

Kufundza ngeMtsetfo Sisekelo weNingizimu Afrika (1996)

UMtsetfo-sisekelo waseNingizimu Afrika (1996) ucuketse imitsetfo lesetulu yelive. Lemitsetfo ingetulu ngisho kwamengameli welive, tinkantolo kanye nahulumende.

Ichaza kutsi bantfu belive kumele baphatsane njani, nekutsi ayini emalungelo abo kanye nemitfwalo labanayo ngalabanye. UMtsetfo Sisekelo welive ukhonela kusivikela sonkhe nyalo kanye nebantfwabetfu ngakusasa.

Kufute sati ngelimuva letfu.	Asingawaphindzi emaphutsa ayitolo.	uMtsetfo Sisekelo usisita kutsi sicabange futsi sakhe likusasa lelihle lakhe wonkhe umuntfu.

Tsine, bantfu baseNingizimu Afrika;

Siyakubona kungabi khona kwebulungiswa esikhatsini lesengcile;

Setfulela sigcoko labo labahlukunyetwa kuze sitfole bulungiswa nenkhululeko eveni letfu;

Sihlonipha labo labasebentile kwakha nekutfutfukisa live letfu;

Siyakholwa futsi kutsi iNingizimu Afrika yabo bonkhe labahlala kuyo, sihlangene ngekwehlukahlukana kwetfu.

Ngaloko-ke, ngetitfunywa lesitikhetsele tona ngenkhululeko, siyawemukela loMtsetfo-sisekelo njengemtsetfo lophakeme kunayo yonkhe eRiphabhulikhi kuze—

- Kupheliswe kwehlukana kwayitolo futsi kwakhiwe umphakatsi losekelwe yintsandvo yelinyenti, bulungiswa ekuphileni kanye nemalungelo-sisekelo ebuntfu;
- Kubekwe sisekelo semphakatsi wentsandvo yelinyenti, longenamfihlo lapho khona hulumende abekwe ngetifiso tebantfu futsi sonkhe sakhamuti ngalokulinganako sivikelwe ngumtsetfo;
- Kwentiwe ncono lizinga lemphilo yetakhamuti tonkhe futsi kukhululwe emakhono emuntfu ngamunye; futsi
- Kwakhiwe iNingizimu Afrika lehlangene futsi yentsandvo yelinyenti lekwati kutsatsa indzawo yayo leyiyifanele njengelive lelitibusako njengawo onkhe emave a:ibusako.

Tsatsa lilungelo lakho njengemuntfu waseNingizimu Afrika bese utsatsa sigaba sakho kuvikela emalungelo alabanye.	Wati uMtsetfo Hlongotwako wemalungelo akho kanye neMtsetfo Hlongotwako weMtfwalo lobhekene nemuntfu.

Nkulunkulu akabusise bantfu bakitsi
Nkosi Sikelel' i-Afrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.

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TERMS 1 & 2
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1 2 3 4

TIBALO NGESISWATI – Libanga 3 Incwadzi 1

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Kubuyeketiwe futsi kwahlelenjiswa ngekwema-CAPS



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Libanga 3

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Emathemu 1 & 2

Ligama:

Likilasi:

basic education
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Nkhskt. Angie Motshekga,
iNdvuna yeMfundvo yeSisekelo



UMnu Enver Surty, Liphini
leNdvuna yeMfundvo yeSisekelo

Letincwadzi tekusebentela tikhicitelwe bantfwana baseNingizimu Afrika ngekuholwa yiNdvuna yeTemfundvo yeSisekelo, Nkhskt Angie Motshekga akanye neLiphini lakhe uMnu Enver Surty.

LeTincwadzi Tekusebentela takaRainbow tiyincenye yemitamo yaleLitiko leTemfundvo yeSisekelo yekutfutfukisa bafundzi baseNingizimu Afrika emabangeni ekucala lasitfupha ekufundza. Njengalomunye wemigomo lehamba embili eLuhlelweni lweKusebenta lwaHulumende, lomsebenti ukhokhelwe ngesihle Silulu seTimali saVelonkhe. Ngenca yalokusekelwa ngetimali, leLitiko leTemfundvo liphumelele kwakha letincwadzi ngato tonkhe letilwimi letisemtsetfweni kulelive.

Siyetsemba kutsi bothishela batatitfola tilusito kakhulu letincwadzi tekusebentela basafundzisa malanga onkhe kute bafundzi bakhone kucedza luhlelo lwabo lwekufundza. Setame, ngekucophelela lokukhulu, kusita thishela kuleyo naleyo ncenye yemsebenti, ngekusebentisa timphawu letititfombe kukhombisa umfundzi loko lokumele akwente.

Siyetsemba bantfwana nabo batakujabulela kusebentisa letincwadzi basachubeka nekukhula nekufundza; nekutsi bothishela batawutfokota kanye nabo.

Sifisela bothishela nebafundzi imphumelelo basachubeka nekusebentisa letincwadzi tekusebentela.

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NGESISWATI

Lencwadzi ya:

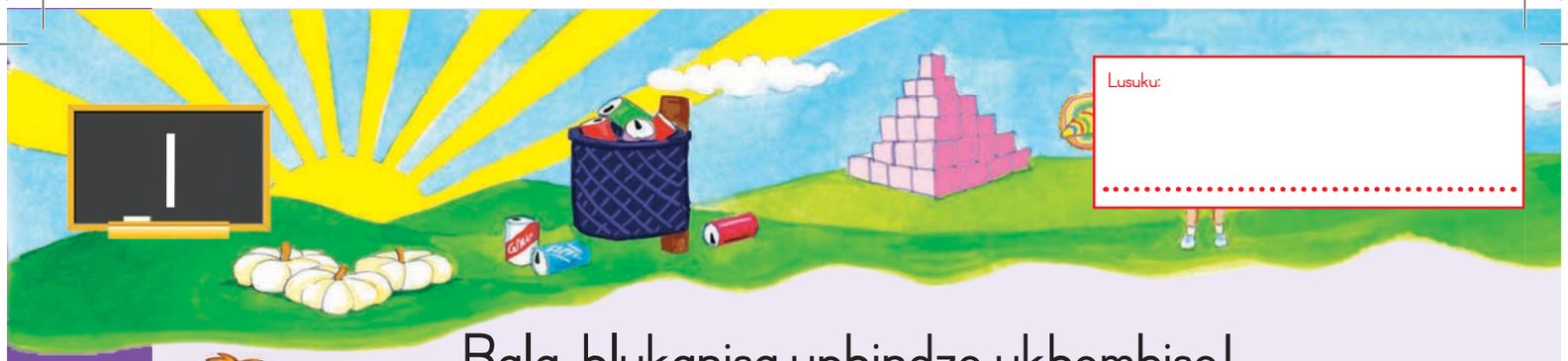
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SISWATI

Incwadzi 1

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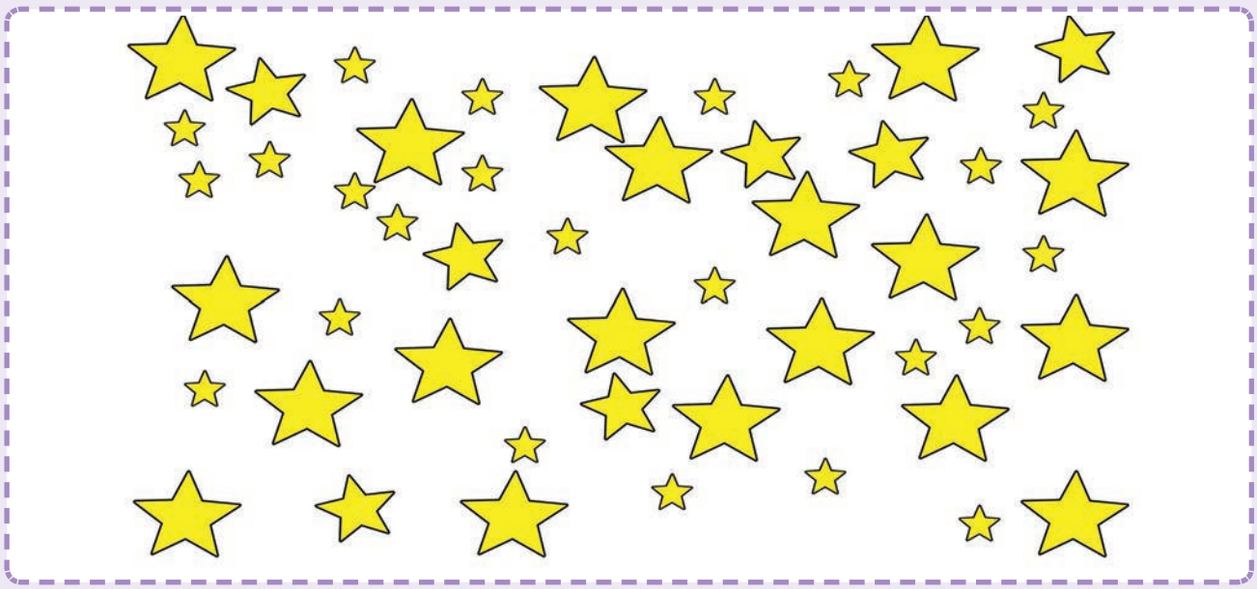
Lusuku:

Bala, hlukanisa uphindze ukhombise!



Tingakhi tinkhanyeti?

Catsanisa timphendvulo.



Linganisa kutsi tingakhi tinkhanyeti. _____

Nyalo tibale. _____



Tfola lophumelele!

Ngubani lolinganise kancono? Gcwalisani emagama enu netimphendvulo kulelithebula.

Ligama				
Linganisa				
Inombolo lebaliwe				
Umehluko emkhatsini wekubekisa kwakho nekubala kwakho				



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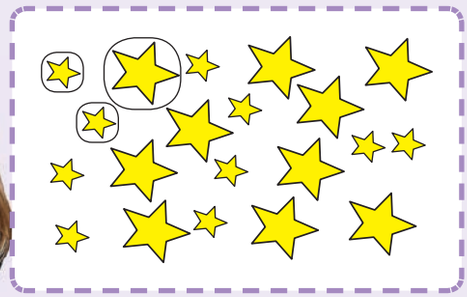




Tindlela tekubala. Sisite kutibhala phansi.



Ngibale ngaku-1 ngaku-1.



1, 2, 3, _____

_____



2, _____

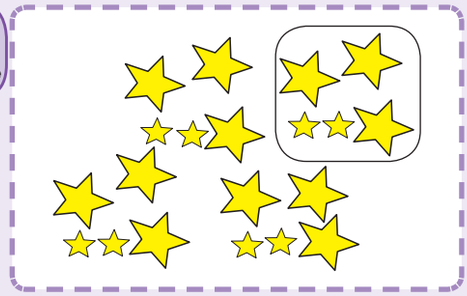
_____



Ngibale ngaku-2.



Ngibale ngeti-5 ngase



5, _____

_____



_____

_____



Ngibala ngema-10.



Bhala imishotinombolo

Uma uhlanganisa nobe ngutiphi tinombolo letimbili akukhatsaleki kutsi tihleleke njani.

Bala samba selinani letinkhanyeti letinkhulu naletincane esitfombeni ekhasini 2.

Kukhulu Kuncane ngalendlela *nobe* ngalendlela

 +  = _____

 +  = _____

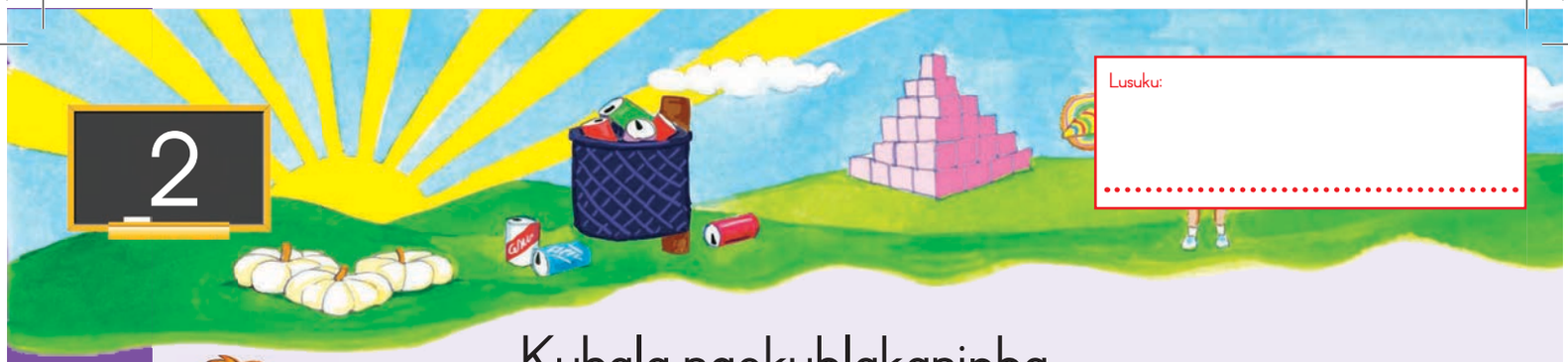
futsi njengemushonombolo.

_____ + _____ = _____ *nobe* _____ + _____ = _____



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Lusuku:

.....

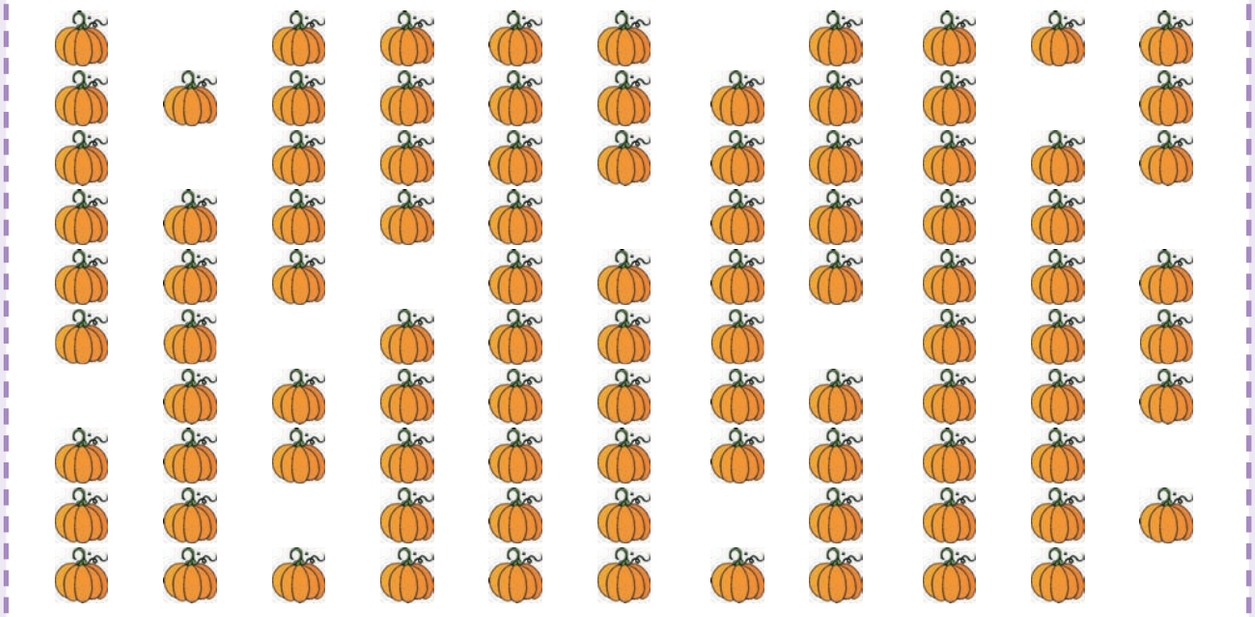
Kubala ngekuhlakanipha

Ithemu I



Bala lamatsanga

Tfola indlela lemalula yekuwabala.



Imphendvulo: _____





Pakisha ematsanga

Ematsanga lalishumi aya esakeni linye.

Mangakhi emasaka longawagcwalisa ngalamatsanga?_____

Mangakhi ematsanga lasalako? _____

Mangakhi lamanye ematsanga ladzingakalako kugcwalisa lelinye lisaka? _____

1 2 3 4 5 6 7 8 9 10

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Kusuka ku + kuya ku × (kuhlanganisa kuye kukuphindzaphindza)

Cedzela lemishonombolo.

Sibonelo:

10 + 10 + 10 + 10 = 40 ⟹ 4 emacembu ema-10 = 40 ⟹ 4 × 10 = 40



a. 10 + 10 + 10 = _____

_____ emacembu ema-10 = _____ ⟹ _____ × _____ = _____



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

_____ emacembu ema-10 = _____ ⟹ _____ × _____ = _____



Tandla neminwe



Tingakhi tandla? _____ Mingakhi iminwe? _____

Bhala imphendvulo yakho ngetindlela leti-2.

_____ emacembu ema-10 = ___ na _____ × 10 = _____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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3a

Lusuku:

Tinombolo ebhodini lelikhulu

Ithemu I



Kukhuluma tinombolo

Bala uphindze usho tonkhe letinombolo kusuka ku I – 100. Khomba njengobe uhamba.

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



a. Bhala inombolo lengekho esibayeni lesilingangane ngasinye.

b. Bhala naleletinye tinombolo.

c. Luhlobo luni lwetinombolo letinombolo letimtfubi?



Bhala letinombolo ngemagama.

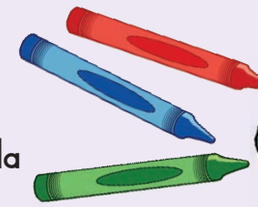
90	emashumi layimfica	41	
77		56	
14		65	

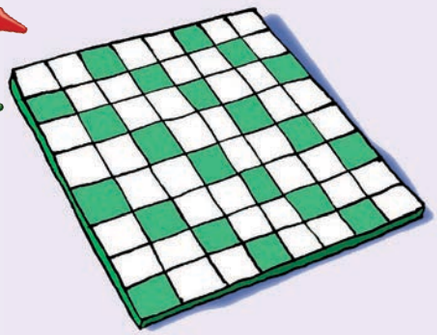
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Kubala nekufaka umbala





Lungela kubala nekufaka umbala!

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

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

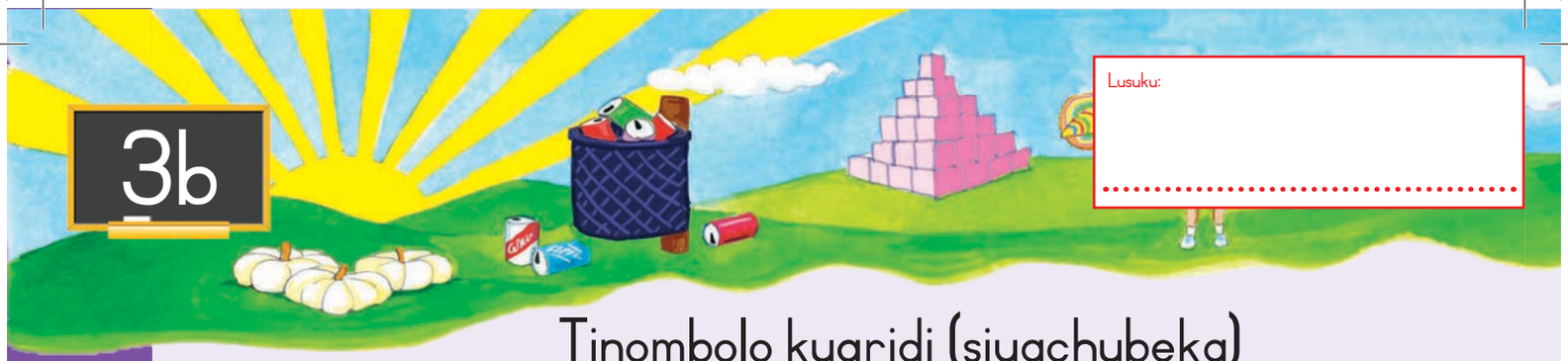
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Bala uphindze uvale ema-10.	Bala ubuye uvale si-5 kusuka ku-0 kuya kuli-100.	Bala uphindze uvale bo ku-2.
Bala ngema-10 kusuka ku-10 kuya e-100.	Bala ngeti-5 kusuka ku-5 kuya e-100.	Bala ngaku boku-2 kusuka ku-2 kuya e-100.
Bhala ngema-10 kusuka ku-10 kuya e-100.	Bhala ngeti-5 kusuka ku-5 kuya kuma-80.	Bhala ngaku-2 kusuka ku-2 kuya e-100.

Teacher:
Sign:
Date:

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3b

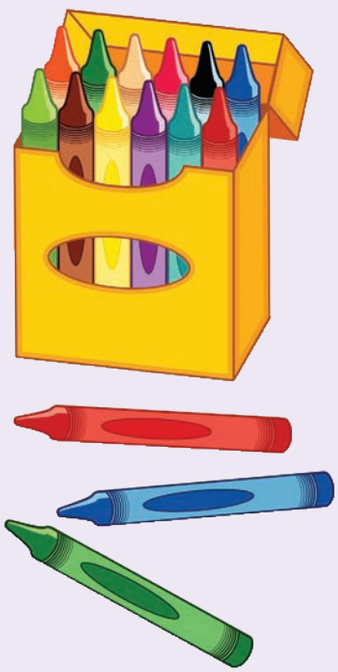
Lusuku:

Ithemu I

Tinombolo kugridi (siyachubeka)

Buka emaphethini

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



Faka luphawu (✓) kuwo onkhe ema-10.	Faka siphambano (✗) kuto tonkhe ti-5	Kipilitela (O) bonkhe bo-2

Bhala tinombolo letingena kuphethini yaku-2 nakuphethini yeti-5.

_____

_____

_____

_____

1 2 3 4 5 6 7 8 9 10

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Emaphethini ekubala

Gcwalisa tinombolo letingekho.

0; 10; 20; _____; _____; 50; _____; _____; 80; _____; 100; _____;

_____; 130; _____; _____; 160; _____; _____; _____; 200

0; 5; 10; _____; _____; 25;_____; _____; 40; _____; 50; 55; _____;

_____; 70; _____; _____; 85; _____; _____; 100

0; 2; 4; 6; _____; _____; 12; _____; _____; 18; _____; 22; 24; _____;

_____; 30; _____; _____; 36; 38; _____; _____; _____; 46; _____;

0; _____; 8; _____; 16; 20; _____; 28; _____; 36; _____; _____;

_____; 52; _____; _____; 64; _____; 72; _____; 80

0; _____; 10; _____; 20; _____;30; _____; 40; _____; _____; 55;

60; _____; 70; 75; _____; 85; _____; _____; 100

0; 3; _____; 9; _____; 15; 18; _____; 24; _____; _____; 33; _____; 39;

_____; 45; _____; _____; 54; 57; _____; 63; _____; _____; 72; 75

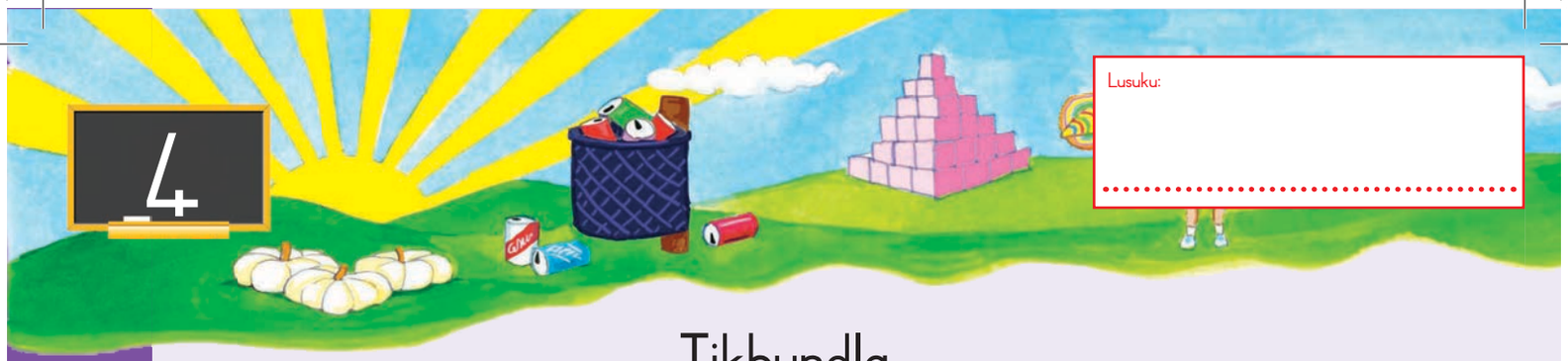
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Lusuku:

Tikhundla

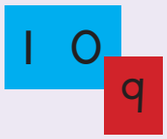


Khombisa tinombolo takho.

Ngcovota lamakhadi etinombolo kusuka lokujutjiwe I.
Sebentisa lamakhadi kwakha letinombolo.

19 43 69 54 35





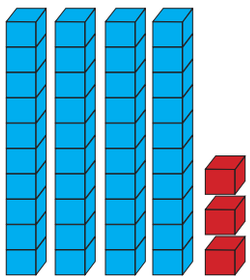
19

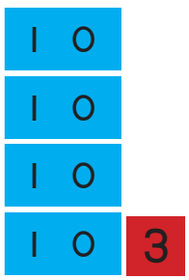




10 + 9 = 19

43





40 + 3 = 43

Ase utentele letinombolo usebentise lokujutjiwe I.

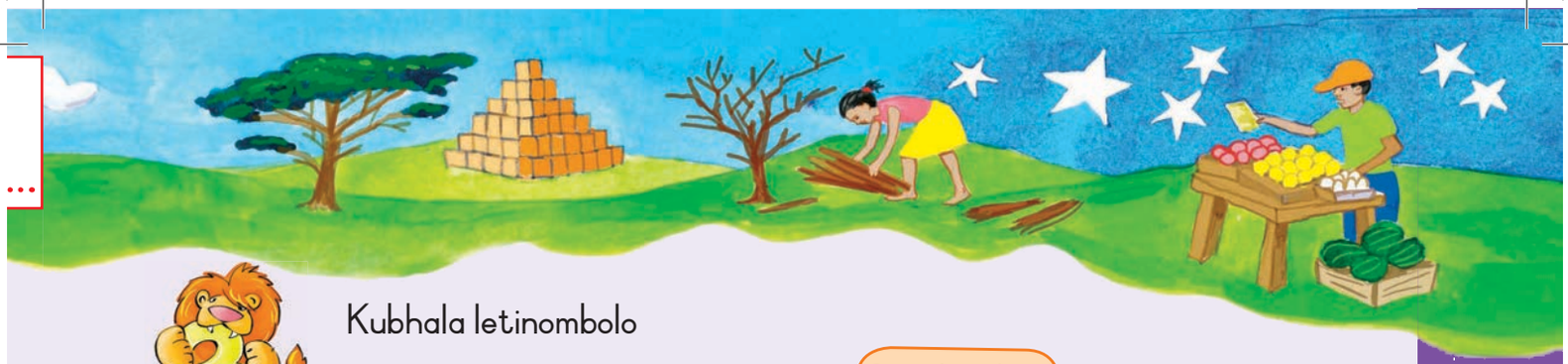
54

35

69

1 2 3 4 5 6 7 8 9 10

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Kubhala letinombolo

Sikwentele yekucala

Singasho nekutsi 9 wabo 1.

19	10 + 9	1 Lishumi + 9 emayunithi	Lishumi nemfica
43			
69			
54			
35			
21			
73			
44			
32			
89			
17			
95			
56			
68			
67			



Bhala tinombolo tekucala letisihlanu ngeluhla kusukela kulencane kakhulu kuya kulenkhulu kakhulu.

_____; _____; _____; _____; _____

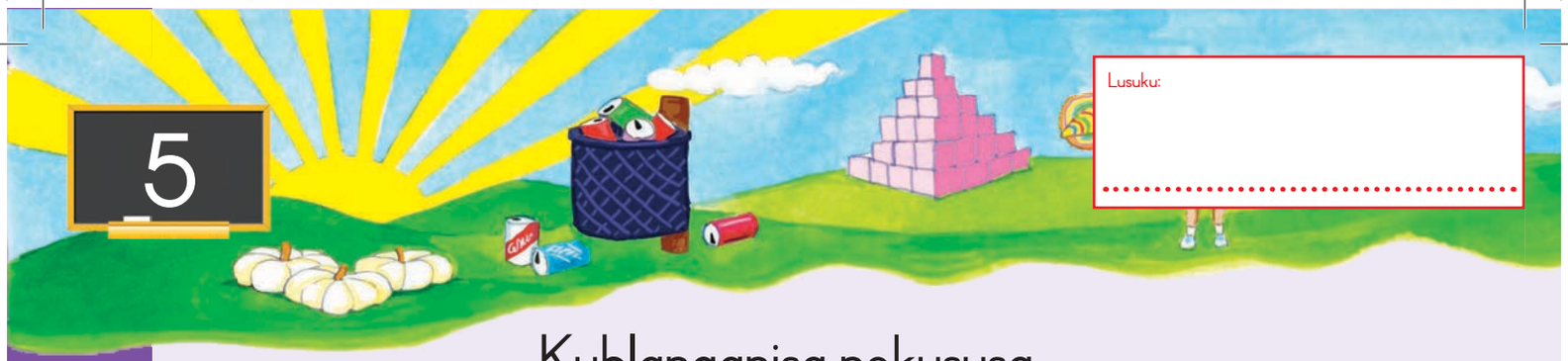
Teacher:

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5

Lusuku:

Ithemu I

Kuhlanganisa nekususa



Indzawo yekutsengisa yaLebo

Ekuseni Lebo unemaphakethe la-19 emahhabhula.
Ngesikhatsi sesidlo sasemini usele nemaphakethe lali-13.



a. Mangakhi emaphakethe latsengiswe nguLebo? ____

b. Bhala imphendvulo yakho njengemushonombolo.

_____ – _____ = _____

Bhala leminye imishonombolo lesihlanu kukhombisa imphendvulo lefanako.
15 – 9 = 6 _____ _____ _____ _____ _____



Kutejwayeta kubala tinombolo 1+2=3

Bhala timphendvulo.

Sebentisa ...
+ – =

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



Imindeni yetinombolo

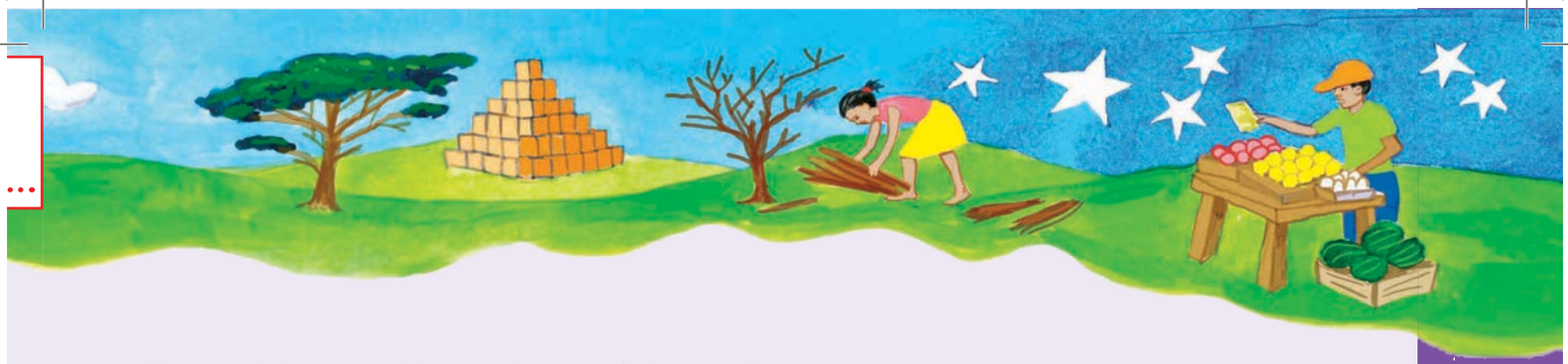
5 | 9 | 14

Nati tibonelo talomndeni-nombolo.

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

1 2 3 4 5 6 7 8 9 10

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Ungayitfola yini yonkhe imindeni-nombolo ya 14?

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



Ngitawenta njalo nange-12

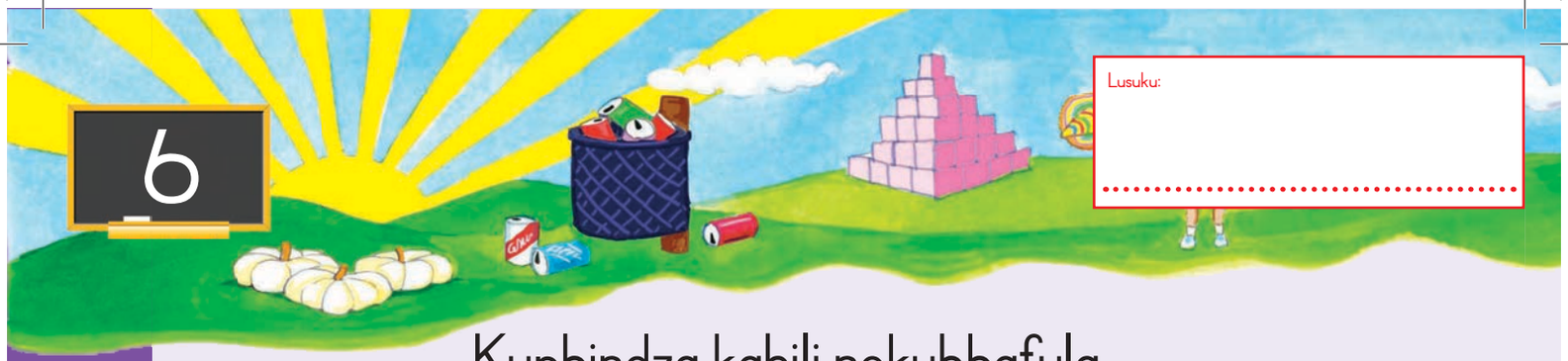
12

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

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Date:

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Lusuku:

Ithemu I

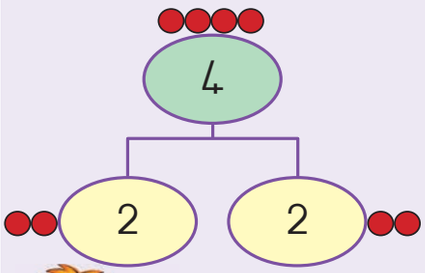
Kuphindza kabili nekuhhafula

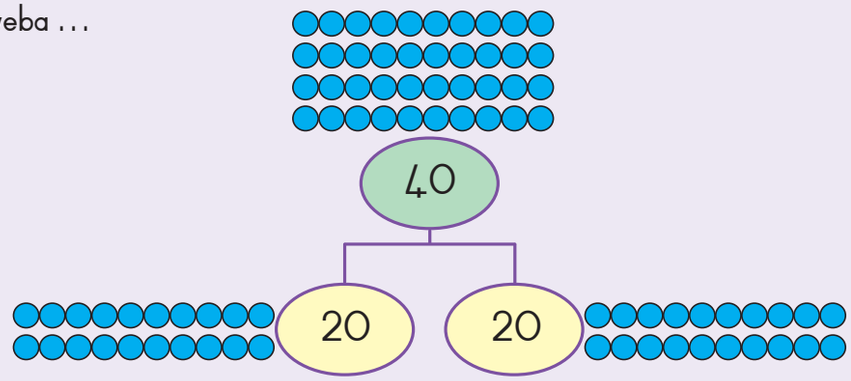
Uyakhumbula?

2 yihhafu ya-4
4 kuphindza kabili ku-2

20 yihhafu ye-40
40 kuphindza kabili ema-20

Singakukhombisa loku ngekudvweba ...

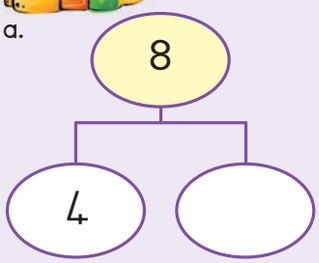




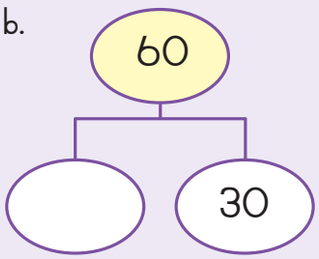


Tfola letiphindvwe kabili nobe emahhafu

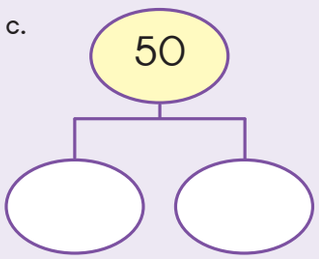
a.



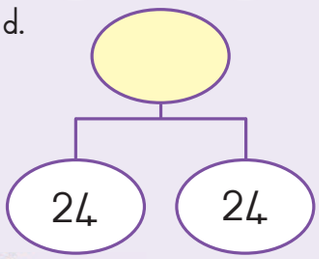
b.



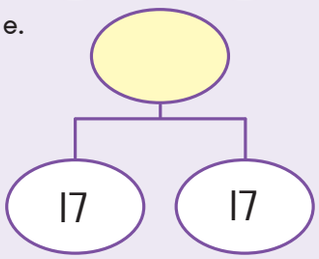
c.



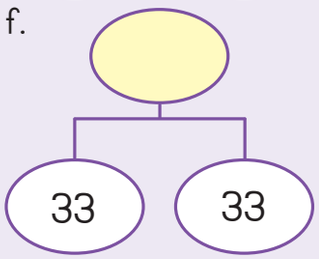
d.



e.



f.





Insayeya

Tfola ihhafu ya 3.

Khombisa njengenombolo noma ligama-nombolo.
Umdvwebo ungahle ukusite.

1 2 3 4 5 6 7 8 9 10

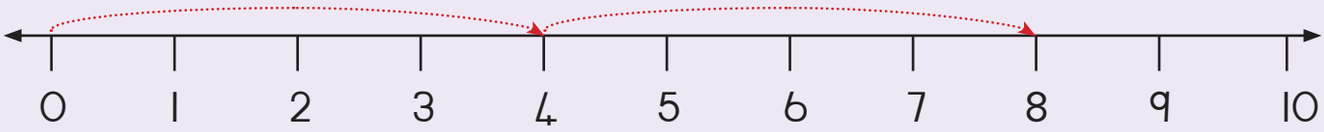
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Phindza letinombolo usebentisa imigcanombolo.
Uniketiwe sibonelo sekucala.

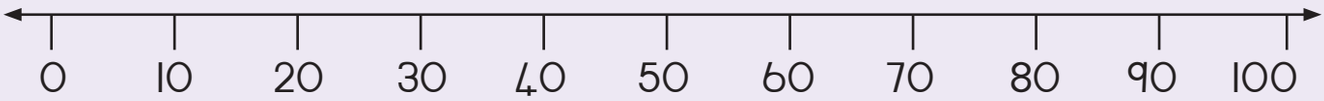
Phindza 4 $\square$ + $\square$ = $\square$



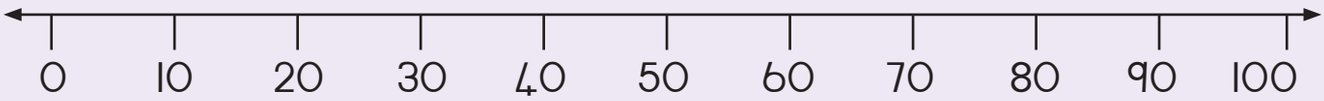
Phindza 5 $\square$ + $\square$ = $\square$



Phindza 20 $\square$ + $\square$ = $\square$



Phindza 40 $\square$ + $\square$ = $\square$





Cedzela loku lokulandzelako

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



Cedzela loku lokulandzelako

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

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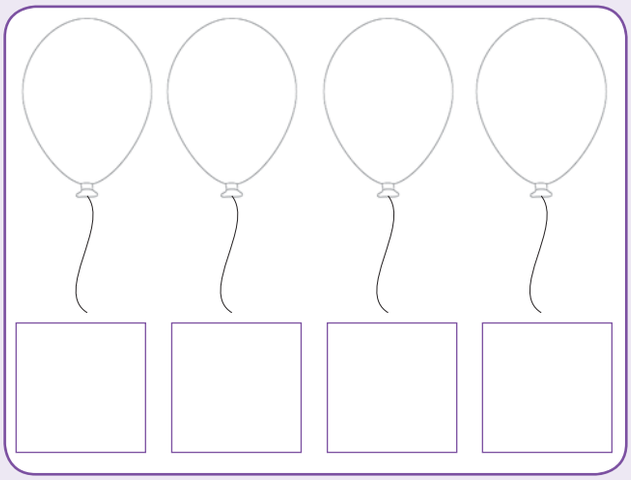
Lusuku:

Emafrakishini

Ithemu I

Faka umbala lobovu ekoteni yinye yemabhaluni, kulawa lamanye ufake lolingangane.

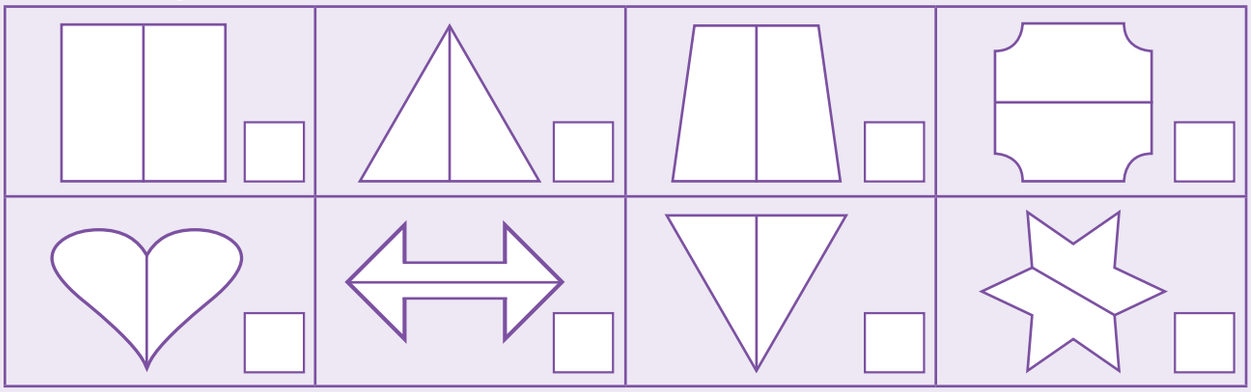
Faka umbala lobovu ehhafini yelibhoksi ngalinye.





Bukisisa bobunjwa. Faka luphawu bobunjwa labakhomba bohhafu.

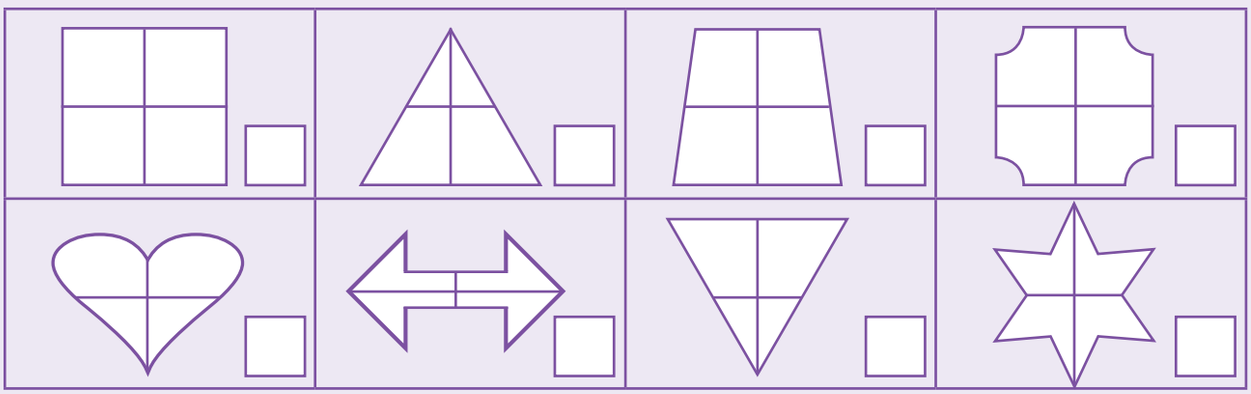
Faka umbala ehhafini yinye yabunjwa lohlukaniswe ngabohhafu.





Bukisisa labobunjwa. Faka luphawu bobunjwa labakhomba emakota.

Faka umbala ekoteni yinye kuloyo naloyo bunjwa lohlukaniswe ngemakota.



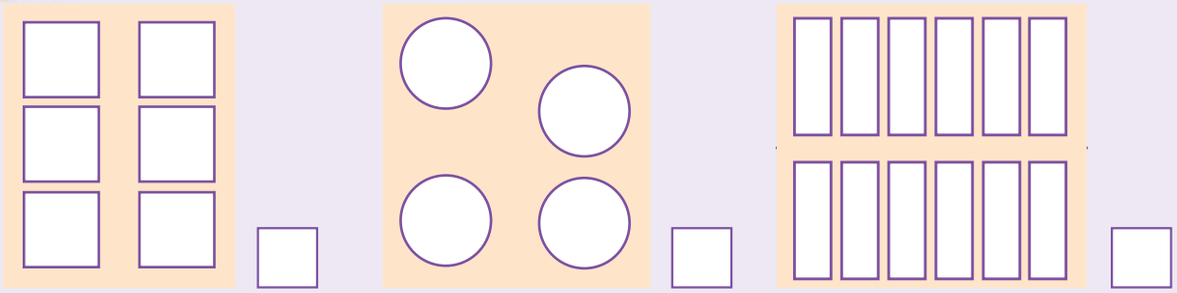
1 2 3 4 5 6 7 8 9 10

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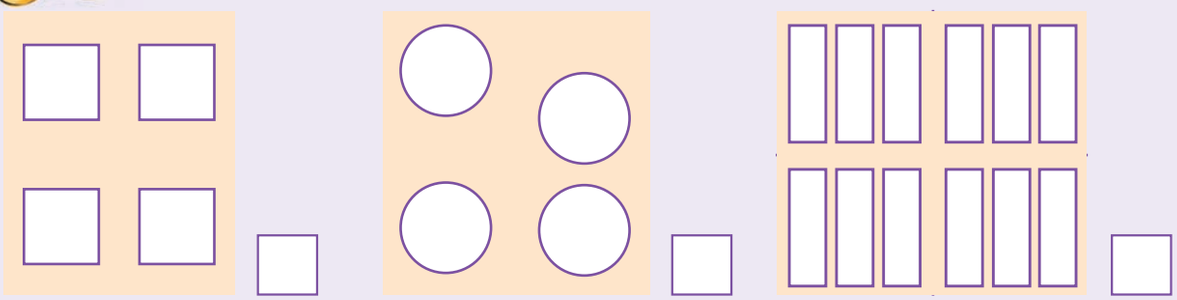


Faka umbala ehhafini yalabobunjwa. Ngubani ihhafu yenombolo yalabobunjwa?





