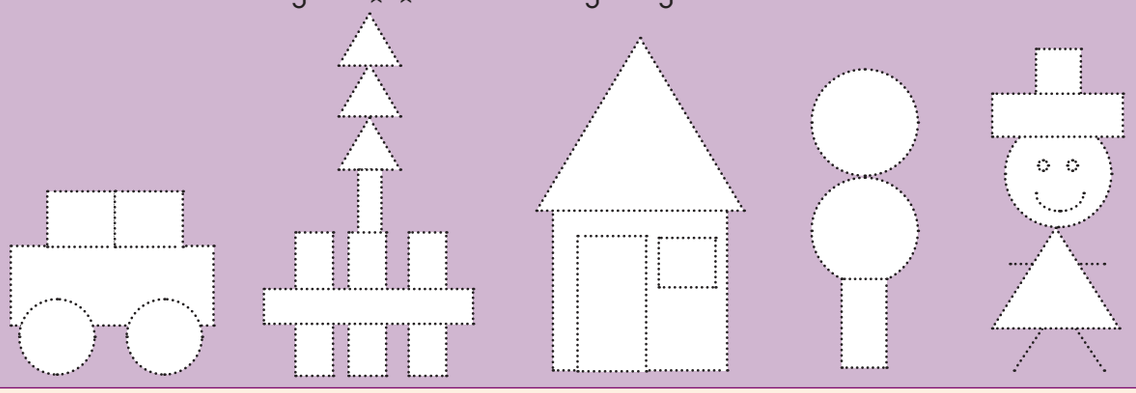
Zwivhumbeo zwa 2-D

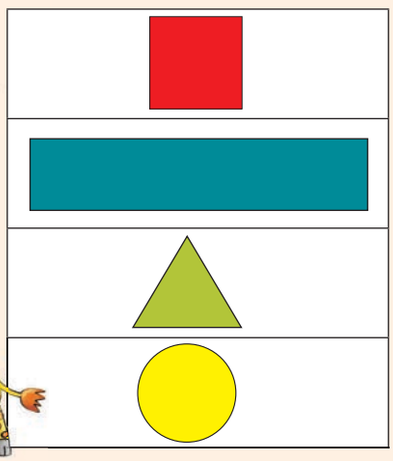
Deithi:

Tevhedzelani zwivhumbeo zwoṱhe. Khaḽarani zwitendeledzi nga muvhala mutswuku, thiraiengele nga muvhala mudala, zwikwea nga wa ṱaḓa na rekithiengele nga wa lutombo.





Livhanyani ipfi na tshivhumbeo.

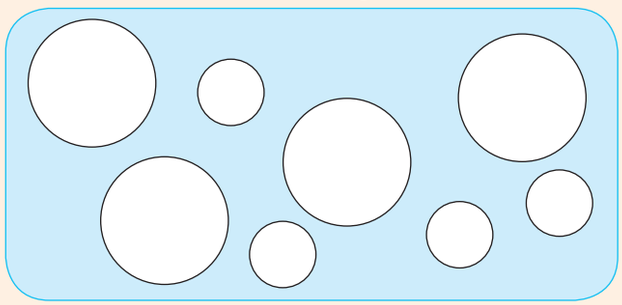




thiraiengele
tshitendeledzi
tshikwea
rekithiengele

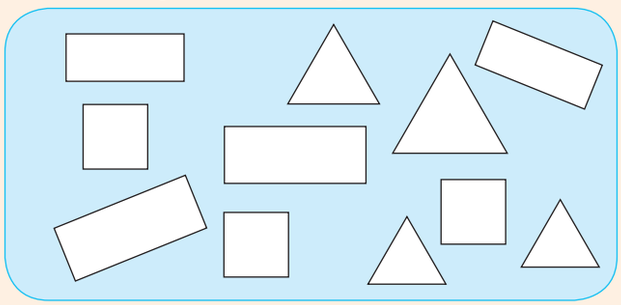
Khaḽarani:

- Zwitendeledzi zwihulwane nga muvhala mutswuku
- Zwitendeledzi zwiṱuku nga muvhala wa ṱaḓa



Khaḽarani:

- Rekithiengele khulwane nga muvhala mutswuku
- Rekithiengele ṱhukhu nga muvhala wa ṱaḓa



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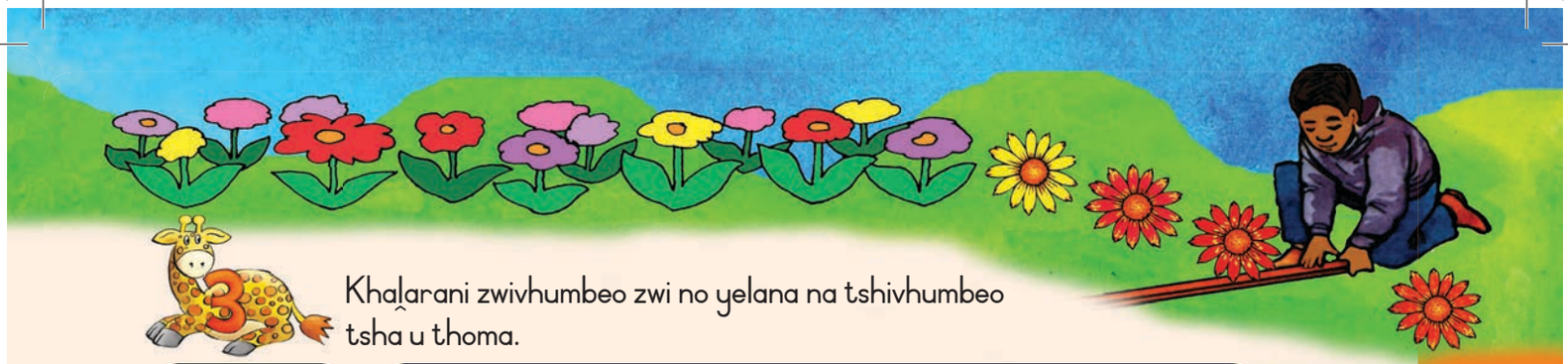
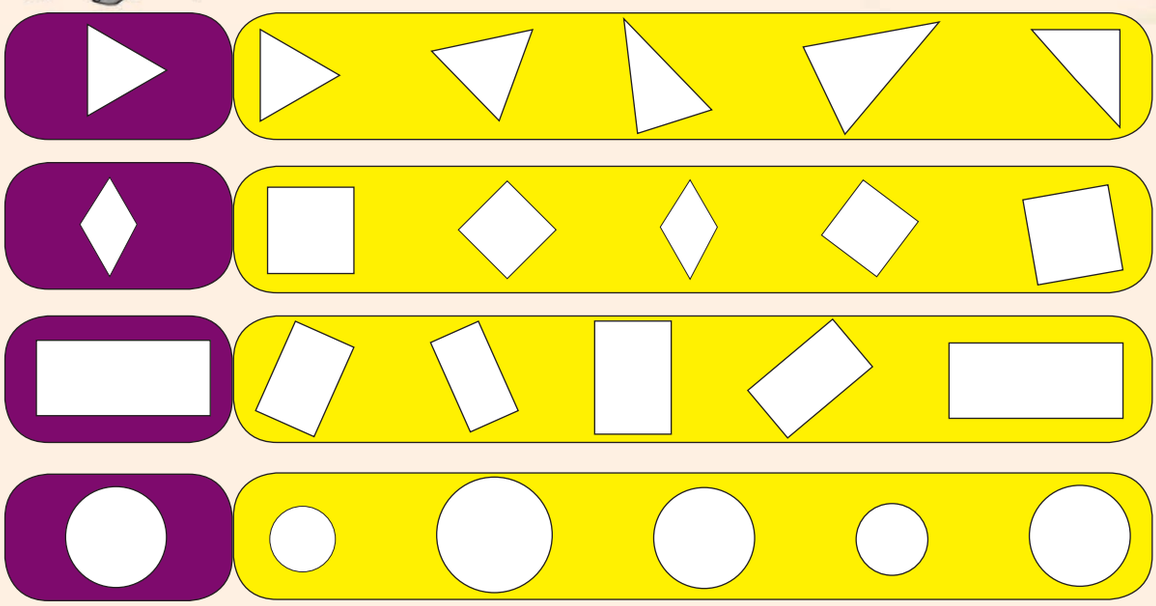


Khaḽarani zwivhumbeo zwi no yelana na tshivhumbeo tsha u thoma.



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

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

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100

Deithi:



Nomboro 0 – 200

Themo ya 4

Ndi nomboro nngana dzo fhambananaho dzine na nga vhumba.

100	40	2
50	100	100
9		
20	1	70
		8



Fhedzisani zwi tevhelaho.

100 40 9	100 70 3	100 20 8
100 + 40 + 9 = ☐	100 + 70 + 3 = ☐	100 + 20 + 8 = ☐
100 10 7	100 90 2	
100 + 10 + 7 = ☐	100 + 90 + 2 = ☐	



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

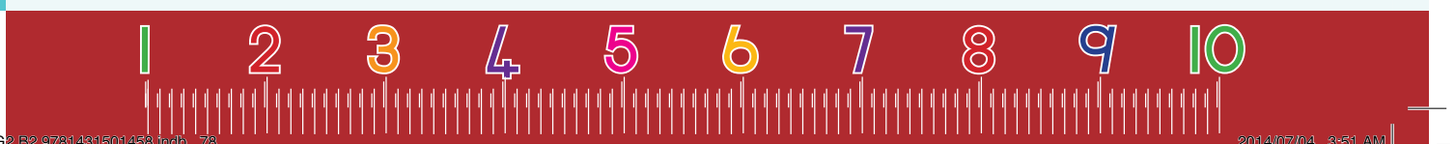
181 = ☐ + ☐ + ☐

144 = ☐ + ☐ + ☐

135 = ☐ + ☐ + ☐

156 = ☐ + ☐ + ☐

169 = ☐ + ☐ + ☐



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Ṱanganyani zwi tevhelaho.

60 + 4 = ☐

90 + 8 = ☐

40 + 7 = ☐

30 + 6 = ☐

50 + 2 = ☐

100 + 20 + 3 = ☐

100 + 40 + 9 = ☐

100 + 70 + 8 = ☐

100 + 60 + 1 = ☐

100 + 50 + 5 = ☐

Dzhenisani nomboro dzo ṱahelaho.

70 + ☐ = 71

30 + ☐ = 38

60 + ☐ = 69

20 + ☐ = 24

80 + ☐ = 85

100 + ☐ + 3 = 153

100 + ☐ + 9 = 169

☐ + 70 + 8 = 178

100 + ☐ + 1 = 191

100 + 50 + ☐ = 157



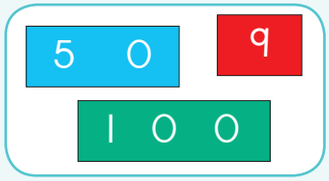
Itani ṱhanganyelo dzaṋu inwi muṋe ni tshi shumisa maḓana, mahumi na dziyuniti.

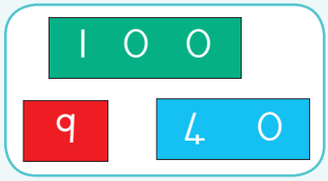
☐ + ☐ + ☐ = ☐

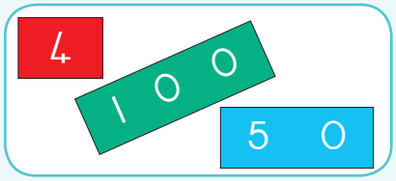
☐ + ☐ + ☐ = ☐



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







Teacher:

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Date:

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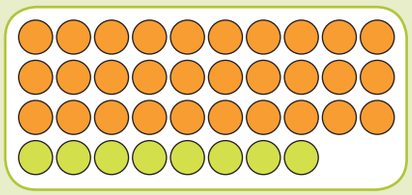
101

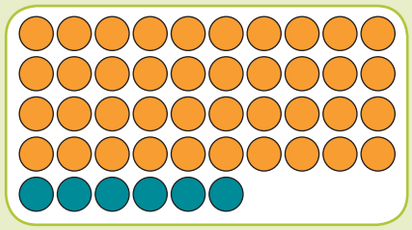
Muṱanganyo na Muṱuso

Deithi:

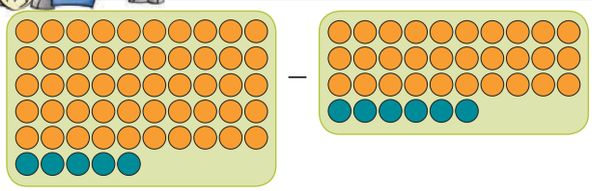
Lavhelesani bodo ya nomboro na malungu. Ambani ngazwo.

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

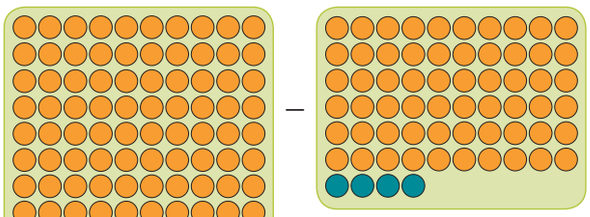




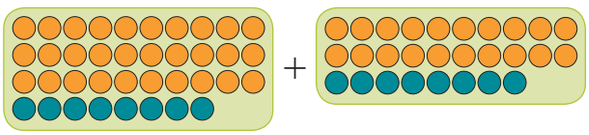
Ṱanganyani kana ni ṱuse malungu.



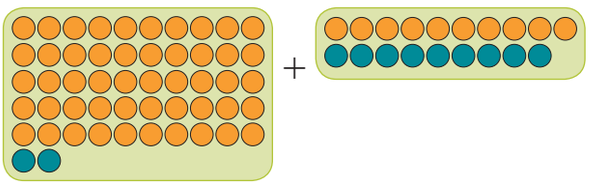
50 5 − 30 6
= 40 + 15 − 30 − 6
= 10 + 9
= 19



= + − −
= + − −
= +
=



+ +
= + +
= + + +
= +
=



+ +
= + +
= +
=

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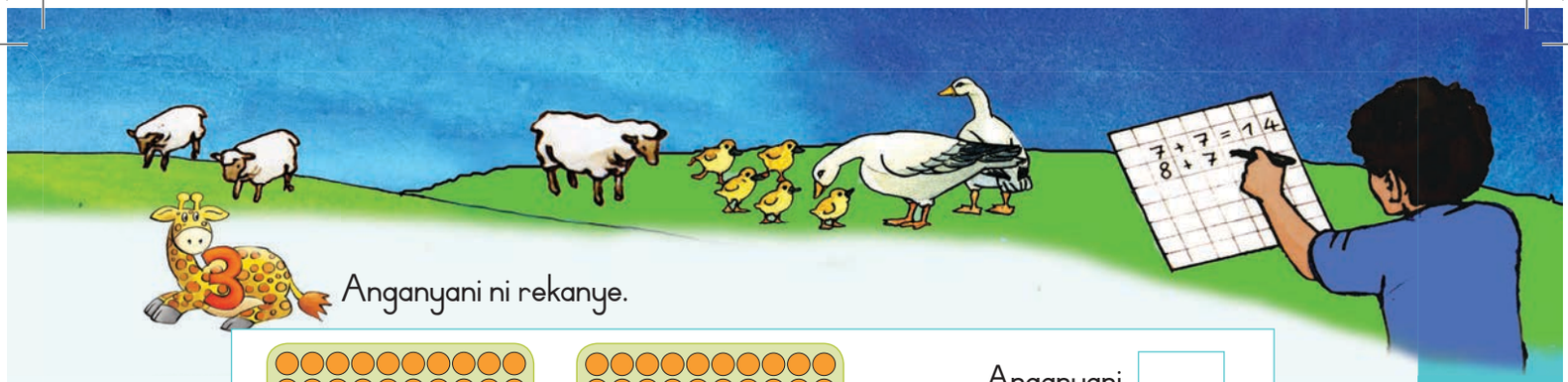
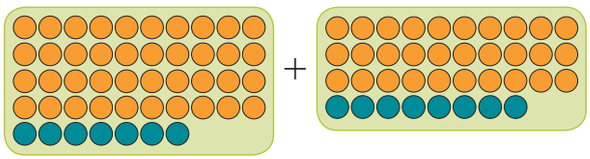
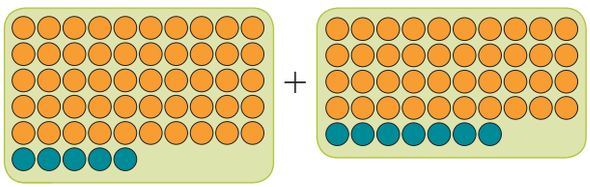


Anganyani ni rekanye.



Anganyani ☐

Rekanyani ☐



Anganyani ☐

Rekanyani ☐



Shumani mbalo ni tshi shumisa ndila yaṋu.

53 + 39	92 – 48

Ṱanganyani 39 na 29. ☐

43 na 19 dzi ita mini? ☐

45 yo ṱuswa kha 74 i vha mini. ☐

82 ho ṱuswa 69 i vha mini? ☐

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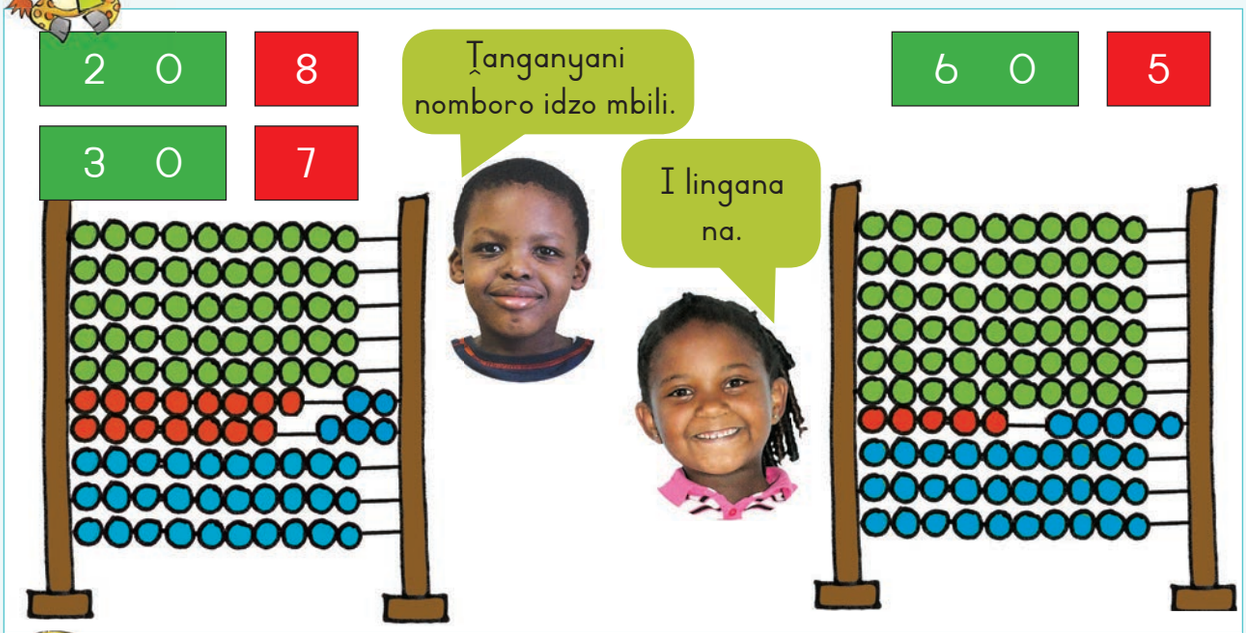
102

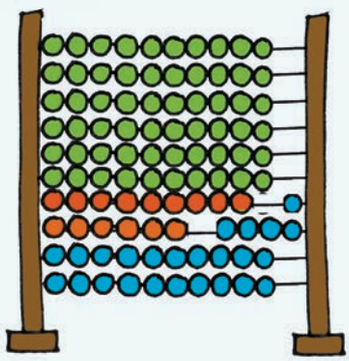
Muṱanganyo na muṱuso hafhu

Deithi:

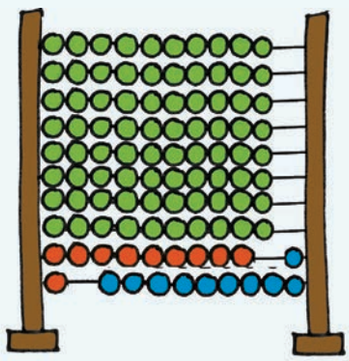
1 Lavhelesani abakhasi i re kha tsha monde na tsha u ḽa. Ni vhona mini?