Faka umbala ekoteni yalabobunjwa. Ngubani ikota yenombolo yalabobunjwa?

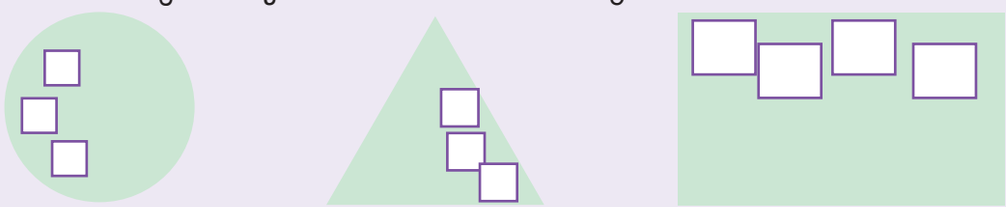




Bhala usebentisa inkhomba yefrakishini. Ihhafu ☐ Ikota ☐

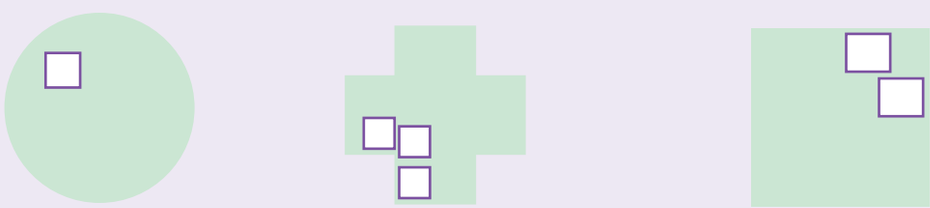
Dvweba labanye bobunjwa kwenta labohhafu balingane.





Dvweba labanye bobunjwa kwenta lamakota alingane.





Teacher:
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Date:

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8

Lusuku:

Kwehlukanisa imali



Esitokifeleni

Make LaLubisi ubala futsi ehlukanise imali ecenjini.











Linganisa linani leliphelele.	R_____
Bala imali.	R_____

Catsanisa tilinganiso nemathothali.



Konga imali



Gugu wongela emapheya eticatfulo letibita R89.

Kwanyalo unehhafu yalelinani.

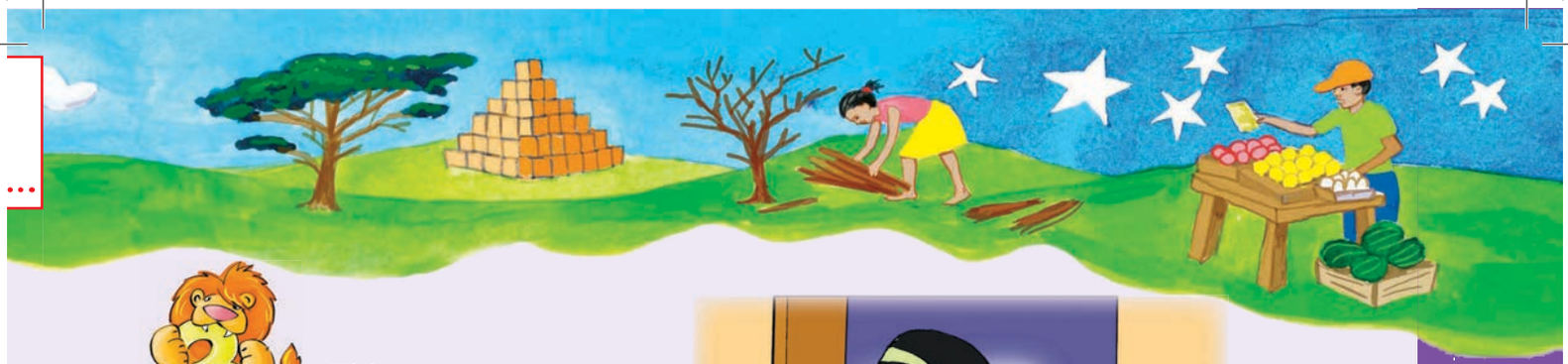
Weswela malini ngetulu?

Bhala umushonombolo kukhombisa imphendvulo yakho.

_____ _____ _____

1 2 3 4 5 6 7 8 9 10

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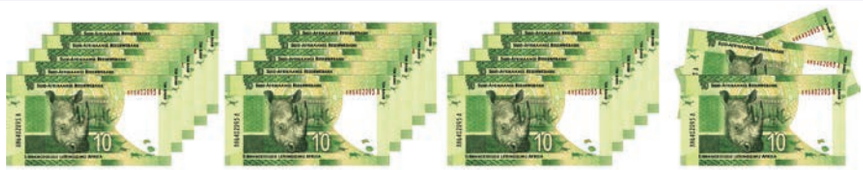
Ebhange

Maria upakisha imali yemaphepha ngetincumbi teti-5.

Unemali yemaphepha lesele.

Bhala emathothali esitfombe ngasinye.



	Linani
	R_____
	R_____
	R_____



Insayeya

Kuvakasha eZu

Bantfu labadzala nebantfwana baya eZu.

Batsenga emathikithi ngema-R90.

Bangakhi bantfwana? _____

Bangakhi labadzala? _____

Ngabe ikhona lenye imphendvulo?

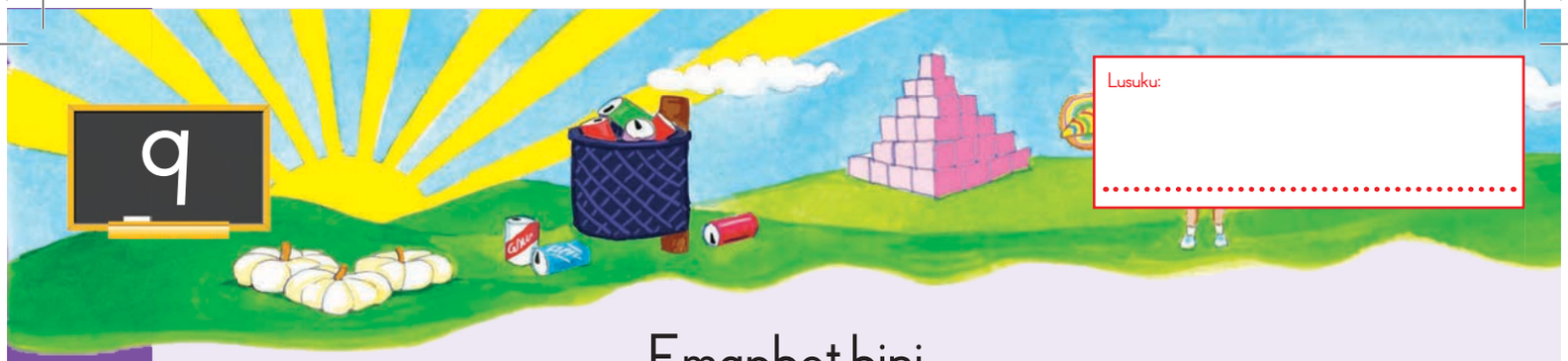
Labadzala _____ Bantfwana _____



Teacher:
Sign:
Date:

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Lusuku:

Ithemu I

Emaphethini



Sebentisa lebhodi-nombolo ya 200 kuphendvula imibuto.

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



Sebentisa ibhodi-nombolo ya 200 kucedzela letinombolo letine letilandzelako kulamaphethini etinombolo. Chubeka ufake umbala kuphethini lekubhodi-nombolo.

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

1 2 3 4 5 6 7 8 9 10

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Bhala tinombolo letilandzelako kuphethini ngayinye. Chubeka uf ake umbala kuphethini. Yini loyibonako ngemaphethini lanembala munye?

Kubala **ngesihlanu**.

				5					10

Kubala **ngakubili**.

	2		4						

Kubala **ngakutsatfu**

		3			6				

Kubala **ngalokulishumi**

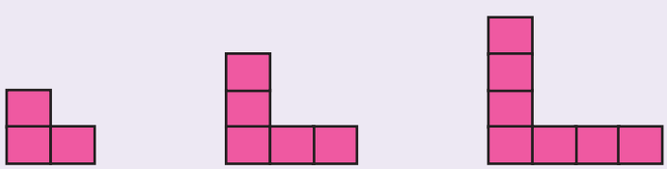
									10



Nweba lephethini







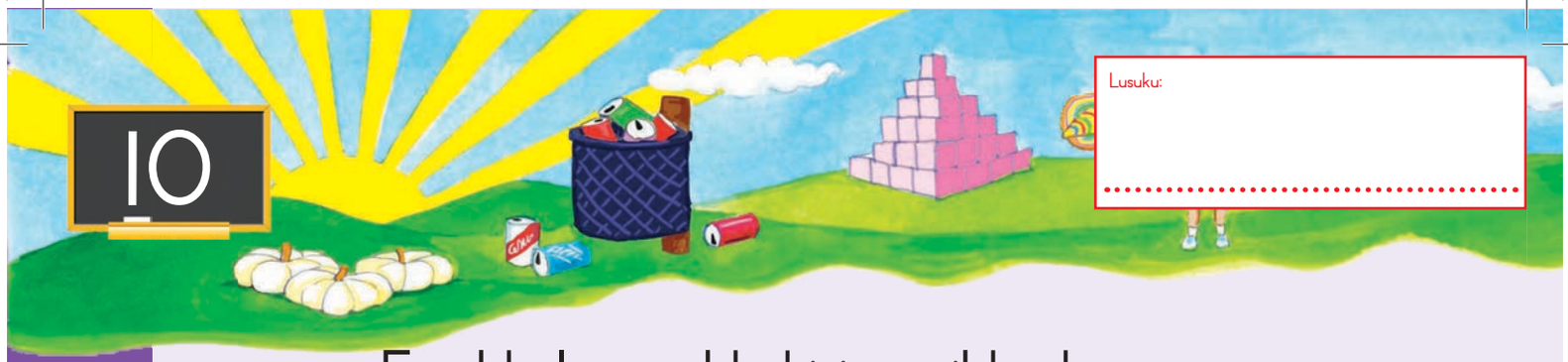
Teacher:

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Date:

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10

Lusuku:

.....

Ithemu I

Emabhola, emabhokisi nemibhoshongo







Kipilitela emabhokisi ngembala lolingangane, emabhola ngalobovu, emasilinda wona ngaloluhlata.



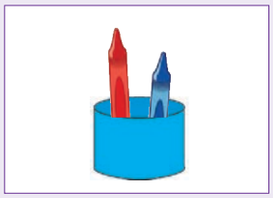


Faka umbala emphendvulweni lengiyo.



Libhokisi

kuyashelela | kuyagicika



Isilinda

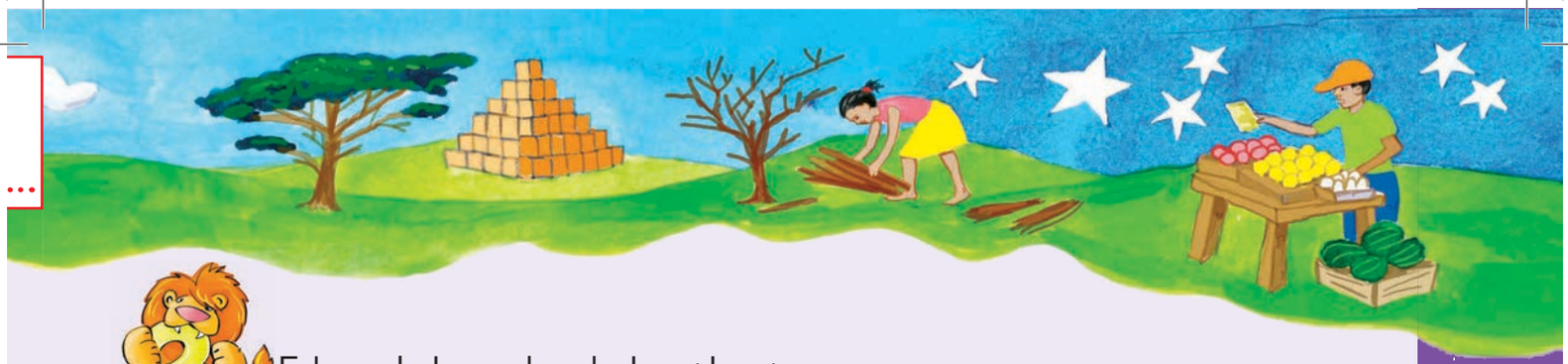
kuyashelela | kuyagicika



Ibhola

kuyashelela | kuyagicika

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Faka umbala emphendvulweni lengiyo.



umnyele loyindilinga

umnyele locondzile



umnyele loyindilinga

umnyele locondzile



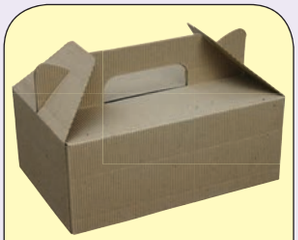
umnyele loyindilinga

umnyele locondzile



umnyele loyindilinga

umnyele locondzile



umnyele loyindilinga

umnyele locondzile



umnyele loyindilinga

umnyele locondzile



umnyele loyindilinga

umnyele locondzile

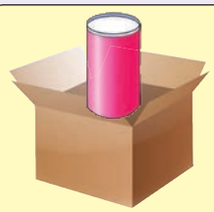


umnyele loyindilinga

umnyele locondzile



Shano kutsi ibhola isemuva, isembikwelibhokisi, eceleni noma ngetulu kwalo.



ngemuva | embikwe

eceleni kwe | etukwe



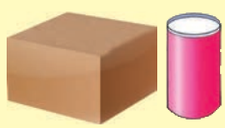
ngemuva | embikwe

eceleni kwe | etukwe



ngemuva | embikwe

eceleni kwe | etukwe



ngemuva | embikwe

eceleni kwe | etukwe



Teacher:

Sign:

Date:

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Lusuku:

Ithemu I

Dvweba, unikete ligama, bese ucatsanisa labobunjwa bebusobubili (i2D)



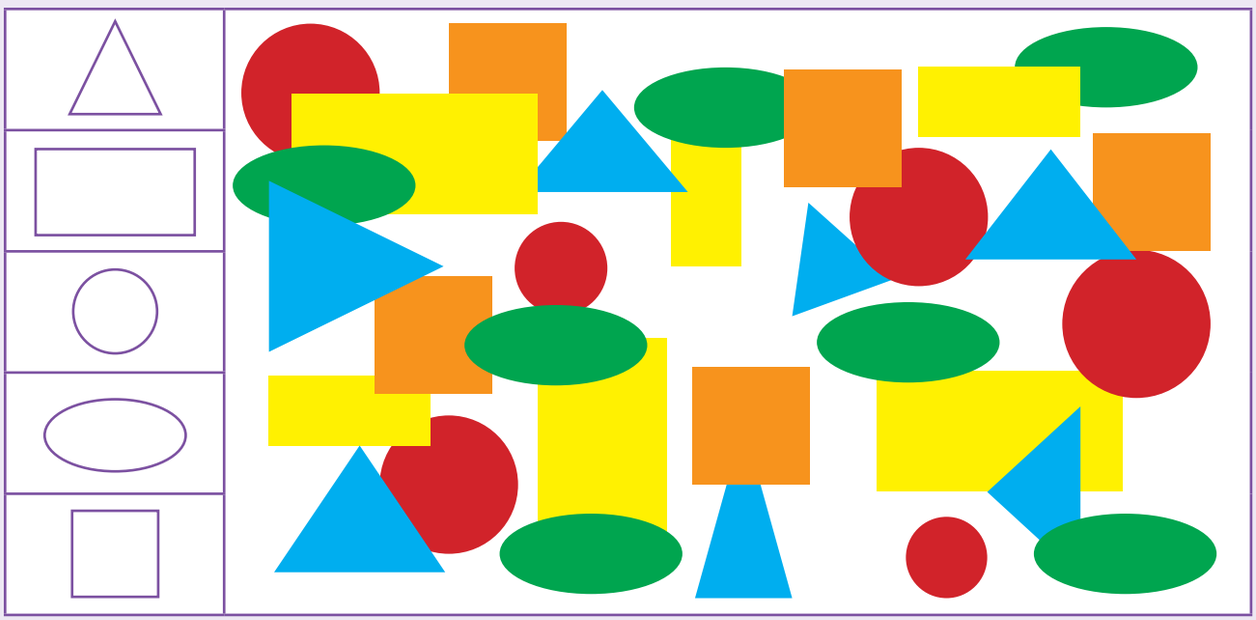
Dvweba bobunjwa

Calantsatfu		Indilinga	
Sikwele		Calandze	



Bala labobunjwa

Bala kutsi bangakhi bobunjwa labafana nalona longabatfola kulesitfombe.



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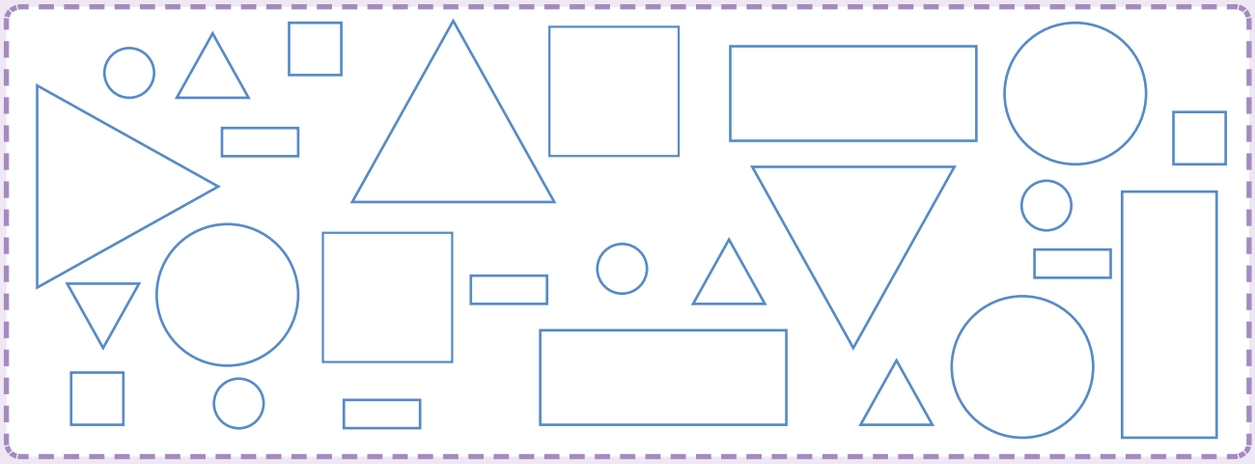




Faka umbala



lobovu kutotonkhe tindilinga letinkhulu, loluhlata kuletincane; lolingangane kubocalantsatfu labakhulu, loliphuti kulabancane, mtfubi etikweleni letinkhulu, letincane losamsobo; lonsundvu kubocalandze labakhulu, lophinki kubocalandze labancane.





Mangakhi emacala?

Bunjwa ngamunye unamangakhi emacala? Bhala inombolo kuleyo bhuloki. **Sikwentele kunye.**
Lamacala acondzile nobe atindilinga? Faka umbala emphendvulweni lengiyo.

kucondzile	indilinga
3	

kucondzile	indilinga

kucondzile	indilinga

kucondzile	indilinga

kucondzile	indilinga

kucondzile	indilinga

kucondzile	indilinga

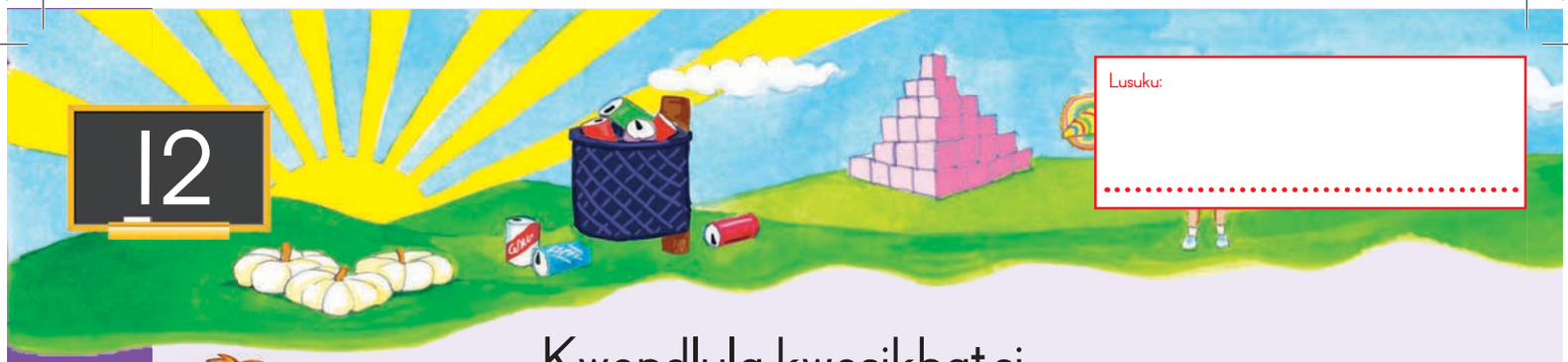
kucondzile	indilinga



Teacher:
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Date:

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12

Lusuku:

Ithemu I

Kwendlula kwesikhatsi



Fundza sikhatsi

Ngabe lamawashi akhombisa tiphi tikhatsi?







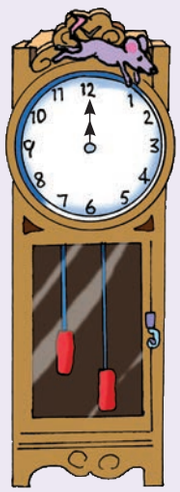


___ enhloko ___ enhloko ___ enhloko ___ enhloko



Zuba ngasewashini

Sita Gundvwanyana kubala imizuzu ngabo 5.
Cala kuli-12. Bala ufike ekugcineni.



Mingakhi imizuzu loyibalile? _____

Mingakhi imizuzu e-aweni li-1? _____



Bhala sikhatsi

Dvweba tandla kukhombisa tikhatsi.



lishumi nesihlanu emva kwa 6



igabence yesi 8



lishumi nesihlanu embi kwa II



lishumi nesihlanu emva kwa 5



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Tumi uya esikolweni.





Usuka ekhaya.



Ufika esikolweni.

Ngabe Tumi utsatsa sikhatsi lesingakanani? ___



Lilanga lekubhaka

Maria ubhaka sinkhwa.



Sinkhwa singena ku-avini.



Sinkhwa siyaphuma.



Sinkhwa sibhakeka imizuzu le _____.



Insayeya

Ngikhona kubona iphethini.



Kusikhatsi lesiphindziwe

a. Gucula lama-awa aye kumizuzu.

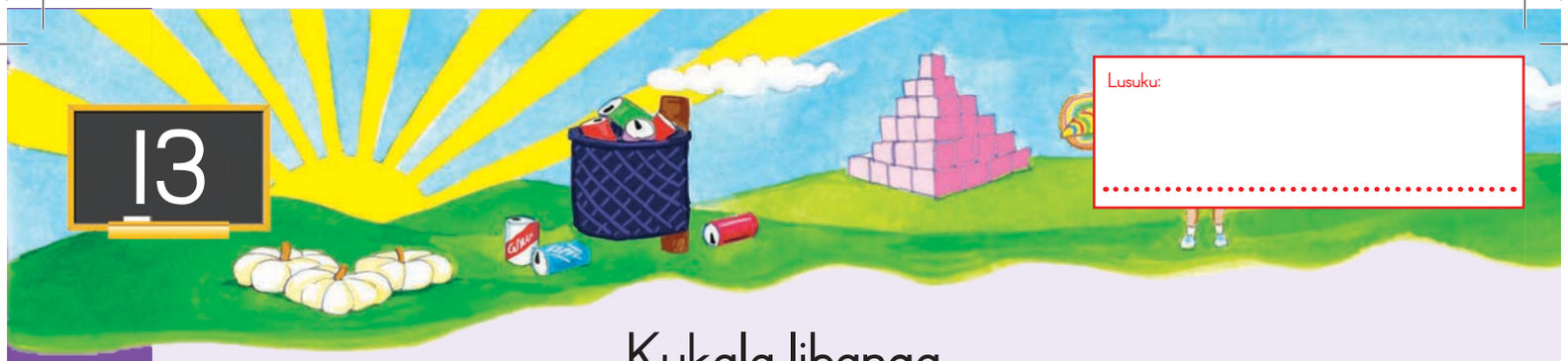
Ema-awa	1	2	4	8
Imizuzu	60			

b. Jabu utsatsa imizuzu lengema-45 kufika esikolweni. Tumi utsatsa sikhatsi lesiphindvwe kabili kulesi. Ngabe Tumi utsatsa ema-awa lamangakhi kufika esikolweni? _____



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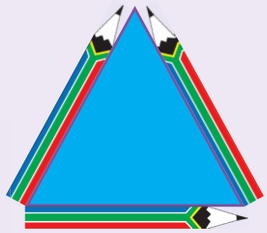
13

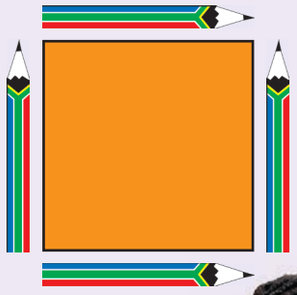
Lusuku:

Ithemu I

Kukala libanga











Sekawonkhe lamacala alocalantsatfu angemapeniseli lama-3 budze.

Sekawonkhe lamacala alesikwele angemapeniseli lama-4 budze.





Engabe localandze unganani budze nebubanti?

Tingakhi tipeniseli letingangena ngebudze kulocalandze?

Tingakhi tipeniseli letingangena ngebubanti kulocalandze?

Budze

Bubanti

Utisebentise kanjani tipeniseli kubala?

1 2 3 4 5 6 7 8 9 10

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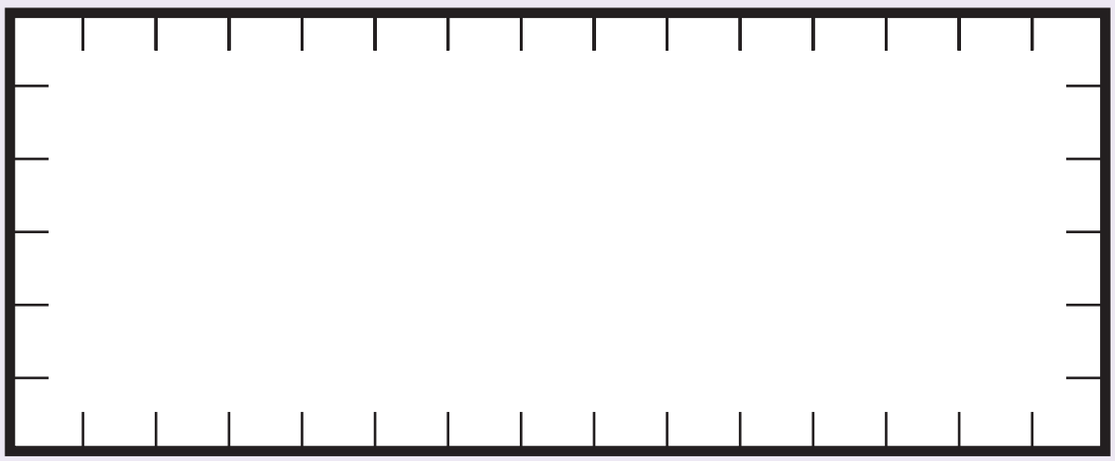


Budze lobuyimfihlo

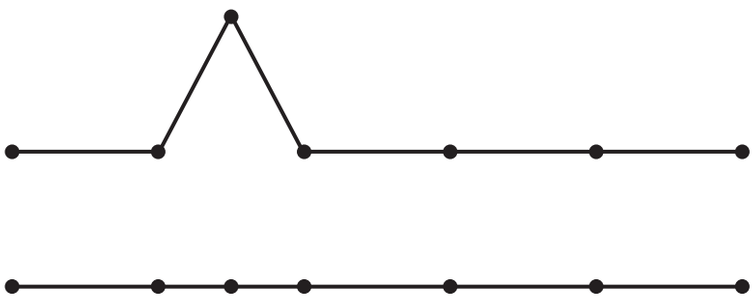
a. Mingakhi imigca **lebovu** loyidzingako kumbonya lomugca lomnyama ?



b. Mingakhi imigca **lebovu** loyidzingako kuhamba ugegelete wonkhe localandze?



c. Nguyiphi lendze indlela, lengetulu nobe lengaphasi, nobe iyafana?



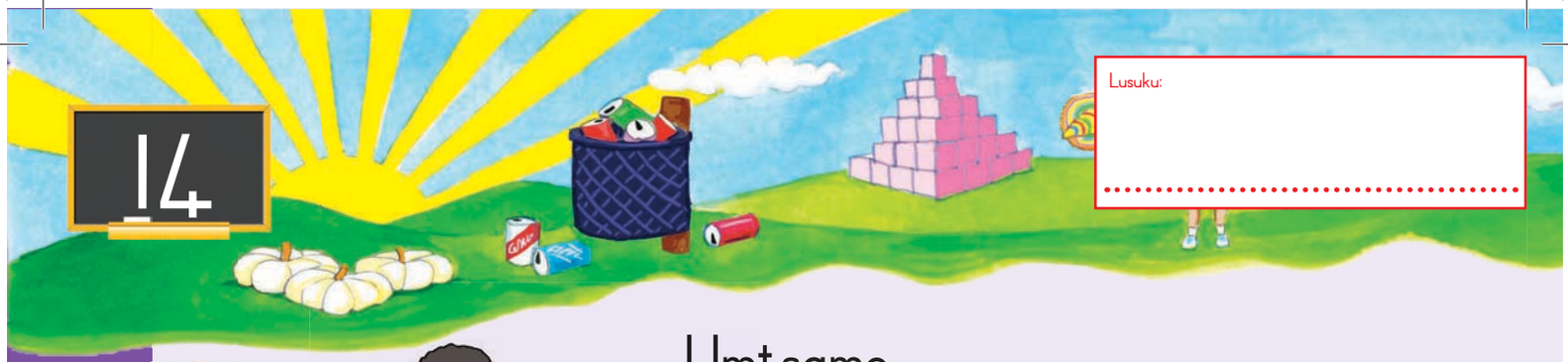
Imphendvulo _____

Kungani? _____

Teacher:
Sign:
Date:

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14

Lusuku:

Ithemu I

Umtsamo





Lesikotela singatsatsa tinkomishi letili-10 temanti. Sevele ngifake letimbili tipunu kulenkomishi.

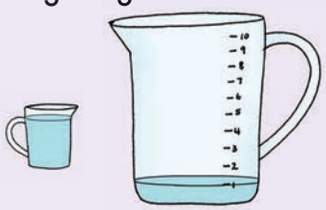
Kusele tingakhi tinkomishi temanti kutsi lesikotela sigcwale?

_____



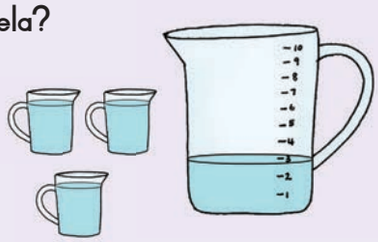
Tingakhi tinkomishi temanti letikulesikotela?
Sidzinga tingakhi tinkomishi kutsi sigcwalise lesikotela?

a.



Esikoteleni 1 Sidzinga lokungetulu 9

b.



Esikoteleni ☐ Sidzinga lokungetulu ☐

c.



Esikoteleni ☐ Sidzinga lokungetulu ☐

d.



Esikoteleni ☐ Sidzinga lokungetulu ☐

e.



Esikoteleni ☐ Sidzinga lokungetulu ☐

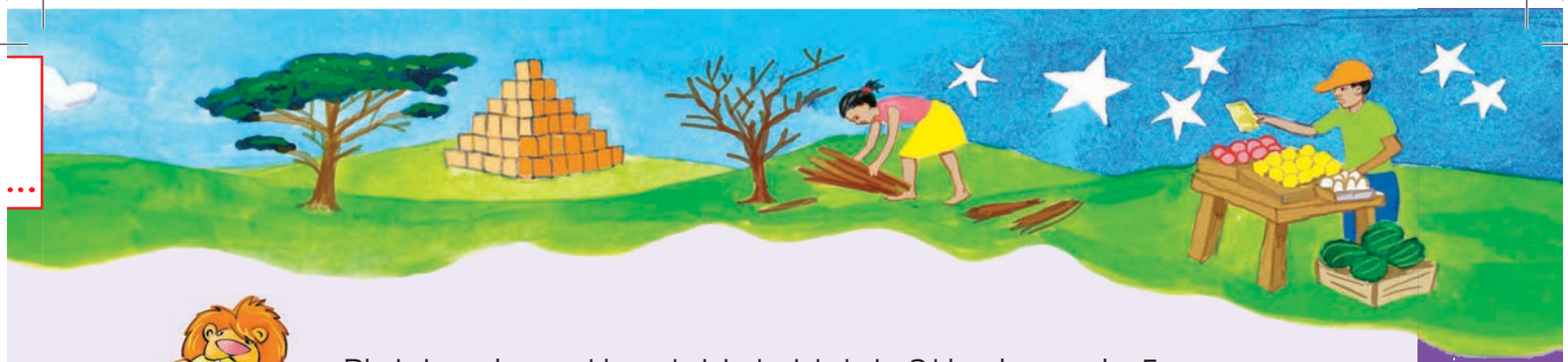
f.



Esikoteleni ☐ Sidzinga lokungetulu ☐

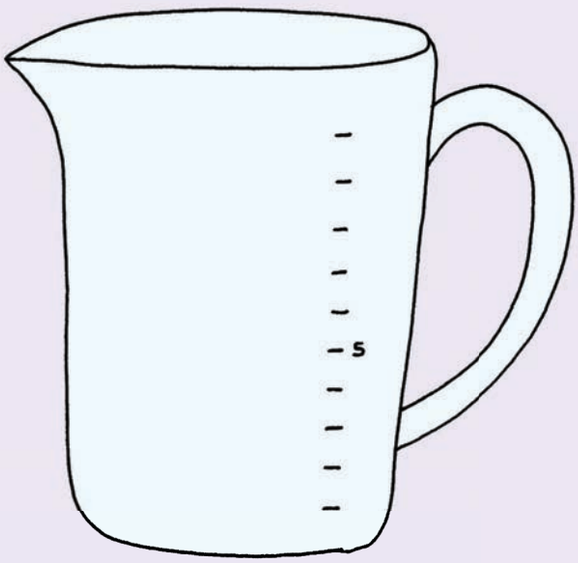
1 2 3 4 5 6 7 8 9 10

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Bhala letigaba temikhatsi kulelijeke lekukala. Sikhombise sigaba 5.



Nangabe inkomishi yinye ifika kumkhawusikalo 2, udzinga tingakhi tinkomishi kugcwalisa lijeke kufike ku?

a. 4 _____

b. 6 _____

c. 8 _____

d. 10_____



Faka luphawu tikotela letimumatsa ilitha yinye yemanti.

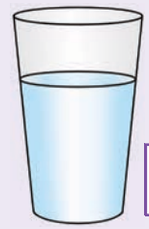








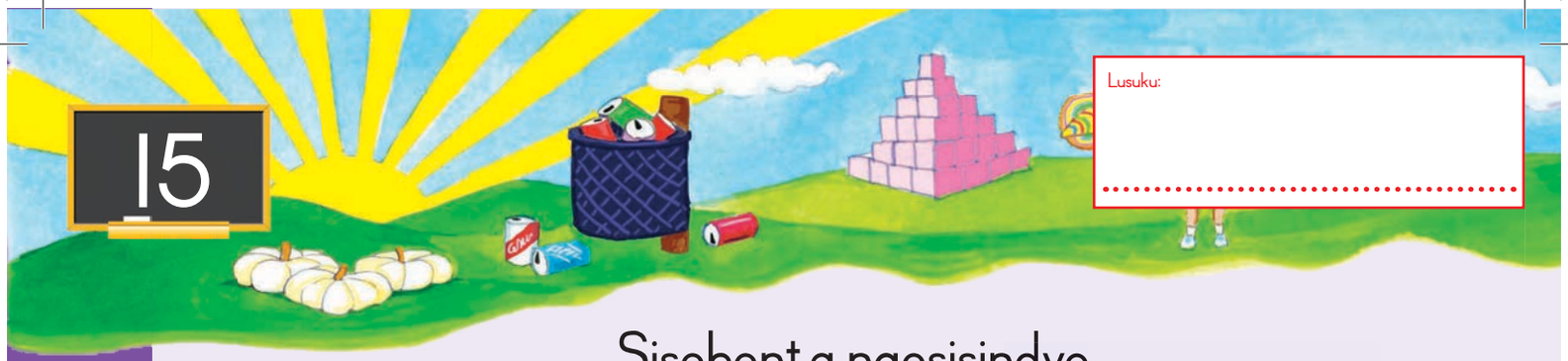




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15

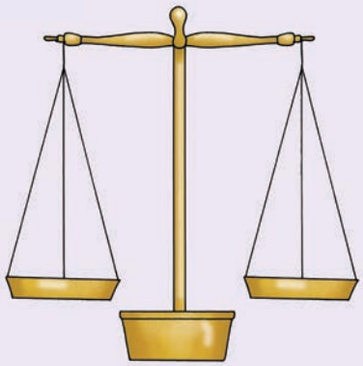
Lusuku:

.....

Sisebenta ngesisindvo



Asilinganiseni sisindvo setfu!



Kutfola kutsi, sisindza nobe simalula ngakanani, sisebentisa sikali.

Silinganiso sisindvo ngemakhilogramu. Sisebentisa lesifinyeto: kg.

Ngubani lonesisindvo lesikhulukati?



41 kg



38 kg



41 kg



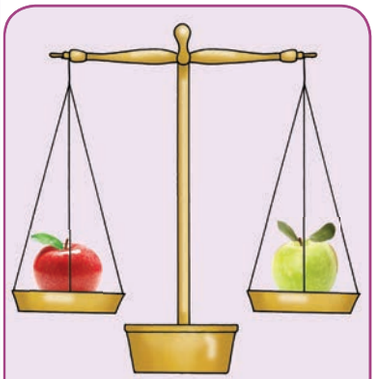
42 kg



39 kg

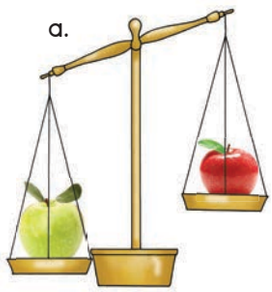


Sisebentisa sikali - masimama kukala sisindvo.

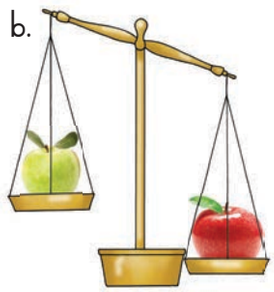


Kulesikali omabili emahhabhula esindza ngekulingana.

a.



b.

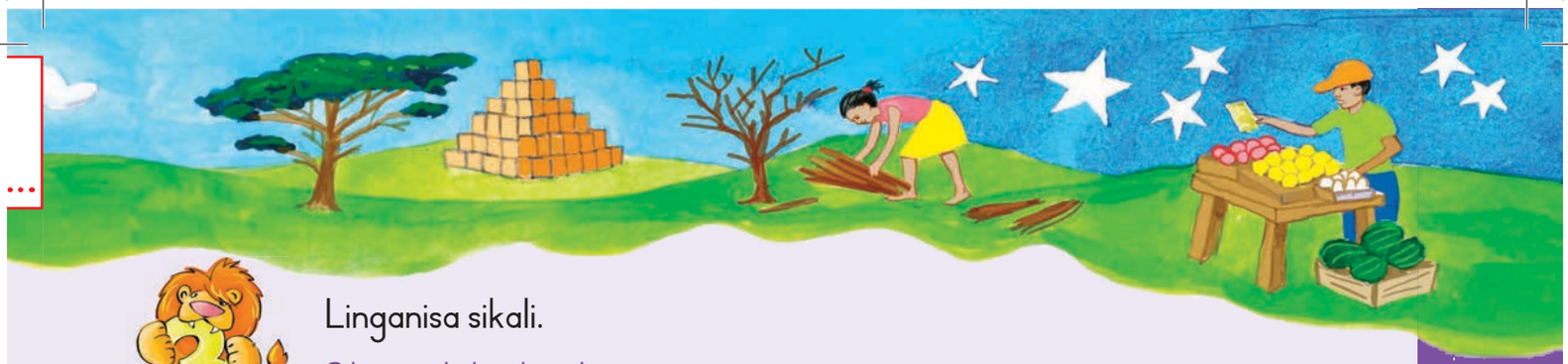


Phendvula umbuto: bhala a noma b.

Ngukusiphi sikali lapho khona lihhabhula lelilulata limatinyana kunelihhabhula lelibovu ☐

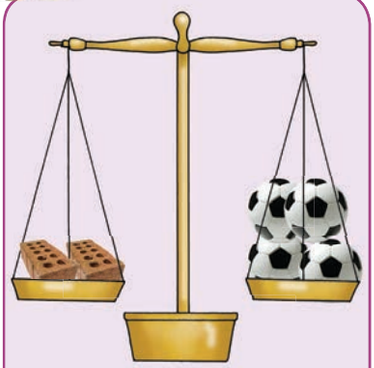
Ngukusiphi sikali lapho khona lihhabhula lelilulata limalulana kunelihhabhula lelibovu ☐

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Linganisa sikali.

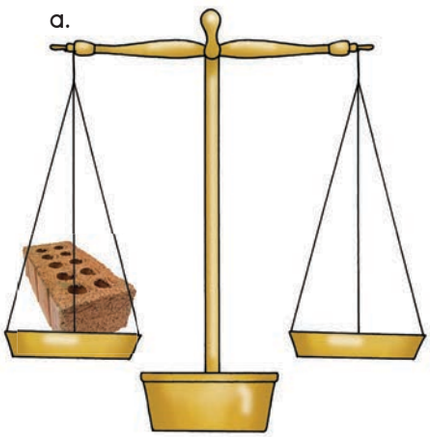
Sikwentele kwekucala.



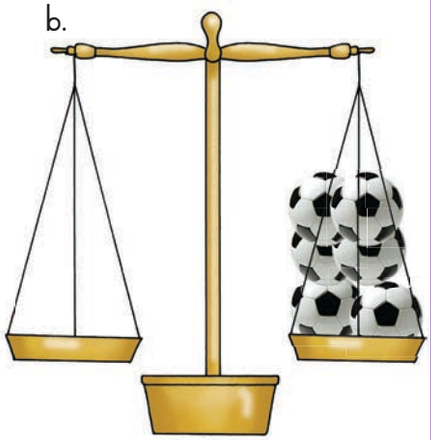
Titini letimbili tinesisindvo lesilinganako nemabhola lamane.

Dvweba kutsi tingakhi titini noma emabhola lowadzingako kwenta letikali tisimame.

a.



b.



Nangabe liphasela linye linesisindvo lesingu 3 kg, emaphasela lama-2 nama-3 atawusindza kangakanani?



a. 2 emaphasela _____

b. 3 emaphasela _____

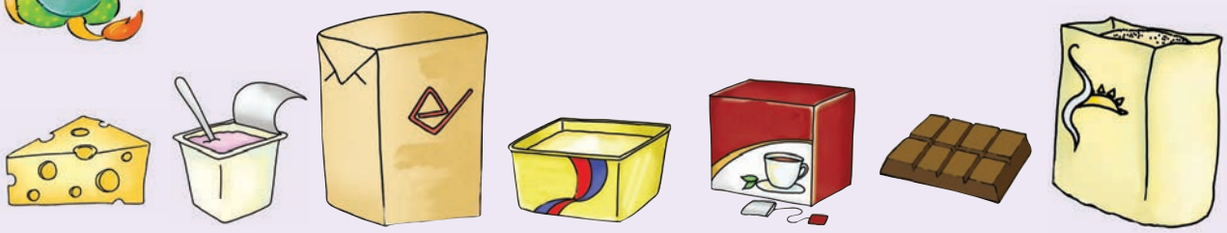
c. Ngingawakala yini emaphasela lama-4 ngasikhatsi sinye kulesikali sasekhishini? _____

Usho ngani? _____

_____

_____

Faka luphawu ebhulokini yemphendvulo lenetintfo letinesisindvo sa 1 kg.



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Date:

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16

Lusuku:



Kusebenta ngemininingwane



Ticatfulo ekilasini

Fundza lendzaba.

Thabo: Hawu, Nkhosikati! Jack sidlakela! Ugcoka sayizi 6 weticatfulo!

Nkhs Khoza: Kulungile! Yebo, Thabo, loko kukhulu kumntfwana lonemfica yemnyaka budzala! Wena Thabo ugcoka sayizi bani weticatfulo? Ngabe likilasi selilonkhe ligcoka sayizi bani weticatfulo? Asenteni umklamo!

Bafundzi abasho emasayizi eticatfulo tabo, ngamunye ngamunye.

Make Khoza ubala emasayizi ebhodini.

Make Khoza: Bala, bese ubhala kutsi mangakhi emasayizi ngayinye etafuleni.

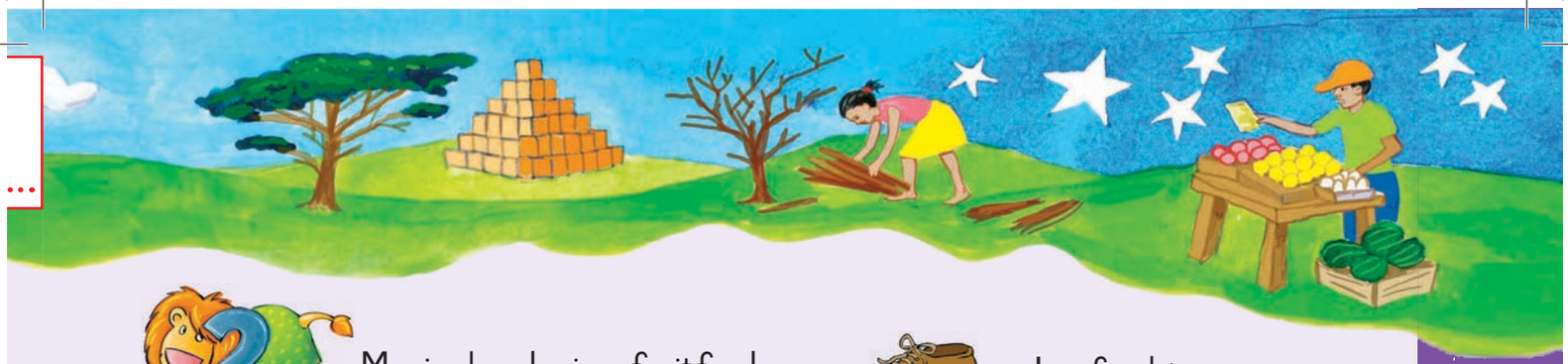
2	2	3	1	2	3	1	4	3	2	3
2	3	2	6	2	2	3	3	3	4	3
4	2	2	3	3	5	3	2	2	2	1
1	1	2	4	2	3	2	3	4	2	4
4	3	2	2	3	1	2	2	1	4	3

Gcwalisa lelithebula ngaphasi.

Emasayizi eticatfulo ekilasini					
Isayizi 1	Isayizi 2	Isayizi 3	Isayizi 4	Isayizi 5	Isayizi 6

1 2 3 4 5 6 7 8 9 10

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Manje dvweba igrafusitfombe.



= I umfundzi

					
Isayizi I	Isayizi 2	Isayizi 3	Isayizi 4	Isayizi 5	Isayizi 6



Nyalo phendvula lemibuto.

a. Bafundzi labanyenti bagcoka yiphi isayizi yeticatfulo _____.

b. Linani lelincane ligcoka isayizi _____.

c. _____ webantfwana bahlanganyele kulomklamo.



Nine-ke nigcoka yiphi isayizi?

Tfola kutsi wena nebangani bakho nigcoka waphi emasayizi!

- Sebentani ngemacembu alaba-6 nalabasi-8.
- Gcogca idatha yakho.
- Bhala lelinani lemasayizi eticatfulo etafuleni.
- Catsanisa timphendvulo nalamanye emacembu.



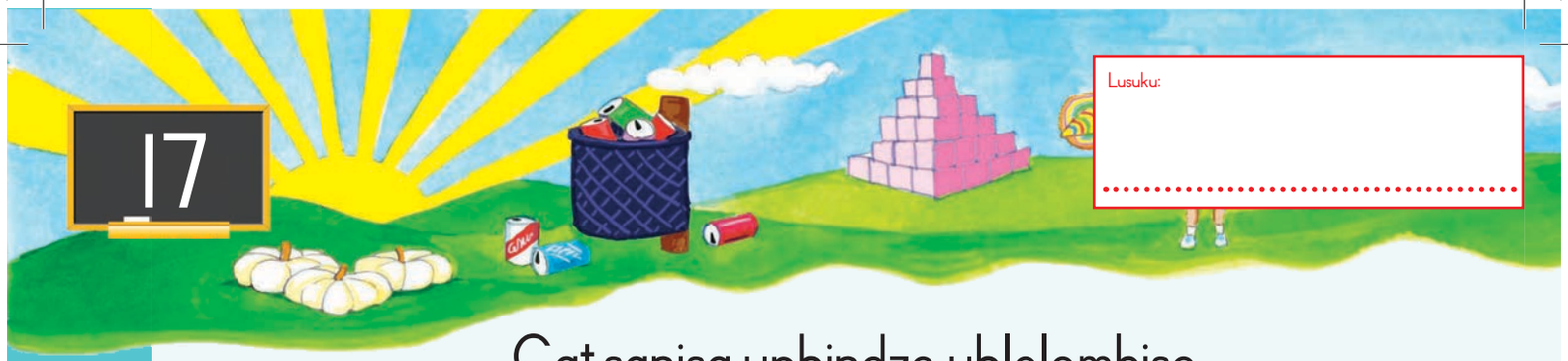
Teacher:

Sign:

Date:

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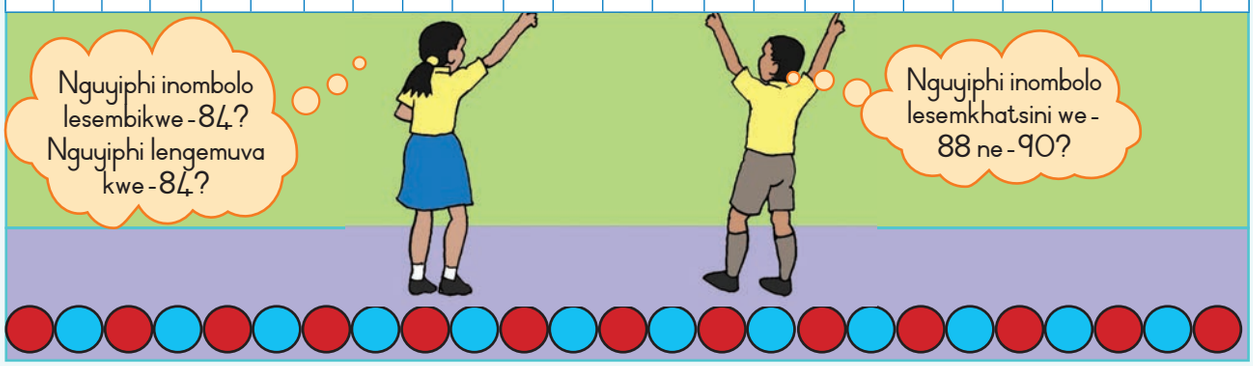
17

Lusuku:

Ithemu I

Catsanisa uphindze uhlelembise tinombolo

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





Gcwalisa tinombolo letishiyiwe.

51									
						67			
71									
									100

Sebentisa libhodi nombolo kuphendvula lemibuto

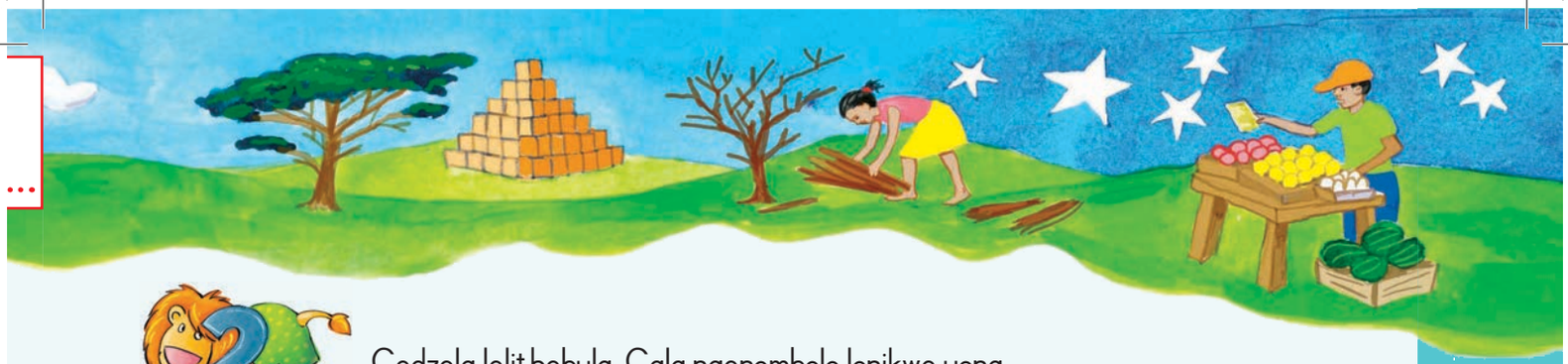
- Nguyiphi inombolo lesembikwe-68? _____
- Nguyiphi inombolo lesemva kwe-68? _____
- Bhala phasi tinombolo letisihlanu letincane kune-71. _____, _____, _____, _____, _____
- Bhala phasi tinombolo letisihlanu letingetulu kwe-71. _____, _____, _____, _____, _____
- Ngutiphi tinombolo letisemkhatsini we-79 ne-84?_____
- Bhala tinombolo kusukela kulencane kuya kulenkhulu. 73, 52, 50, 59, 61

  _____
- Bhala tinombolo kusukela kulenkhulu kuya kulencane. 74, 96, 99, 91, 38

  _____

1 2 3 4 5 6 7 8 9 10

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Cedzela lelithebula. Cala ngenombolo lonikwe yona.

	lenkhulu ngakunye	lencane ngakunye	lengetulu ngelishumi	lengephasi ngelishumi
25				
39				
74				
56				
40				



Kipilitela inombolo lenkhulu kakhulu.

78	87	17		36	63	33

Kipilitela inombolo lencane kakhulu.

99	19	9		14	41	40



Nangabe < asho lokuncane kuna, kani > usho lokukhulu kuna, cedzela:

32 [<] 64 23 [>] 18

57 [ ] 98 89 [ ] 57

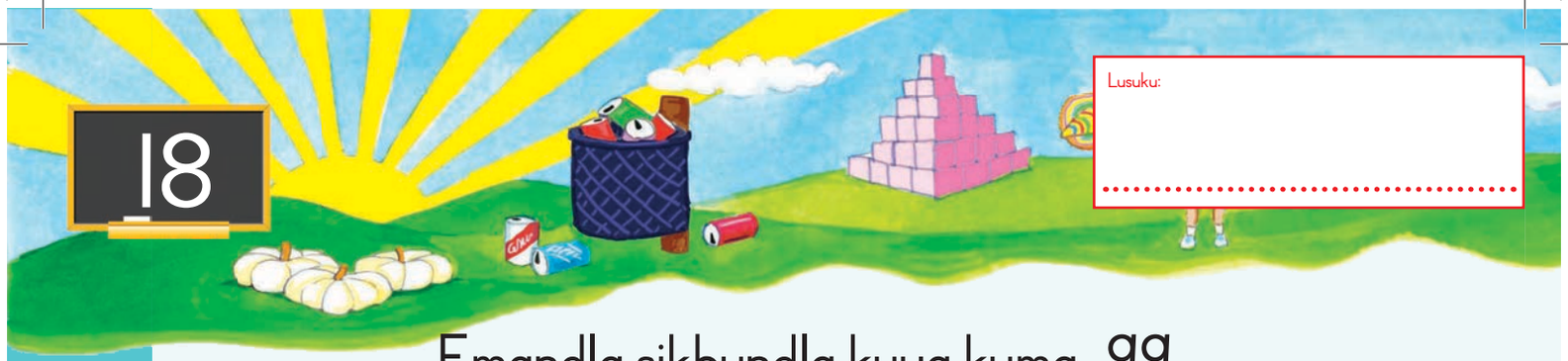


Tfola tinombolo letisi-5 ephephandzabeni letisemkhatsini we-50 ne-99 bese utinamatsisela lapha ngekulandzelana.



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Emandla sikhundla kuya kuma-99

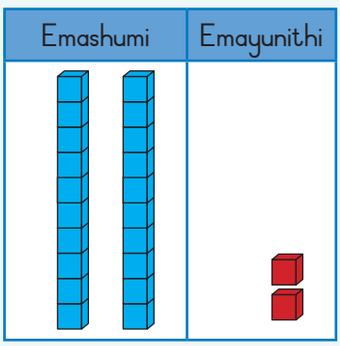


Kukhombisa tinombolo usebentisa tintfo

Singakhombisa tinombolo ngemabhuloki emandla-sikhundla.

Libhuloki lelincane limele ku-1. Liyiyunithi.

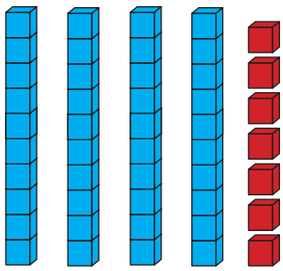
Indvuku leneli-10 lemabhuloki lamancane imele li-10 Ilishumi.



Emashumi	Emayunithi

Ungakhombisa inombolo ngekusebentisa emashumi nemayunithi.

Nayi indlela yekukhombisa ema-47.



Emashumi	Emayunithi
4	7

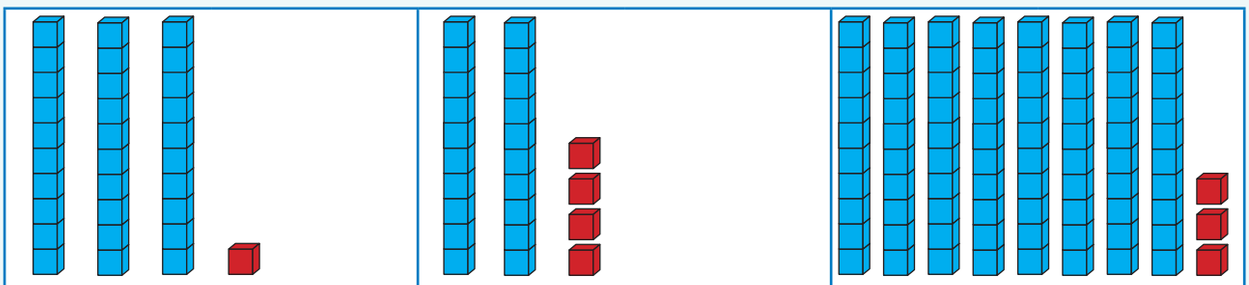
emashumi lamane nesikhombisa

47



Kubhala tinombolo ngemadijithi nangemagama

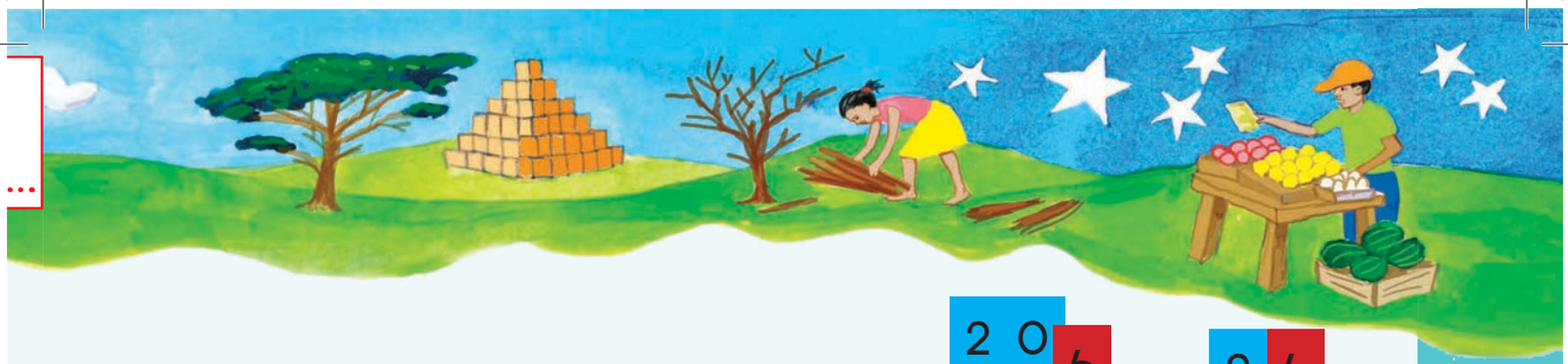
a. Ngaphasi kwesitfombe, bhala kutsi mangakhi emashumi nemayunithi. Emva kwaloko bhala inombolo ngemadijithi nangemagama.



Emashumi	Emayunithi	Emashumi	Emayunithi	Emashumi	Emayunithi
3	1				
31 mashumi lamatsatfu nakunye		_____ _____		_____ _____	



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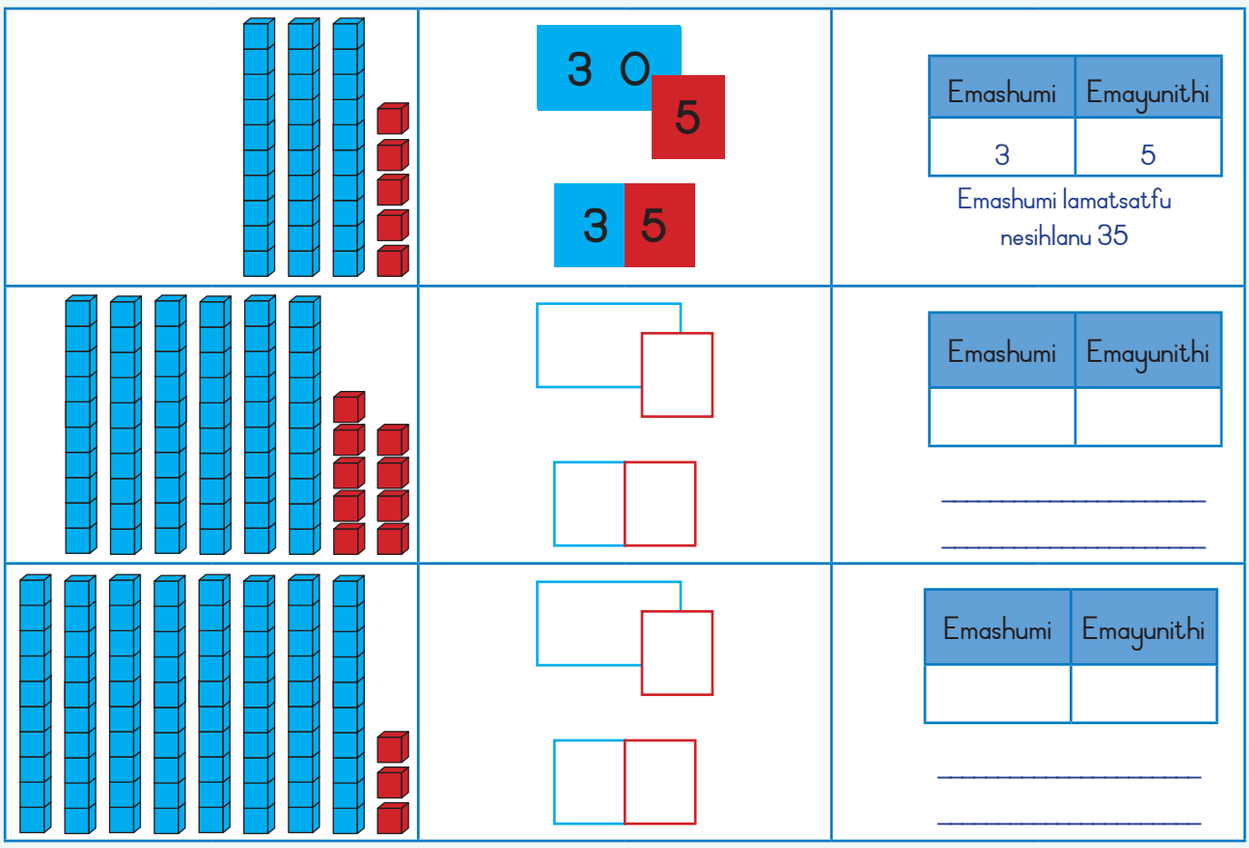


b. Singawasebentisa emakhadi nombolo kukhombisa loku lokungetulu.

Inombolo	Mangakhi emashumi?	Mangakhi emayunithi?	Bhala lenombolo ngemagama
26	2	6	Emashumi lamabili nesitfupha
46			
99			

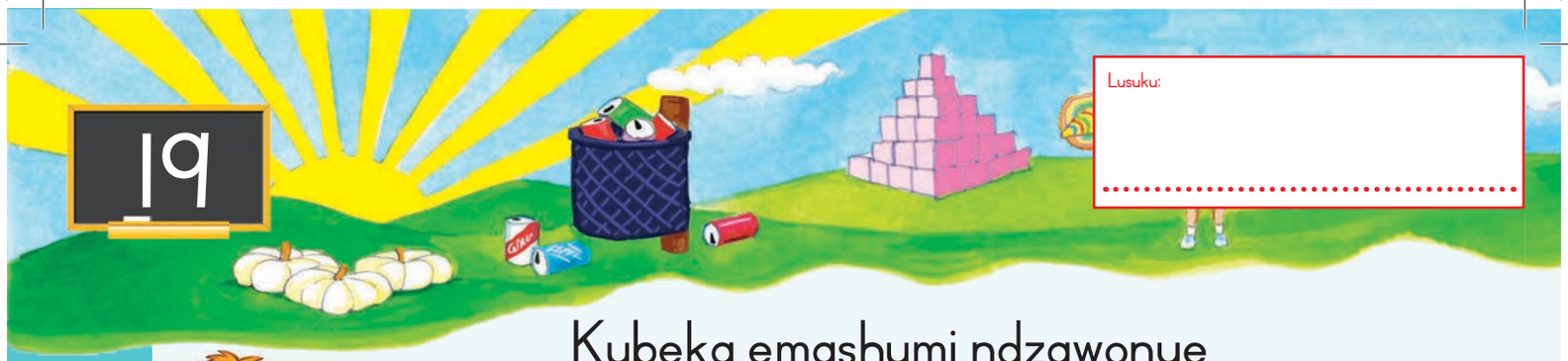


Ngubani inombolo?





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19

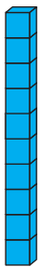
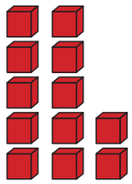
Lusuku:

Kubeka emashumi ndzawonye uma sihlanganisa kufika kuma-99

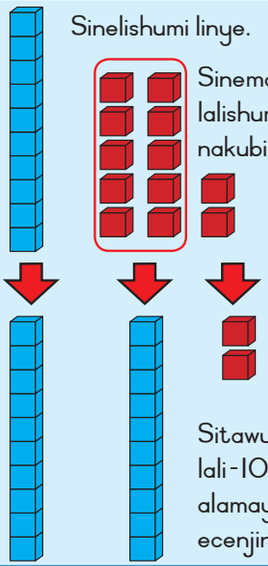


Fundza

Nayi indlela yinye yekukhombisa 22.

Emashumi	Emayunithi
	
1 lishumi	12 emayunithi
1 0	1 0 2

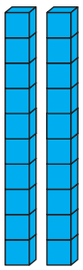
Sinelishumi linye.



Sinemayuthi lalishumi nakubili.

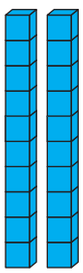
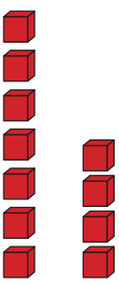
Sitawubeka lali-10 alamayunithi ecenjini

Nyalo sinalenye indlela yekukhombisa 22.

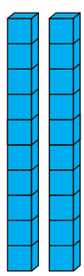
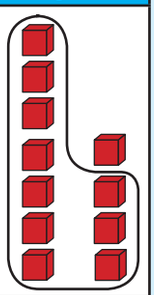
Emashumi	Emayunithi
	
2 emashumi	2 emayunithi
2 2	

Asihlanganiseni 27 + 4. Lamabhuloki lalingangane ngulawa lesicala ngawo. Lawa labovu ngulawa lesiwengetako.

27 ngemashumi lama-2 kanye nemayunithi la-7. Emva kwaloko singengeta lamanye emayunithi la-4.

Emashumi	Emayunithi
	
2 Emashumi	7 emayunithi + 4 emayunithi
2 0	7 4

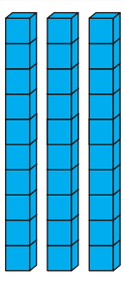
Sinemashumi lama-2 nemayunithi la-11.

Emashumi	Emayunithi
	

Singakhombisa emayunithi la-10 njengelishumi linye.

2 0 1 0 1

Nyalo sinemashumi lama-3 + 1 yunithi = 31

Emashumi	Emayunithi
	

___ + ___ = ____

3 1

1 2 3 4 5 6 7 8 9 10

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Bhala lomushonombolo lokhonjiswe esitfombeni

Emashumi	Emayunithi

10 + 5 + 6

Emashumi	Emayunithi

___ + ___ + ___

Emashumi	Emayunithi

___ + ___ = ____

Cedzela letitfombe. Bhala imishonombolo lekhonjiswa sitfombe.

Emashumi	Emayunithi

Emashumi	Emayunithi

Emashumi	Emayunithi

Emashumi	Emayunithi

Emashumi	Emayunithi

Emashumi	Emayunithi

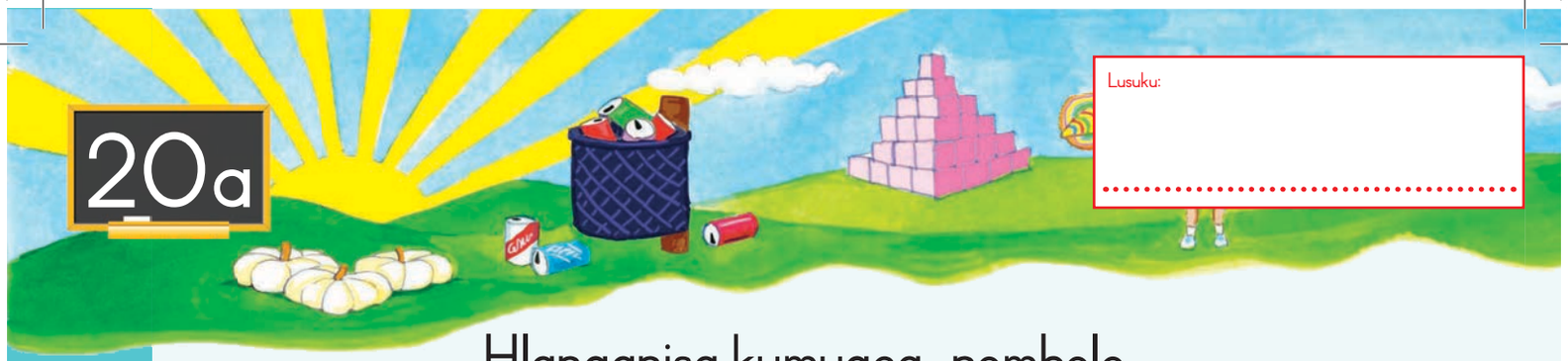
Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

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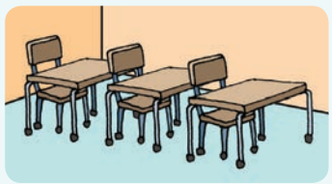
20a

Lusuku:

Hlanganisa kumugca-nombolo

Ithemu I

Hlala edesikini lakho!

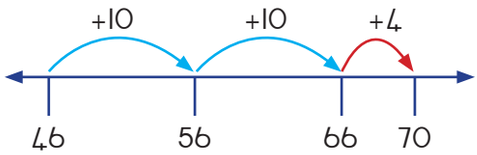


Esikolweni setfu umfundzi ngamunye unelidesiki lakhe.
Kunebafundzi labama-46 kuLibanga 3A kantsi bangema-24 kuLibanga 3B. Sidzinga mangakhi emadesiki kulamakilasi lamabili?

Sebenta nemngani

Buka kutsi labafundzi labatsatfu bawusebentise njani umugca-nombolo kucatulula inkinga. Cedzela letibalo ngekusebentisa lesibonelo.





Loku nguloku lengikwentako: Ngicala ngekwengeta li-10. Loku kunginiketa ema-56. Ngibese ngizuba lelinye li-10 kufika kuma-66. Futsi kwekugcina, ngizuba lomunye 4 kufika kuma-70.

Yikhombise ngemakhadi nombolo akho

$= 46 + 10 + 10 + 4$

$= 56 + 10 + 4$

$= 66 + 4$

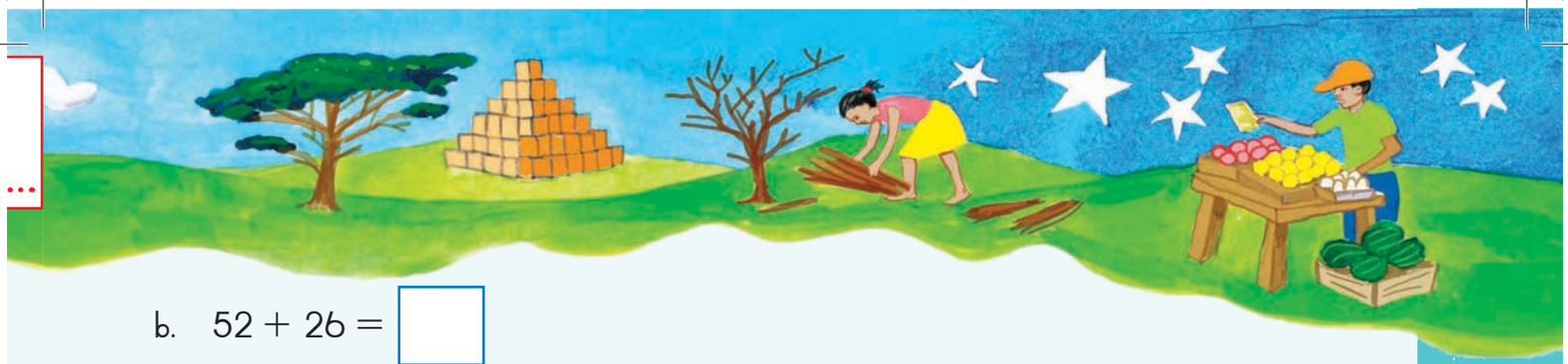
$= 70$



a. $32 + 25 =$ ☐



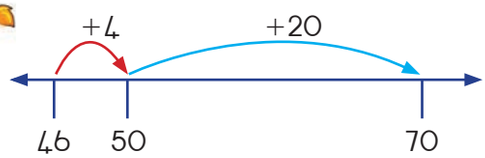
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b. $52 + 26 =$ ☐

c. $46 + 25 =$ ☐





Kumele ngihlanganise ema-24 kuma-46.



Loku nguloku lengikwentako: Kwekucala ngizuba-4. Loku kutangiletsa kuma-50. Ngingaphindze ngizube ema-20 futsi, lokungiletsa kuma-70.

Yikhombise ngemakhadi nombolo akho.

$= 40 + 10 + 20$

$= 50 + 20$

$= 70$

a. $36 + 41 =$ ☐

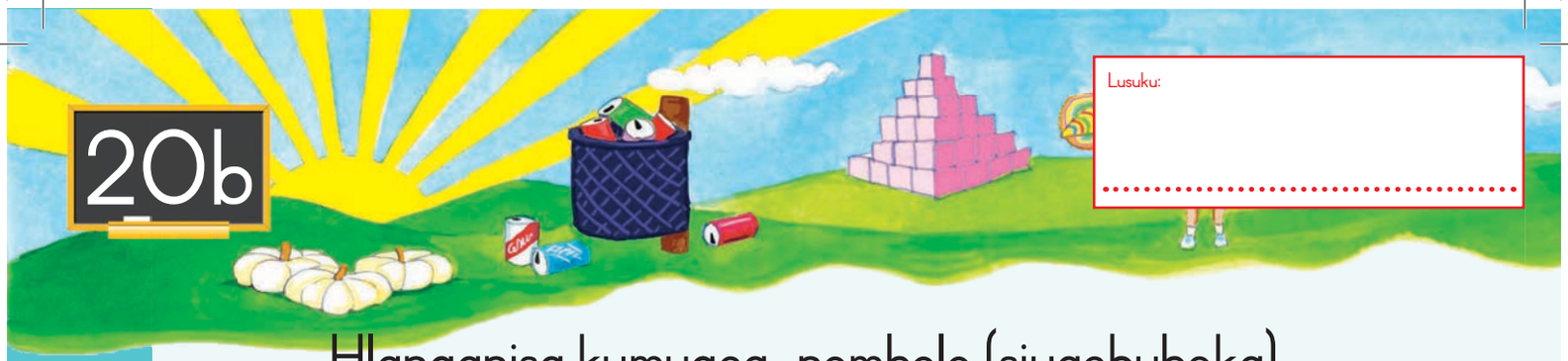
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20b

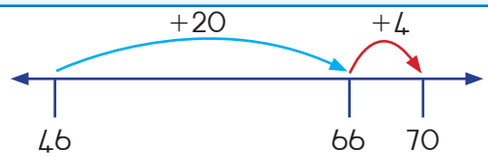
Lusuku:

Hlanganisa kumugca-nombolo (siyachubeka)

Ithemu I

b. $57 + 19 =$ ☐





Kumele ngihlanganise ema-24 kuma-46.



Loku nguloku lengikwentako: Kusuka kuma-46, ngingazuba ema-20. Loku kungiletsa kuma-66. Nyalo kumele ngizube-4 futsi bese sengifika kuma-70.

Singawasebentisa futsi emakhadi nombolo.

$= 46 + 20 + 4$

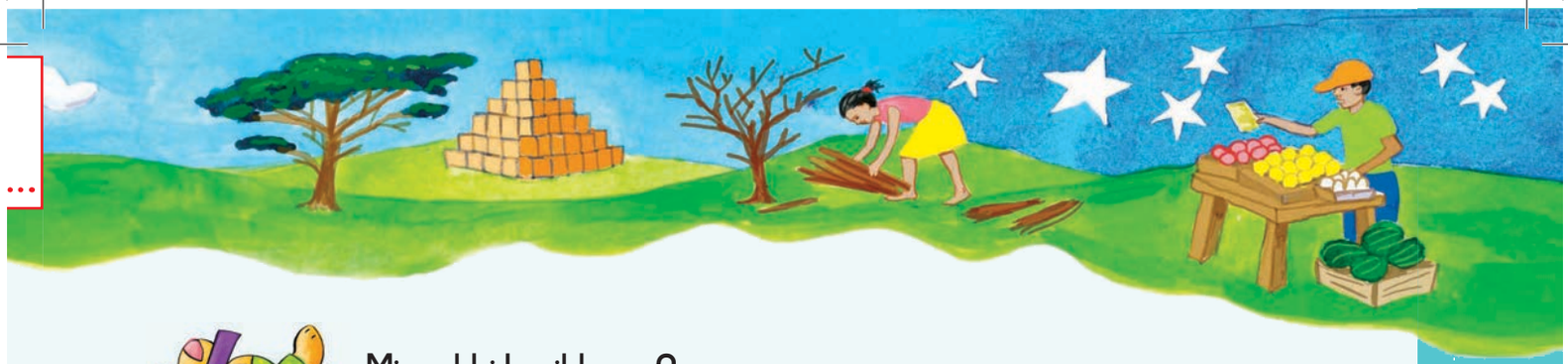
$= 66 + 4$

$= 70$

a. $63 + 24 =$ ☐

b. $65 + 29 =$ ☐

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Mingakhi lemikhama?

Umbhaki uletsa imikhama lengema-54 etinkhwa letinsundvu nalengema-68 yaletimhlophe.

a. Mingakhi imikhama seyiyonkhe?

b. Tfola ithothali kumugcanombolo. Khombisa **letinombolo nebukhulu** bekuzuba.

- Khombisa tinombolo nebudze bekuzuba.

Hlanganisa lolokulandzelako ngaphandle kwekusebentisa umugcanombolo. Sebentisa noma nguyiphi indlela loyitsandzako.

38 + 24 =

58 + 17 =

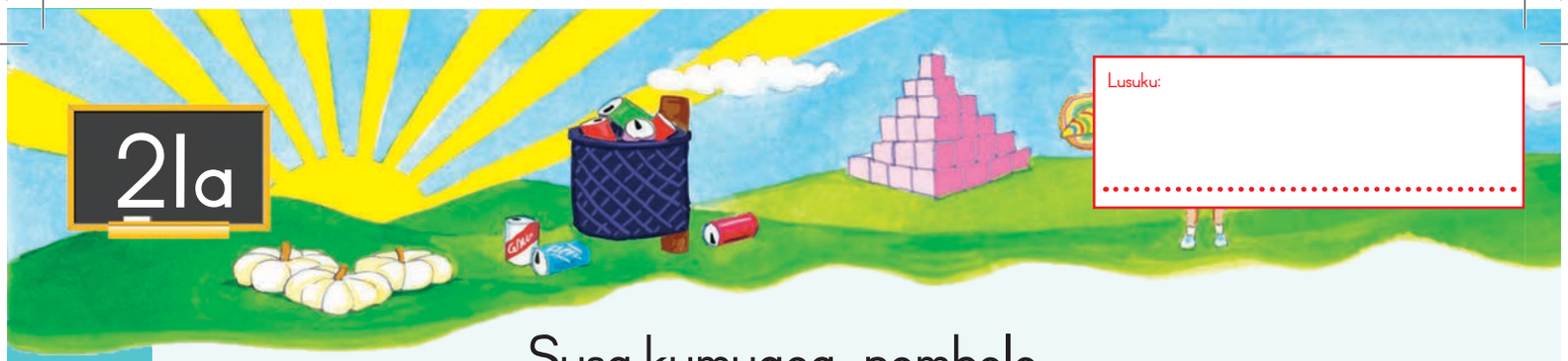
75 + 16 =

83 + 29 =

Teacher:
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Date:

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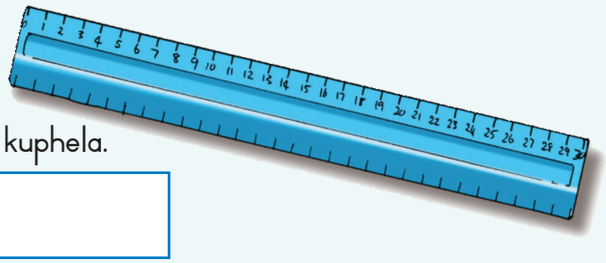
Lusuku:

21a

Ithemu I

Susa kumugca-nombolo

Umfundzi munye! Irula yinye!



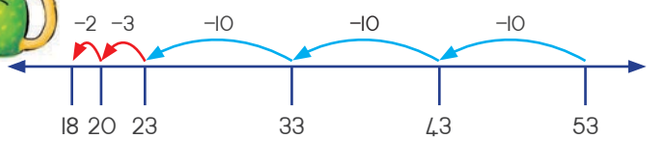
Likilasi lidzinga emarula langema-53. Sinalangema-35 kuphela.

Mangakhi lamanye lesiwadzingako? 53 – 35 =

Sebenta nemngani

Fundza kutsi labafundzi labatsatfu labafanako bawusebentise njani umugcanombolo lapha. Cedzela letibalo usebentisa lesibonelo.





Kumele ngisuse ema-35 kuma-53. Kususa kusho kukhipha.



Ngako-ke, ngitawucala kuma-53 bese ngiyakhipha. Ngitawukhipha li-10, 10, 10 – loku kungiletsa kuma-23. Nyalo ngitawukhipha sihlanu, kwekucala ngikhipha-3, bese ngifika kuma-20. Bese ngikhipha ku-2 futsi bese ngifika kuli-18. Ngako-ke sidzinga emarula lali-18.

= 53 – 10 – 10 – 10 – 3 – 2

= 43 – 10 – 10 – 3 – 2

= 33 – 10 – 3 – 2

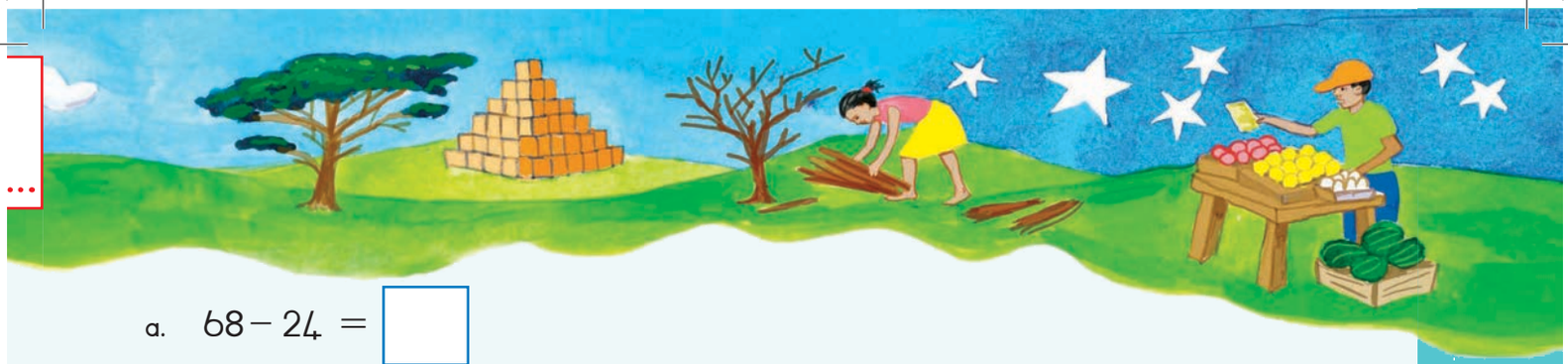
= 23 – 3 – 2

= 20 – 2

= 18

1 2 3 4 5 6 7 8 9 10

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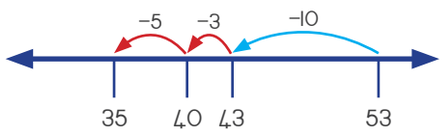


a. $68 - 24 =$ ☐

b. $74 - 38 =$ ☐

c. $92 - 87 =$ ☐





Kususa kusho kutfola umehluko emkhatsini wema-53 nema-35.



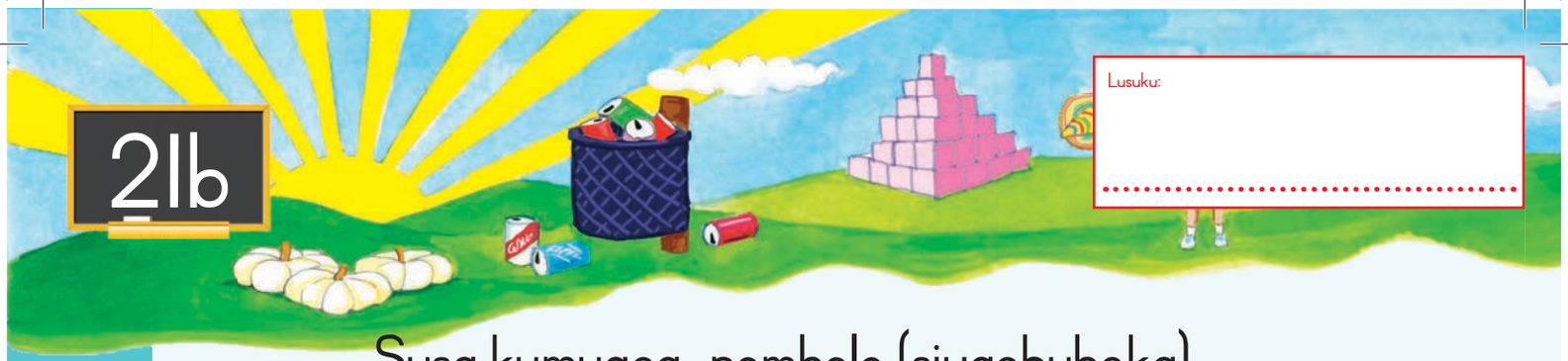
Ngitawucala kuma-53 bese ngibala ngehlela kuma-35 kutfola umehluko. Uma ngibalela emuva ngeli-10, ngitfola ema-43. Ngibale ka-3 futsi kutfola ema-40. Emva kwaloko ngibale ngehle kasi-5 futsi kutfola ema-35. Li-10 naku-3 nesihlanu kwenta li-18. Ngako-ke sidzinga emarula lali-18 lamanye.

a. $38 - 14 =$ ☐

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Date:

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21b

Lusuku:

.....

Ithemu I

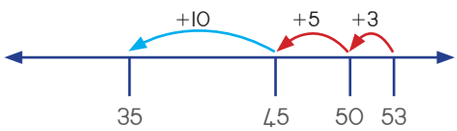
Susa kumugca-nombolo (siyachubeka)

b. $65 - 43 =$ ☐

c. $72 - 39 =$ ☐

d. $85 - 48 =$ ☐





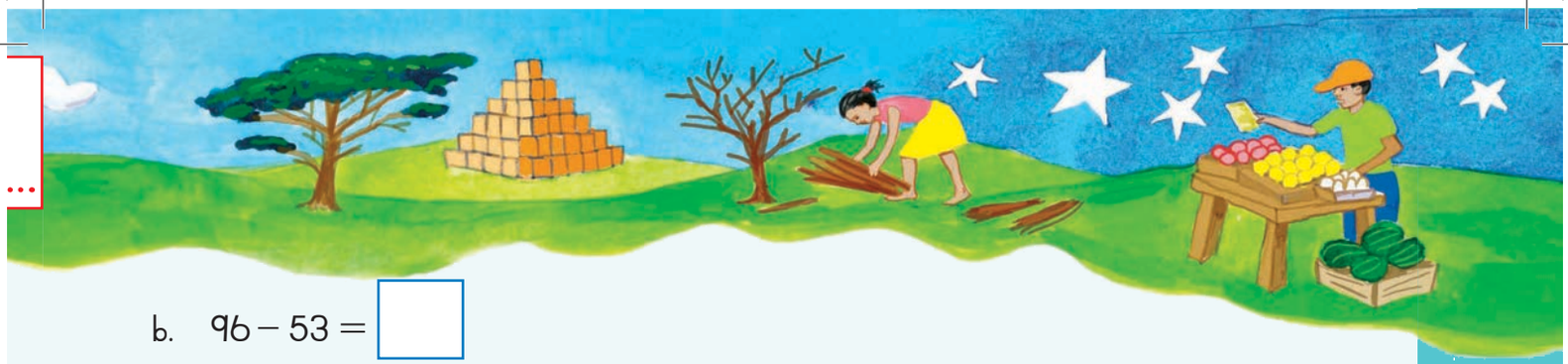
Ngingacala kuma- 35 bese ngibuka kutsi kumele ngizube kangaki kute ngibale ngifike kuma- 53.



Ngingacala kuma-35 bese ngiyabuka kutsi ngingazuba kangakhi kufika kuma-53. Lishumi nesihlanu nakutsatfu kwenta li-18. Sidzinga emarula lali-18 lamanye.

a. $84 - 32 =$ ☐

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b. $96 - 53 =$ ☐

c. $78 - 19 =$ ☐

d. $63 - 47 =$ ☐

4 Kuhamba ngetekisi



Luhambo ngetekisi kuya edolobheni ngema-65 km.

Kwanyalo letekisi seyihambe ema-38 km.

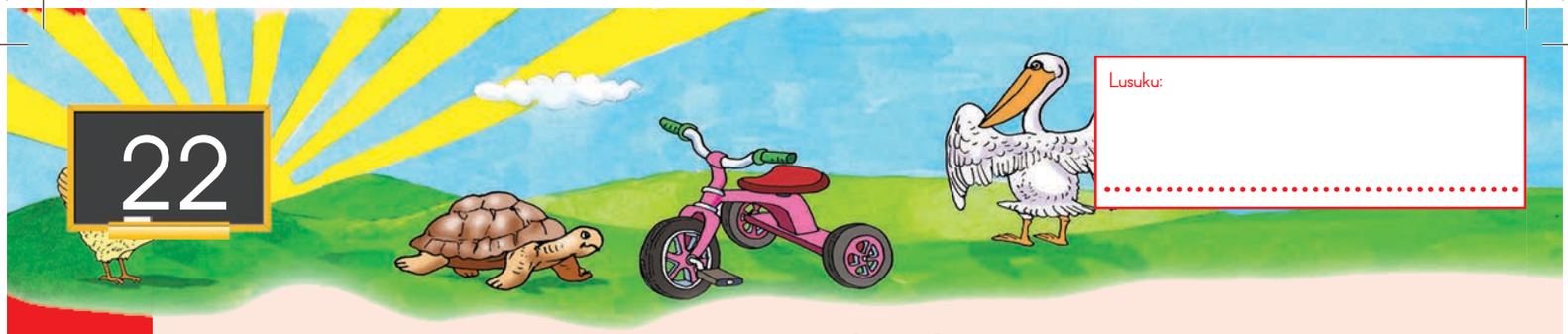
Kusamele kuhanjwe libanga lelingakanani?
Sebentisa umugcanombolo kucatulula lenkinga.

km

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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22

Lusuku:

Ithemu I

Sikhatsi selidzili



Luhlelo lwekucala

Busi ucele bonkhe bangani bakhe kutsi bamnikete titfombe tekudla kwelidzili labakutsandzako. Naku lakukolekile. Sita ucatulule.