2 Ṅwalani mbalo ya u ṱanganya na u ṱusa. I rekanyeni.



Mbalo ya muṱanganyo	Mbalo ya muṱuso



Mbalo ya muṱanganyo	Mbalo ya muṱuso

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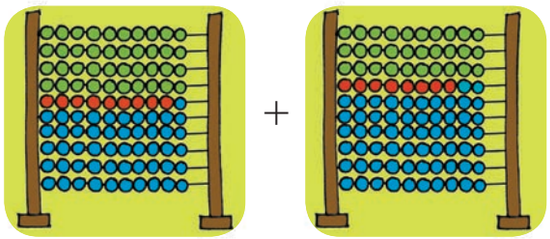
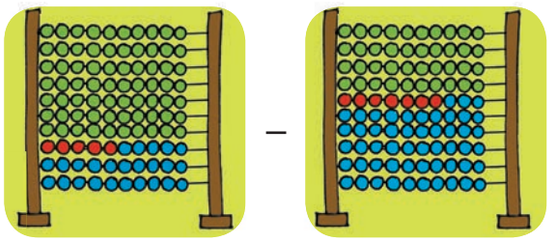
Anganyani ni rekanye.



Anganyani ☐

Rekanyani ☐



Anganyani ☐

Rekanyani ☐

Rekanyani ni tshi shumisa ndila yanu.

58 + 35	34 – 26

74 na 19 dzi ita mini? ☐ ☐

Bvisani 34 kha 72. ☐ ☐

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

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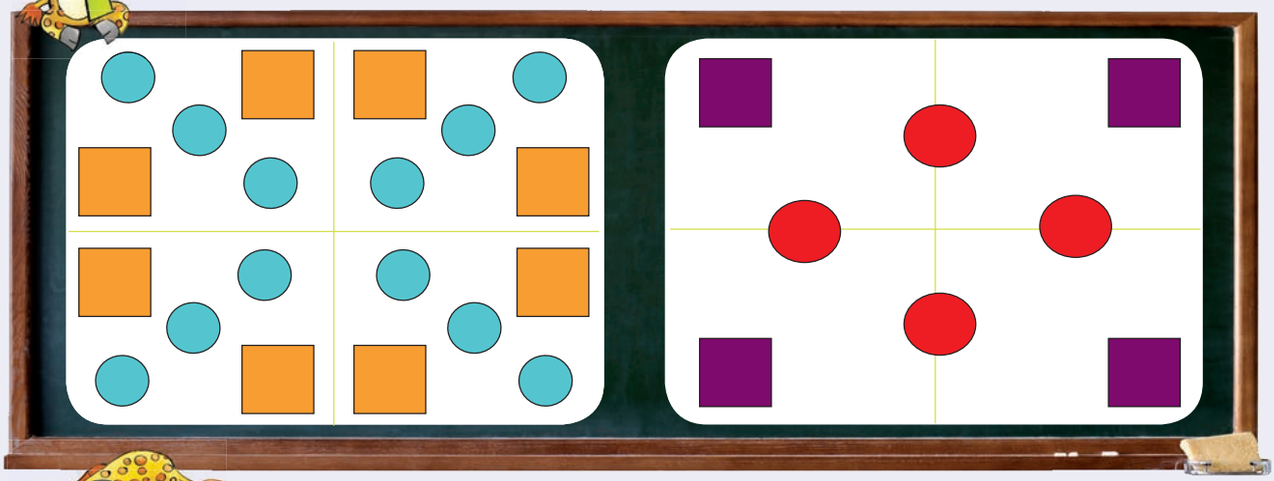
103

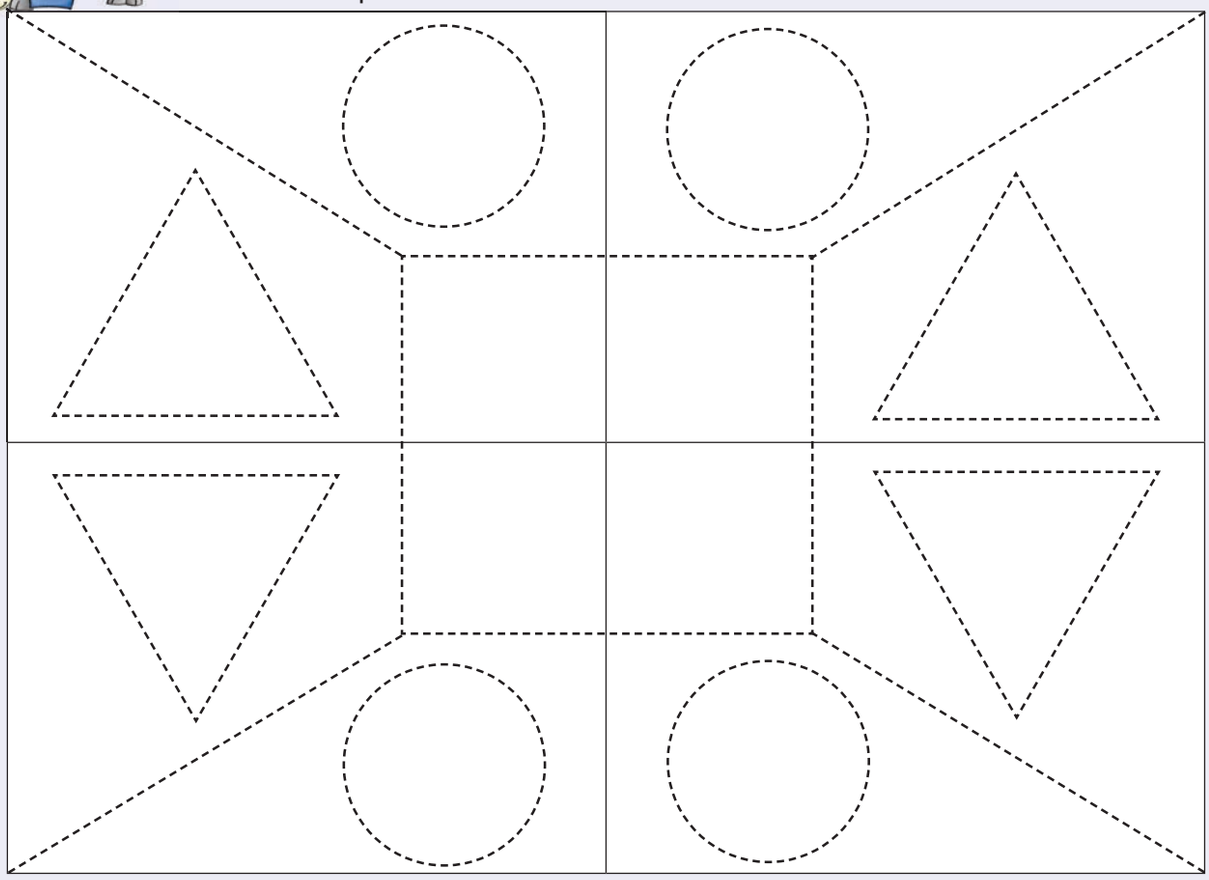
Deithi:

Zwiṅwe haf hu nga phetheni dza nomboro na zwivhumbeo

1 Ṱalutshedzani phetheni.



2 Tevhedzelani phetheni ni i khaḽare.



1 2 3 4 5 6 7 8 9 10

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Tevhedzelani phetheni ni i khaḽare.

Itani phetheni yaṋu inwi muṋe ni tshi shumisa zwivhumbeo.

Teacher:
Sign:
Date:

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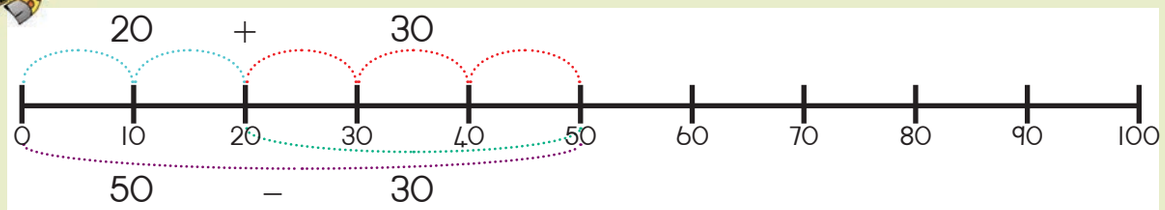
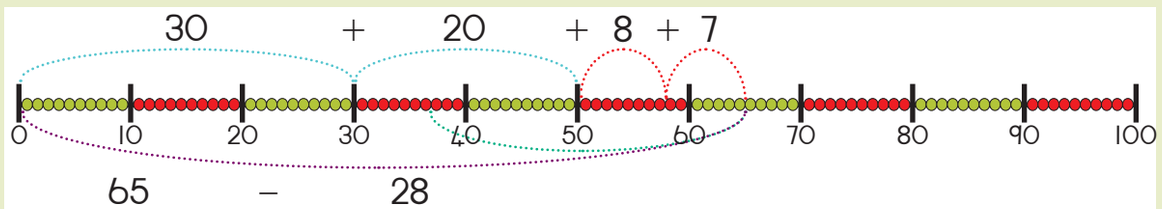
104

Muṱanganyo na Muṱuso

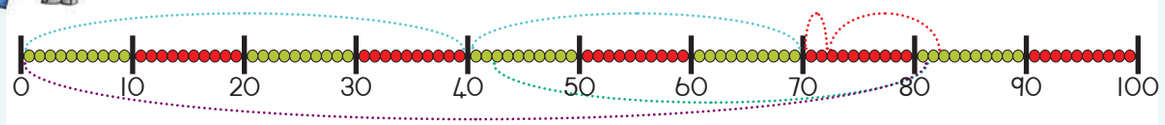
Deithi:

Lavhelesani mitalombalo. Ambani ngayo.

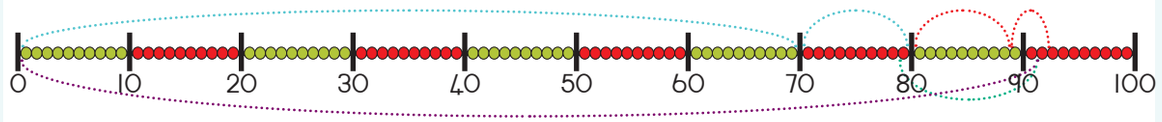




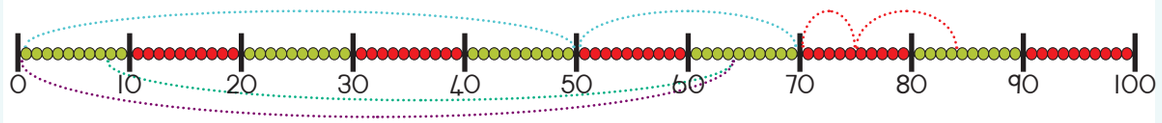
Nwalani mbalo ya muṱanganyo na muṱuso ni tshi shumisa mutalombalo.



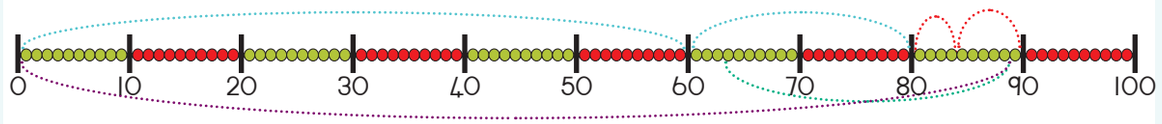
Mbalo ya muṱanganyo: _____ Mbalo ya muṱuso: _____



Mbalo ya muṱanganyo: _____ Mbalo ya muṱuso: _____



Mbalo ya muṱanganyo: _____ Mbalo ya muṱuso: _____



Mbalo ya muṱanganyo: _____ Mbalo ya muṱuso: _____

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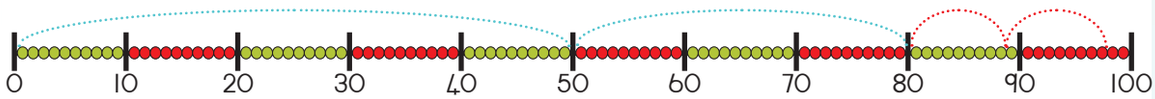
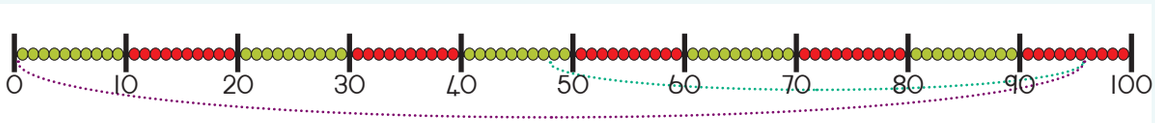
3 Anganyani ni rekanye tshivhalo tsha malungu.



Anganyani: _____ Rekanyani: _____



Anganyani: _____ Rekanyani: _____

4 Rekanyani ni tshi shumisa ndila yaṋu.

74 + 18	72 – 43

82 na 9 dzi ita mini? ☐ ☐

Bvisani 44 kha 52. ☐ ☐

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Muṱanganyo na muṱuso hafhuhafhu

Deithi:

1 Linganyisani masia.

10 + 4 + 5 = 9 + ☐ + ☐



90 – 50 = ☐ – 20



2 Fhedzisani zwi tevhelaho.

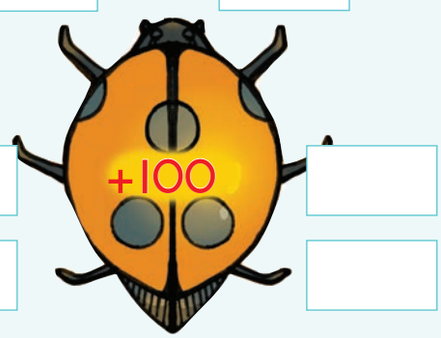
ho ingwa nga 1	
6	7
5	
3	
9	
2	
7	
4	
8	

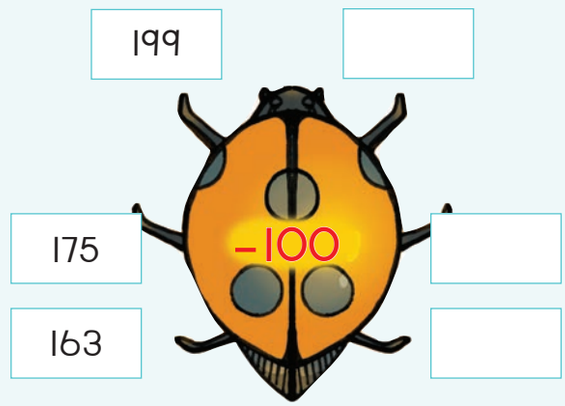
ho fhungudzwa nga 1	
4	3
8	
10	
9	
2	
7	
6	
3	

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

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

3 Ṱharamudzani phetheni.





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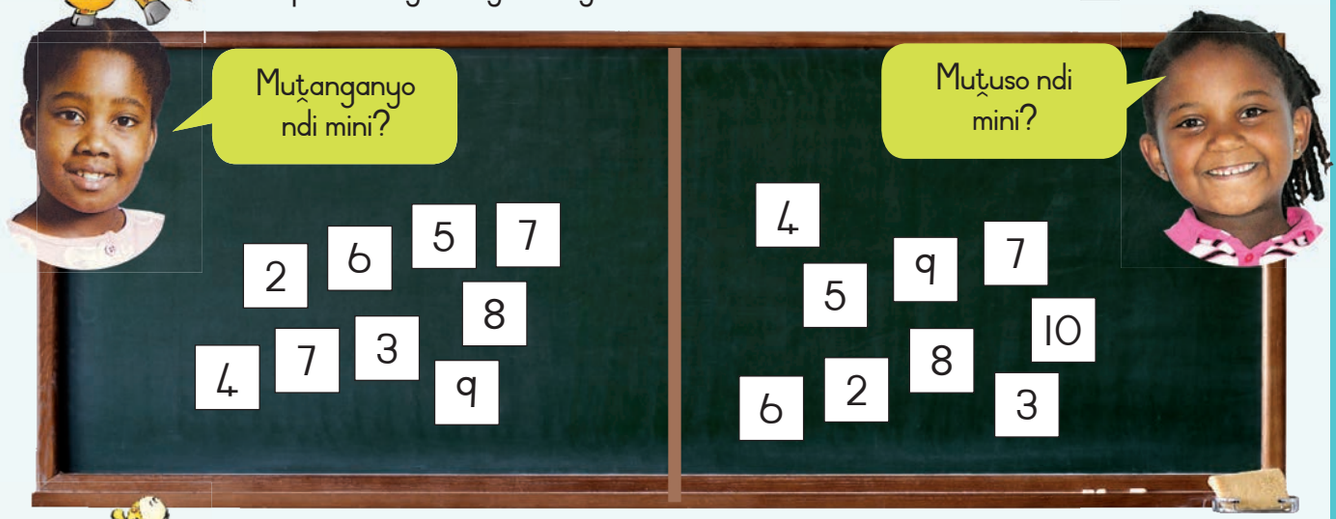
Itani mbalo dza 5 ni tshi shumisa nomboro idzi na zwiga izwi. Ni nga kha ḓi shumisa nomboro nthihi luvhili.

9	0	–	2	0	+		5	
1	0	0		4		3		3	0

Lavhelesani nomboro ni ite mbalo nnzhi dzo waniwaho nga muṱanganyo na muṱuso dzine phindulo yadzo ya vha yo ṅwalwa kha bodo, tsumbo: $3 + 4 = \boxed{7}$.



Rekanyani zwi tevhelaho ni tshi shumisa ndila yaṋu. Sumbedzani mirekanyo yoṱhe.

48 + 36	85 – 59

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

Ndo vhulunga R42 nahone khotsi anga vha mpha R29. Ndi na vhugai?	Ndi na R78 nahone ndo renga tshiṱeshenari tsha R34. Ndo salelwa nga vhugai?

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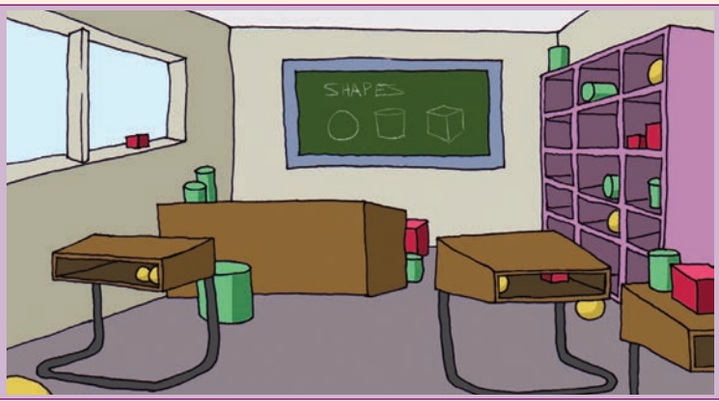
Zwithu zwa 3-D

Deithi:

Mabogisi, bola na silinda zwi ngafhi?





Ambani uri ndi bogisi, bola kana silinda naa.















Wanani zwifanyiso zwa zwithu zwi tevhelaho ni zwi nambatedze hafha.