Bala, futsi ubhale kwekutsi bangakhi bangani labakhetse lolo nalolo hlobo lwekudla.				
Luhlobo lwekudla				
Inombolo				

1 2 3 4 5 6 7 8 9 10

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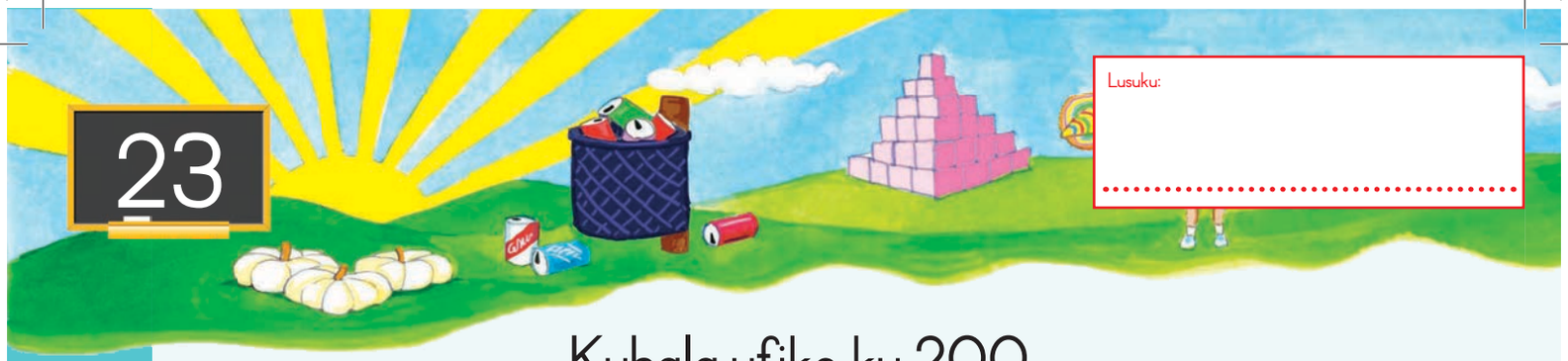
Cedzela igrafusitfombe. Sebentisa lithebula lakho kukusita.
Dvweba buso bunye (☺) kumntfwana ngamunye lokhetsa loko kudla noma sinatfo.

☺			
☺			
☺			
☺			
☺			
☺			
☺			
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Sign:
Date:

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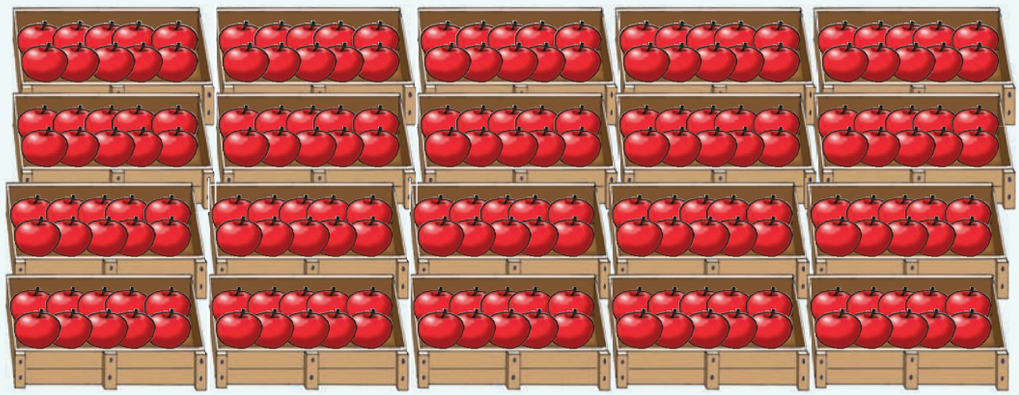
23

Lusuku:

Kubala ufike ku 200



Bala emahhabhula?



Faka letinombolo

Libhokisi li-1 lina ☐ wemahhabhula

Luhele lu-1 luna ☐ wemahhabhula

Luhele lu-1 luna ☐ wemabhokisi

Emahele lama-4 ana ☐ wemahhabhula



Mangakhi ke emahhabhula lesingawafaka kulamabhokisi?

a.  ☐

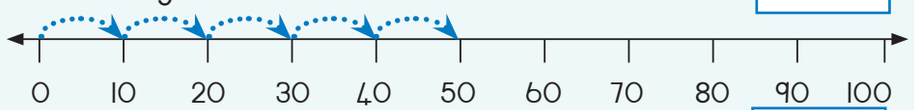
b.  ☐

c.  ☐

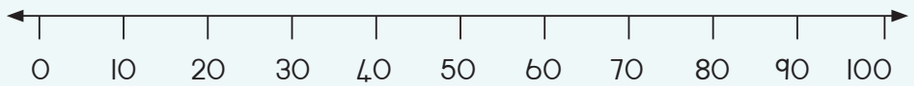


Bala kulomugcanombolo.

a. Ataba mangakhi emahhabhula emabhokisini lasihlanu? ☐

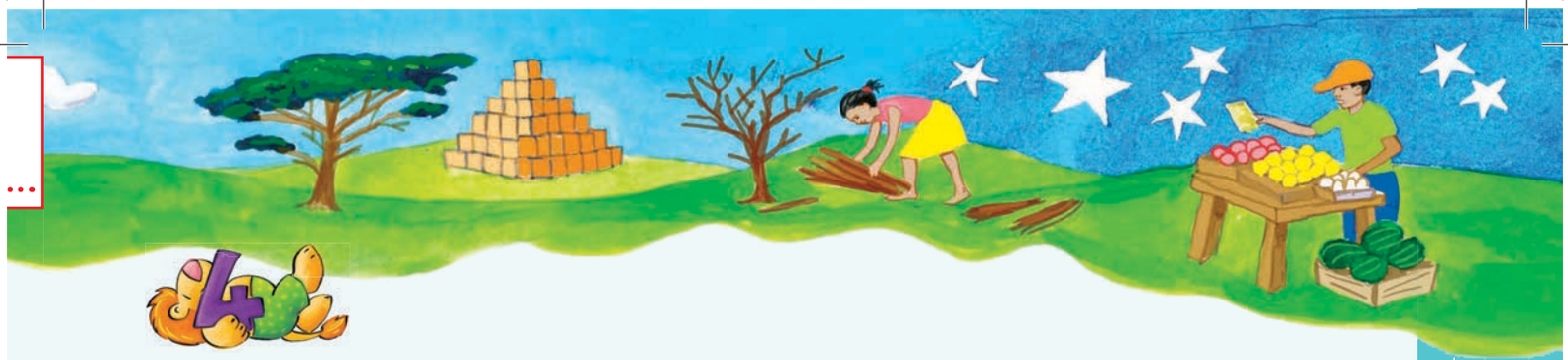


b. Ataba mangakhi emahhabhula emabhokisini lasikhombisa? ☐





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Ticheme leti-3 tema-10 takha

3 0 $3 \times 10 =$ 3 0 noma $10 \times 3 =$ 3 0

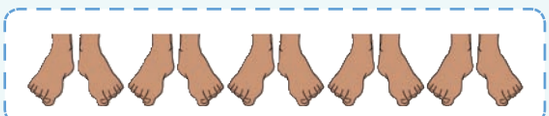
Ticheme letisi-5 tema-10 takha

____ × ____ = ____ noma ____ × ____ = ____

Ticheme leti-2 tema-10 takha

____ × ____ = ____ noma ____ × ____ = ____

5 Emapheya etinyawo.
Tingakhi tintwane setitonkhe?



10 + 10 + 10 + 10 + 10= 5 0 5×10= ____

noma 10×5= ____

Yenta loku ngendlela lefanako.

4 Emapheya etinyawo. Tingakhi tintwane?

_____ = ____ ____ × ____ = ____ noma ____ × ____ = ____

9 Emapheya etinyawo. Tingakhi tintwane?

_____ = ____ ____ × ____ = ____ noma ____ × ____ = ____

Bala ngema-10

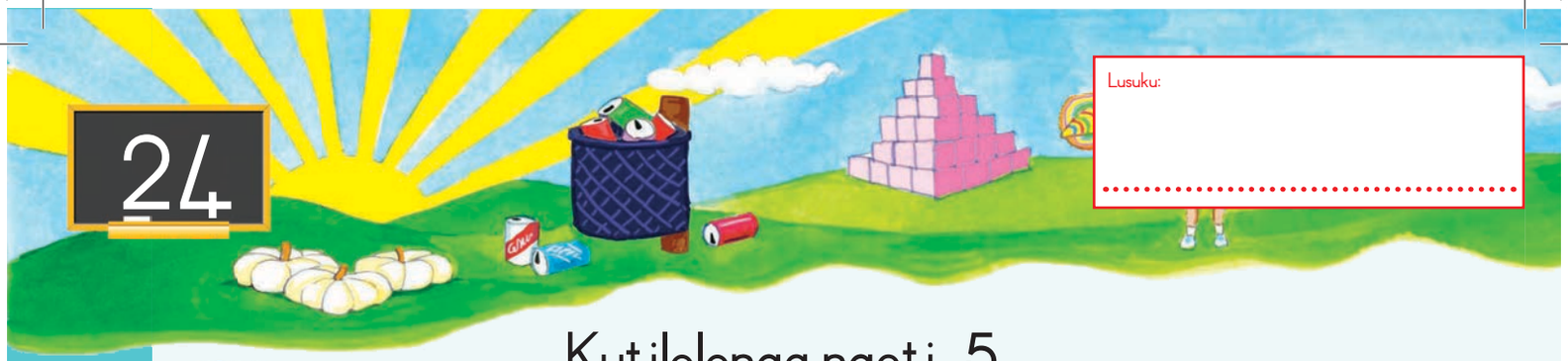
10, 20, 30, 40, 50, ____, ____, ____, ____, ____,

____, ____, ____, ____, ____, ____, ____, ____, ____, 200

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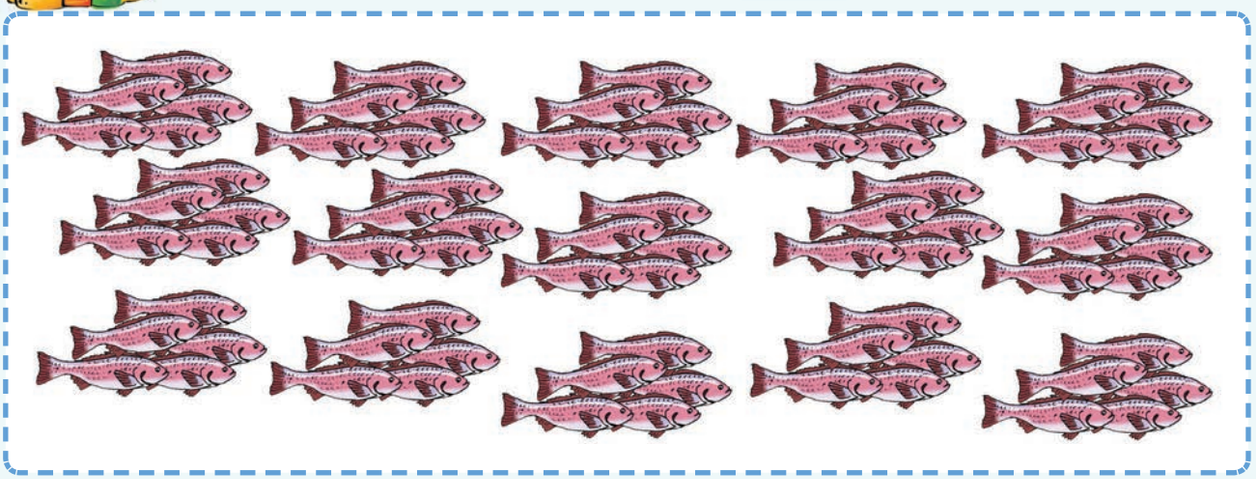
Lusuku:

Ithemu I

Kutilolonga ngeti-5



Tingakhi tinhlanti? Yenta silinganiso.



Nyalo-ke bala letinhlanti. Tingakhi setitonkhe?



Bala ngeti -5

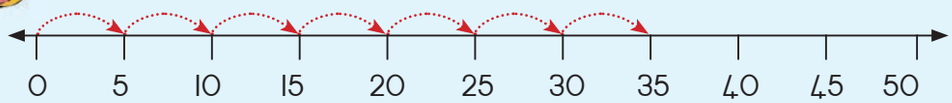
Tfola sibalo lesiphelele semacandza etinhlanti. Bhala umushonombolo wa + na ×.
Sikwentele wekucala.

Inhlanti nemacandza	Mangakhi emacandza sekaphelele?	
Tinhlanti letisi-5, iyinye italela emacandza la-2	2 + 2 + 2 + 2 + 2 = 10	5 × 2 = 10
Tinhlanti letisi-5, iyinye italela emacandza la-10		
Tinhlanti letisi-5, iyinye italela emacandza la-4		
Tinhlanti letisi-5, iyinye italela emacandza la-3		
Tinhlanti letisi-5, iyinye italela emacandza la-6		
Tinhlanti letisi-5, iyinye italela emacandza la-8		
Tinhlanti letisi-5, iyinye italela emacandza la-5		

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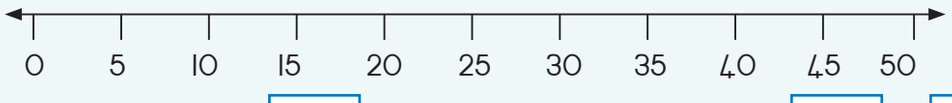


Cedzela letinombolomisho nemigcanombolo.



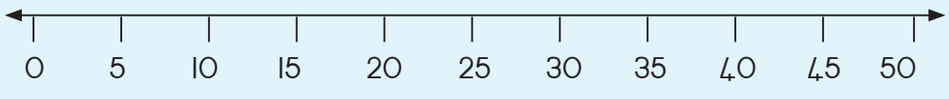
$5 + 5 + 5 + 5 + 5 + 5 + 5 =$ 35 noma 7 × 5 = 35

a.



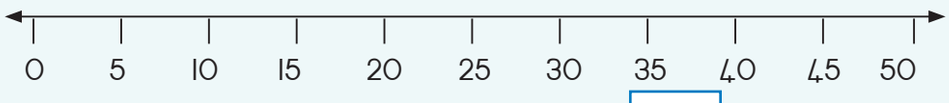
$5 + 5 + 5 + 5 =$ ☐ noma ☐ × ☐ = ☐

b.



$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 =$ ☐ noma ☐ × ☐ = ☐

c.



___ + ___ = ☐ noma $10 \times 5 = 50$

Bamba inhlanti

Sipho ubamba emkhatsini wema -40 nema -50 etinhlanti. Utibala ngati-2 kantsi usele nayi-1. Utibala ngeti-5 kantsi usele nati-2.

Ubamba tingakhi tinhlanti Sipho? ☐

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25a

Lusuku:

Bala ngaku-2



Kubala emasokisi



a. Mangakhi emapheya emasokisi? _____

b. Mangakhi emasokisi lakhona? _____

c. Mangakhi emasokisi lasele? _____

1 2 3 4 5 6 7 8 9 10

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Kubala emapheya emasokisi

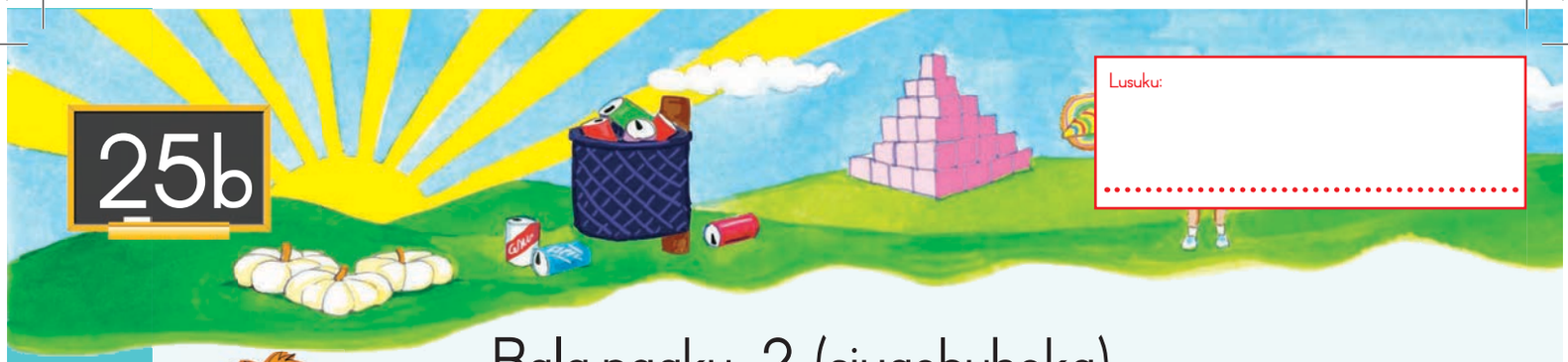
Bhala kutsi mangakhi emapheya emasokisi lakhona futsi usho uma kukhona lasele.

Emasokisi	Linani lemapheya	Linani lemasokisi	Emasokisi langalinye lasilele ngetulu
			
			
			
			
			



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25b

Lusuku:

Ithemu I

Bala ngaku-2 (siyachubeka)



Kwakha emapheya.

Bhala phasi tinombolo-malinganisa kanye netinombolo-mashiyana kusukela ku 1 – 60.

a. Bhala phansi tinombolo-malinganisa kusuka ku 1 – 60.

2, 4, 6,

_____

_____

b. Bhala phansi tinombolo-mashiyana kusuka ku 1 – 60.

3, 5, 7,

_____

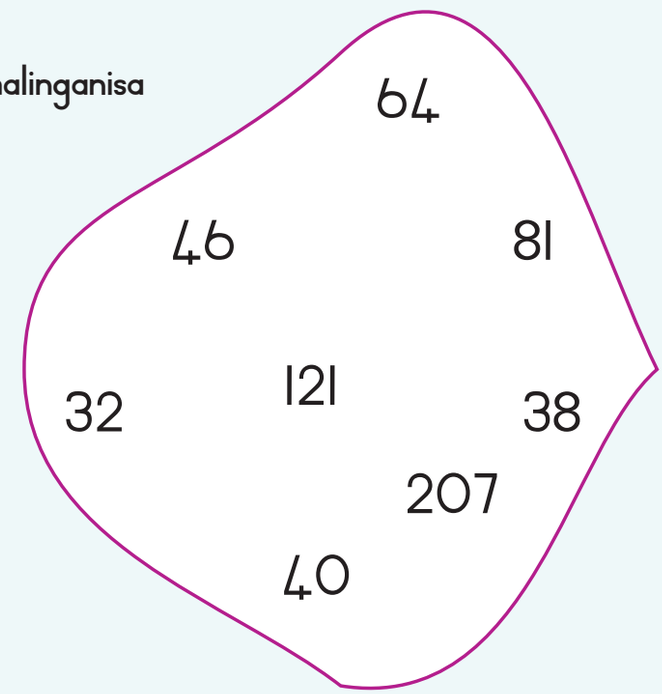
_____



Bomashiyana nabomalinganisa

Dvweba indilinga ugegelete tinombolo-malinganisa.

Dvweba sikwele ugegelete tinombolo-mashiyana.



1 2 3 4 5 6 7 8 9 10

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5 Kusuka kumapheya kuya kumasokisi.

Sibonelo:

2 emasokisi = 1 lipheya

$2 \times 1 = 2$

20 emasokisi = 10 emapheya

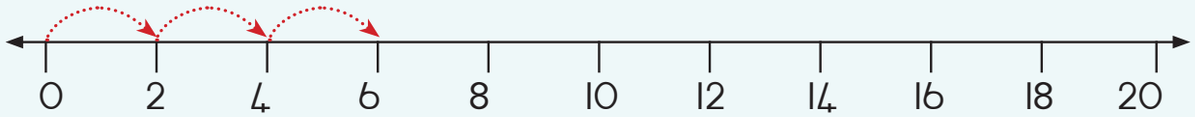
$2 \times 10 = 20$

a. Bhala kutsi mangakhi emasokisi.

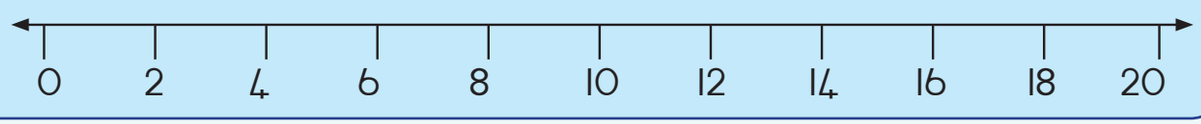
Cabanga ngaku-2	Umusho-nombolo
1 lipheya = 2 emasokisi	2 × 1 = 2
2 emapheya = ___ emasokisi	2 × 2 =
4 emapheya = ___ emasokisi	
8 emapheya = ___ emasokisi	
9 emapheya = ___ emasokisi	

b. Khombisa lesibalo kulomugcanombolo bese uyacedzela.

2 + 2 + 2 = 6 noma 3 × 2 = 6



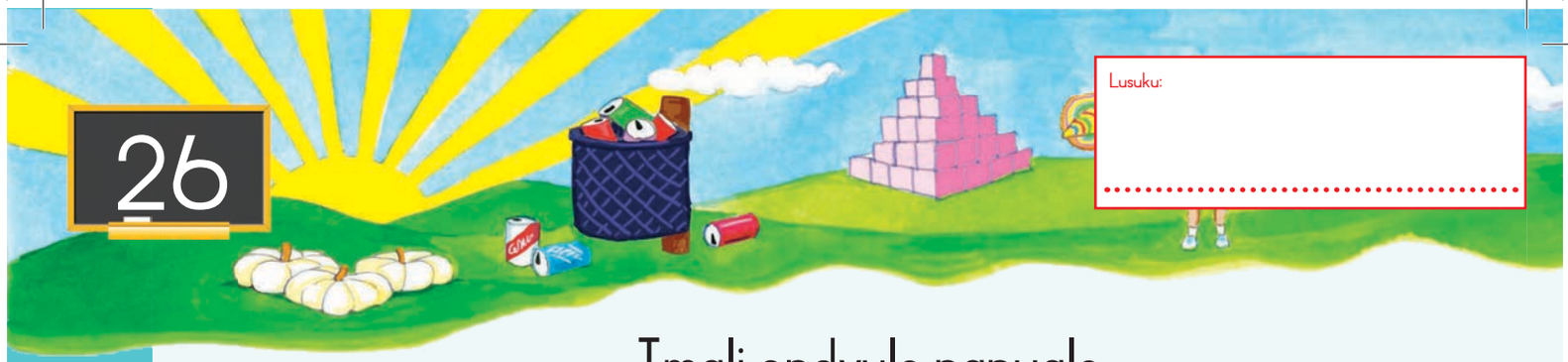
2 + 2 + 2 + 2 + 2 + 2 + 2 = ☐ noma ☐ × ☐ = ☐



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Imali endvulo nanyalo



Indzaba yemali yetfu

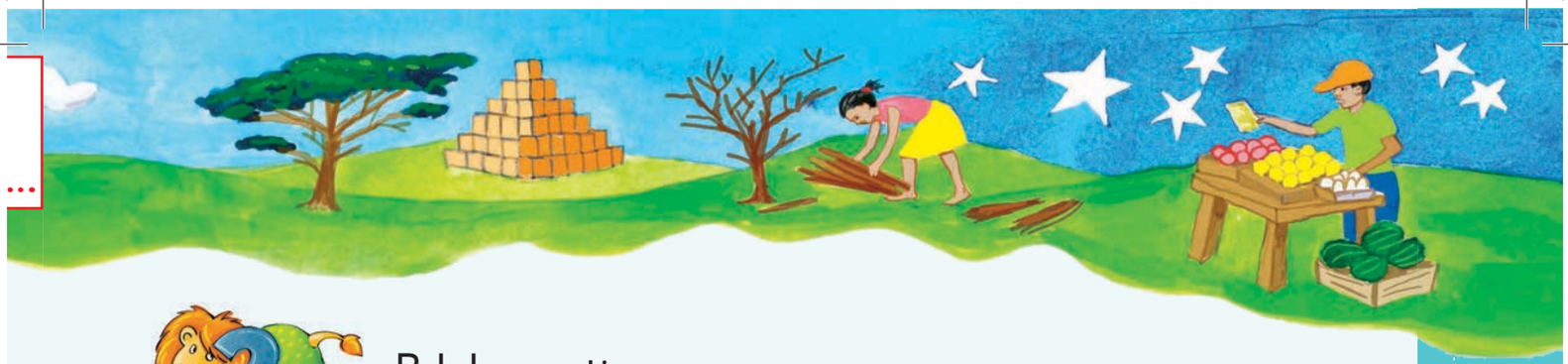
ENingizimu Afrika sisebentisa emarandi nemasenti njengemali yetfu.
Sicale kusebentisa emarandi nemasenti nga-1961.

Ngaleto tikhatsi indibilishi yelisenti li-1 ngiyo lebeyiyincane kakhulu, kulandzela emasenti lama-2 bese kulandzela emasenti lasi-5.





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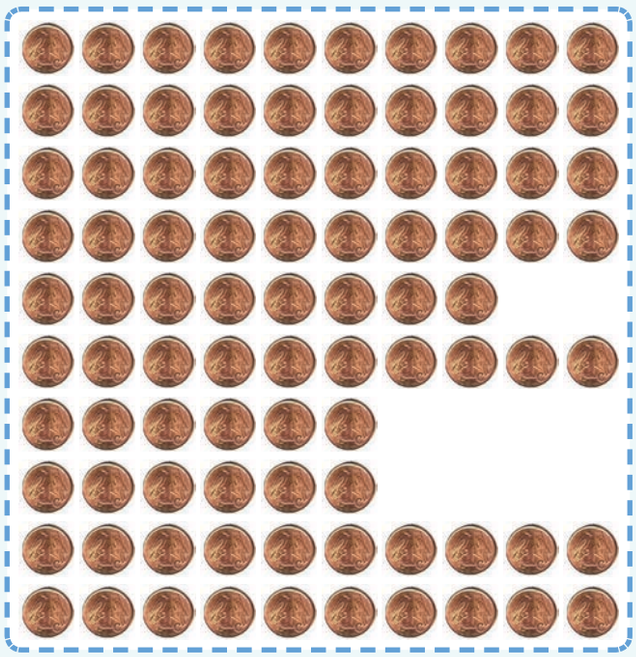
Bala lamasenti

Bala lamasenti.

Unemasenti lamangakhi?

Mangakhi ladzingakalako kwenta R1,00?

Wadvwebe lapha kulebhuloki.





Mangakhi emasenti?

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



Sibita malini sitselo?

2  babita R4,00.

2  abita R2,00.

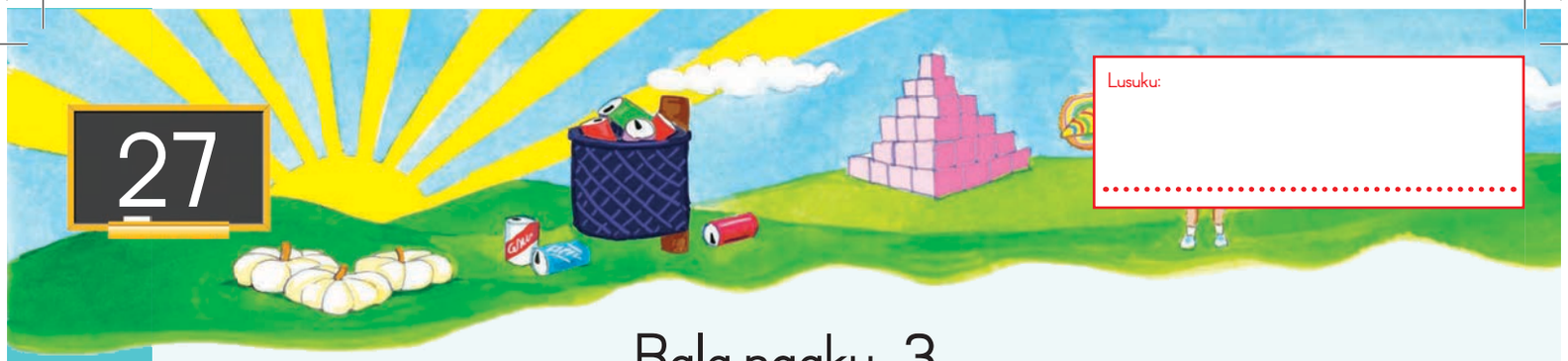
Bangakhi bobhanana ku-R20,00?

Mangakhi emahhabhula e-R9,00?



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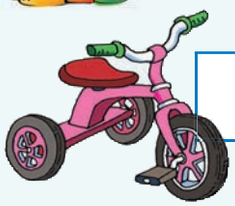
Lusuku:

Ithemu I

Bala ngaku-3



Tincola ngaku-3



Libhayisikili lelingusondvontsatfu li-1 linemasondvo lama _____.

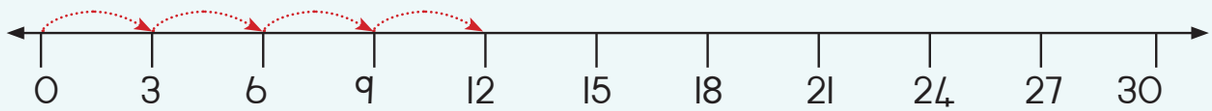


5 sabosondvontsatfu banemasondvo la_____	3 + 3 + 3 + 3 + 3 = 5 × 3 = _____
2 bosondvontsatfu banemasondvo la_____	3 + 3 = 2 × 3 = _____
4 bosondvontsatfu banemasondvo la_____	
6 sabosondvontsatfu banemasondvo la_____	
9 yabosondvontsatfu banemasondvo la_____	
8 sabosondvontsatfu banemasondvo la_____	



Imigcanombolo

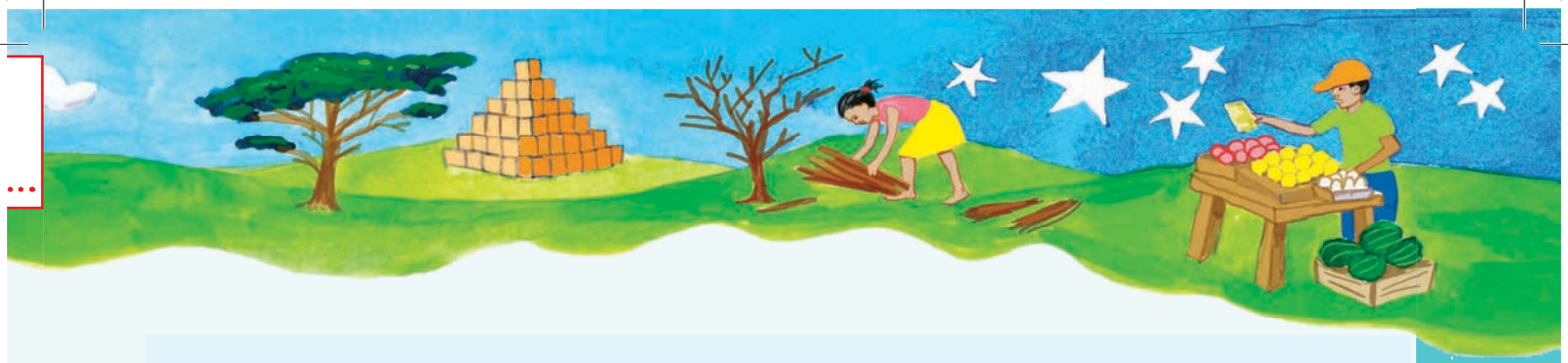
Landzela sibonelo.



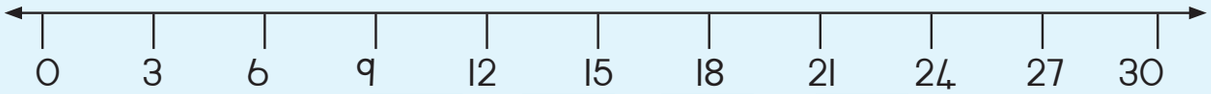
a. 3 + 3 + 3 + 3 = ☐ = 4 × 3 = ☐



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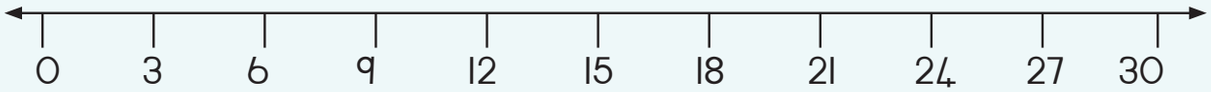


b.



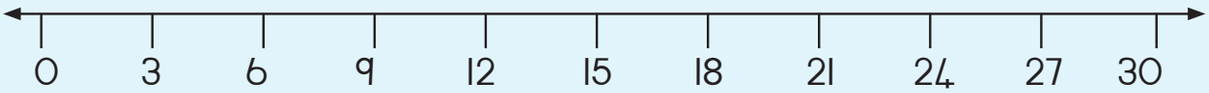
$3 + 3 + 3 + 3 + 3 = \square = \square \times \square = \square$

c.



$_____ = \square = 6 \times 3 = \square$

d.



$_____ = \square = 10 \times 3 = \square$



Emabhayisikili asondvombili nemabhayisikili abosondvontsatfu





Esitolo semabhayisikili Busi ubala emasondvo emabhayisikili abosondvombili newabosondvontsatfu.

Kunemasondvo lali-14 sekaphelele.

Mangakhi emabhayisikili abosondvombili lalapho? _____
Mangakhi emabhayisikili abosondvontsatfu lalapho? ____



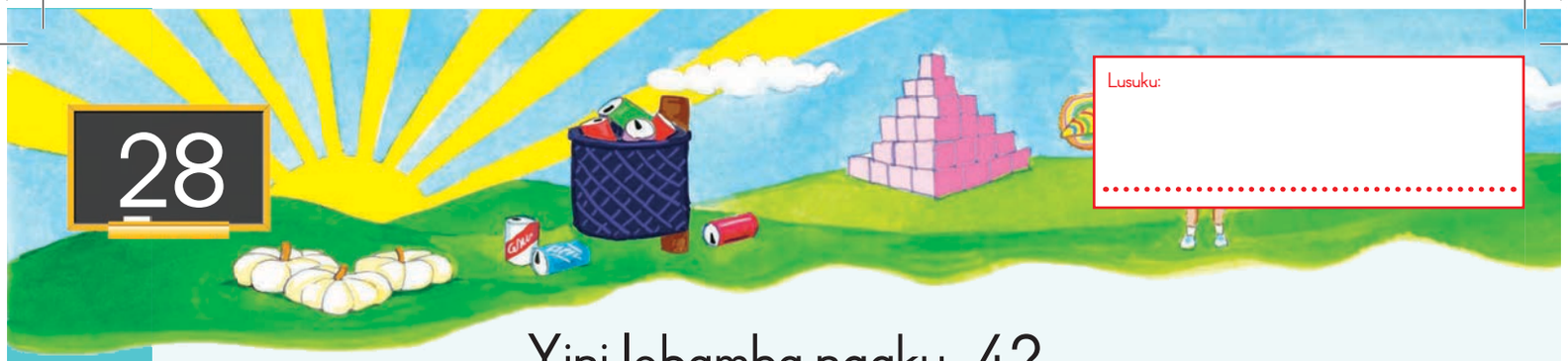
Teacher:

Sign:

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Lusuku:

Yini lehamba ngaku-4?

Ithemu I



Tinyawo letine

Emaphuzu etinombolo leti 4 ...
4 + 4 = 8; 2 × 4 = 8



Tinyawo tenkhomo tita nga-4.

Yini lenye lena kune? _____



Bala letinyawo

Yabelanani ngetimphendvulo.
Chaza kutsi yini loyentile.

Sebentisa emaphuzu lowatiko ngakune.

Inkhomo yi-1  4 tinyawo	Tinkhomo leti-2  8 tinyawo
Tinkhomo leti-3  tinyawo	Tinkhomo leti-4  tinyawo
Tinkhomo leti-5  tinyawo	Tinkhomo leti-6  tinyawo
Tinkhomo leti-7  tinyawo	Tinkhomo leti-8  tinyawo
Tinkhomo leti-9  tinyawo	Tinkhomo leti-10  tinyawo

1 2 3 4 5 6 7 8 9 10

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Cedzela lelithebula. Sebentisa lesibonelo kukusita.

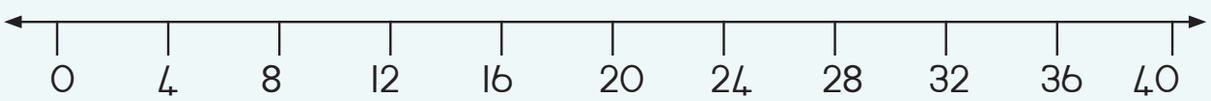
Tinkhomo leti-3_____tinyawo	$4 + 4 + 4 = 3 \times 4 =$ 12
Tinkhomo leti-5_____tinyawo	
Tinkhomo leti-4_____tinyawo	
Tinkhomo leti-7_____tinyawo	
Tinkhomo leti-8_____tinyawo	



Imigcanombolo

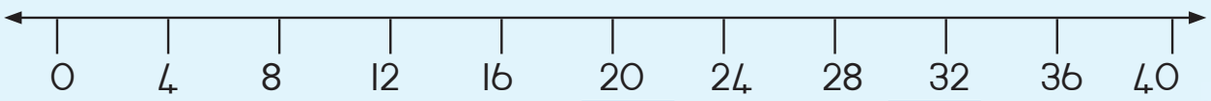
Cedzela lolokulandzelako bese ukukhombisa kumugcanombolo.

a.



_____ = ☐ = $5 \times 4 =$ ☐

b.

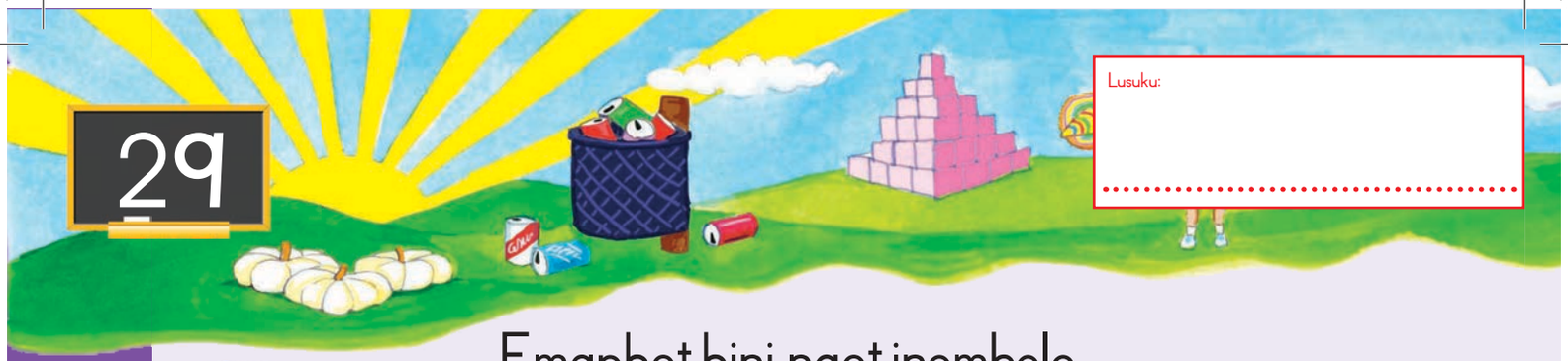


_____ = ☐ = $9 \times 4 =$ ☐



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Lusuku:

Ithemu I

Emaphethini ngetinombolo



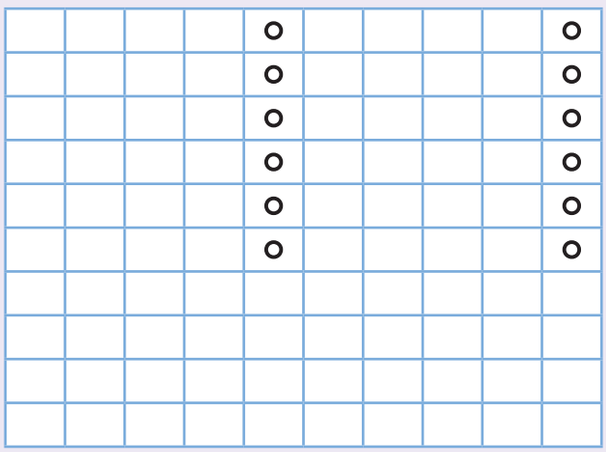
Emaphethini egridi

Nguyiphi inombolo yemaphethini lekhonjiswa tindilinga kugridi yeli-100?

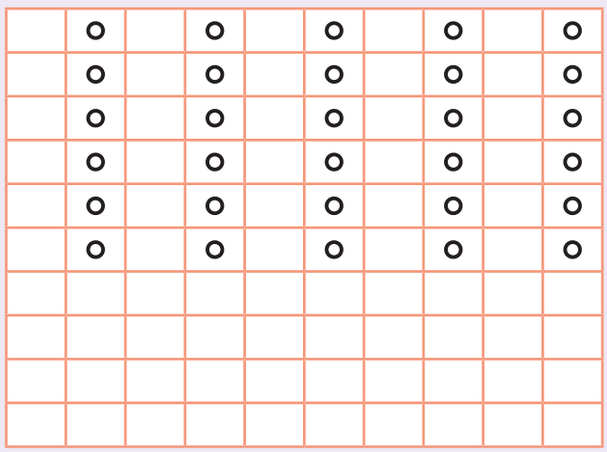
Dvweba tindilinga letinye kucedzela iphethini ngayinye.

Bhala ligama lephethini ngayinye.

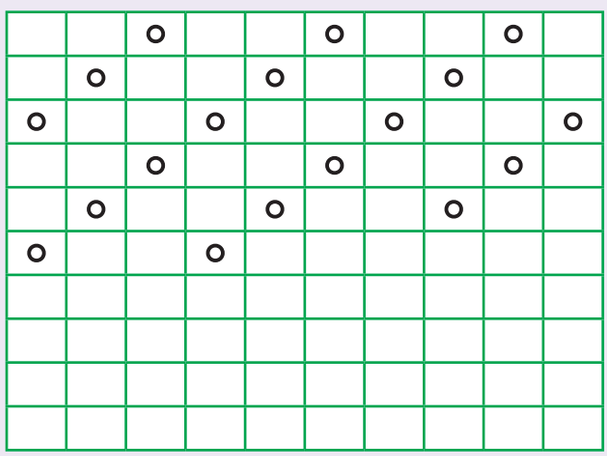
a. Iphethini: _____



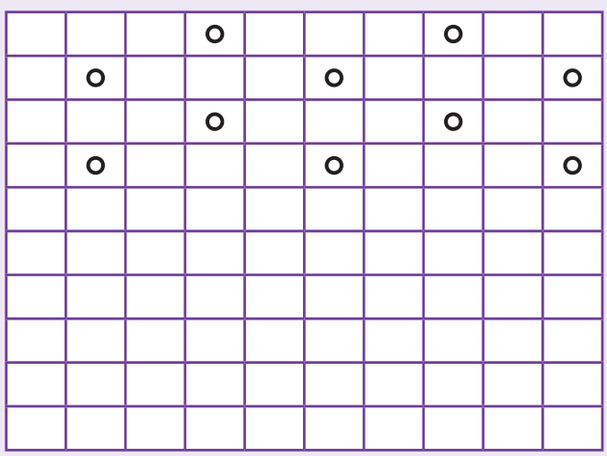
b. Iphethini: _____



c. Iphethini: _____



d. Iphethini: _____



1 2 3 4 5 6 7 8 9 10

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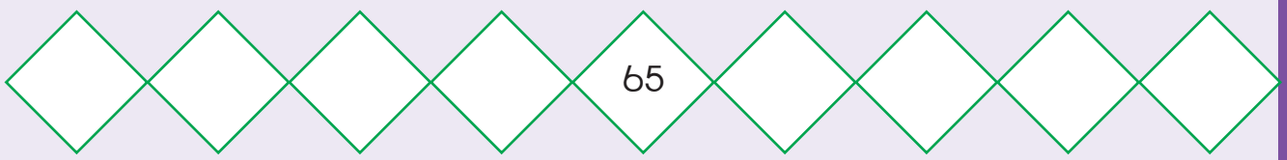


Yenta emaphethini akho

a. Kulephethini yetinombolo tonkhe letinombolo ticondzile. Kungaba ngutiphi leti letinye tinombolo? Tibhale.



b. Kulephethini yetinombolo tonkhe letinombolo tilugweje. Kungaba ngutiphi leti letinye tinombolo? Tibhale.





Tiwela kuphi?



Emaphethini aku-3 naku-4	Emaphethini aku-3 nesi-5	Emaphethini aku-4 nesi-5
sib. 48		



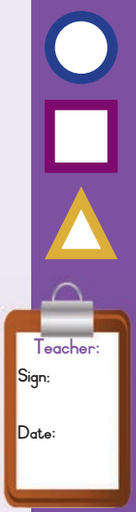
Elwandle



Thembi ugcogca emagobongo aselwandle langema-60 nema-70. Uwabala ngaku-3, usala nali-1. Tinombolo letingahle tibe khona nguleti: 61, ____, ____, 70. Uma awabala ngeti-5, uba nemsalela waku-4.

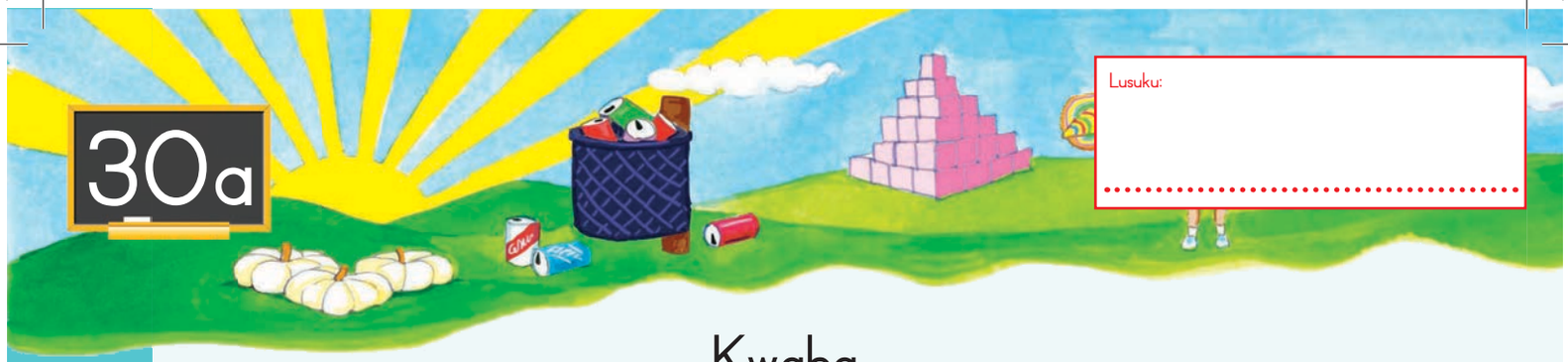
Tinombolo letingahle tibe khona nguleti:___, ___.