Bola	Bogisi	Silinda

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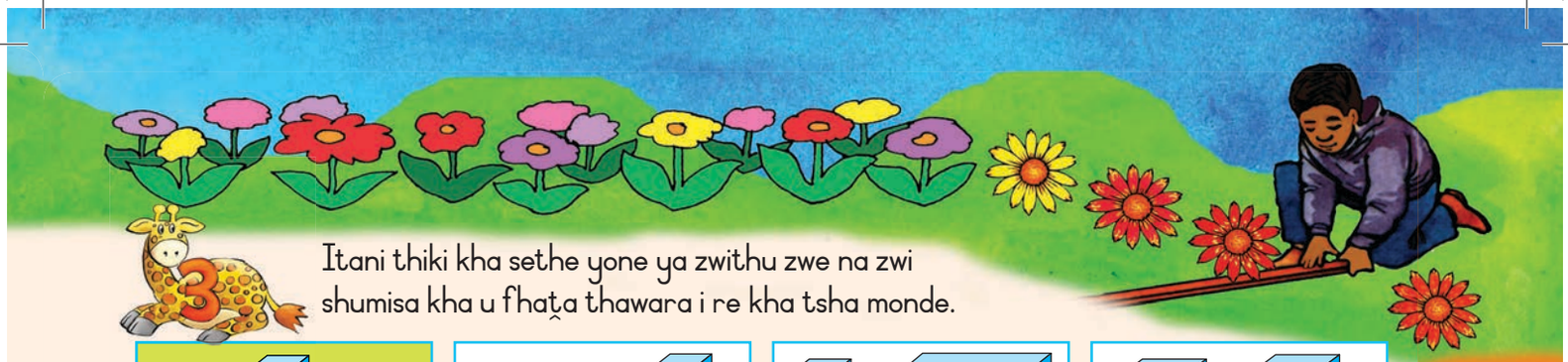
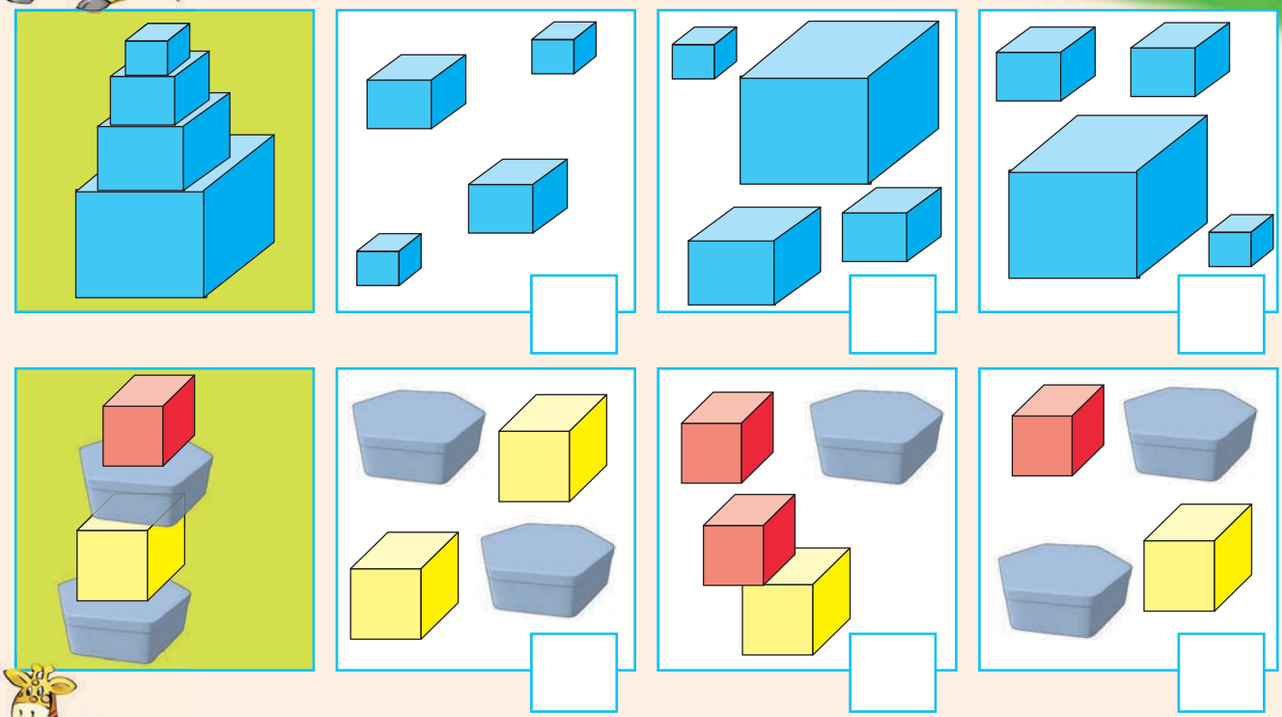
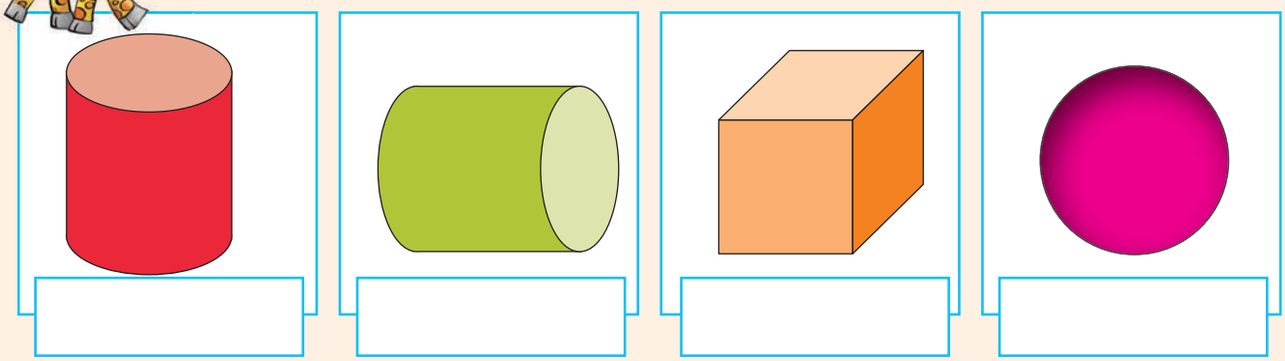


Itani thiki kha sethe yone ya zwithu zwe na zwi shumisa kha u fhaṱa thawara i re kha tsha monde.



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



Afho muḓini wa haṋu kana huṅwevho hu na zwithu zwi no nga:

- Siḽinda _____
- Bola _____
- Mabogisi _____

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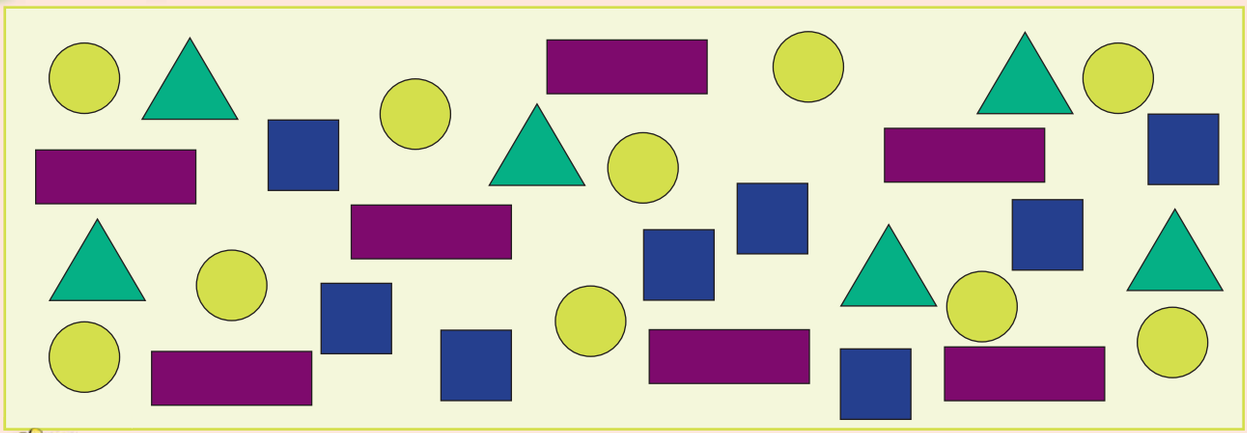
Data hafhuhafhu

Deithi:





Nanguludzani zwivhumbeo. Olani nyolo yaṋu ya u zwi sumbedza.
Ṅwalani ṱhanganyelo tshibogisini.

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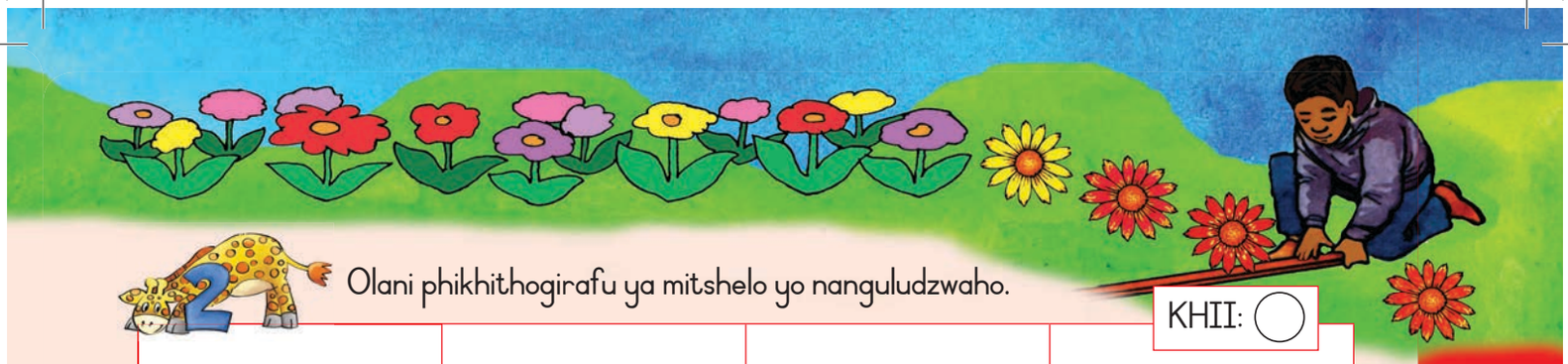

2 Olani phikhithogirafu ya mitshelo yo nanguludzwaho.

KHII: ◯

●	■	▬	▲

3 Khaḽarani zwibuḽoko ni tshi fhedzisa girafubaphathi yaṋu

●	■	▬	▲

Hu na zwitendeledzi zwingana? ☐

Hu na zwikwea zwingana? ☐

Hu na rekithiengele nngana? ☐

Hu na thiraiengele nngana? ☐



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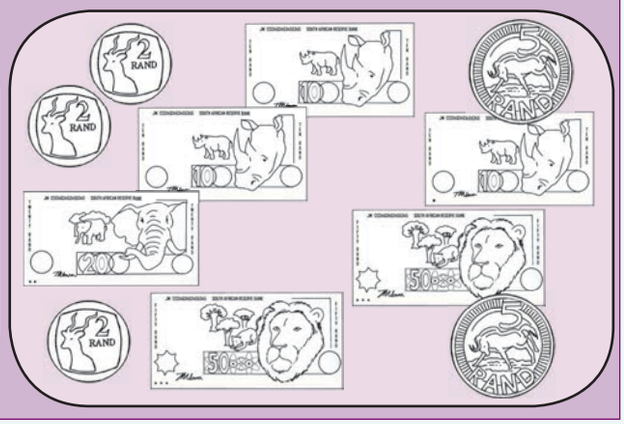
U rekanga tshelede

Deithi:

Khaḽarani khoini dzine dza ḓo ita 95c.



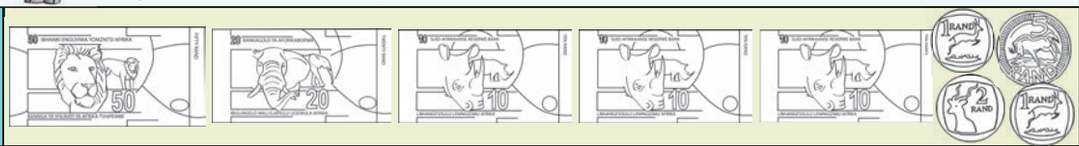
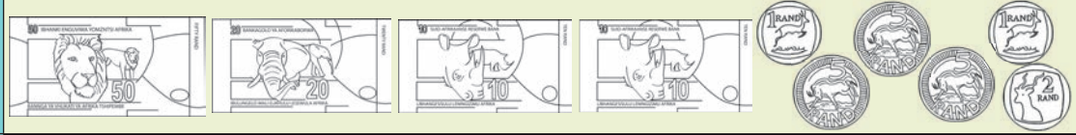
Khaḽarani tshelede ya mabammbiri ine ya ḓo ita R99.



Khaḽarani khoini dzi no ḓo n i f'ha? Uyu ndi wone muvango u wo̱the?

		Ee	Hai
75c			
85c			
90c			

Khaḽarani dzikhoini na dzinoutu dzine dza ḓo ni f'ha zwi tevhelaho:
Uyu ndi wone muvango u wo̱the?

		Ee	Hai
R87			
R75			
R94			

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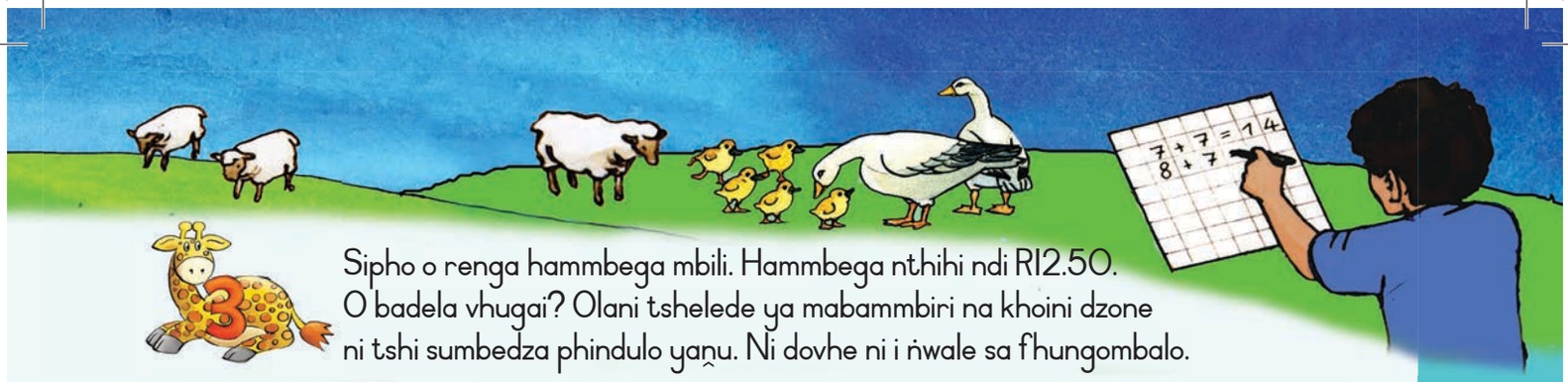


Sipho o renga hammbega mbili. Hammbega nthihi ndi RI2.50. O badela vhugai? Olani tshelede ya mabammbiri na khoini dzone ni tshi sumbedza phindulo yaṋu. Ni dovhe ni i ṅwale sa fhungombalo.

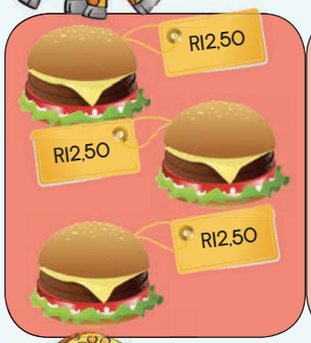




Fhungombalo:
RI2,50 + RI2,50 =



Arali Sipho a nga renga hammbega idzi?



Fhungombalo:



Arali Sipho a nga renga hammbega nṋa?



Fhungombalo:



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

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Tandululani mbalo dza tshelede

Deithi:

Ndi nga wana vhugai arali nda na rengisa tshokoḽeithi dza 10? Lavhesani zwifanyiso ni ise phanḓa na phetheni.

Tshokoḽeithi ya 1



Tshokoḽeithi dza 2



Tshokoḽeithi dza 3



Tshokoḽeithi dza 4





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

Tshivhalo tsha hothidogo	1	2	3	4	5	6	7	8	9	10
Khoini										
Mutengo (mbadelo) nga rannda	R4									



Arali Shumani a nga rengisa hothidogo iṅwe na iṅwe nga R5?

Tshivhalo tsha hothidogo	1	2	3	4	5	6	7	8	9	10
Khoini										
Mutengo (mbadelo) nga rannda	R5									



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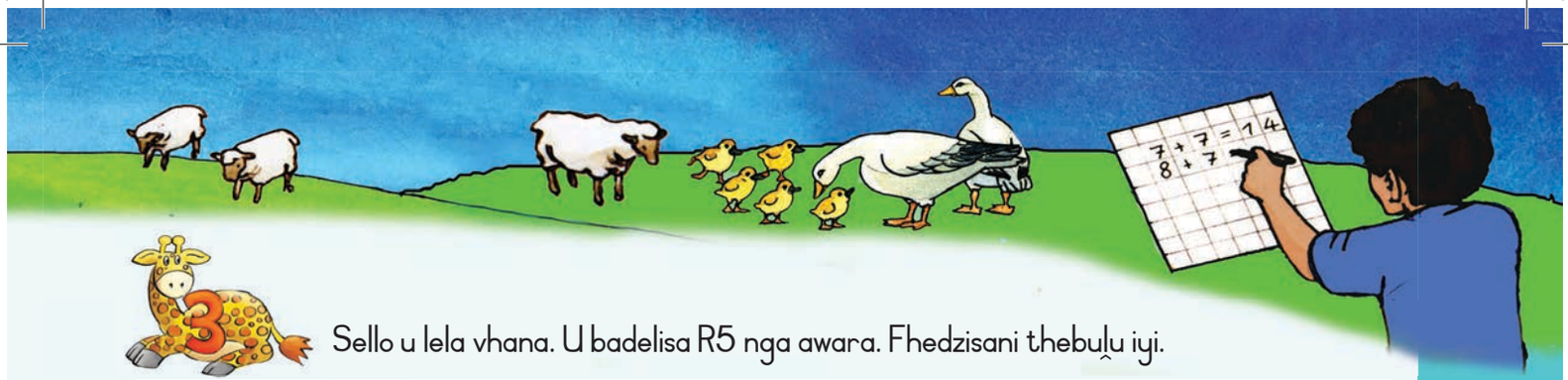

Sello u lela vhana. U badelisa R5 nga awara. Fhedzisani thebuḽu iyi.

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



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

Tshivhalo tsha awara	1	2	3	4	5	6	7	8	9	10
Mutengo nga rannda	10	20								



Olani tshifanyiso tshi no sumbedza uri Sello u badelisa vhugai arali o shuma mishumo ya 8 ya u lela vhana.



Ni khou ṱoḓou renga mafini dza 10. Iṅwe na iṅwe i ḓura R10.
Ni ḓo badela vhugai ni tshi renga mafini dza 1, 2, 3, 4, 5, 6, 7, 8, 9 kana 10?
Zwi sumbedzeni kha thebuḽu kha bammbiri ḽa dubo.