Unemagobongo lamangakhi Thembi manje?



11 12 13 14 15 16 17 18 19 20

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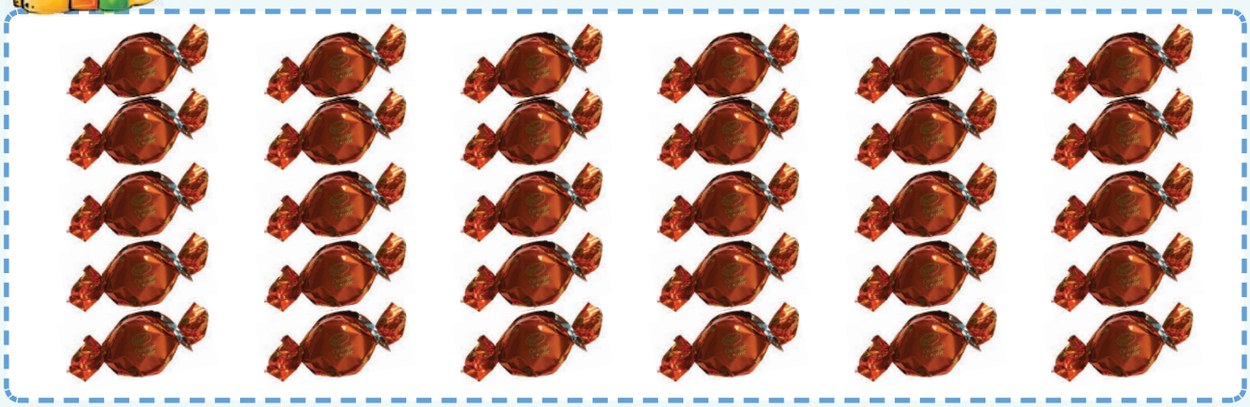
30a

Lusuku:

Kwaba



Yaba lamaswidi:



a. Yaba 30 wemaswidi emkhatsini wa-2 bantfwana.



Loku singakubhala kanje

30 ÷ 2 = 15

b. Yaba lamaswidi emkhatsini wa-3 bantfwana.



÷ =

c. Yehlukanisa emaswidi emkhatsini we-5 sebantfwana.



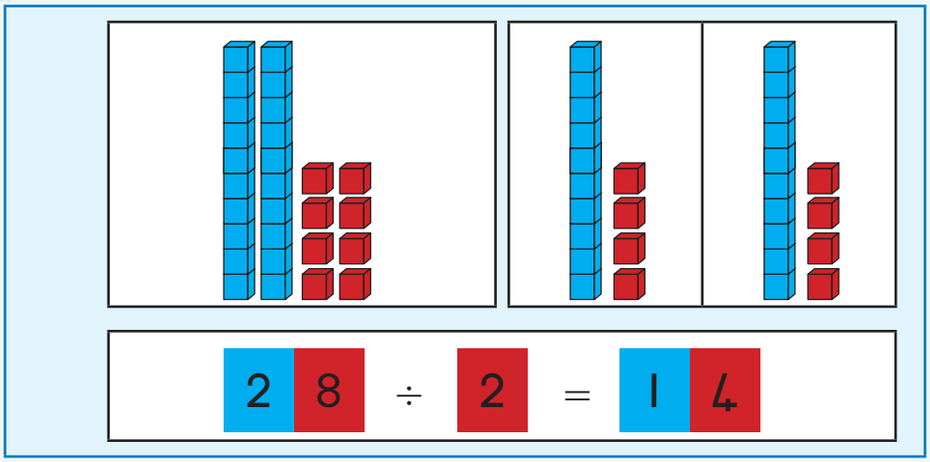
÷ =

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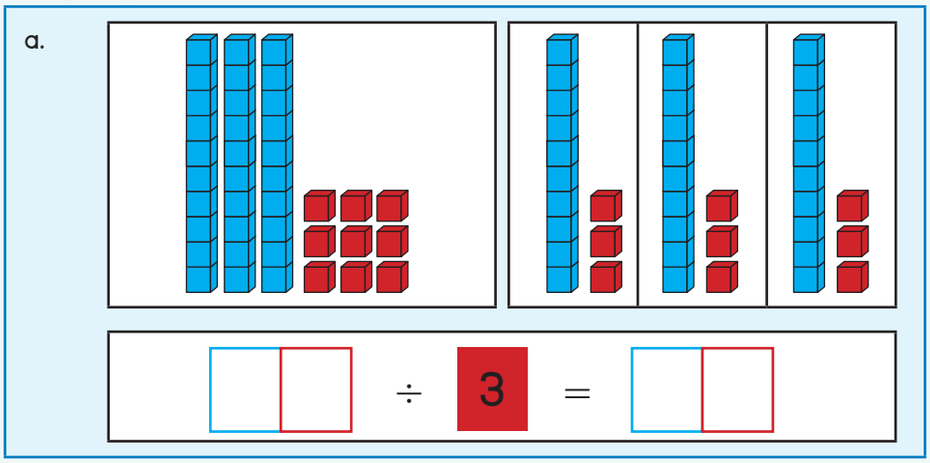


Singasebentisa emabhuloki etinombolo kwenta sibalo sekwehlukanisa.

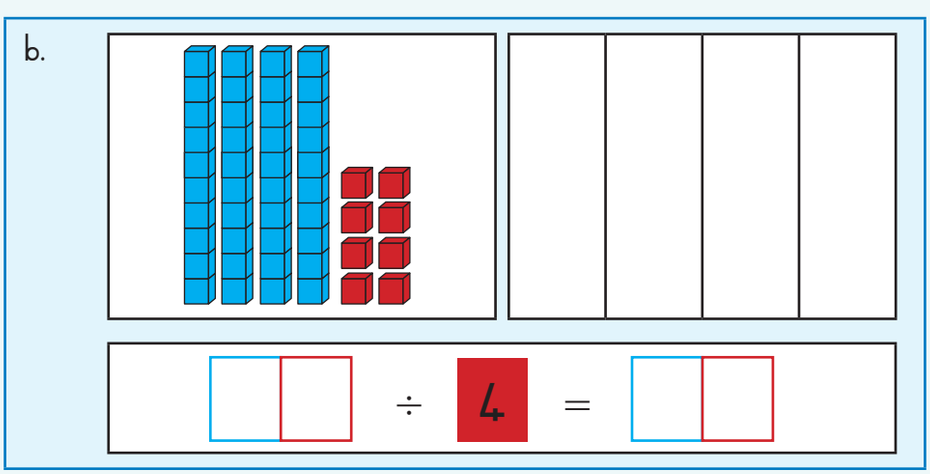


Nyalo yenta loku.

a.



b.



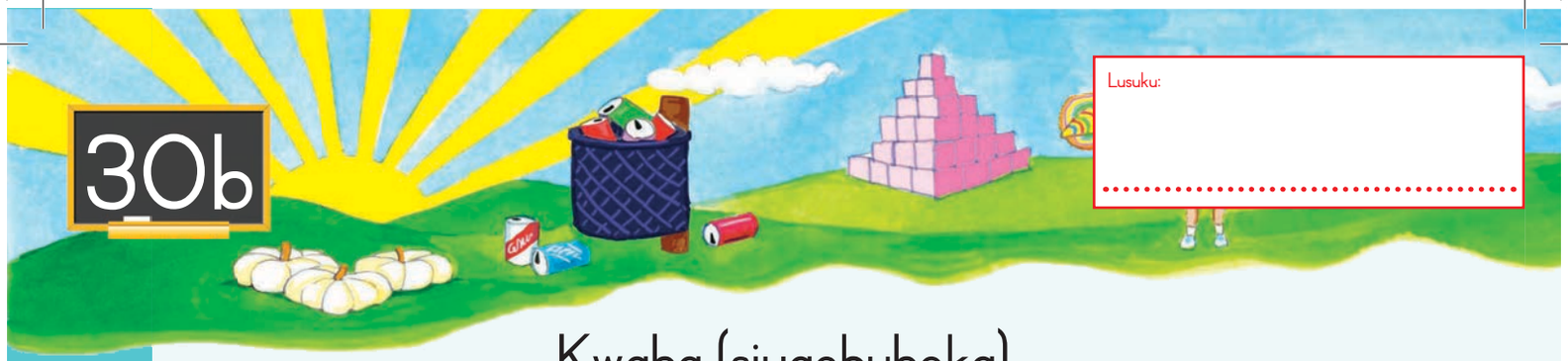
Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

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30b

Lusuku:

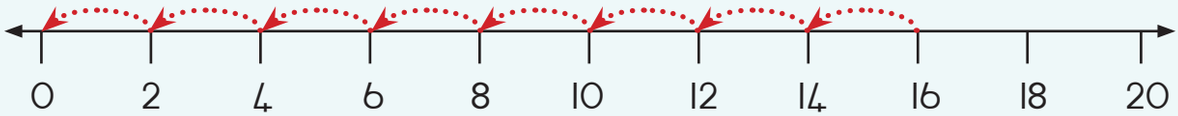
Kwaba (siyachubeka)

Ithemu I



Sebentisa imigcanombolo kubhala umusho-nombolo wekususa nekuhlukanisa.

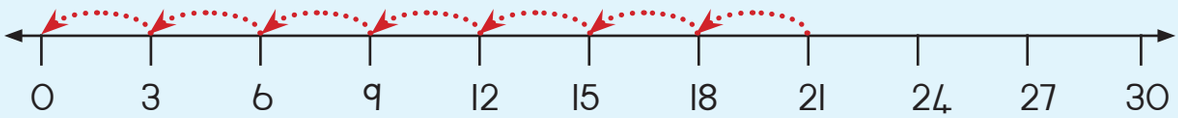
Sibonelo:



$16 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 = 0$

$16 \div 2 = 8$

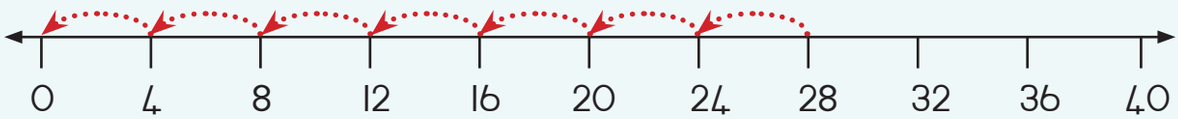
a.



21 – _____ = _____

□ ÷ □ =

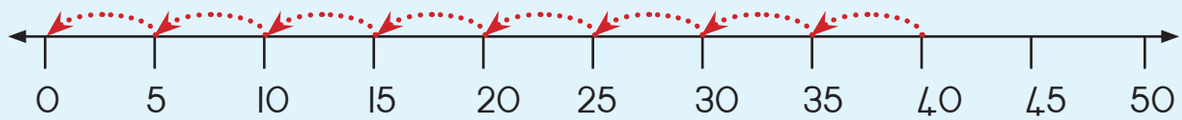
b.



28 – _____ = _____

□ ÷ □ =

c.



___ – _____ = _____

□ ÷ □ =

1 2 3 4 5 6 7 8 9 10

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Dvweba umugca-nombolo bese uyawusombulula.

a. $30 \div 5 =$

b. $22 \div 2 =$

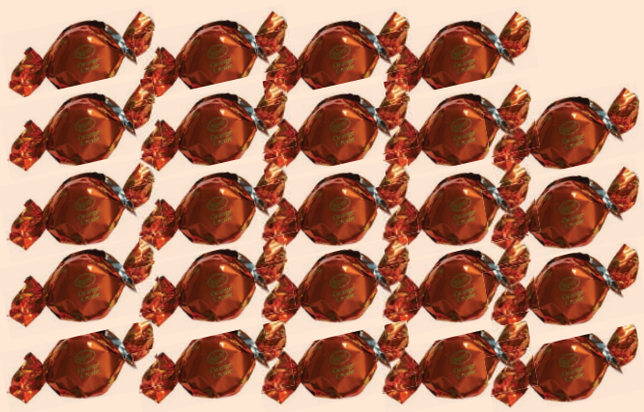
c. $27 \div 3 =$

d. $32 \div 4 =$

e. $25 \div 5 =$

Insayeya

Khombisa tonkhe tindlela longahlukanisa ngato 24 wemaswidi ngekulingana emkhatsini wemacembu lehlukene ebantfwana. Bhala umusho-nombolo kukhombisa imphendvulo yakho.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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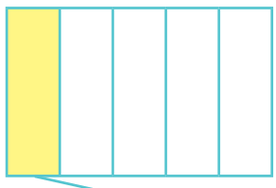
31

Lusuku:

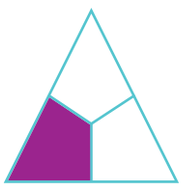
Emafrakishini



Dvweba imigca kucondzanisa bunjwa nefrakhishini.



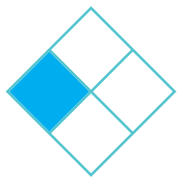
Incenye-ntsatfu yinye $\frac{1}{3}$



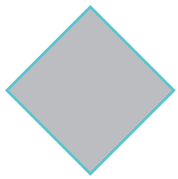
Incenye-sihlanu yinye $\frac{1}{5}$



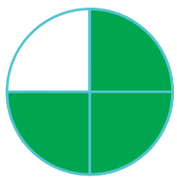
Ikota yinye $\frac{1}{4}$



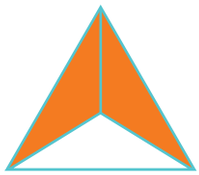
Ihhafu yinye $\frac{1}{2}$



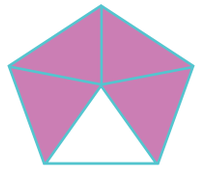
Emakota lamatsatfu $\frac{3}{4}$



Incenye-kune kusihlanu $\frac{4}{5}$

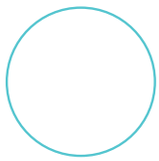


Kunye lokugcwele 1



Incenye-mbili kukutsatfu $\frac{2}{3}$

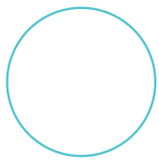
Hlukanisa bese ufaka umbala.



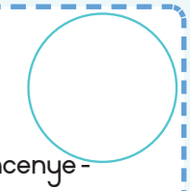
$\frac{1}{2}$ Ihhafu yinye



$\frac{1}{3}$ Incenye-ntsatfu yinye

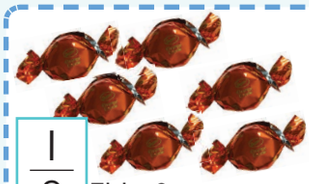


$\frac{1}{4}$ Ikota yinye

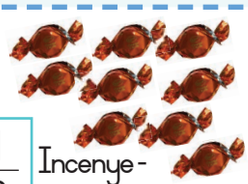


$\frac{1}{5}$ Incenye-sihlanu yinye

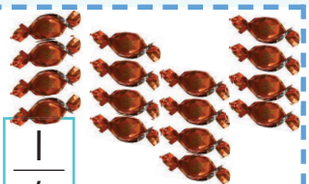
Khombisa lefrakshini ngekudvweba umugca ugegelete inombolo lengiyo yemaswidi.



$\frac{1}{2}$ Ihhafu yinye



$\frac{1}{3}$ Incenye-ntsatfu yinye



$\frac{1}{4}$ Ikota yinye



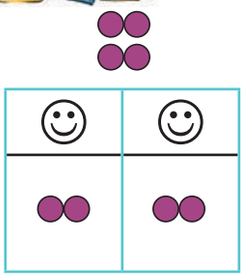
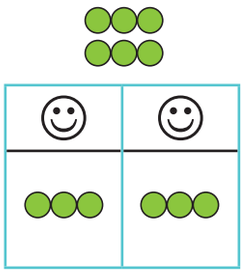
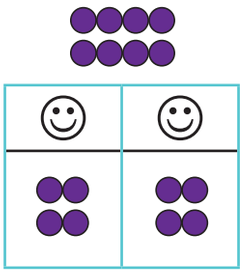
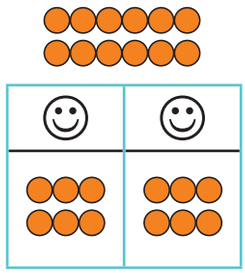
$\frac{1}{5}$ Incenye-sihlanu yinye

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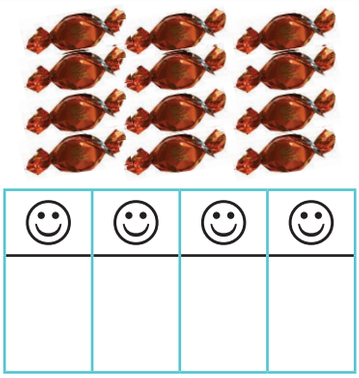
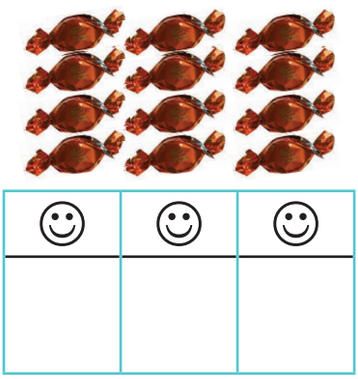


Yabela bantfwana labababili tinsita kubala.

			
• Amunye wetfu utfole tinsita kubala letimbili. • Ihhafu yetibali leti-4.	• Amunye wetfu utfole tinsita kubala_____. • __ wa __ ngu __.	• Amunye wetfu utfole tinsita kubala _____. • __ wa __ ngu __.	• Amunye wetfu utfole tinsita kubala_____. • __ wa __ ngu __.
4 ÷ 2 = 2	___ ÷ ___ = ___	___ ÷ ___ = ___	___ ÷ ___ = ___



Yaba lamaswidi emkhatsini webantfwana.

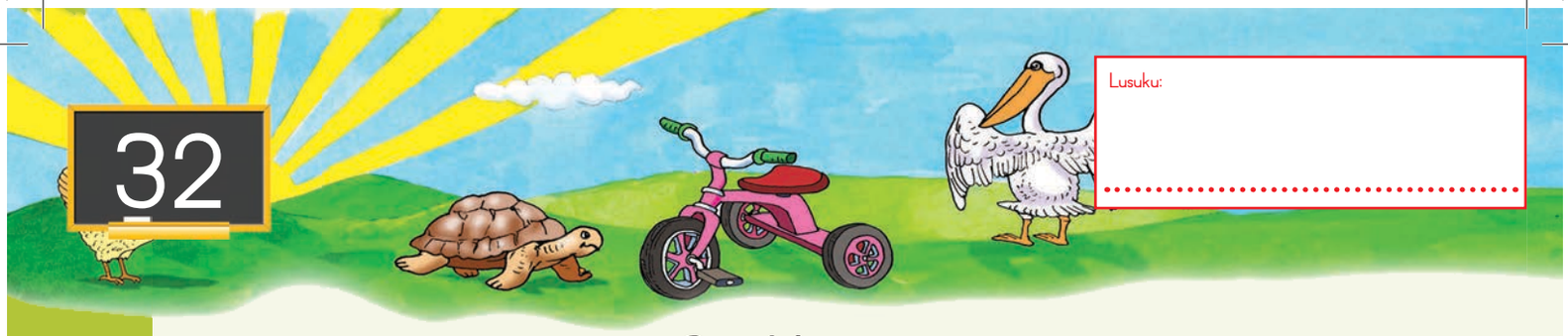
	
• ikota emaswidi = 3 • emakota lamabili emaswidi = ___ • emakota lamatsatfu emaswidi = ___ • emakota lamane emaswidi = ___	• incenye-ntsatfu emaswidi = ___ • tincenye-ntsatfu timbili emaswidi = ___ • tincenye-ntatfu letintsatfu emaswidi = ___



Teacher:
Sign:
Date:

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32

Lusuku:

Ithemu I

Sesikhatsi

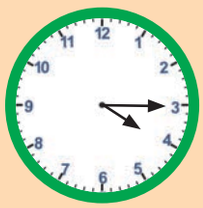


Kwati sikhatsi

Singabhala sikhatsi lesifanako ngetindlela letehlukene.

		
2:15 yikota kwendlule insimbi yesibili	5:30 yihhafu kushaye insimbi yesihlanu	9:45 yikota kuya kunsimbi yelishumi

Bhala loku ngetindlela letimbili letehlukene.

		
_____ _____	_____ _____	_____ _____

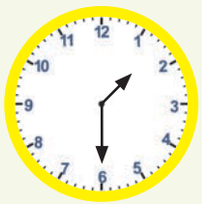
SIS NUM G3 B1 9781431500123.indb 74 2014/05/05 3:41 PM



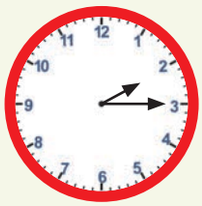
Kuya ekhaya

Ngabe Ben utsatsa sikhatsi lesingakanani kufika ekhaya?

	imizuzu
	ema-awa



Ben usuka esikolweni.



Ben ufika ekhaya.

Sikhatsi siyabaleka

Sikhatsi ngaku-2 ...



Mingakhi ...

imizuzu kuma-awa lama-2? _____

ema-awa emalangeni lama-2? _____

emalanga emavikini lama-2? _____

tinyanga eminyakeni lemi-2? _____

Mangakhi emalanga?

Mabasa

U	L	L	L	L	U	L
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					

Inkhwekhweti

U	L	L	L	L	U	L
		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		

Inhlaba

U	L	L	L	L	U	L
					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

Mabasa 27 Lilanga Lenkhululeko.

Inhlaba 16 Lilanga Lelusha.

a. Kusuka kuLilanga Lenkhululeko kuya kuLilanga Lelusha kunetinyanga letiphelele leti _____, emaviki laphelele la_____ kanye nemalanga laphelele la _____.

b. Mangakhi emaviki laphelele sekahlangene? _____

Mangakhi emalanga lasele? _____. Mangakhi emalanga sekaphelele? _____.

c. Lusuku lwekutalwa lwaLebo lungaphambi kwelilanga leNkhululeko ngemalanga lasi-7.
Lusuku lwekutalwa lwaMusa lungemalanga lamabili ngemuva kweLilanga Lelusha.

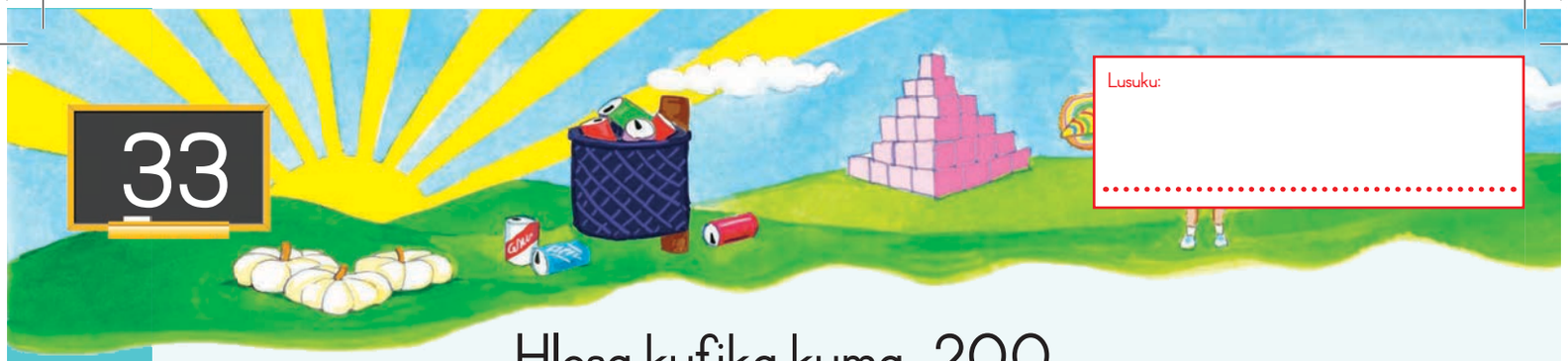
Buka. Catsanisa. Lungisa

Teacher:
Sign:
Date:

Ngubani lomdzala? _____ Ngemalanga lamangakhi? ____

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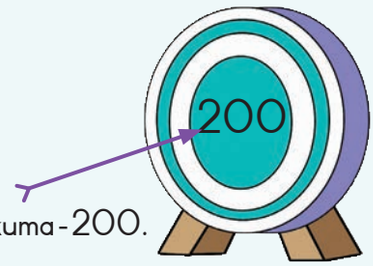


Lusuku:

Hlosa kufika kuma-200



Bala letinombolo



Bala uphindze usho tonkhe letinombolo kusuka ku-101 uye kuma-200.
Khomba njengobe uhamba.



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



Bhala letinombolo

a. Bhala inombolo lengekho kusikwele lesilingangane ngasinye.

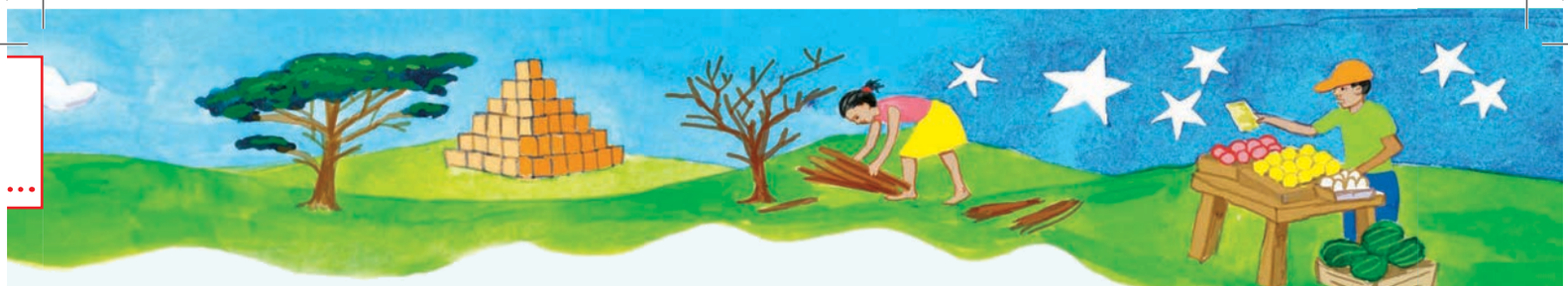
b. Bhala tonkhe letinombolo letisele.

c. Bhala tinombolo letili-10 ngemuva kwema-200.

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



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Bhala tinombolo letisele

a.

200		180			
					110
50					
				0	

b.

87		107	
167			
		207	
			237

Cedzela

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

Bhala tinombolo ngekulandzelana kusukela kulencane kakhulu kuye kulenkhulu kakhulu.

_____

_____

_____

_____

_____

Bala uchubeke kusuka kuli-100

Bala loko lodzinga kukwenta kute utfole inombolo lelandzelako.

Kucala 100 → +25 → 125 → ____ → 129 → ____ → 138 → ____ → 145

Kuphela 168 ← ____ ← 157 ← ____ ← 151 ← ____ ← 145

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34

Lusuku:

.....



Kusebenta ngemacembu etinombolo

Kupakisha emakhandlela

Make Nkhosi usebenta enkapanini yemakhandlela.
Uma emakhandlela sekalungile, uwapakisha ngalendlela emabhokisini emashelufini.



Mangakhi emakhandlela ebhokisini ngalinye? _____

Mangakhi emabhokisi eshelufini ngalinye? _____

Mangakhi emakhandlela eshelufini ngalinye? _____

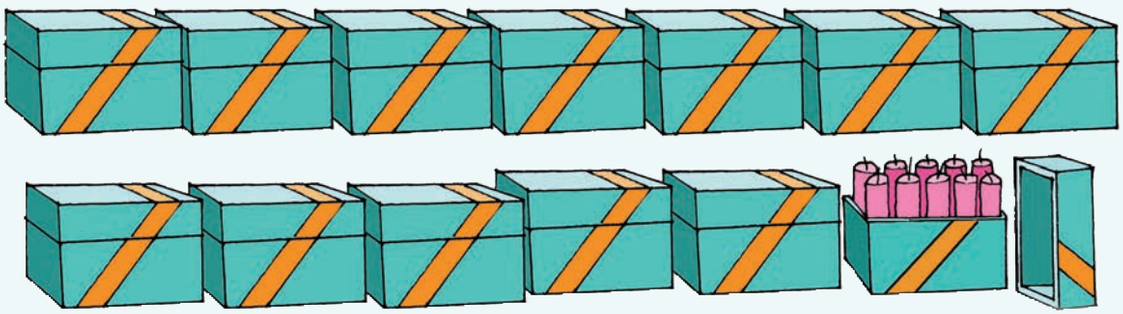
1 2 3 4 5 6 7 8 9 10

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Emabhokisi emakhandlela

Make Nkhosi uvala emabhokisi.



a. Bala onkhe emabhokisi.

Mangakhi? _____
Mangakhi emakhandlela sekawonkhe? _____
Mangakhi lamanye emabhokisi ladzingakalako kwenta emakhandlela langema-200?

b. Mangakhi emakhandlela ku:

2 emabhokisi? _____	4 emabhokisi? _____
5 emabhokisi? _____	3 emabhokisi? _____
6 emabhokisi? _____	7 emabhokisi? _____

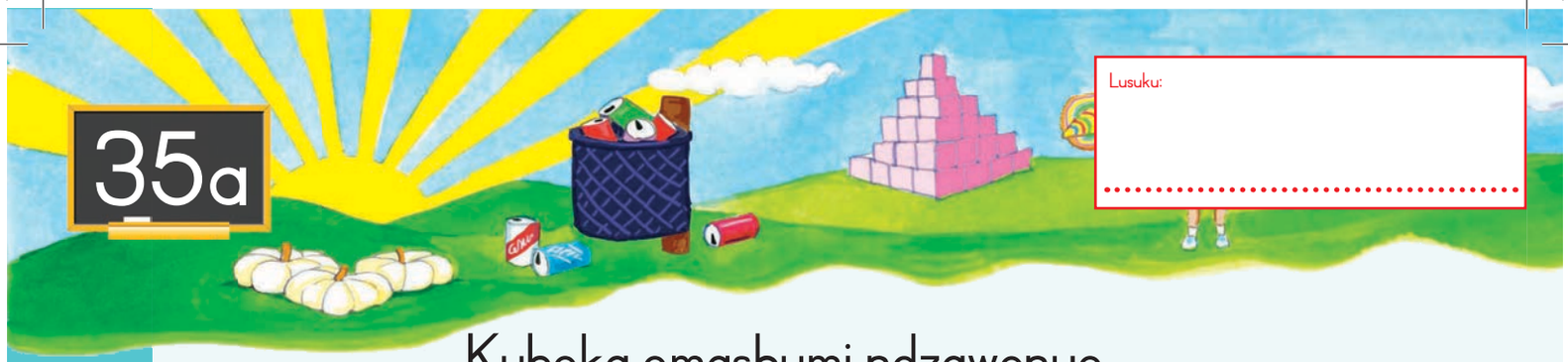
c. Mangakhi emabhokisi lawadzingela loku:

40 _____ emabhokisi	70 _____ emabhokisi
50 _____ emabhokisi	30 _____ emabhokisi

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35a

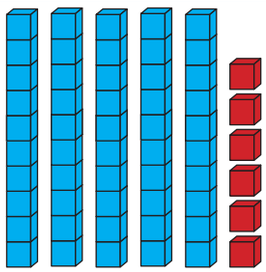
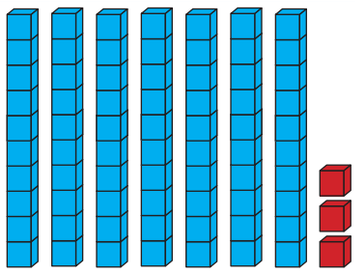
Lusuku:

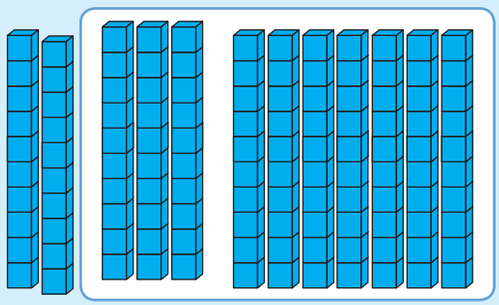
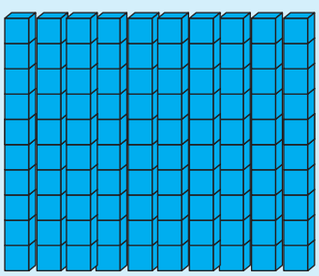
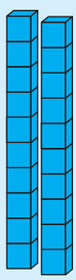
Ithemu 2

Kubeka emashumi ndzawonye neku siwehlukanisa

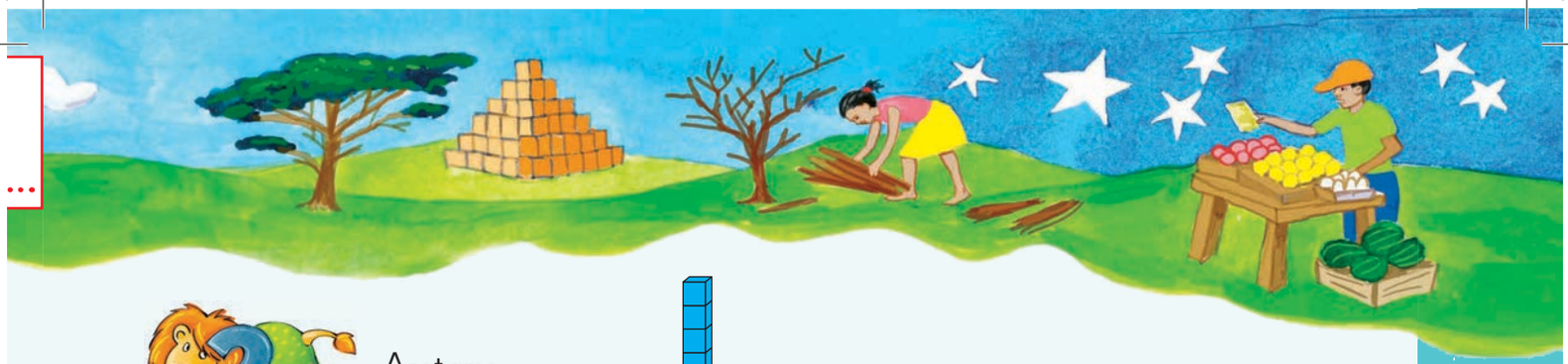


Kubeka emashumi ndzawonye uma sihlanganisa

Asihlanganiseni 56 + 73 =		+	
	Emashumi lasi-5 nemayunithi lasi-6		Emashumi lasi-7 nemayunithi lama-3

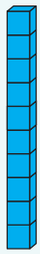
100s	10s	1s
		
Sikanye sinemashumi lali-12. Singabeka emashumi lali-10 ndzawonye kwenta likhulu li-1.		
		

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Asetame.



=  na  = ●

Sibonelo: 82 + 34





100 + 20 + 6 = 126

a. 65 + 52

b. 76 + 63

c. 86 + 65

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35b

Lusuku:

Kubeka emashumi ndzawonye neku siwehlukanisa (siyachubeka)



Beka emacembu ndzawonye

Sebentisa emabhuloki endzawo yenombolo akho.

Sebentisa emabhuloki endzawo yelishumi kwenta letinombolo letimbili.	Sekukonkhe mangakhi emashumi? Mangakhi emayunithi?	Ngabe ubeke ndzawonye emashumi nobe emayunithi? Buka bungako bendzawo lapho uphindze wabeka ndzawonye khona.	Bhala lenombolo.
23 + 99 =	_____ emashumi _____ emayunithi	11 emashumi + 12 emayunithi = 110 + 12	122
38 + 25 =	_____ emashumi _____ emayunithi		
77 + 31 =	_____ emashumi _____ emayunithi		
68 + 45 =	_____ emashumi _____ emayunithi		
83 + 47 =	_____ emashumi _____ emayunithi		

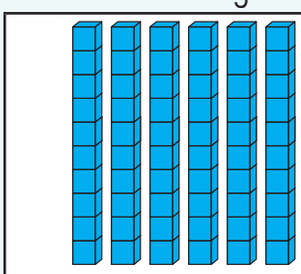


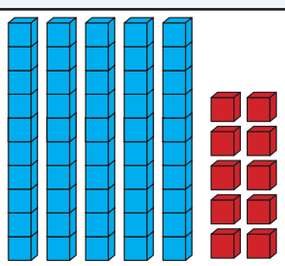
Kwehlukanisa emashumi uma sisusa

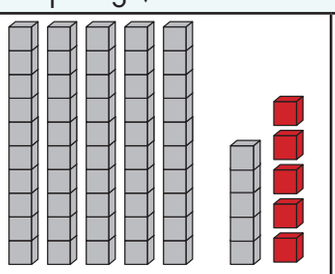
Uma sisusa, ngaletinye tikhatsi sidzinga kukhombisa lishumi linye njengemayunithi lalishumi, likhulu linye njengemashumi lali-10.

Asinciphise: 60 – 55 =

Sicala ngeticheme letisitfupha temashumi. Sifuna kunciphisa ticheme letisihlanu temashumi naletisihlanu temayunithi. (Leto lesititsetse sitibeke umbala lomphunga)

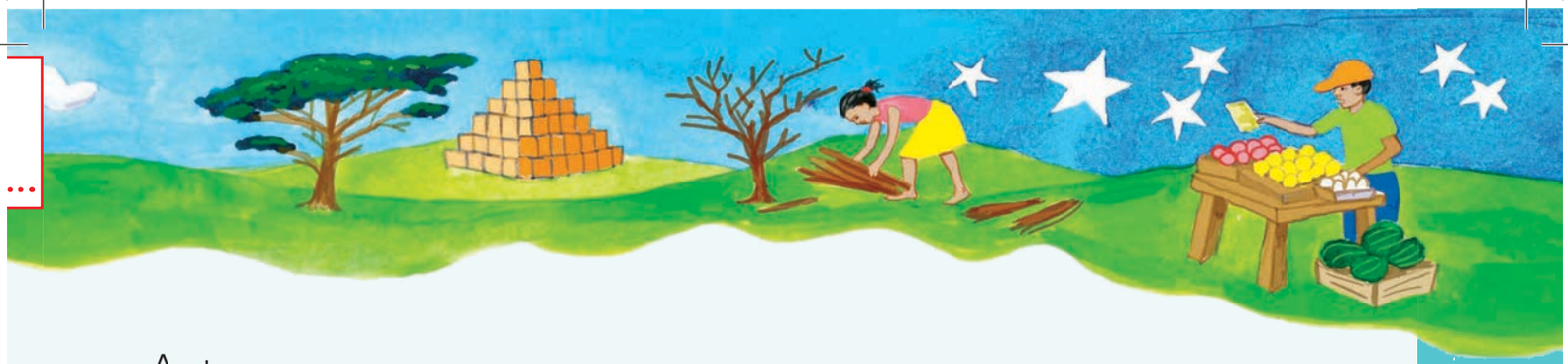






Singakhombisa ticheme letisitfupha temashumi kanje.	Noma sihlanu semashumi nelishumi lemayunithi.	Susa ticheme letisihlanu temashumi nesihlanu semayunithi. Kusele emayunithi lasihlanu.
		60 – 55 = 5

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Asetame.

a. 70 – 28

7 emashumi	6 emashumi na – 10 emayunithi	70 – 28 =	

b. 90 – 46

c. 80 – 53



Kutfola lipheya lenombolo

a.

200	
30	

b.

200	
70	

c.

200	
	105

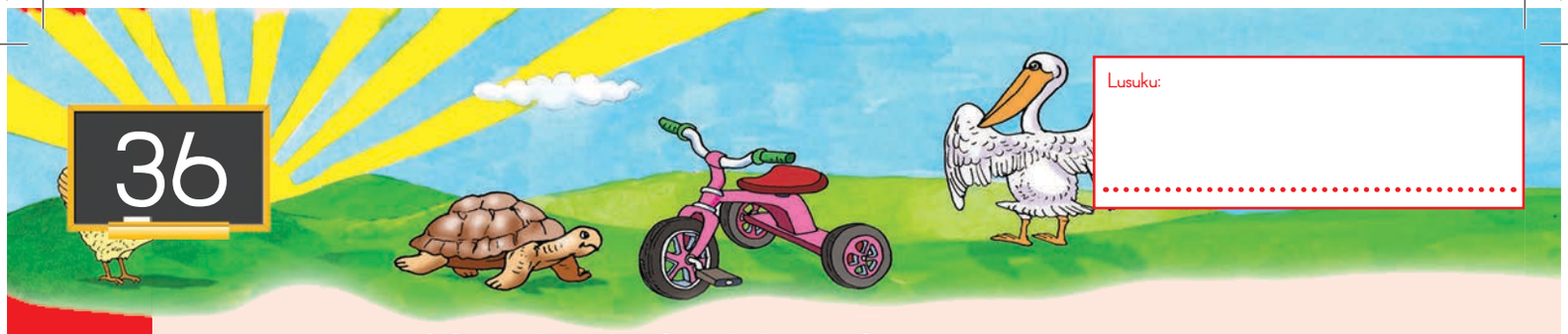
d.

200	
85	

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36

Lusuku:

Kuvakashela dokotela wematinyo



Licembu lebantfwana livakashela dokotela wematinyo.



Loku nguloku bantfwana labamtjela kona. = I sikhatsi

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

a. Bala imiklwibhito (✓) lekhombisa emahlandla bantfwana labacubha ngawo ematinyo abo. Bhala letinombolo.

Kanye ngelilanga	
Kabili ngelilanga	
Katsatfu ngelilanga	

b. Yini longayisho?

Bantfwana labanyenti bacubha ka _____ ngelilanga.
Kunebantfwana laba _____ ecenjini.

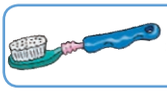
1 2 3 4 5 6 7 8 9 10

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Dvweba igrafusitfombe lekhomba kutsi bantfwana bacubha kangakhi ngelilanga.

 = sikhatsi si-1



Yenta luhlwayo ekilasini lakho. Buta 15–20 webafundzi.

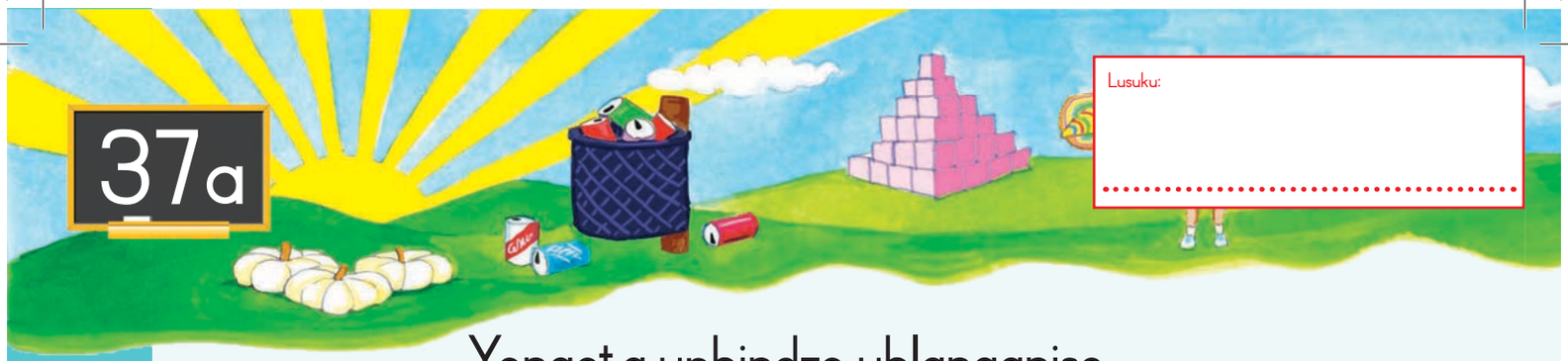
a. Bawacubha kangakhi ematinyo abo ngelilanga?_____

b. Dvweba igrafusitfombe lenjengalena lengetulu kukhombisa imiphumela yeluhlwayo lwakho.

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37a

Lusuku:

Ithemu 2

Yengeta uphindze uhlanganise



Bhala sibalo sakho



Busi angahlanganisa emayunithi nemashumi futsi aphindze awabeke ndzawonye. Angahlanganisa aphindze asuse ephepheni, ngaphandle kwemabhuloki. Ngalesinye sikhatsi utsandza kucala ngemakhadi etinombolo akhe kukhombisa tinombolo.

Ngako-ke ngesibalo 56 + 73, utfola lamakhadi:

50 6 + 70 3

Uhlanganisa lamayunithi emva kwaloko ubeka phasi likhadi le-9

9

Uyati: 50 + 70 = 120.

Utsatsa leli-100, lama-20 kanye nelikhadi le-9

100 20 9

kwenta inombolo yemadijithi lama-3

Ubhala ngalendlela:

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



Dumi uyati kutsi emabhuloki asebenta njani.

Ubala 56 + 73 kanje:

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



Aakar yena utsandza kusongela enombolweni lesedvute. Nansi indlela lakenta ngayo lesibalo:

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

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Ase utetamele nawe. Yenta sibalo ngasinye ngetindlela letimbili.

a. 86 + 62



Indlela ya Busi

80 + 60 + 6 + 2



Indlela ya-Dumi

80 + 6 + 60 + 2

b. 95 + 73

c. 81 + 57

d. 69 + 71

Sebentisa indlela ya-Aakar kwenta loku.

Teacher:

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37b

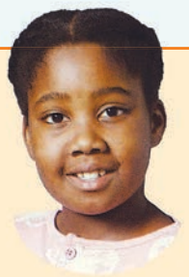
Lusuku:

Yengeta uphindze uhlanganise (siyachubeka)



Nyalo-ke ase sisuse.

a. 87 – 53



Indlela ya Busi

80 – 50 + 7 – 3

= 30 + 4

= 34



Indlela ya-Dumi

80 + 7 – 50 + 3

= 30 + 4

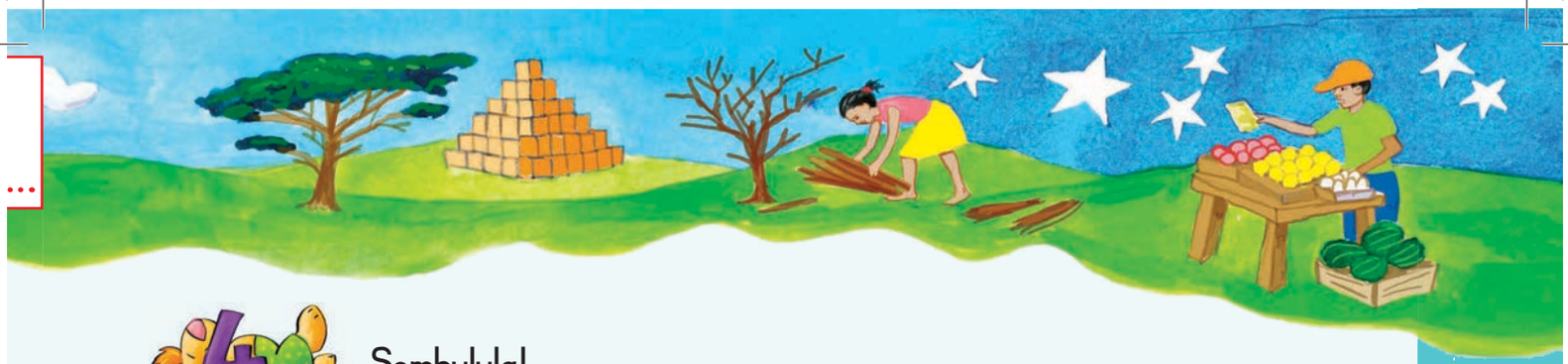
= 34

b. 95 – 73

c. 86 – 62

d. 85 – 69

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Sombulula!