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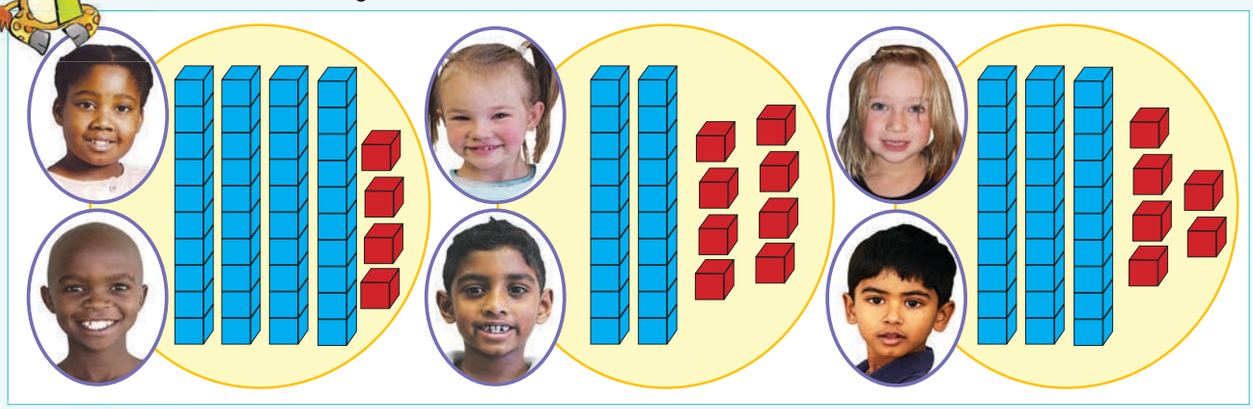
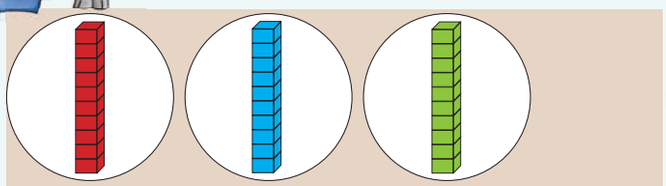
U ita zwigwada na u kovhana

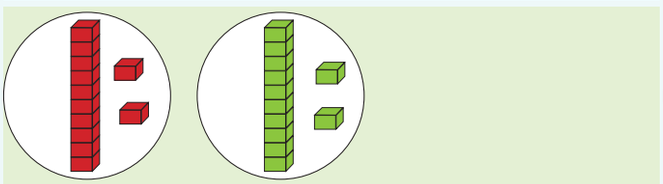
Deithi:

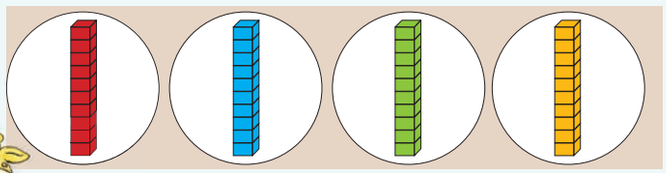
1 Hu na zwibuḽoko zwingana kha tshitendeledzi tshiṅwe na tshiṅwe? Zwi kovheni vhukati ha vhana.

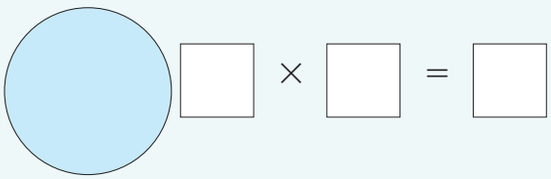


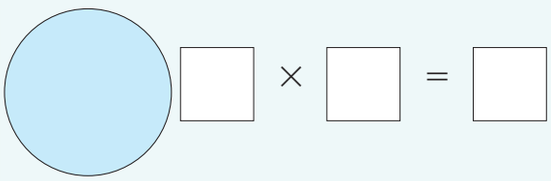
2 Ndi zwibuḽoko zwingana zwi re kha tshitendeledzi tshiṅwe na tshiṅwe? Ṅwalani ṱhanganyelo i re kha tshitendeledzi tsha lutombo.

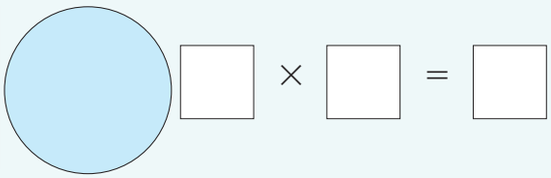




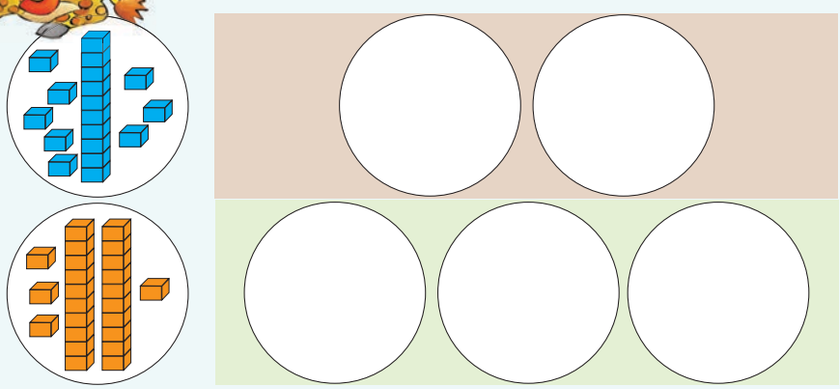








3 Kovhani zwibuḽoko kha zwitengeledzi.







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Olani zwi tevhelaho. Ṅwalani mbalo ya tshiṅwe na tshiṅwe.

zwigwada zwa 3 zwa 2

+ Mbalo ya u ṱanganyisa:

× Mbalo ya u andisa:

zwigwada zwa 4 zwa 10

+ Mbalo ya u ṱanganyisa:

× Mbalo ya u andisa:

Kovhani zwivhaleli zwa 12 kha vha 4.

− Mbalo ya u ṱusa:

÷ Mbalo ya u kovha:

Kovhani zwivhaleli zwa 12 kha vha 3

− Mbalo ya u ṱusa:

÷ Mbalo ya u kovha:

Vhalelani.

zwigwada zwa 2 zwa 7 _____

zwigwada zwa 3 zwa 8 _____

zwigwada zwa 4 zwa 5 _____

zwigwada zwa 2 zwa 15 _____

Kovhani 18 nga 2 _____

Kovhani 24 nga 3 _____

Kovhani 35 nga 5 _____

Kovhani 50 nga 10 _____

davhulu kovhani.

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Khaphasithi dziṅwe hafhu

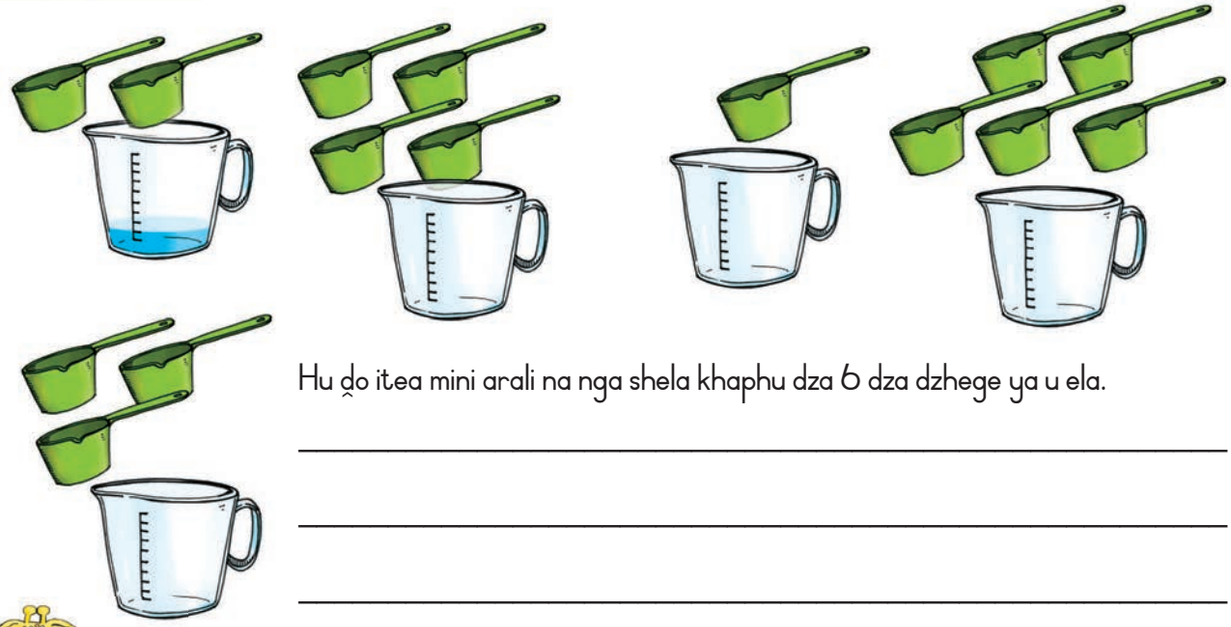
Deithi:

Lavhelesani zwifanyiso. Vhana vha khou ita mini?





2 Lebula dzi ḓo ḓadza dzhege u swika ngafhi? Khaḽarani.



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

_____

_____

_____

3 Ni nga ḓadza nga khaphu nngana dza maḓi?

dzhege dza 2 _____ dzhege dza 3 _____

dzhege dza 4 _____ dzhege dza 5 _____

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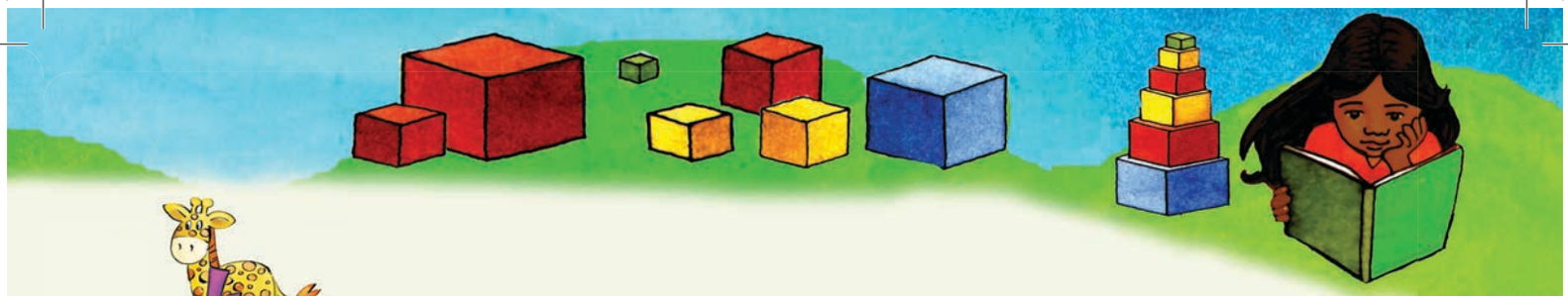
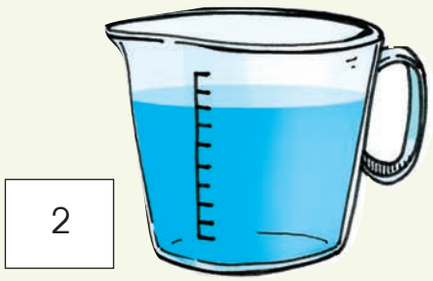
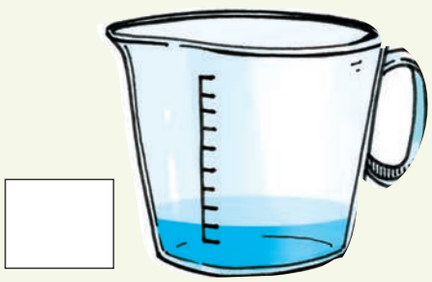
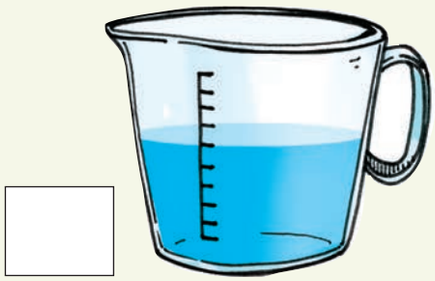


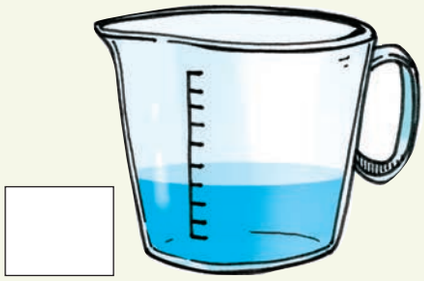
Ndi lebula nngana hafhu dzine na ḓo ṱoḓa uri ni ḓadze khaphu ya u ela?



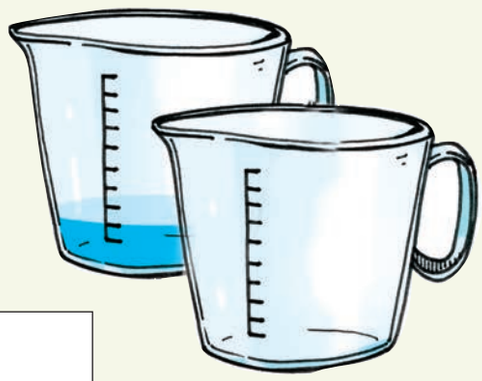
2











Wanani tshifanyiso tsha zwifaredzi zwi no lingana ḽitha ya 1, ḽitha dza 2 na ḽitha dza 5. Nambatedzani zwifaredzi izwi hafha kana kha bugu ya ndowedzo. Zwi nambatedzeni zwi tshi tevhekana u bva kha zwifaredzi zwi no hwala zwithu zwinzhi u ya kha zwifaredzi zwi no fara zwithu zwiṱuku.

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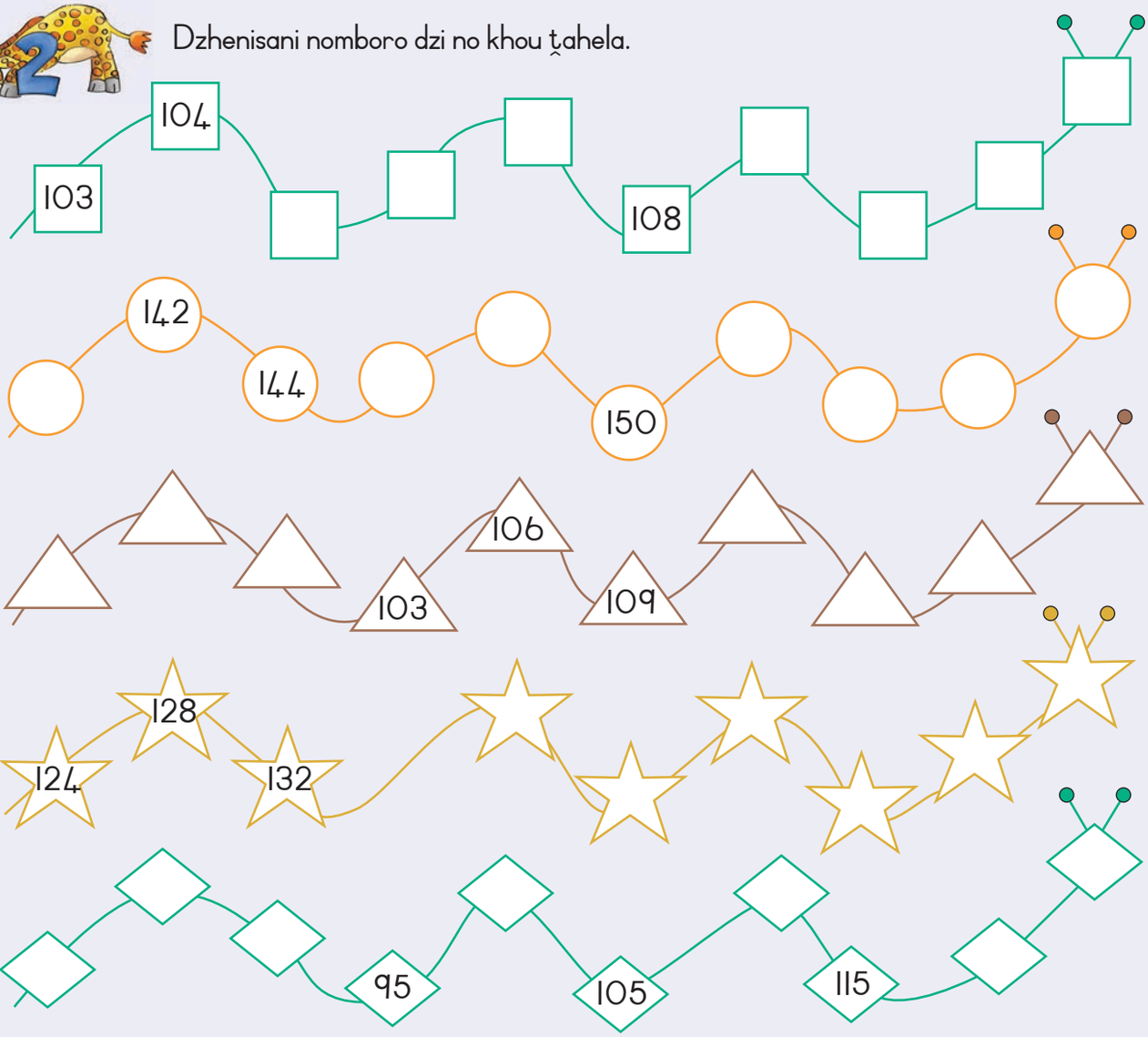
Phetheni dza nomboro

Deithi:

1 Vheani magaraṱa a tshi tevhekana nga ngona. Ri thoma kha ṱhukhu ri tshi ya kha khulwane, ha tevhela khulwane ri tshi ya kha ṱhukhu.

5	3	8	1	9	7	6	2	4
61	66	64	69	62	68	67	63	65
136	132	140	138	131	135	133	137	134	139

2 Dzhenisani nomboro dzi no khou ṱahela.



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Fhedzisani zwi tevhelaho ni tshi vhala ni tshi humela murahu.

128	126	124			118				
160	157	154							
200	195	190							

Fhedzisani zwi tevhelaho:

100, 102, 104, ___, ___, ___, ___, ___

160, 155, 150, ___, ___, ___, ___, ___

115, 118, 121, ___, ___, ___, ___, ___

200, 190, 180, ___, ___, ___, ___, ___

Fhedzisani mutalombalo.

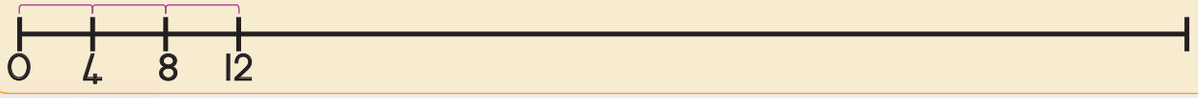
2 + 2 + 2



3 + 3 + 3



4 + 4 + 4



Ri vhala nga mini?

4		20
	8	
16		12

2		14
	8	12
10	4	6

5		15
30	25	20
	10	

3	15	21
		6
18	9	12

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Muandiso wa 3

Deithi:

Phukha dzoṱhe dzi na milenzhe ya 4.

Phukha dzoṱhe dzi na ndevhe 2.



Tshivhalogutshe tsha milenzhe tshifanyisoni itshi ndi tshifhio? ☐

Tshivhalogutshe tsha ndevhe tshifanyisoni itshi ndi tshifhio? ☐



Lavhelesani tshifanyiso ni fhedzise zwi tevhelaho.



☐ × ☐ = ☐

Tshivhalo tsha mbevha | Milenzhe nga tshipuka

☐ × ☐ = ☐

Tshivhalo tsha mbevha | Milenzhe nga tshipuka



Fhedzisani zwi tevhelaho:

3	6	9							
30	27	24							



Fhedzisani zwi tevhelaho:

5 ×  = maapula a ☐

4 ×  = miomva ya ☐

6 ×  = miomva ya ☐

7 ×  = maapula a ☐



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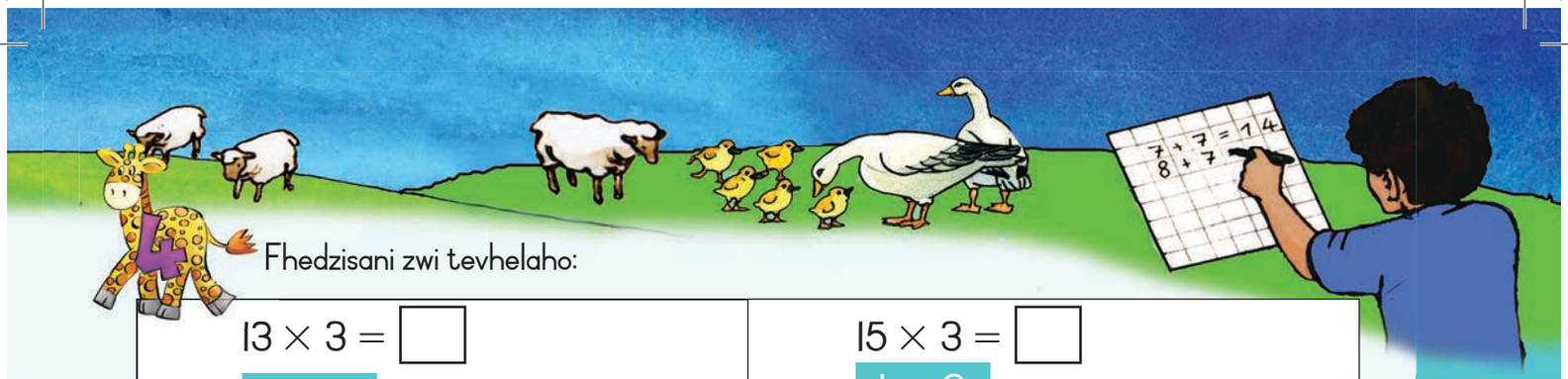


Fhedzisani zwi tevhelaho:

$13 \times 3 = \square$

$10 + 3 \times 3$

$= (10 + 3) \times 3$

$= 10 \times 3 + 3 \times 3$

$= 30 + 9$

$= 39$

$15 \times 3 = \square$

$10 + 5 \times 3$

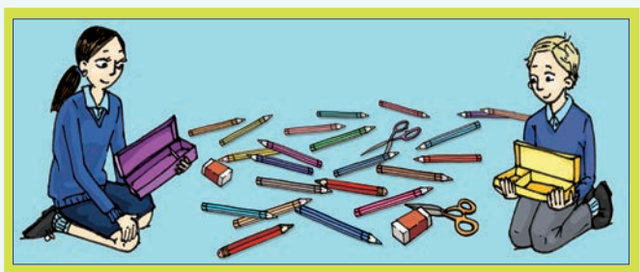
$= \square + \square \times \square$

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

$= \square + \square$

$= \square$

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



Fhedzisani zwi tevhelaho:

Kovhelani tshokoleithi iyi vhana vha 2 nga u ḓana.



Muṅwe na muṅwe u wana ____

Kovhelani maḽegere a 15 vhana vha 3 nga u ḓana.



Muṅwe na muṅwe u wana ____

Olani tshifanyiso ni tshi sumbedza phindulo dzaṋu.

Kovhelani thofi dza 9 vhana vha 3 nga u ḓana.

Muṅwe na muṅwe u wana ____

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

Muṅwe na muṅwe u wana ____

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Muandiso wo vanganaho

Deithi:

Lavhelesani zwi tevhelaho. Ni vhona mini?

5 + 5 + 5 = 15



zwikhuvhugu zwa 3 zwa 5 = 15



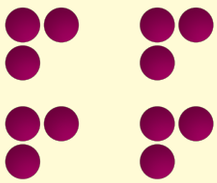
3 andisa nga 5 = 15

zwigwada zwa 3 zwa 5 ndi 15

3 × 5 = 15
5 × 3 = 15



Fhedzisani thebuḽu i re afho fhasi. Tsumbo i ḓo ni dededza.

Pfukani u vhala	Zwigwadazwieḓani	Muṱanganyomudovholola	Mitevhe	Mbuno
3, 6, 9, 12		3 + 3 + 3 + 3	rou dza 3 dza 4 × × × × × × × × × × × ×	3 × 4 = 12 4 × 3 = 12
		4 + 4 + 4		
				6 × 5 = 30 5 × 6 = 30
2, 4, 6, 8, 10, 12				

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Zwi nga dzhia tshifhinga tshingafhani u ita zwi tevhelaho?

1 × 2 =	
2 × 2 =	
3 × 2 =	
4 × 2 =	
5 × 2 =	
6 × 2 =	
7 × 2 =	
8 × 2 =	
9 × 2 =	
10 × 2 =	

1 × 5 =	
2 × 5 =	
3 × 5 =	
4 × 5 =	
5 × 5 =	
6 × 5 =	
7 × 5 =	
8 × 5 =	
9 × 5 =	
10 × 5 =	

Fhindulani mbudziso dzi tevhelaho.

ṱhanu nṋa	
6 kavhili (davhulu)	
6 andisa nga 5	
2 andisa nga 4	
8 andisa nga 2	

Dzhenisani nomboro vhudzuloni ha pfarelavhudzulo.

zwigwada zwa 3 zwa 2 ndi 6 kana 3 andisa nga 2 ndi 6 kana 3 × 2 = ☐	
zwigwada zwa 4 zwa 3 ndi 12 kana 4 andisa nga 3 ndi 12 kana 4 × 3 = ☐	
zwigwada zwa 6 zwa 3 ndi 18 kana 6 andisa nga 3 ndi 18 kana 6 × ☐ = 18	

Mbalo (thaidzo): Hu na zwivhaleli zwiraru kha rou. Hu na rou dza 4. Hu na zwivhaleli zwingana zwo ṱangana zwoṱhe? Olani tshifanyiso ni tshi sumbedza phindulo yaṋu.

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Muandiso muṅwe hafhu

Deithi:

Sedzani tsumbo.



Muandiso ndi mini?

25 – 10 – 2013

$4 \times 2 =$ 8

$3 \times 4 =$ 12

$4 \times 5 =$ 20

$2 \times 6 =$ 12

2 andisa nga 7 ndi vhugai?

$1 \times 5 = 5$
$2 \times 5 = 10$
$3 \times 5 = 15$
$4 \times 5 = 20$
$5 \times 5 = 25$
$6 \times 5 = 30$
$7 \times 5 = 35$
$8 \times 5 = 40$
$9 \times 5 = 45$
$10 \times 5 = 50$

Fhedzisani:

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

Shumisani ndila yaṉu kha u tandululula izwi.

12 × 2	16 × 2

Fhedzisani

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

Shumisani ndila yaṉu kha u tandululula izwi.

13 × 3	15 × 3

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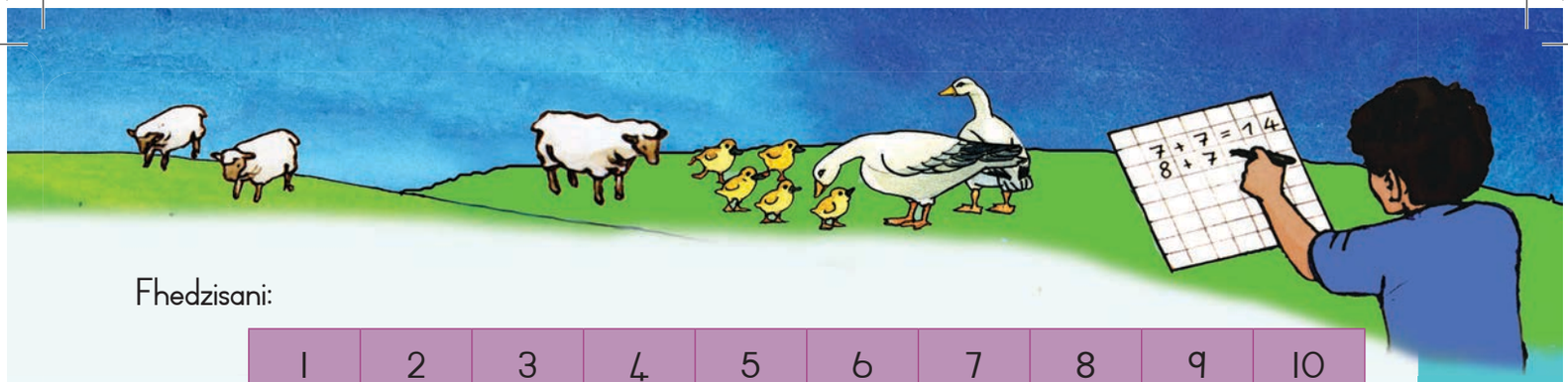

Fhedzisani:

	1	2	3	4	5	6	7	8	9	10
× 4	4	8	12							

Shumisani ndila yaṋu kha u tandulula izwi.

11 × 4	14 × 4

Fhedzisani:

	1	2	3	4	5	6	7	8	9	10
× 5	5	10	15							

Shumisani ndila yaṋu kha u tandulula izwi.

12 × 5	16 × 5



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

Zwikedzini zwa 4? Zwikedzini zwa 5? Zwikedzini zwa 3? Zwikedzini zwa 2?

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Deithi:

Maḓuvha a vhege

Themo ya 4

Dzudzanyani maḽeḓere a maḓuvha a Vhege.

uvhiliḽavh | dahaSwon | mbuluwoMusu

uraruḽavh | huṉaḽav

ivhelaMug | huṭanuḽav

Dzhenisani maḓuvha a no khou ṭahela.

Musumbuluwo		Ḽavhuraru	
Swondaha		Ḽavhuvhili	

Ṅwalani maḓuvha a vhege.

Swondaha						

Ndi maḓuvha mangana u bva:

Musumbuluwo u swika Ḽavhuṉa? _____

Ḽavhuvhili u swika Ḽavhuṭanu? _____

Ḽavhuṉa u swika Mugivhela? _____

Hu na maḓuvha mangana vhukati ha:

Ḽavhuvhili na Mugivhela? _____

Ḽavhuraru na Ḽavhuṭanu? _____

Ḽavhuṉa na Swondaha? _____

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Miṅwedzi ya ṅwaha

1 Dzudzanyani maḽeḓere a miṅwedzi ya ṅwaha.

andoPh | huhiLu | Fulwana | medziTshi | raLa | avhusikuNyend | nguleṮha | lwiFu | muhweṮhafa | unthuleShund | bamaiLam | bvumedziKhu

2 Hu na maḓuvha mangana kha ṅwedzi muṅwe na muṅwe?

Phando 31	Luhuhi	Ṯhafamuhwe	Lambamai
Shundunthule	Fulwi	Fulwana	Ṯhangule
Khubvumedzi	Tshimedzi	Ḽara	Nyendavhusiku

3 Dzhenisani ṅwedzi wo teaho.

Ni elelwe uri ndi dzina ḽa ṅwedzi, zwino ḽi tea u thoma nga ḽeḓeredanzi

Ndi ufhio u no rangela Ṯhafamuhwe? _____

Ndi ufhio u no rangela Fulwi? _____

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

Khubvumedzi? _____

Ḓuvha ḽaṋu ḽa mabebo? _____

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116b

Maḓuvha, vhege ya na miṅwedzi

Deithi:

Nyendavhusiku 2015

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



Lavhelesani khaḽenda ni fhindule zwi tevhelaho:

Ḓuvha ḽa u thoma nga Nyendavhusiku ndi ḽa vhungana? _____

Ḓuvha ḽa vhufumiṱhanu nga Nyendavhusiku ndi ḽa vhungana? _____

Ḓuvha ḽa vhufumbiliiṋa nga Nyendavhusiku ndi ḽa vhungana? _____

Ḓuvha ḽa vhufumimbili nga Nyendavhusiku ndi ḽa vhungana? _____



Fhindulani mbudziso idzi:

Hu na maḓuvha mangana nga Nyendavhusiku? _____

Hu na Vhege ya nngana nga Nyendavhusiku? _____

Hu na maḓuvha mangana kha Vhege ya? _____

Zwikolo zwi khou vala lini nga Nyendavhusiku? _____

Hu bvelela mini nga ḽa 25 ḽa Nyendavhusiku? _____

Hu bvelela mini nga ḽa 31 ḽa Nyendavhusiku? _____

Ndi ḓuvha ḽifhio ḽi no tevhela ḽa 31 ḽa Nyendavhusiku? _____

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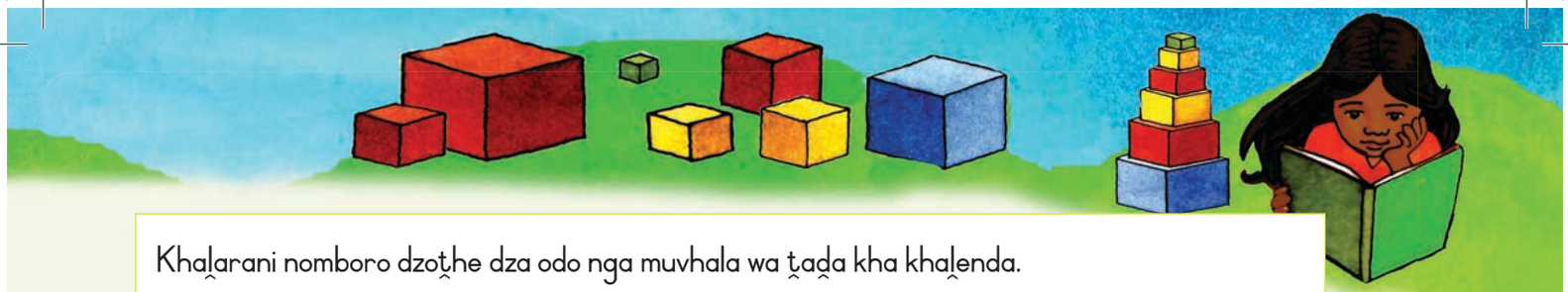

Khaḽarani nomboro dzoṱhe dza odo nga muvhala wa ṱaḓa kha khaḽenda.

Ni vhona mini? _____

Khaḽarani ivini dzoṱhe nga muvhala mutswuku kha khaḽenda.

Ni vhona mini? _____



Fhedzisani khaḽenda. Dzhenisani ṅwaha na deithi.

Lambamai____

Swondaha	Musumbuluwo	Ḽavhuvhili	Ḽavhuraru	Ḽavhuṋa	Ḽavhuṱanu	Mugivhela



Ndi datumu ifho nga ḓuvha ḽifhio?

	Deithi	Ḓuvha



Ndi maḓuvha mangana u bva kha:

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

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Zwiṅwe haf hu nga phetheni dza nomboro

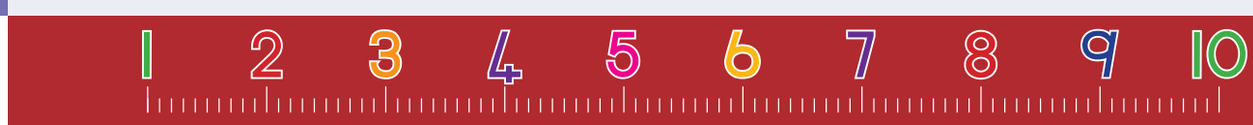
Ṭalutshedzani phetheni dzi re kha bodo iṅwe na iṅwe.

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

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

Fhedzisani phetheni.

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



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Tangedzelani ya odo kana ivini.

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



Dzhenisani nomboro yo ṱahelaho ni tshi fhedzisa phethenindovhololi.

33, 39, 33, ☐, 33, 39, 33, 39

96, 74, 96, 74, 96, 74, 96, ☐

38, 45, 38, 45, ☐, 45

49, 5, 46, 20, 49, 5, ☐, 20, 49, 5, 46, 20, 49, 5, 46

☐, 78, 21, 11, 78, 21, 11, 78, 21, 11





Dzhenisani nomboro yo ṱahelaho ni tshi fhedzisa phethenindovhololi.

55, 21, 19, 63, 55, 21, 19, 63, 55, 21, 19, 63, 55, 21, 19, ☐

18, 28, 36, 18, 28, 36, 18, 28, 36, 18, 28, 36, 18, ☐

11, 76, 11, 76, 11, 76, 11, 76, ☐

60, 91, 94, 60, 91, 94, 60, 91, 94, 60, ☐

28, 47, 78, 28, 47, 78, 28, 47, 78, 28, 47, 78, 28, ☐

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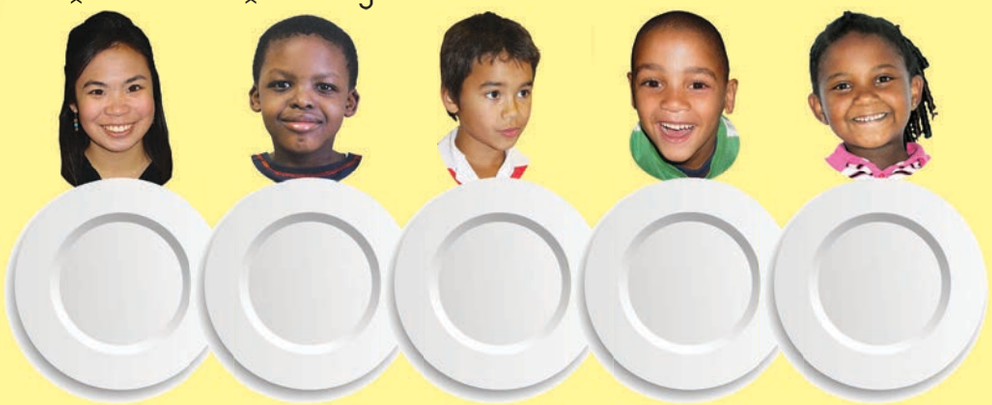
U kovhekana nga u lingana zwi ri isa kha furakhisheni (zwipiḓa)

Deithi:



Kovhekanani baphathi ḽa tshokoḽeithi ni ambe uri ṅwana muṅwe na muṅwe u ḓo wana zwibuḽoko zwingana.





Zwino kovhelani vhana vha 3 mabaphathi a 6 a tshokoḽeithi.





Sumbedzani phindulo yaṋu nga u ola tshifanyiso afho fhasi.

Ṅwana muṅwe na muṅwe u wana tshararu tsha tshokoḽeithi.



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



Sumbedzani phindulo yaṋu nga u ola tshifanyiso afho fhasi.

Ṅwana muṅwe na muṅwe u wana _____ tsha khekhe.

1 2 3 4 5 6 7 8 9 10

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Khaḽarani kota nthihi ya tshokoḽeithi yoṱhe kha mabaphathi aya.

Ndi zwibuḽoko zwingana zwa tshokoḽeithi zwi no ita kota? _____

Khaḽarani tshaṱhanu tsha tshokoḽeithi dzoṱhe kha mabaphathi aya. _____

Sumbedzani hafu ya zwi tevhelaho.

Sumbedzani tshararu tsha maḽegere.

Sumbedzani tsharathi tsha maḽegere.

Kovhelani khonani nṋa mabaphathi a 11 a tshokoḽeithi lune vhoṱhe vha wana tshivhalo tshi no fana tsha tshokoḽeithi ha vha hu songo sala tshithu.

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Vhulapfu

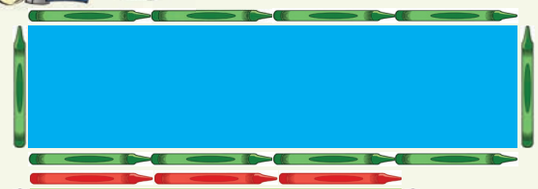
Deithi:

1 Ndi sia ḽifhio ḽa rekithiengele ḽine ḽa vha ḽi pfufhisa? Ḽi lapfusa?

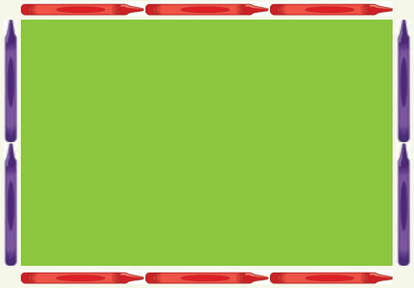


Sia ḽilapfu ndi khirayoni dza _____.
Sia ḽipfufhi ndi khirayoni dza _____.

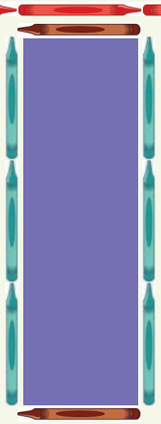
2 Fhindulani zwi tevhelaho.



Sia ḽilapfu ndi khirayoni dza _____.
Sia ḽipfufhi ndi khirayoni dza _____.



Sia ḽilapfu ndi khirayoni dza _____.
Sia ḽipfufhi ndi khirayoni dza _____.



Sia ḽilapfu ndi khirayoni dza _____.
Sia ḽipfufhi ndi khirayoni dza _____.



Sia ḽilapfu ndi khirayoni dza _____.
Sia ḽipfufhi ndi khirayoni dza _____.