Tinengi tindlela tekuhlanganisa **emayunithi** neticheme **talokulishumi**. Khetsa loyatiko naloyitsandza kakhulu kusombulula letibalo.

a. Peter ucala ngekukha emampentjisi langema-34 bese ukha langema-67.
Mangakhi emampentjisi asawonkhe?



b. Bantfwana bakaMalusi bonga R47 kanyekanye.
Make wabo ubangetela R58. Sebanamalini manje?



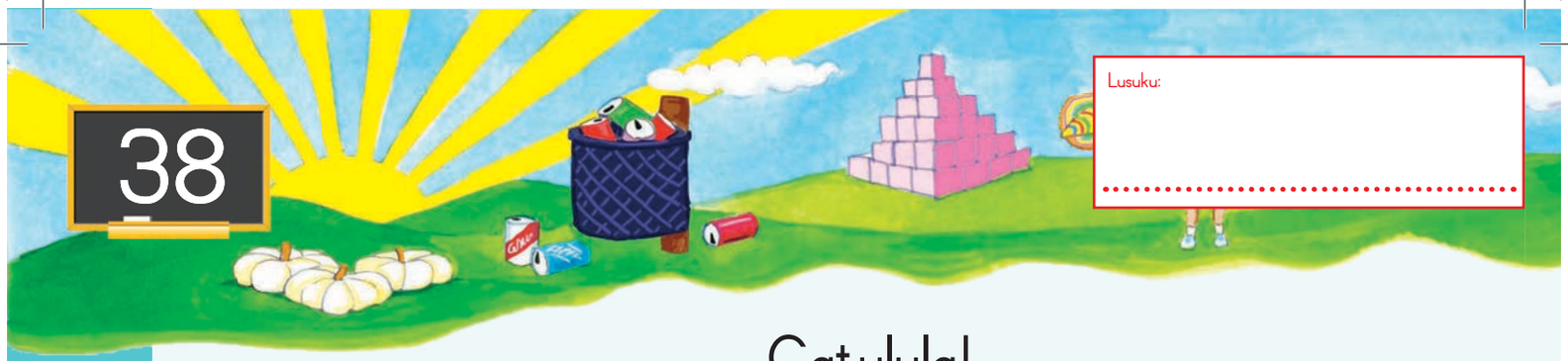
c. Ibhasi yesikolo ihamba 88 km ekuseni na 73 km entsambama.
Mangakhi emakhilomitha asawonkhe?



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38

Lusuku:

Catulula!



Tivalo temabhodlela

Sebentisa nobe nguyiphi indlela loyitsandzako.
Khombisa umsebenti wakho.



Sipho





Andile

Sipho ubala tivalo temabhodlela letima-87. Andile ubala letima-38.
Tingakhi timbonyo temabhodlela letibalwa nguSipho kunaletibalwa nguAndile?



Ikhonsathi yasesikolweni

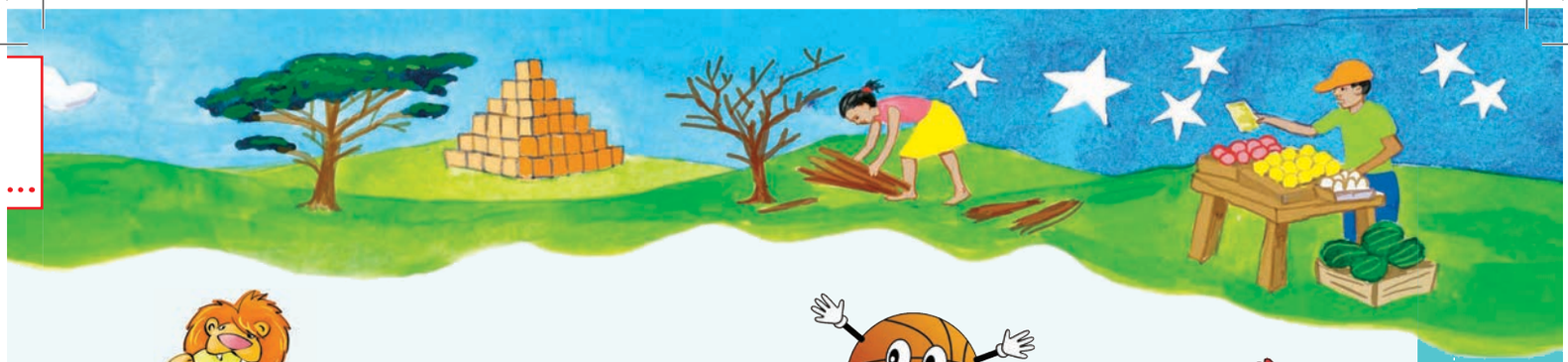


Musa



Musa utsengisa emathikithi. Bekanemathikithi langema-92 ekucala ngawo.
Usele nalangema-67. Mangakhi emathikithi lase awatsengisile?

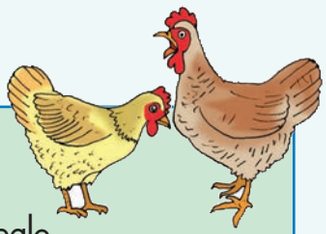
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Sichubeka nekuticecesha.





Kunemantjwele langema-69 ehhokweni linye bese kuba nema-95 kulelinye. Tingakhi tinkhukhu letilapho setitonkhe? Fundza kutsi Gugu yaAakar basisombulule njani lesibalo.

Indlela yaGugu

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



Indlela ya Aakar

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



a. Bafana batfola R96 yeluhambo lwelikilasi. Emantfombatana atfola R79. Ngumalini labayitfolako seyiyonkhe?

Sebentisa indlela yaGugu	Sebentisa indlela yaAakar

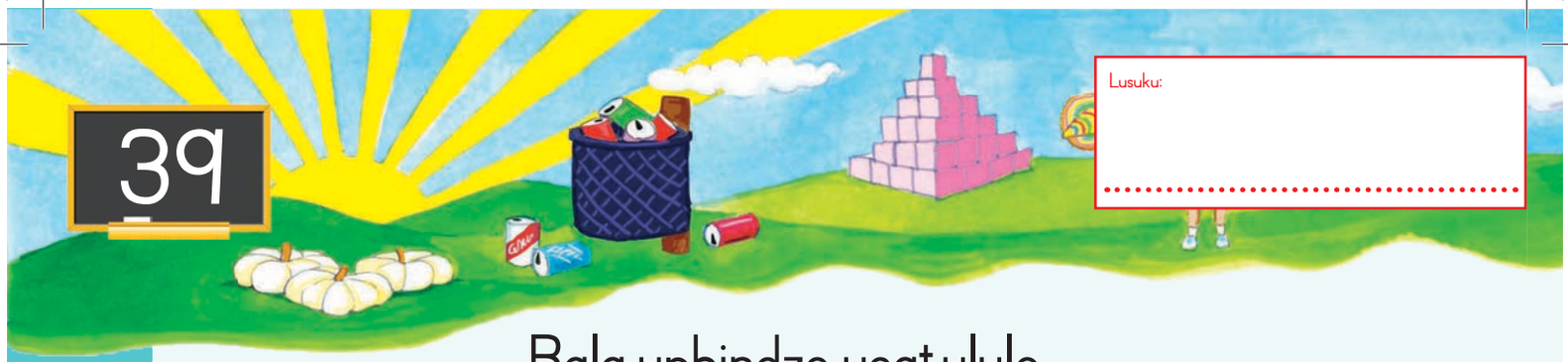
b. Sikolo sinye sikoleka tikotela letinge-76 kg. Lesinye sikolo sikoleka tikotela letinge-68 kg. Mangakhi ema-kg etikotela lakolekwe nguletikolo letimbili setitonkhe?

Sebentisa indlela yaGugu	Sebentisa indlela yaAakar

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39

Lusuku:

Ithemu 2

Bala uphindze ucatulule



Tfola incenye

Bhala tinombolo letingekho.

a.

100	
	27

b.

100	
39	

c.

100	
43	

d.

100	
56	

e.

200	
140	

f.

200	
	110

g.

200	
135	

h.

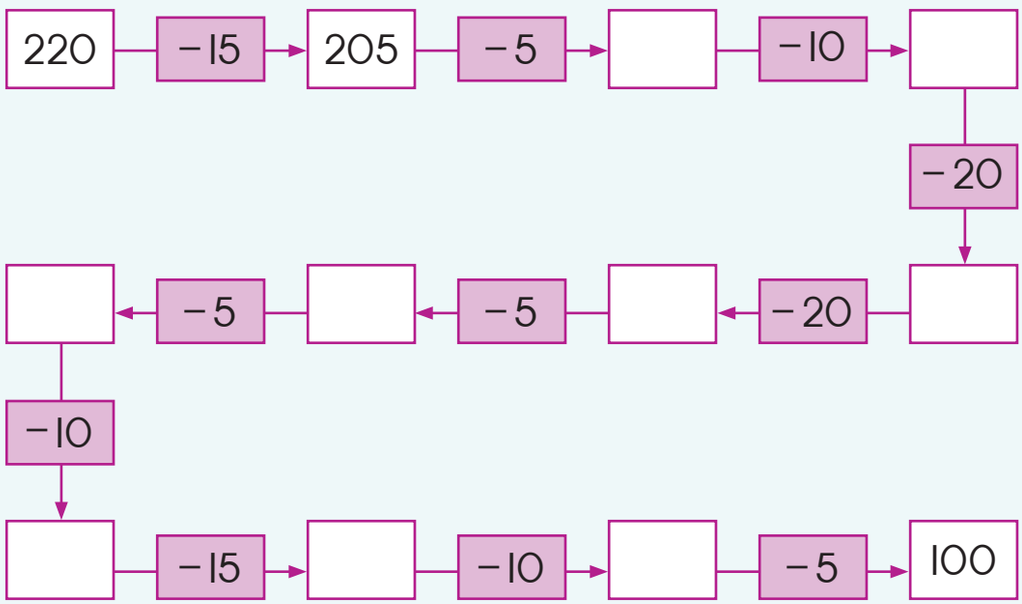
200	
	120



Bala ubuyele emuva kusuka kuma-220 kuye kuli-100

Susa letinombolo emabhokisini labovana sikhatsi ngesikhatsi.

Sesikwentele yekucala.



Nayi indlela yekuhlola timphendvulo takho. Cala ku-100. Sebenta ubuyele emuva kuma-220. Kodvwa nyalo, yengeta letinombolo.

1 2 3 4 5 6 7 8 9 10

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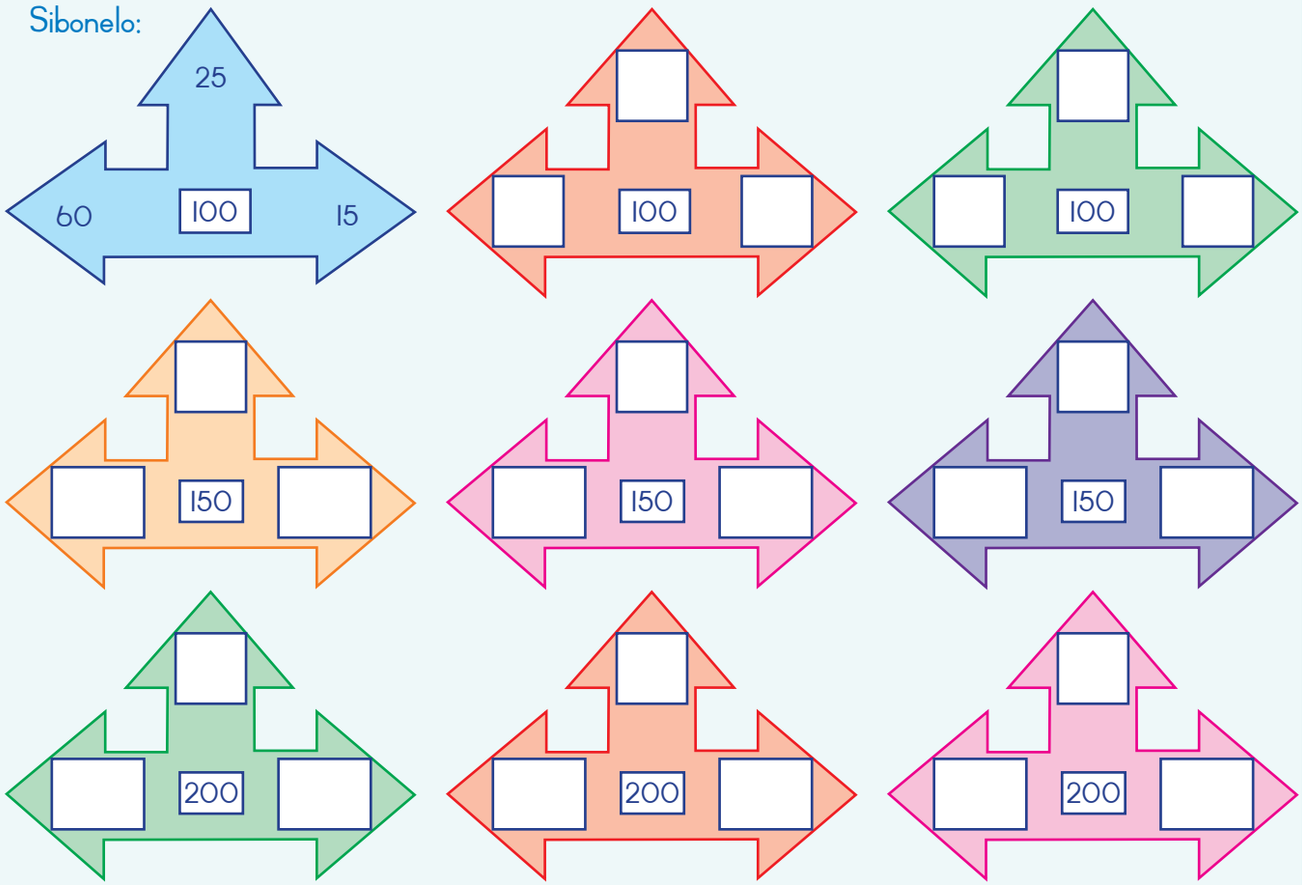




Imindeni yalabatsatfu

Tfola-3 tinombolo letihlanganisa lenombolo lehlosiwe.
Umtsetfo: Ibe yinye nje kuphela inombolo lengagcina ngeli-0.

Sibonelo:





Ema-50 ngetulu nema-50 ngaphasi

Bhala timphendvulo kuluhlu lwesi-2.

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

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40

Lusuku:

Kukala ngemasentimitha



Ngabe lisentimitha lingakanani?



Letinombolo kurula timele emasentimitha.

Sisebentisa lesinciphiso nobe luphawu lwa-cm.

Uma usebentisa irula, kumele ucale kulinganisa kuli-0.

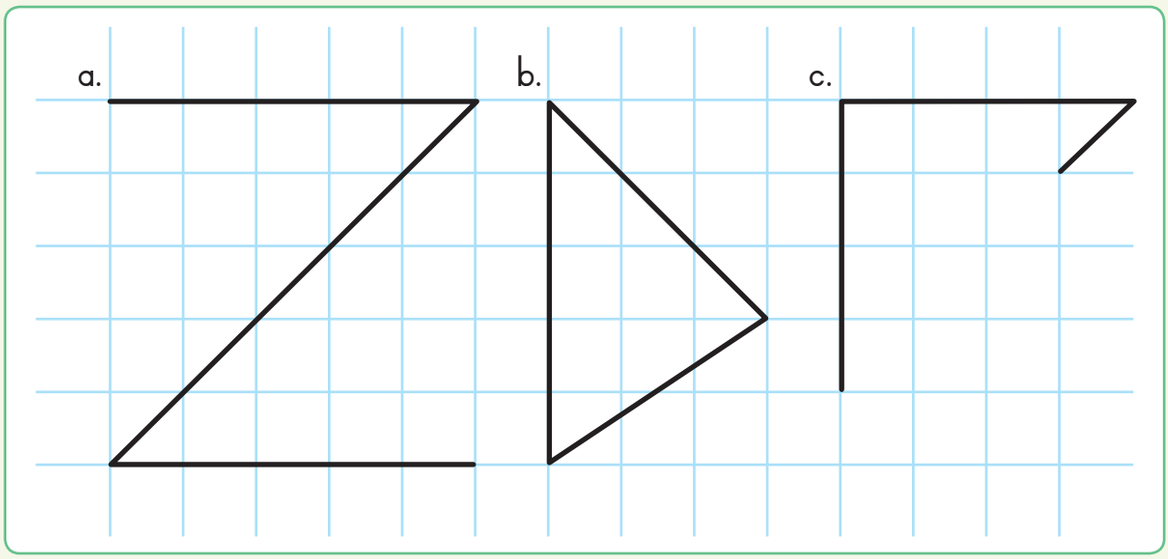
Lamanye emarula akakhombisi leli-0 njengalena lekulelikhasi.

Tfola licandza le-cm kurula. Bhala li-0 kurula.

Ukuphi 10 cm kulerula? Bhala 10 lapho.



Linganisa, bese ukala kahle ngerula yakho budze lobuphelele balemigca ngema cm.



a. Linganisa ____ cm	b. Linganisa ____ cm	c. Linganisa ____ cm
Kala ____ cm	Kala ____ cm	Kala ____ cm

1 2 3 4 5 6 7 8 9 10

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Mudze ngakanani umugca munye?

Ngabe umugca mudze ngema-cm lamangakhi?
Sebentisa umunwe kusisita kuncuma.

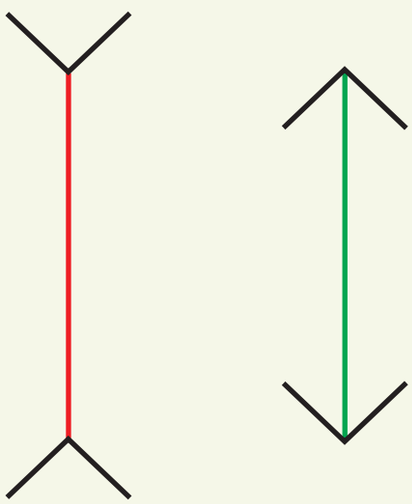
a. ——— ☐ cm	d. | ☐ cm
b. ——— ☐ cm	e. ☐ cm
c. — ☐ cm	f. ☐ cm



Ngabe ucinisekile?

Ngumuphi lomudze, umugca lobovu nobe loluhlata?

Ungahlola njani?





Loku ngulokubitwa ngekukhohlisa lokubonakalako. Loku kwenteka uma emehlo akho abona intfo lengekho. Lemigca lemibili iyalingana. Lemigca lebheke ekhatsi yenta umugca loluhlata ubukeke sengatsi mufisha kunaloku lewungiko. Lemigca lemnyama lechubekela ngephandle yenta lena lebovu ibukeke imijana bese imigca lemnyama lebheke ngekhatsi yente imigca leluhlata ibukeke imifishanyana.



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Lusuku:

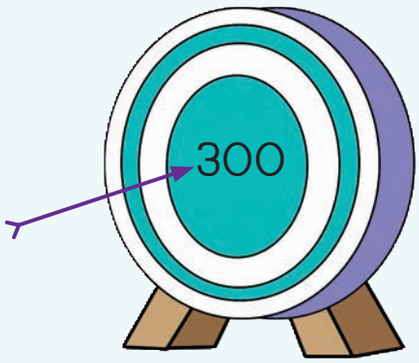
.....

Ithemu 2

Umgomo 300



Bala futsi ubhale ema-200



Bala kusuka kuma-201 kuye kuma-300.

Khomba njengobe uhamba.

Emva kwaloko gcwalisa tinombolo letilingangane kucala.

Sale ubhala tonkhe letinye tinombolo.



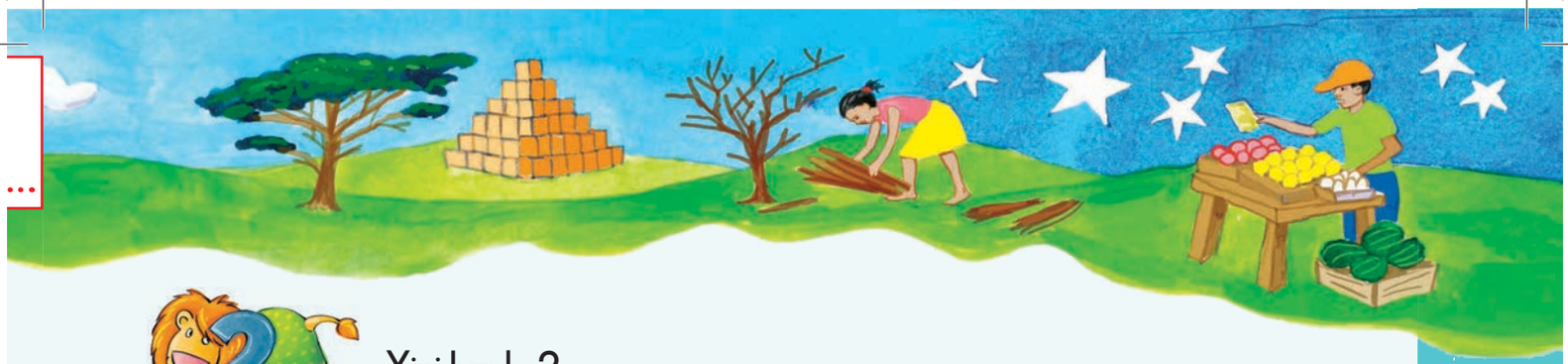
201						207			210
211									
221									
231									
								249	
			254						
				265					
		273							280
281					286				
							298		300

Bhala letinombolo letili-10 letilandzelako emva kwema-300.

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

1 2 3 4 5 6 7 8 9 10

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Yini luzubo?

301		281					
		171					211
						101	

Kukhombisa nekucatsanisa.

a. Bhala letinombolo letingena ekhadini ngalinye.

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

200							
90							
8							

b. Bhala tinombolo ngeluhla kusukela kulencane kuya kulenkhulu kakhulu.

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

Yini ingucuko? Bhala letinombolo letishiyekile.

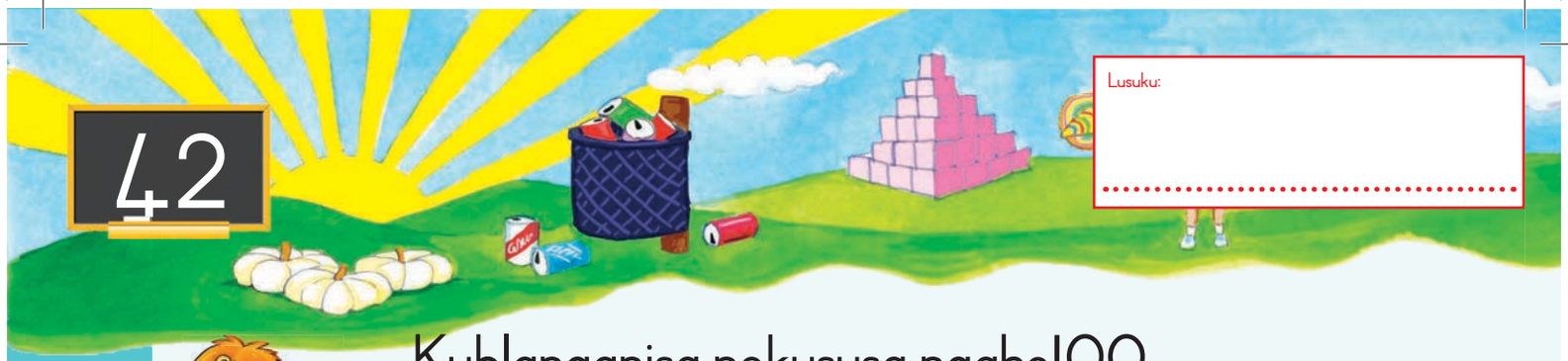
Kucala: 200 → +25 → 225 → ____ → 237 → ____ → 249 → ____ → 261

Kuphela: 300 ← ____ ← 286 ← ____ ← 278 ← ____ ← 261

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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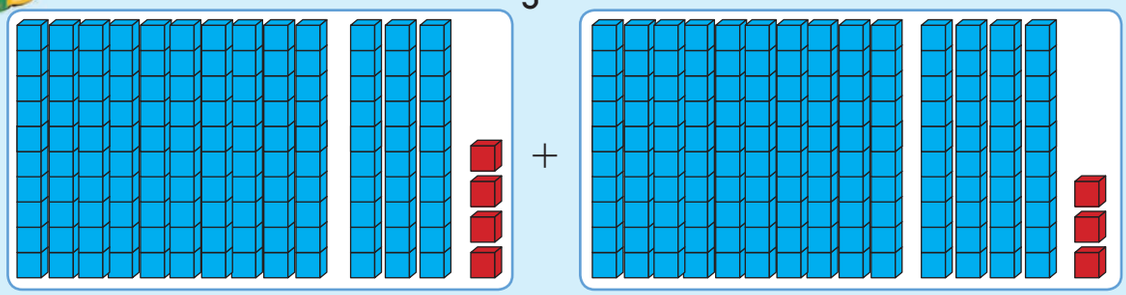
42

Lusuku:

Kuhlanganisa nekususa ngabo100



Kusebentisa emabhuloki kuhlanganisa



100 30 4 + 100 40 3

= 200 70 7

= 277



Landzela letindlela letimbili. Khombisa imphendvulo ngayinye ngetindlela letimbili.

a. 132 + 123



Indlela ya Busi

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

= 200 + 50 + 5

= 255



Indlela ya-Dumi

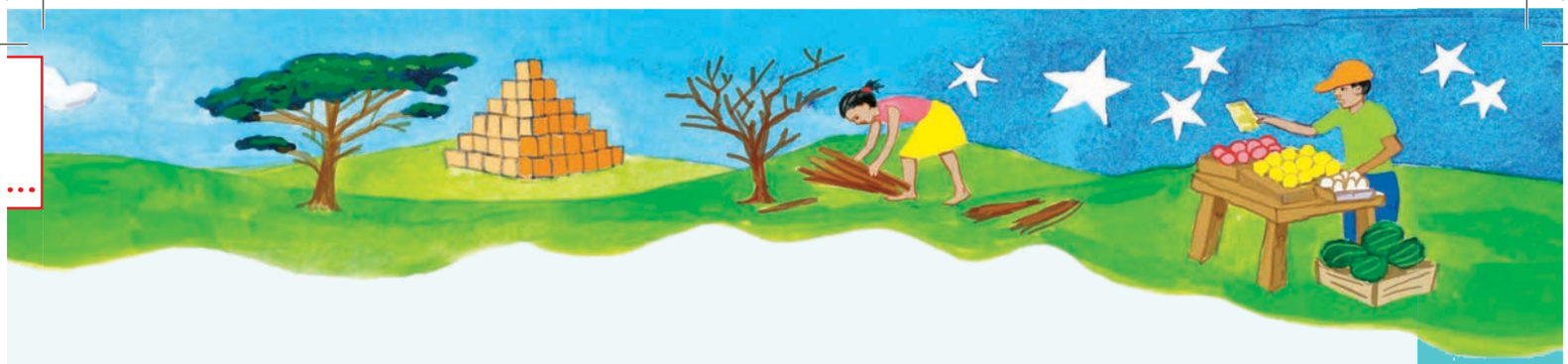
132 + 123

= 200 + 50 + 5

= 255

b. 114 + 162

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c. 276 + 148

Bukisisa indlela ngayinye. Yenta sibalo ngasinye ngetindlela letimbili.

a. 158 – 146

Indlela ya Busi

= 100 – 100 + 50 – 40 + 8 – 6

= 0 + 10 + 2

= 12

Indlela ya-Dumi

158 – 146

= 0 + 10 + 2

= 12

b. 194 – 122

c. 288 – 199

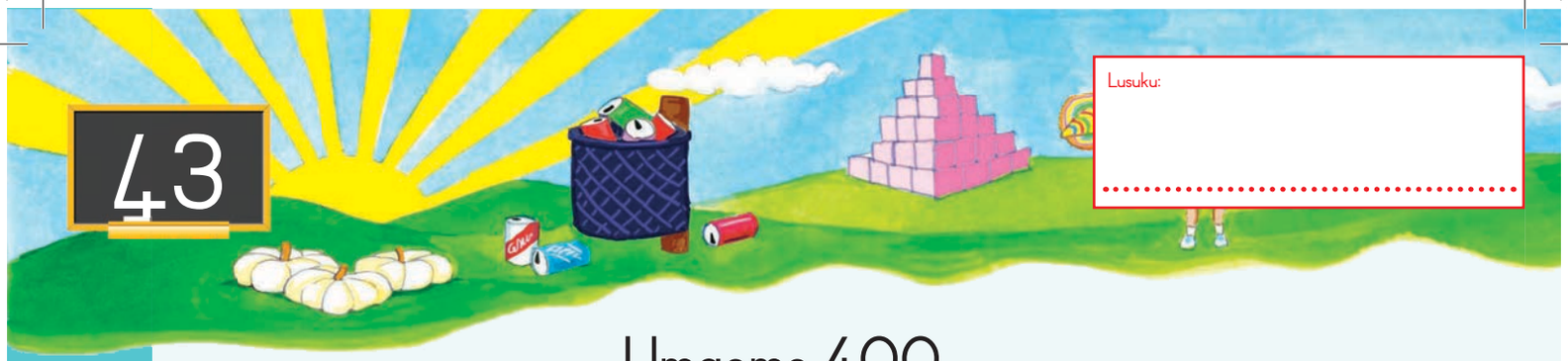
Teacher:

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Date:

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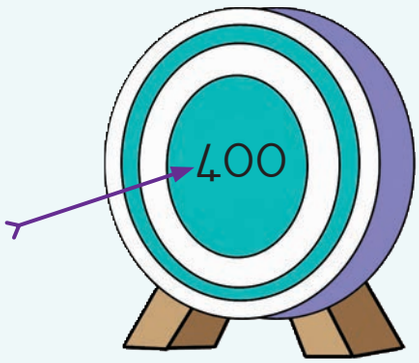
Lusuku:

Ithemu 2

Umgomo 400



Kubala nekubhala ngema-400



Bala kusuka kuma-300 uye kuma-400

Shano tinombolo usachubeka.

Bhala tinombolo letishiyiwe kulegridi.

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

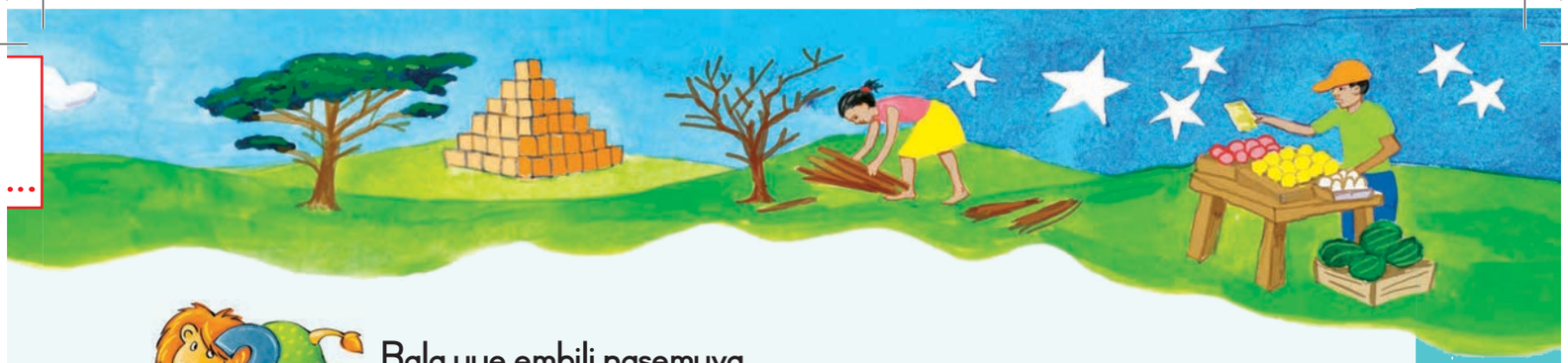


Bhala tinombolo letiyi-9 emva kwema-400.

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

1 2 3 4 5 6 7 8 9 10

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Bala uye embili nasemuva.

a. Kubala uye embili ngemashumi usuka kuma-300

Kucala 300 → +10 → ☐ → +10 → ☐ → +10 → ☐ → +10 → ☐

Kuphela ☐ ← +10 ← ☐ ← +10 ← ☐ ← +10 ← ☐ ← +10 ← ☐

b. Bala usuke kuma-400

Kucala 400 → −10 → ☐ → −10 → ☐ → −10 → ☐ → −10 → ☐

☐ ← −10 ← ☐ ← −10 ← ☐ ← −10 ← ☐ ← −10 ← ☐

→ −10 → ☐ → −10 → ☐ → −10 → ☐

Kuphela



Bhala kube yinombolo yinye.

300 + 20 + 4 = _____	300 + 10 + 5 = _____
300 + 50 + 3 = _____	300 + 70 + 7 = _____
300 + 60 + 2 = _____	300 + 90 + 9 = _____
300 + 80 + 1 = _____	300 + 40 + 8 = _____

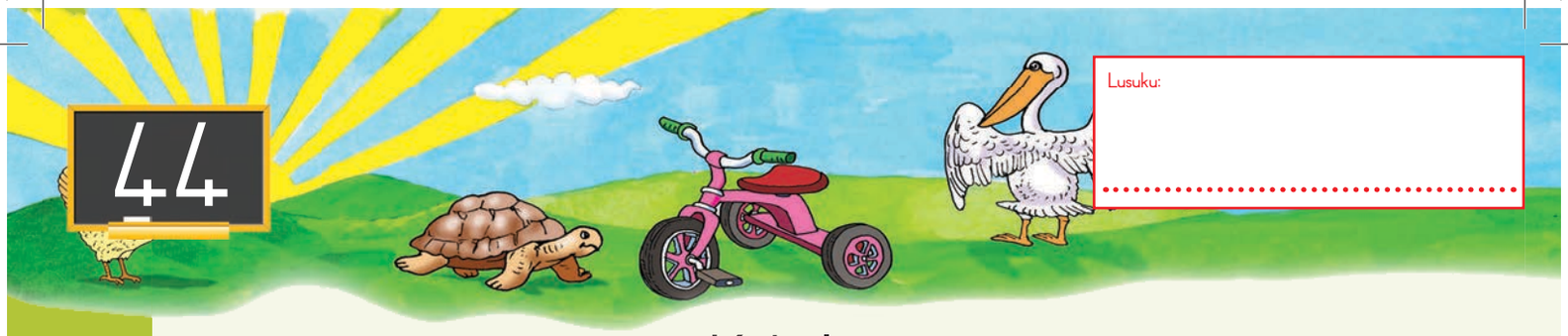
Bhala tinombolo ngekulandzelana kwato kusuka kulencane kakhulu kuya kulenkhulu kakhulu.

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



11 12 13 14 15 16 17 18 19 20

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44

Lusuku:

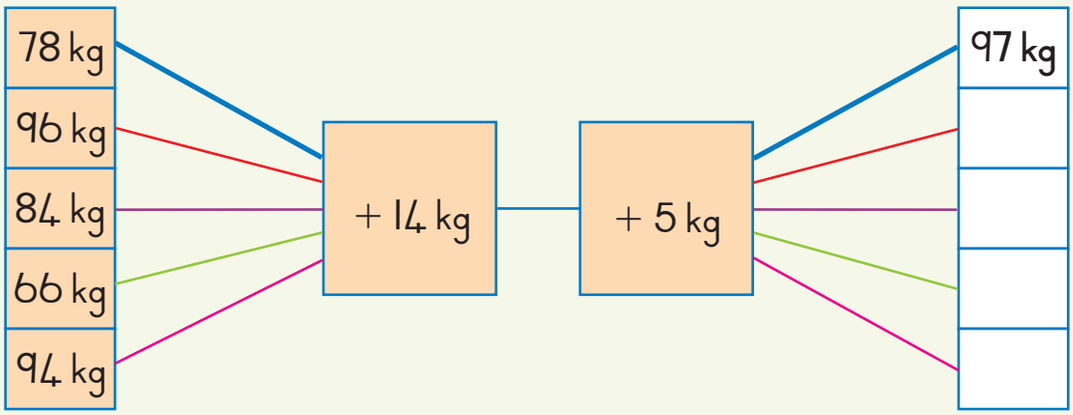
Kukala



Inombolo lekhetsekile

Hlanganisa uphindze ubhale timphendvulo.

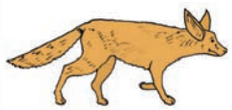
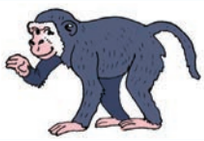






Sondzeta bese uyengeta!

Cabanga ngekuhlakanipha!

				
Jakalazi 25 kg	Lufudvu 98 kg	Imfene 59 kg	Umtfwana welidvuba 88 kg	Lilandza 9 kg

Sondzeta sisindvo sesilwane ngasinye ku 10 kg.

_____

Bhala sisindvo sesilwane ngasinye ngekulandzelana kusuka kulesilula kuya kulesesindzako.

_____

Yenta silinganiso sesamba sesisindvo saletilwane letisi-5 setitonkhe.

_____

1 2 3 4 5 6 7 8 9 10

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Hlanganisa lesisindvo sato.



Kungenteka ngingasindzi njengawe Lufudvu loludzala, kodvwa ngiyakwendlula ngelitubane!



Tinyatselo

- Sebentisa emanani akho lasondzetiwe kulinganisa.
- Linganisa sisindvo setilwane kuluhlu ngalunye.
- Bala emathothali usebentisa sisindvo lesingiso.
- Catsanisa lamathothali lamabili bese ubhala umehluko.

	Ngiyalinganisa	Ngiyabala	Umehluko
			
			
			

Buka. Catsanisa. Lungisa.

Sisindvo saVusi

Vusi uhlanganisa sisindvo sakhe kutisindvo teli-  nelu-  . Sisindvo sabo lesiphelele ngema-239 kg. Ngabe Vusi usindza ngakanani? Khombisa imphendvulo yakho.

Sitsini sami sisindvo?

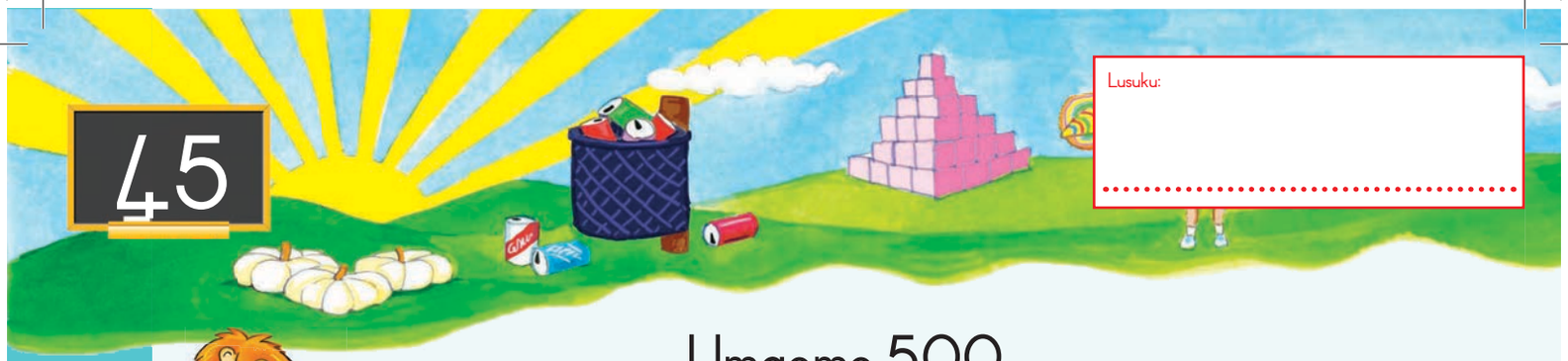
Dlalani ngemacembu. Ntjintjanani...

Hlanganisa sisindvo sakho kusisindvo saletinye tilwane. Tfola ithothali! Tjela licembu imphendvulo. Ungabakhombisi umsebenti wakho! Kumele batame kutfola sisindvo sakho.

Teacher:
Sign:
Date:

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45

Lusuku:

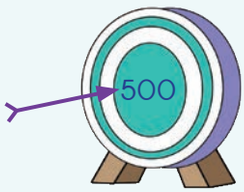
Ithemu 2

Umgomo 500



Bala uphindze ubhale

400



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

a. Bala uchubeke kusuka kuma-400. Shano letinombolo njengobe uhamba.

b. Bhala tinombolo letingekho kugridi.

c. Bhala tinombolo letiyi-9 letilandzelako emva kwema-500.

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

d. Bala ngaku-2. Bhala tinombolo letisi-8 letilandzelako ngephethini yabo-2.

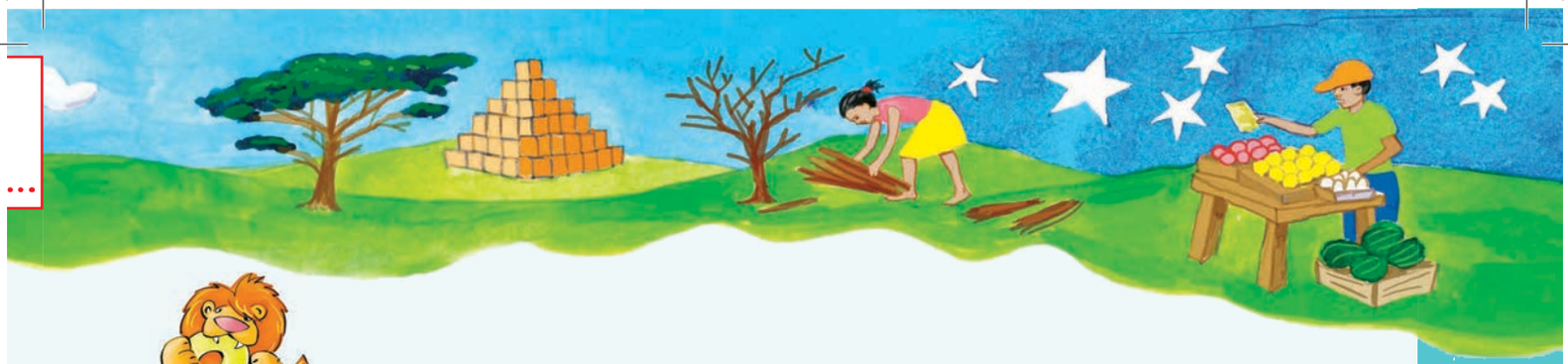
400; 402; _____; _____; _____; _____; _____; _____; _____; _____

e. Bala ngeti-5. Bhala tinombolo letisi-8 letilandzelako ngephethini yeti-5.

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

1 2 3 4 5 6 7 8 9 10

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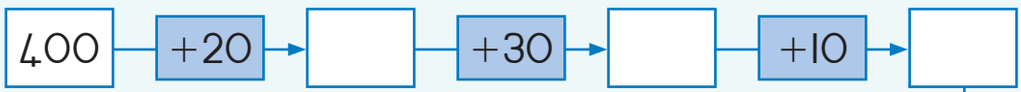


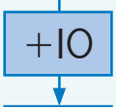


Yini umehluko?

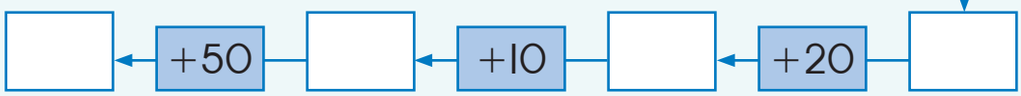
a. Balela embili kusuka kuma-400.

Kucala



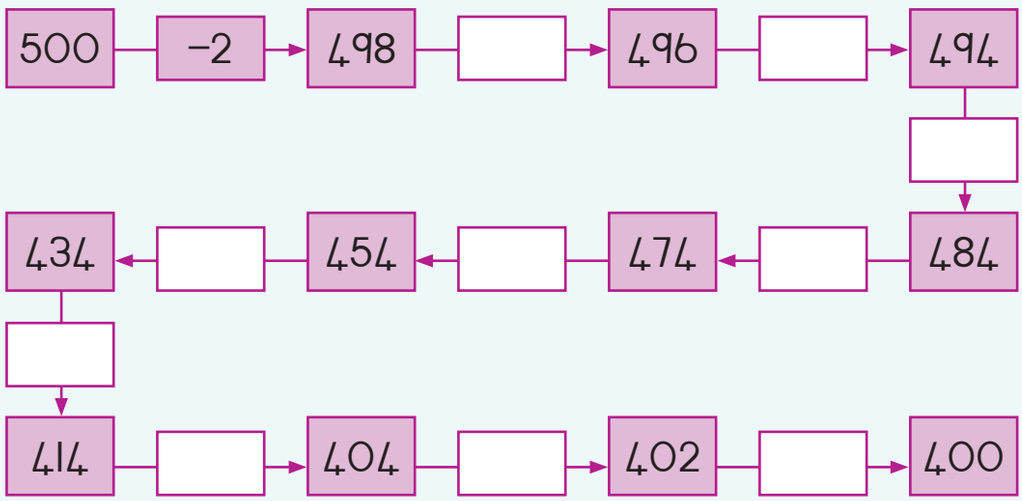


Kuphela



b. Balela emuva kusuka kuma-500.

Kucala



Kuphela



Khombisa letinombolo. Landzela lesibonelo.

Tfola inhlanganisela yesamba. Sebentisa emakhadi akho etinombolo kukhombisa samba ngasinye.

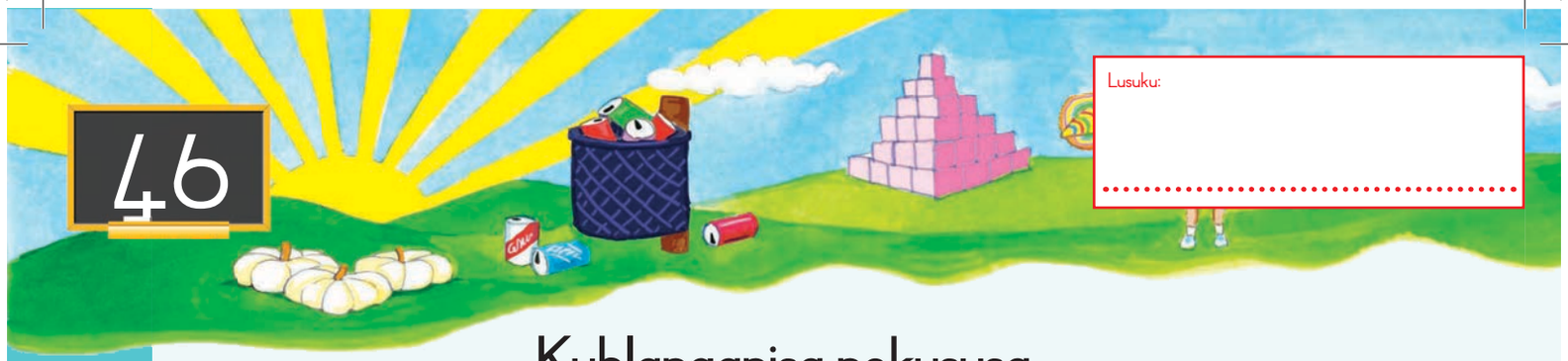
405 + 10	415	400 + 10 + 5
446 + 10		
455 + 10		

398+10		
424+10		
460+20		

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Date:

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46

Lusuku:

Kuhlanganisa nekusuka

Ithemu 2

Yini lokubonako?

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



Sitawuphindze sisebentise indlela yaBusi naDumi kwengeta.

a. 245 + 231



Indlela yaBusi

= 200 + 200 + 40 + 30 + 1

= 400 + 70 + 1

= 471



Indlela ya-Dumi

245 + 231

= 400 + 70 + 6

= 471

b. 278 + 136

c. 265 + 148

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Sitawusebentisa indlela yaBusi naDumi kunciphisa.

a. 476 – 324



Indlela yaBusi

= 400 – 300 + 70 – 20 + 6 – 4

= 100 + 50 + 2

= 152



Indlela ya-Dumi

476 + 324

= 100 + 50 + 2

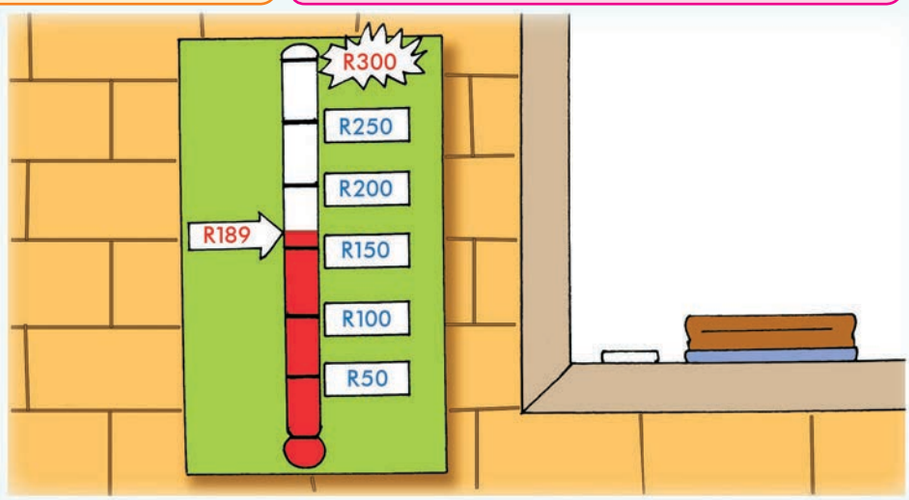
= 152

b. 489 – 456

c. 482 – 161



Kushaya inkoyoyo



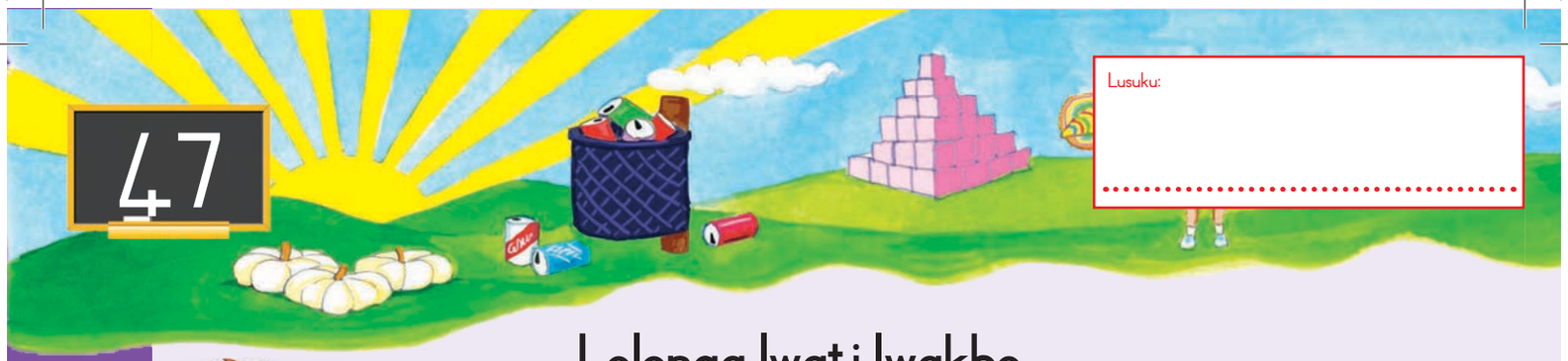
Bukisisa lesitfombe.

Kusele kanganani ushaye inkoyoyo?

R

Teacher:
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Date:

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47

Lusuku:

Ithemu 2

Lolonga lwati lwakho



Intsaba leyimfihlo

Yini ligama lentsaba lenkhulu eGauteng? Sebentisa lekhodi kutfola.
Condzanisa imphendvulo ngayinye ethebuleni eluhlavini lolukukhodi.

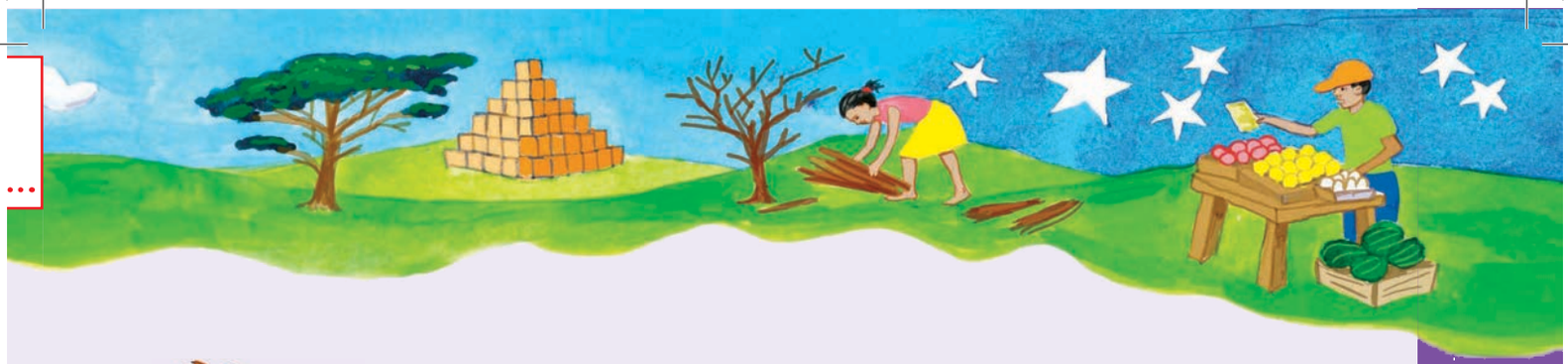
A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

Tinombolo temikhondvo	Imphendvulo	Luhlavu
Sibonelo: $2 \times 3 \times 3 \times 1 = \square$	18	R
$50 + 50 + 50 + 100 - 200 - 45 = \square$		
$1 + 2 + 7 + 10 + 7 + 1 - 14 = \square$		
$60 - 30 + 50 + 20 - 50 - 15 - 20 = \square$		
$3 + 2 + 7 + 1 + 2 + 1 + 3 = \square$		
$5 + 3 + 30 = 4 + 2 + 12 + \square$		
$100 - 5 - 70 = 20 + \square$		
$36 + 44 - 60 - 22 = \square$		
$10 + 15 = 14 + \square$		
$2 + 1 + 14 + 9 + 14 = 25 + \square$		
$1 \times 2 \times 2 \times 2 \times 2 = \square$		

Ligama lentsaba yi

1 2 3 4 5 6 7 8 9 10

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Buka! Cabanga, futsi uphendvule!

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

a.

Lutawuba njani luphawu lwa-16? Faka luphawu (✓) loku lokunguko. ✷ ✪ ☾

Lutawuba njani luphawu lwa-18? Faka luphawu (✓) loku lokunguko. ✷ ✪ ☾

Lutawuba njani luphawu lwa-23? Faka luphawu (✓) loku lokunguko. ✷ ✪ ☾

b.

Nombolo 50 utawuba ✷. Liciniso nobe Akusilo liciniso?

Nombolo 100 utawuba ✪. Liciniso nobe Akusilo liciniso?

Nombolo 28 utawuba ☾. Liciniso nobe Akusilo liciniso?



Hlola. Catsanisa. Lungisa.



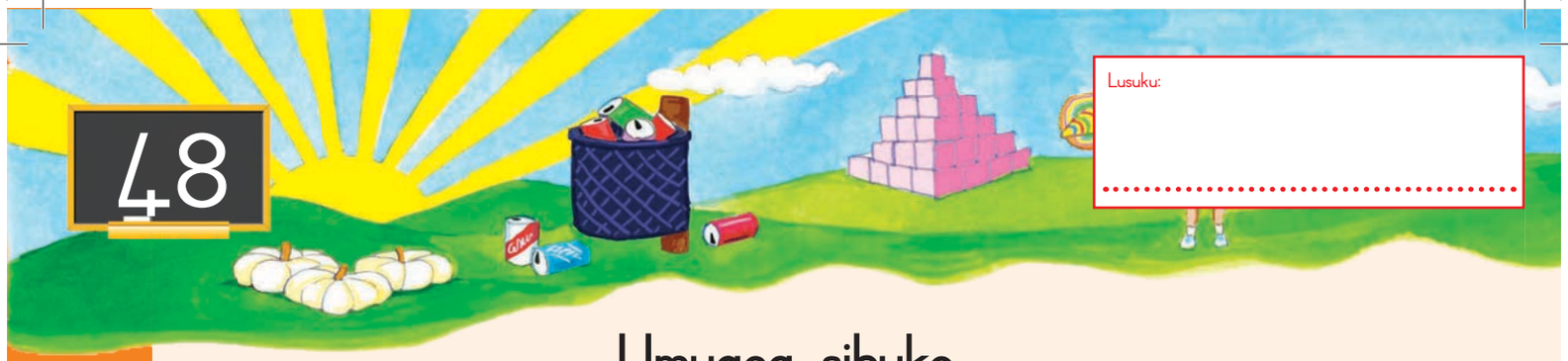
Ngukuphi lokungetulu?

Kutfola R2,50 ngelilanga imali yekudla ngeNhlaba nangaKholwane noma kutfola R150 imali yonkhe yemphako waletinyanga totimbili. Khombisa kutsi ukubale njani loku.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

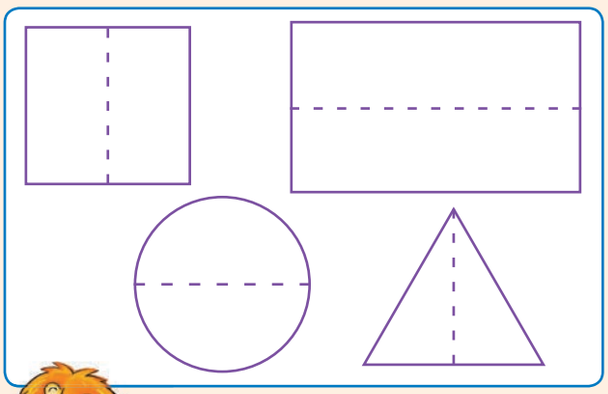
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Lusuku:

Umugca-sibuko

Yini lokunakako ngalabobunjwa?



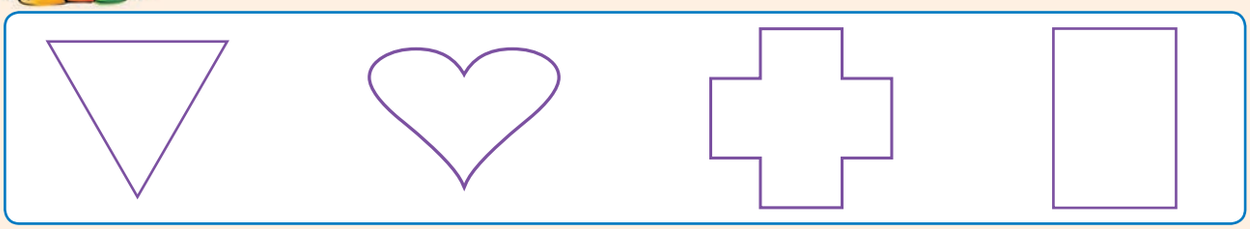
Umugca wesitfunti-mafanana ubhukula emkhatsini bohhafu lababili kwente kutsi ihhafu iyinye ifanane ncwe naleya lenye njengesitfunti esibukweni.

Bunjwa uba nesitfunti-mafanana uma ungamgoba emugceni wesitfunti-mafanana lapho khona labohhafu lababili bafana njengemaphahla.



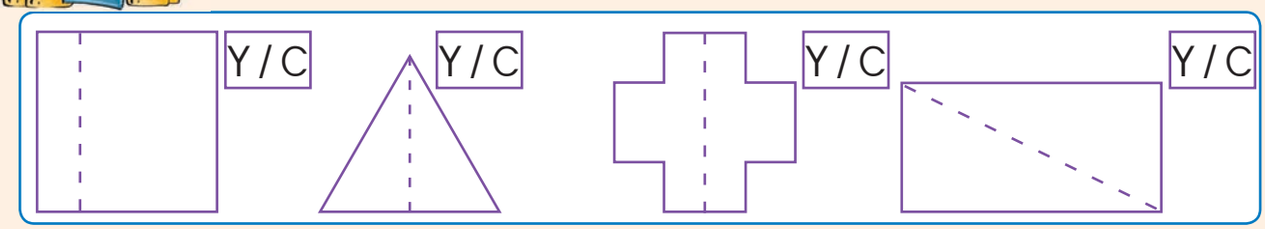


Dvweba umugca wesitfunti-mafanana waloyo naloyo bunjwa.



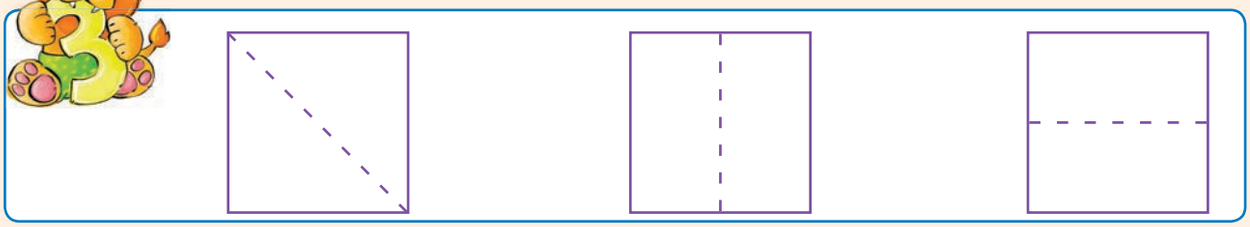


Umugca longemacashata ngabe ngewesitfunti-mafanana noma cha?
Kipilitela (Yebo)noma (Cha).





Ngabe nguwo umkhatsi-layini locondzile lo? Usho ngani?



1 2 3 4 5 6 7 8 9 10

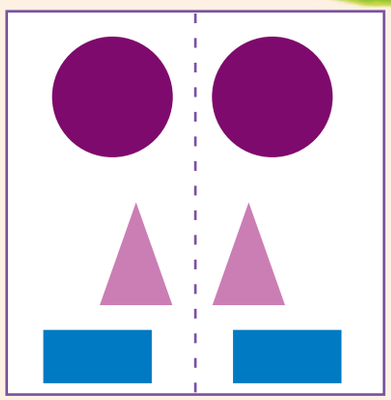
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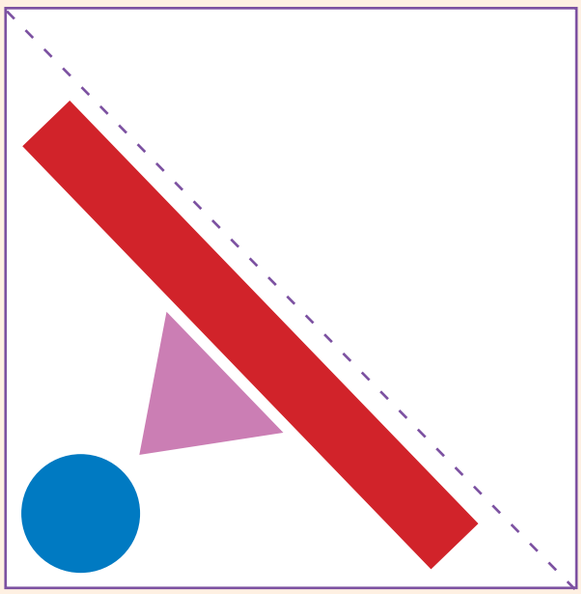


Dvweba bobunjwa kwenta sitfombe sesitfunti-mafanana. Sikwentele sibonelo sekucala.

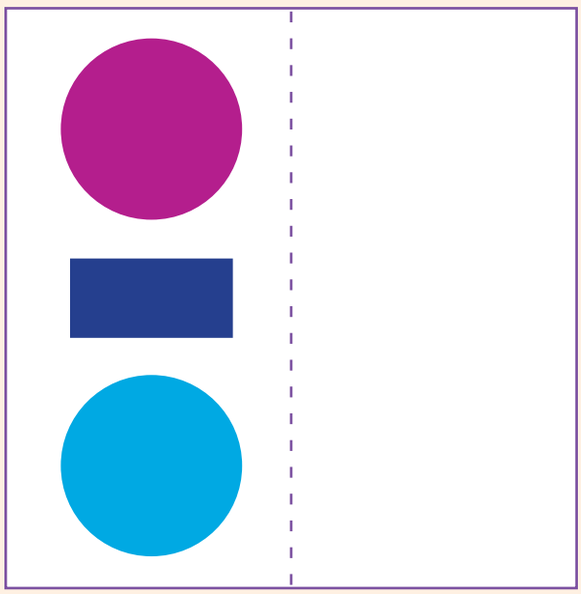
a.



b.



c.





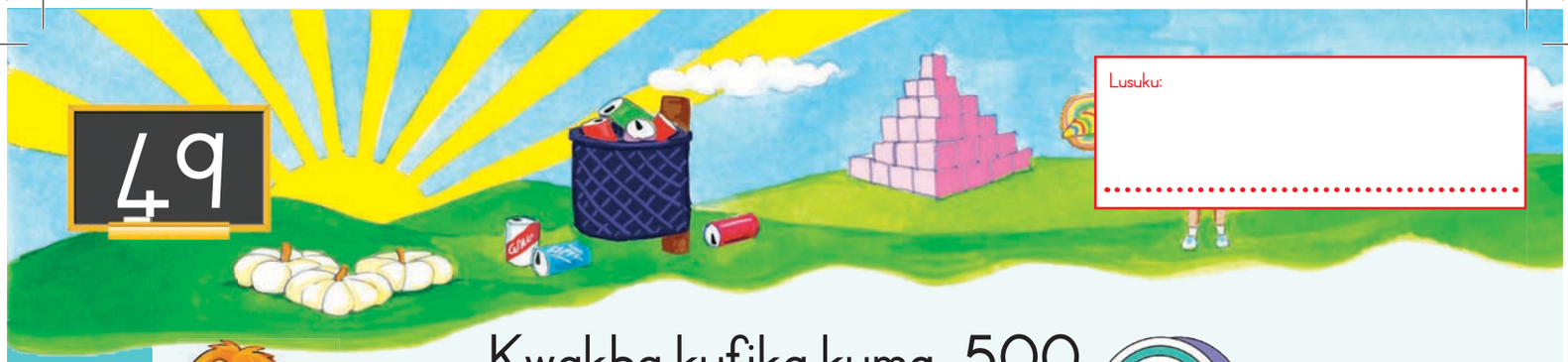
Yakha lakakho licansi letitfunti-mafanana usebentise bobunjwa.





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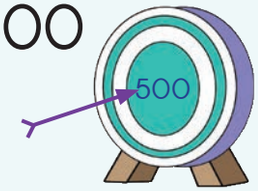


49

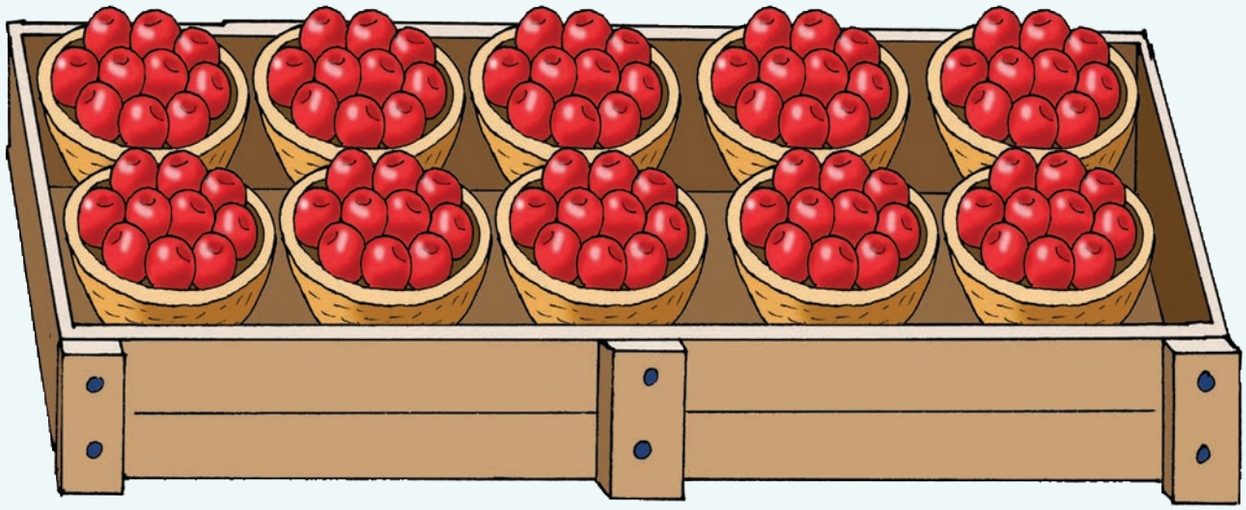
Lusuku:

Kwakha kufika kuma-500





Kubala lamahhabhula



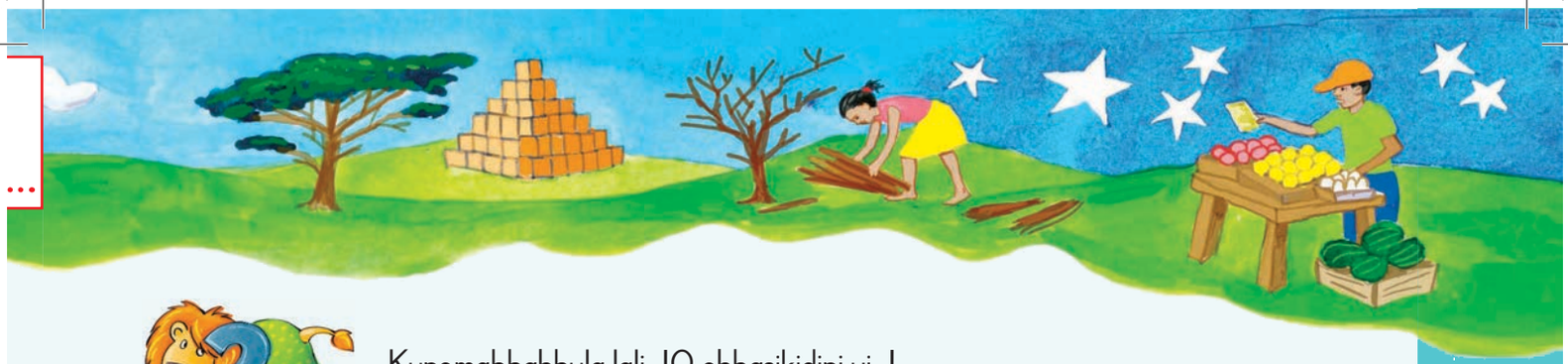
Cedzela bese uyaphindzaphindza.

Libhasikidi li-1 liphatsa emahhabhula la _____.	$1 \times 10 = 10$
Emabhasikidi lama-3 aphatsa emahhabhula la _____.	$3 \times 10 =$
Emabhasikidi lasi-5 aphatsa emahhabhula la _____.	
Emabhasikidi la-4 aphatsa emahhabhula la _____.	
Emabhasikidi la-2 aphatsa emahhabhula la _____.	

1 likasi licukatsa 100 wemahhabhula.	2 wemakasi acukatsa ___ wemahhabhula.
3 wemakasi acukatsa ___ wemahhabhula.	4 wemakasi acukatsa ___ wemahhabhula.
5 wemakasi acukatsa ___ wemahhabhula.	2 hhafu wemakasi ucukatsa __emahhabhula.

1 2 3 4 5 6 7 8 9 10

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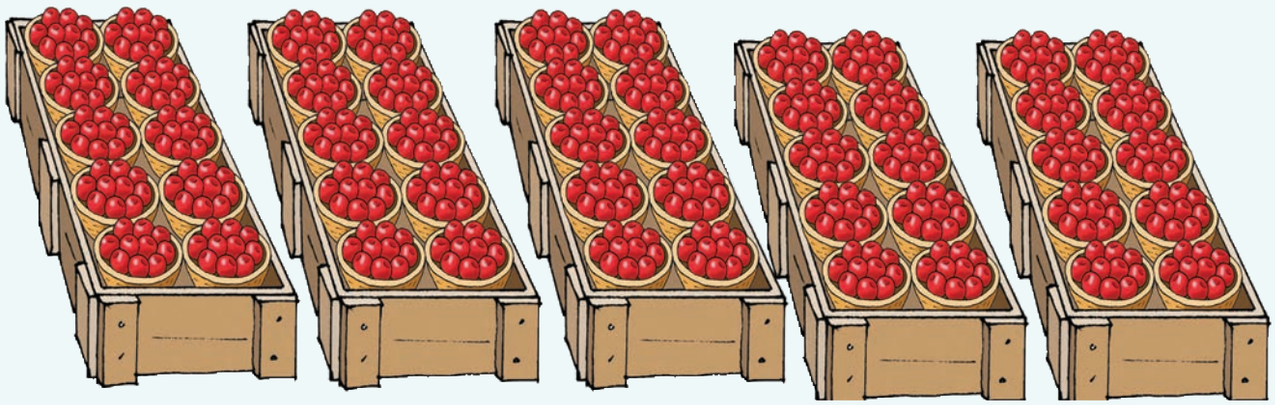


Kunemahhabhula lali-10 ebhasikidini yi-1.

Kuna_____ wemabhasikidi ekasini linye.

Kuna _____ wemahhabhula ekasini linye.

Mangakhi emahhabhula sekawonkhe? _____



Bala, ukhombise futsi ubhale

Kwekucala sebentisa emakhadi etinombolo kukhombisa ithothali ngayinye.
Emva kwaloko bhala lenombolo.

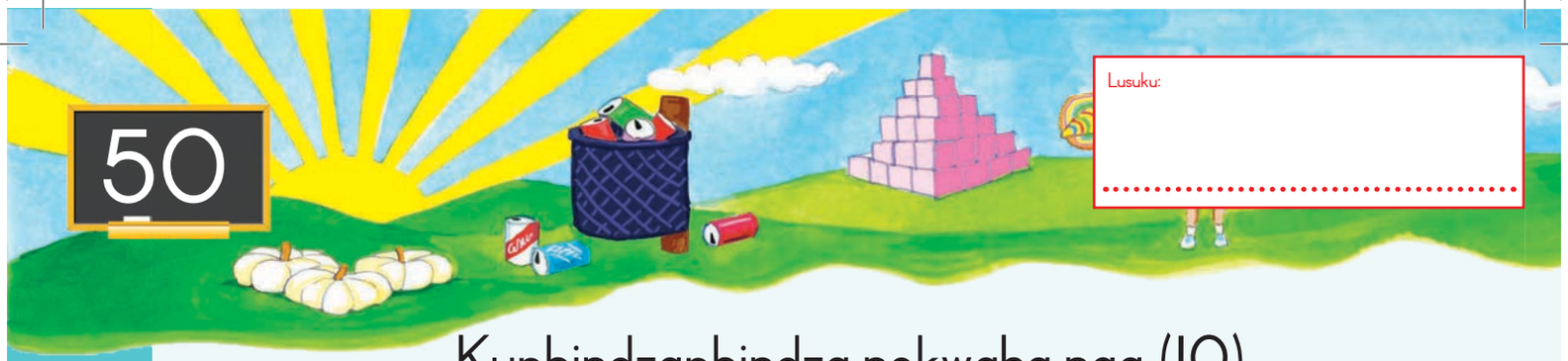
300 40 5

3	emakasi emahhabhula	+ 4 emabhasikidi	+ 5 Emahhabhula	= 345 emahhabhula
4	emakasi emahhabhula	+ 5 emabhasikidi	+ 7 Emahhabhula	=_____ emahhabhula
5	emakasi emahhabhula	+ 2 emabhasikidi	+ 3 Emahhabhula	=_____ emahhabhula
4	emakasi emahhabhula	+ 7 emabhasikidi	+ 2 Emahhabhula	=_____ emahhabhula

Teacher:
Sign:
Date:

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Lusuku:

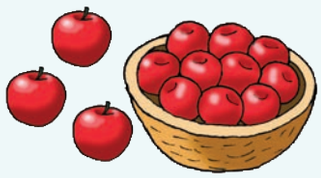
Kuphindzaphindza nekwaba nga (10)



Kubala emahhabhula.

Gcwalisa lelithebula.

Mangakhi emabhasikidi lacukatsa emahhabhula?

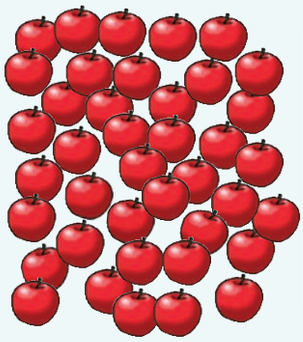


Emahhabhula	10	20	30	40	50
Emabhasikidi	1	2			
÷ sibalo					50 ÷ 10 = 5
× sibalo					5 × 10 = 50



a. Yabela bantfwana emahhabhula. Yenta sibalo sekwaba nesekuphindzaphindza kuhlolisisa inphendvulo yakho.









Hlola timphendvulo takho

□ ÷ □ = □

□ × □ = □

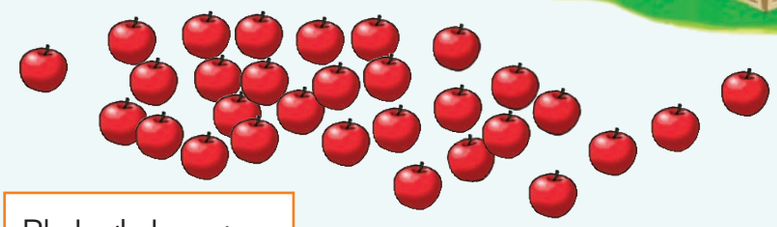


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b.







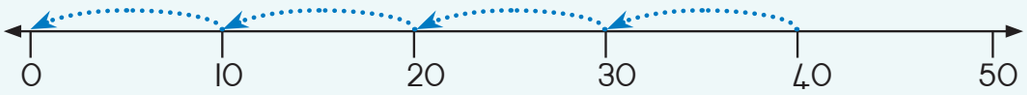
Bhala sibalo se ÷

Bhala sibalo se × kuhlolisisa timphendvulo takho.





Sebentisa letinombolo kwenta yakho imishonombolo.

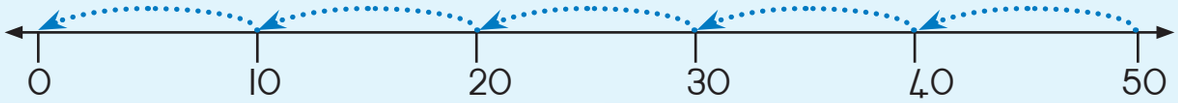


Imishonombolo

÷	40 ÷ 10 = 4

×	4 × 10 = 40

a.



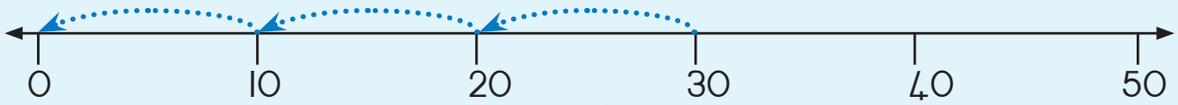
÷		×	

b.



÷		×	

c.



÷		×	



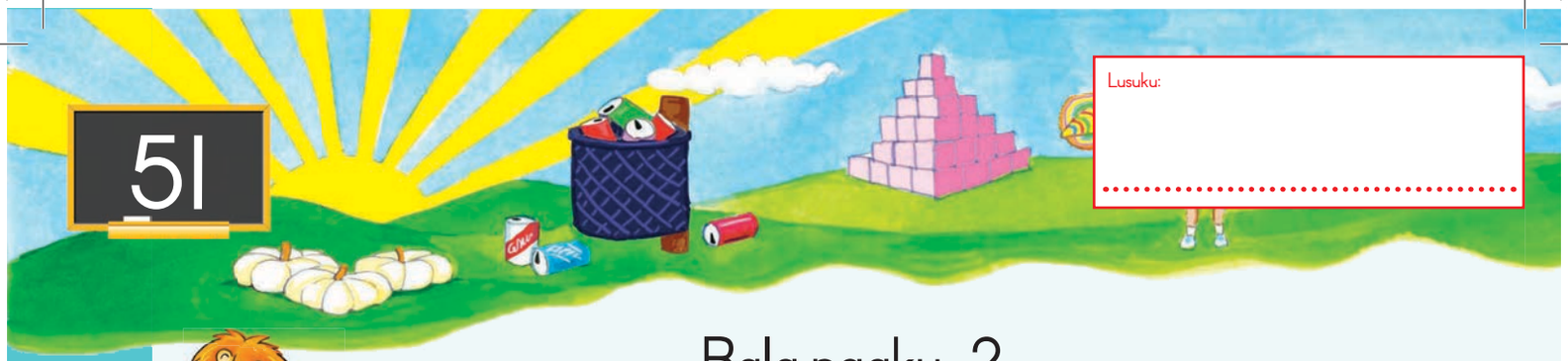
Bhala inombolo lencane nga 10 nalenkhulu nga 10 kunaleyo leniketiwe.

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



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Lusuku:

Bala ngaku-2



Balela phambili ngaku-2 nasemuva.

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

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

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

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



Emapheya emagilavu



a. Mangakhi emapheya emagilavu kuluhlu lunye? _____

b. Mangakhi emagilavu lahamba ngalinye kuluhlu lunye? _____

c. Tingakhi tinhlu? _____

d. Mangakhi emagilavu sekawonkhe? _____

e. Khombisa kutsi ubale njani.

f. Bhala imphendvulo yakho njengemushonombolo.

_____ × _____ = _____



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Mangakhi emagilavu?

Bhala kumathebula.

a.

Lipheya	1	10	5	50	4	40	3	30	100
Linani lemagilavu	2								

b.

Ligilavu linye	20	21	70	73
Emapheya langentiwa				
Emagilavu lahamba ngalinye lasele				



Bala ngakubili.

a. Nguyiphi inombolo leba semkhatsini waleti?

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

b. Bhala tinombolo letimbili letilandzelako.

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

c. Bhala tinombolo letimbili letilandzelako.

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



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Lusuku:

Yila ngemathayili



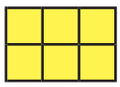
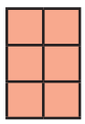
Kulungiselela kwenta ingadze



Make Mabena unemathayili lamahle.

Uwasebentise kupheva indzawo tsite engadzeni yakhe.

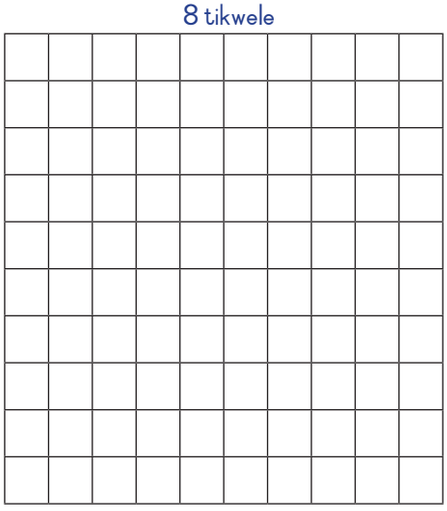
Kunemathayili lasi-6 lalinganako.

Ngengeta luhlu lu-1 ngemathayili lasi-6 ngeluhla.	Ngengeta tinhlu leti-2 ngemathayili lama-3 ngeluhlu.	Ngengeta tinhlu leti-3 ngemathayili lama-2 kuluhlu lunye.
		
$6 \times 1 = 6$	$3 \times 2 = 6$	$2 \times 3 = 6$

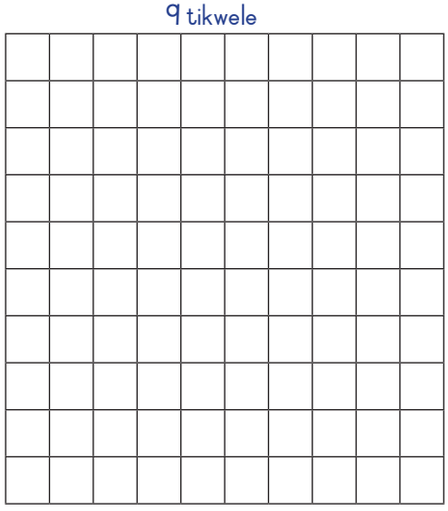
Nyalo sekulitfuba lakho!

Faka umbala kumabhuloki kukhombisa kutsi ungawahlela njani emathayili lasi-8 ne-9 lasi kwele.

8 tikwele



9 tikwele



Bhala imishonombolo kumdvwebo ngamunye.



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Hlela emathayili lali-12

Thabo unemathayili lasikwele lali-12 kutsi apheve eceleni kwendlu. Msite atfole tindlela langenta ngato loku. Bhala umushonombolo lobonisa indlela ngayinye.

Sibonelo:	$1 \times 12 = 12$ $12 \times 1 = 12$



Hlela emathayili langema-24

- Sebentisa legridi koLokujutjiwe 2.
- Hlobisa ngetindlela letehlukene kute uvale emabhuloki langema-24.
- Bhala imishonombolo kucatsanisa umdvwebo ngamunye.

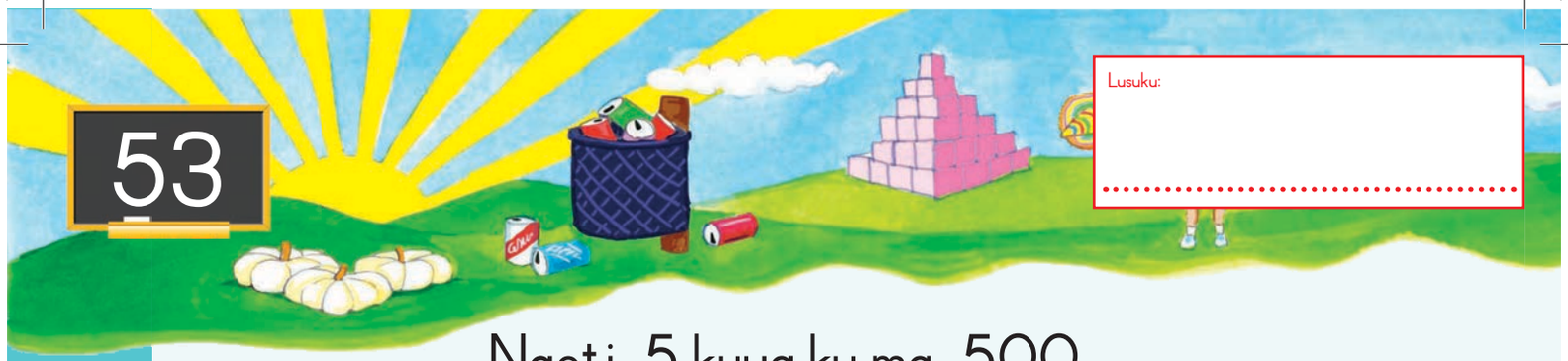


Ngingaphindzaphindza!

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

Teacher:
Sign:
Date:

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Lusuku:

Ngeti-5 kuya ku ma-500



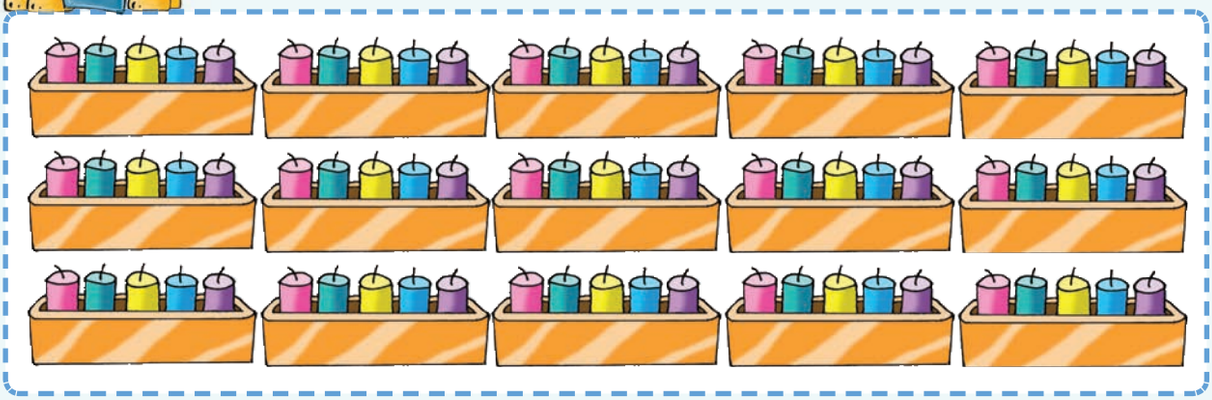
Yati ti-5 takho

Gcwalisa letimphendvulo.

	1	2	3	4	5	6	7	8	9	10
× 5	5									



Bala lamakhandlela



a. Mangakhi emakhandlela ebhokisini ngalinye? _____

b. Mangakhi emabhokisi eluheleni ngalunye? _____

c. Mangakhi emakhandlela eluheleni ngalunye? _____

d. Mangakhi emakhandlela sekawonkhe? _____



Khombisa imphendvulo yakho

Faka luphawu (✓) imishonombolo lekhombisa linani leliphelele lemakhandlela.

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

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4 Balela phambili nasemuva ngeti-5

a. 85; _____; _____; 70; _____; _____; 55; _____; _____

b. 240; _____; _____; 255; _____; _____; _____; _____; 280

c. 405; _____; 395; _____; _____; 380; _____; _____; 365; _____

5 Gcogca tindibilishi tabo R5



Bantfwana bakoleka boR5. Baswela kwenta bangakhi boR5?

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

2 × R5 = R _____

4 × R5 = R _____

3 × R5 = R _____

6 × R5 = R _____



6 Phindzaphindza ngeti-5

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

Cabanga ngekuhlakanipha! Yakha ngetintfo lotatiko!

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

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

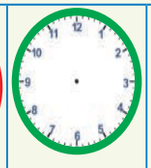
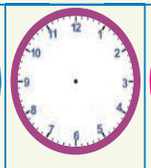
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Lusuku:

Kusebenta ngesikhatsi

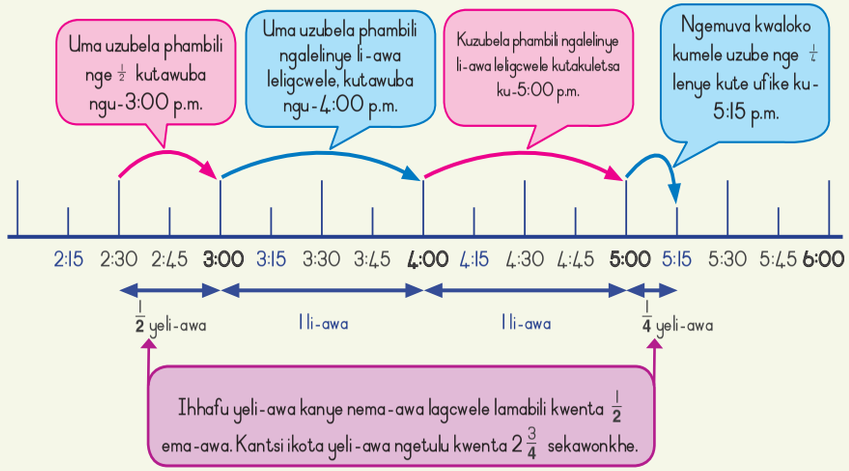
Dvweba letikhatsi

					
Kugabence insimbi yesi-5	Kusele emashumi lasihlanu kutsi kushaye insimbi yelishumi nakunye	Imizuzu lelishumi nesihlanu ishayile insimbi yeli-12	12:45	6:15	4:30

Inkinga yesikhatsi

Make waNomsa usuka ekhaya nga-2:30 p.m. Ubuya emuva ekhaya nga-5:15 p.m. Uhambe sikhatsi lesingakanani?

Singasebentisa umugcasikhatsi kubala. Beka umunwe wakho ku-2:30, sikhatsi lekunguso nyalo.



Tinkinga tesikhatsi

Buka. Catsanisa. Lungisa.

Catulula inkinga ngayinye. Sebentisa imigcasikhatsi kukusita.

a. Queenie uvakashela Babe wakhe emtfolamphilo nga-15:45 p.m. Usuka nga-17:15 p.m.

Uvakashe sikhatsi lesingakanani?

_____



b. Musa uya apaki nga-10:45 a.m.

Ubuya ekhaya nga-12:30 p.m.

Uhambe sikhatsi lesingakanani?

_____



c. Tumi ucala kufundza nga-13:15 p.m.

Ucedza nga-14:45 p.m.

Ngabe Tumi ufundze sikhatsi lesingakanani?

_____



Teacher:
Sign:
Date:

Lusuku:

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Lusuku:

Bala ngaku-3 nangaku-4



Emabhodo lanemilente lemi-3

Hlanganisa bese ubhala timphendvulo



a. Mangakhi emabhodo eluheleni ? _____

b. Mingakhi imilente eluheleni ?_____

c. Mangakhi emahele emabhodo? _____

d. Mingakhi imilente seyiyonkhe? Khombisa kutsi ukubale njani loku.