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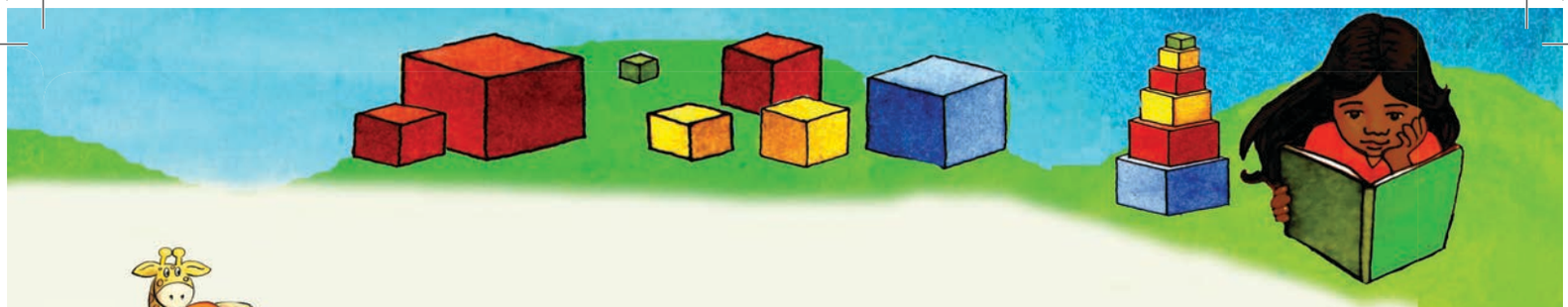
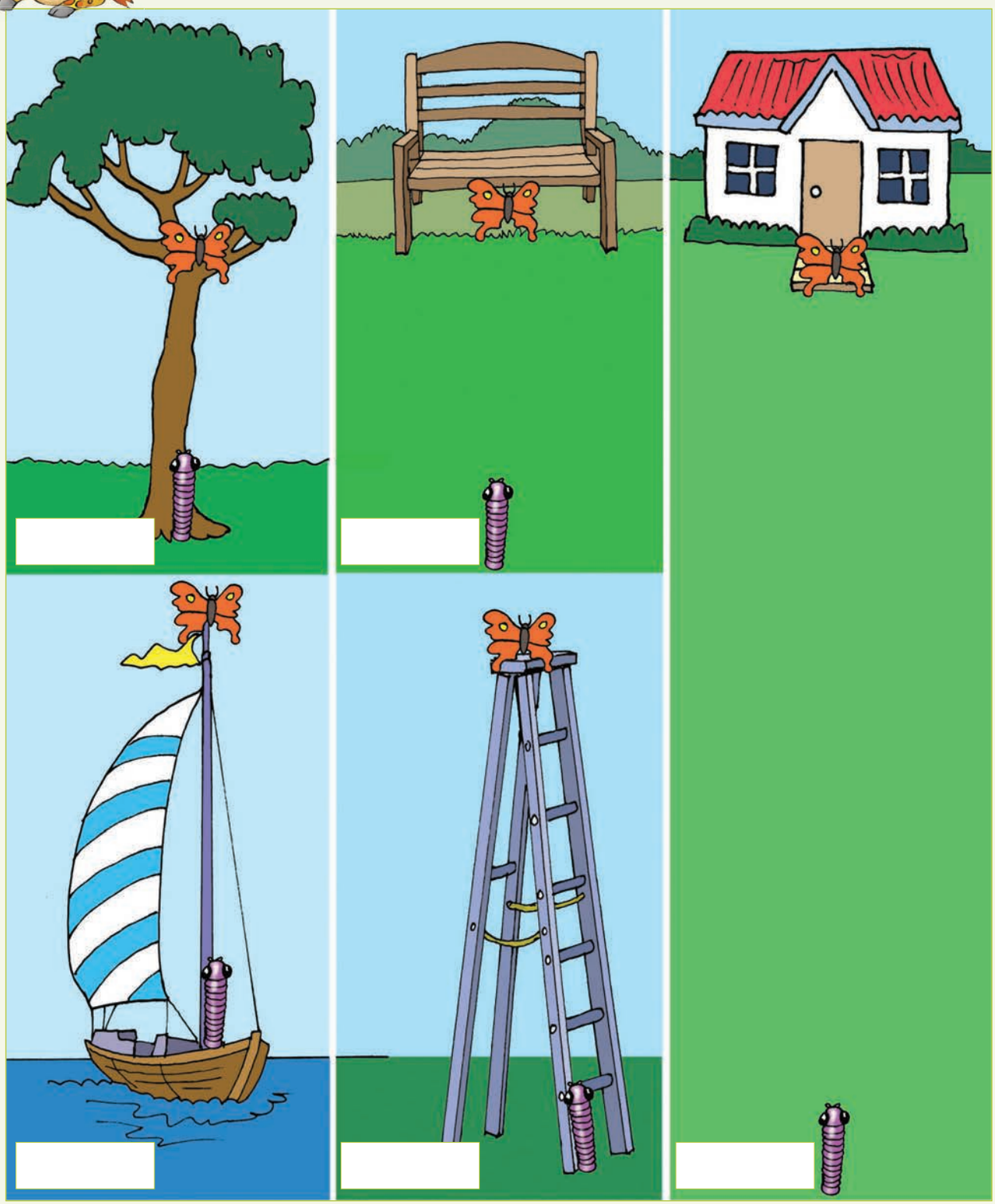


Arali zwivhungu zwa nga bebana, zwi ḓo dzhia zwivhungu zwingana u swika kha tshisusu?



Teacher:

Sign:

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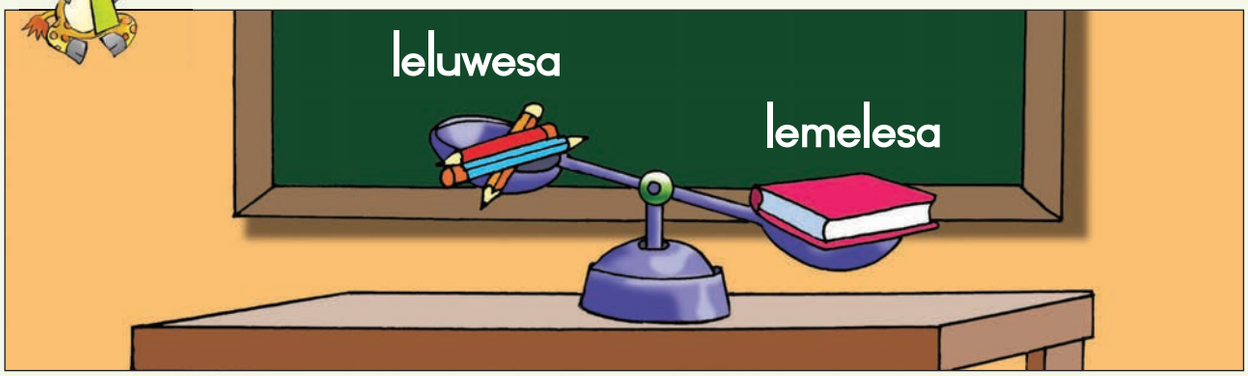
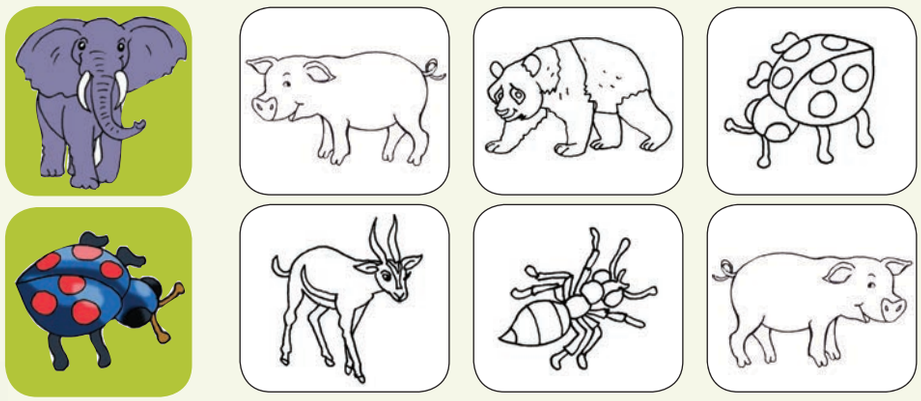
U lemelesa na u leluwesa

Deithi:

1 U lemelesa na u leluwesa?



2 Khaḽarani tshifanyiso kana zwifanyiso zwi no sumbedza zwithu zwi no lemela u fhira zwi re kha tshibuḽoko tshidala.



3 Khaḽarani tshifanyiso kana zwifanyiso zwi no sumbedza zwithu zwi no leluwa u fhira zwi re kha tshibuḽoko tshidala.



4 Lavhelesani tshifanyiso. Wanani zwifanyiso zwa 2 zwa zwithu zwine zwa leluwa. Zwi nambatedzeni hafha.



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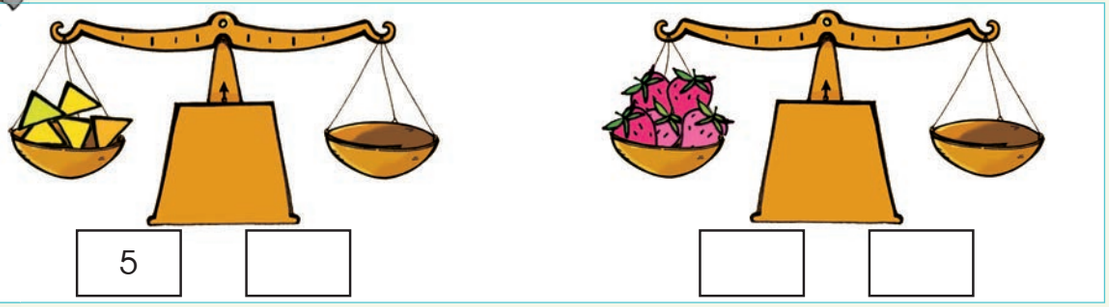
Bulani uri zwikalondinganyiso zwi a lingana naa kana hai.

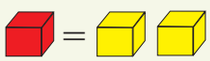


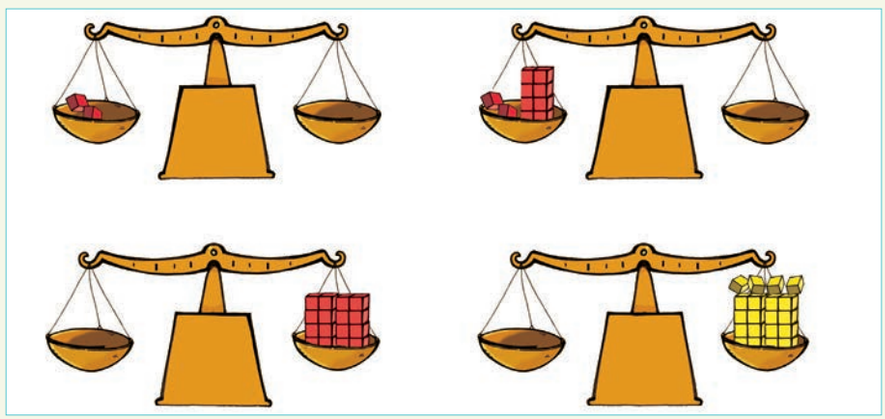
Itani uri zwikalondinganyiso zwi lingane. Itani nyolo kha zwikalo zwi si na tshithu.



Olani tshifanyiso tsha uri zwikalondinganyiso zwi vhe zwone.



Engedzani zwibuḽoko uri zwikalo zwi lingane 



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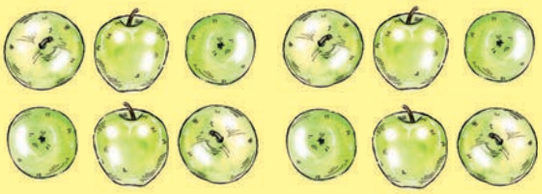
U kovhekana nga u lingana zwi ri isa kha furakhisheni (zwipiḓa) hafhu

Deithi:

Kovhelani khonani tharu maapula aya.





Muṅwe na muṅwe u wana maapula mangana?

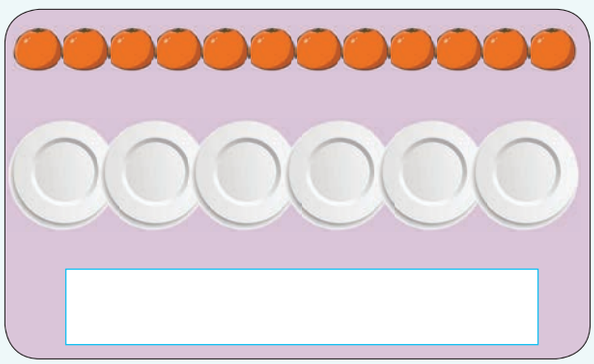
Muṅwe na muṅwe u wana furakhisheni nngafhani ya maapula? Tshararu.

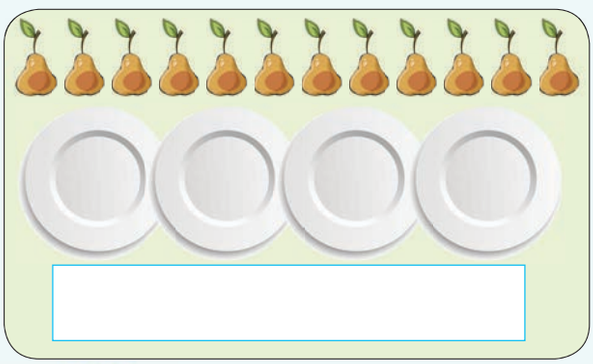


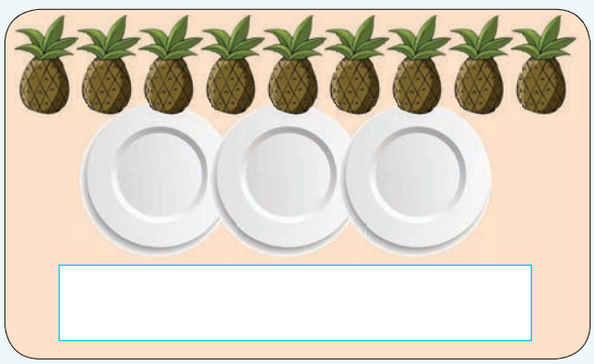
Lavhelesani tsumbo i re afho nṱha ni fhedzise zwi tevhelaho.

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











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

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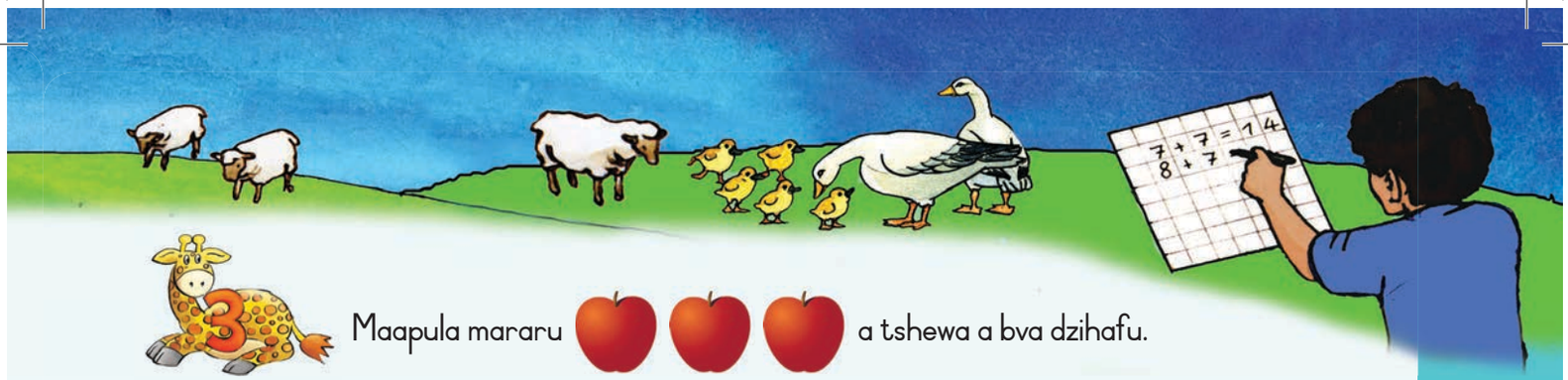
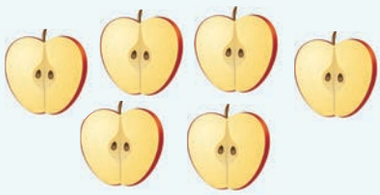


Maapula mararu a tshewa a bva dzihafu.

Ndi vhana vhangana vhane muṅwe na muṅwe wavho a ḓo wana hafu? _____





Maswiri maṋa  a tshewa a bva zwipiḓa zwa tshararu.

Ndi vhana vhangana vhane muṅwe na muṅwe wavho a ḓo wana tshararu? _____





Mabvani mavhili  a tshewa a bva zwipiḓa zwa tsharathi.





Ndi vhana vhangana vhane muṅwe na muṅwe wavho a ḓo wana tsharathi? _____



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

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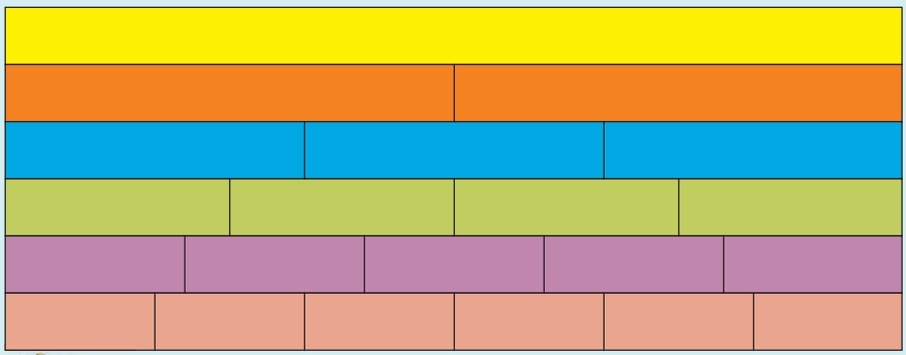
Furakhisheni

Deithi:

Lubannda luṅwe na luṅwe lu amba mini? Maipfi a re kha tsha monde a nga ni thusa.



tshararu

tshaṱhanu

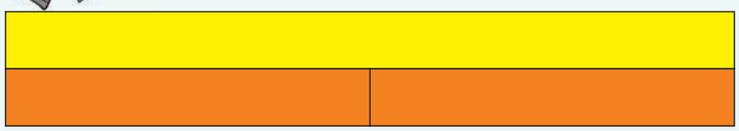
hafu

tsharathi

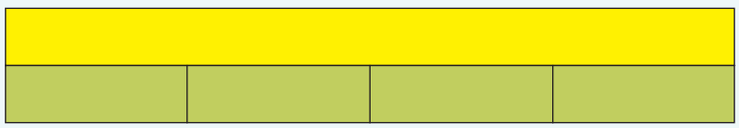
kota



Fhedzisani zwi tevhelaho.



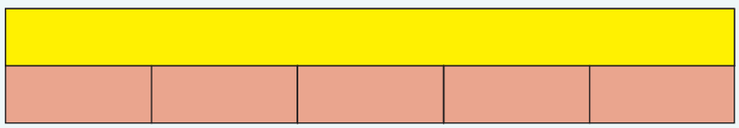
Hafu dza 2 dzi fana na _____ yoṱhe.



Kota dza 4 dzi fana na _____ yoṱhe.



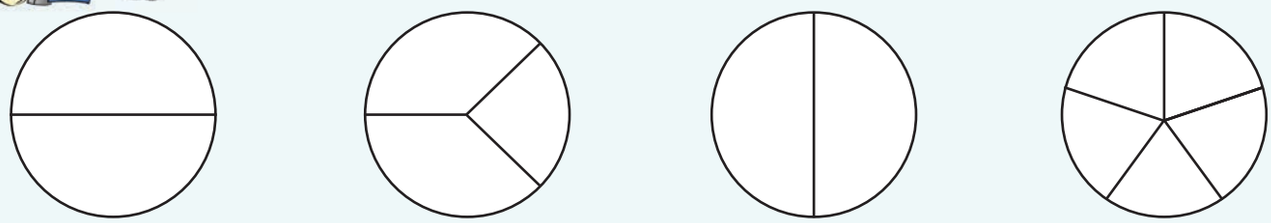
Zwararu zwa 3 zwi fana na _____ yoṱhe.



Zwaṱhanu zwa 5 zwi fana na _____ yoṱhe.



Khaḽarani zwi tevhelaho. Ni vhona mini?