Ngumuphi umusho nombolo lokhombisa sekukonkhe.

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



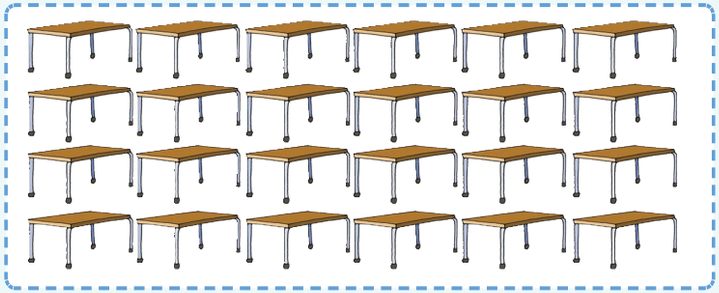
Mingakhi imilente?

Cabanga ngekushesha
Cabanga ngekuhlakanipha

1 libhodo	3	imilente	10 emabhodo		imilente	5 emabhodo		imilente
2 emabhodo		imilente	15 emabhodo		imilente	12 emabhodo		imilente
5 emabhodo		imilente	13 emabhodo		imilente	14 emabhodo		imilente



Imilente yelitafula



a. Mangakhi ematafula eluheleni? _____

b. Mingakhi imilente eluheleni? _____

c. Mangakhi emahele ematafula? _____

d. Mingakhi imilente seyiyonkhe? Khombisa kutsi ukubale njani loku.



Sisefektri



Umbati wakha ematafula. Ucale akhe imilente.

Sewakhe ema-48 kwanyalo. Mangakhi ematafula langawakha?

Kumele akhe mingakhi leminye imilente yelitafula linye?



Cedzela legridi ngekugcwalisa timphendvulo.

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



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Lusuku:

56

Sita bantfwana



Umntfwana munye, ingubo yinye!

Bangakhi bantfwana? Linganisa, bese uyabala.





Ngubo yelitsemba

Futfumeta bantfwabetfu

NPO 123-098



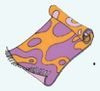
Bonkhe labantfwana esitfombeni batfola ingubo. Bangakhi bantfwana labalapho? _____		
Linganisa	Bala	Catsanisa
Bangakhi ☺ bafana? ____ Mangakhi ☺ emantfombatana? ____		



Ngumalini lebambhadalako?

Gwazi  utsenga ti-2  .

Ubhadala R

Make Chaane  utsenga si-5  .

Ubhadala R

Baka-Thembi Stores 

batsenga ema-20  .

Babhadala R



5  ngema-R50 = R250	10  ngema-R50 = R500
4  ngema-R50 = R___	15  ngema-R50 = R___
3  ngema-R50 = R___	6  ngema-R50 = R___
7  ngema-R50 = R___	12  ngema-R50 = R___
8  ngema-R50 = R___	9  ngema-R50 = R___



Kutawutsatsa sikhatsi lesingakanani? Sebentisa ikhalenda.

Likilasi leLibanga 3 ligcogca imali yekutsenga tingubo leti-4.

Bagcogca R5 ngelilanga ngemalanga lasi-5 ngeliviki.

Badzinga mangakhi emaviki kukoleka imali yaletingubo?



Teacher:
Sign:
Date:

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

Lusuku:

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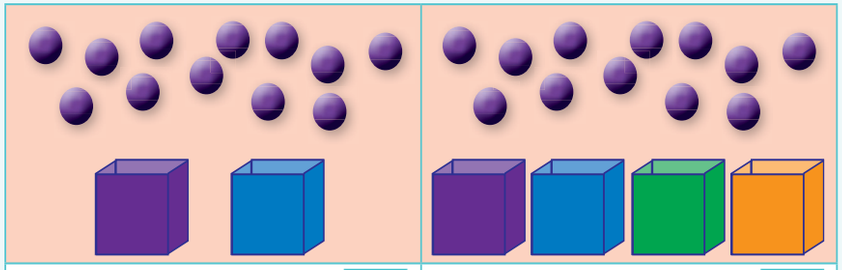
57

Lusuku:

Emafrakishini: bohhafu nemakota



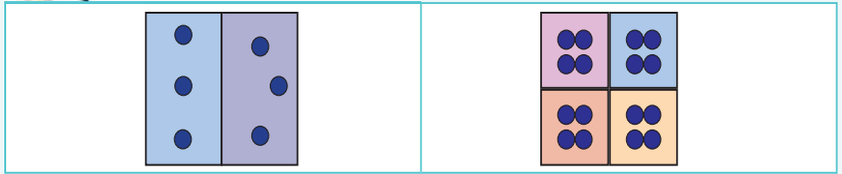
Yaba emabhola ngekulingana emkhatsini wemabhokisi



• Mangakhi emabhola ebhokisini linye?	• Mangakhi emabhola ebhokisini linye?
• Mangakhi emabhola ebhokisini lelisamsobo?	• Mangakhi emabhola ebhokisini lelisamsobo?
• Ngubani ifrakishini yemabhola lesebhokisini lelisamsobo?	• Ngubani ifrakishini yemabhola lesebhokisini lelisamsobo?



Buka letitfombe bese uphendvula imibuto.



Tingakhi tindilinga longatibala?	Tingakhi tindilinga longatibala?
Ngubani $\frac{1}{2}$ yetindilinga?	Ngubani $\frac{1}{4}$ yetindilinga?
	Ngubani $\frac{2}{4}$ yetindilinga?
	Ngubani $\frac{3}{4}$ yetindilinga?
	Ngubani $\frac{4}{4}$ yetindilinga?



Faka umbala ku $\frac{1}{2}$ waloyo bunjwa.

Faka umbala ku $\frac{1}{4}$ waloyo bunjwa.

Faka umbala ku $\frac{2}{4}$ waloyo bunjwa.

Faka umbala ku $\frac{3}{4}$ waloyo bunjwa.



Buka lelibhande frakishini

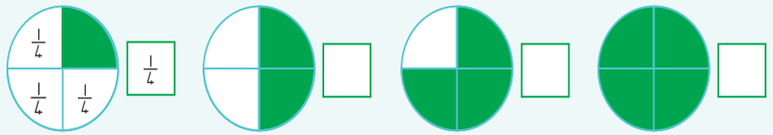
I lokugcwele	
$\frac{1}{2}$	$\frac{1}{2}$
$\frac{1}{4}$ $\frac{1}{4}$	$\frac{1}{4}$ $\frac{1}{4}$

a. Bangakhi bohhafu ($\frac{1}{2}$) labakha kunye lokugcwele?

Mangakhi emakota ($\frac{1}{4}$) lakha kunye lokugcwele?

Mangakhi emakota ($\frac{1}{4}$) lakha ihhafu?

b. Buka lemidvwebo bese ubhala ifrakishini yencenye lefakwe umbala.



c. Nguyiphi ifrakishini lenkhulu $\frac{1}{2}$ noma $\frac{1}{4}$?

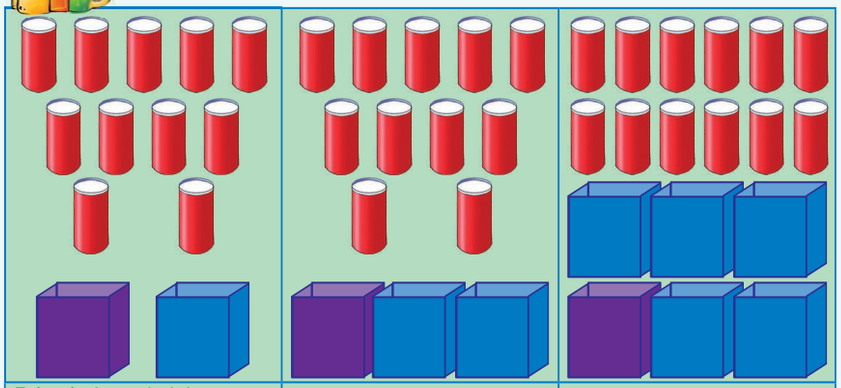
Teacher:
Sign:
Date:

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Lusuku:

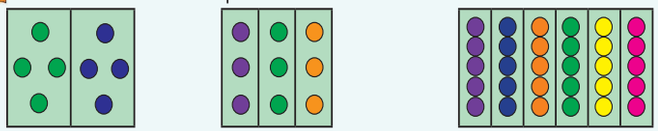
Emafrakishini: bohhafu, boncenyentsatfu naboncenyesitfupha

Yaba tikotela (emasilinda) ngalokulinganako emabhokisini.



Ithothali yetikolela:			
• Tingakhi tikotela ebhokini lelisamsobo?	12		
• Itsini ifrakshini yaletisebhokisini lelisamsobo?	$\frac{1}{2}$		

Buka letitfombe bese uphendvula imibuto.



Tingakhi tindilinga longatibala? ☐ ☐ ☐

Ngubani i $\frac{1}{2}$ yetindilinga? ☐

Ngubani i $\frac{1}{3}$ wetindilinga? ☐

Ngubani i $\frac{2}{3}$ wetindilinga? ☐

Ngubani i $\frac{3}{3}$ wetindilinga? ☐

Ngubani i $\frac{1}{6}$ wetindilinga? ☐

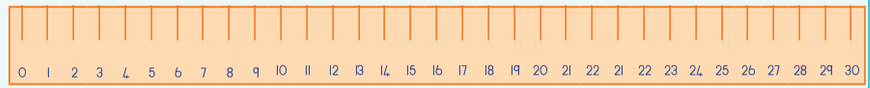
Ngubani i $\frac{2}{6}$ wetindilinga? ☐

Ngubani i $\frac{3}{6}$ wetindilinga? ☐

Ngubani i $\frac{4}{6}$ wetindilinga? ☐

Ngubani i $\frac{5}{6}$ wetindilinga? ☐

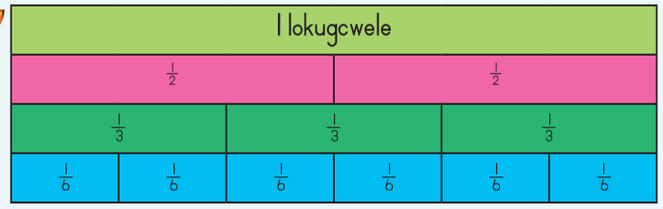




- Khombiza ihhafu yinye yerula. Loku kwakha ____ cm.
- Khombisa kunye kwalokutsatfu kulerula. Loku kulingana na ____cm
- Khombisa kunye kwalokusitfupha kulerula. Loku kulingana na ____cm



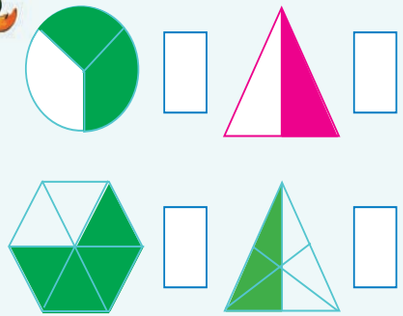
Buka lamabhande-frakishini. Cedzela lemisho.



- Kunemahhafu la ____ kulokugcwele.
- Kunaloku ____ kwalokutsatfu kulokugcwele.
- Kunaloku ____ kwalokusitfupha kulokugcwele.
- Kunaloku ____ kwalokusitfupha ehhafini.
- Kunaloku ____ kwalokusitfupha kulokutsatfu.



Bhala ifrakishini yencenye lefakwe umbala.



Kipilitela ifrakishini lenkhulu.

a.	$\frac{1}{2}$	$\frac{1}{3}$
b.	$\frac{1}{2}$	$\frac{1}{6}$
c.	$\frac{1}{2}$	$\frac{2}{6}$

Teacher:
Sign:
Date:

Lusuku:

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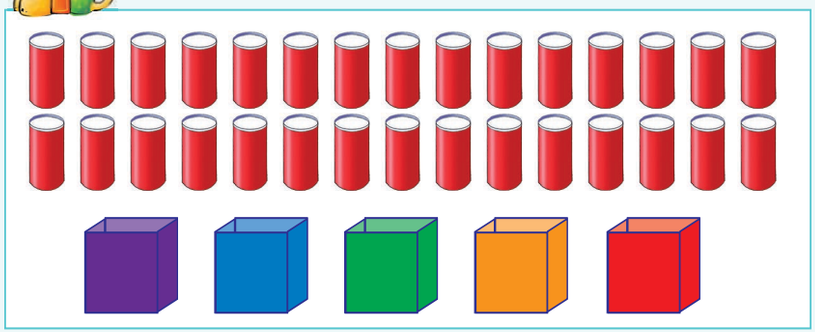
59

Lusuku:

Emafrakishini: boncenyehlanu



Yaba tikotela emabhokisini.



- Ku- $\frac{1}{5}$ emabhokisi kunetikotela letingu 6
- Ku- $\frac{2}{5}$ emabhokisi kunetikotela letingu
- Ku- $\frac{3}{5}$ emabhokisi kunetikotela letingu
- Ku- $\frac{4}{5}$ emabhokisi kunetikotela letingu
- Ku- $\frac{5}{5}$ emabhokisi kunetikotela letingu



Buka titfombe bese uphendvula imibuto.

Mangakhi emashokoledi ebhokisini?

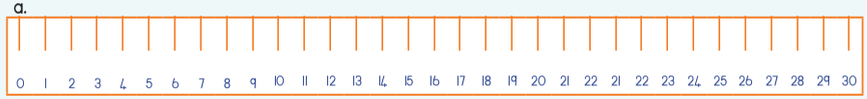


- incenye-sihlanu wemashokoledi ulingana na
- tincenye-sihlanu timbili wemashokoledi ulingana na
- tincenye-sihlanu tintsatfu wemashokoledi ulingana na
- tincenye-sihlanu tine wemashokoledi ulingana na
- tincenye-sihlanu letisihlanu wemashokoledi ulingana na
- Ngalelinye lilanga ngadla $\frac{1}{5}$ wemashokoledi. Kusele mangaki emashokoledi?
- Ngalelinye lilanga ngaphindze ngadla i-$\frac{1}{5}$. Kusele mangaki emashokoledi?



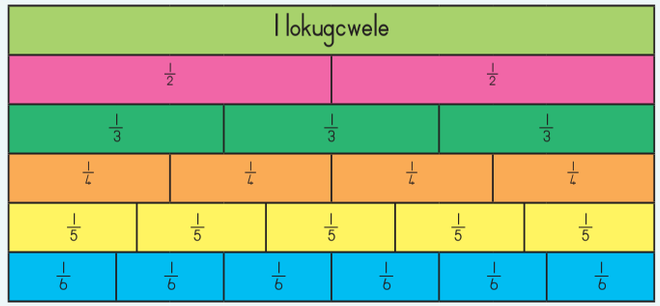
Faka umbala ku-$\frac{1}{5}$ welithuluzi lekukala.

a.





Buka lamabhande frakishini bese uphendvula imibuto.



Kipilitela lokukhulu noma lokuncane

a. $\frac{1}{2}$ (mukhulu) / muncane kuna $\frac{1}{4}$.

b. $\frac{1}{3}$ mukhulu / muncane kuna $\frac{1}{2}$.

c. $\frac{1}{5}$ mukhulu / muncane kuna $\frac{1}{6}$.

d. $\frac{1}{6}$ mukhulu / muncane kuna $\frac{1}{3}$.

e. $\frac{3}{6}$ mukhulu / muncane kuna $\frac{2}{5}$.

Teacher:
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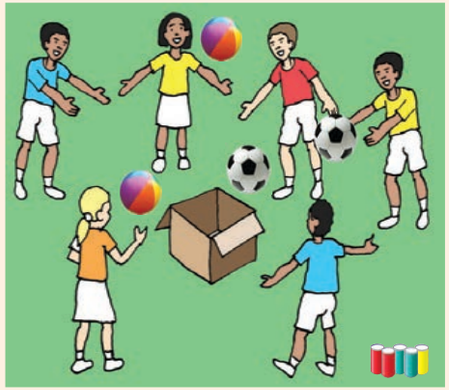
Lusuku:

Tintfo letibusontsatfu (i3D)

Bala emabhokisi (emaprizimu). ☐

Bala emabhola (tiyingiliti). ☐

Bala emasilinda. ☐



Loku konkhe ngemabhokisi.

Sebentisa Lokusikiwe lishadi 3 na 4 kwakha loku.



Yonkhe indzawo lesicabati kutsiwa buso. Namatselisa mandzamandza munye ebusweni ngabunye kulamabhokisi. Bungakhi buso lonamatselise kubo:



ikhyubhu ☐ iphrizimu ☐ iphrizimu ☐

Buso bemaprizimu bulucabati noma buyindilinga? ☐

Nyalo - ke yakha umbhoshongo lokuLokusikiwe lishadi 4..

Buso besilinda bulucabati noma buyindilinga? ☐

Sebentisa tintfo takho kwakha loku lokulandzelako.

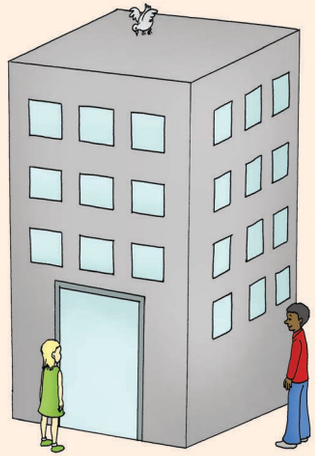
Sebentisa emagama kuchaza simondzawo sesilinda.

ngaseluhlangotsini | ngembili | ngetulu



☐ ☐ ☐

Sebentisa emagama langentasi kucedzela lemisho



Intfombatana ibuke _____kwesakhiwo.

Indvodza ibuke _____kwesakhiwo.

Inyoni ibuke _____kwesakhiwo

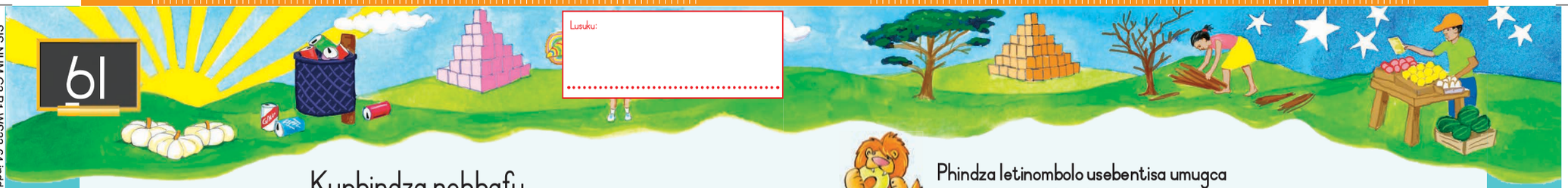
eceleni | ngetulu | ngembili

Teacher:
Sign:
Date:

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

Lusuku:

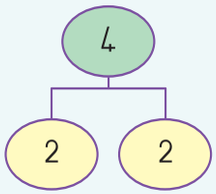
SIS NUM G3 B1 WS33-64.indd 129 2014/05/08 9:14 AM

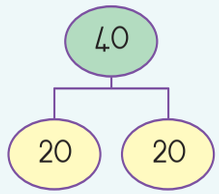


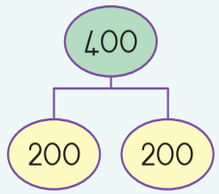
Kuphindza nehhafu

Usakhumbula?	ku-2 uyihhafu ya-4	ku-4 kuphindvwe ku-2
	ema-20 uyihhafu ye-40	ema-40 kuphindvwe ema-20
	ema-200 uyihhafu ye-400	ema-400 kuphindvwe ema-200

Khumbula! Singakukhombisa loku ngekudvweba umdvwebo ...



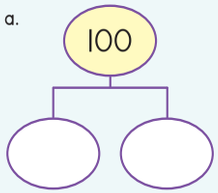




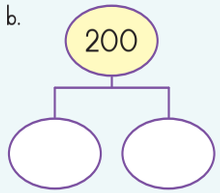


Kutfola bohhafu

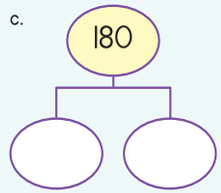
a.



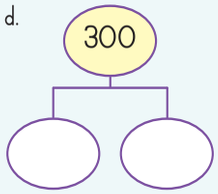
b.



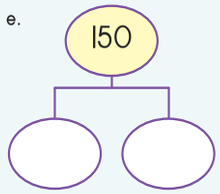
c.



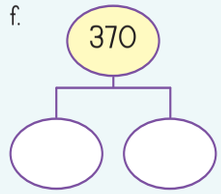
d.



e.



f.

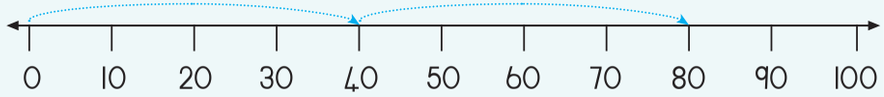




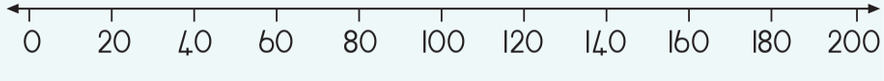
Phindza letinombolo usebentisa umugca nombolo. Sibonelo sekucala wentelwe.

Sibonelo:

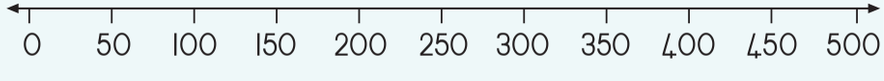
Phindza ema-40 40 + 40 = 80



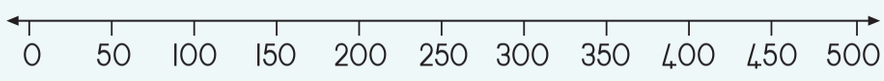
Phindza ema-60 ☐ + ☐ = ☐



Phindza ema-150 ☐ + ☐ = ☐



Phindza ema-200 ☐ + ☐ = ☐





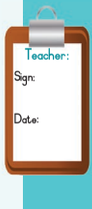
Cedzela loku lokulandzelako

a. Phindza 100	200
b. Phindza 150	
c. Phindza 120	
d. Phindza 200	
e. Phindza 170	



Cedzela loku lokulandzelako

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

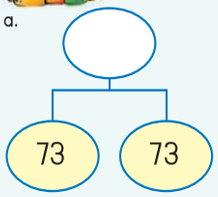


Lusuku:

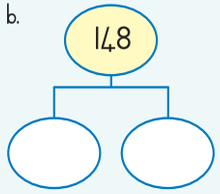
Kuphindza kabili nehhafu kuyachubeka

Tfola lokuphindvwe kabili nobe emahhafu

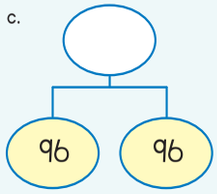
a.



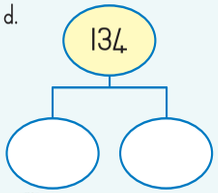
b.



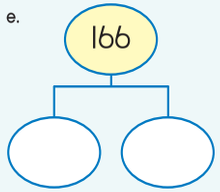
c.



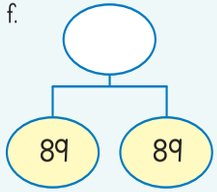
d.



e.



f.



Kongela libhayisikili.

Peter wonga ema-R25 ngeliviki kutsenga libhayisikili.
Kumele onge emaviki lamangakhi?

Imphendvulo: _____ Emaviki

Indali R450
Intsengo lehhafu liwe: beyingu R900

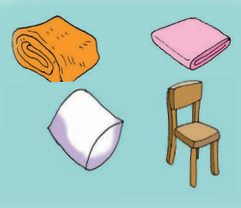


Endalini

Tonkhe letintfo titsengiswa ngehhafu yentsengo.
Bhala lentsengo eceleni kwentfo ngayinye.

a. Tingubo R190
Intsengo yekutsengisa____

b. Emashidi R154
Intsengo yekutsengisa____



c. Imicamelo R54
Intsengo yekutsengisa____

d. Titulo R220
Intsengo yekutsengisa____

Mangakhi emarandi?


R135

Musa ufuna lelihembe. Unehhafu kuphela yelinani.
Usadzinga malini? R_____


R78,50

Ticatfulo taPeter tibita lokuphindvwe kabili kwendlulela.
Ngabe ticatfulo taPeter tibita malini? R_____

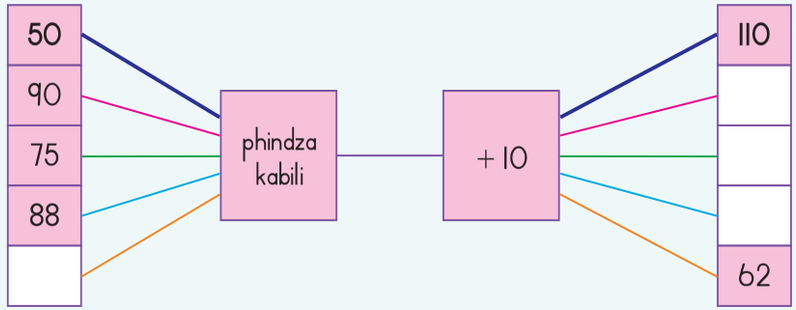

R97

Liloko laPhindi liphindza kabili intsengo yaleli.
Ngabe lilokwe laPhindi libita malini? R_____

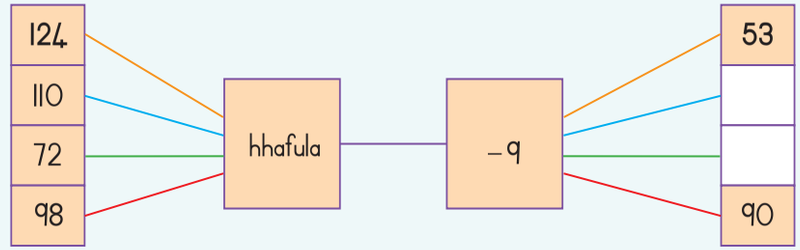
Yini lengenako? Yini lephumako?

Landzela lesibonelo. Gcwalisa tinombolo letingekho.

a.



b.



Teacher:
Sign:
Date:

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Lusuku:

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Lusuku:



Butsisa bese uyahlanganisa

Beka ndzawonye labantfwana

Nkhs Ndaba ufuna kwehlukanisa likilasi ngemacembu ebukhulu lobulinganako kutewudlala ngaphandle. Kwekucala ubabeka ngemacembu alaba-4.



a. Bangakhi labantfwana?

b. Nkhs Ndaba wakhe mangakhi emacembu?

Buka. Catsanisa. Lungisa.

c. Tjengisa tonkhe letinye tindlela tekubabutsanisa ngemacembu lalinganako.



Tingakhi timphahla tekugcoka?



Phindi unemahembe lasi-5 emibala kanye nemabhulukwana lasi-5 emibala.
Tingakhi timphahla tekugcoka letehlukene langatenta ngekusebentisa tinhlanganisela letehlukene temibala?

Sibonelo: Lihembe lelilingangane/emabhulukwana lalingangane. Lihembe lelilngangane/emabhulukwana laliphuti.

Bhala luhlavu lwekucala lwembala ngamunye. Khombisa tonkhe timphahla letingaba khona.

Cagela: Yini letawenteka uma ngabe Phindi anemahembe kanye nemabhulukwana lasi-6 emibala leyehlukene?
Angenta timphahla tekugcoka letingakhi?

Buka. Catsanisa. Lungisa.

Teacher:
Sign:
Date:

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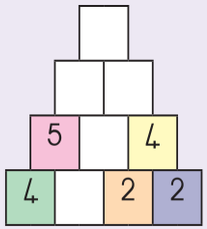
Kutijabulisa ngetibalo

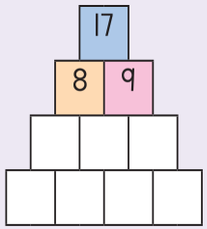


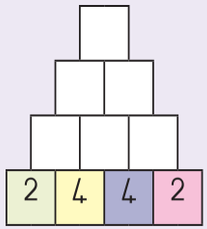
Tfola umtsetfo

Sebentisa lomtsetfo kutfola tinombolo letingekho.

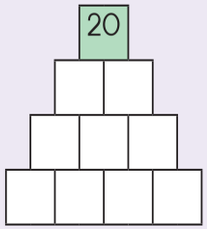
Nyalo-ke yenta loku.

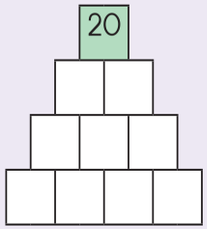


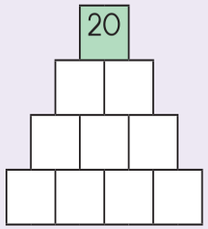




Yakha ufike kuma-20 ngetindlela letintsatfu.









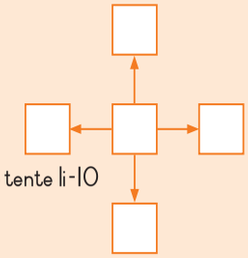
Insayeya



Sebentisa letinombolo 1, 2, 3, 4 na 5.

Letinombolo letintsatfu eluhlwini lunye kumele tente li-10 setitonkhe.

Umtsetfo: Sebentisa inombolo yinye kanye.





Kutfola tinombolo

a. Umtsetfo: Tinombolo eluhleni ngalunye kumele tihlangane takhe li-16.

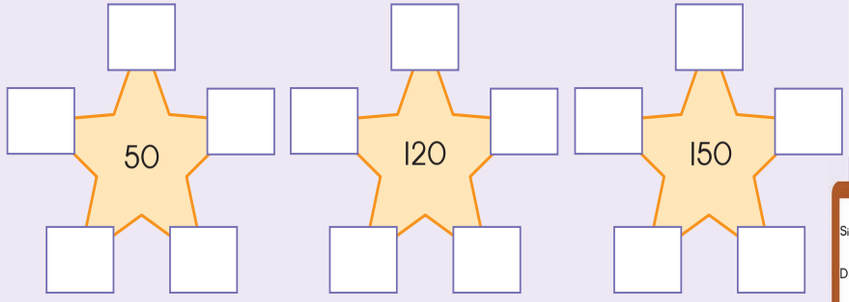
2	5	3	6
			2
		2	

b. Umtsetfo: Tinombolo leti-3, kuvundla nekuya phasi, tihlangana tente ithothali lefanako.

2	7	6
9		1
	3	8

23	28	21
12		26
	10	

c. Umtsetfo: Bhala noma ngutiphi tinombolo leti-5 letihlangana takhe inombolo lengekhatsi kwenkhanyeti.

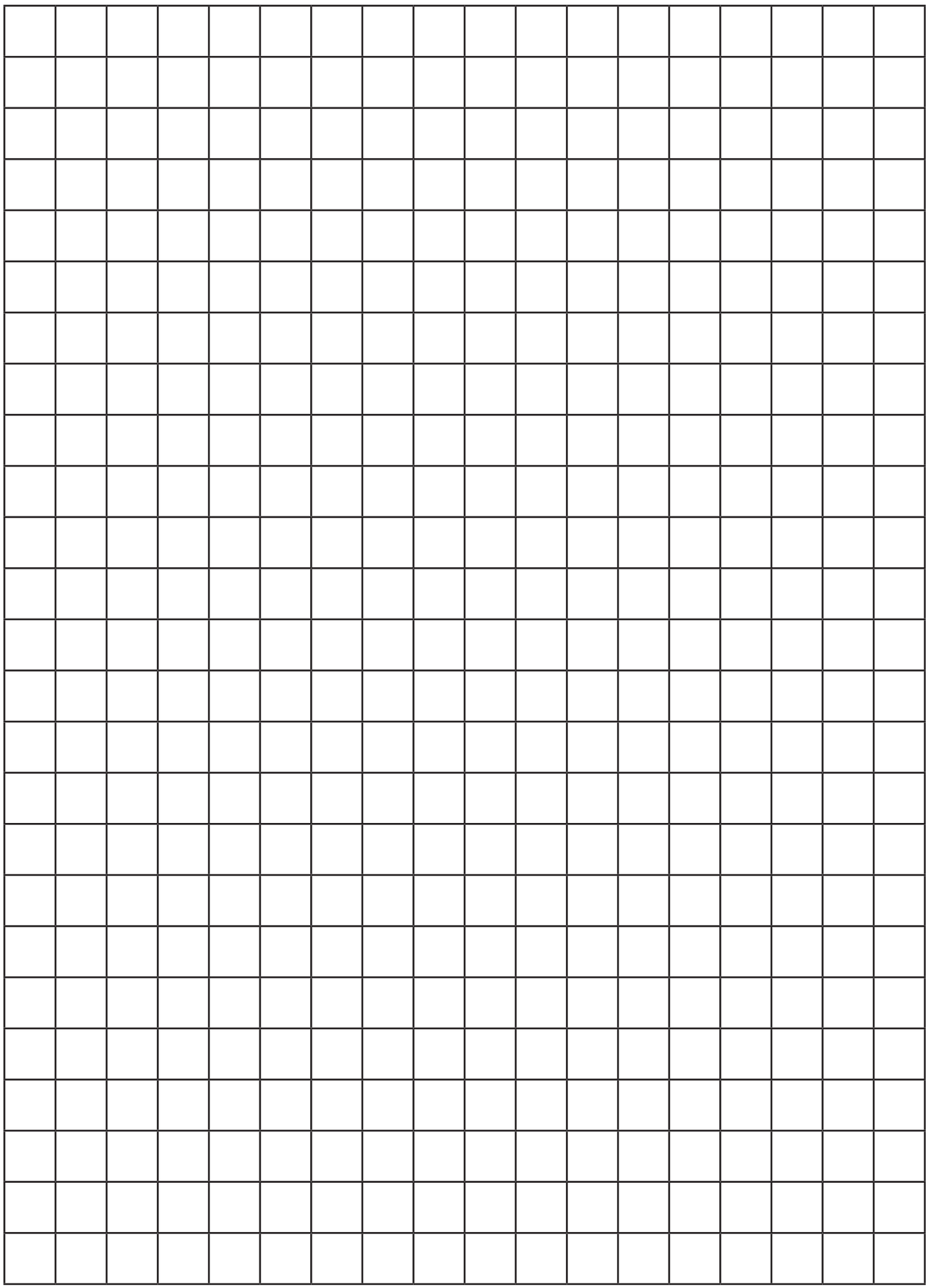


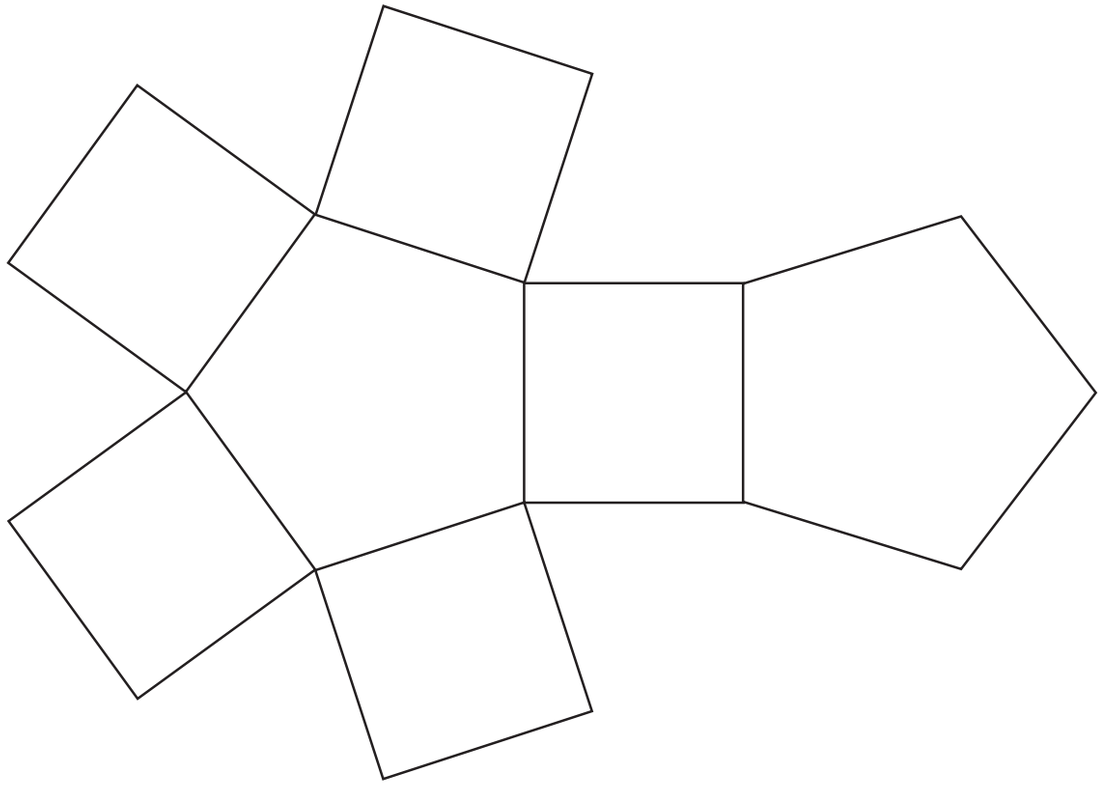


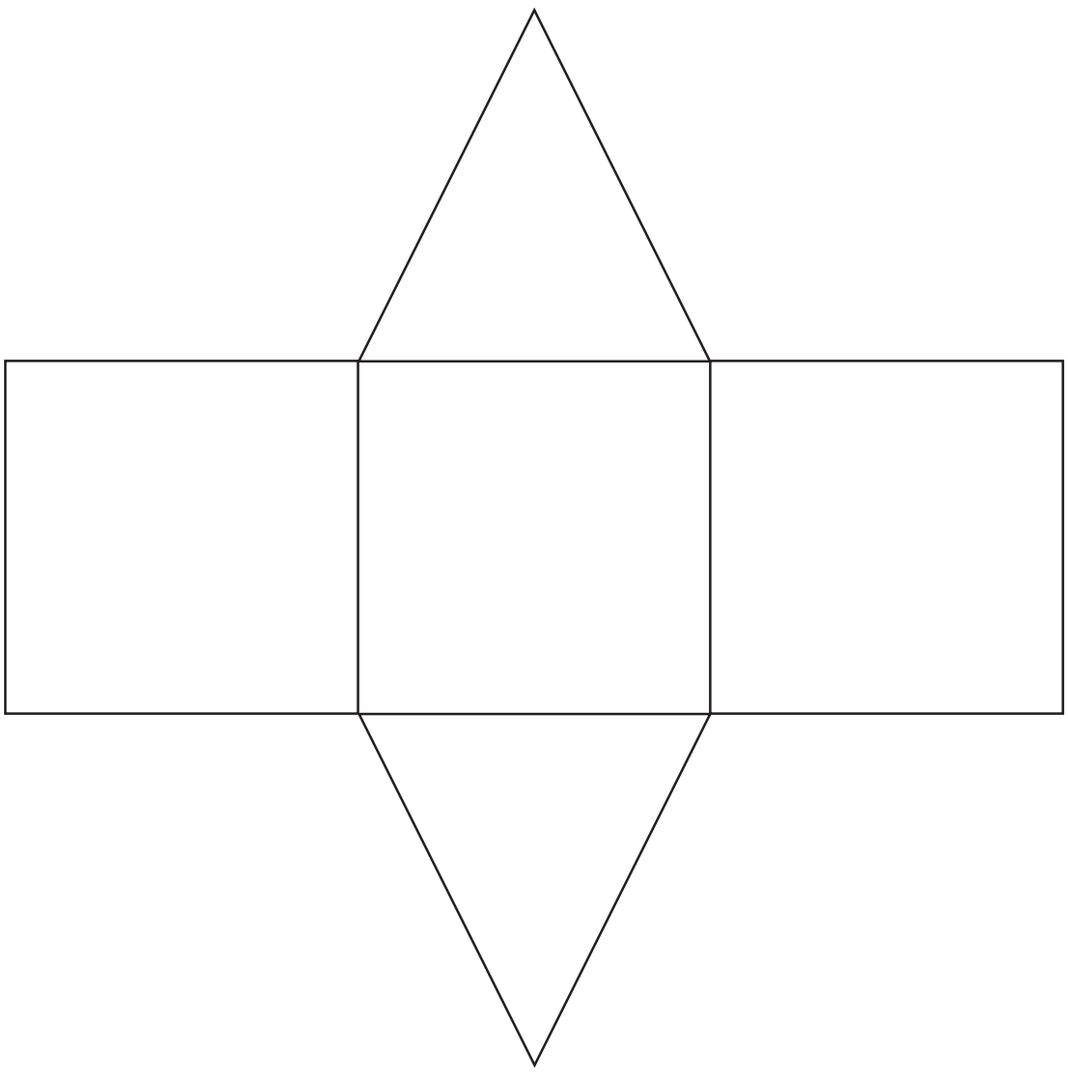
1	1	0	1	0	0
2	2	0	2	0	0
3	3	0	3	0	0
4	4	0	4	0	0
5	5	0	5	0	0
6	6	0	6	0	0
7	7	0	7	0	0
8	8	0	8	0	0
9	9	0	9	0	0

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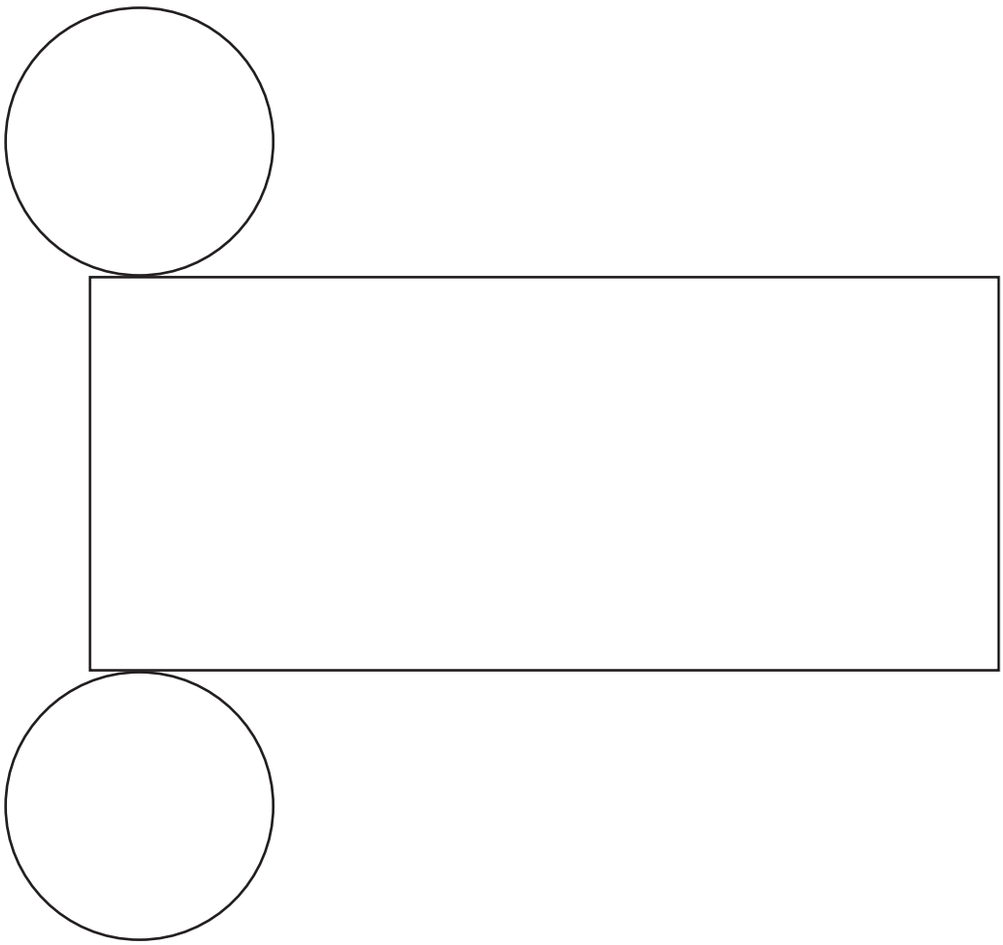
1	0	0	1	0	1
2	0	0	2	0	2
3	0	0	3	0	3
4	0	0	4	0	4
5	0	0	5	0	5
6	0	0	6	0	6
7	0	0	7	0	7
8	0	0	8	0	8
9	0	0	9	0	9

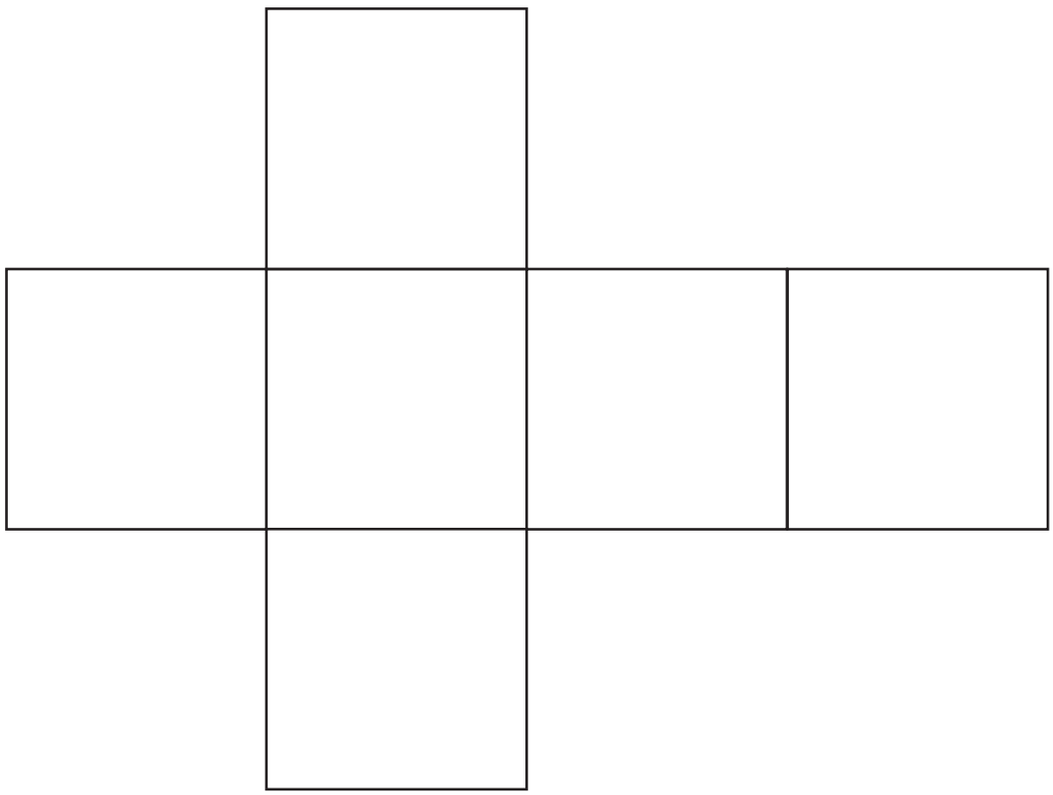






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