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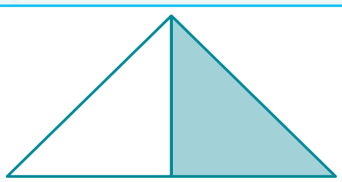
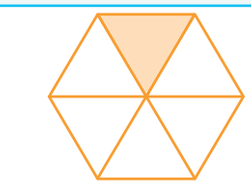
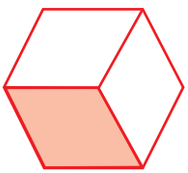
Bulani uri ndi furakhisheni nngafhani ya tshivhumbeo tshiṅwe na tshiṅwe ye ya swifhadzwa. Ṅwalani nga maipfi.



hafu









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

tshararu

hafu

kota

tshaṱhanu

Humbelani mubebi kana muundi waṉu zwine a ḓo renga:

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

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123

Furakhisheni hafhu

Deithi:

Ni nga tama u ḽa tshiḽai tsha ifhio khekhe? Ngani?





Khonani yaṋu u ni humbela uri ni kovhekanye pitza i bve zwiḽai zwi no lingana. Olani tshifanyiso ni tshi sumbedza tshiṅwe na tshiṅwe tsha izwi.

Dzihafu

Zwa tshararu

Dzikota



Itani thiki kha phindulo i re yone.

Inwi na khonani yaṋu no ḽa hafu mbili dza pitza. No ḽa nngafhani?

- Hafu nthihi ya pitza kana
- Pitza yoṱhe?

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

- Tshararu tsha pitza kana
- Pitza yoṱhe?

Lufu, Sundani, Lerato na Palesa vho ḽa pitza nthihi yoṱhe. Vho ḽa pitza nngafhani?

- Kota nthihi kana
- Kota nṋa?

Fhindulani mbudziso dzi tevhelaho:

- Arali nda khethekanya pitza ya bva zwaṱhanu, ndi zwaṱhanu zwingana zwine ra tea u ḽa uri ri vhe ro ḽa pitza yoṱhe? _____
- Arali nda khethekanya pitza ya bva zwarathi, ndi zwarathi zwingana zwine ra tea u ḽa uri ri vhe ro ḽa pitza yoṱhe? _____

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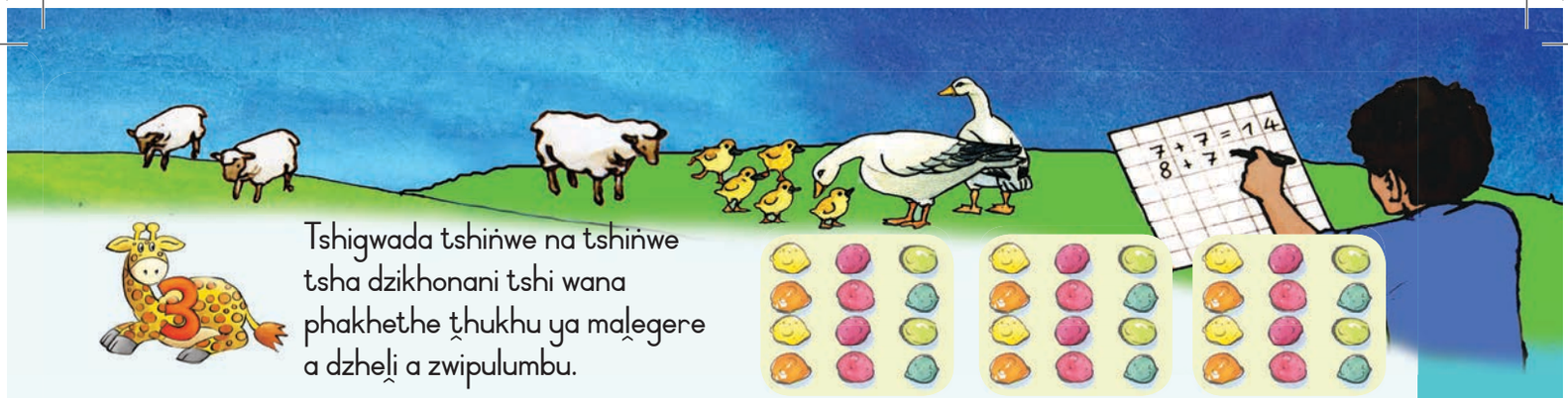

Tshigwada tshiṅwe na tshiṅwe tsha dzikhonani tshi wana phakhethe ṱhukhu ya maḽegere a dzheḽi a zwipulumbu.

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

Khaḽarani furakhisheni i no fana na nthihi yoṱhe.

kota tharu

tshararu tshithihi

kota mbili

zwaṱhanu zwiraru

zwararu zwivhili

hafu nthihi

zwaṱhanu zwiṱanu

zwaṱhanu zwivhili

hafu mbili

zwaṱhanu zwivhili

zwaṱhanu zwiṋa

kota nthihi

zwararu zwiraru

Ni nga takalela zwifhio, kota nṋa dza tshikoḽeithi kana tshokoḽeithi nthihi yoṱhe? Ndi ngani?

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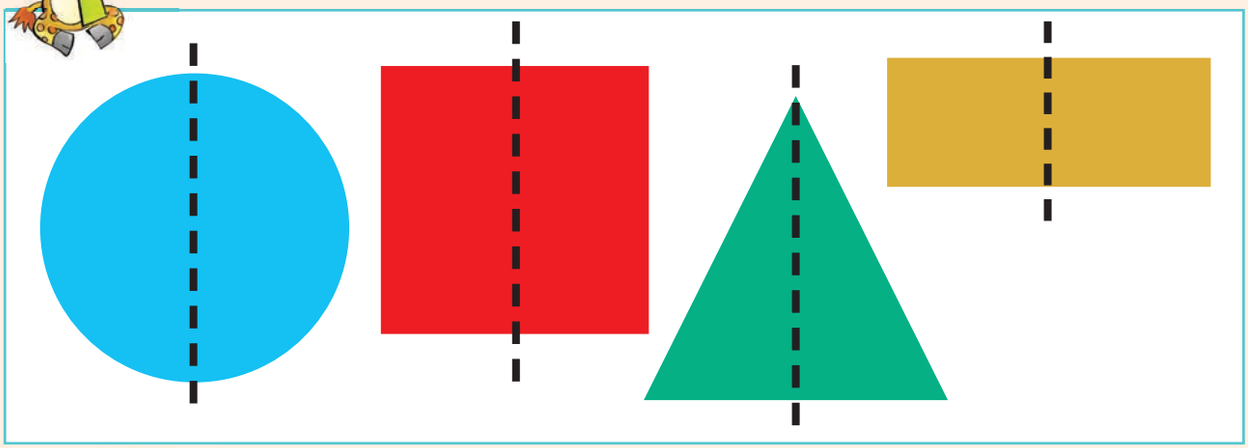
Deithi:

Ndinganahuvhili na zwivhumbeo

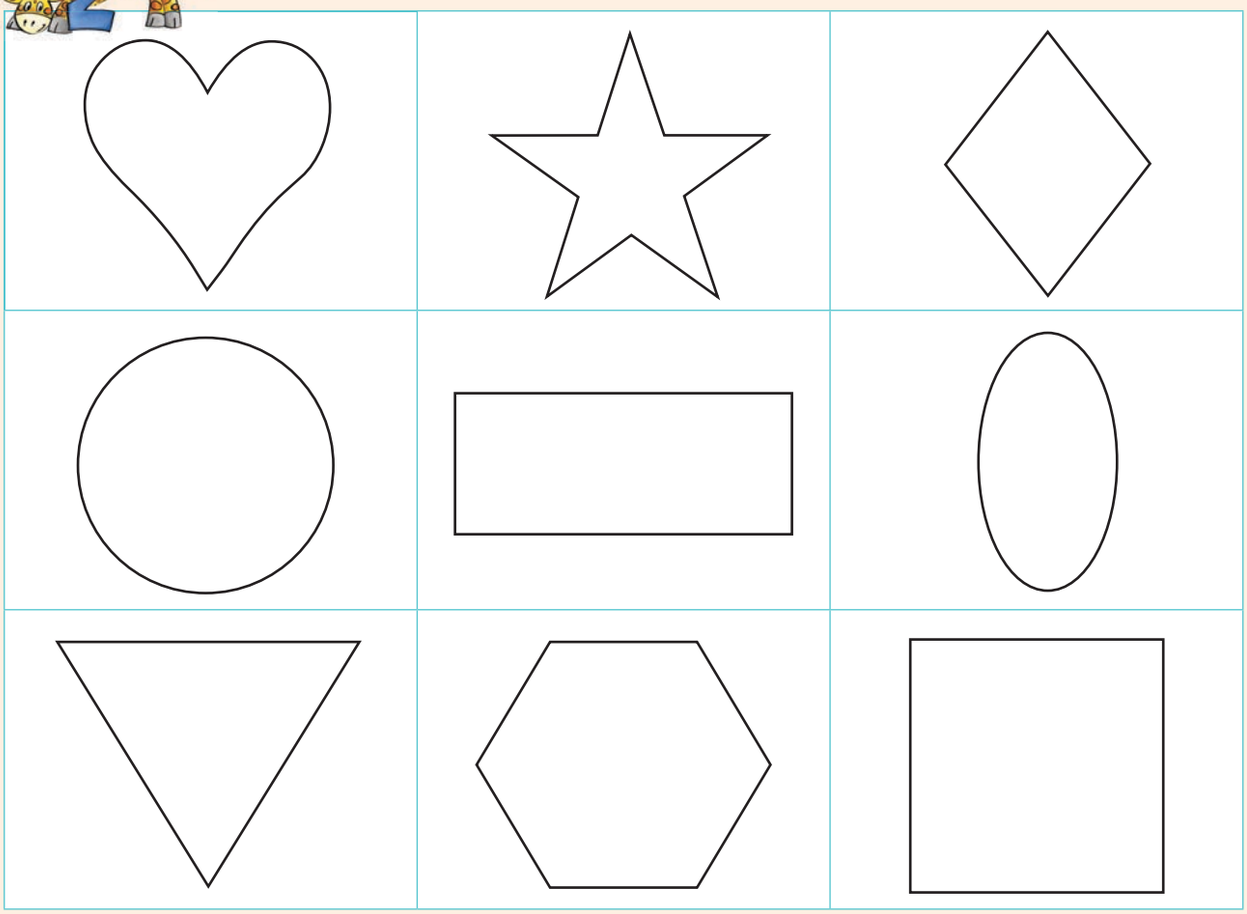


Lavhelesani zwifanyiso zwa zwivhumbeo. Lurumbu luthihi lwa tshivhumbeo lu fana na lula luṅwe? Zwi kha ndinganyahuvhili?





Talani mutalo u itela uri lurumbu luthihi lwa tshivhumbeo lu fane na lula luṅwe.



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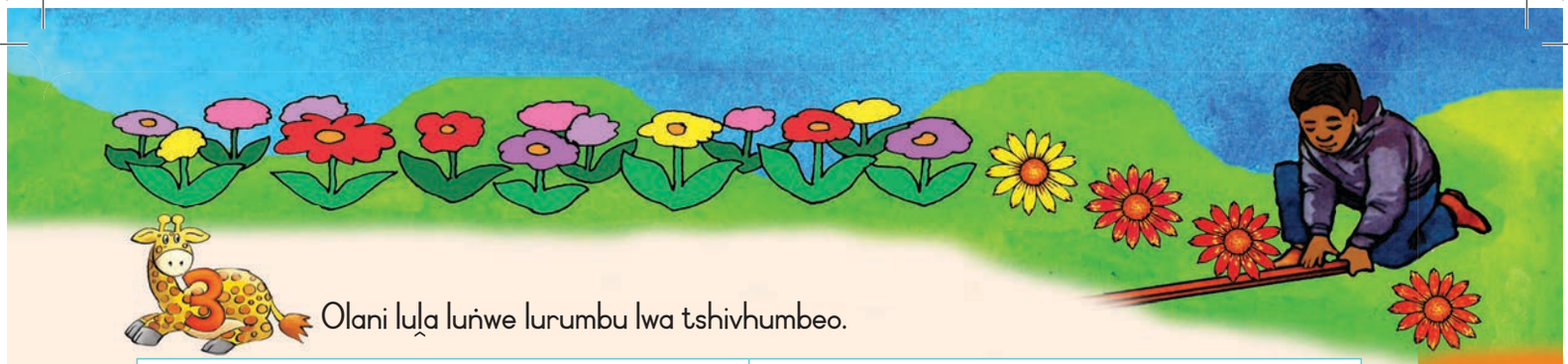
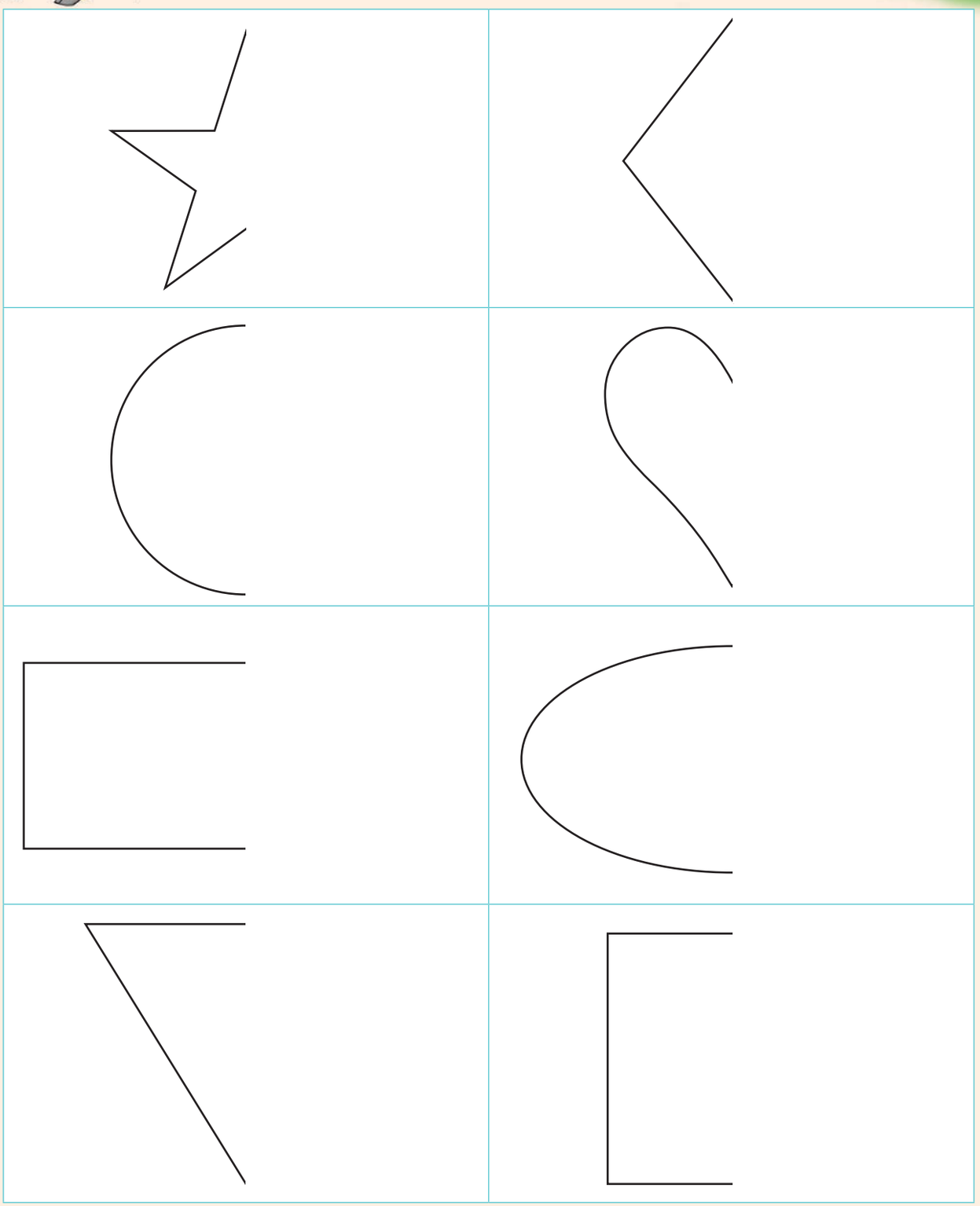


Olani lula luṅwe lurumbu lwa tshivhumbeo.



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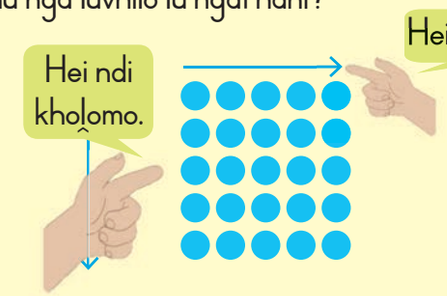
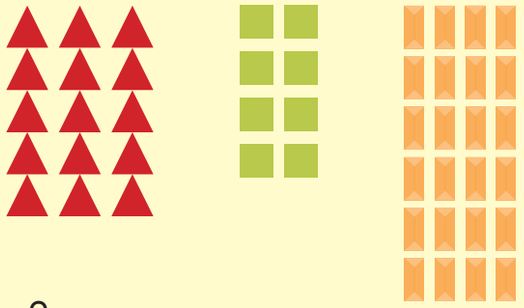
Mitevhe na furakhisheni

Deithi:

Kha vha ṋee vhagudi zwifanyiso zwi tevhelaho. Kha vha vha vhudzise uri vha nga kona u rekanya zwithu nga luvhilo lu ngafhani?

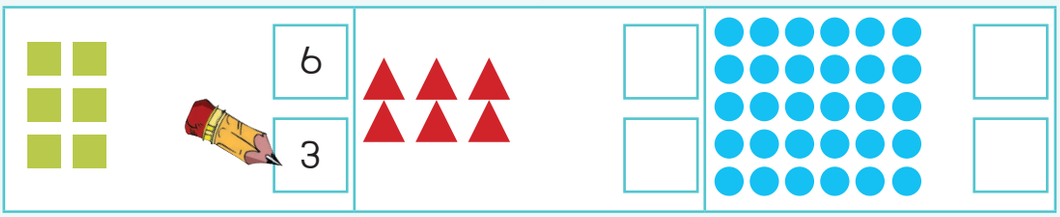




No shumisa kholomo na rou nga ndilade uri zwi ni thuse?

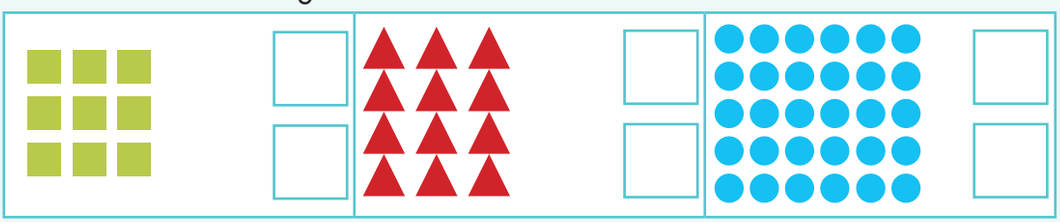


Hu na zwivhumbeo zwingana? **Hafu** nthihi ya zwivhumbeo ndi mini?



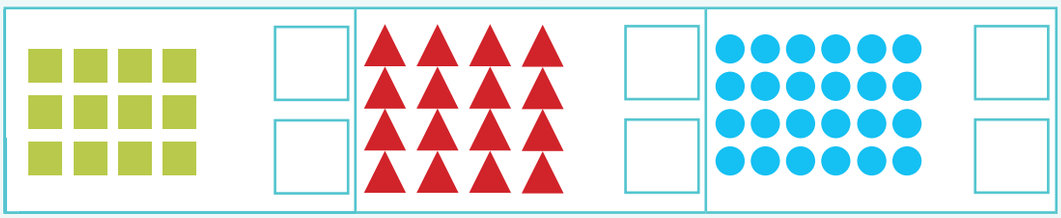


Hu na zwivhumbeo zwingana? **Tshararu** tshithihi tsha zwivhumbeo ndi mini?



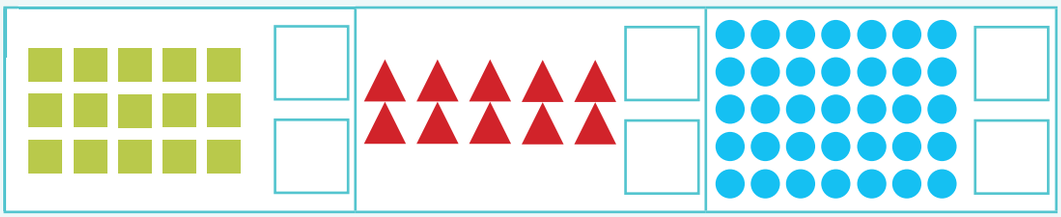


Hu na zwivhumbeo zwingana? **Kota** nthihi ya zwivhumbeo ndi mini?





Hu na zwivhumbeo zwingana? **Tshaṱhanu** tshithihi tsha zwivhumbeo ndi mini?



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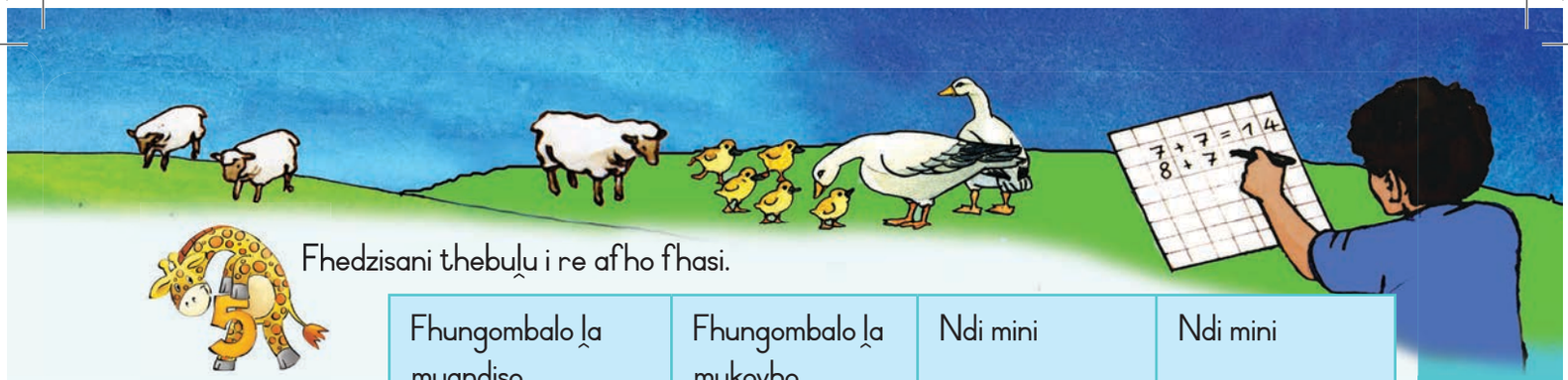
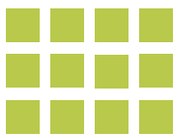
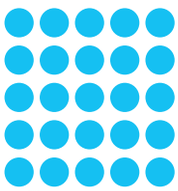


Fhedzisani thebulu i re afho fhasi.

	Fhungombalo la muandiso	Fhungombalo la mukovho	Ndi mini	Ndi mini
	$2 \times 3 = 6$ kana $3 \times 2 = 6$	$6 \div 2 = 3$ kana $6 \div 3 = 2$	hafu nthihi ya zwithu ndi mini? 3	tshararu tshithihi tsha zwithu ndi mini? 2
			tshararu tshithihi tsha zwithu ndi mini?	kota nthihi ya zwithu ndi mini?
			kota nthihi ya zwithu ndi mini?	tshathanu tshithihi tsha zwithu ndi mini?

Shumisani mitevhe kha u sumbedza:

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

Mme anga vho baka khekhe ya khaphu dza 24 vha tshi bakela iṅwe na iṅwe ya indasitirii dza mahayani dzi tevhelaho. Avha vhathu vho oda: Ni vhe na vhutanzi uri ni shumisa zwifanyiso zwa khekhe ya khaphu uri zwi ni dededze.

hafu nthihi ndi dza sitiroberi ngeno dziṅwe dzothe dzi dza vanila	kota nthihi ndi dza tshokoleithi ngeno dziṅwe dzothe dzi dza vanila	tshararu tshithihi ndi tsha sitiroberi ngeno dziṅwe dzothe dzi dza vanila
		

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Deithi:

Furakhesheni ya tshikhuvhugu tsha zwithu

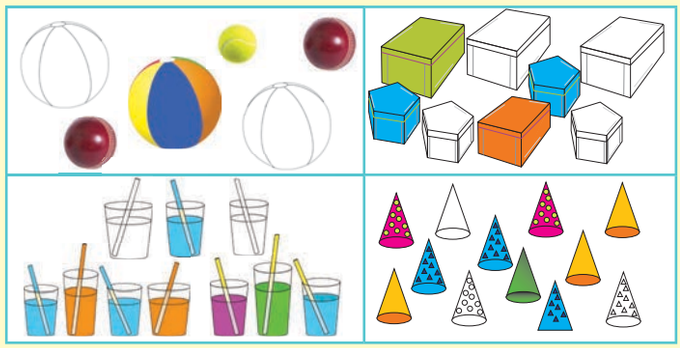
Lavhelesani ṱhalutshedzo idzi ni dzi livhanye na zwifanyiso u itela u sumbedza uri ho khaḽariwa furakhisheni nngafhani ya zwithu. Ambani ngazwo.

Hafu ya I ya tshikhuvhugu tsha zwithu

Tshararu tsha I tsha tshikhuvhugu tsha zwithu

Kota ya I ya tshikhuvhugu tsha zwithu

Tshaṱhanu tsha I tsha tshikhuvhugu tsha zwithu





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









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

O vha e na zwikhipha zwa 15. Vha rengisa zwa 5.
Ndi furakhisheni nngafhani ye vha rengisa?

Talelani mbudziso. Nomboro dzi re khulwane (dza khii) ndi dzifhio? _____

Olani tshifanyiso ni tshi sumbedza phindulo yaṋu.

O vha e na dzhesi dza 18. Vha rengisa dza 9.
Ndi furakhisheni nngafhani ye vha rengisa?

Olani tshifanyiso ni tshi sumbedza phindulo yaṋu.

Talelani mbudziso. Nomboro dzi re khulwane (dza khii) ndi dzifhio? _____

Olani tshifanyiso ni tshi sumbedza phindulo yaṋu.

O vha e na zwikete zwa 12. A rengisa zwa 3.
Ndi furakhisheni nngafhani ye vha rengisa?

Talelani mbudziso. Nomboro dzi re khulwane (dza khii) ndi dzifhio? _____

Olani tshifanyiso ni tshi sumbedza phindulo yaṋu.

O vha e na badzhi dza 20. Vha rengisa dza 4.
Ndi furakhisheni nngafhani ye vha rengisa?

Talelani mbudziso. Nomboro dzi re khulwane (dza khii) ndi dzifhio? _____

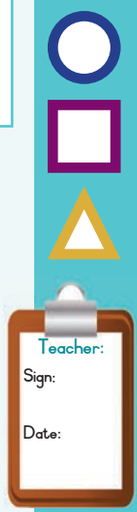
Olani tshifanyiso ni tshi sumbedza phindulo yaṋu.



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

Aisiṅi ya siṱiroberi? ☐ Aisiṅi ya babuḽugamu? ☐





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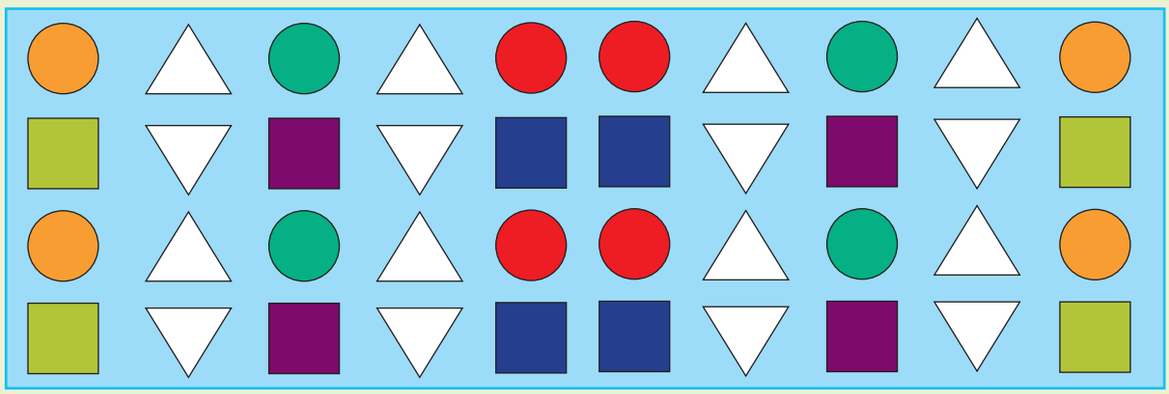
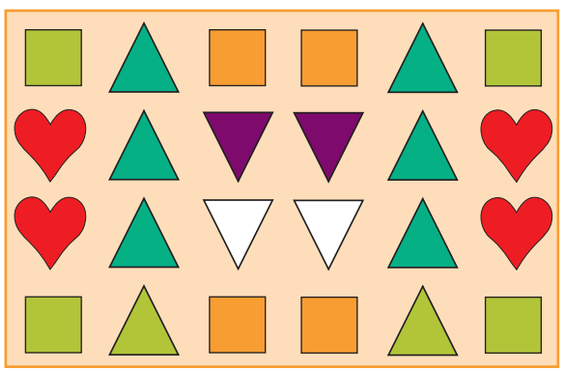
Ndinganahuvhili kha phetheni

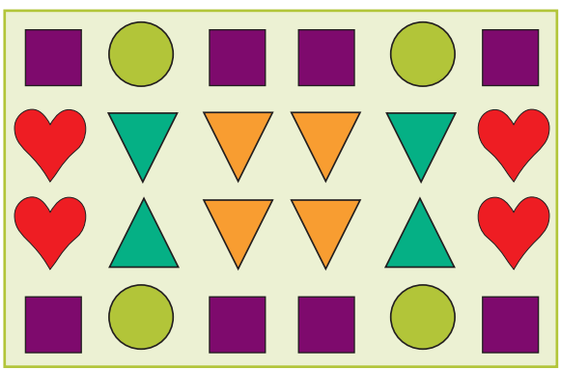
Deithi:

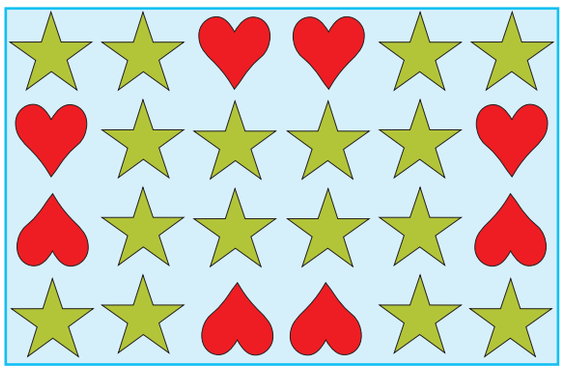
1 Lavhelesani zwifanyiso zwa makolo. Ni vhona mini?

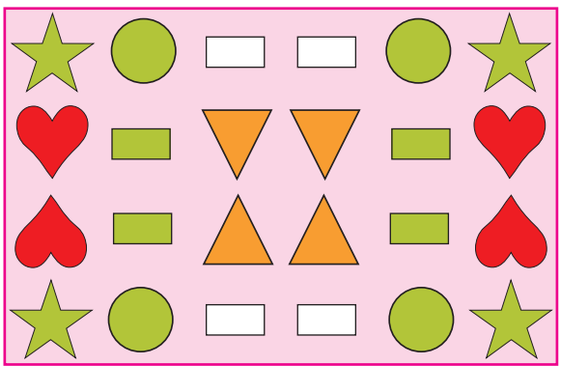


2 Talani mutalo u itela uri lurumbu luthihi lwa makolo aya lu fane na lula luṅwe.









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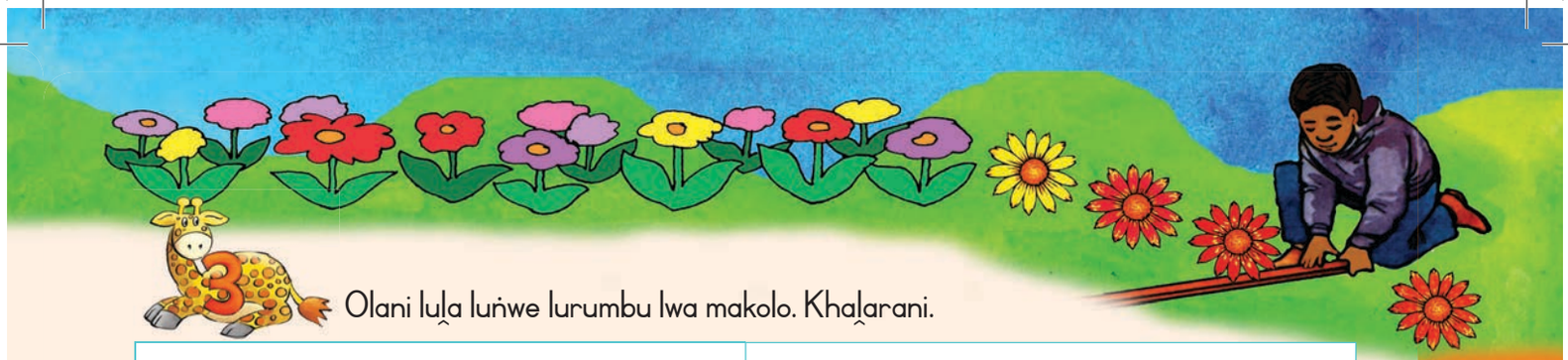
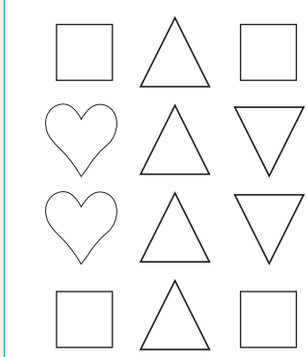
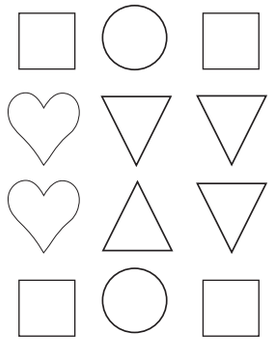
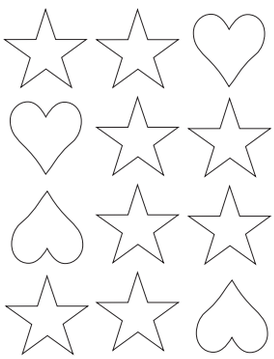
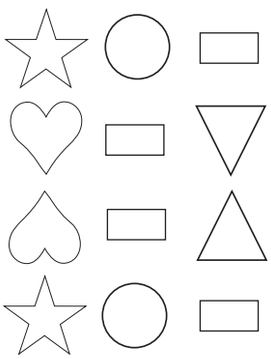


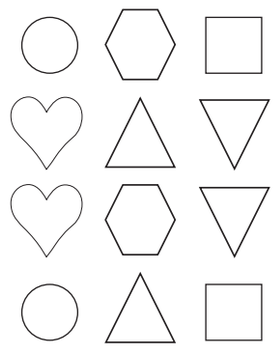
Olani lụla luṅwe lurumbu lwa makolo. Khaḷarani.

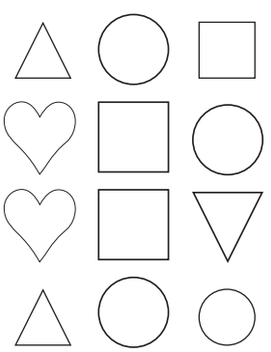














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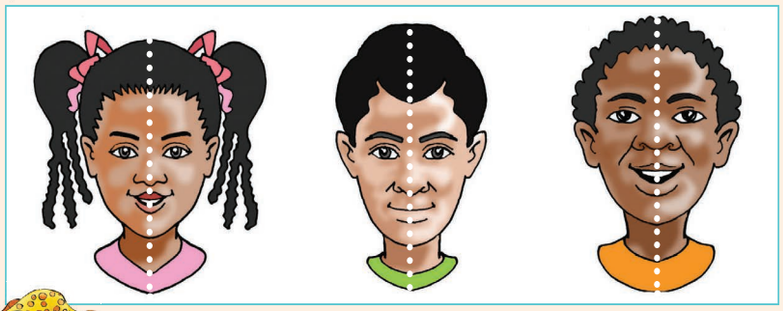
Deithi:

Ndinganahuvhili hafhu

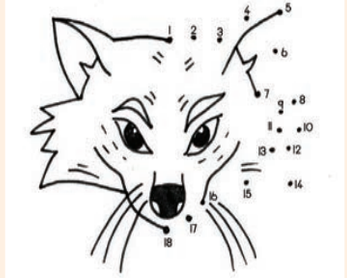
1 Lavhelesani zwifanyiso zwa zwifhaṱuwo. Lurumbu luthihi lwa tshivhumbeo lu fana na luṱa luṅwe? Zwi kha ndinganyahuvhili?



2 Talani mutalo u itela uri lurumbu luthihi lwa tshivhumbeo lu fane na luṱa luṅwe.

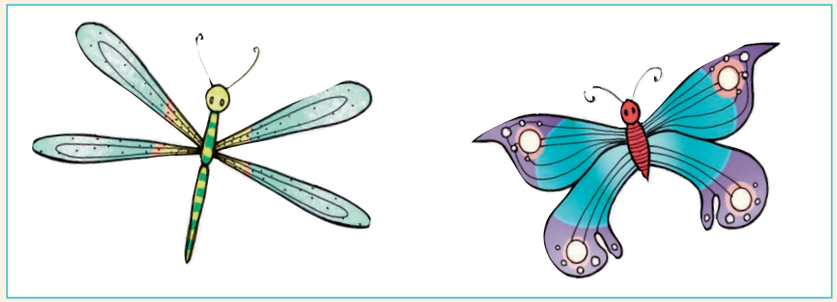


3 Olani luṱa luṅwe lurumbu lwa sia.
Phetheni dza nomboro dzi ḓo ni thusa.

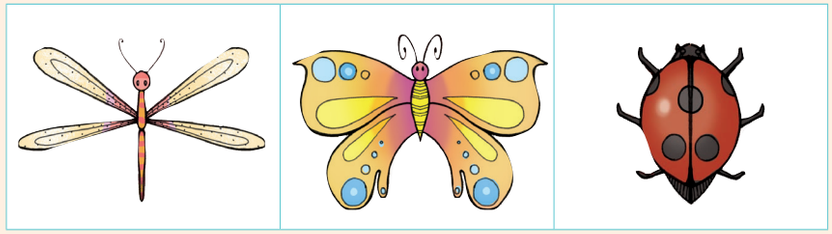




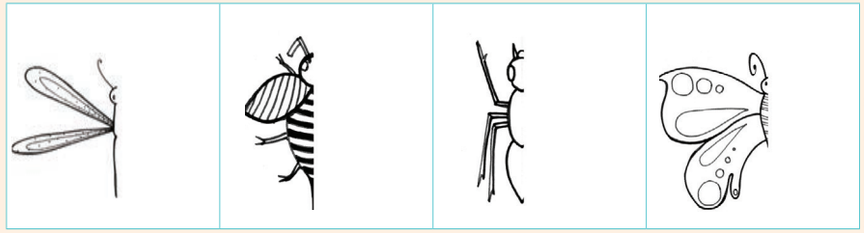
4 Lavhelesani zwifanyiso zwa zwivhumbeo. Lurumbu luthihi lwa tshikhokhonono lu fana na luṱa luṅwe?



5 Talani mutalo u itela uri lurumbu luthihi lwa tshikhokhonono lu fane na luṱa luṅwe.



6 Olani luṱa luṅwe lurumbu lwa tshikhokhonono.



Teacher:
Sign:
Date: