Ukufunda ngoMgaqo-siseko weRiphablikhi yoMzantsi Afrika (1996)

Umgaqo-siseko weli loMzantsi Afrika (1996) uqulethe eyona mithetho yongameleyo yeli lizwe. Le mithetho ingaphezulu komongameli welizwe, ngaphezulu kweenkundla zamatyala nangaphezulu kukarhulumente.

Le mithetho ichaza indlela abemi beli lizwe abafanele ukuphathana ngayo, nokuba ayintoni amalungelo noxanduva lwabo omnye komnye. Umgaqo-siseko welizwe ukho ukuze usikhusele ngalo mzuzu kwaye ukhusele nabantwana bethu kwixesha elizayo.

Masiyazi imvelaphi yethu.	**Masingaphindi iimpazamo zexesha elidlulileyo.**	**Umgaqo-siseko wethu uyasinceda ukuze sakhe ingomso eling cono lomntu wonke.**

Thina, bantu boMzantsi Afrika,

Siyaziqonda iimeko zolwaphulo-bulungisa zamaxesha ethu adlulileyo;

Sibanika imbeko abo beva ubunzima bebulalekela ubulungisa nenkululeko elizweni lethu;

Siyabahlonela abo bathi basebenzela ukwakha nokuphuhlisa ilizwe lethu; kwaye

Sikholelwa ekubeni uMzantsi Afrika ngowethu sisonke thina sihlala kuwo, simanyene nangani siziintlobo ngeentlobo.

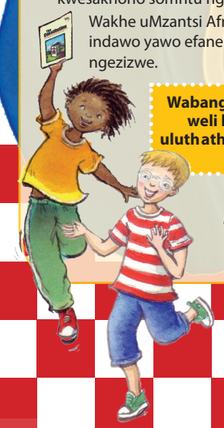
Thina ke ngoko, ngabameli bethu abanyulwe ngokukhululekileyo, siyawuvuma lo mGaqo-siseko ukuba ungowona mthetho wongameleyo weRiphablikhi ukuze—

Ungcibe udibanise izantlukwano zangaphambili uze wakhe uluntu olusekwe kwizithethe ezixabisekileyo zedemokhrasi, ubulungisa kwezentlalo namalungelo abantu asisiseko;

Wenze isiseko soluntu oluphila ngendlela yedemokhrasi nolwenza izinto elubala apho urhulumente asekelwe kwintando yabantu nalapho wonke ummi ekhuselwe ngokulinganayo ngumthetho;

Uphucule ixabiso lokuphila kwabo bonke abemi, uze uvumele ukusebenza kwesakhono somntu ngamnye; kanjalo

Wakhe uMzantsi Afrika omanyeneyo nonedemokhrasi onakho ukuthabatha indawo yawo efanelekileyo njengelizwe elinobunganga kusapho lwezizwe ngezizwe.



Wabange amalungelo a kho njengommi weli loMza ntsi Afrika kwaye nawe uluth athele kuwe uxandu va lokukhusela amalungelo aba nye.	**Wazi amalungelo akho noxandu va lwakho.**

Wanga uThixo angabakhusela abantu bakokwethu.
Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.

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GRADE 3 – BOOK 1
TERMS 1 & 2
ISBN 978-1-4315-0006-2

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IZIBALO NGESIXHOSA

Incwadi yoku-1

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	Umsiko 2	



UNksk. Angie Motshekga, uMphathiswa wemfundo esisiSeko



UGqir. Reginah Mhaule, uSekela Mphathiswa wemfundo esisiSeko

Ezi ncwadi zilungiselelwe abantwana baseMzantsi Afrika phantsi kwephiko loMphathiswa weMfundo esisiSeko uNksk. Angie Motshekga kunye noSekela Mphathiswa weMfundo esisiSeko uGqir. Reginah Mhaule.

Ezi ncwadi zokusebenzela, iRainbow Workbooks, lelinye lamalinge ongenelelo eSebe leMfundo esisiSeko ajo ide ekuphuculeni umgangatho wabafundi beloMzantsi Afrika abakumabanga amathandathu okuqala. Njengomnye wemiba ephambili yoMkhomba-ndlela kaRhulumente, eli phulo libe nempumelelo ngenxa yenkxaso-mali evela kuVimba weSizwe. Oku kuye kwenza ukuba iSebe likwazi ukuvelisa ezi ncwadi, zifumaneke ngazo zonke iilwimi ezisemthethweni ngexabiso eliphantsi.

Sinethemba lokuba ootitshala baya kuzifumana ezi ncwadi zokusebenzela ziluncedo kakhulu kwimfundo yemihla ngemihla, nasekuqinisekiseni ukuba abafundi bayifikelela yonke ikharityhulam. Ukuqinisekisa ukuba utitshala uyakhokelwa kuyo yonke imisetyenzana, sisebenzise izalathisi ezibonisa oko kufanele ukwenziwa ngumfundi.

Sinethemba lokwenene lokuba abantwana baya kukonwabela ukusebenza kwezi ncwadi ekukhuleni nasekufundeni kwabo, kwanokuba nawe titshala uya kwabelana nabo kolu yolo.

Sinqwenela ukuba nibe nempumelelo ekusebenziseni ezi ncwadi.



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Ibanga lesi-3

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Imathematika

NGESIXHOSA

Le ncwadi yeka-:

_____

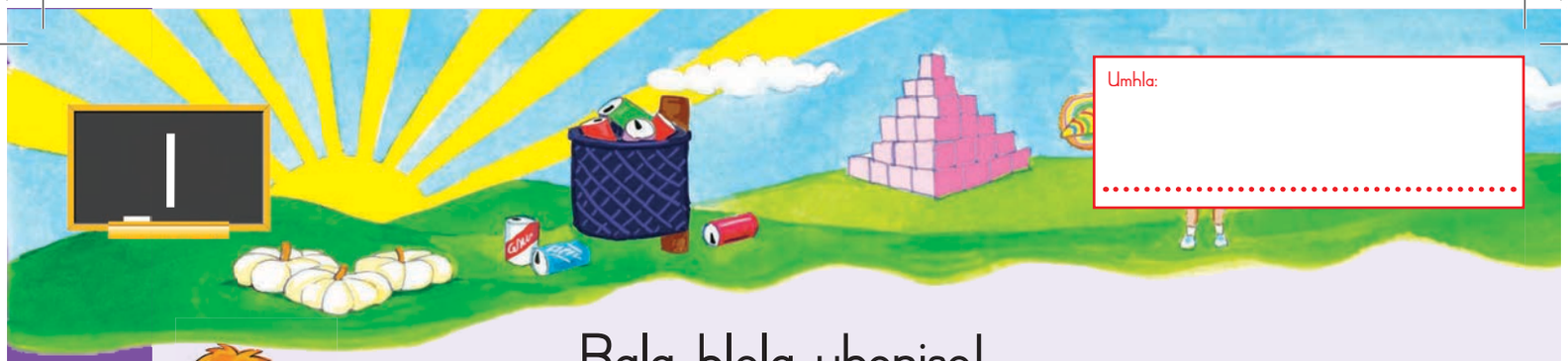


ISIXHOSA

Incwadi yoku-

1

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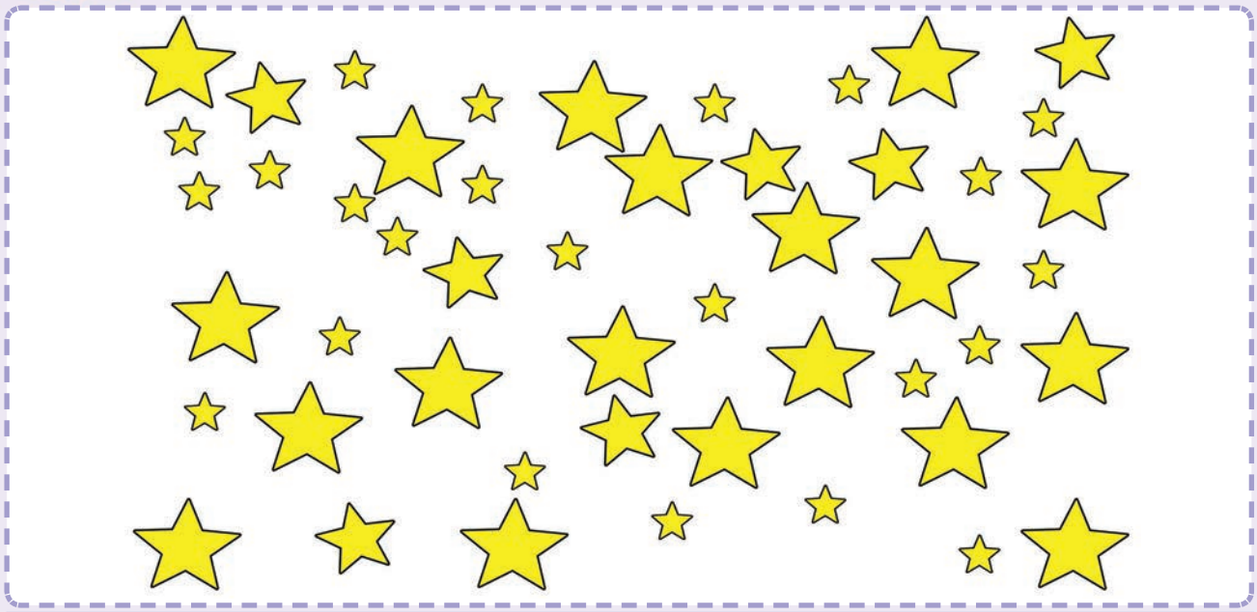
.....

Bala, hlela, ubonise!



Zingaphi iinkwenkwezi?

Thelekisa iimpendulo.



Qikelela ukuba zingaphi iinkwenkwezi. _____

Zibale ke ngoku. _____



Fumana ukuba ngubani ophumeleleyo!

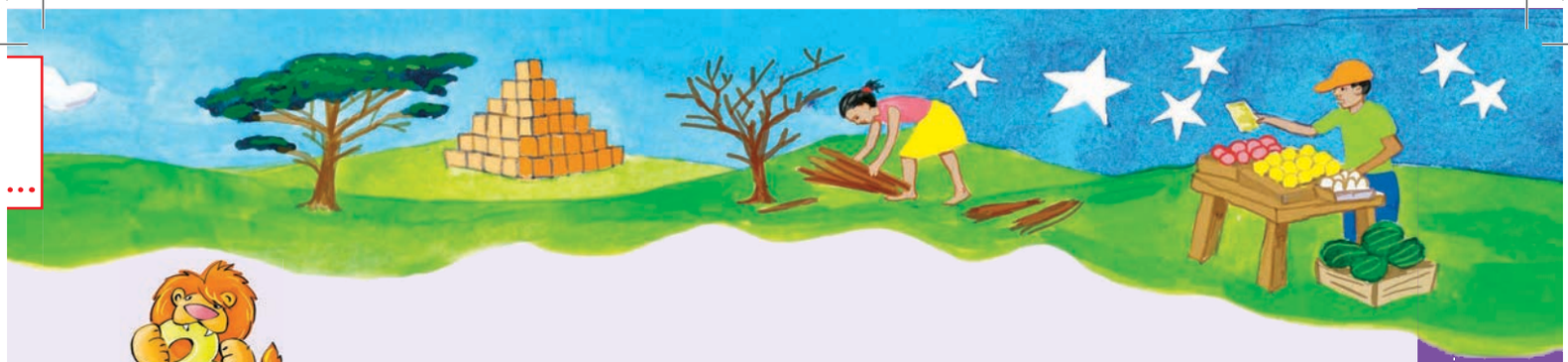
Ngubani oqikelele ngokusondeleyo?

Fakani amagama neempendulo zenu phakathi kule theyibhile.

Igama				
Uqikelelo				
Inani elibaliweyo				
Umahluko phakathi koqikelelo lwakho kunye nenani elibaliweyo				

1 2 3 4 5 6 7 8 9 10

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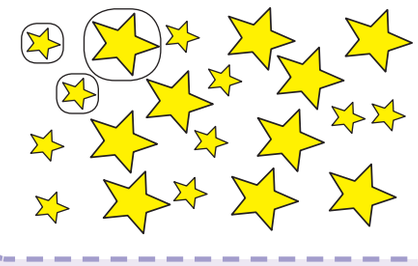




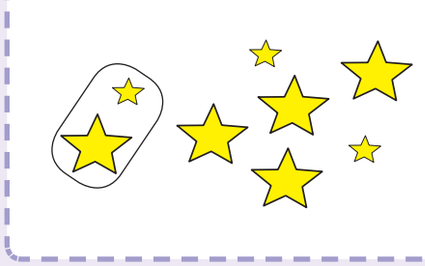
Iindlela zokubala. Sincedise sibhale phantsi.



Ndibale ngoononye



I, 2, 3, _____
_____



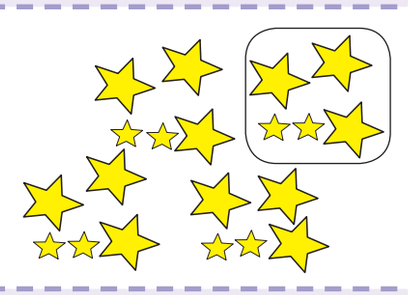
2, _____
_____



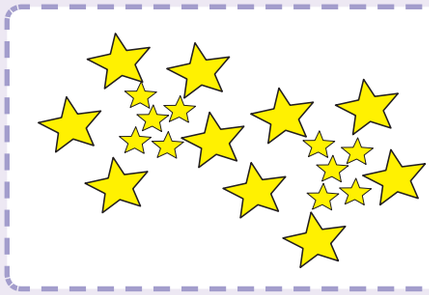
Ndibale ngezibini.



Ndibale ngezihlanu.



5, _____
_____



_____
_____



Ndibale ngamashumi.



Bhala izivakalisi zamanani.

Ayinamsebenzi indlela alandelelana ngayo amanani xa udibanisa nokuba ngawaphi na amanani amabini.

Bala inani leenkwenkwezi ezinkulu nezincinci ezikumfanekiso okwiphepha 2.
Zibhale ngeendlela ezimbini.

Inkulu Incinci Ngolu hlobo *okanye* ngolu hlobo

 +  = _____

 +  = _____

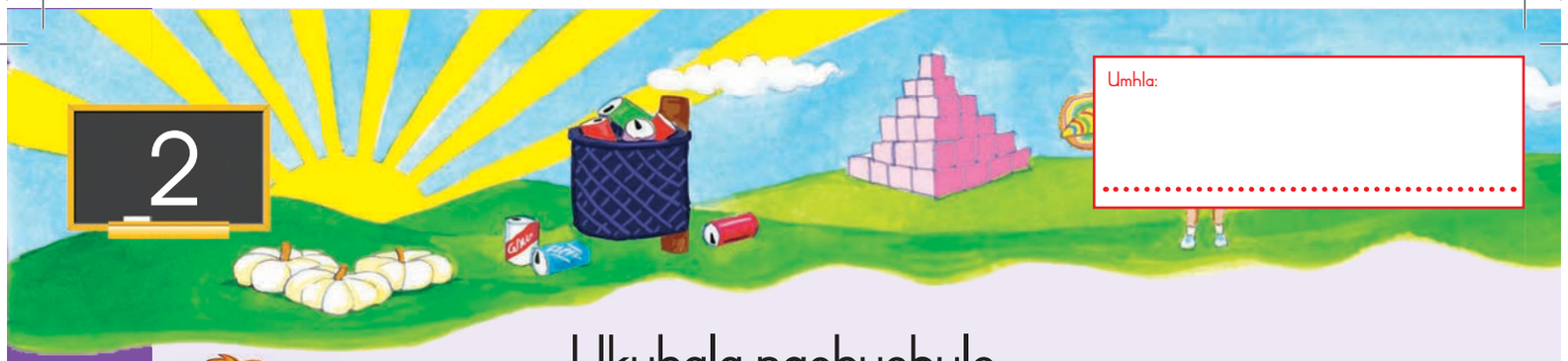
nanjengesivakalisi samanani.

_____ + _____ = _____ *okanye* _____ + _____ = _____



11 12 13 14 15 16 17 18 19 20

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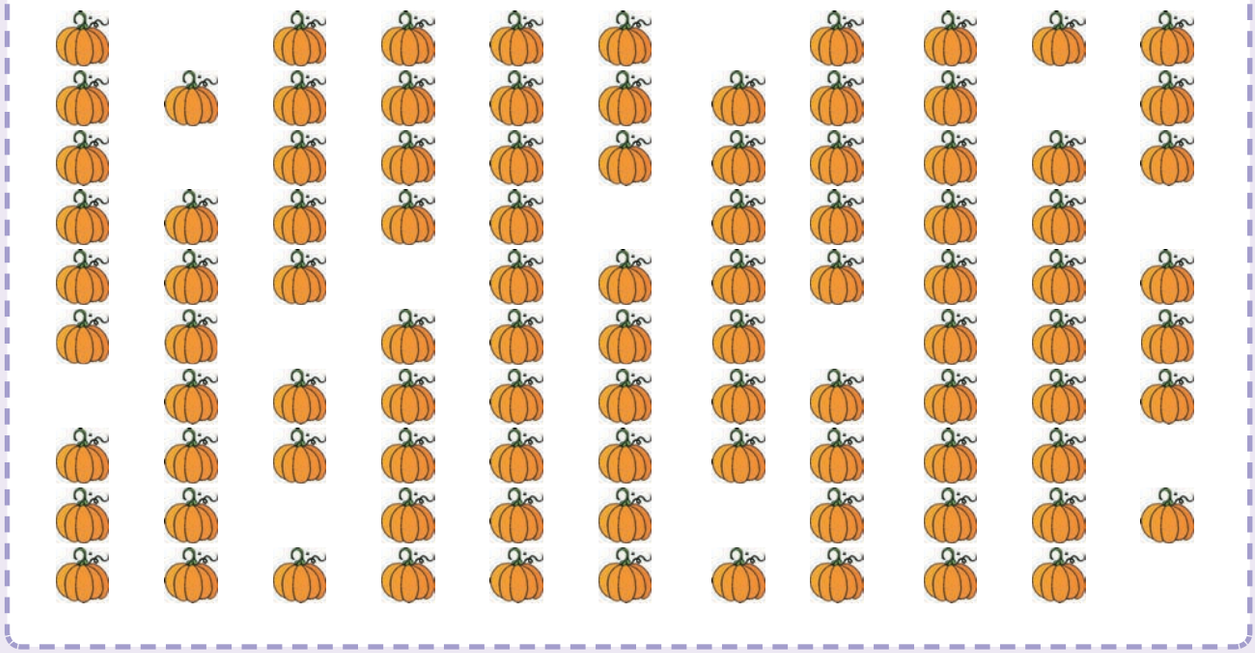
Umhla: .....

Ukubala ngobuchule



Bala amathanga.

Fumana indlela elula yokuwabala.



Impendulo: _____



Pakisha amathanga

Amathanga alishumi angena engxoweni enye.



Zingaphi iingxowa ezinokuzaliswa ngala mathanga?_____

Mangaphi amathanga ashiyekileyo?_____

Mangaphi amathanga asafunekayo ukuze kuzale enye ingxowa? _____

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Ukusuka ku + ukuya ku × (Ukudibanisa nokuphinda-phinda)

Gqibezela izivakalisi-manani.

Umzekelo:
10 + 10 + 10 + 10 = 40 ⟹ amaqela ama-4 ama-10 = 40 ⟹ 4 × 10 = 40



a. 10 + 10 + 10 = _____

amaqela ama-_____ ama-10 = _____ ⟹ _____ × _____ = _____



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

amaqela ama-_____ ama-10 = _____ ⟹ _____ × _____ = _____

Izandla neminwe



Zingaphi izandla? _____ Mingaphi iminwe? _____

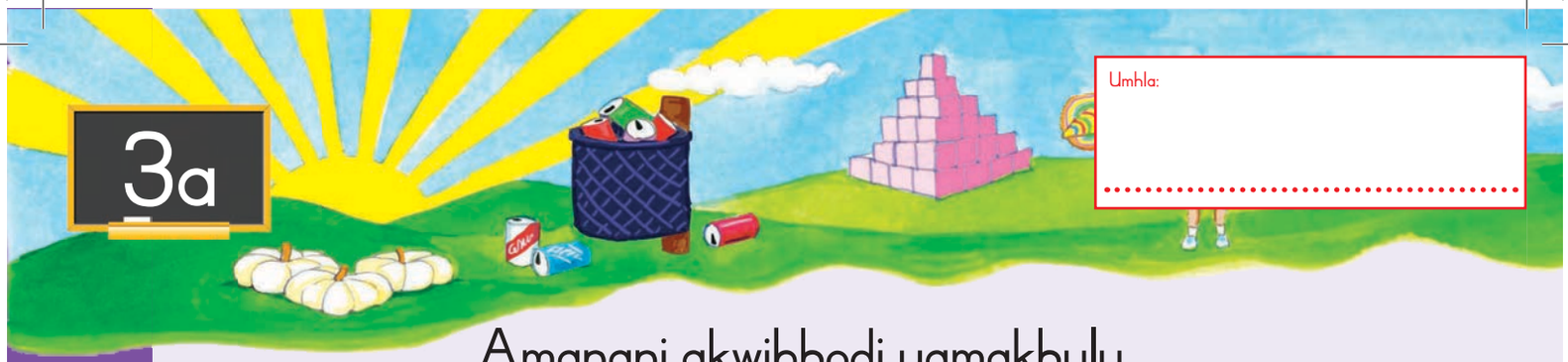
Bhala impendulo yakho ngeendlela ezi-2.

amaqela ama-____ ama-10 = ____ okanye ____ × 10 = ____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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3a

Umhla:

Amanani akwibhodi yamakhulu



Amanani athethayo

Bala uxele amanani onke ukusukela ku-1 ukuya kwi-100.
Yalatha njengokuba usiya phambili.

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



a. Bhala amanani ashiyelelweyo kwibloko nganye ezuba.

b. Bhala amanye amanani.

c. Amanani amthubi aloluphi uhlobo lwamanani?



Bhala la manani ngamagama.

90	amashumi alithoba	41	
77		56	
14		65	

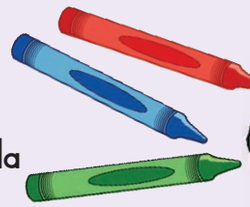
1 2 3 4 5 6 7 8 9 10

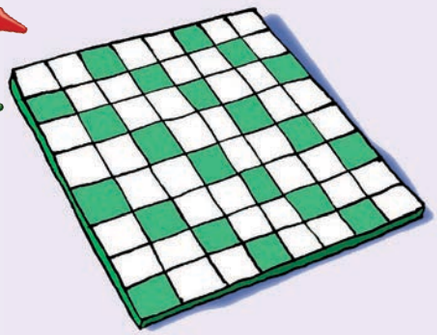
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Ukubala nokufaka imibala





Lungela ukubala imibala!

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

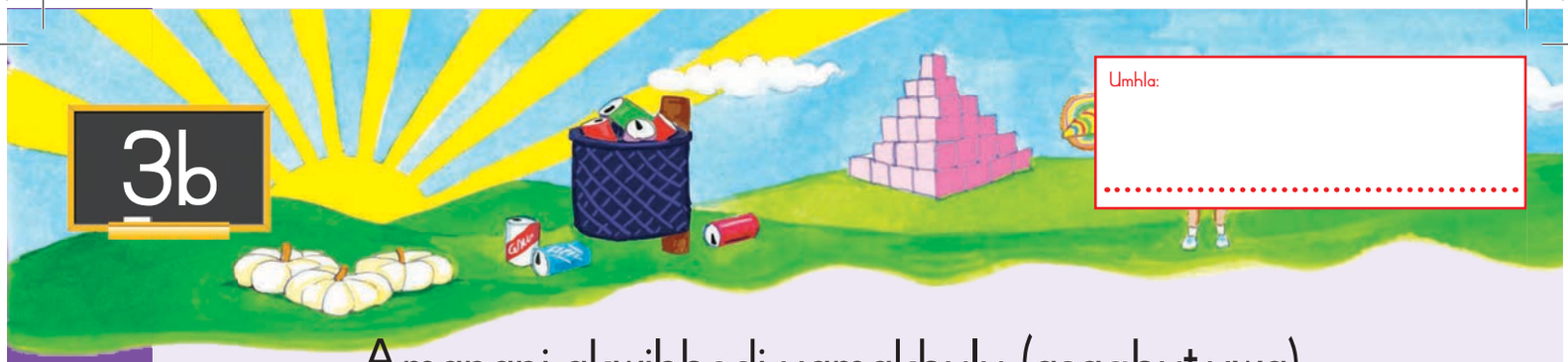
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Bala uze ugqume ama-10.	Ku-0 ukuya kwi-100. Bala uze ugqume izi-5 ukusukela ku-0 ukuya kwi-100.	Bala ugqume izi-2.
Bala ngama-10 ukusuka ku-10 ukuya kwi-100.	Bala ngezi-5 ukusuka ku-5 ukuya kwi-100.	Bala ngezi-2 ukusuka ku-2 ukuya kwi-100.
Bhala ama-10 ukusuka ku-10 ukuya kwi-100.	Bhala izi-5 ukusuka kwisi-5 ukuya kuma-80.	Bhala izi-2 ukusuka kwisi-2 ukuya kwi-100.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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3b

Umhla:

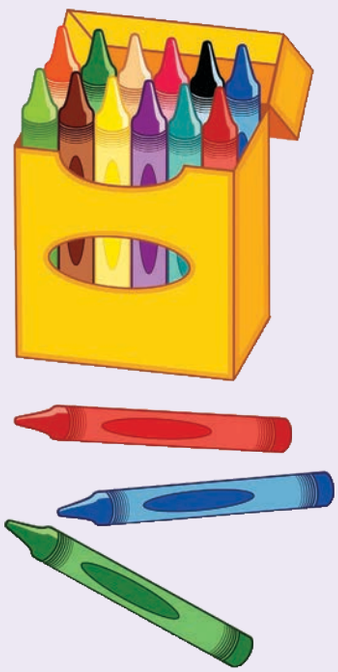
Ikota yoku-1

Amanani akwibhodi yamakhulu (asaqhutywa)



Funa iipatheni

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



Phawula onke ama-10.	Phawula zonke izi-5.	Phawula zonke izi-2.

Bhala amanani abhalwe ngeepatheni zezi-2 nezi-5.

_____

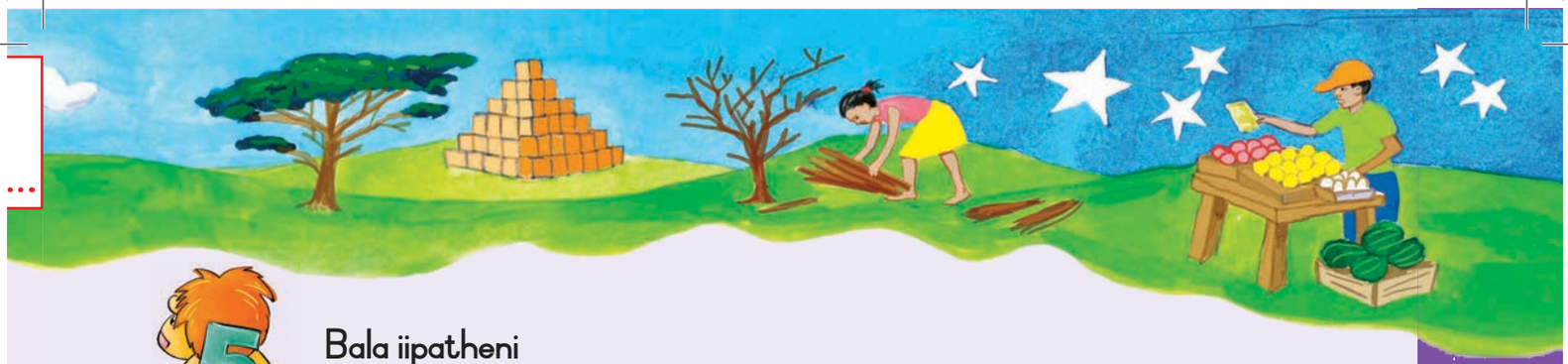
_____

_____

_____

1 2 3 4 5 6 7 8 9 10

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Bala iipatheni

Fakela amanani ashiyelelweyo.

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

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

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

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

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

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

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

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

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

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

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

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

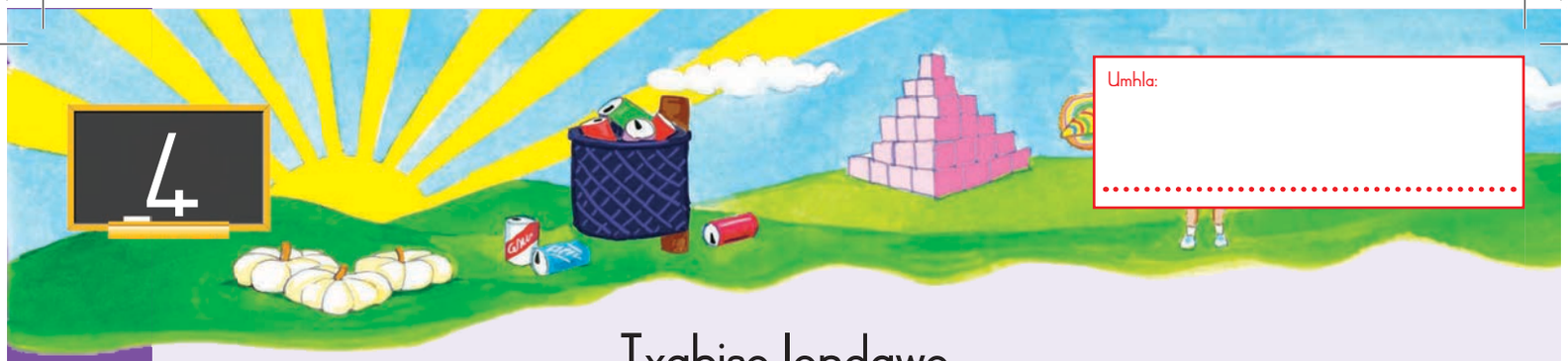
Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

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Ixabiso lendawo

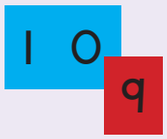


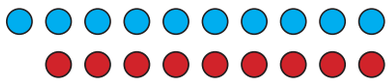
Bonisa amanani akho

Sika amakhadi amanani kumsiko woku-1.
Sebenzisa amakhadi wakhe amanani.

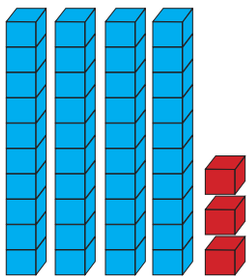
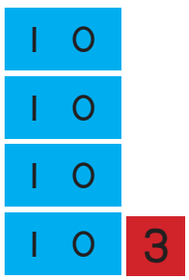
19 43 69 54 35





19  

10 + 9 = 19

43  

40 + 3 = 43

Zenzele ngokwakho kula manani usebenzise umsiko woku-1.

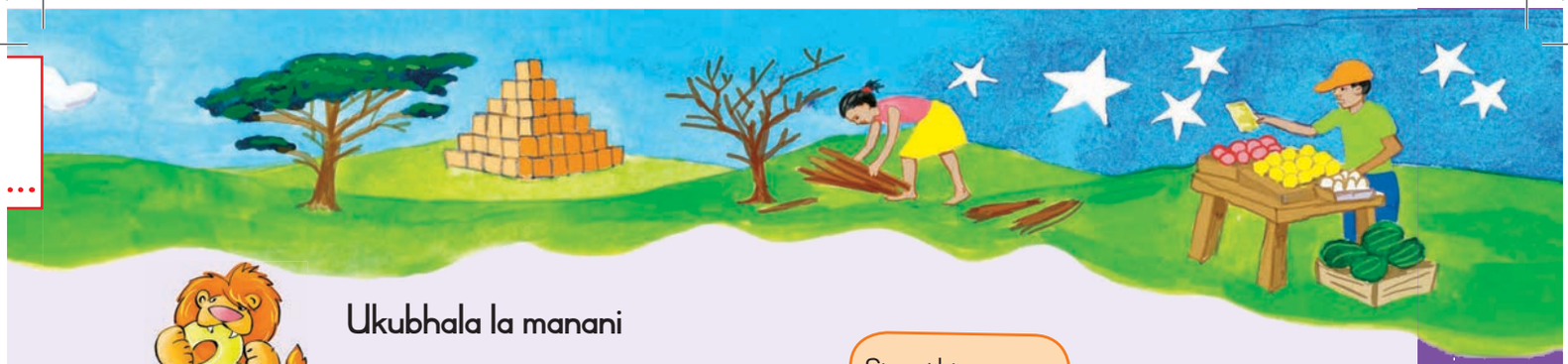
54

35

69



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Ukubhala la manani

Sikwenzele eyokuqala.

Singathi oononye abali-9

19	10 + 9	ishumi eli-1 + imivo eli-9	ishumi elinethoba
43			
69			
54			
35			
21			
73			
44			
32			
89			
17			
95			
56			
68			
67			



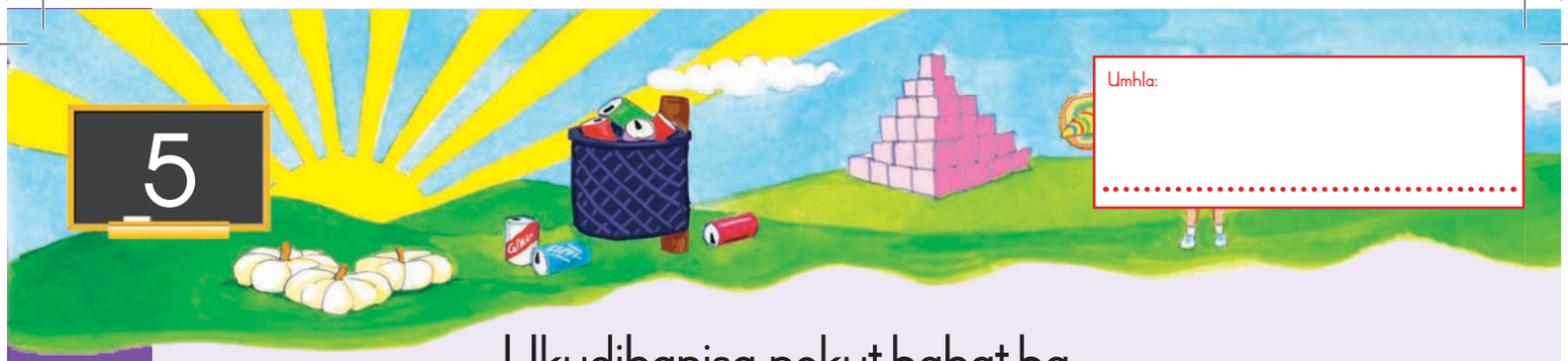
Bhala amanani okuqala amahlanu kwitheyibhile engentla ngokulandelelana, uqale kwelona lincinci uye kwelona likhulu.

_____; _____; _____; _____; _____



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5

Umhla: .....

Ikota yoku-1

Ukudibanisa nokuthabatha



ULebo mde

ULebo uneepakethe zama-apile ezili-19 ekuseni.
Ushiyekelwa ziipakethe ezili-13 ngexesha lesidlo sasemini.



a. Uthengise iipakethe ezingaphi uLebo? _____

b. Bhala impendulo yakho ibe sisivakalisi samanani.

_____ – _____ = _____

Bhala ezinye izivakalisi zamanani ezihlanu ubonise kwale mpendulo inye.
15 – 9 = 6 _____ _____ _____ _____ _____



Ukuziqhelisa amanani

Bhala iimpendulo.

1+2=3

Sebenzisa . . .
+ – =

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 = ☐



Amanani azalanayo

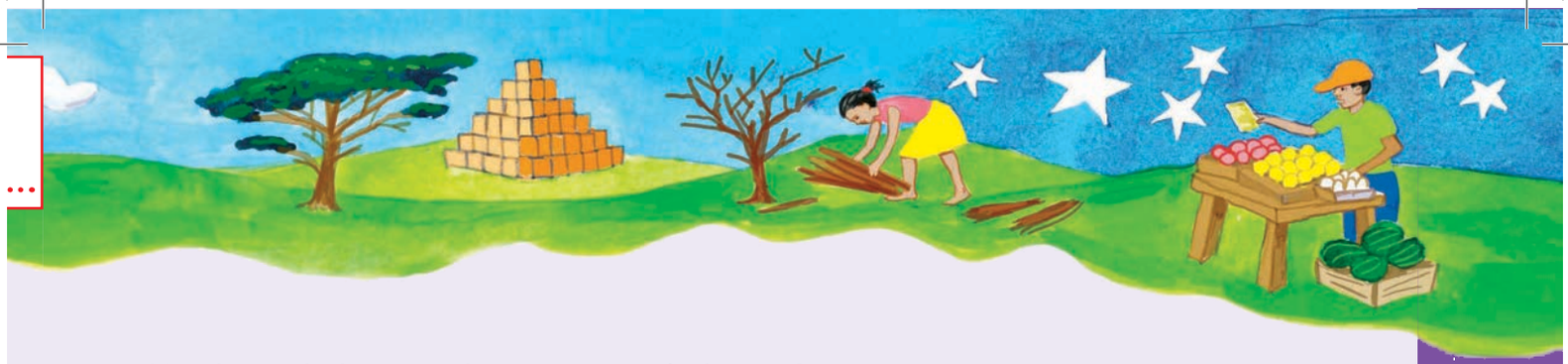
5 | 9 | 14

Nantsi imizekelo yolu sapho lwamanani.

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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Ungakwazi ukufumana onke amanani osapho lwe-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 =			



Ndiza kwenza ngokufanayo nge-12.

12

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

Teacher:
Sign:
Date:

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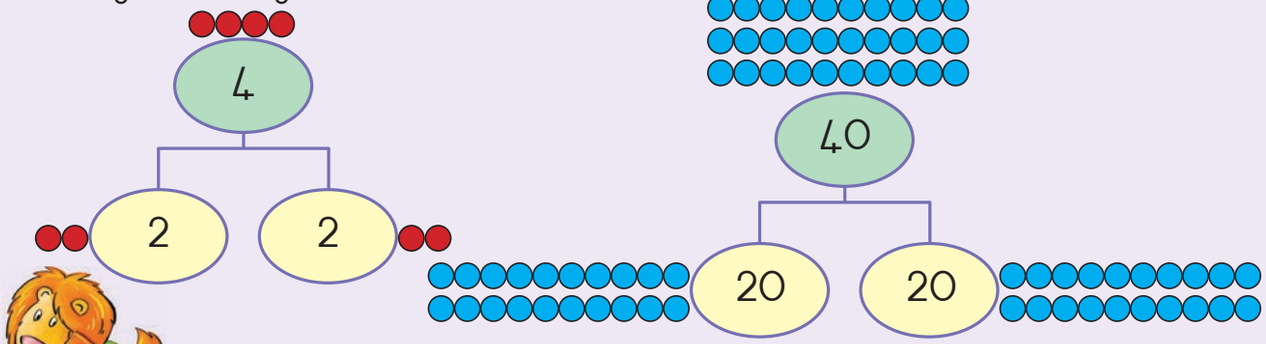
Amanani aphindaphindwe kabini neziqingatha

Usakhumbula?

u-2 sisiqingatha sika-4
u-4 ngu-2 ophindwe kabini

ama-20 sisiqingatha sama-40
ama-40 ngama -20 ophindwe kabini

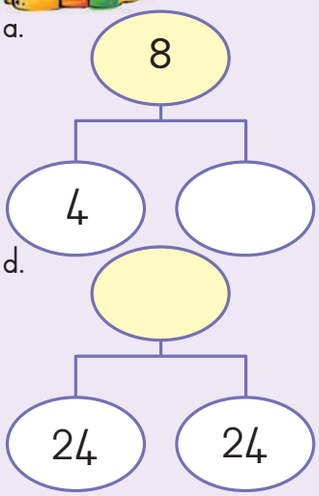
Oku singakubonisa ngomzobo ...



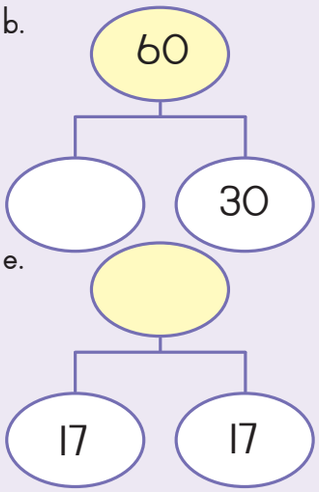


Funa amanani aphinda-phindwe kabini okanye iziqingatha

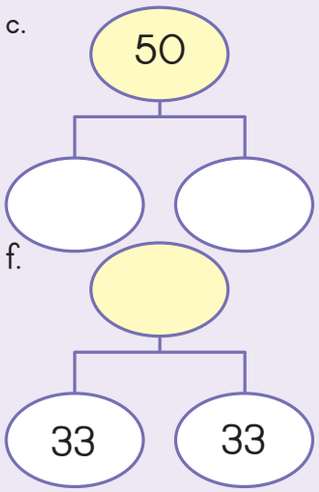
a.



b.



c.



d.

e.

f.



Umngeni

Nika isiqingatha sesi-3.

Bonisa ngokwenani okanye igama lenani. Umzobo ungakunceda.

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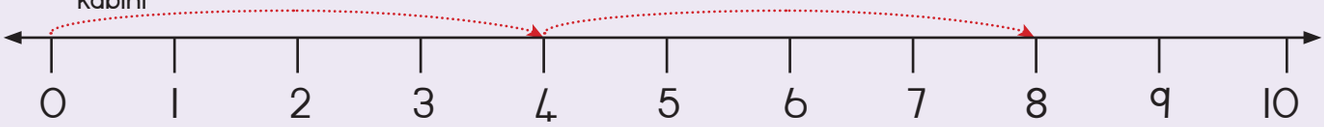




Phinda inani kabini usebenzise umgca manani.
Sikwenzele umzekelo wokuqala.

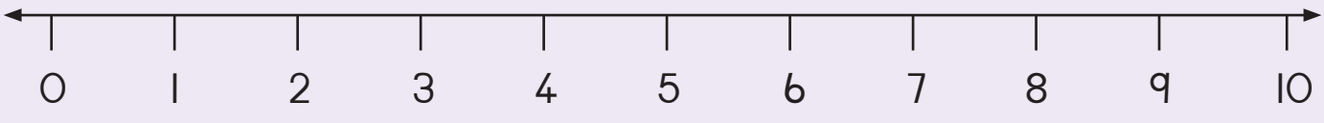
a. Phinda isi-4 kabini

4 + 4 = 8



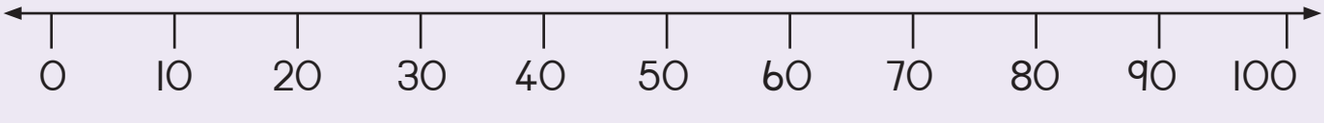
b. Phinda isi-5 kabini

___ + ___ = ___



c. Phinda ama-20 kabini

___ + ___ = ___



d. Phinda ama-40 kabini

___ + ___ = ___





Gqibezela oku

a. Phinda u-1 kabini	2
b. Phinda isi-6 kabini	
c. Phinda i-10 kabini	
d. Phinda ama-30 kabini	
e. Phinda ama-50 kabini	



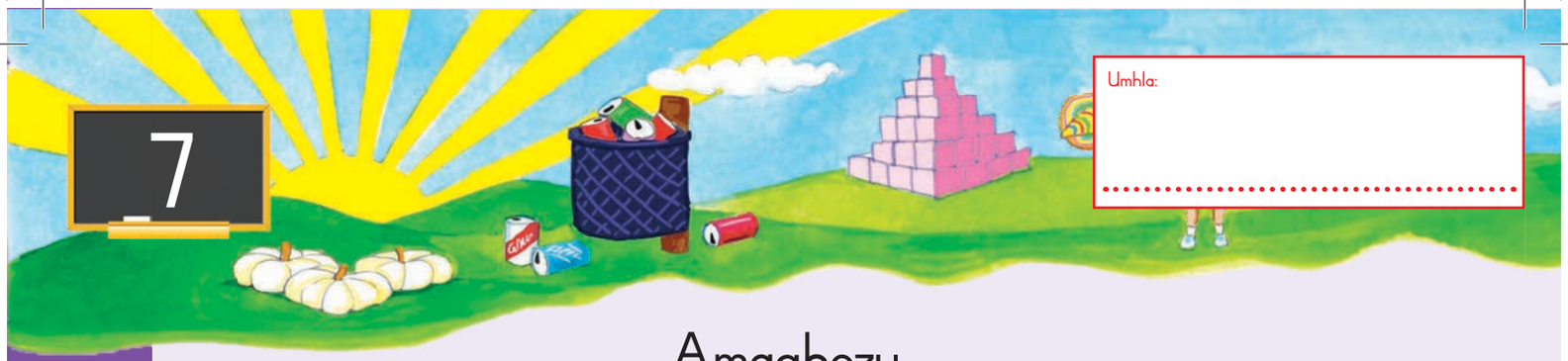
Gqibezela oku

a. Yahlula kubini isi-6	3
b. Yahlula kubini isi-8	
c. Yahlula kubini i-14	
d. Yahlula kubini ama-60	
e. Yahlula kubini ama-70	



11 12 13 14 15 16 17 18 19 20

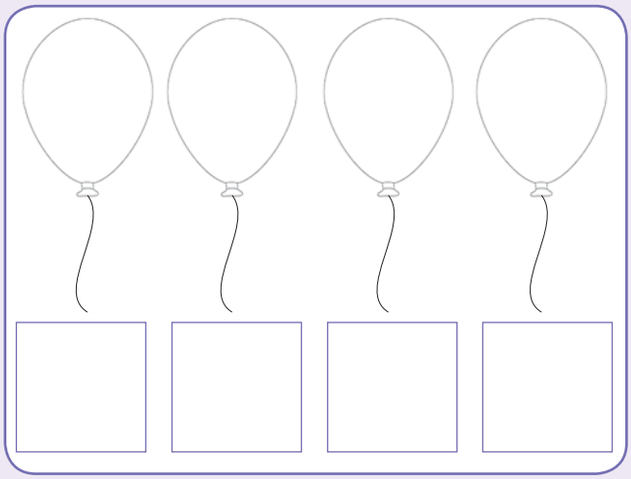
XHO NUM G3 B1 9781431500062.indb 15 2014/05/08 9:33 AM



Umhla:

Amaqhezu

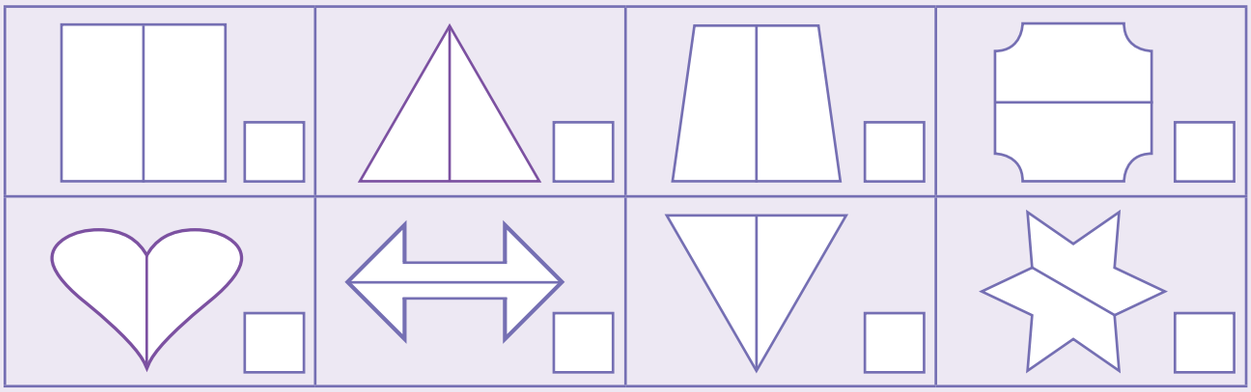
Fakela umbala obomvu kwikota yeebhaluni uze ufakele ozuba kwezishiyekileyo.
Faka umbala obomvu kwisiqingatha sebhokisi nganye.





Jonga iimilo. Phawula (✓) iimilo ezibonisa iziqingatha.

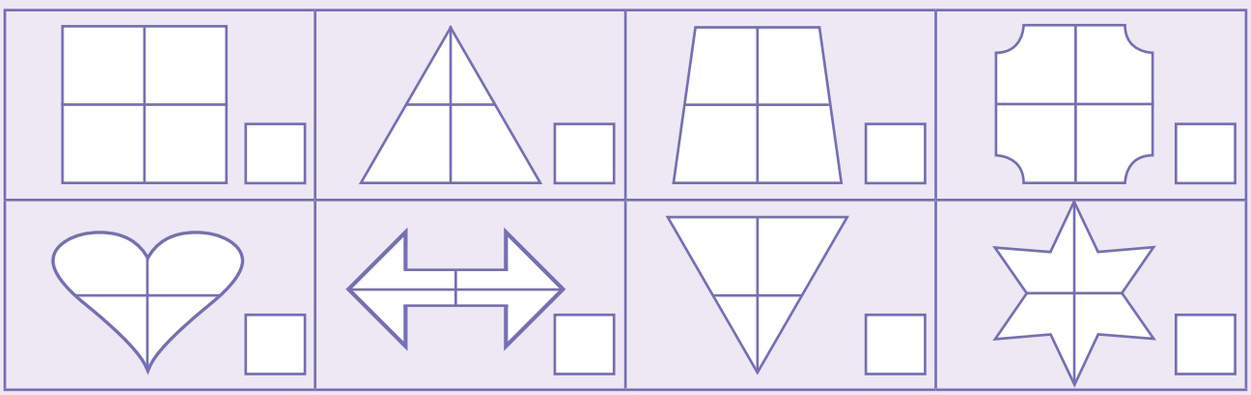
Fakela umbala kwisiqingatha semilo nganye eyahlulwe kabini.





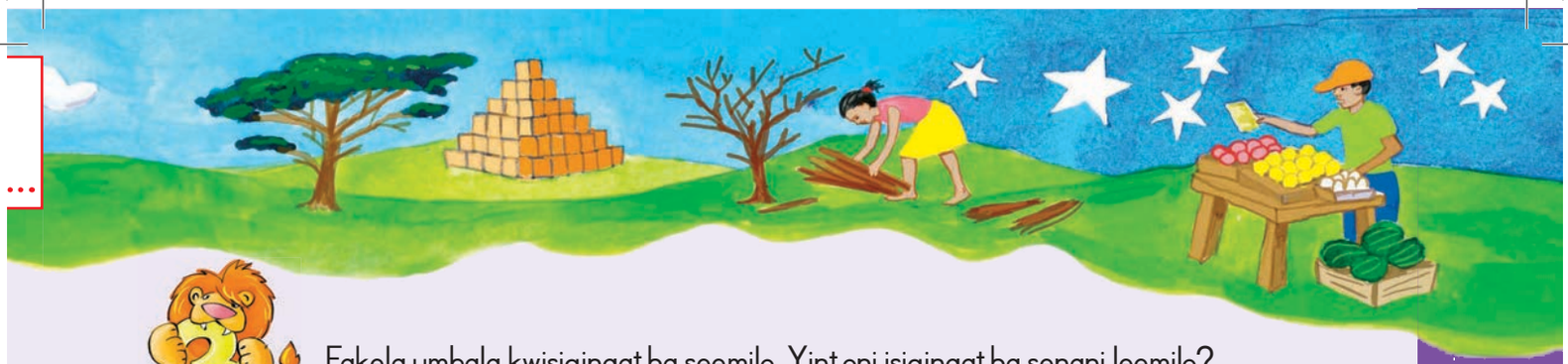
Jonga iimilo. Phawula (√) iimilo ezibonisa iikota.

Fakela umbala kwikota yemilo nganye eyahlulwe yaziikota ezilinganayo.



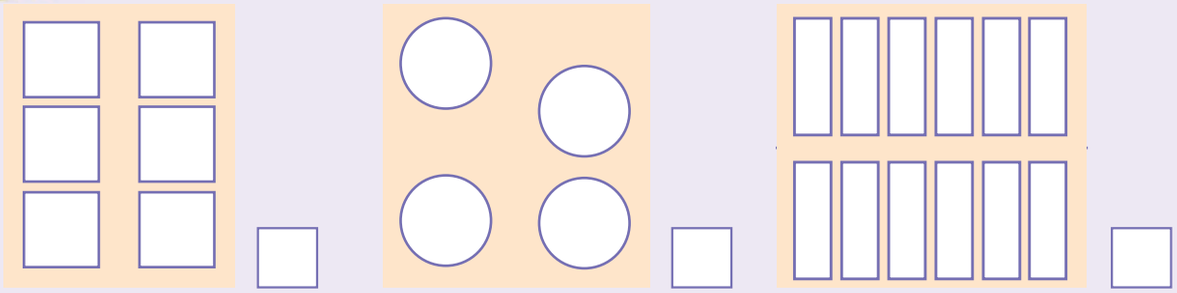
1 2 3 4 5 6 7 8 9 10

XHO NUM G3 B1 9781431500062.indb 16 2014/05/08 9:33 AM



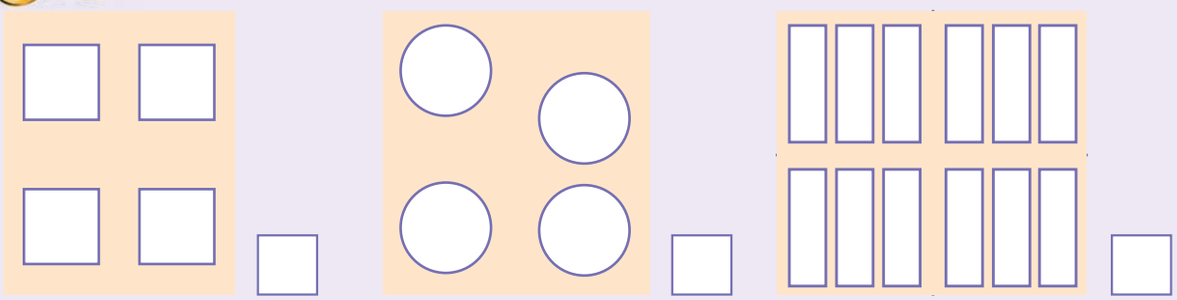


Fakela umbala kwisiqingatha seemilo. Yintoni isiqingatha senani leemilo?





Fakela umbala kwikota yeemilo. Yintoni ikota yenani leemilo?

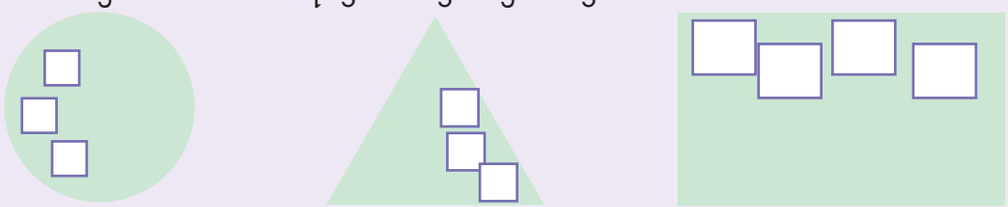




Bhala ngokophawu lweqhezu. iziqingatha ☐ iikota ☐

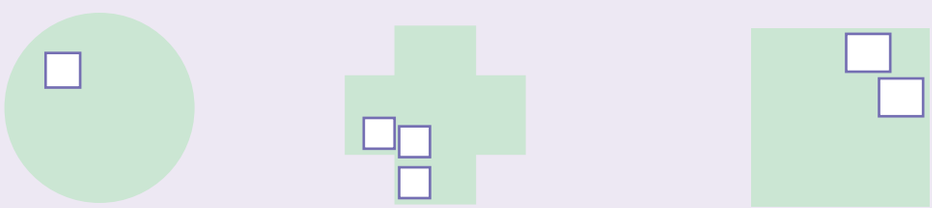


Zoba ezinye iimilo wenze isiqingatha ngasinye silingane.





Zoba ezinye iimilo wenze ikota nganye ilingane.

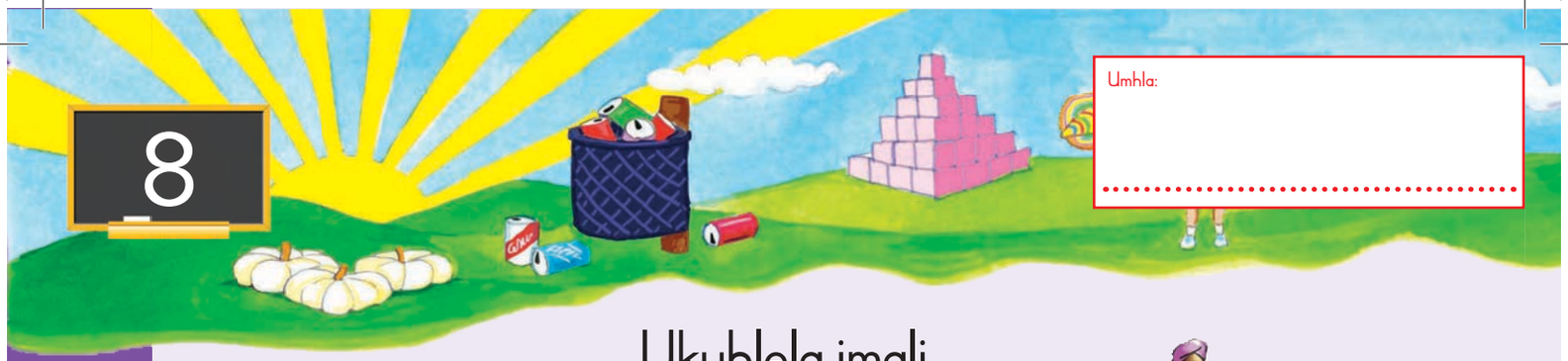






11 12 13 14 15 16 17 18 19 20

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Umhla:

Ukuhlela imali



Umgalelo

UMaLubisi ubala aze ahlele imali ayifumene kwiqela.











Qikelela imali edityanisiweyo. R_____

Bala imali. R_____

Thelekisa uqikelelo kunye neetotali.



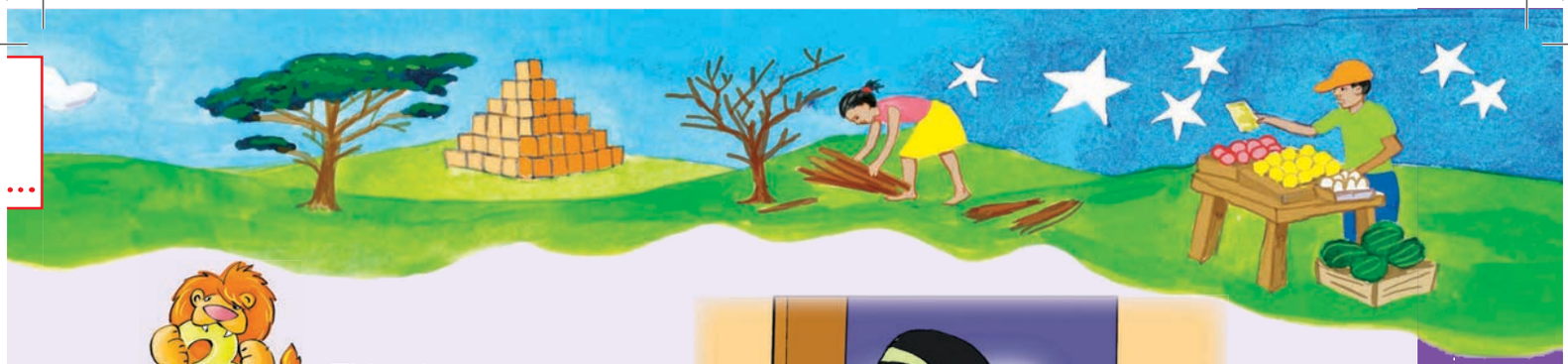
Ukugcina imali



UGugu ugcina imali yokuthenga izihlangu ezixabisa ama-R89. Unesiqingatha sale mali okwangoku. Kusafuneka abe namalini? Bhala isivakalisi samanani ubonise impendulo yakho.

_____ _____ _____

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Ebhankini



UMaria uhlela imali engamaphepha ibe ziziqhuma ezili-5.
Unenye imali engamaphepha eshiyekileyo.
Bhala imali iyonke kumqolo ngamnye.

	Iyonke
	R_____
	R_____
	R_____



Umngeni

Utyelelo kumzi wezilwanyana

Abanye abantu kunye nabantwana baya kumzi wezilwanyana. Bathenga amatikiti axabisa ama-R90.

Bangaphi abantwana? _____

Bangaphi abantu abadala? _____

Ingaba ikhona enye impedulo?

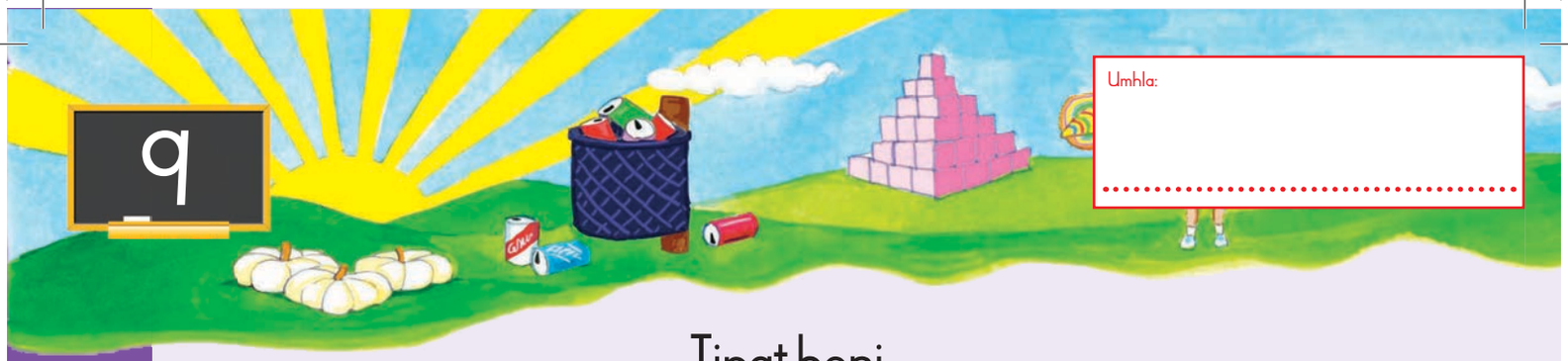
Abantu abadala _____ Abantwana _____



Teacher:
Sign:
Date:

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Umhla:

Iipatheni



Sebenzisa le bhodi yamanani angama-200 ukuze uphendule le mibuzo.

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



Sebenzisa ibhodi yamanani angama-200 ukuze ugqibezele amanani amane alandela kwezi patheni zamanani. Emva koko faka umbala kwipatheni ekwibhodi yamanani.

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 amanani alandelayo kwipatheni nganye.
Wakugqiba faka umbala kwipatheni leyo. Uqaphela ntoni ngamanani anombala ofanayo?

Ukubala ngezihlanu.

				5					10

Ukubala ngezibini.

	2		4						

Ukubala ngezithathu.

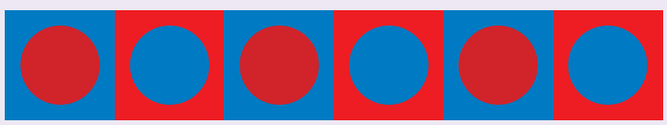
		3			6				

Ukubala ngamashumi.

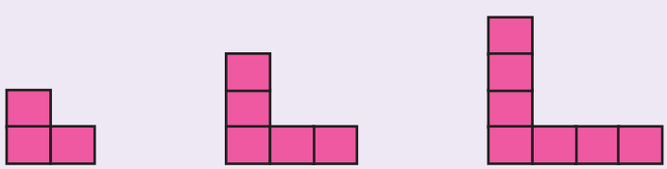
									10



Yandisa ipatheni.



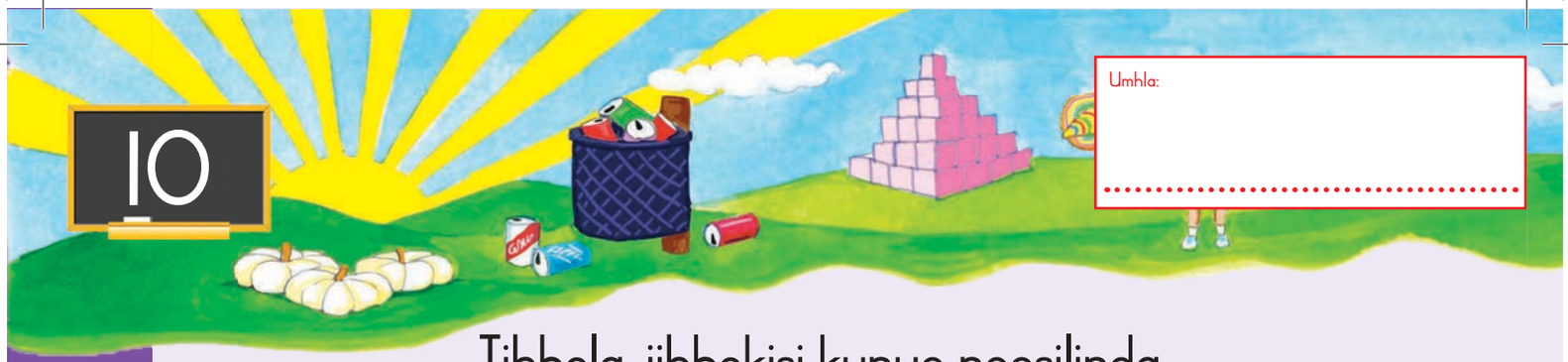






11 12 13 14 15 16 17 18 19 20

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10

Umhla:

.....

Iibhola, iibhokisi kunye neesilinda







Biyela ngesangqa iibhokisi zibe zuba, iibhola zibe bomvu ze iisilinda zibe luhlaza.



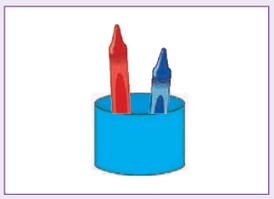


Fakela umbala kwimpendulo echanekileyo.



Ibhokisi

iyatyibilika | iyaqengqeleka



Isilinda

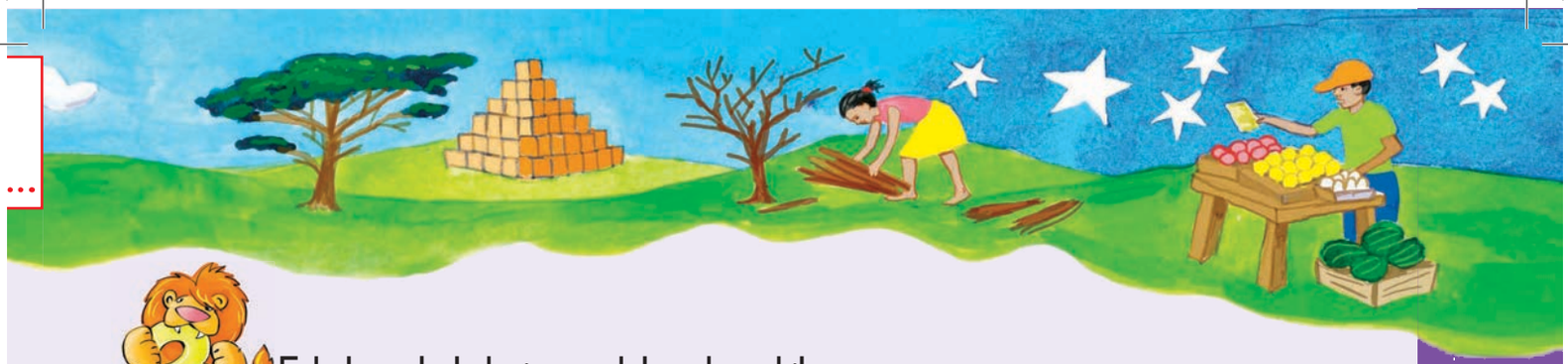
iyatyibilika | iyaqengqeleka



Ibhola

iyatyibilika | iyaqengqeleka

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3 Fakela umbala kwimpendulo echanekileyo.



isiphelo esingqukuva

isiphelo esithe tye



isiphelo esingqukuva

isiphelo esithe tye



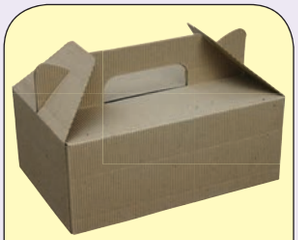
isiphelo esingqukuva

isiphelo esithe tye



isiphelo esingqukuva

isiphelo esithe tye



isiphelo esingqukuva

isiphelo esithe tye



isiphelo esingqukuva

isiphelo esithe tye



isiphelo esingqukuva

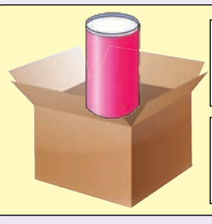
isiphelo esithe tye



isiphelo esingqukuva

isiphelo esithe tye

4 Chaza ukuba iphi na le toti. Ingaphambili, isecaleni okanye ingaphezulu kwebhokisi?



ingasemva | ingaphambili

isecaleni | ingaphezulu



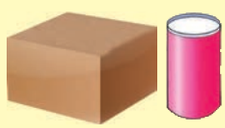
ingasemva | ingaphambili

isecaleni | ingaphezulu



ingasemva | ingaphambili

isecaleni | ingaphezulu



ingasemva | ingaphambili

isecaleni | ingaphezulu

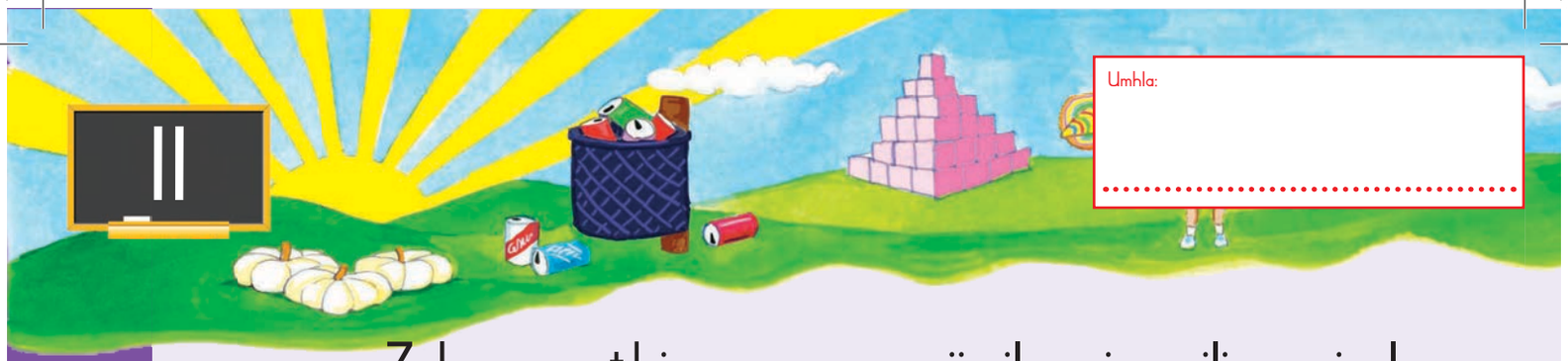
Teacher:

Sign:

Date:

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Umhla:

Zoba uze uthiye amagama iimilo ezinemilinganiselo emibini (2D) uze uzithelekise.



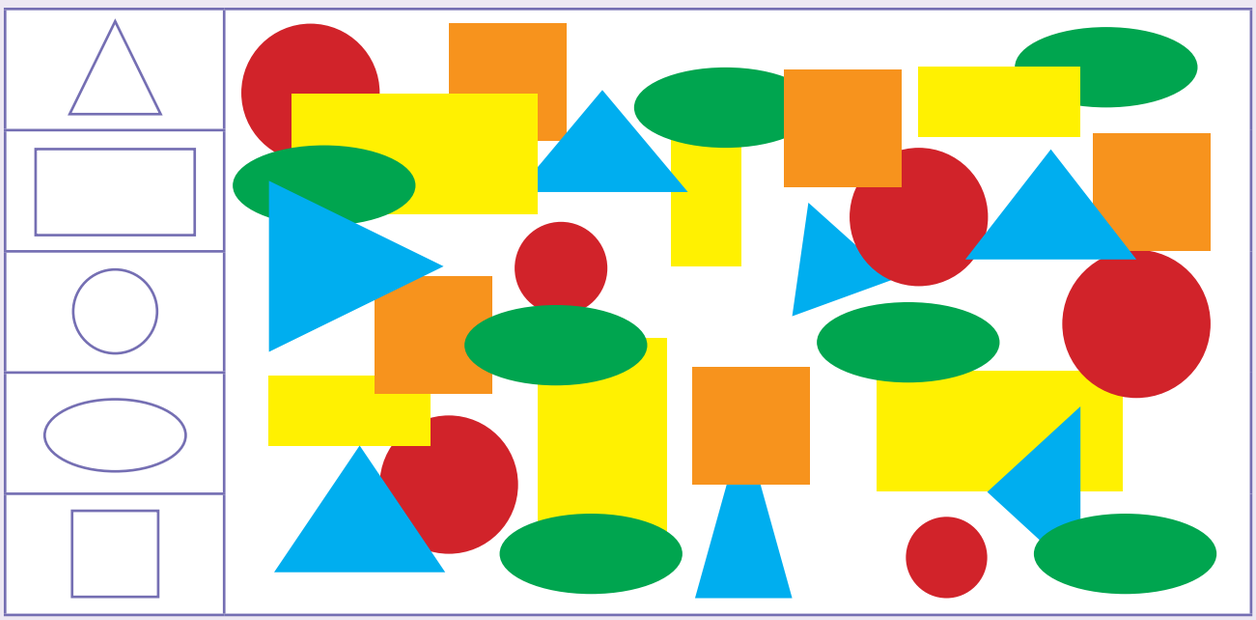
Zoba iimilo

Unxantathu		Isangqa	
Isikwere		uxande	



Bala iimilo

Bala ukuba ufumana iimilo ezingaphi ezifana nezi kulo mfanekiso.



1 2 3 4 5 6 7 8 9 10

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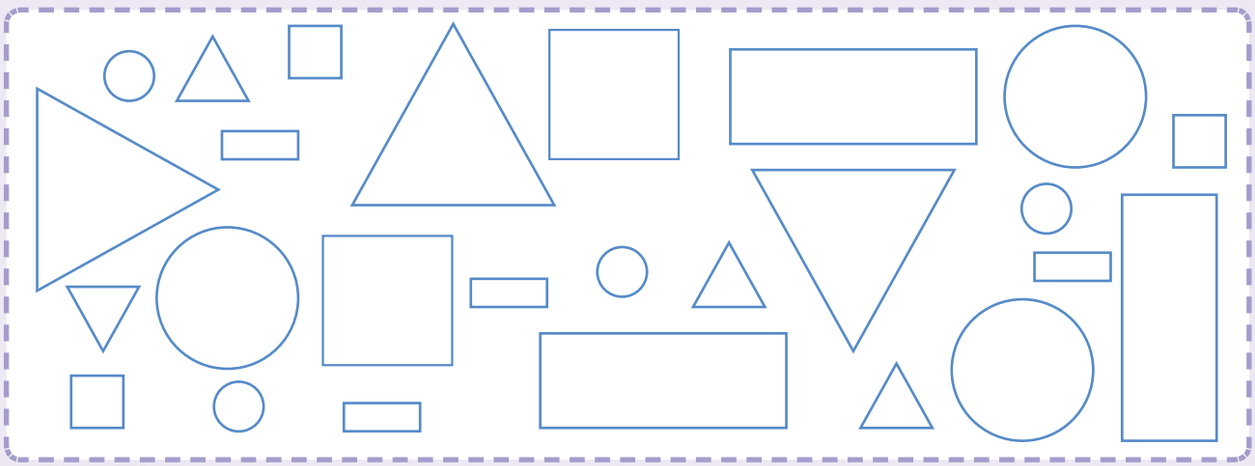




Fakela umbala obomvu kwizangqa

ezikhulu, oluhlaza kwezincinci; ozuba koonxantathu abakhulu, o-orenji kwabancinci; omthubi kwizikwere ezikhulu, omsobo kwezincinci; omdaka kwiingxande ezinkulu nopinki kwezincinci.



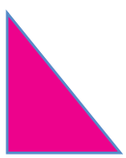
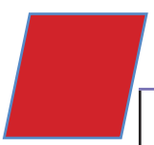
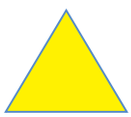
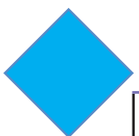
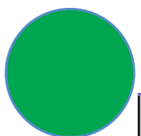


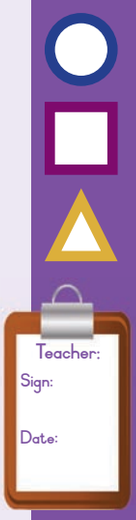


Mangaphi amacala?

Mangaphi amacala akwimilo nganye?

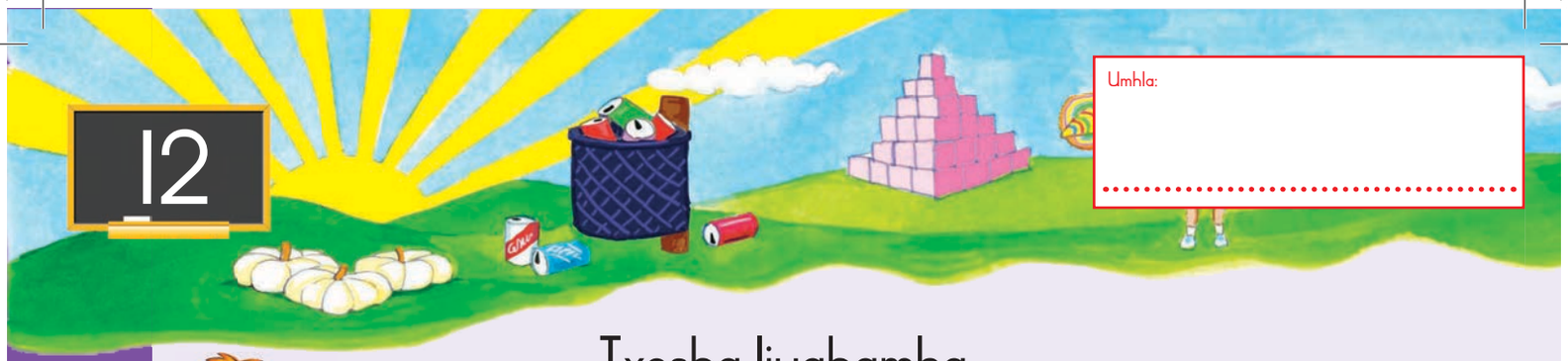
Bhala inani eblokweni. Sikwenzele umzekelo omnye. Ingaba amacala athe tye okanye angqukuva? Fakela umbala kwimpendulo echanekileyo.

 3 ithe tye / ingqukuva	 ithe tye / ingqukuva	 ithe tye / ingqukuva	 ithe tye / ingqukuva
 ithe tye / ingqukuva	 ithe tye / ingqukuva	 ithe tye / ingqukuva	 ithe tye / ingqukuva



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12

Umhla:

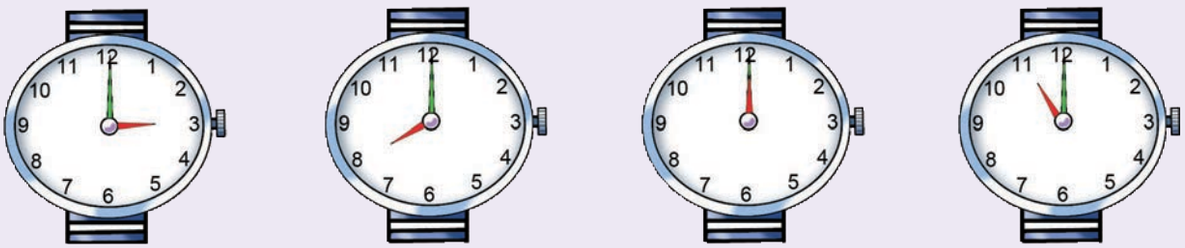
.....

Ixesha liyahamba



Funda ixesha

Zibonisa awaphi amaxesha ezi wotshi?

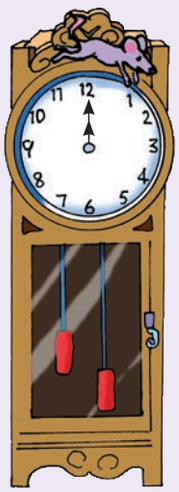


_____ nkqo entloko _____ nkqo entloko _____ nkqo entloko _____ nkqo entloko



Tsiba-tsiba ujikeleze iwotshi

Ncedisa uMpukwana abale imizuzu ngezi-5.
Qala kwi-12. Jikeleza.



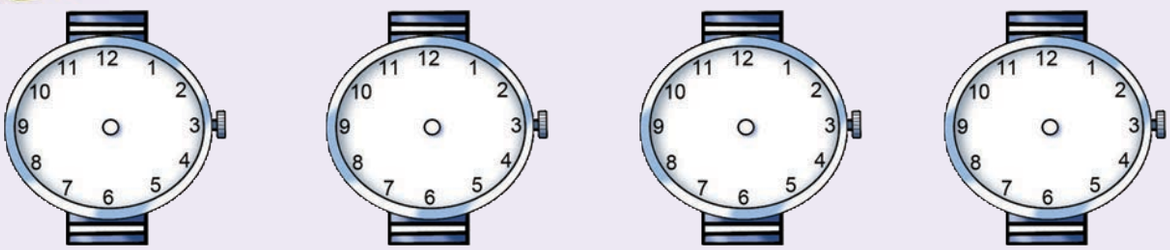
Ubale imizuzu emingaphi? _____

Mingaphi imizuzu kwiyure enye? _____



Bhala ixesha

Zoba amasiba ubonise amaxesha.



umkhono emva kweyesi-6

icala emva kweyesi-8

umkhono phambi kweye-11

licala emva kweyesi-5

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UTumi uya esikolweni.





Umka ekhaya.



Uyafika esikolweni.

Uthatha ixesha elingakanani uTumi? _____



Usuku lokubhaka

UMaria ubhaka isonka.



Isonka singena eovenini.



Isonka siyaphuma eovenini.



Isonka sibhaka iiyure ezi _____.



Umngeni



Kwixesha eliphindwe kabini

a. Tshintsha iiyure zibe yimizuzu.

Iiyure	1	2	4	8
Imizuzu	60			

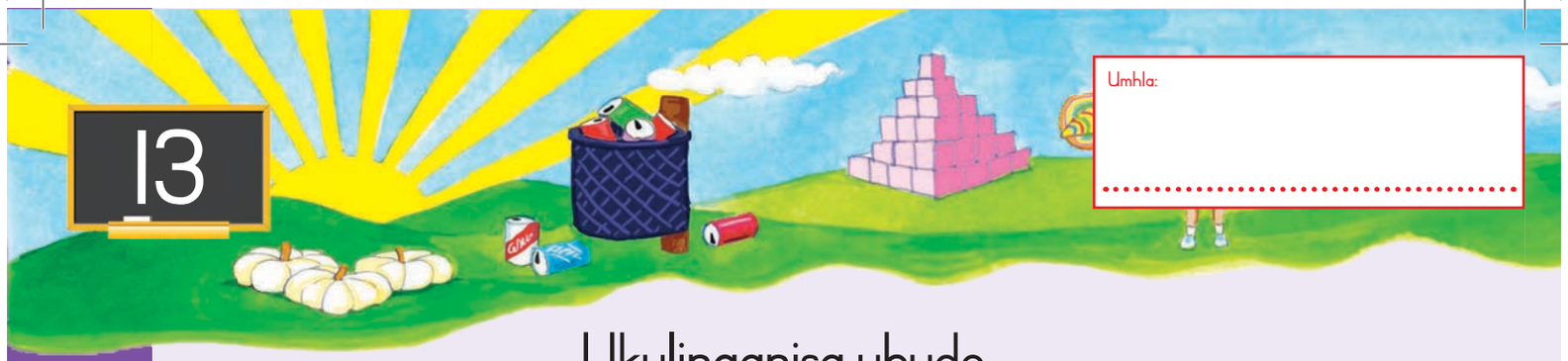
b. UJabu uthatha imizuzu engama-45 ukuya esikolweni.
UTumi uliphinda kabini eli xesha. Zingaphi iiyure ezithathwa nguTumi ukuya esikolweni?

_____

Teacher:
Sign:
Date:

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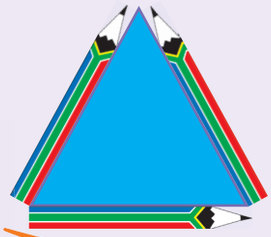


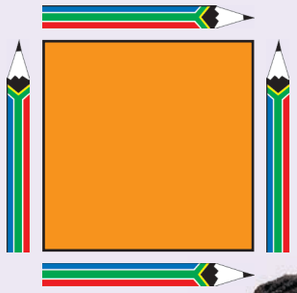
13

Umhla:

Ukulinganisa ubude











Amacala alo nxantathau ewonke anobude obuziipenisile ezi-3.

Amacala ezi zikwere ewonke anobude obuziipenisile ezi-4.





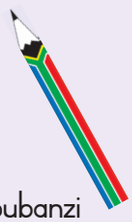
Azi ukuba olu xande lude kwaye lubanzi kangakanani na?

Lude kangangeepenisile ezingaphi olu xande?

Lubanzi kangangeepenisile ezingaphi uxande?

ubude





ububanzi

Uzisebenzise njani iipenisile ekubaleni kwakho?

1 2 3 4 5 6 7 8 9 10

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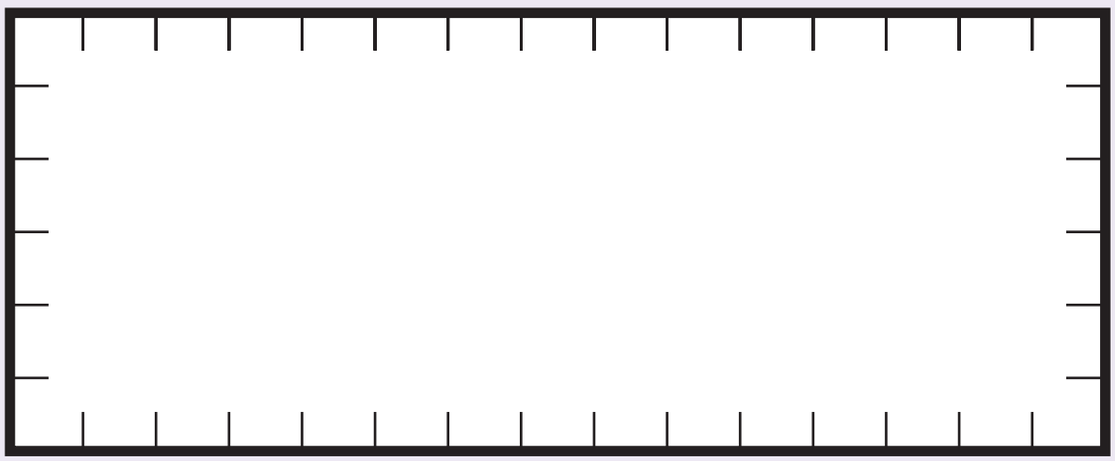


Ubude obuyimfihlo

a. Kufuneka ube nemigca ebomvu emingaphi ukuze ukwazi ukugquma umgca omnyama?



b. Kufuneka ube nemigca ebomvu emingaphi ukuze ukwazi ukulujikeleza lonke olu xande?



c. Yeyiphi ende, yindlela engentla okanye yindlela engezantsi okanye ziyafana?



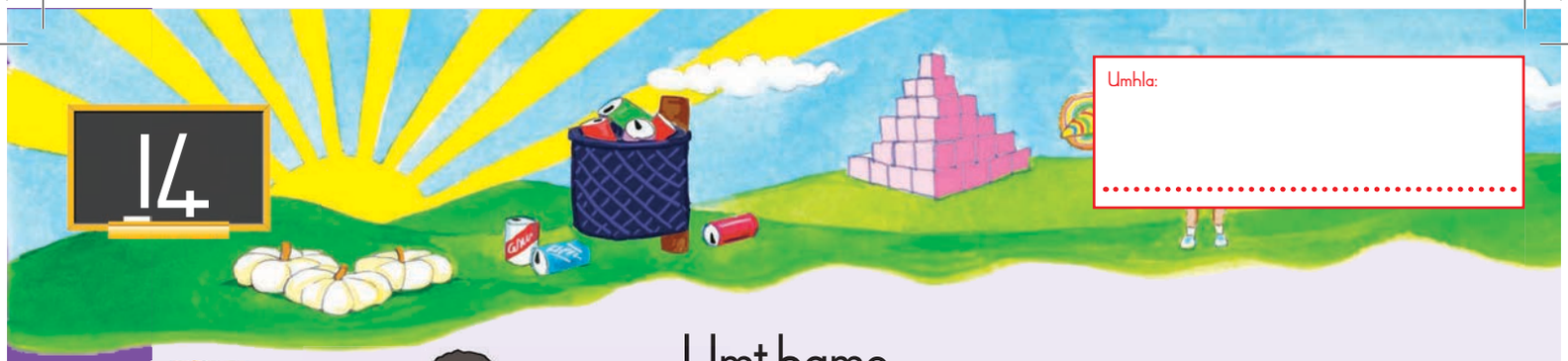
Impendulo _____

Kutheni? _____

Teacher:
Sign:
Date:

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Umhla:

Umthamo





Ijagi ithatha iikomityi ezili-10 zamanzi. Sendigalele iikomityi ezimbini ejagini.

Ziikomityi ezingaphi zamanzi ezisafunekayo ukuzalisa isikhongozelo?

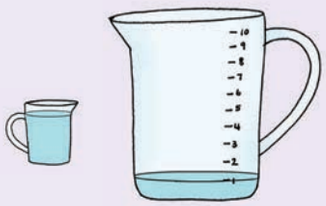
_____



Zingaphi iikomityi zamanzi ezikwisikhongozelo?

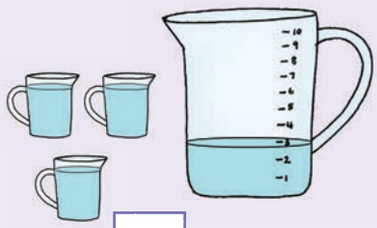
Zingaphi iikomityi ezisafunekayo ukuzalisa isikhongozelo?

a.



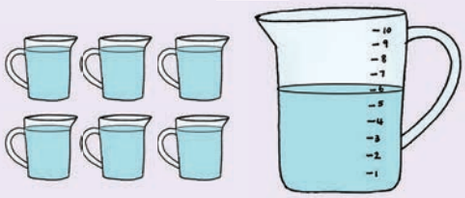
Kwisikhongozelo: 1 Kufuneka: 9

b.



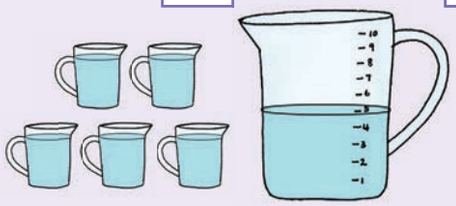
Kwisikhongozelo: ____ Kufuneka: ____

c.



Kwisikhongozelo: ____ Kufuneka: ____

d.



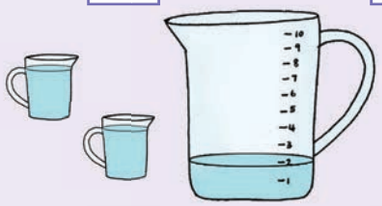
Kwisikhongozelo: ____ Kufuneka: ____

e.



Kwisikhongozelo: ____ Kufuneka: ____

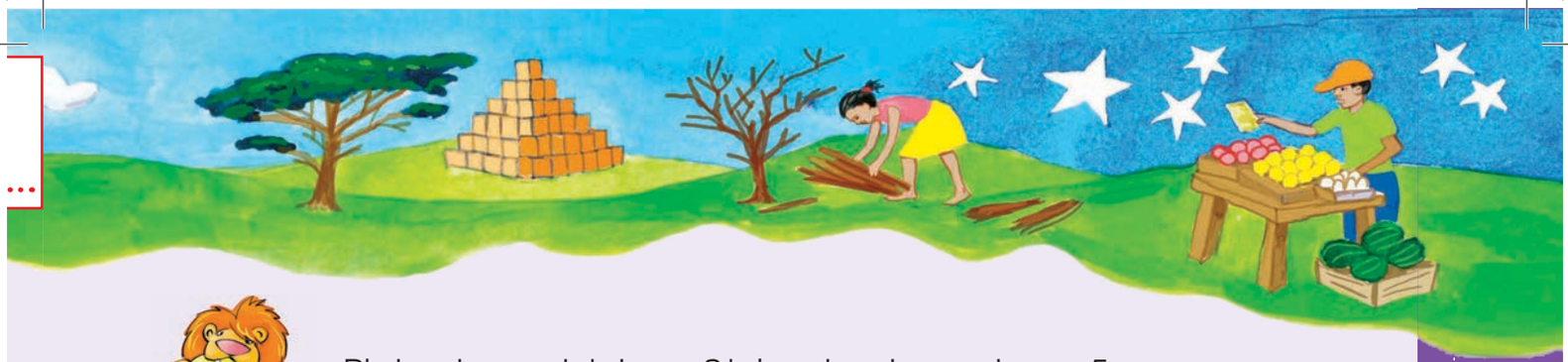
f.



Kwisikhongozelo: ____ Kufuneka: ____

1 2 3 4 5 6 7 8 9 10

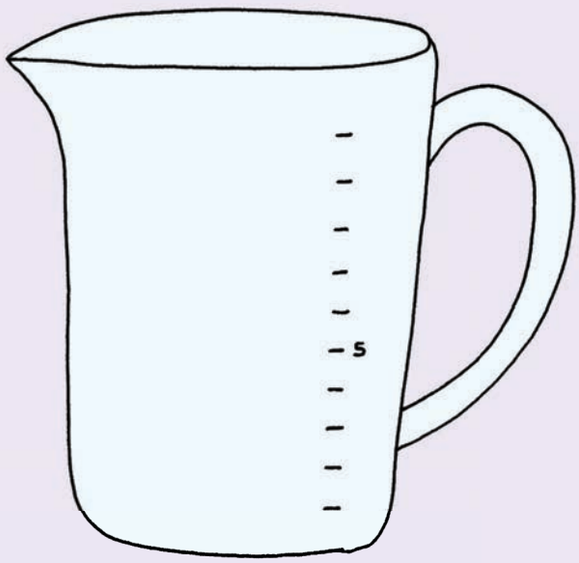
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Bhala imilinganiselo kule jagi. Sikubonisile umlinganiselo wesi-5.

Fakela eminye imilinganiselo ejagini.



Ukuba ikomityi enye ilingana umlinganiselo omnye wejagi, zingaphi iikomityi ezifunekayo ukuze zifikelele kulo mlinganiselo:

a. 4 _____

b. 6 _____

c. 8 _____

d. 10_____



Phawula izikhongozelo ocinga ukuba zingathatha ulwelo olulingana ilitha e-1.

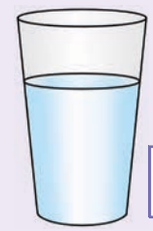














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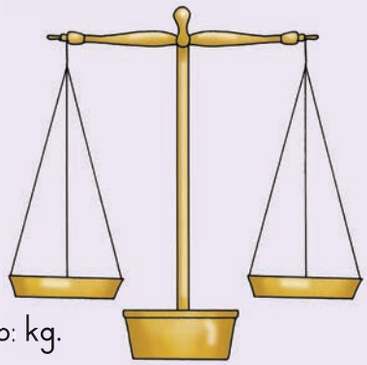
15

Umhla:

Ukusebenza ngobunzima (imasi)



Masilinganise ubunzima bethu!



Ukuze sifumane ubunzima bethu, ukuba sisinda okanye sikhaphu-khaphu kangakanani sisebenzisa isikali.

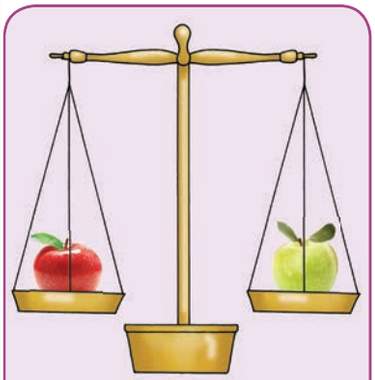
Ubunzima sibulinganisa ngeekhilogramu. Sisebenzisa esi sifinyezo: kg.
Ngubani oyena unzima kakhulu?



41 kg | 38 kg | 41 kg | 42 kg | 39 kg

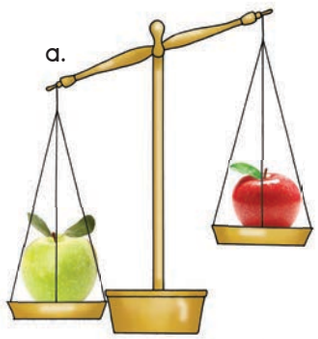


Sisebenzisa isikali ukuze sikwazi ukulinganisa ubunzima.

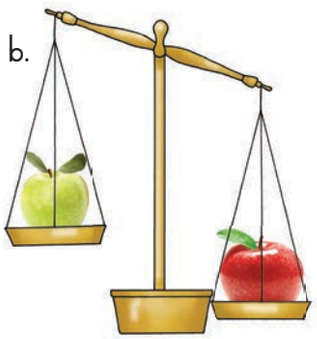


Ama-apile akwesi sikali anobunzima obulinganayo.

a.



b.

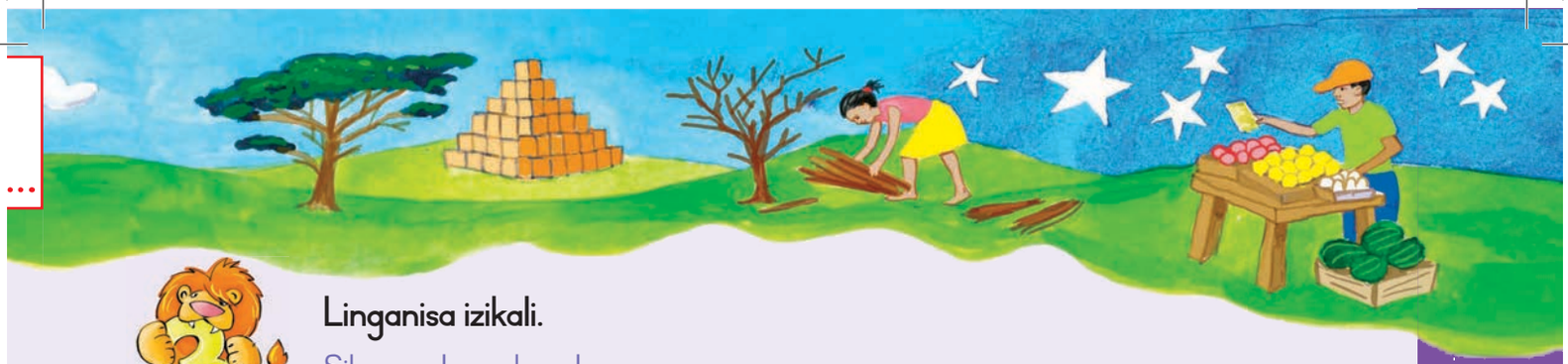


Phendula umbuzo, ubhale a okanye b.

Kukwesiphi isikali apho iapile eliluhlaza linzima kuneapile elibomvu? ☐

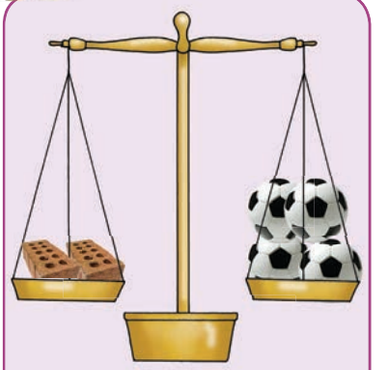
Kukwesiphi isikali apho iapile eliluhlaza likhaphukhaphu kuneapile elibomvu? ☐

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Linganisa izikali.

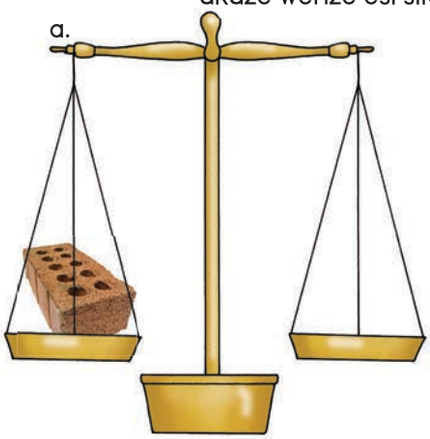
Sikwenzele eyokuqala.



Izitena ezibini zinobunzima obulingana nobeebhola ezine.

Zoba ubonise ukuba ungaf una izitena okanye iibhola ezingaphi ukuze wenze esi sikali silingane macala.

a.



b.





Ukuba ipasile enye inobunzima obuzii-3 kg, ziya kuba nobunzima doungakanani ezi ___ ?

a. Iipasile ezi-2 _____ kg

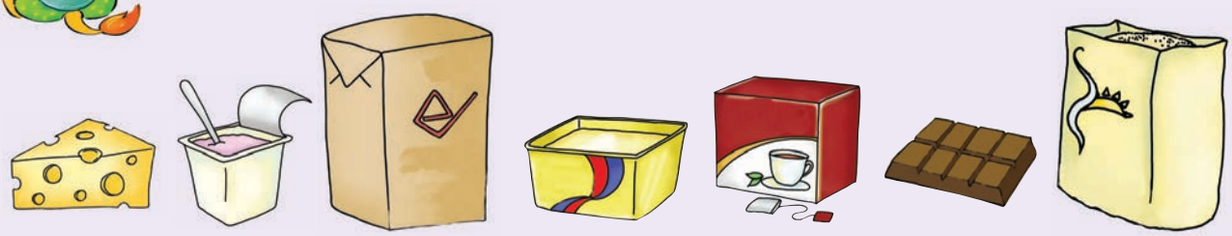
b. Iipasile ezi-3 _____ kg

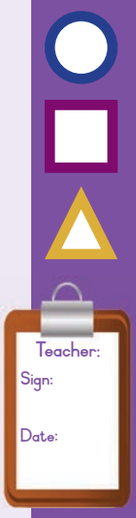
c. Ndingakwazi na ukulinganisa iipasile ezi-4 ngaxeshanye kwesi sikali sasekhitshini? _____

Ngoba kutheni? _____

_____

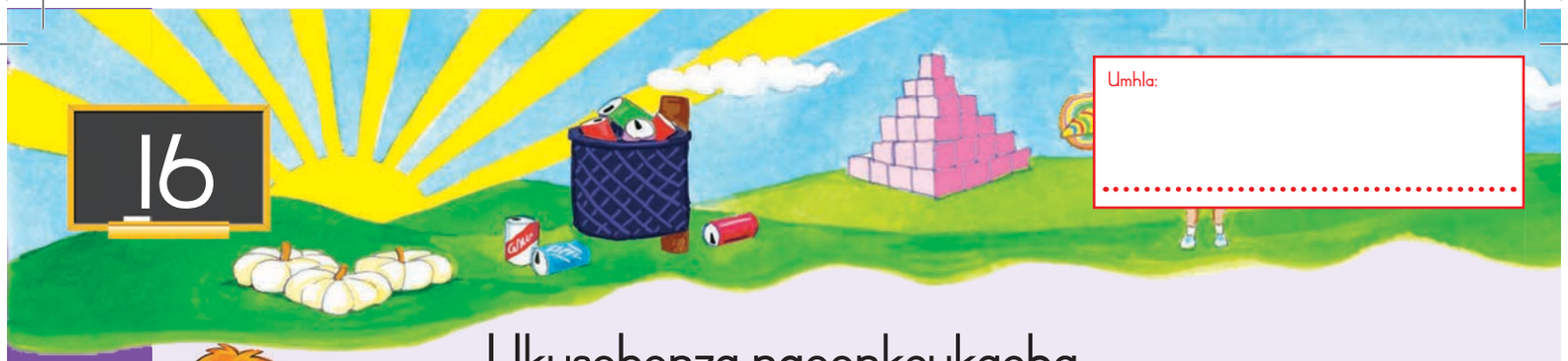
Phawula iibhokisi zeempendulo ezinezinto ezinobunzima obuyi-1 kg.





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16

Umhla:

.....

Ukusebenza ngeenkcukacha



Izihlangu eklasini.



Funda ibali.

Thabo: Yhoo, Titshalakazi! uJack sisigebenga! Unxiba u-6 esihlangwini!

Nksk. Khoza: Kunjalo Thabo, yisayizi enkulu leyo ukuba inganxitywa ngumntwana oneminyaka eli-9 ubudala!
Unxiba eyiphi isayizi wena, Thabo? Banxiba eziphi isayizi abanye apha eklasini?
Masenze ubalo!

Abafundi bakhwaza iisayizi zezihlangu zabo ngabanye-ngabanye.

UNksk. Khoza ubhala iisayizi zezihlangu ebhodini.

Nksk. Khoza: Balani, nandule ukubhala inani lesayizi nganye ekwitheyibhile.

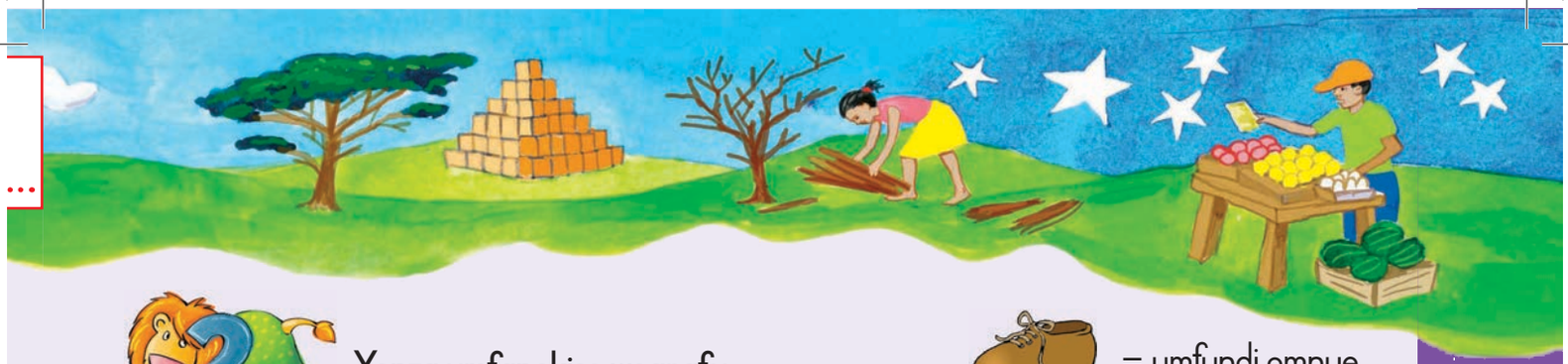
2	2	3	1	2	3	1	4	3	2	3
2	3	2	6	2	2	3	3	3	4	3
4	2	2	3	3	5	3	2	2	2	1
1	1	2	4	2	3	2	3	4	2	4
4	3	2	2	3	1	2	2	1	4	3

Gcwalisa le theyibhile.

Iisayizi zezihlangu eklasini.					
Usayizi 1	Usayizi 2	Usayizi 3	Usayizi 4	Usayizi 5	Usayizi 6

1 2 3 4 5 6 7 8 9 10

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Yenza umfanekiso wegrafu.

 = umfundi omnye

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



Phendula ngoku le mibuzo.

a. Uninzi lwabafundi lunxiba usayizi _____ wezihlangu.

b. Elona limbalwa inani linxiba usayizi _____.

c. Ba _____ abantwana abathathe inxaxheba kubalo.



Wena?

Fumanisa ukuba ninxiba eziphi iisayizi zezihlangu wena nabahlobo bakho!

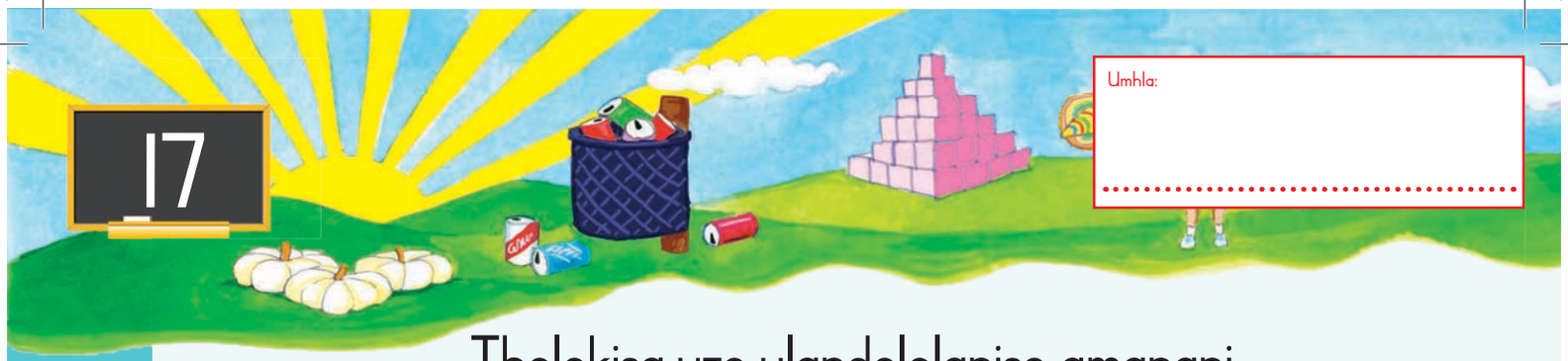
- Sebenzisana neqela labantwana aba-6 ukuya kwabasi-8.
- Qokelela iinkcukacha.
- Bhala inani leesayizi zezihlangu phakathi kwitheyibhile.
- Thelekisa iimpendulo kunye namanye amaqela.



Teacher:
Sign:
Date:

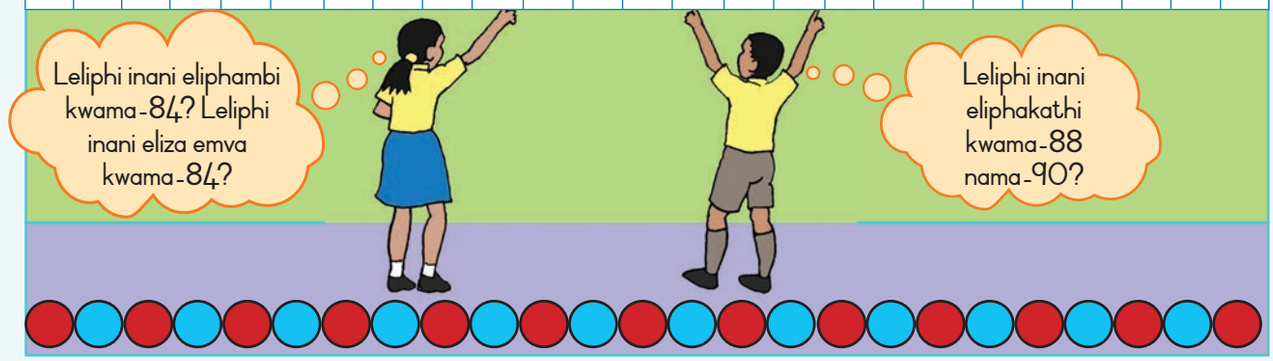
11 12 13 14 15 16 17 18 19 20

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Thelekisa uze ulandelelanise amanani

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





Fakela amanani angekhoyo.

51									
						67			
71									
									100

Sebenzisa ibhodi yamanani uphendule imibuzo.

- Leliphi inani eliphambi kwama-68? _____
- Leliphi inani eliza emva kwama-68? _____
- Bhala amanani amahlanu anganeno kunama-71 _____, _____, _____, _____, _____
- Bhala amanani amahlanu amakhulu kunama-71 _____, _____, _____, _____, _____
- Ngawaphi amanani aphakathi kwama-79 nama-84? _____
- Bhala amanani uqale kwelona lincinci uye kwelona likhulu. 73, 52, 50, 59, 61

  _____
- Bhala amanani uqale kwelona likhulu uye kwelona lincinci. 74, 96, 99, 91, 38

  _____

1 2 3 4 5 6 7 8 9 10

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Gqibezela itheyibhile. Qala ngenani olinikiweyo.

	linye ngaphezulu	linye nganeno	lishumi ngaphezulu	lishumi nganeno
25				
39				
74				
56				
40				

Biyela ngesangqa elona nani likhulu.

78	87	17	36	63	33

Biyela ngesangqa elona nani lincinci.

99	19	9	14	41	40

Ukuba olu phawu < luthetha ukuba ncinci, ze olu > luthethe ukuba nkulu, gqibezela:

32 [<] 64 23 [>] 18

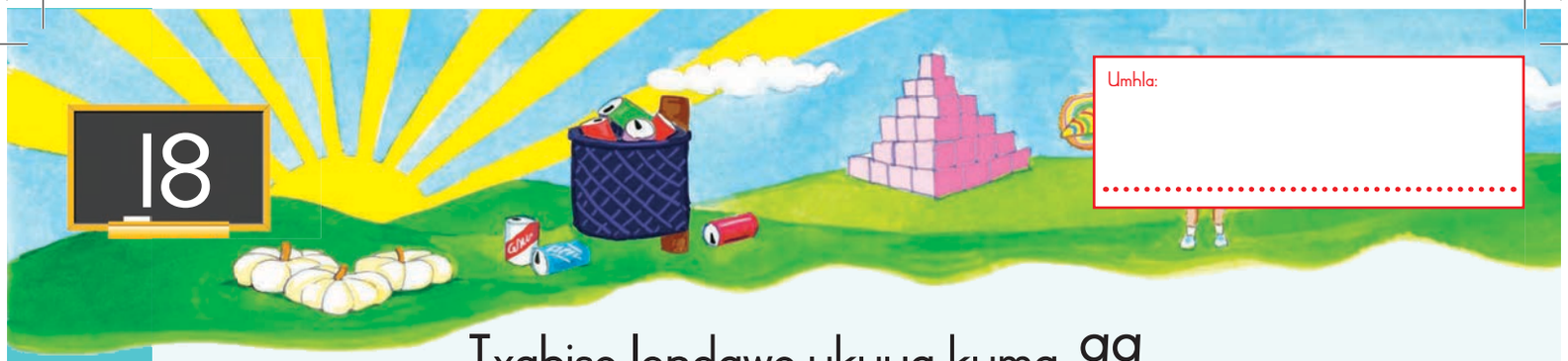
57 [ ] 98 89 [ ] 57

Khangela amanani amahlanu kwiphephandaba aphakathi kwama-50 nama-99 uze uwancamathisele apha.

Teacher:
Sign:
Date:

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Umhla:

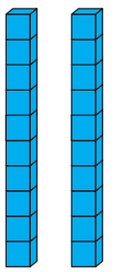
Ixabiso lendawo ukuya kuma-99



Ukubonisa amanani usebenzisa izinto

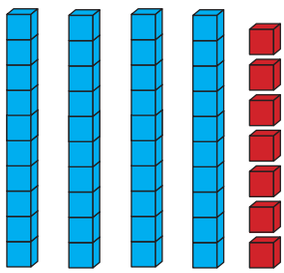
Siyakwazi ukubonisa amanani ngeebloko zamaxabiso eendawo.

Ibloko encinci imele u-1. Yiyunithi okanye ngumvo .
Intonga yeebloko ezincinci ezilishumi imele i-10. Lishumi.

Amashumi	Imivo
	

Unokubonisa inani usebenzisa amashumi nemivo.

Nantsi indlela yokubonisa ama-47.



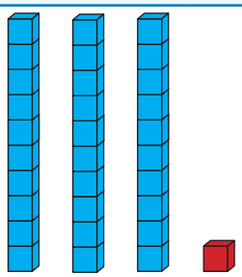
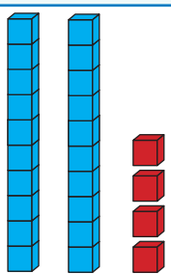
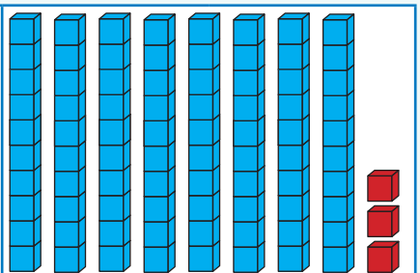
Amashumi	Imivo
4	7

Amashumi amane anesixhenxe
47



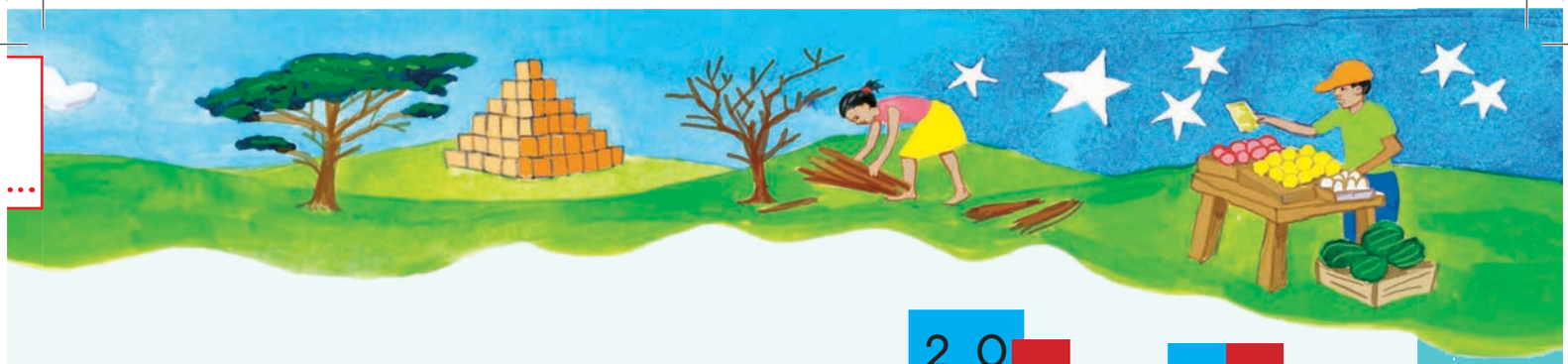
Ukubhala amanani ngokwemivo nangamagama

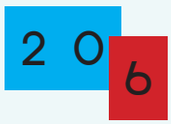
a. Phantsi komfanekiso, bhala ukuba mangaphi amashumi nemivo. Emva koko bhala inani ngeesimboli namagama.

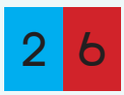
					
Amashumi	Imivo	Amashumi	Imivo	Amashumi	Imivo
3	1				
31 amashumi amathathu ananye		_____ _____		_____ _____	

1 2 3 4 5 6 7 8 9 10

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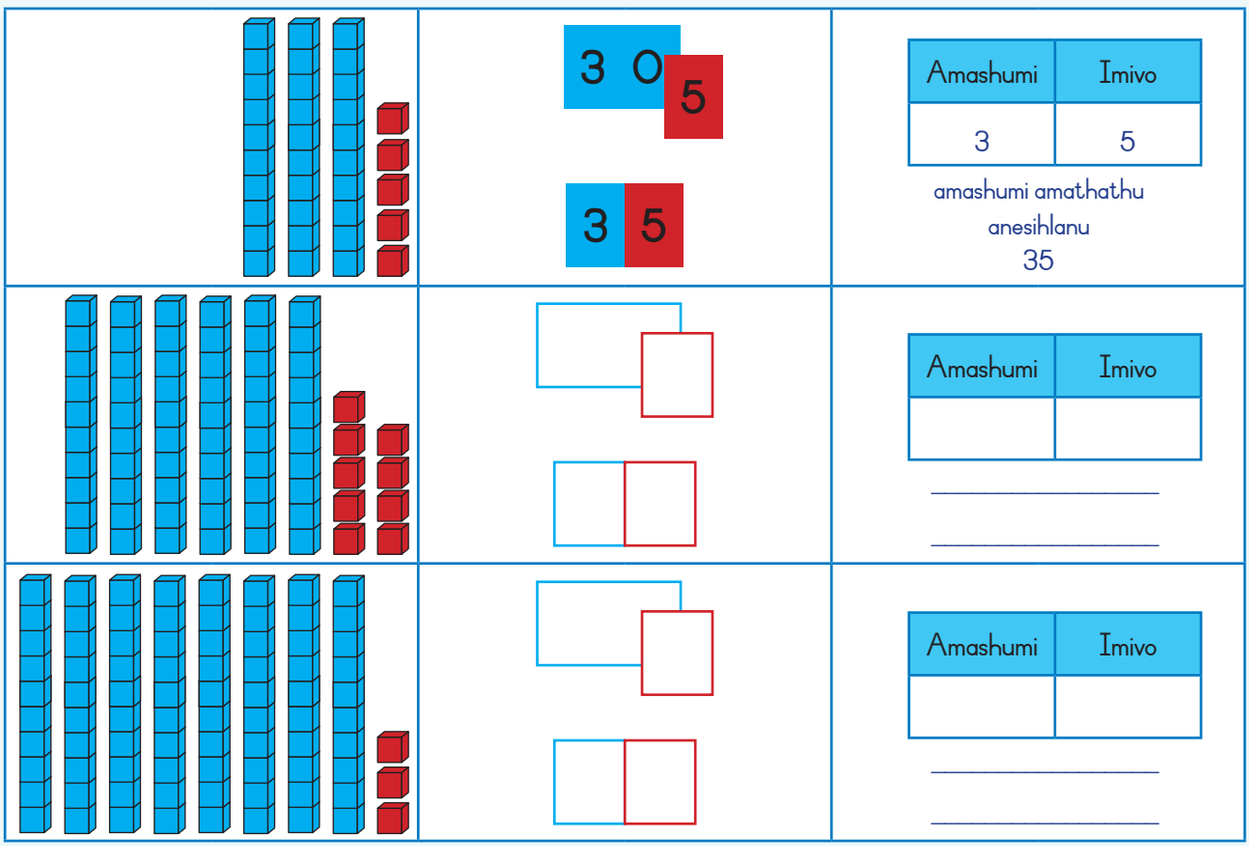


b. Singasebenzisa amakhadi ethu amanani sibonise oku.

Inani	Mangaphi amashumi?	Mingaphi imivo?	Bhala inani ngamazwi
26	2	6	amashumi amabini anesithandathu
46			
99			



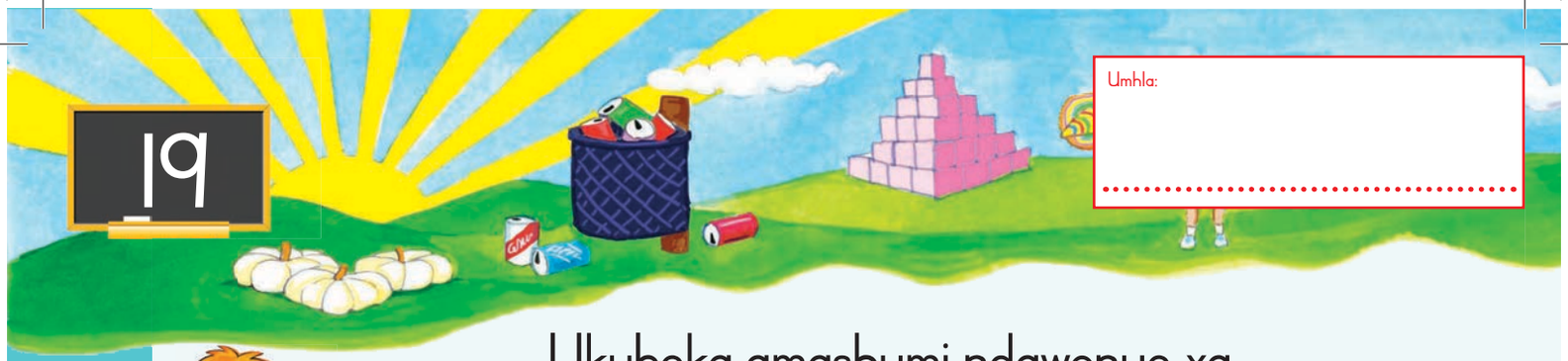
Ngubani eli nani?





11 12 13 14 15 16 17 18 19 20

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Umhla:

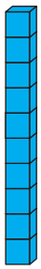
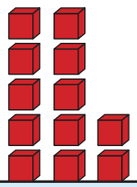
.....



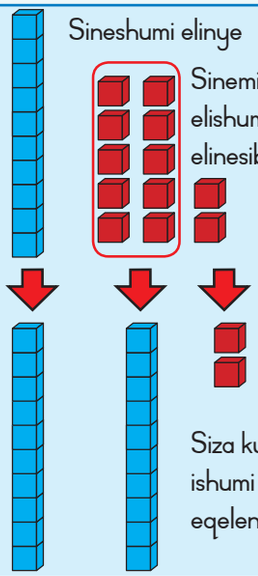
Ukubeka amashumi ndawonye xa sidibanisa ukuya kuma-99

Funda

Nantsi indlela yokubonisa ama-22.

Amashumi	Imivo
	
I ishumi	I2 imivo
I 0	I 0 2

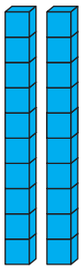
Sineshumi elinye



Sinemivo elishumi elinesibini

Siza kubeka ishumi lemivo eqeleni

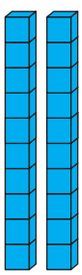
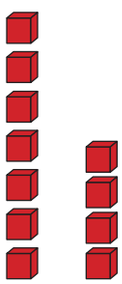
Ngoku sinenye indlela yokubonisa ama-22.

Amashumi	Imivo
	
2 amashumi	2 imivo
2 2	

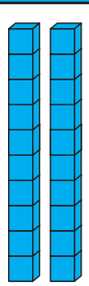
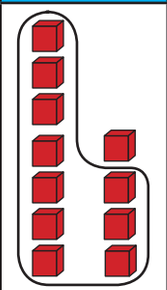
Masidibanise 27 + 4

Siza kuqala ngeebloko ezibhulowu ze songeze ezibomvu.

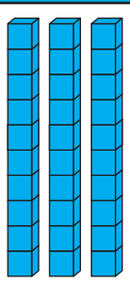
U-27 ngamashumi amabini nemivo esi-7. Emva koko songeza u-4 ngaphezulu kwimivo.

Amashumi	Imivo
	
2 amashumi	7 imivo
	+ 4 imivo
2 0	7 4

Sinamashumi ama-2 nemivo eli-II.

Amashumi	Imivo
	
Sinokubonisa imivo eli-10 njengeshumi elinye.	
2 0 1 0	1

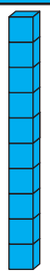
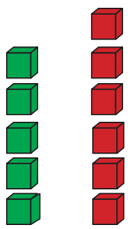
Ngoku sinamashumi ama-3 nomvo o-1

Amashumi	Imivo
	
___ + ___ = ___	
3 1	

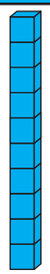
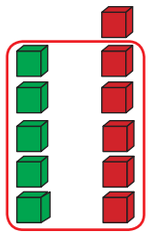
XHO NUM G3 B1 9781431500062.indb 40 2014/05/08 9:34 AM



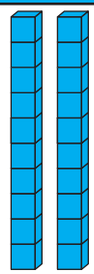
Bhala isivakalisi senani esiboniswa ngumfanekiso

Amashumi	Imivo
	

10 + 5 + 6

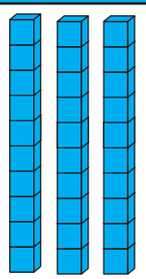
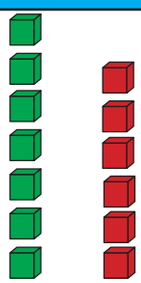
Amashumi	Imivo
	

____ + ____ + ____

Amashumi	Imivo
	

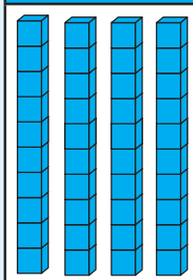
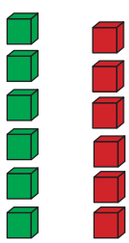
____ + ____ = ____

Gqibezela umfanekiso. Bhala izivakalisi zamanani eziboniswa ngumfanekiso.

Amashumi	Imivo
	

Amashumi	Imivo

Amashumi	Imivo

Amashumi	Imivo
	

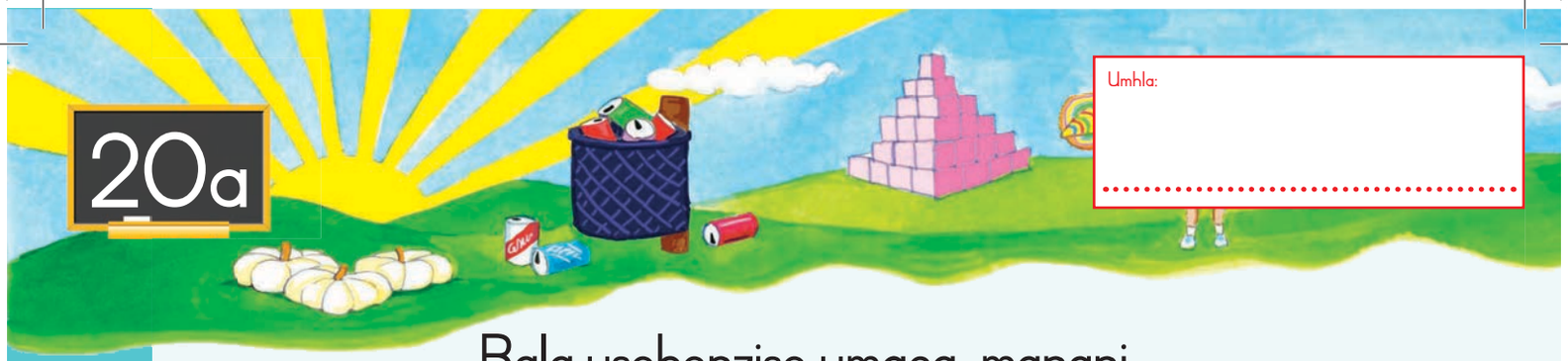
Amashumi	Imivo

Amashumi	Imivo

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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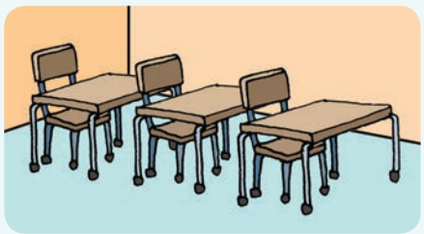


20a

Umhla:

Bala usebenzise umgca-manani

Hlala edesikeni!

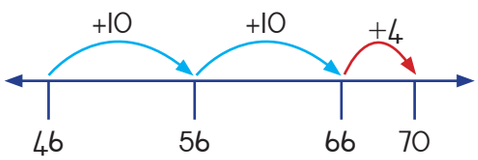


Kwisikolo sethu umfundi ngamnye unedesika yakhe.
Kukho abafundi abangama-46 kwiBanga 3A nama-24 kwiBanga 3B. Zingaphi iidesika ezifunekayo kwiiklasi zombini?

Sebenza nogxa wakho

Jonga ukuba aba bafundi bathathu bawusebenzise njani umgca manani ukubala beze nempendulo eyiyo. Gqibezela isam usebenzise umzekelo ukuncede.





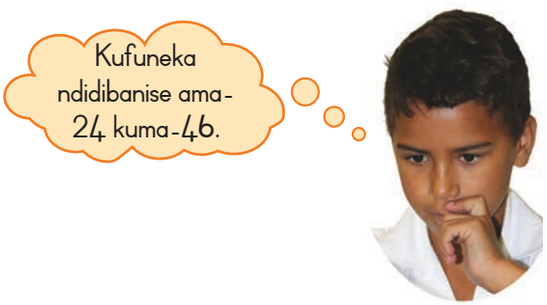
Ndenza ngolu hlobo: Kuqala ndongeza i-10. Oku kundifikisa kuma-56. Emva koko nditsiba elinye i-10 ukuya kufika kuma-66. Okokugqibela, nditsiba isi-4 ngaphezulu ndiyokufika kuma-70.

$= 46 + 10 + 10 + 4$

$= 56 + 10 + 4$

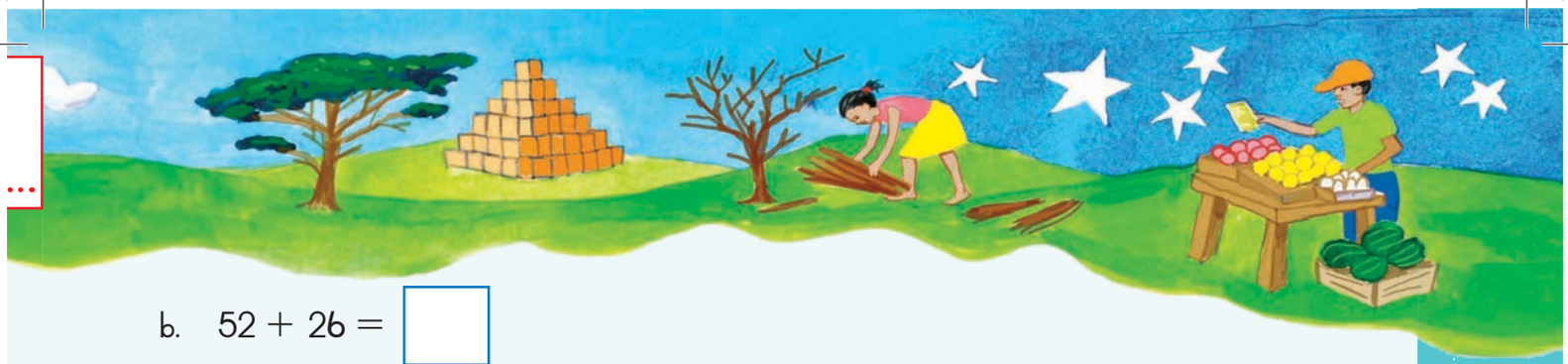
$= 66 + 4$

$= 70$



a. $32 + 25 =$ ☐

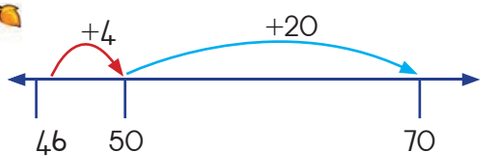
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b. $52 + 26 =$ ☐

c. $46 + 25 =$ ☐





Kufuneka ndidibanise ama-24 kuma-46.



Ndenza oku kuqala: ndiqala nditsibe ka-4. Oku kuya kundibeka kuma-50. Ndingatsiba ama-20 ngaphezulu ze oko kundibeke kuma-70.

Bonisa ngamakhadi amanani.

$= 40 + 10 + 20$

$= 50 + 20$

$= 70$

a. $36 + 41 =$ ☐

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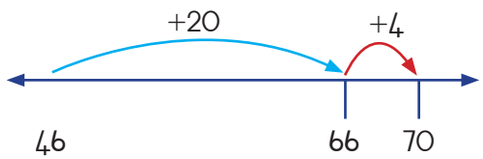
20b

Umhla:

Bala usebenzise umgca-manani (kusaqhutywa)

b. $57 + 19 =$ ☐





Kufuneka ndidibanise ama-24 kuma 46.



Ndenza oku: Ndisuka kuma-46 nditsibe ama-20. Oko kundibeka kuma-66. Ngoku kufuneka nditsibe imitsi emi-4 ngaphezulu ze ndifike kuma-70.

$= 46 + 20 + 4$

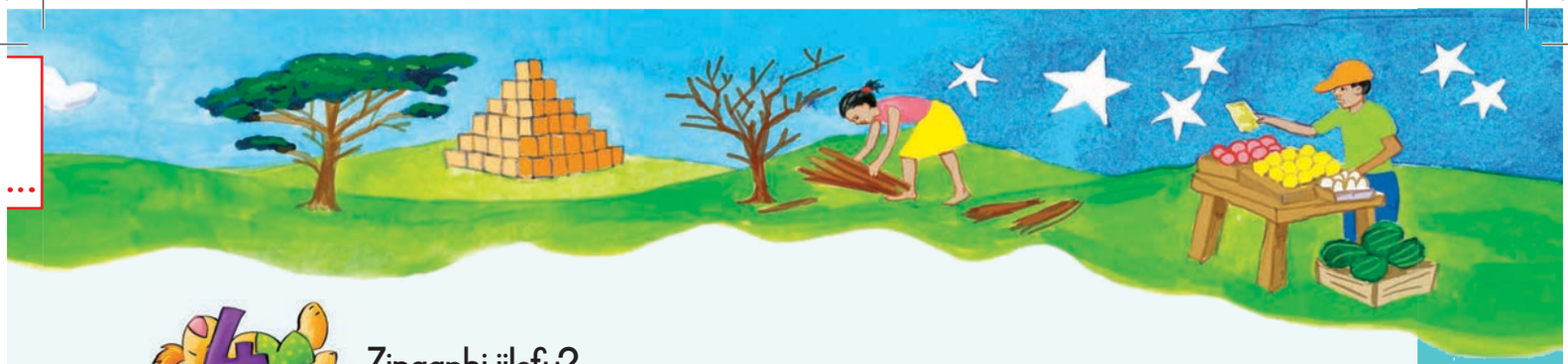
$= 66 + 4$

$= 70$

a. $63 + 24 =$ ☐

b. $65 + 29 =$ ☐

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Zingaphi iilofu?

Umbhaki uhambisa iilofu  ezibhrawuni ezingama-54  kunye nezimhlophe ezingama-68.

a. Zingaphi iilofu zesonka zizonke?

b. Fumana isiphumo kumgca-manani. Bonisa amanani kunye nobukhulu bemitsi.

Dibanisa oku kulandelayo ungawusebenzisi umgca-manani.
Sebenzisa nayiphi na indlela oyithandayo.

38 + 24 =

58 + 17 =

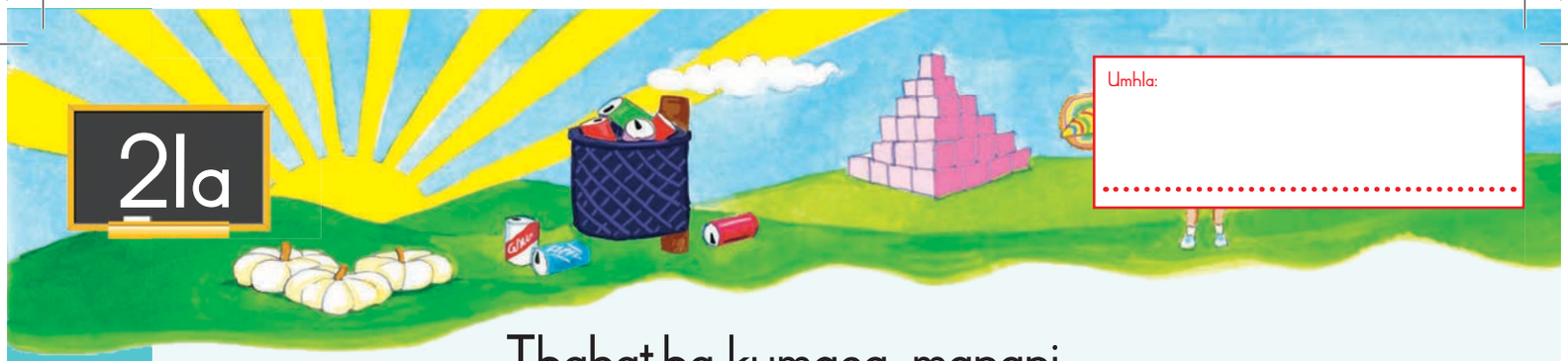
75 + 16 =

83 + 29 =

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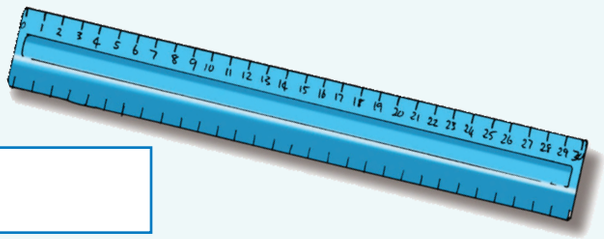


Umhla:

21a

Thabatha kumgca-manani

Umfundi omnye! Irula enye!



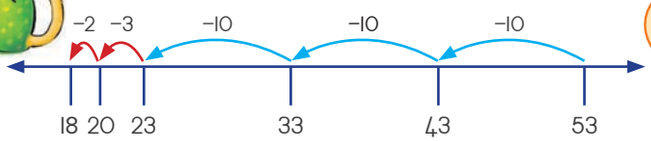
Iklasi ifuna iirula ezingama-53. Kukho ezingama-35.

Kufuneka ezingaphi ukuze ziphelele? 53 – 35 =

Sebenza nogxa wakho

Funda ukuba ngaba abafundi abathathu bawusebenzisa njani umgca-manani apha. Qaqa isibalo usebenzise umgca-manani.





Ndithabathe ama-35 kuma-53. Ukuthabatha kuthetha ukususa into kwenye.



Ngoku, ndiza kuqala kuma-53 ndithabathe. Ndiza kuthabatha i-10, 10, 10 – oko kundibeka kuma-23. Ngoku ukuze ndithabathe isihlanu, kuqala ndithabatha ezi-3, ndifike kuma-20. Ndithabatha ezi-2 ngaphezulu ndize ndifike kwi-18.
Ngoko ke kufuneka iirula ezili-18.

= 53 – 10 – 10 – 10 – 3 – 2

= 43 – 10 – 10 – 3 – 2

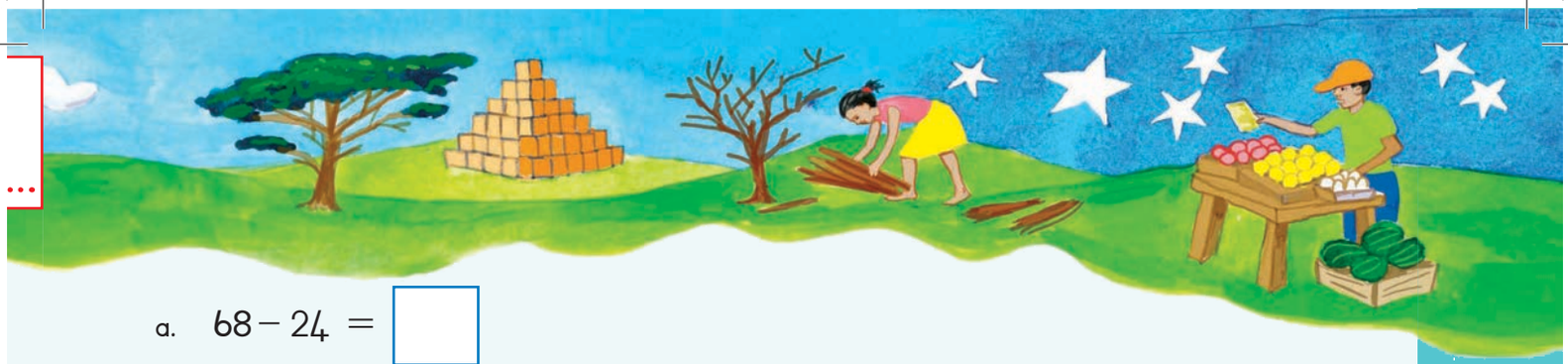
= 33 – 10 – 3 – 2

= 23 – 3 – 2

= 20 – 2

= 18

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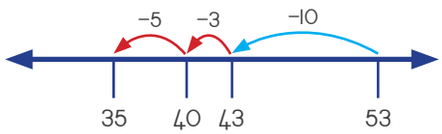


a. $68 - 24 =$ ☐

b. $74 - 38 =$ ☐

c. $92 - 87 =$ ☐





Ukuthabatha kuthetha ukufumana umahluko phakathi kwama-53 nama-35.



Ndiza kuqala kuma-53 ndibale ndiye kufika kuma-35 ukufumana umahluko. Xa ndibala ndibuya umva nge-10, ndifumana ama-43. Ndinokubala ndiye emva ngokongeza ezi-3 ukuya kuma-40. Emva koko ndibale ukuhla ngokongeza isi-5 ukuya kufika kuma-35. I-10 lidibanise nesi-3 nesihlanu li-18. Ngoko ke kufuneka sifumane iirula ezongeziweyo ezili-18.

a. $38 - 14 =$ ☐

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21b

Umhla: .....

Thabatha kumgca-manani (kusaqhutywa)

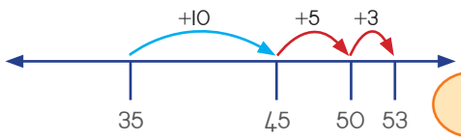
Ikota yoku-1

b. 65 – 43 = ☐

c. 72 – 39 = ☐

d. 85 – 48 = ☐





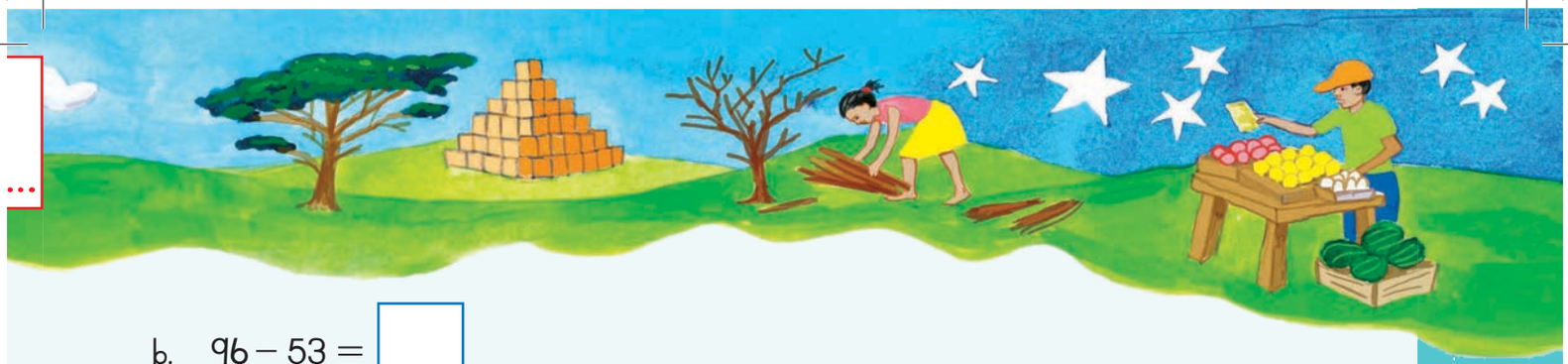
Ndingaqala ngama-35 ndize ndibone ukuba yimitsi emingaphi ukuya kufika kuma-53.



Ndinokuqala ngama-35 ndize ndibone ukuba mingaphi imitsi endiyithathayo ukubala ndiye kufika kuma-53. Ishumi olidibanise nezintlanu kunye nezintathu li-18. Kufuneka kongezwe iirula ezili-18.

a. 84 – 32 = ☐

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b. $96 - 53 =$ ☐

c. $78 - 19 =$ ☐

d. $63 - 47 =$ ☐

Uhambo ngetekisi



Ukuya edolophini ngetekisi ngama-65km.

Okwangoku itekisi ihambe ama-38km.

Kusafuneka ihambe kangakanani?

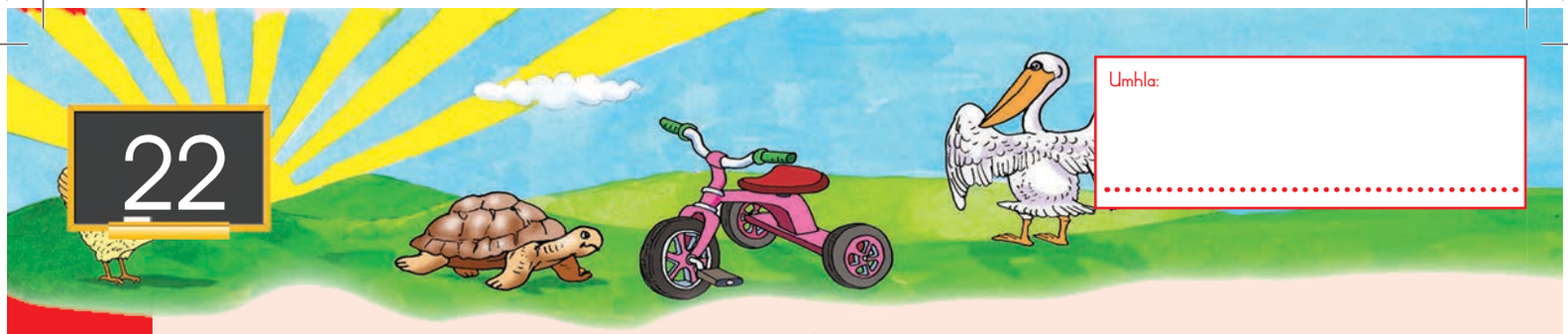
Sebenzisa umgca-manani ukusombulula le ngxaki.

km

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22

Umhla:

Lixesha lepati



Isicwangciso sokuqala!

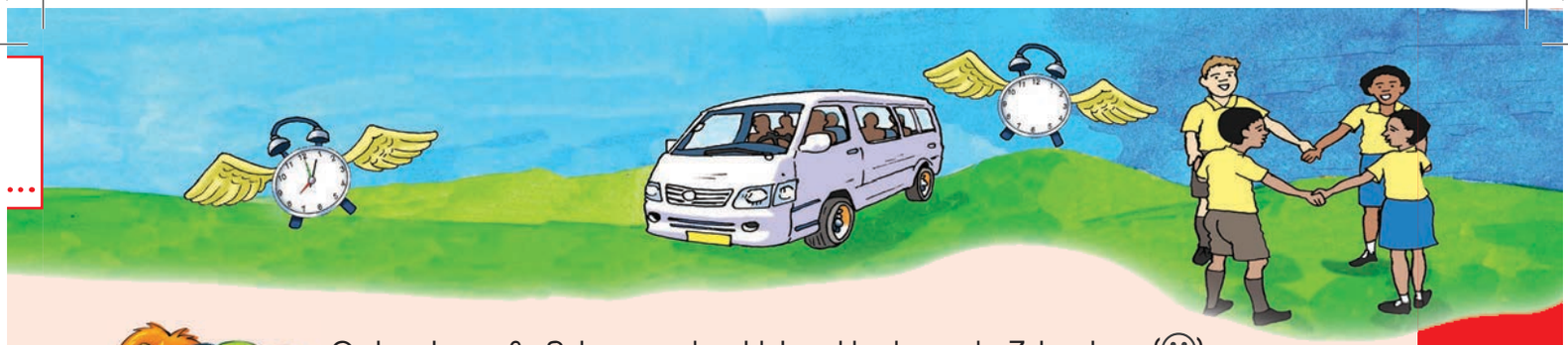
UBusi ucela bonke abahlobo bakhe ukuba bafote okona kutya bakuthandayo kwepati. Uqokelele oku. Mncedise akuhlele.



Bala, uze ubhale ukuba bangaphi na abahlobo abakhethe udidi ngalunye lokutya.

				
Inani				

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Gqibezela igrafu. Sebenzisa itheyibhile yakho ikuncede. Zoba ubuso (☺) kumntwana ngamnye okhetha olo hlobo lokutya okanye lwesiselo.

☺			
☺			
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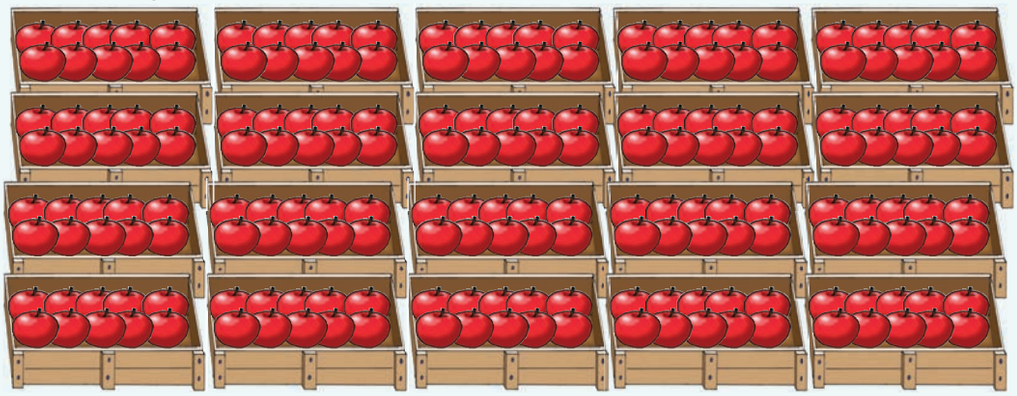


Umhla:

Ukubala uyokufika kuma-200



Bala ama-apile.



Fakela amanani

Ibhokisi e-1 inama-apile a ☐, umqolo o-1 unama-apile a ☐

Umqolo o-1 uneebhokisi ezi ☐, imiqolo emi-4 inama-apile a ☐



Mangaphi ama-apile esinokuwapakisha kwezi bhokisi?

a.  ☐

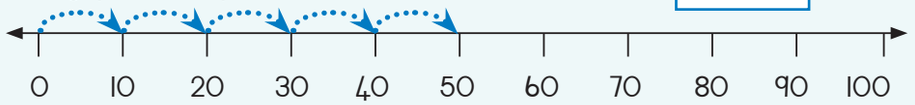
b.  ☐

c.  ☐

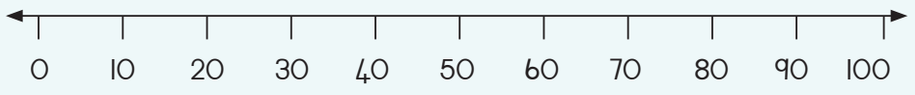


Bala kumgca-manani.

a. Mangaphi ama-apile aza kuba sezibhokisini ezintlanu? ☐

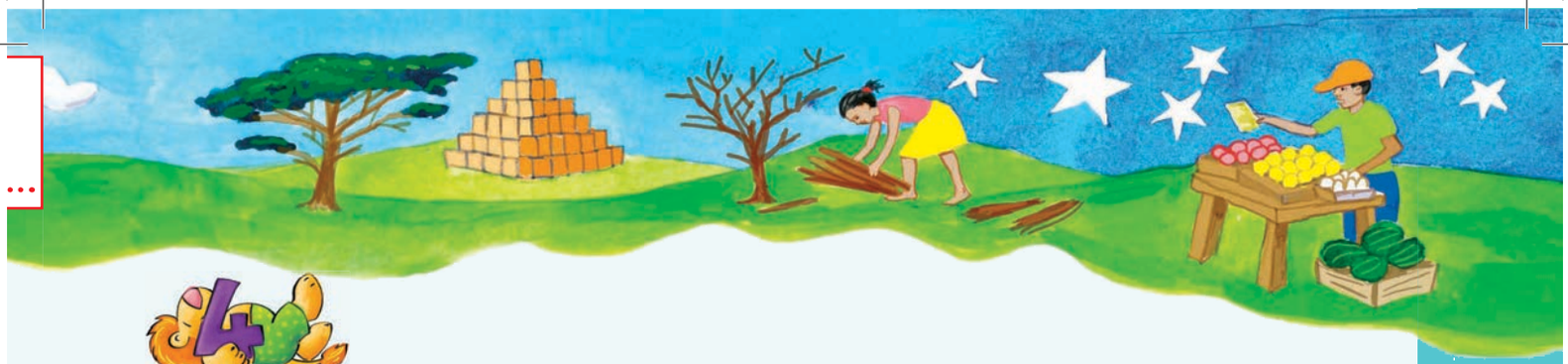


b. Mangaphi ama-apile aza kuba sezibhokisini ezisixhenxe? ☐



1 2 3 4 5 6 7 8 9 10

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Iziqhuma ezi-3 ze-10 zenza – 3 0 $3 \times 10 =$ 3 0 okanye $10 \times 3 =$ 3 0

iziqhuma ezi-5 ze-10 zenza ____ × ____ = ____ okanye ____ × ____ = ____

iziqhuma ezi-2 ze-10 zenza ____ × ____ = ____ okanye ____ × ____ = ____

Izibini ezi-5 zeenyawo.
Zingaphi iinzwane zizonke?



$10 + 10 + 10 + 10 + 10 =$ 5 0 $5 \times 10 =$ ____

okanye $10 \times 5 =$ ____

Bala nezi kwangolo hlobo.

Izibini ezi-4 zeenyawo. Zingaphi iinzwane?

____ = ____ ____ × ____ = ____ okanye ____ × ____ = ____

Izibini ezi-9 zeenyawo. Zingaphi iinzwane?

____ = ____ ____ × ____ = ____ okanye ____ × ____ = ____

Masibale ngama-10

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

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

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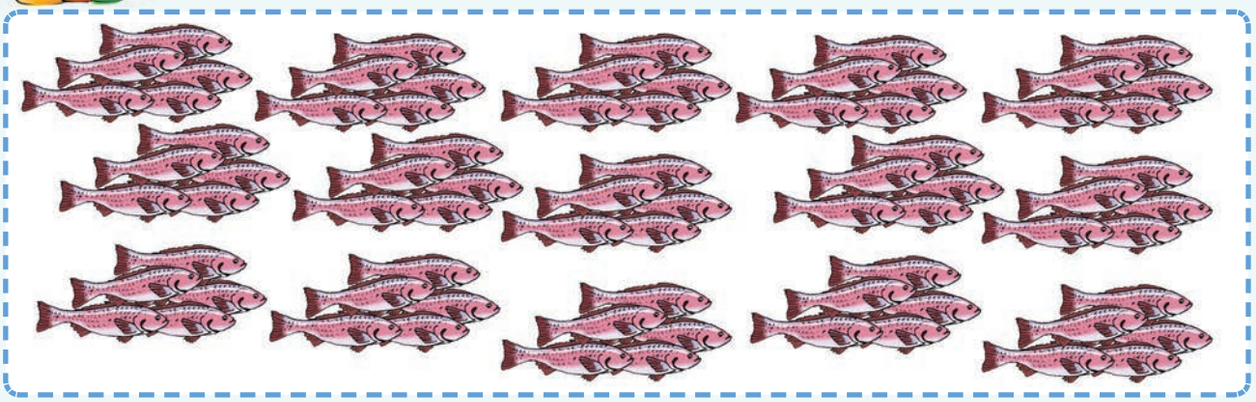
24

Umhla:

Ziqhelise ngezi-5



Zingaphi iintlanzi? Qikelela



Bala ke ngoku iintlanzi. Nika inani lazo zonke.



Bala ngezi-5

Fumana inani elipheleleyo lamaqanda entlanzi.

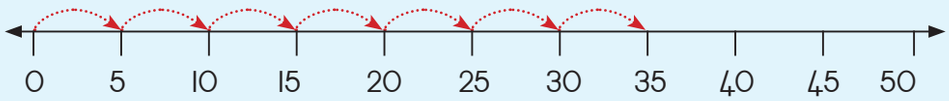
Bhala isivakalisi samanani soku-+ noku-×. Sikwenzele umzekelo wokuqala.

Iintlanzi namaqanda	Mangaphi amaqanda ewonke?	
Iintlanzi ezi-5, inye ibeka amaqanda ama-2	2 + 2 + 2 + 2 + 2 = 10	5 × 2 = 10
Iintlanzi ezi-5, inye ibeka amaqanda ali-10		
Iintlanzi ezi-5, inye ibeka amaqanda ama-4		
Iintlanzi ezi-5, inye ibeka amaqanda ama-3		
Iintlanzi ezi-5, inye ibeka amaqanda ama-6		
Iintlanzi ezi-5, inye ibeka amaqanda asi-8		
Iintlanzi ezi-5, inye ibeka amaqanda ama-5		

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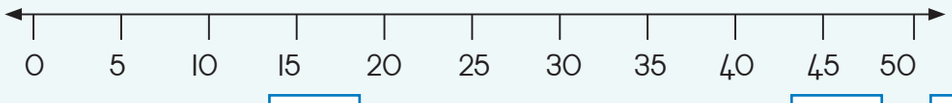


Gqibezela izivakalisi zamanani kunye nemigca-manani



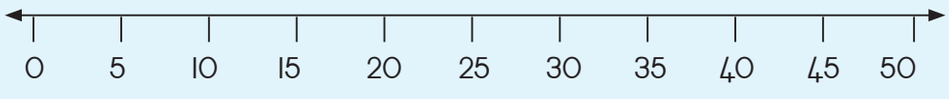
$5 + 5 + 5 + 5 + 5 + 5 + 5 =$ 35 okanye 7 × 5 = 35

a.



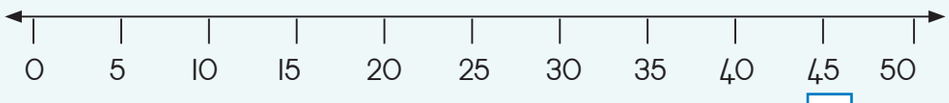
$5 + 5 + 5 + 5 =$ ☐ okanye ☐ × ☐ = ☐

b.



$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 =$ ☐ okanye ☐ × ☐ = ☐

c.



$_ + _ + _ + _ + _ + _ + _ + _ + _ + _ =$ ☐ okanye $10 \times 5 = 50$

Bamba intlanzi

USipho ubamba iintlanzi eziphakathi kwama-40 nama-50. Uzibala ngezi-2 aze ashiyekelwe yenye. ☐ Uzibala ngezi-5 aze ashiyekelwe zezi-2. ☐

Zingaphi iintlanzi ezibanjwe nguSipho.

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25a

Umhla: .....

Bala ngezi-2



Bala iikawusi



a. Zingaphi izibini zekawusi? _____

b. Zingaphi iikawusi ezikhoyo? _____

c. Zikhona iikawusi ezishiyekileyo? _____

1 2 3 4 5 6 7 8 9 10

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Masibale izibini zeekawusi

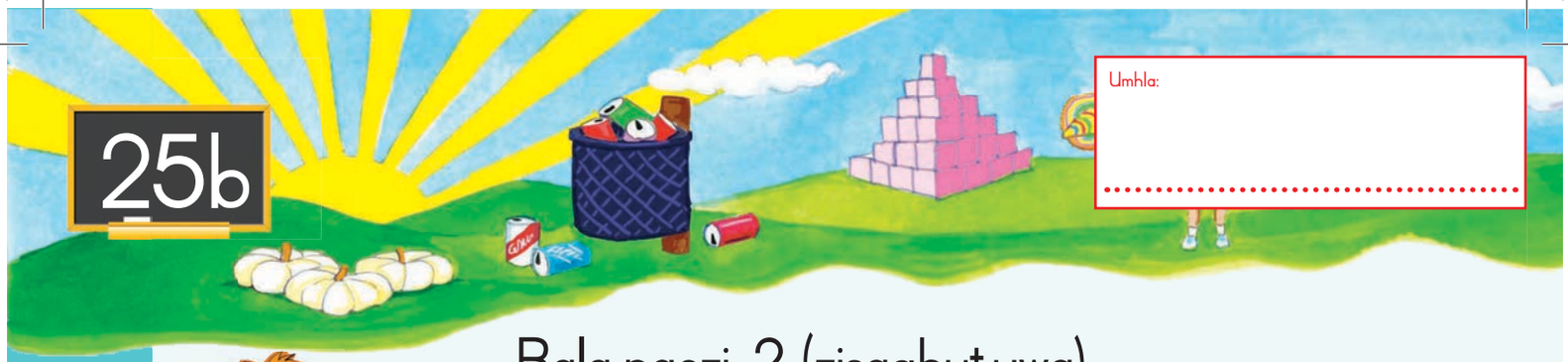
Bhala inani lezibini zeekawusi ezikhoyo, utsho ukuba ingaba zikhona na ezishiyekileyo.

Iikawusi	Inani lezibini	Inani leekawusi	Iikawusi ezingenamati ezishiyekileyo
			
			
			
			
			



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Umhla:

25b

Ikota yoku-1

Bala ngezi-2 (zisaqhutywa)



Ukwakha izibini

Bhala amanani angoonombini kunye nayiminqakathi ukusuka ku-1 uye kuma-60.

a. Bhala amanani angoonombini ukusuka ku-1 ukuya kuma-60.

2, 4, 6,

b. Bhala amanani ayiminqakathi ukusuka ku-1 ukuya kuma-60

3, 5, 7,



Iminqakathi noonombini

Yenza isangqa kumanani angoonombini.
Yenza isikwere kumanani ayiminqakathi.

64
46
81
121
32
38
207
40

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5 Ukusuka kwizibini ukuya ezikawusini

Umzekelo:

Iikawusi ezi-2 = Isibini esi-1 

$2 \times 1 = 2$

Iikawusi ezingama-20 = Izibini ezili-10

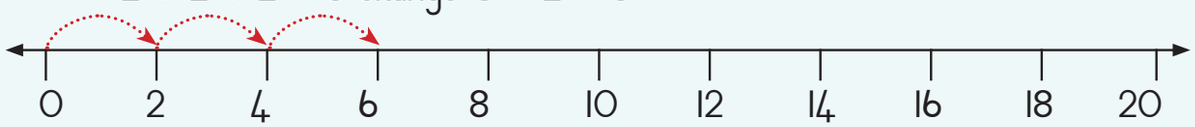
$2 \times 10 = 20$

a. Bhala inani leekawusi.

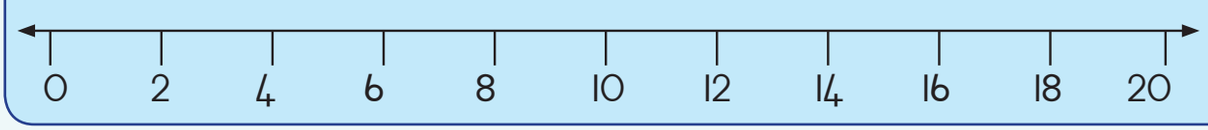
Cinga ngezi-2	Isivakalisi samanani
Isibini esi-1 = iikawusi ezi-2	2 × 1 = 2
Izibini ezi-2 = iikawusi ezi_____	2 × 2 =
Izibini ezi-4 = iikawusi ezi_____	
Izibini ezi-8 = iikawusi ezi_____	
Izibini ezili-9 = iikawusi ezi_____	

b. Bonisa isiphumo kumgca-manani uze ugqibezele.
Umzekelo:

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



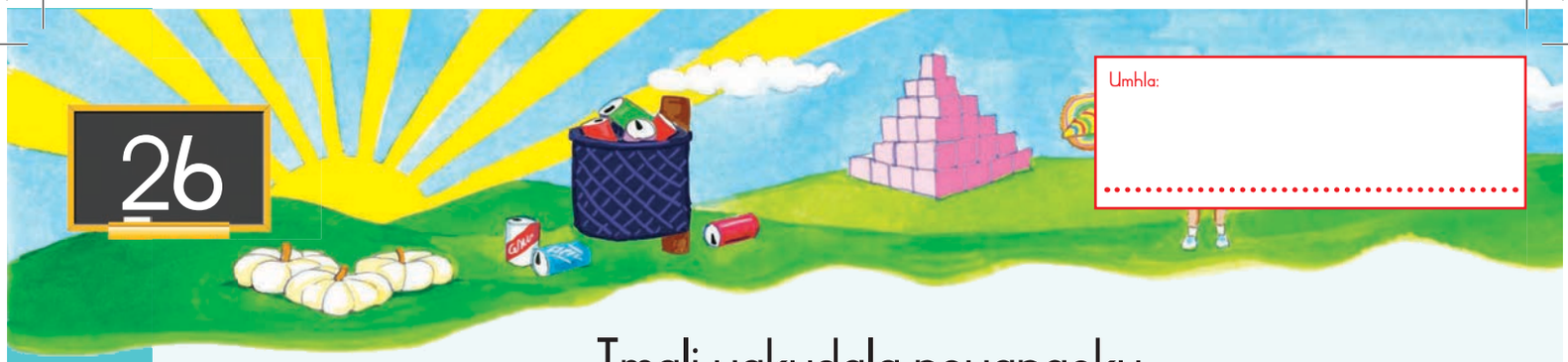
$2 + 2 + 2 + 2 + 2 + 2 + 2 =$ ☐ okanye ☐ × ☐ = ☐



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Imali yakudala neyangoku



Ibali lemali yethu

EMzantsi Afrika sisebenzisa iirandi neesenti njengemali yethu.
Saqala ukusebenzisa iirandi neesenti ngonyaka ka-1961.

Ngezo ntsuku ingqekembe yesenti enye yayiyeyona incinane, ilandelwa yeyee-2c kwandule ukuza kweyee-5c.





1 2 3 4 5 6 7 8 9 10

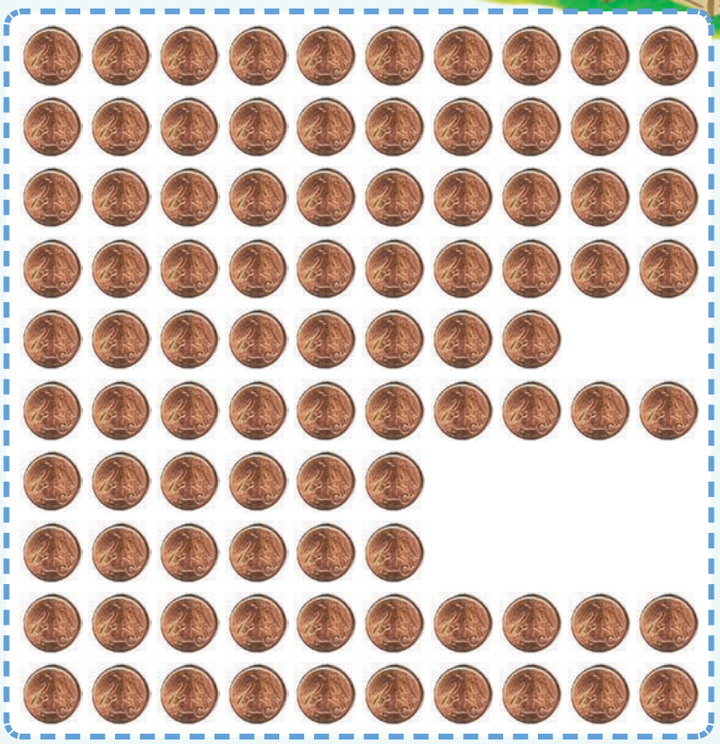
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Bala iisenti

Yenza irandi enye.



Zingaphi iisenti ezikhoyo?

Kusafuneka ezingaphi ukuze ukwazi ukwenza i-R1,00?

Zizobe.



Zingaphi iisenti?

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



Ndingathenga iziqhamo ezingakanani?

2  zixabisa i-R4,00.

2  axabisa i-R2,00.

Zingaphi iibhanana zama-R20,00?

Mangaphi ama-apile nge-R9,00?



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Umhla:

Bala ngezi-3



Amavili abalwa ngezi-3



Itrayisekile enye inamavili ama_____.



Itrayisekile ezi-5 zinamavili ali _____.	3 + 3 + 3 + 3 + 3 = 5 × 3 = _____
Itrayisekile ezi-2 zinamavili ama_____.	3 + 3 = 2 × 3 = _____
Itrayisekile ezi-4 zinamavili ali _____.	
Itrayisekile ezi-6 zinamavili ali _____.	
Itrayisekile ezili-9 zinamavili angama _____.	
Itrayisekile ezisi-8 zinamavili angama_____.	



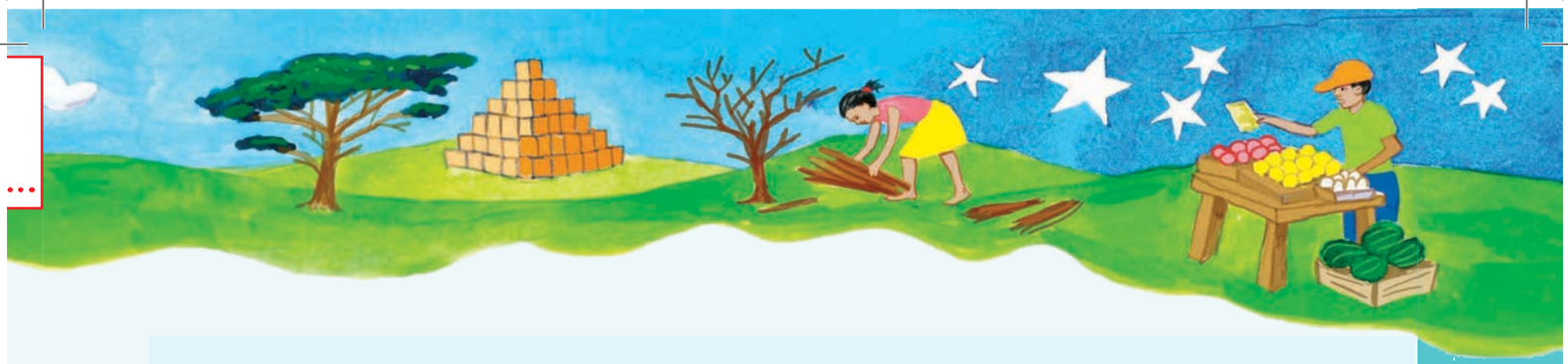
Imigca-manani

Jonga umzekelo.

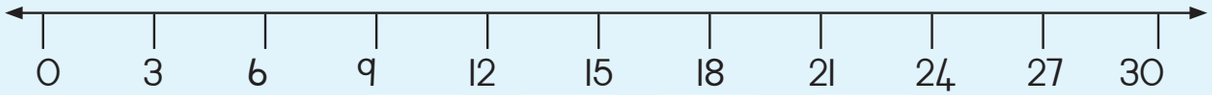


a. 3 + 3 + 3 + 3 = ☐ = 4 × 3 = ☐

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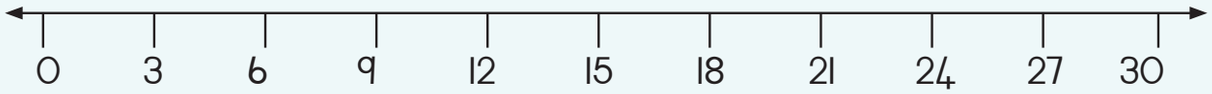


b.



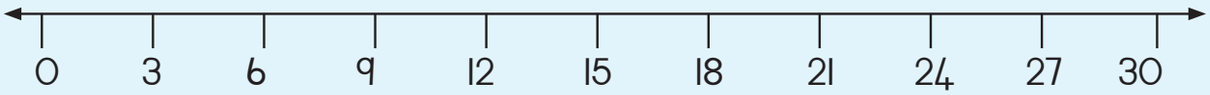
$3 + 3 + 3 + 3 + 3 = \square = \square \times \square = \square$

c.



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

d.



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



Iibhayisekile kunye neetrayisekile





UBusi ubala amavili eebhayisekile naweetrayisekile evenkileni yazo:

Ewonke la mavili ali-14.

Zingaphi iibhayisekile ezikhoyo? _____
Zingaphi iitrayisekile ezikhoyo? _____



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28

Umhla:

Ziintoni izinto ezinezi-4?



Imilenze emine

Amanani aphindaphindwe ngesi-4 ...
4 + 4 = 8; 2 × 4 = 8



Iinkomo zinemilenze emine.

Zeziphi ezinye izinto eziza zinenani elingu-4? _____



Bala imilenze

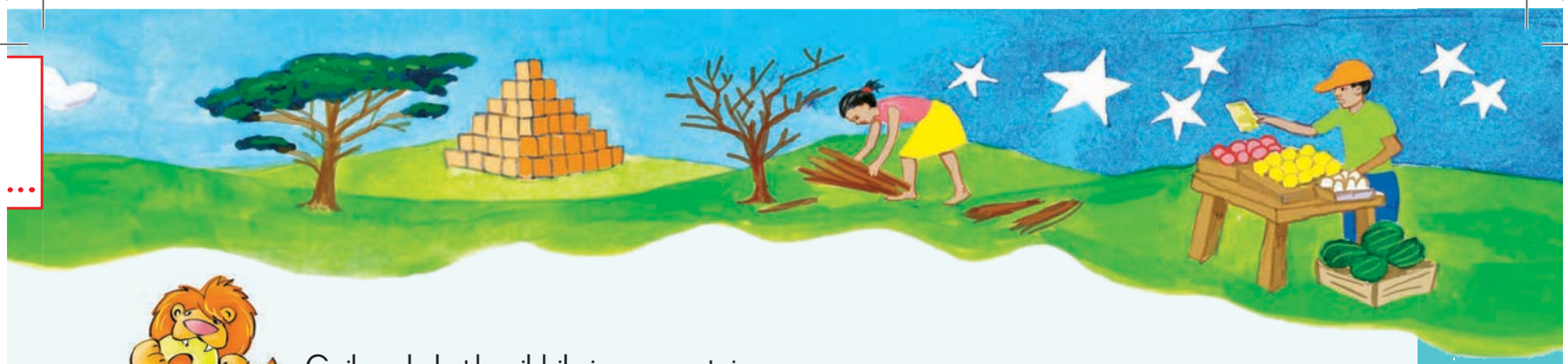
Ncokolani ngeempendulo.
Cacisa ukuba wenze ntoni.

Sebenzisa iinyaniso ozaziyo ngezi-4 uphendule le mibuzo.

inkomo e-1  4 imilenze	iinkomo ezi-2  8 imilenze
iinkomo ezi-3  imilenze	iinkomo ezi-4  imilenze
iinkomo ezi-5  imilenze	iinkomo ezi-6  imilenze
iinkomo ezi-7  imilenze	iinkomo ezisi-8  imilenze
iinkomo ezili-9  imilenze	iinkomo ezili-10  imilenze

1 2 3 4 5 6 7 8 9 10

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Gqibezela le theyibhile ingasezantsi.
Sebenzisa umzekelo owunikiweyo ukuncede.

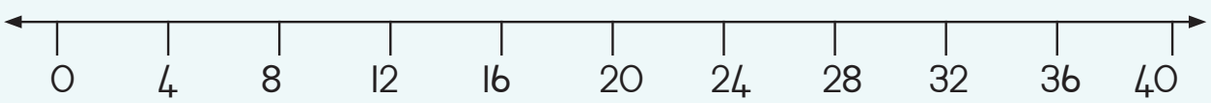
Iinkomo ezi-3 zinemilenze e_____	$4 + 4 + 4 = 3 \times 4 =$ 12
Iinkomo ezi-5 zinemilenze e_____	
Iinkomo ezi-4 zinemilenze e_____	
Iinkomo ezisi-7 zinemilenze e_____	
Iinkomo ezisi-8 zinemilenze e_____	



Imigca-manani

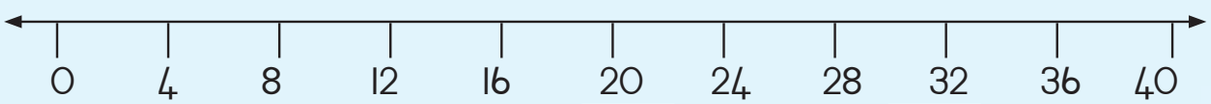
Bonisa isibalo sophinda-phindo kumgca-manani uze uwugqibezele ngokusebenzisa imitsi.

a.



_____ = ☐ = $5 \times 4 =$ ☐

b.

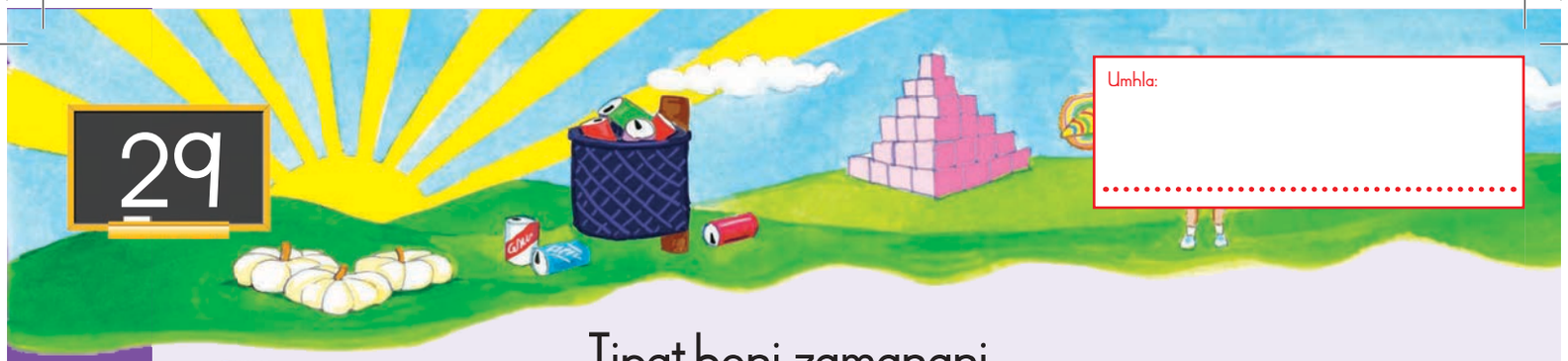


_____ = ☐ = $9 \times 4 =$ ☐



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29

Umhla:

Iipatheni zamanani



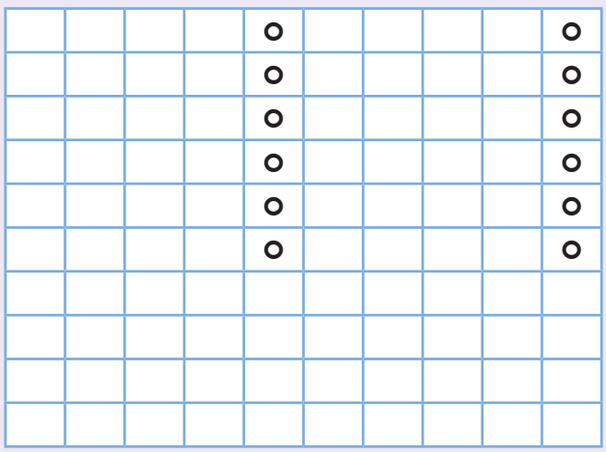
Igridi yeepatheni

Yeyiphi ipatheni yamanani eboniswa zizangqa kwigridi nganye ye-100?

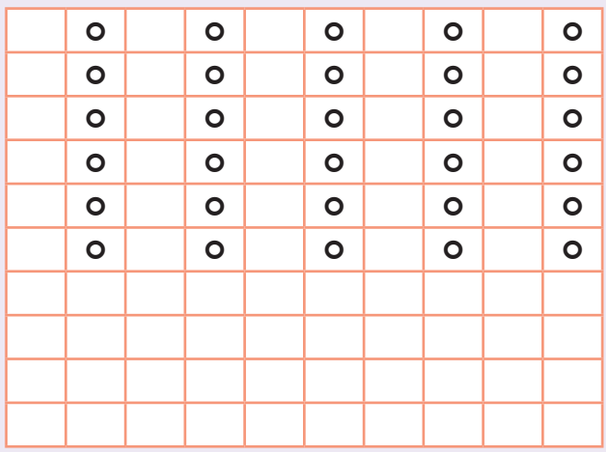
Zoba ezinye izangqa ugqibezele ipatheni nganye.

Thiya ipatheni nganye igama.

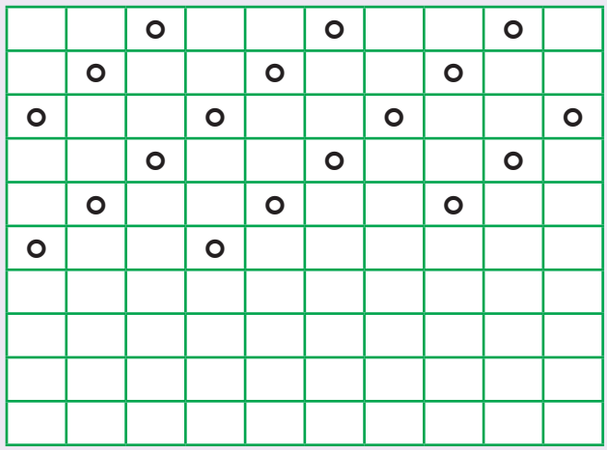
a. Ipatheni: _____



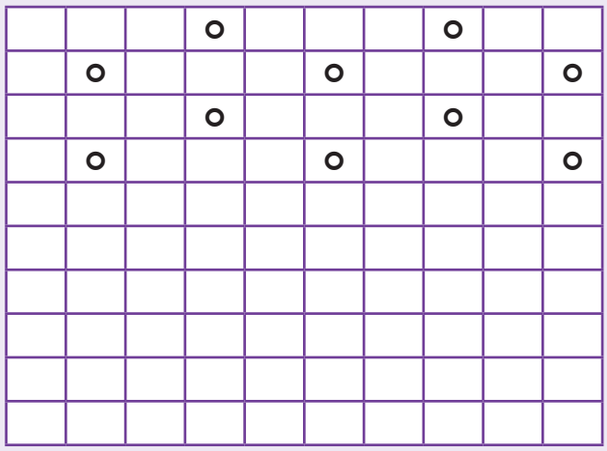
b. Ipatheni: _____



c. Ipatheni: _____



d. Ipatheni: _____



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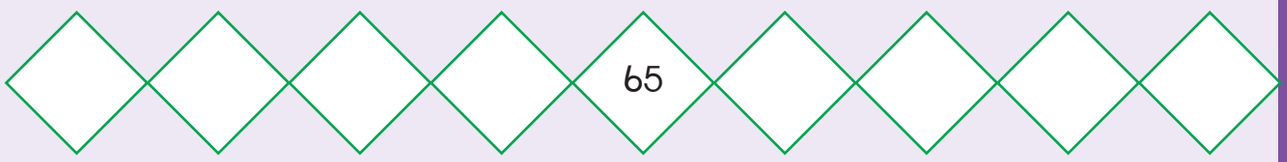


Zenzele ezakho iipatheni

a. Kule patheni yamanani onke amanani angoonombini. Amanye amanani ayintoni? Wabhale phantsi.



b. Kule patheni yamanani onke amanani ayiminqakathi. Amanye amanani ayintoni? Wabhale phantsi.





Zingena phi?

48 32 12 36 40 84 45

90 80 15 24 72 150 75

Ipatheni yezi-3 nezi-4	Ipatheni yezi-3 nezi-5	Ipatheni yezi-4 nezi-5
umzekelo 48		



Elwandle



UThembi uqokelela amagobhoza oonokrwece aphakathi kwama-60 nama-70. Xa ewabala ngezi-3, kushiyeka elinye. Isenokuba ngala manani: 61, _____, _____, 70. Xa ebala ngezi-5 kushiyeka ama-4.

Isenokuba ngala manani: _____, _____.

Bangaphi oonokrewece anabo uThembi? _____.



11 12 13 14 15 16 17 18 19 20

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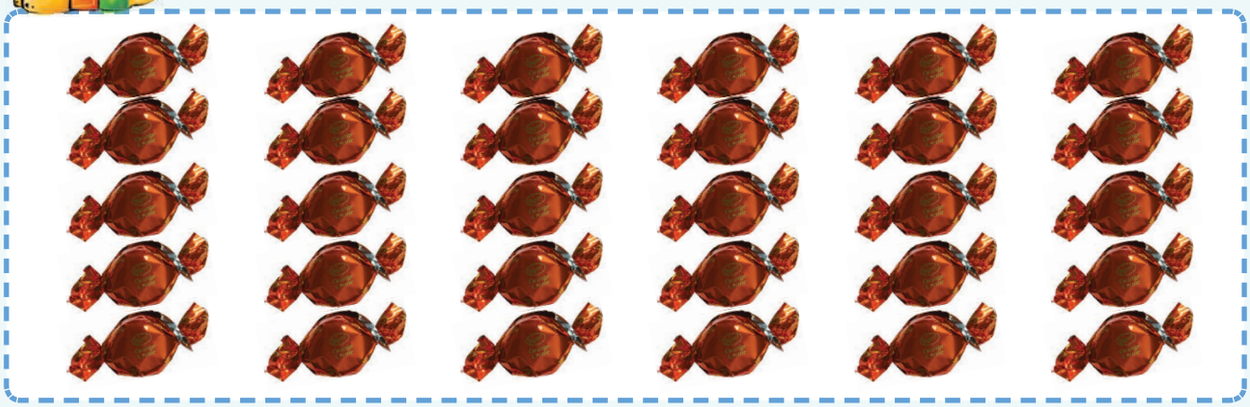
30a

Umhla:

Ukwahlula



Yaba iilekese:



a. Yabela abantwana aba-2 iilekese ezingama-30.



Oku singakubhala ngolu hlobo: 30 ÷ 2 = 15

b. Yaba ezi lekese phakathi kwabantwana aba-3.



÷ =

c. Yahlulela abantwana aba-5 iilekese

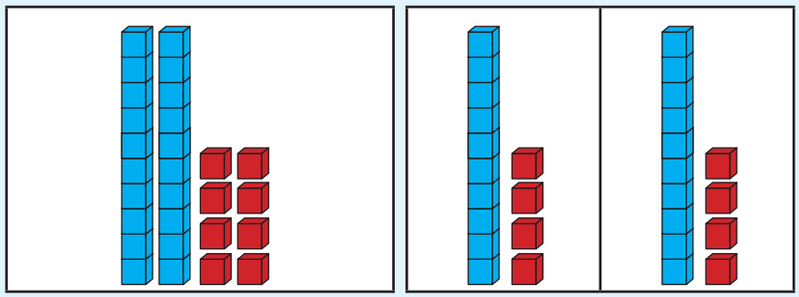


÷ =

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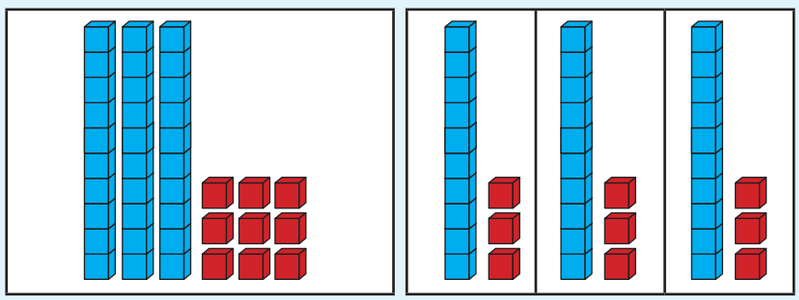
Singasebenzisa iibloko zamanani ukuze sikwazi ukwahlula.



$28 \div 2 = 14$

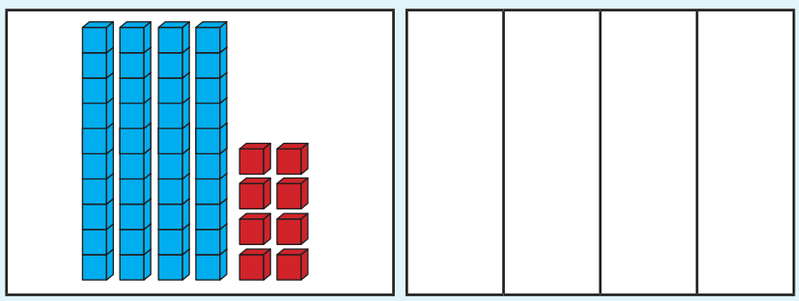
Ngoku yenza oku.

a.



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

b.



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

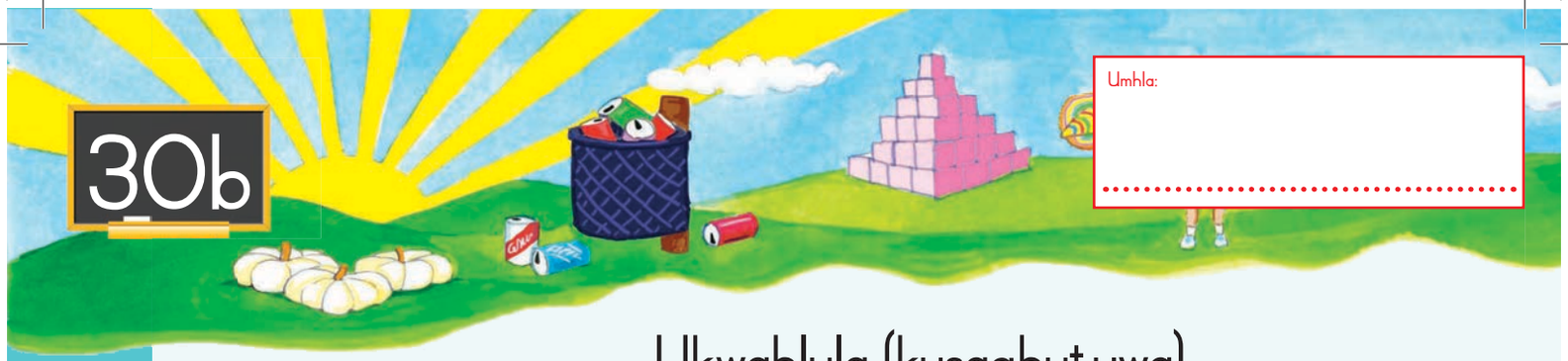
Teacher:

Sign:

Date:

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30b

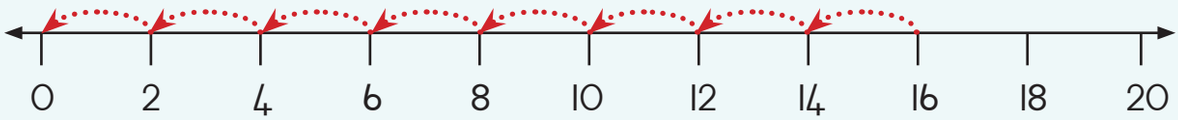
Umhla:

Ukwahlula (kusaqhutywa)



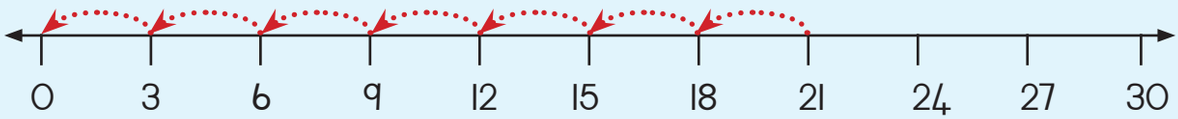
Sebenzisa imigca-manani ubhale isivakalisi-manani sokuthabatha nokwahlula.

Umzekelo:



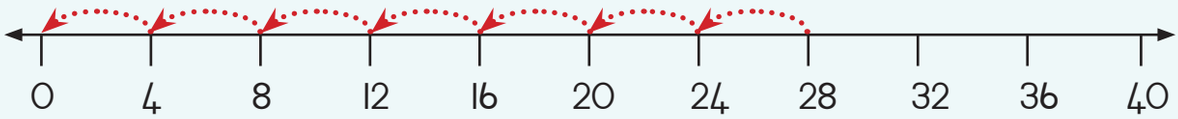
$16 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 = 0$

$16 \div 2 = 8$



21 – _____ = _____

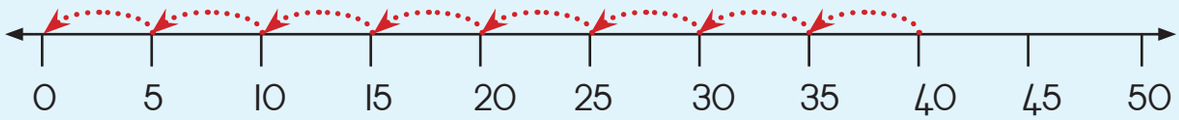
☐ ÷ ☐ =



28 – _____ = _____

☐ ÷ ☐ =

c.

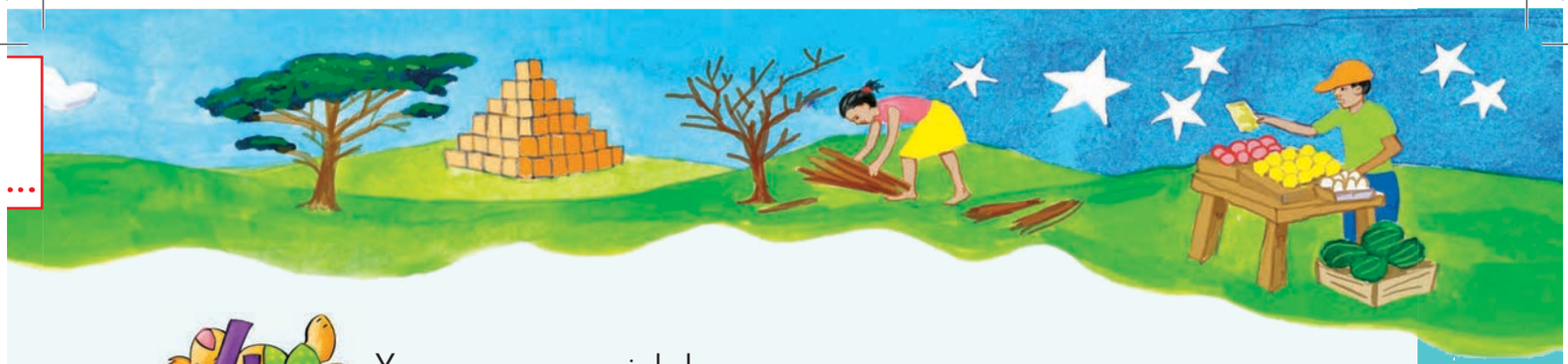


___ – _____ = _____

☐ ÷ ☐ =

1 2 3 4 5 6 7 8 9 10

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Yenza umgca-manani ubale.

a. 30 ÷ 5 =

b. 22 ÷ 2 =

c. 27 ÷ 3 =

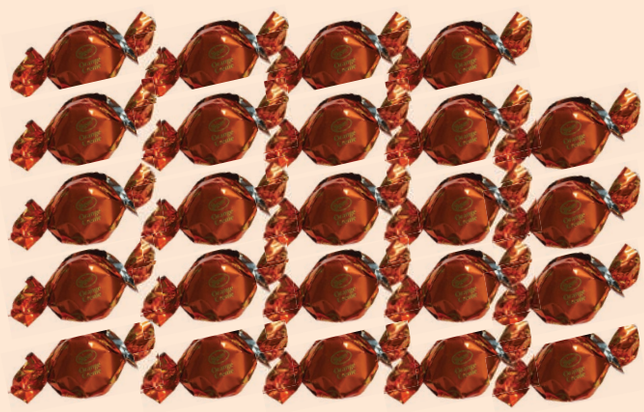
d. 32 ÷ 4 =

e. 25 ÷ 5 =

Umngeni

Bonisa zonke iindlela onokuzisebenzisa ukwahlula ngokulinganayo iilekese ezingama-24 phakathi kwamaqela ahlukeneyo abantwana.

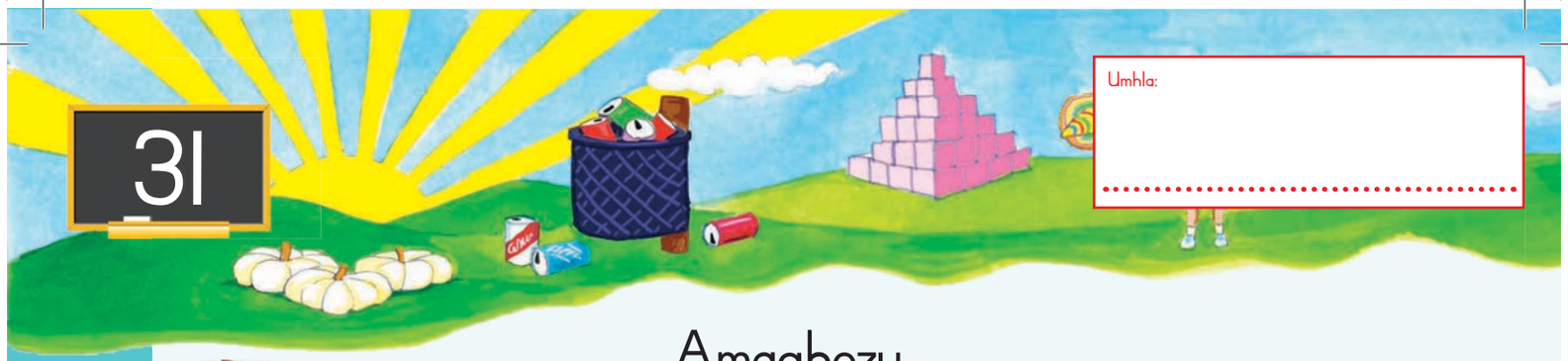
Bhala isivakalisi samanani ubonise impendulo yakho.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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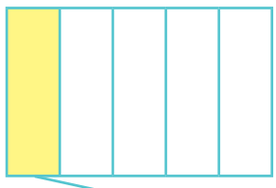


Umhla:

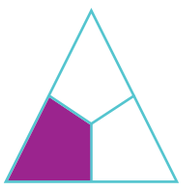
Amaqhezu



Krwela imigca ukuze utshatise imilo kunye neqhezu:



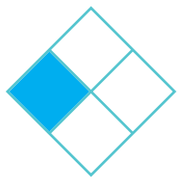
Isinye esithathwini $\frac{1}{3}$



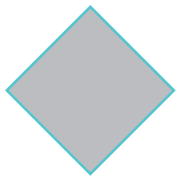
Isinye kwisihlanu $\frac{1}{5}$



Ikota $\frac{1}{4}$



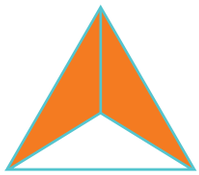
Isiqingatha $\frac{1}{2}$



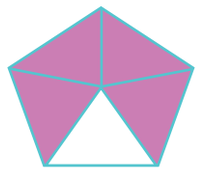
Iikota ezintathu $\frac{3}{4}$



Isine kwisihlanu $\frac{4}{5}$



Into enye epheleleyo 1

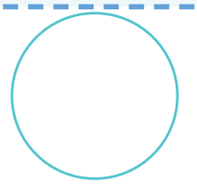


Isibini kwisithathu $\frac{2}{3}$

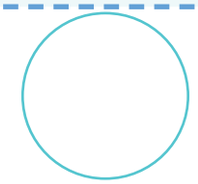
Yahlula ze ufake umbala



$\frac{1}{2}$ Isiqingatha



$\frac{1}{3}$ Isinye esithathwini



$\frac{1}{4}$ Ikota

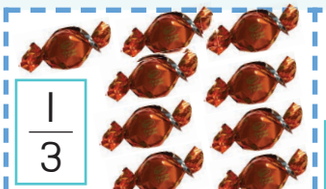


$\frac{1}{5}$ Isinye kwisihlanu

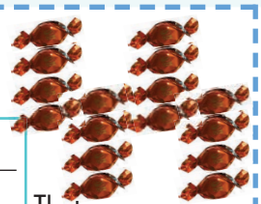
Bonisa iqhezu olinikiweyo leelekese:



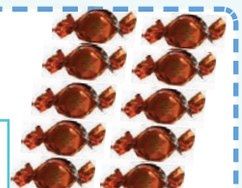
$\frac{1}{2}$ Isiqingatha



$\frac{1}{3}$ Isinye esithathwini



$\frac{1}{4}$ Ikota



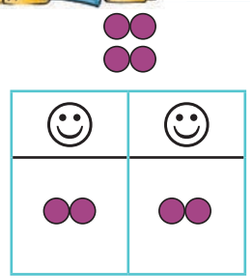
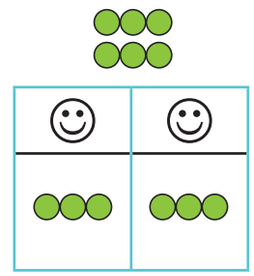
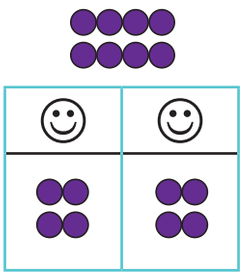
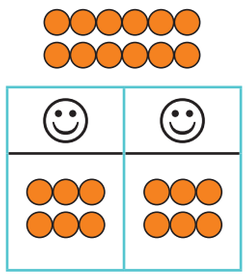
$\frac{1}{5}$ Isinye kwisihlanu

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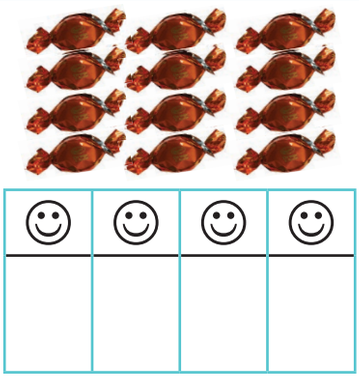
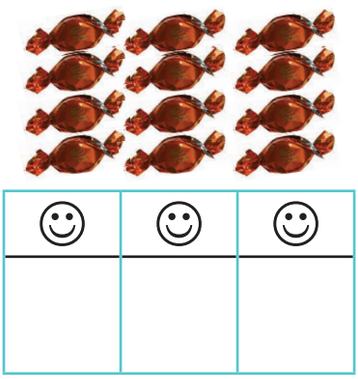


Yahlulela abantwana ababini izinto zokubala.

			
• Sifumene izibalisi ezi-2 emnye. Isiqingatha sezinto zokubala ezi-4 ngu-2.	• Sifumene izibalisi ezi-___ emnye. • ___ sezinto zokubala ___.	• Sifumene izibalisi ezi-___ emnye. • ___ sezinto zokubala ___.	• Sifumene izibalisi ezi-___ emnye. • ___ sezinto zokubala ___.
4 ÷ 2 = 2	___ ÷ ___ = ___	___ ÷ ___ = ___	___ ÷ ___ = ___



Yahlulela abantwana iilekese.

	
• ikota yeelekese • iikota ezimbini zeelekese = ___ • iikota ezintathu zeelekese = ___ • iikota ezine zeelekese = ___	• isithathu seelekese = _____ • izithathu ezibini zeelekese = ___ • izithathu ezithathu zeelekese = ___



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Umhla:

Malunga nexesha

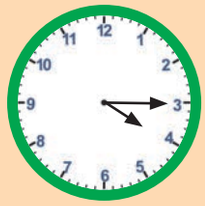


Iwotshi

Sinokubhala ixesha elifanayo ngeendlela ezahlukeneyo.

		
2:15 umkhono emva kwentsimbi yesibini	5:30 icala emva kwentsimbi yesihlanu	9:45 umkhono phambi kwentsimbi yeshumi

Bhala ixesha ngeendlela ezahlukeneyo.

		
_____ _____	_____ _____	_____ _____

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Ukugoduka

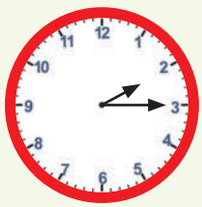
UThemba uthabatha ixesha elingakanani xa egoduka?

_____ imizuzu

_____ iiyure



UThemba uyasishiya isikolo.



UThemba ufika ekhaya.

Ixesha liyakhawuleza

Ixesha ngezi-2 ...



Mingaphi imizuzu kwiiyure ezi-2? _____

Zingaphi iiyure kwiintsuku ezi-2? _____

Zingaphi iintsuku kwiiveki ezi-2? _____

Zingaphi iinyanga kwiminyaka emi-2? _____

Zingaphi iintsuku?

Epreli

Mv	Lb	Lt	Ln	Lhl	Mgq	C
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					

Meyi

Mv	Lb	Lt	Ln	Lhl	Mgq	C
		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		

Juni

Mv	Lb	Lt	Ln	Lhl	Mgq	C
					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

Ngowama-27 kuEpreli luSuku lweNkululeko.
Ngowe-16 kuJuni luSuku loLutsha.

a. Ukusukela ngoSuku lweNkululeko ukuya kuSuku loLutsha zi_____ iinyanga ezipheleleyo, zi_____ iiveki ezipheleleyo ze zibe_____ iintsuku.

b. Zingaphi iiveki ezipheleleyo zizonke? _____
Zingaphi iintsuku ezishiyekileyo? _____. Zingaphi iintsuku zizonke?__.

c. Usuku lokuzalwa lukaLebo ziintsuku ezisi-7 phambi koSuku lweNkululeko. Usuku lokuzalwa lukaNtsasa ziintsuku ezimbini emva koSuku loLutsha.

Ngubani omdala? _____

Ngeentsuku ezingaphi? _____

Khangela. Thelekisa. Lungisa.

Teacher:
Sign:
Date:

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33

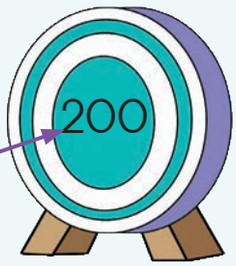
Umhla:

Ikota yesi-2

Bala ufike kuma-200



Bala amanani



Bala ukhwaze onke amanani asukela kwi-101 ukuya kuma-200.
Khomba njengokuba usiya phambili.



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



Bhala amanani

a. Bhala amanani ashiyelelweyo kwisikwere ngasinye esizuba.

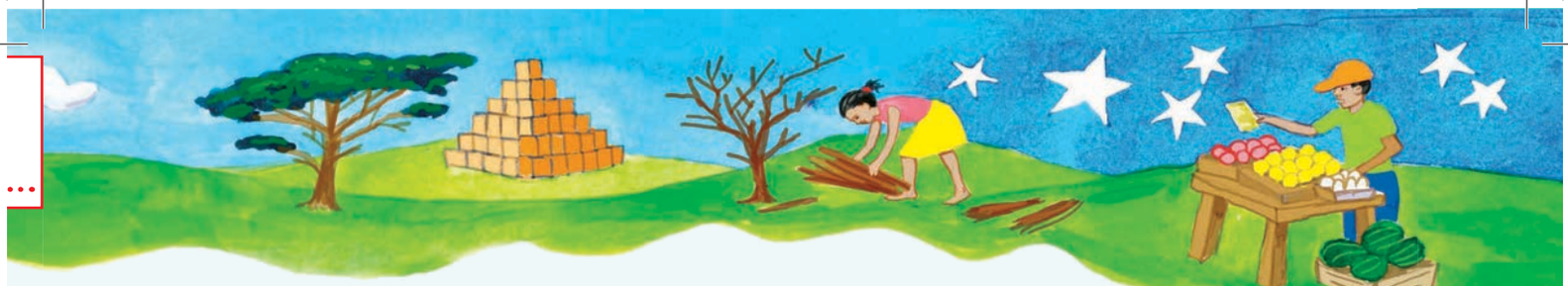
b. Bhala onke amanani aseleyo.

c. Bhala amanani alandelayo ali-10 aza emva kwama-200.

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

1 2 3 4 5 6 7 8 9 10

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Bhala amanani angekhoyo?

a.

200		180			
					110
50					
				0	

b.

87		107	
167			
		207	
			237

Gqibezela

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

Bhala amanani ngokulandelelana usuke kwelincinci uye kwelikhulu.

_____

_____

_____

_____

_____

Ukubala ukusuka kwi-100

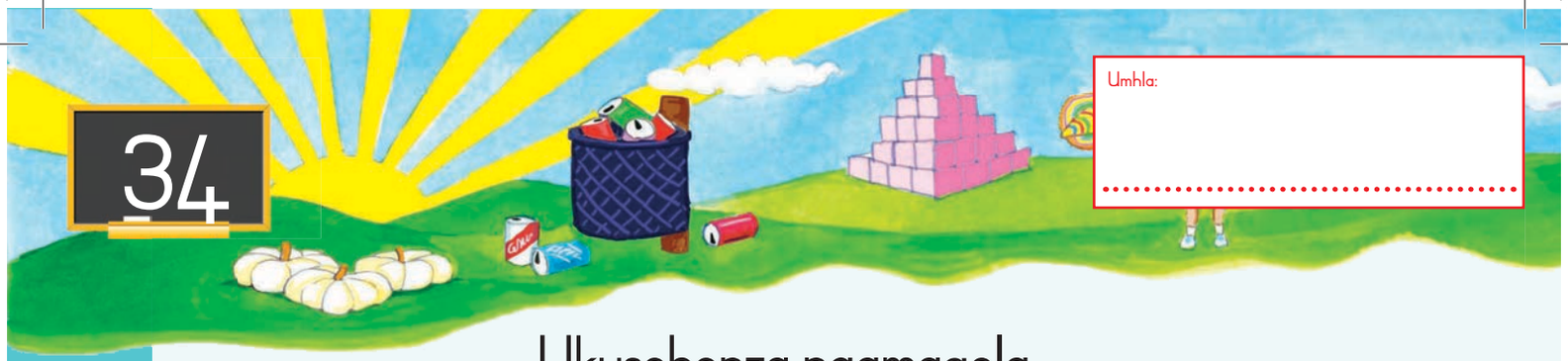
Bala ukuba kufuneka ntoni ukuze ufikelele kwinani elilandelayo.

Qala: 100 → +25 → 125 → ____ → 129 → ____ → 138 → ____ → 145 ← ____ ← 151 ← ____ ← 157 ← ____ ← 168 ← Gqiba

Teacher:
Sign:
Date:

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34

Umhla: .....

Ukusebenza ngamaqela amanani



Ukupakisha amakhandlela

UMaNkosi usebenza kumzi ovelisa amakhandlela.
Xa amakhandlela elungile, uwapakisha ngolu hlobo ezibhokisini aze azibeke kumathala ngamathala.



Mangaphi amakhandlela akwiibhokisi nganye? _____

Zingaphi iibhokisi kwithala ngalinye? _____

Mangaphi amakhandlela akwithala ngalinye? _____

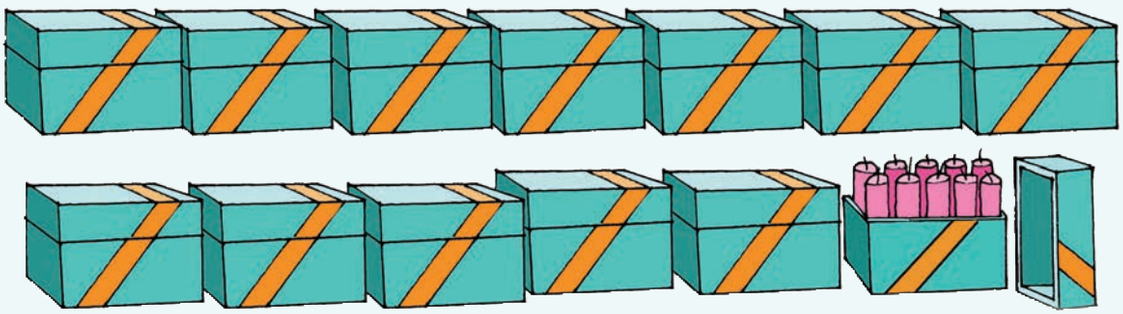
1 2 3 4 5 6 7 8 9 10

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Iibhokisi zamakhandlela

UMaNkosi uvala iibhokisi.



a. Bala zonke iibhokisi.

Zingaphi iibhokisi? _____
Mangaphi amakhandlela ewonke? _____
Kufuneka abe neebhokisi ezingaphi ngaphezulu ukuze abe namakhandlela angama-200? _____

b. Mangaphi amakhandlela kwii-:

bhokisi ezi-2? _____	bhokisi ezi-4? _____
bhokisi ezi-5? _____	bhokisi ezi-3? _____
bhokisi ezi-6? _____	bhokisi ezisi-7? _____

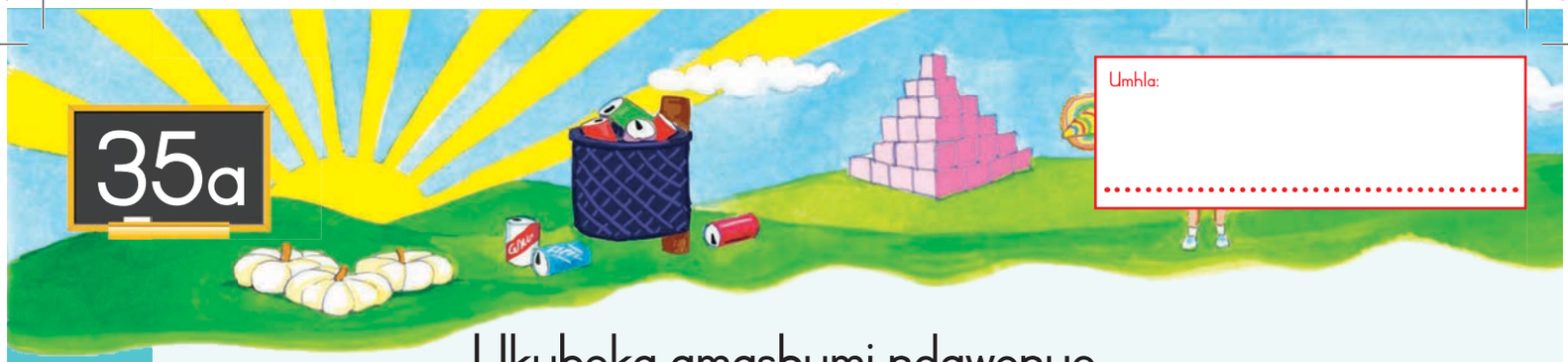
c. Zingaphi iibhokisi ekufuneka enazo:

40 _____ iibhokisi	70 _____ iibhokisi
50 _____ iibhokisi	30 _____ iibhokisi

Teacher:
Sign:
Date:

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35a

Umhla:

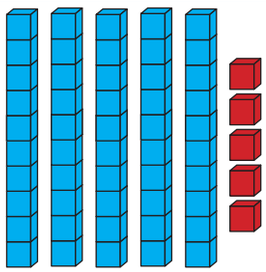
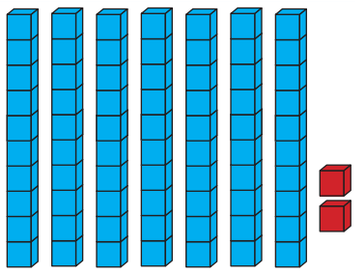
.....

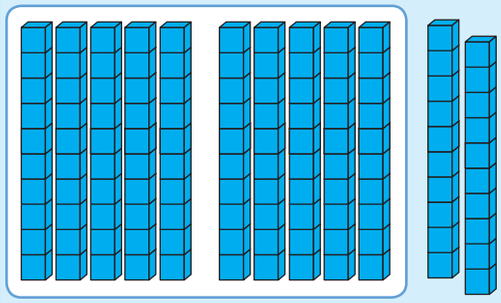
Ikota yesi-2

Ukubeka amashumi ndawonye nokuwacazululula



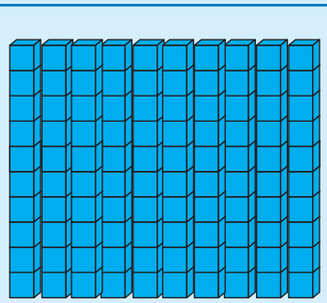
Ukubeka amashumi ndawonye xa sidibanisa siye kuma-999

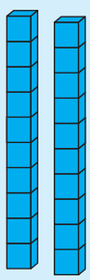
Masidibanise 56 + 73 =		+	
	Amashumi ama-5 nemivo emi-6		Amashumi asi-7 nemivo emi-3

100	10	1
		

Sisonke sinamashumi ali-12.

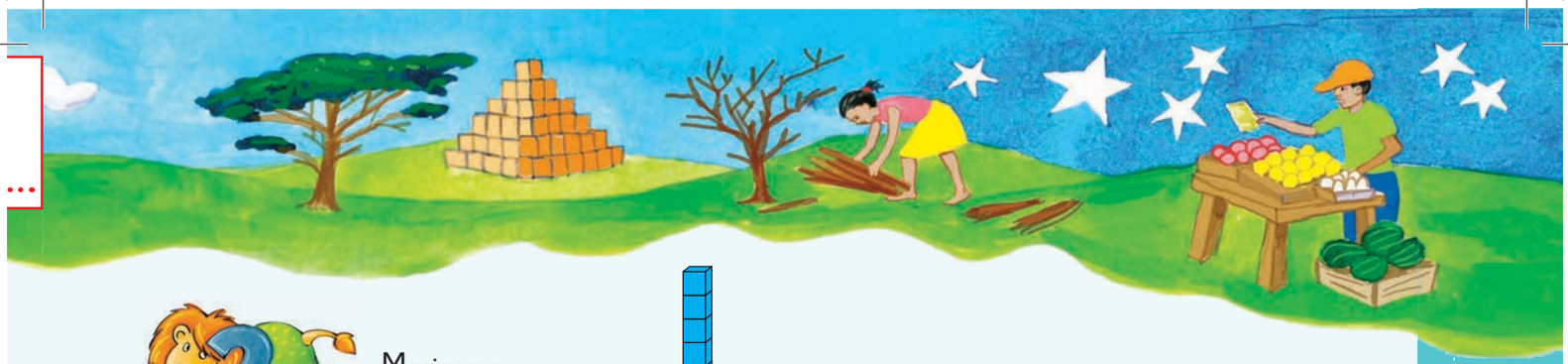
Sinokudibanisa amashumi ali-10 senze ikhulu eli-1.







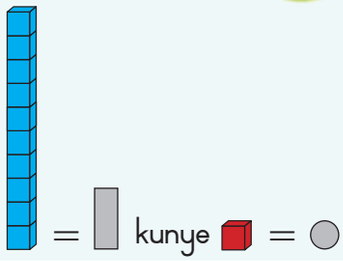
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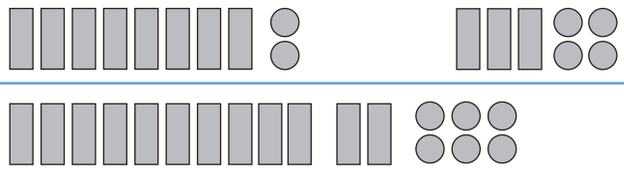




Masizame

Umzekelo: 82 + 34





100 + 20 + 6 = 126

a. 65 + 52

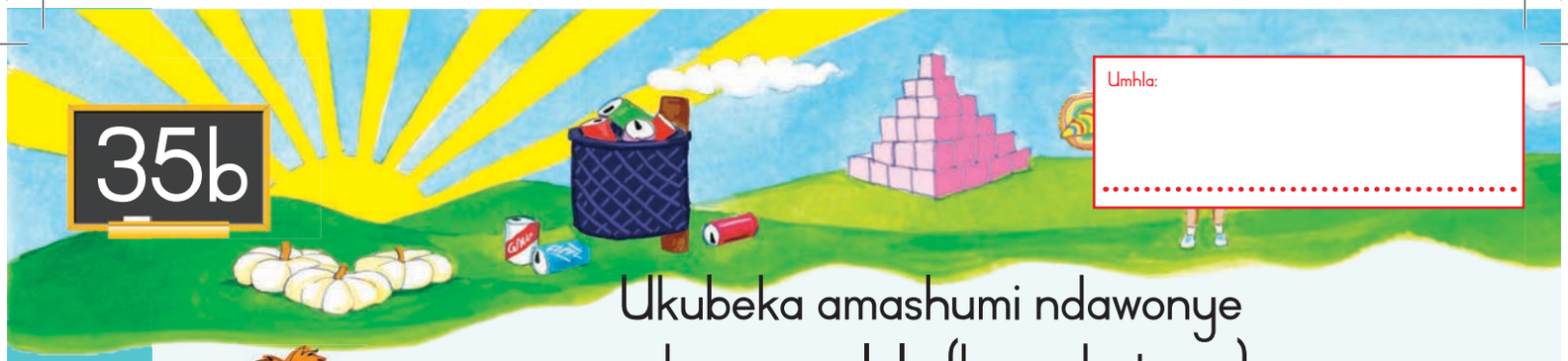
b. 76 + 63

c. 86 + 65

Teacher:
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Date:

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35b

Umhla:

.....

Ukubeka amashumi ndawonye nokuwacazulula (kusaqhutywa)



Ukubeka amaqela ndaweninye

Sebenzisa iibloko zamaxabiso endawo.

Sebenzisa iibloko ezilishumi zesiseko ukwenza la manani mabini	Mangaphi amashumi ewonke? Mingaphi imivo?	Udibanise amashumi okanye imivo? Khangela uqaphele ixabiso lendawo apho uhlanganise khona.	Bhala inani
23 + 99 =	_____ amashumi _____ imivo	amashumi ali-11 + imivo eli-12 = 110 + 12	122
38 + 25 =	_____ amashumi _____ imivo		
77 + 31 =	_____ amashumi _____ imivo		
68 + 45 =	_____ amashumi _____ imivo		
83 + 47 =	_____ amashumi _____ imivo		

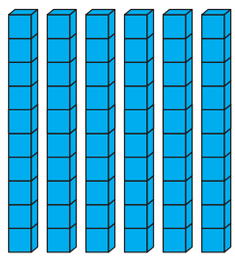
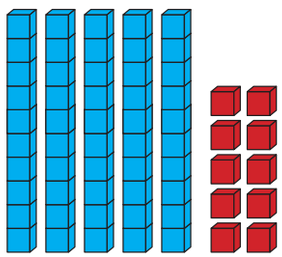
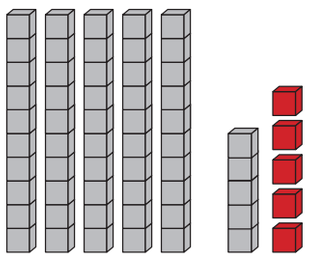


Ukucazulula amashumi xa sithabatha

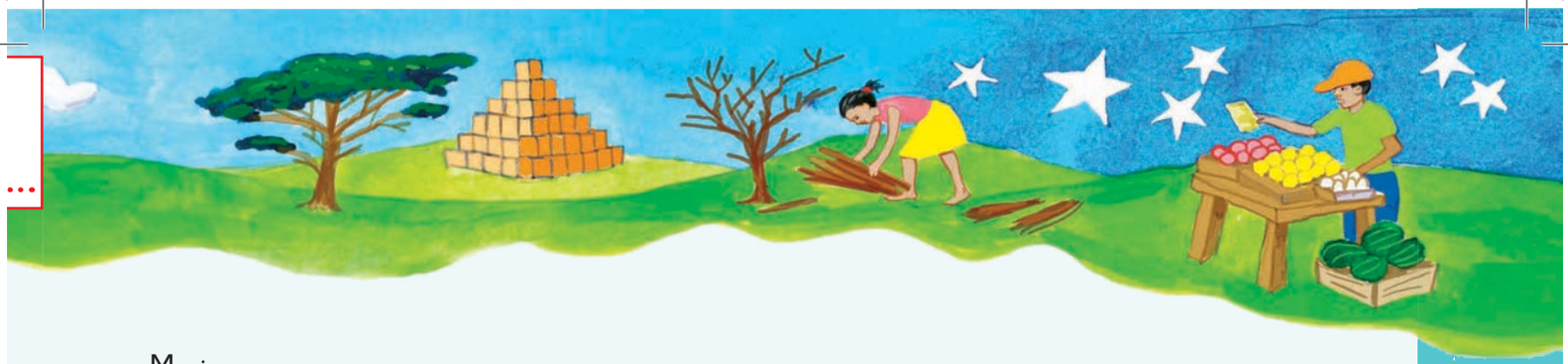
Maxa wambi xa sithabatha kufuneka sibonise ishumi elinye njengemivo elishumi, okanye ikhulu njengamashumi ali-10.

Masithabathe: 60 – 55 =

Siqala ngamashumi amathandathu nemivo engekhoyo. Sifuna ukuthabatha amashumi amahlanu nemivo emihlanu. (imivo esiyithathayo ifakwe umbala ongwevu)

		
Amashumi amathandathu singawabonisa ngolu hlobo.	Okanye amashumi amahlanu kunye nemivo elishumi.	Thabatha amashumi amahlanu nemivo emihlanu. Kushiyeka imivo emihlanu.
		60 – 55 = 5

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Masizame

a. 70 – 28

			
amashumi asi - 7	amashumi ama - 6 nemivo eli - 10	70 – 28 =	

b. 90 – 46

c. 80 – 53



Ukufumana isibini samanani

a.

200	
30	

b.

200	
70	

c.

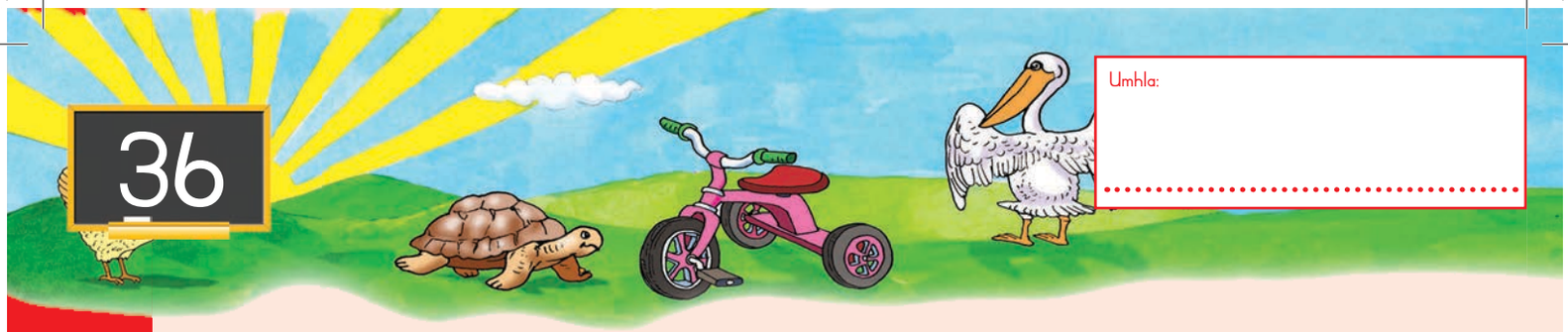
200	
	105

d.

200	
85	



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36

Umhla:

Utyelelo kugqirha wamazinyo



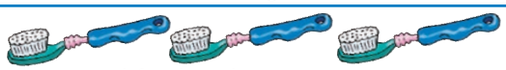
Iqela labantwana lityelela ugqirha wamazinyo.



Naku akuxelelwa ngabantwana  = kanye ngemini

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

a. Bala iimpawu (✓) ubonise ukuba bawahlamba kangaphi abantwana amazinyo abo. Bhala amanani.

 Kanye ngemini	
 Kabini ngemini	
 Kathathu ngemini	

b. Uqaphela ntoni kule theyibhile?

Uninzi lwabantwana luxukuxa ka _____ ngemini.
Kukho abantwana aba _____ eqeleni.

1 2 3 4 5 6 7 8 9 10

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Zoba igrafu yomfanekiso ebonisa ukuba abantwana baxukuxa kangaphi ngosuku.

 = kanye



Yenza uphando eklasini yakho. Buza abafundi abali-15 ukuya kuma-20.

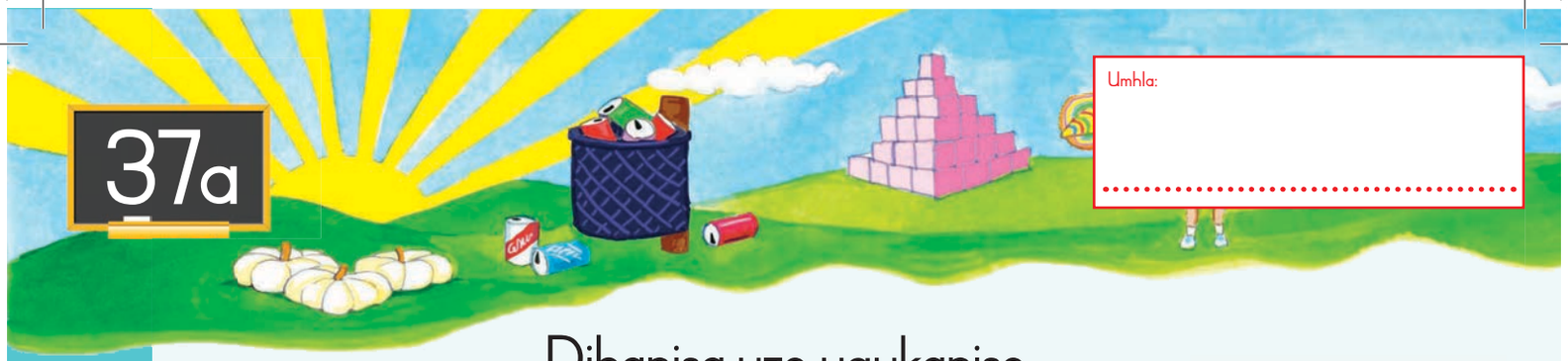
a. Bawahlamba kangaphi amazinyo abo ngosuku? _____

b. Zoba igrafu efana nale ingentla ubonise iziphumo zakho.

Teacher:
Sign:
Date:

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37a

Umhla:

Dibanisa uze uqukanise

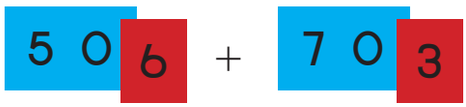


Bhala izibalo zakho



UBusi unokudibanisa imivo kunye namashumi aze aqukanise kwakhona. Unokudibanisa aze athabathe abhale ephepheni ngaphandle kokusebenzisa iibloko. Ngamanye amaxesha uthanda ukuqala ngamakhadi akhe amanani ukuze abonise amanani.

Ngoko ke kwisibalo 56 + 73, ufumana la makhadi:



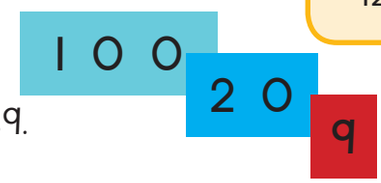
Uyibhala ngolu hlobo:

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



Udibanisa imivo aze abeke phantsi ikhadi 9.

Uyazi: 50 + 70 = 120.



Uthatha ikhadi lamakhulu, elama-20 kunye nele-9.

ukwenza inani elinemivo emi-3.



UDumi uyazi ukuba iibloko zisebenza njani.

Isibalo 56 + 73 usenza ngolu hlobo:

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



UAakar uyakuthanda ukusondeza. Ukwenza ngolu hlobo oku:

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

1 2 3 4 5 6 7 8 9 10

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Khawuzizamele ngokwakho. Yenza isibalo ngasinye ngeendlela ezimbini.

a. 86 + 62



Indlela yokubala kaBusi

80 + 60 + 6 + 2



Indlela yokubala ka-Dumi

80 + 6 + 60 + 2

b. 72 + 63

c. 81 + 57

d. 69 + 71

Sebenzisa indlela ka-Aakar xa usenza oku.

Teacher:

Sign:

Date:

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37b

Umhla:

Dibanisa uze uqukanise (kusaqhutywa)

a. Masithabathe.







Indlela yokubala kaBusi

$80 - 50 + 7 - 3$

$= 30 + 4$

$= 34$

Indlela yokubala ka-Dumi

$80 + 7 - 50 + 3$

$= 30 + 4$

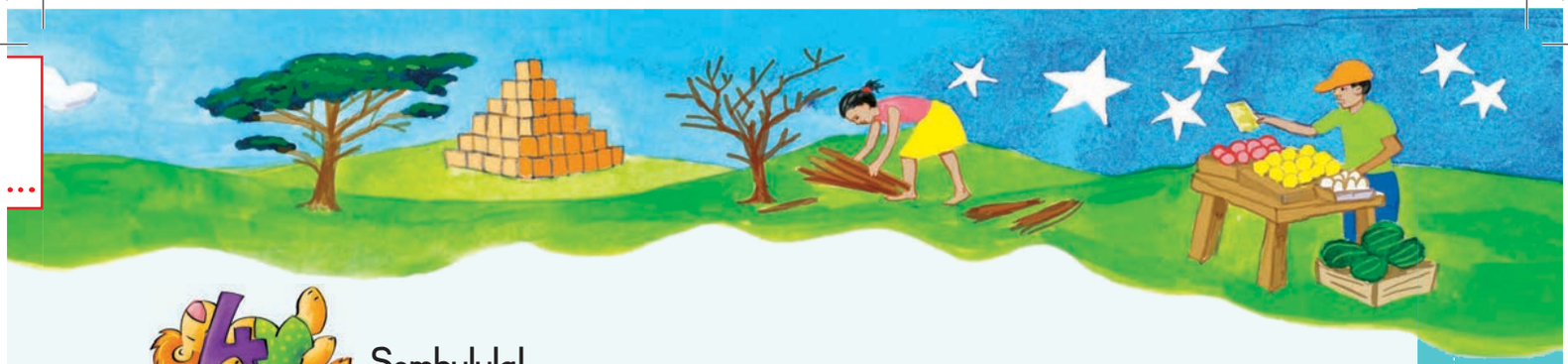
$= 34$

b. $95 - 73$

c. $86 - 62$

d. $85 - 69$

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Sombulula!

Zininzi iindlela zokudibanisa imivo kunye namashumi. Khetha indlela oyaziyo noyithandayo yokubala ezi zibalo. Bonisa umsebenzi wakho.

a. UPeter uqala akhe iipesika ezingama -34 aze aphinde akhe ezingama -67. Zingaphi iipesika azikhileyo zizonke?



b. Abantwana bakwaMalusi banemali engama -R47 bebonke. Umama wabo ubaphe ama -R58. Banamali ni ngoku?



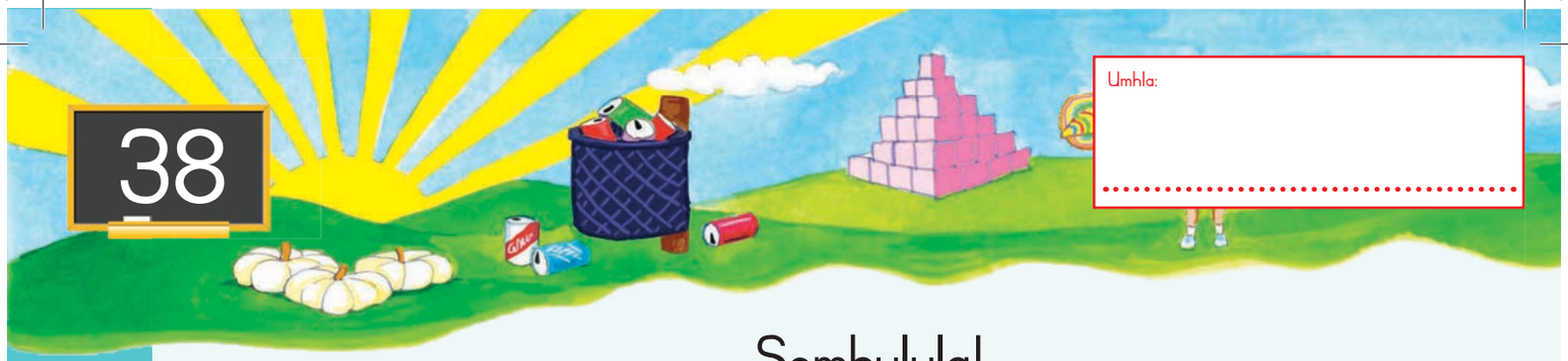
c. Ibhasi yesikolo ihamba umgama ongama -88 km kusasa nama -73 km emva kwemini. Ihamba umgama ongakanani uwonke?



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38

Umhla:

.....

Sombulula!



Iziciko zeebhotile

Sebenzisa nayiphi indlela yokubala oyithandayo.
Bonisa umsebenzi wakho.



USipho





UAndile

USipho ubala iziciko zeebhotile ezingama-87. UAndile ubala ama-38.
Zininzi kangakanani iziciko zebhotile zikaSipho kunezika-Andile?



Umyhadala wekonisathi yesikolo



UMusa



UMusa uthengisa amatikiti. Uqale enamatikiti angama-92. Ushiyekelwe ngamatikiti angama-67 kuphela. Mangaphi amatikiti awathengisileyo ukuza kuthi ga ngoku uMusa?

1 2 3 4 5 6 7 8 9 10

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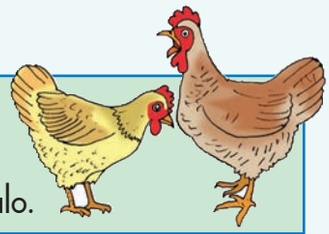




Ukuziqhelisa ngakumbi



Kukho amantshontsho angama-69 ehokweni nangama-95 kwenye. Mangaphi amantshontsho xa ewonke? Funda ngendlela uGugu no noAakar abasombulula ngayo esi sibalo.



Indlela enza ngayo uGugu

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



Indlela enza ngayo uAakar

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



a. Amakhwenkwe aqokelele ama-R96 okulungiselela uhambo lweklasi. Amantombazana aqokelele ama-R79. Iyonke le mali yimalini?

Indlela enza ngayo uGugu	Indlela enza ngayo uAakar

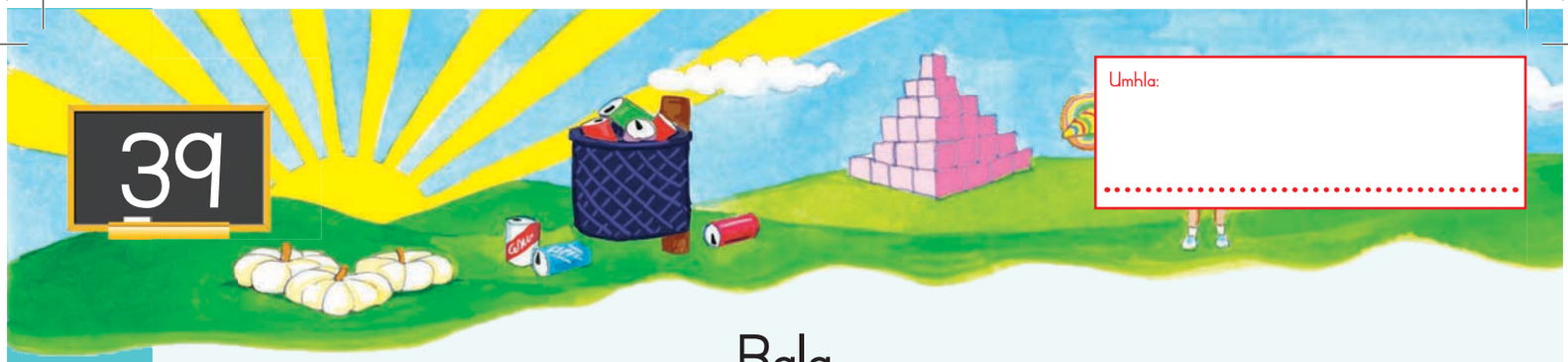
b. Isikolo esinye siqokelele ama-76 kg eetoti. Esinye isikolo siqokelele ama-68 kg eetoti. Ziikhilogram ezingaphi zeetoti zizonke eziqokelelwe zizikolo zozibini?

Indlela enza ngayo uGugu	Indlela enza ngayo uAakar



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39

Umhla:

Bala



Fumana indawo

Bhala amanani ashiyiweyo.

a.

100	
	27

b.

100	
39	

c.

100	
43	

d.

100	
56	

e.

200	
140	

f.

200	
	110

g.

200	
135	

h.

200	
	120



Ukuthabatha ubuya umva usuka kuma-200 ukuya kwi-100

Thabatha amanani akwibhokisi epinki ngexesha ngalinye.
Sikwenzele eyokuqala.

220 → −15 → 205 → −5 → ☐ → −10 → ☐ → −20 → ☐ → −5 → ☐ → −5 → ☐ → −20 → ☐ → −10 → ☐ → −15 → ☐ → −10 → ☐ → −5 → 100

Nantsi indlela yokujonga iimpendulo zakho!

Qala kwi-100! Ubale ubuyele kuma-220.

Ke ngoku dibanisa amanani!

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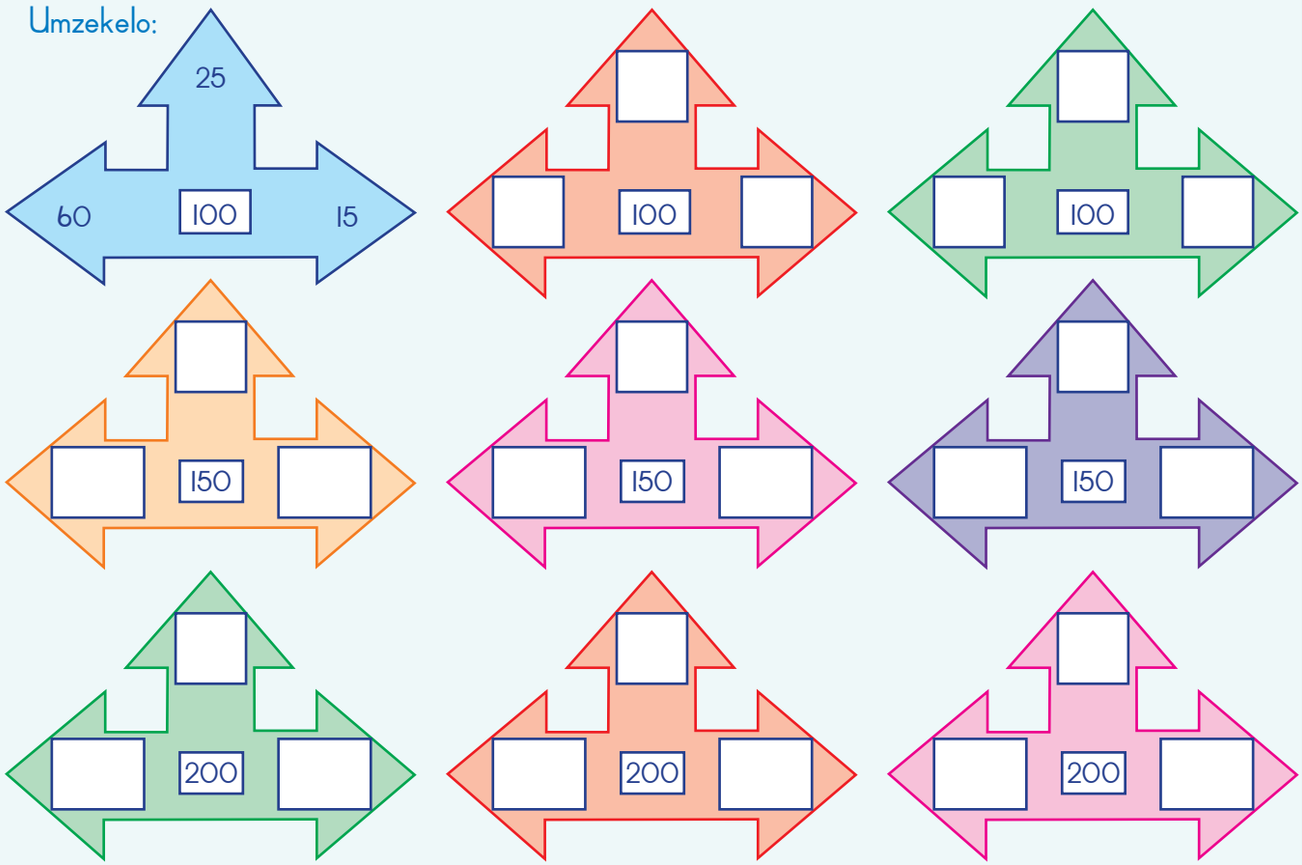




Iintsapho zezithathu

Fumana amanani amathathu othi xa uwadibanisile akunike impendulo ejolise kwinani olinikiweyo. Umthetho: Linani elinye kuphela elinokuphelela ku-0.

Umzekelo:





Ibe ngaphezulu ngama-50, ibe ngaphantsi ngama-50

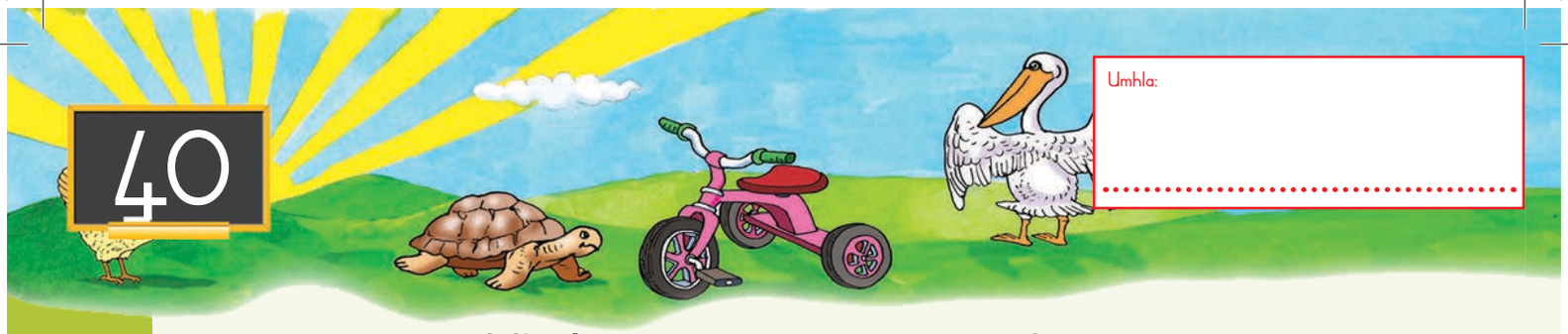
Bhala iimpendulo kumqolo wesi-2.

+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

Umhla:

Ukulinganisa ngeesentimitha



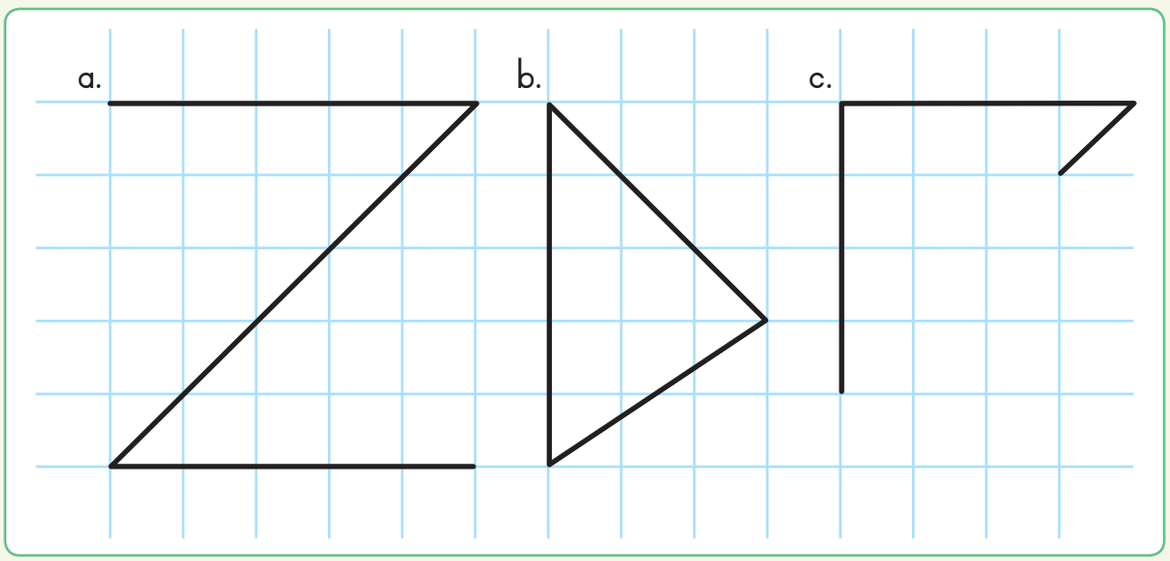
Inkulu kangakanani isentimitha?



Amanani akwirula amele iisentimitha.
Sisebenzisa isifinyezo okanye isimboli engu -cm.
Xa usebenzisa iirula kufuneka uqale ku -0 xa ulinganisa.
Ezinye iirula azimbonisi u -0 njengalapha kweli phepha.
Fumana u -0 cm kwirula. Bhala phezu kwerula.
Uphi u -10cm kule rula? Bhala u -10 apho.



Qikelela wandule ukulinganisa ngokuchanekileyo ngokwee -cm ngerula yakho ubude bemigca eyenza imilo nganye.



a. Qikelela ☐ cm	b. Qikelela ☐ cm	c. Qikelela ☐ cm
Linganisa ☐ cm	Linganisa ☐ cm	Linganisa ☐ cm

1 2 3 4 5 6 7 8 9 10

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Mde kangakanani umgca ngamnye?

Ziisentimitha ezingaphi ubude bomgca ngamnye?

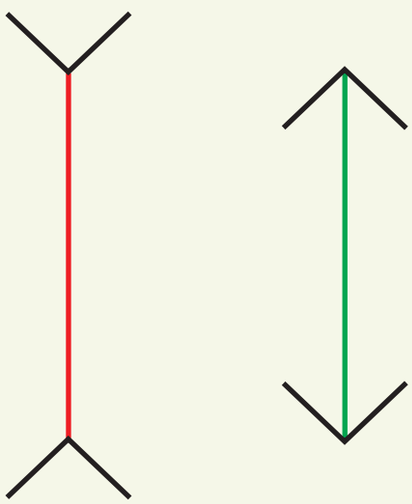
a. ———	☐ cm	d. |	☐ cm
b. ———————	☐ cm	e. ／	☐ cm
c. —	☐ cm	f. ＼	☐ cm



Uqinisekile?

Ngowuphi omde, ngumgca obomvu okanye ngumgca oluhlaza?

Ungayijonga njani?



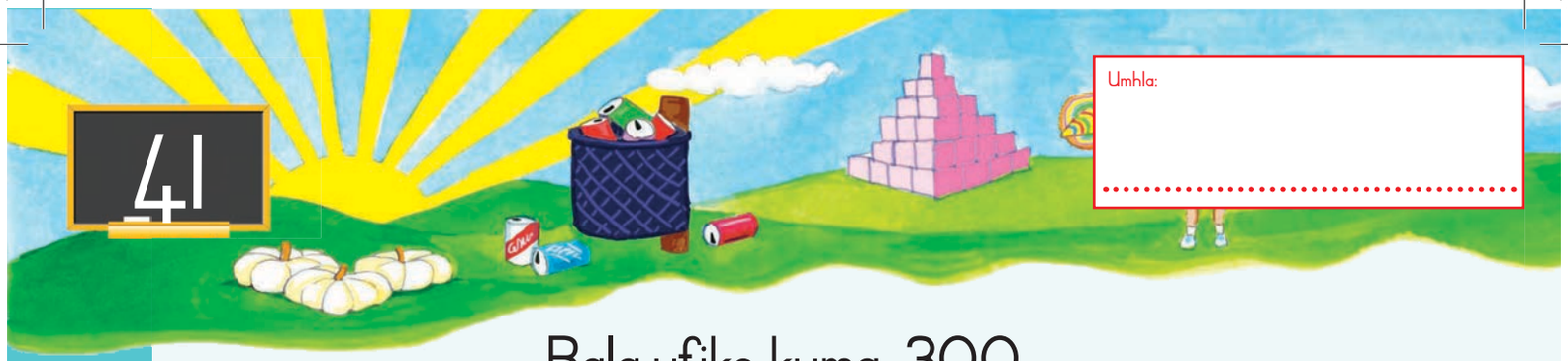


Oku kubizwa ukudideka kwamehlo. Kwenzeka xa amehlo elingwa ngokuboniswa into engekhoyo. Le migca iyalingana ngobude. Imigca emnyama ephumela ngaphandle yenza umgca obomvu ukhangeleke umde ze imigca emnyama ejonge ngaphakathi yenze umgca oluhlaza ukhangeleke umfutshane.

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Date:

11 12 13 14 15 16 17 18 19 20

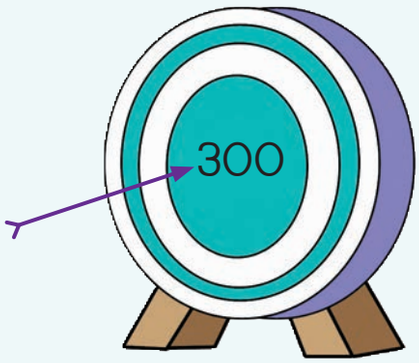
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Bala ufike kuma-300



Bala ubhale ama-200



Bala ukusukela kuma-201 ukuya kuma-300.

Khomba njengokuba uhamba.

Zalisa iibloko ezizuba kuqala.

Bhala onke amanye amanani ashiyelelweyo.



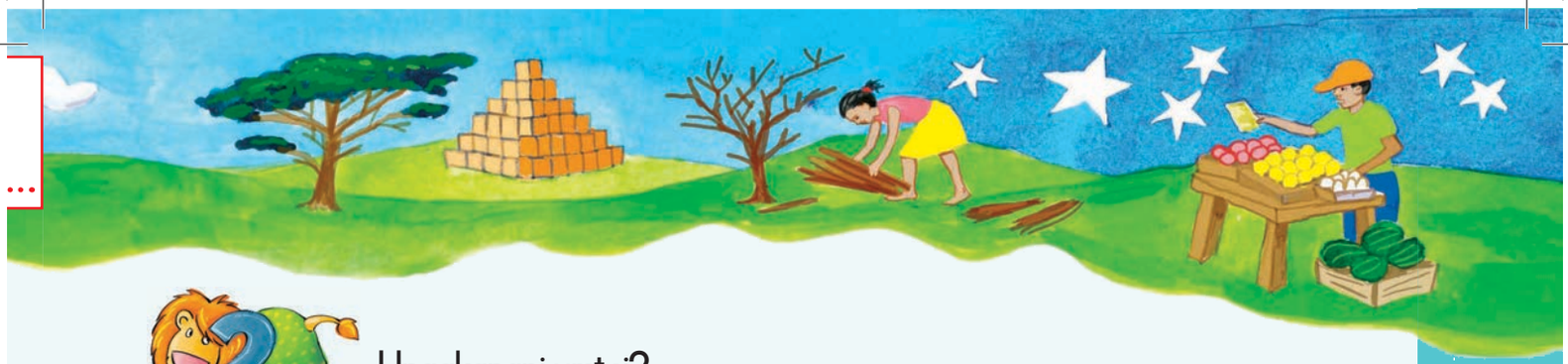
201						207			210
211									
221									
231									
								249	
			254						
				265					
		273							280
281					286				
							298		300

Bhala amanani ali-10 aza emva kwama-300.

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

1 2 3 4 5 6 7 8 9 10

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Ungakanani umtsi?

301		281					
		171					211
					101		

Ukubonisa nokuthelekisa

a. Bhala amanani angena kwikhadi ngalinye.

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

200

90

8

b. Bhala amanani ngokulandelelana kwawo uqale ngelona lincinci ukuya kwelona likhulu.

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

Yintoni umahluko?

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

Isiphelo: 300 ← ____ ← 286 ← ____ ← 278 ← ____ ← 261

Teacher:

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Date:

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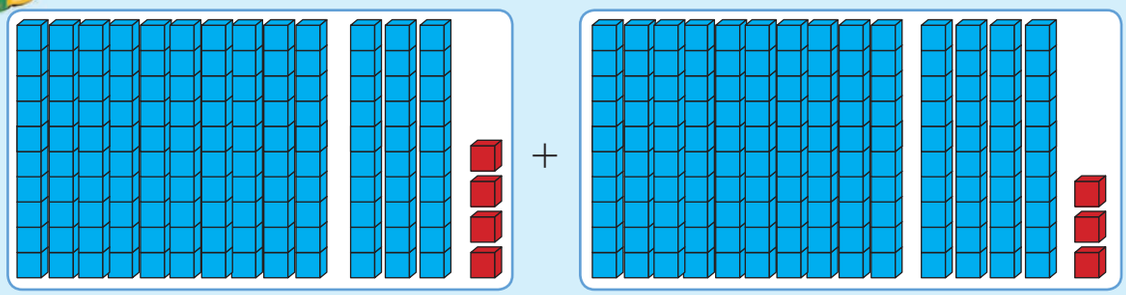
42

Umhla:

.....

Ukudibanisa nokuthabatha ngama-100

Ukusebenzisa iibloko ukuze udibanise



100 30 4 + 100 40 3

= 200 70 7

= 277

Landela ezi ndlela zimbini. Bonisa impendulo nganye ngeendlela ezimbini.

a. 132 + 123



Indlela yokubala kaBusi

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

= 200 + 50 + 5

= 255



Indlela yokubala ka-Dumi

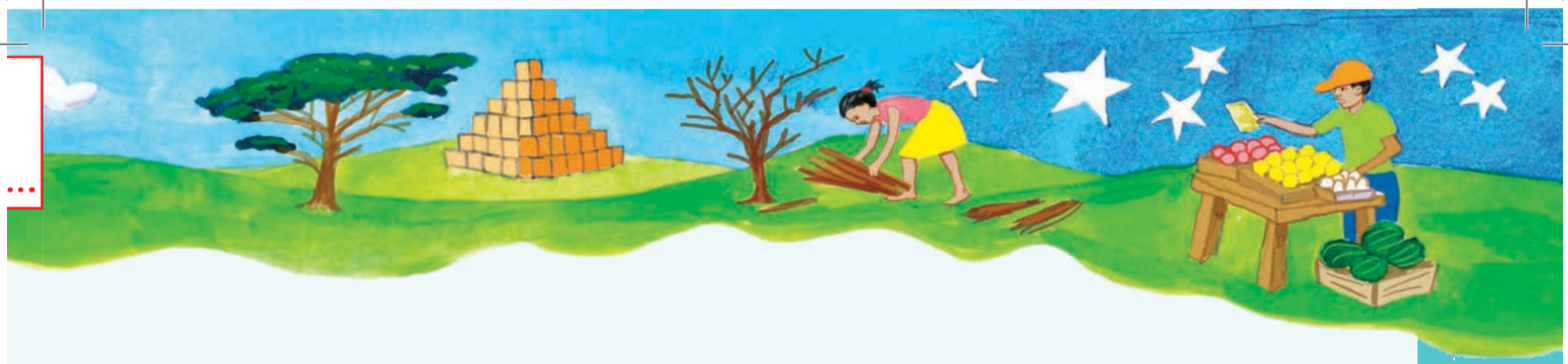
132 + 123

= 200 + 50 + 5

= 255

b. 114 + 162

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c. 276 + 148

Jonga iindlela zokubala uze uthabathe.







a. 158 – 146

Indlela yokubala kaBusi

= 100 – 100 + 50 – 40 + 8 – 6

= 0 + 10 + 2

= 12

Indlela yokubala ka-Dumi

158 – 146

= 0 + 10 + 2

= 12

b. 194 – 122

c. 288 – 199

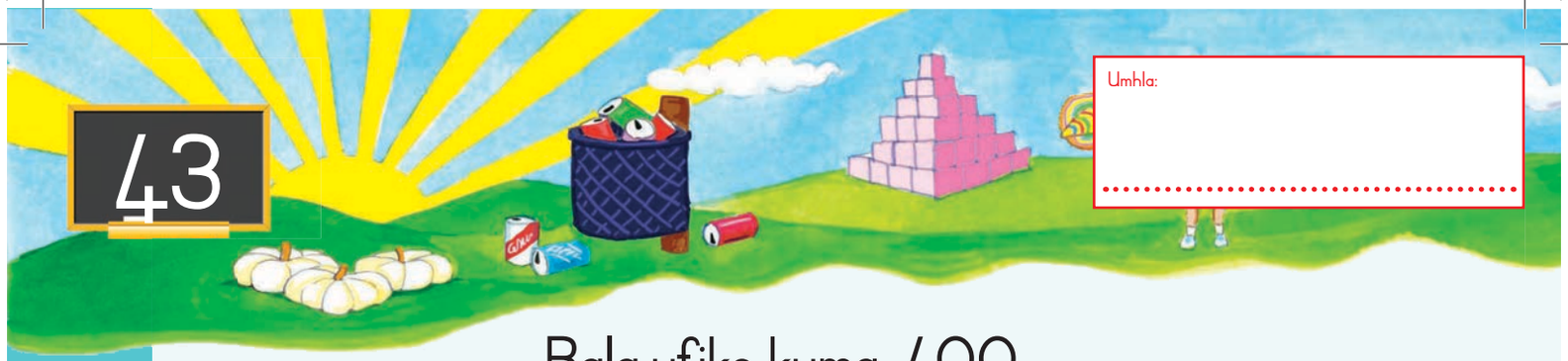
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43

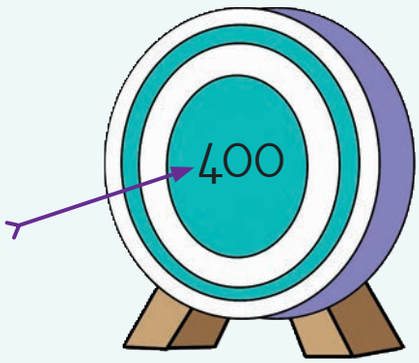
Umhla:

.....

Bala ufike kuma-400



Ukubala nokubhala ama-400



Bala uqale kuma-300 ukuya kuma-400.

Wabize amanani njengokuba usiya phambili.

Bhala amanani angekhoyo kwigridi.

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

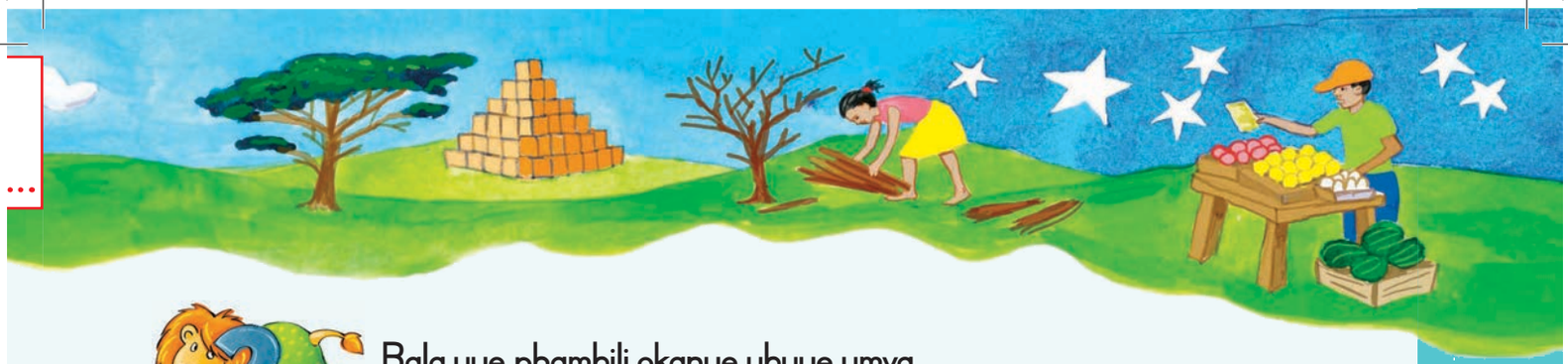


Bhala amanani ali-9 alandela ama-400.

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

1 2 3 4 5 6 7 8 9 10

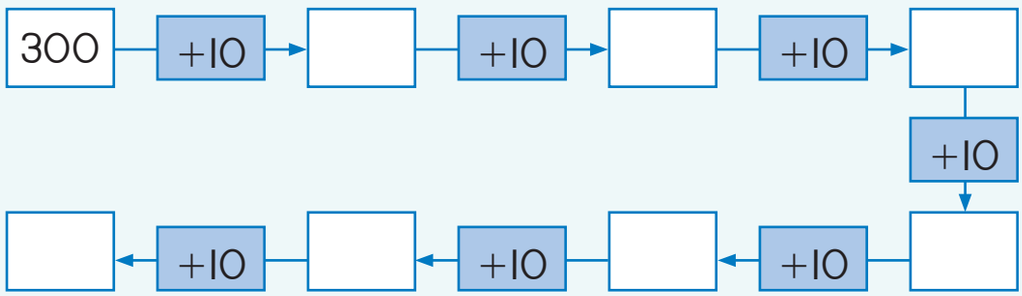
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Bala uye phambili okanye ubuye umva

a. Bala uye phambili uqale kuma -300.

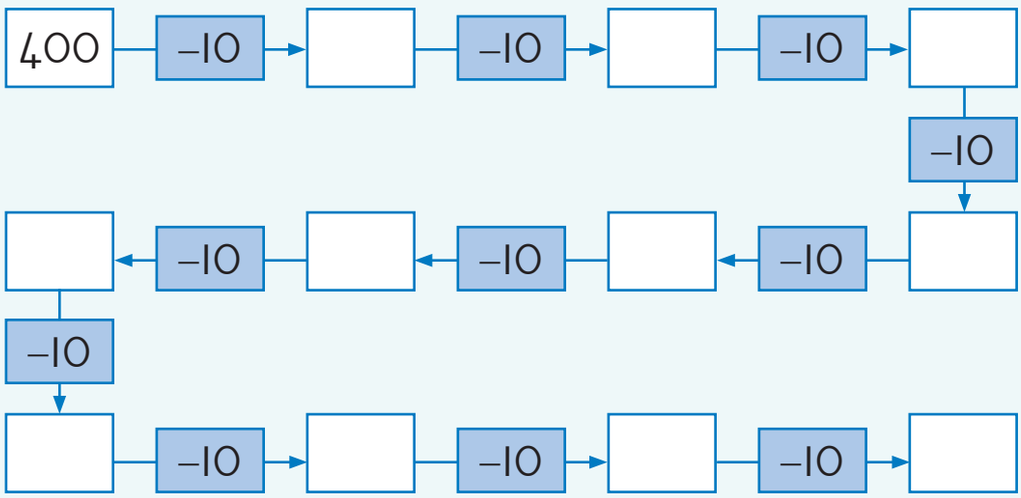
Isiqalo



Isiphelo

b. Bala uqale kuma -400

Isiqalo



Isiphelo

Bhala njengenani elinye.

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

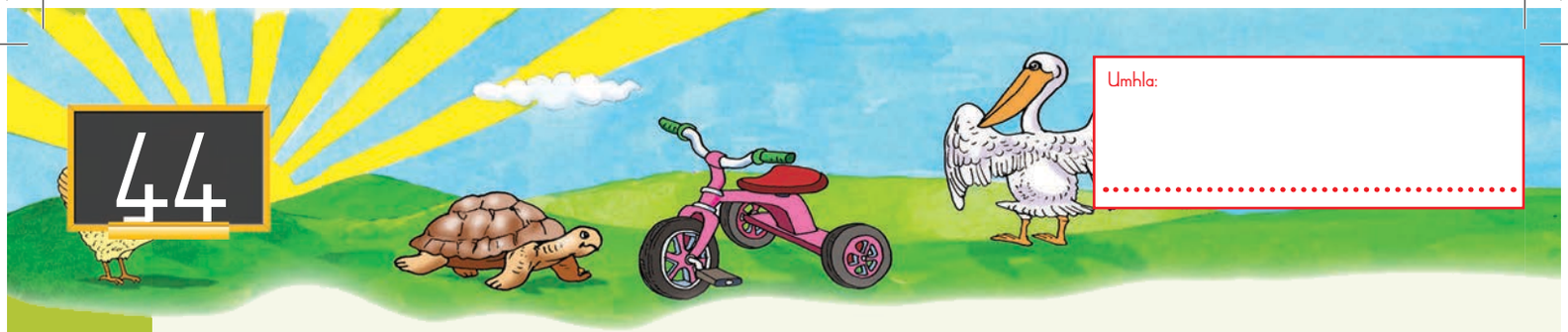
Bhala amanani ngokulandelelana kwawo ukusuka kwelona lincinci ukuya kwelona likhulu.

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

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Date:

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Umhla:

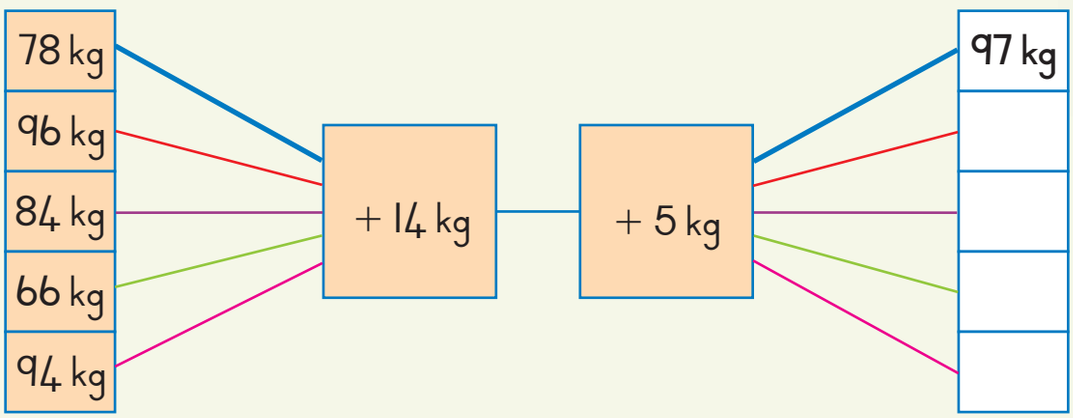
Ukulinganisa ubunzima



Inani elikhethekileyo

Dibanisa uze ubhale iimpendulo.

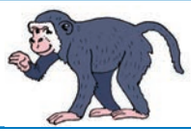






Ukuweza inani nokudibanisa!

Cingisisa!

				
Udyakalashe ngama-25 kg	Ufudo ngama-98 kg	Imfene ngama-59 kg	Ithole leqwarhashe ngama-88 kg	Ingcwangube li-9 kg

Weza ubunzima besilwanyana ngasinye buye kwelona 10kg lisondeleyo.

_____

Bhala ubunzima besilwanyana ngasinye ngokulandelelana usuke kwesikhaphukhaphu uye kwesinzima.

_____

Qikelela ubunzima bezilwanyana ezi-5 zizonke.

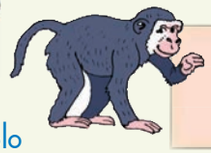
_____

1 2 3 4 5 6 7 8 9 10

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Dibanisa ubunzima bazo



Ndisenokungabi nzima njengawe Fudo, kodwa ngokuqinisekileyo ndiyakhawuleza kunawe!



Amanyathelo

- Sebenzisa izixa zakho oziwezileyo.
- Qikelela ubunzima bezilwanyana ezikumqolo ngamnye.
- Bala iziphumo.
- Thelekisa iziphumo zozibini uze ubhale umahluko.

	Ndiyaqikelela	Ndiyabala	Umahluko
			
			
			

Ubunzima bukaVusi

Qaphela. Thelekisa. Lungisa.

UVusi udibanisa ubunzima bakhe kobe  no  .

Ubunzima babo budibene ngama-239 kg. UVusi unobunzima obungakanani?
Bonisa impendulo yakho.

Bungakanani ubunzima bam?

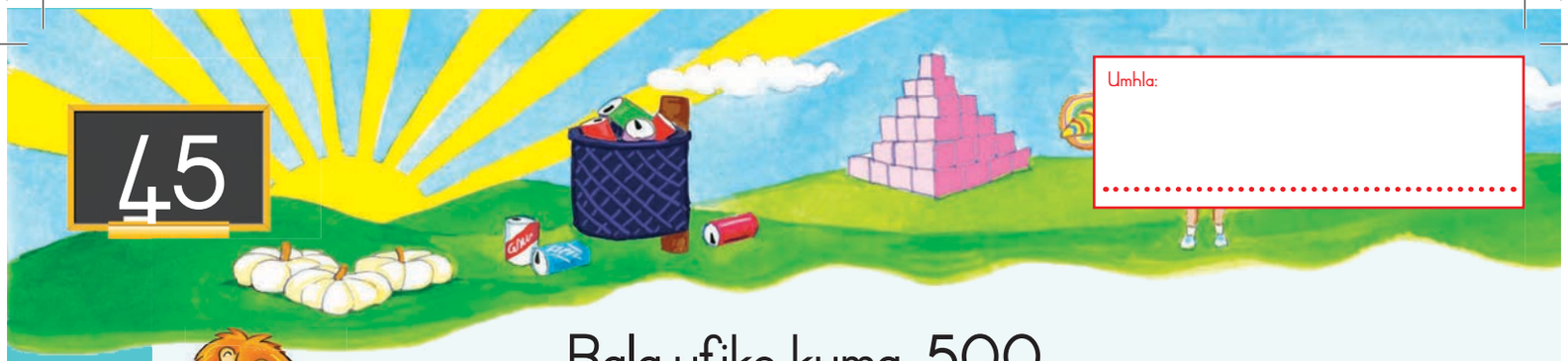
Dlalani kwiqela. Tshintshiselanani ...

Dibanisa ubunzima bakho kubunzima bezinye izilwanyana.
Bala isiphumo. Xelela iqela impendulo yakho. Musa ukubabonisa umsebenzi wakho! Mabalinge ukubala ubunzima bakho.

Teacher:
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Date:

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Umhla:

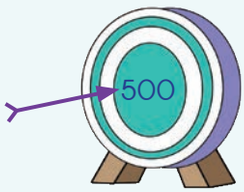
Ikota yesi-2

Bala ufike kuma-500



Bala uze ubhale

400



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

a. Bala uye phambili ukusuka kuma-400. Biza amanani njengoko ubala.

b. Bhala amanani ashiyelelweyo kwigridi.

c. Bhala amanani ali-9 alandela ama-500.

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

d. Bala ngezi-2. Bhala amanani asi-8 alandelayo **kwipatheni yezi-2**.

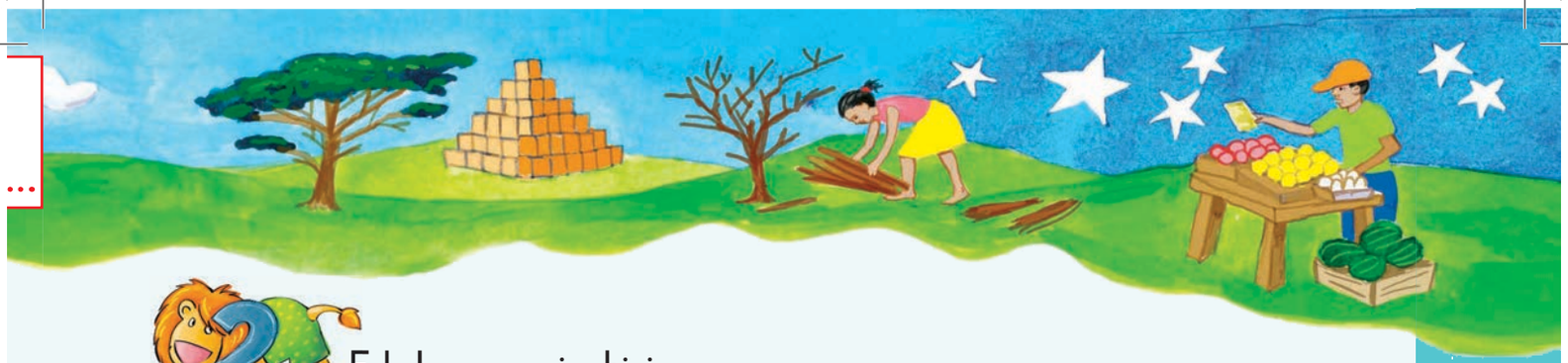
400; 402; _____; _____; _____; _____; _____; _____; _____; _____

e. Bala ngezi-5. Bhala amanani asi-8 alandelayo **kwipatheni yezi-5**.

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

1 2 3 4 5 6 7 8 9 10

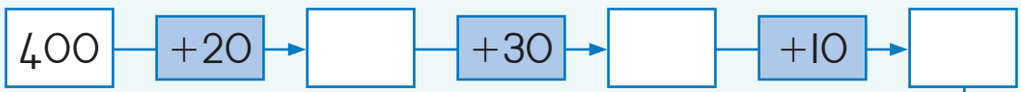
XHO NUM G3 B1 9781431500062.indb 104 2014/05/08 9:36 AM



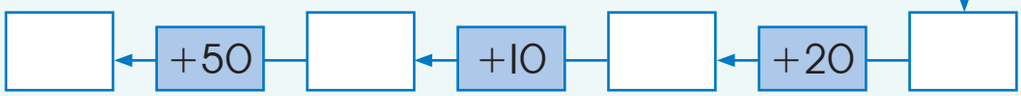
2 Fakela amanani ashiyiweyo.

a. Bala uye phambili ukusuka kuma -400.

Qala

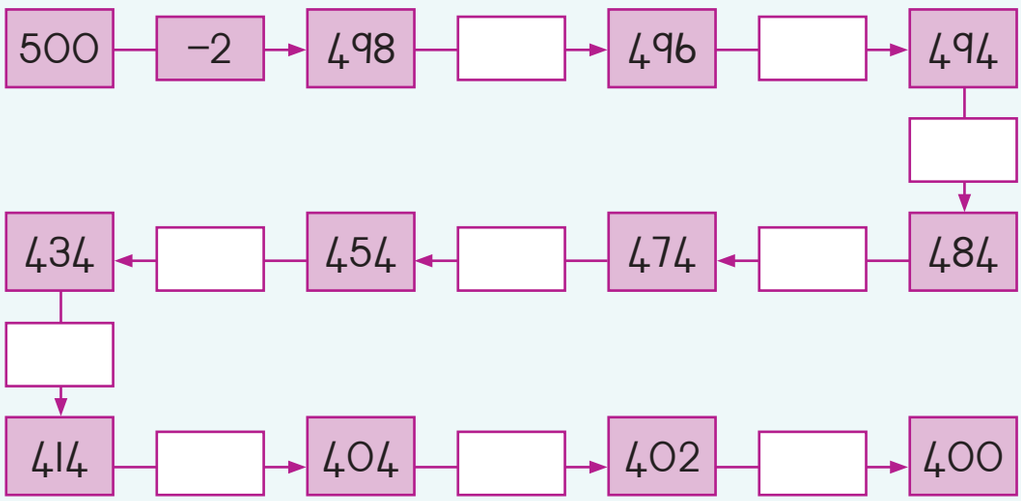


Gqiba



b. Bala ubuye umva ukusuka kuma -500.

Qala



Gqiba

3 Bonisa amanani. Jonga umzekelo.

Zithini iziphumo?

Sebenzisa amakhadi amanani ubonise isiphumo ngasinye.

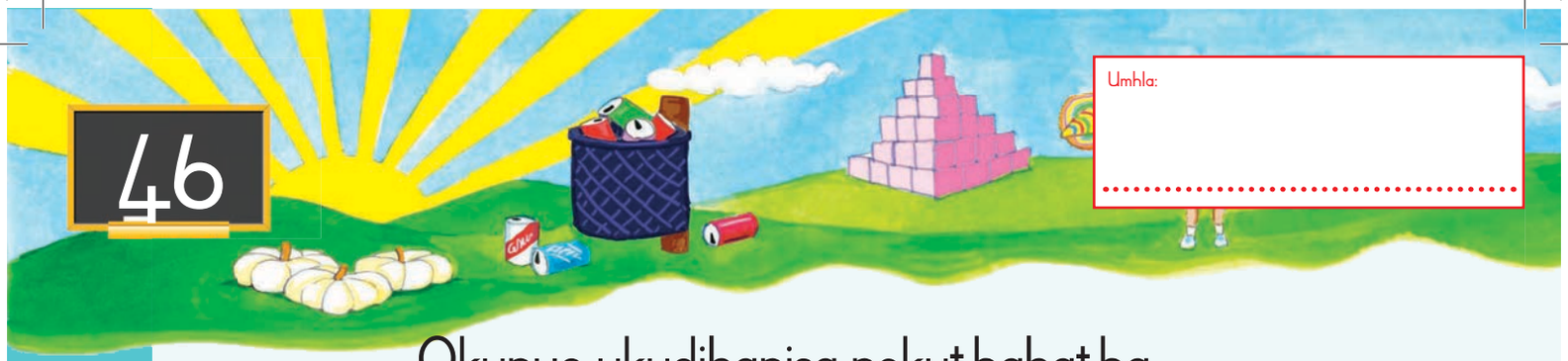
405 + 10	415	400 + 10 + 5
446 + 10		
455 + 10		

398 + 10		
424 + 10		
460 + 20		

Teacher:
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Date:

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46

Umhla:

Okunye ukudibanisa nokuthabatha

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



Siza kusebenzisa indlela yokudibanisa kaBusi nekaDumi.

a. 245 + 231



Indlela kaBusi

= 200 + 200 + 40 + 30 + 5 + 1

= 400 + 70 + 6

= 476



Indlela kaDumi

245 + 231

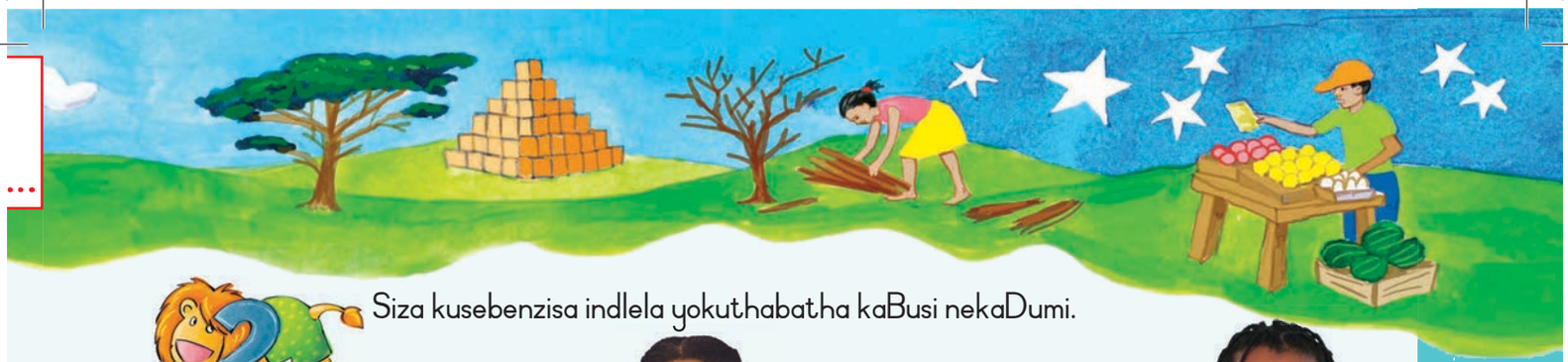
= 400 + 70 + 6

= 476

b. 278 + 136

c. 265 + 148

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Siza kusebenzisa indlela yokuthabatha kaBusi nekaDumi.



a. 476 – 324



Indlela kaBusi

= 400 – 300 + 70 – 20 + 6 – 4

= 100 + 50 + 2

= 152

Indlela kaDumi

476 + 324

= 100 + 50 + 2

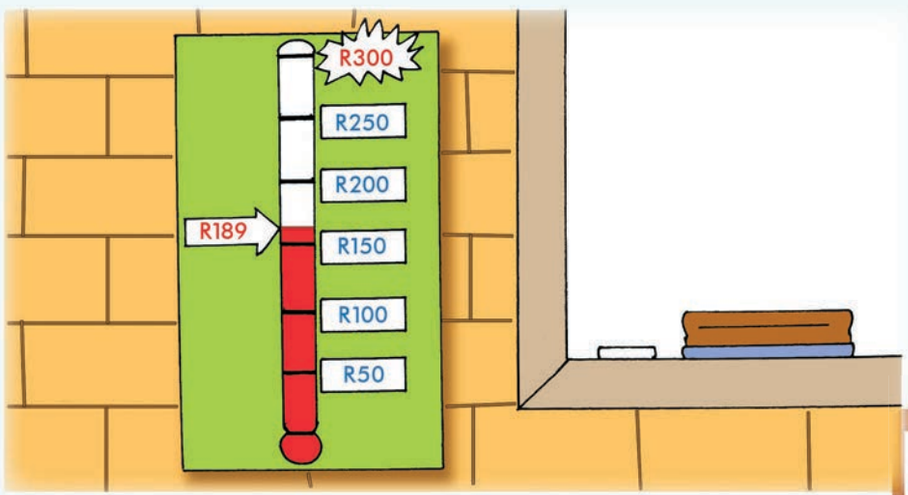
= 152

b. 489 – 456

c. 482 – 161



Ukufikelela kwithagethi



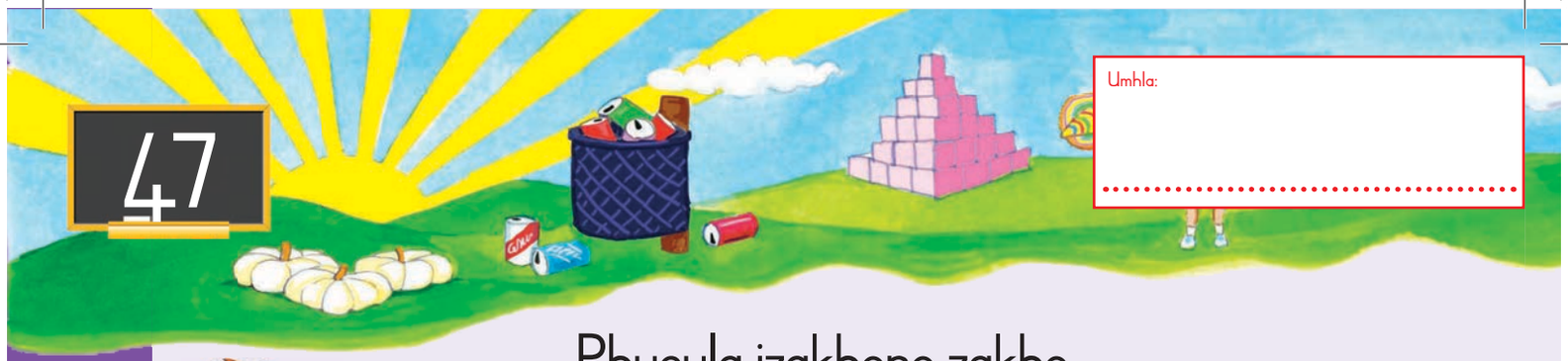
Jongisisa umfanekiso.

Kusafuneka malini ukuze kufikwe kwinjongo yakho? R

Teacher:
Sign:
Date:

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47

Umhla:

Phucula izakhono zakho



Intaba yemfihlo

Lithini igama leyona ntaba iphakame kakhulu eGauteng? Sebenzisa ikhowudi ufumane impendulo. Tshatisa impendulo nganye ekwitheyibhile nonobumba okwikhowudi.

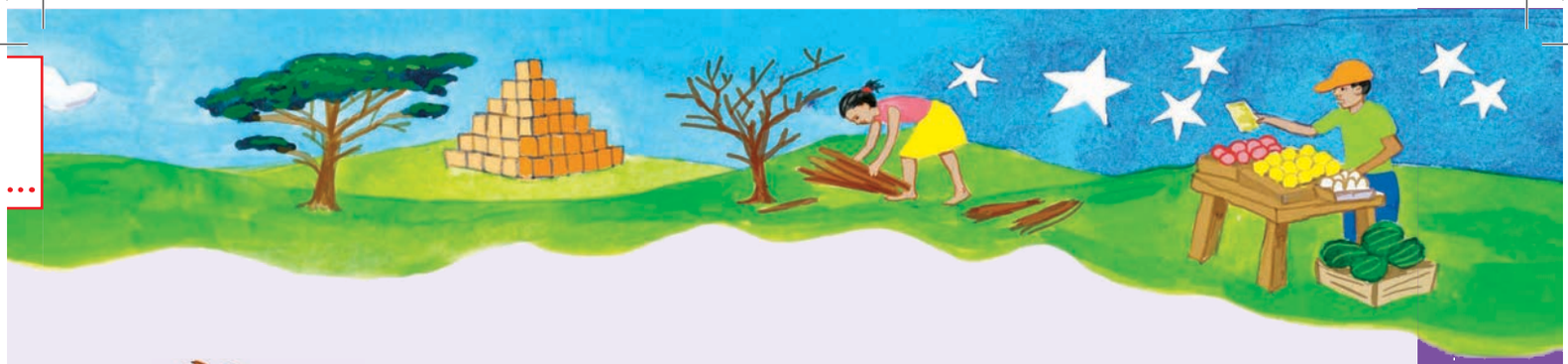
A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

Izikhokelo ezingamanani	Impendulo	Unobumba
Umzekelo: $2 \times 3 \times 3 \times 1 =$ ☐	18	R
$50 + 50 + 50 + 100 - 200 - 45 =$ ☐		
$1 + 2 + 7 + 10 + 7 + 1 - 14 =$ ☐		
$60 - 30 + 50 + 20 - 50 - 15 - 20 =$ ☐		
$3 + 2 + 7 + 1 + 2 + 1 + 3 =$ ☐		
$5 + 3 + 30 = 4 + 2 + 12 +$ ☐		
$100 - 5 - 70 = 20 +$ ☐		
$36 + 44 - 60 - 22 =$ ☐		
$10 + 15 = 14 +$ ☐		
$2 + 1 + 14 + 9 + 14 = 25 +$ ☐		
$1 \times 2 \times 2 \times 2 \times 2 =$ ☐		

Igama lentaba

1 2 3 4 5 6 7 8 9 10

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Jonga! Cinga, uphendule!

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

a.

Liza kuba yeyiphi imilo inani i-16? Phawula (✓) echanekileyo. ✷ ● ☾

Liza kuba yeyiphi imilo inani i-18? Phawula (✓) echanekileyo. ✷ ● ☾

Liza kuba yeyiphi imilo inani i-19? Phawula (✓) echanekileyo. ✷ ● ☾

b.

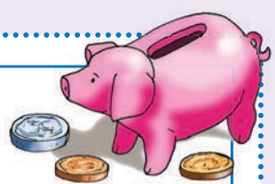
Inani elingama - 50 liza kuba ✷. Yinyani okanye Asiyonyani?

Inani i-100 liza kuba ●. Yinyani okanye Asiyonyani?

Inani elingama - 28 liza kuba ☾. Yinyani okanye Asiyonyani?



Khangela. Thelekisa. Lungisa.



Yeyiphi engaphezulu?

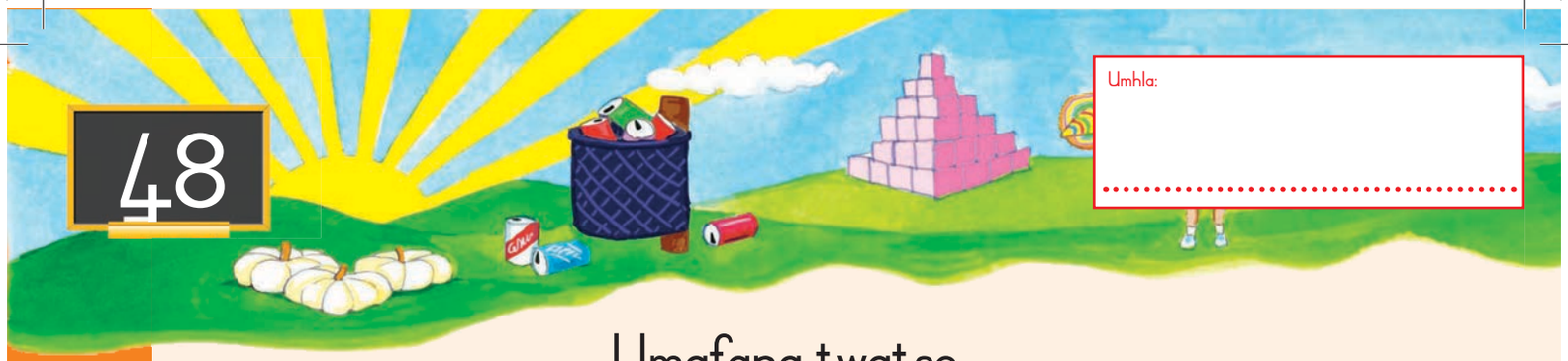
Ukufumana imali engangee -R2,50 ngosuku kwinyanga kaJuni nekaJulayi.

Okanye ukufumana i-R150 ngowoku-1 kuAgasti. Bonisa indlela obale ngayo.

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Date:

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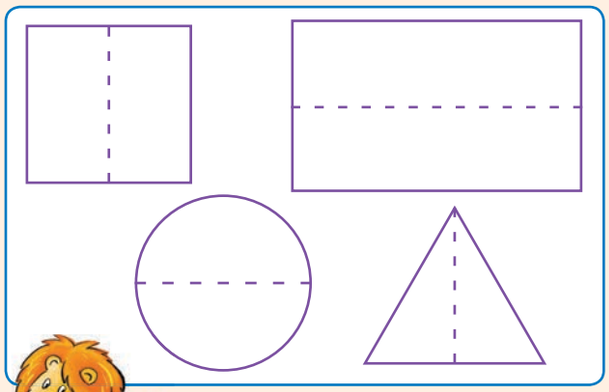
48

Umhla:

Ikota yesi-2

Umafana twatse

Uqaphela ntoni ngezi milo?



Umgca kamatwatotse (wesimetri) wahlula imilo ibe ziziqingatha ezibini ukuze isiqingatha ngasinye sifane twatse nesinye oku komfanekiso wakho esipilini.



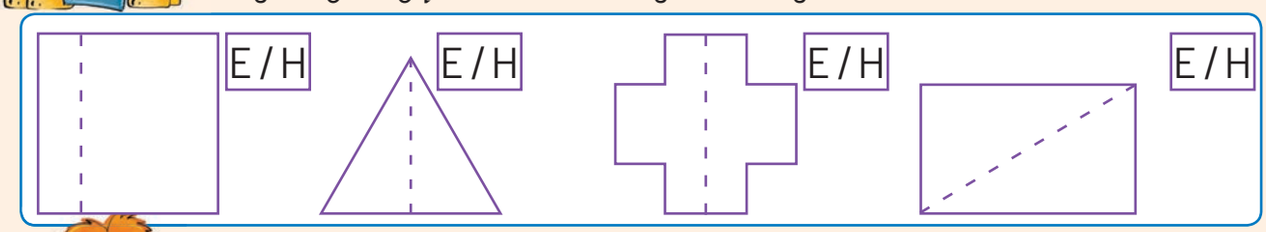


Krwela umgca owahlula imilo nganye ngokulinganayo



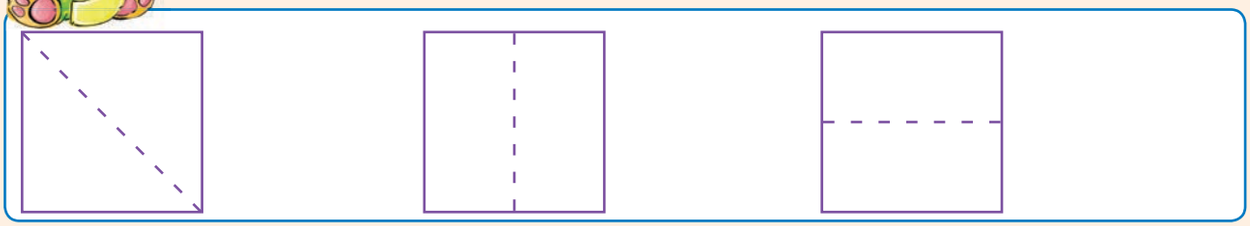


Ingaba umgca ochokoziweyo ngumgca owahlula ngokulinganayo okanye asinguwo? Biyela ngesangqa u-E (EWE) okanye u-H (Hayi).





Ingaba ngumgca kamafana twatse lo? Ngoba kutheni?



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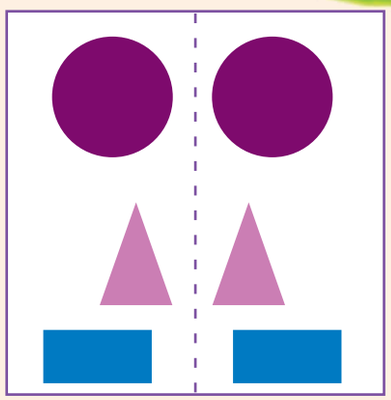




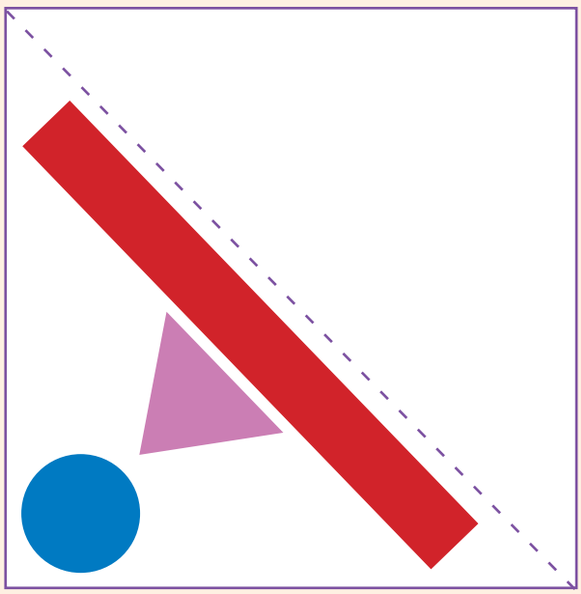
Zoba iimilo wenze umfanekiso kamatwatotse.

Sikwenzele owokuqala.

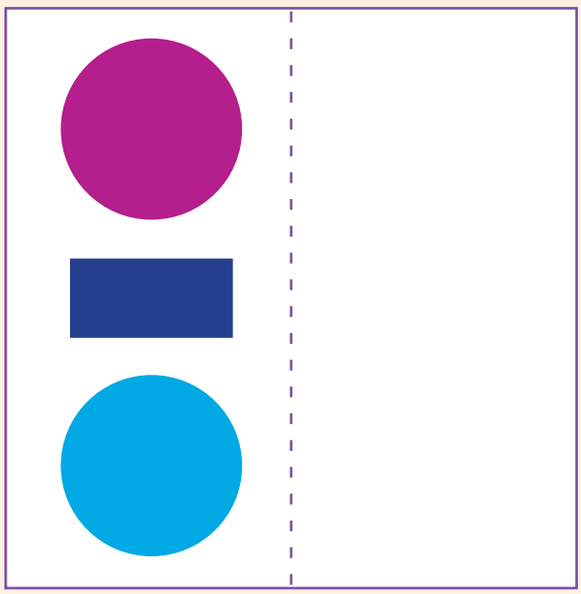
a.



b.



c.





Ziyilele eyakho ikhaphethi kamatwatotse usebenzise iimilo.



11 12 13 14 15 16 17 18 19 20

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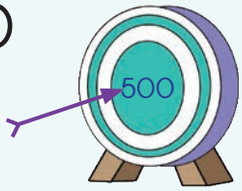


49

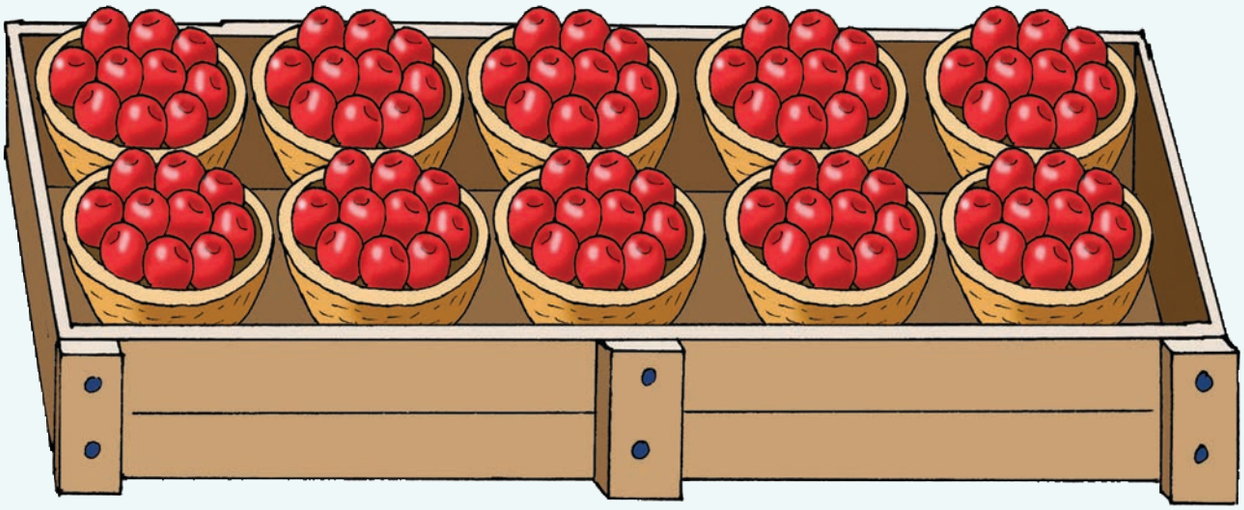
Umhla:

Ukuya kuma-500





Bala ama-apile



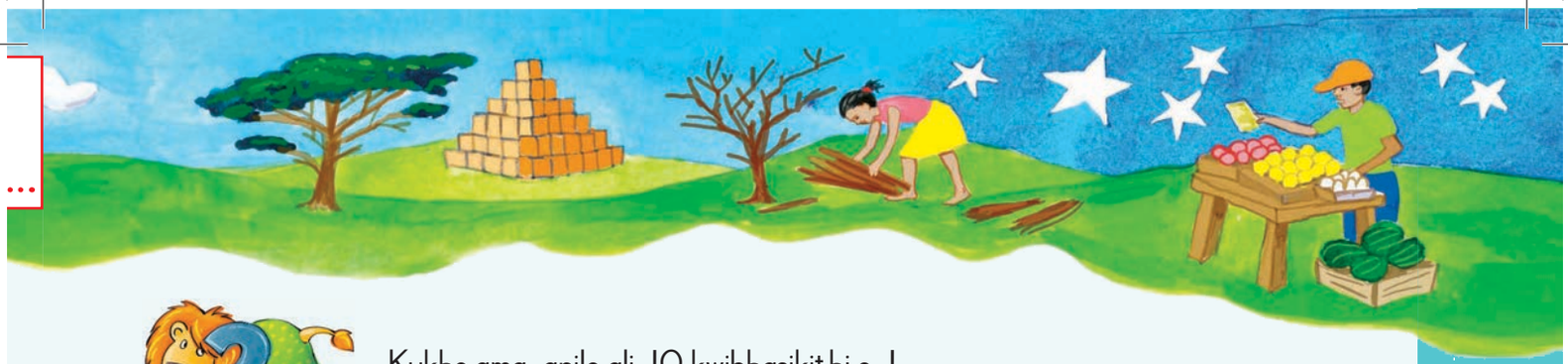
Gqibezela uphindaphinde

Ibhasikithi e-1 ithatha ama-apile a_____.	$1 \times 10 = 10$
Iibhasikithi ezi-3 zinama-apile a_____.	$3 \times 10 =$
Iibhasikithi ezi-5 zinama-apile a_____.	
Iibhasikithi ezi-4 zinama-apile a_____.	
Iibhasikithi ezi-2 zinama-apile a_____.	

Iibhokisi e-1 ithatha ama-apile ali-100.	iibhokisi ezi-2 zithatha ama-apile a__.
Iibhokisi ezi-3 zithatha ama-apile a__	iibhokisi ezi-4 zithatha ama-apile a__.
Iibhokisi ezi-5 zithatha ama-apile a__	iibhokisi ezi-2 ezizele kangangesiqinagatha zinama-apile a__.

1 2 3 4 5 6 7 8 9 10

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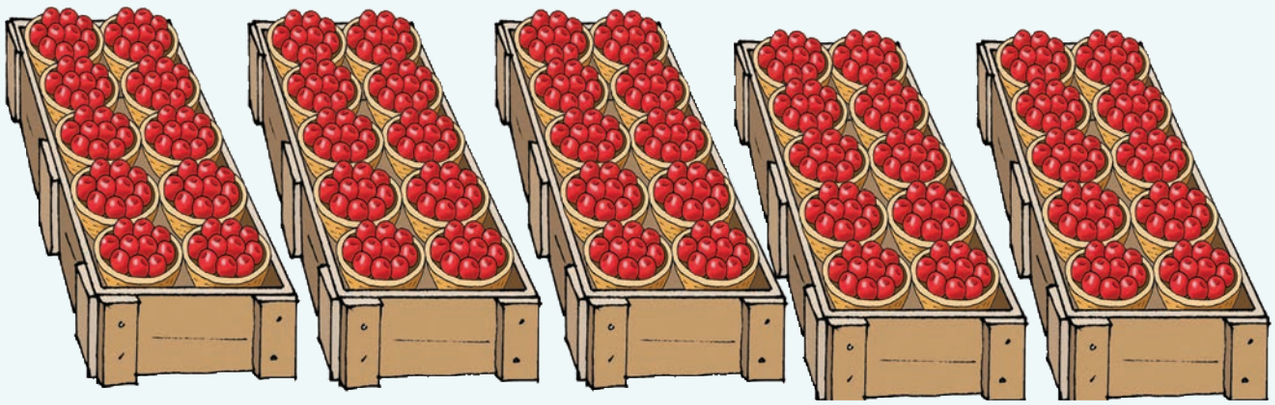


Kukho ama-apile ali-10 kwibhasikithi e-1.

Kukho iibhasikithi ezi_____ kwibhokisi enye.

Kukho ama-apile a _____ kwibhokisi enye.

Mangaphi ama-apile akhoyo ewonke? _____



Ukubala, ukubonisa nokubhala

300

40

5

Qala usebenzise amakhadi amanani ubonise isiphumo ngasinye. Bhala ke ngoku inani.

3 iikreyithi + 4 iibhasikithi + 5 ama-apile = 345 ama-apile

4 iikreyithi + 5 iibhasikithi + 7 ama-apile = _____ama-apile

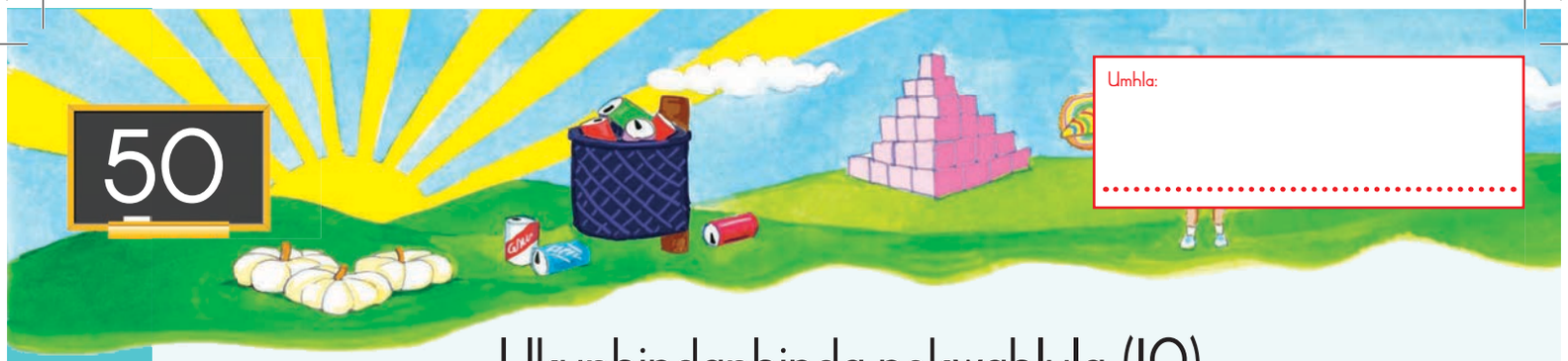
5 iikreyithi + 2 iibhasikithi + 3 ama-apile = _____ama-apile

4 iikreyithi + 7 iibhasikithi + 2 ama-apile = _____ama-apile

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50

Umhla:

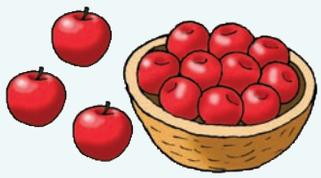
Ukuphindaphinda nokwahlula (10)



Ukubala ama-apile

Gqibezela itheyibhile

Zingaphi iibhasikithi ezinama-apile?



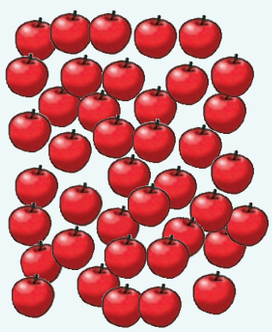
Ama-apile	10	20	30	40	50
Iibhasikithi	1	2			

isibalo so-÷					50 ÷ 10 = 5
isibalo so-×					5 × 10 = 50



Yahlulela abantwana ama-apile. Yenza umfanekiso. Bhala isibalo sokwahlula-hlula nesokuphinda-phinda ukuze uhlole impendulo yakho.









Hlola iimpendulo zakho

□ ÷ □ = □

□ × □ = □



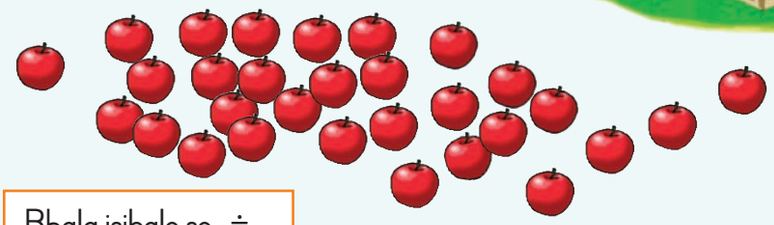
1 2 3 4 5 6 7 8 9 10

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b.





Bhala isibalo so -÷

Bhala isibalo so -× ukuze uhlole iimpendulo zakho







Sebenzisa amanani uzenzele ezakho izivakalisi zamanani.

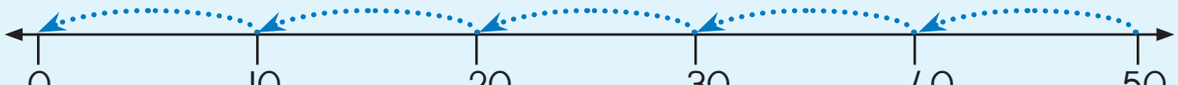


Umzekelo

÷	40 ÷ 10 = 4

×	4 × 10 = 40

a.



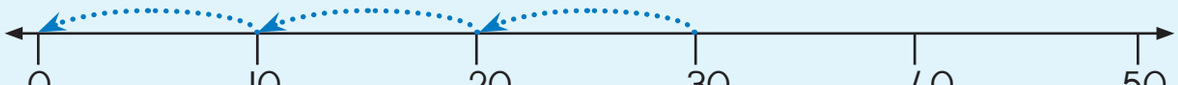
÷		×	

b.



÷		×	

c.



÷		×	

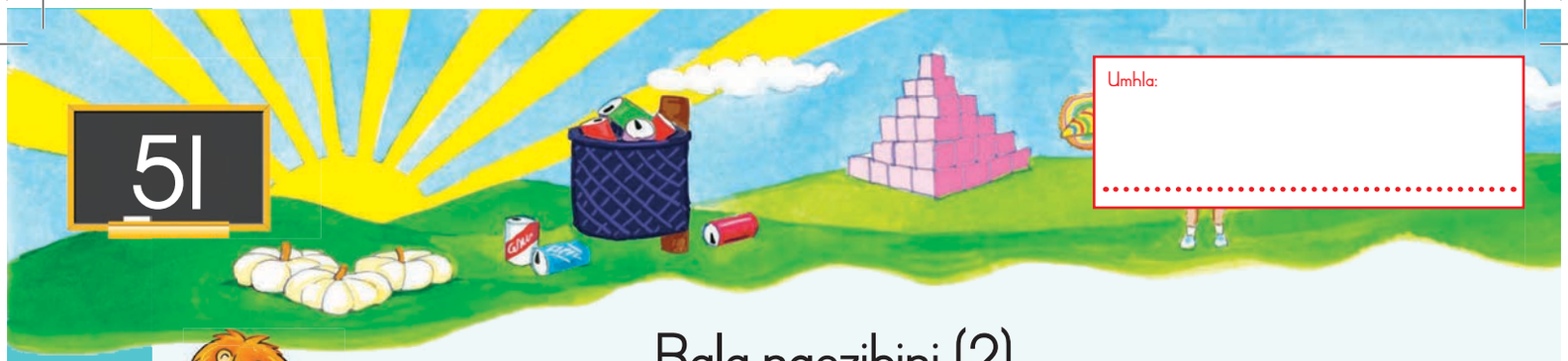


Bhala inani elincinci nge -10 nelikhulu nge -10 kunenani olinikiweyo.

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



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51

Umhla: .....

Bala ngezibini (2)



Ukubala ngezi-2 usiya phambili nokubuya umva

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

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

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

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



Izibini zeeglavu



a. Zingaphi izibini zeeglavu kumqolo omnye? _____

b. Zingaphi iiglavu ezinganye kumqolo omnye? _____

c. Mingaphi imiqolo? _____

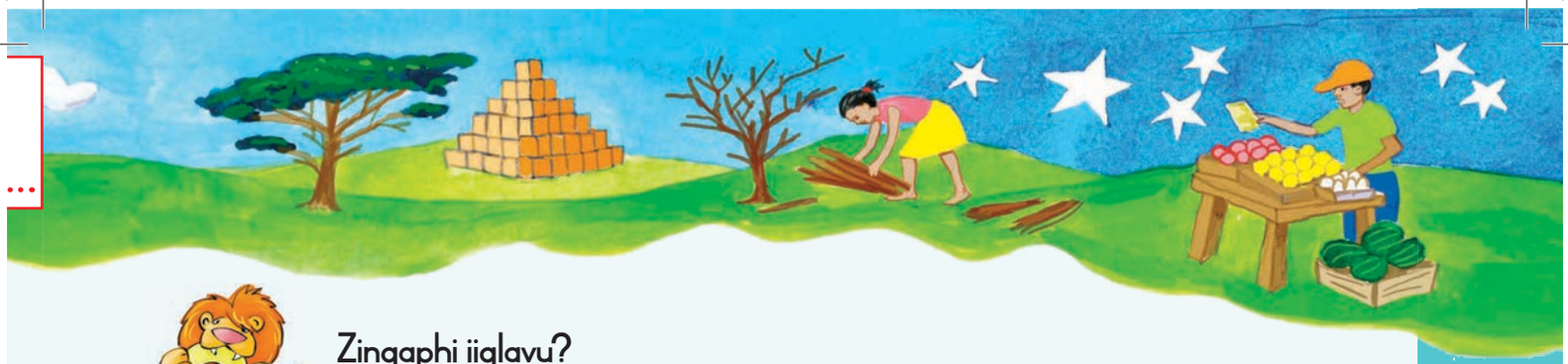
d. Zingaphi iiglavu zizonke? _____

e. Bonisa indlela obale ngayo.

f. Bhala impendulo yakho njengesivakalisi samanani.

_____ × _____ = _____

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Zingaphi iiglavu?

Bhala kwiitheyibhile.

a.

Izibini	1	10	5	50	4	40	3	30	100
Izibini zeeglavu	2								

b.

Iglavu enye	20	21	70	73
Izibini ezinokwenziwa				
Iiglavu ezinganye ezishiyekileyo				



Bala ngezibini

a. Leliphi inani eliphakathi?

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

b. Bhala amanani amabini alandelayo.

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

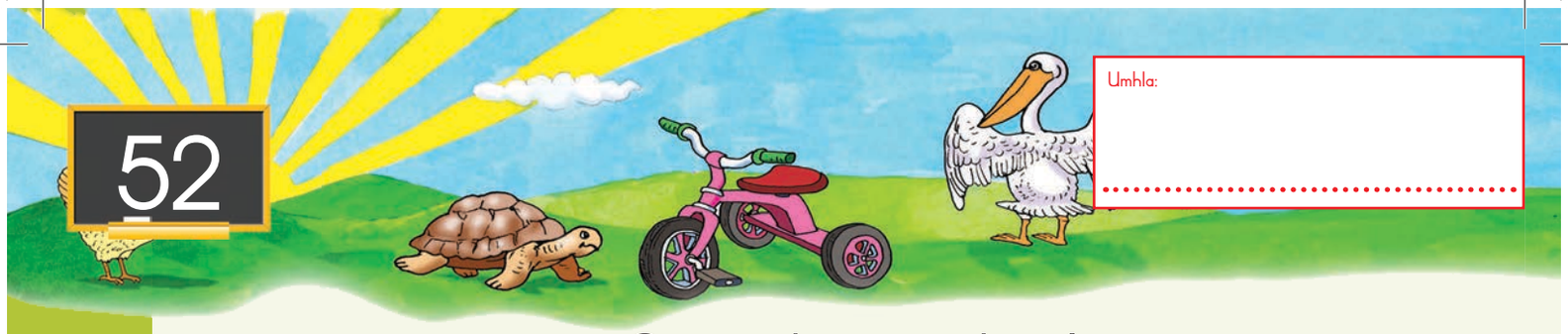
c. Bhala amanani amabini alandelayo.

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



11 12 13 14 15 16 17 18 19 20

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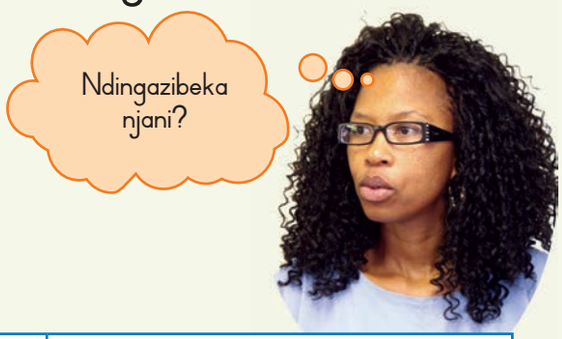
52

Umhla:

Gangatha ngeethayile



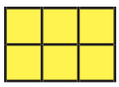
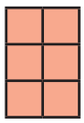
Ucwangcwiso lwegadi



UNkosikazi Mabena uneethayile zomgangatho ezintle.

Uzisebenzisa ukugangatha ecaleni kwegadi yakhe.

Kunezikwere ezi-6 ezilinganayo.

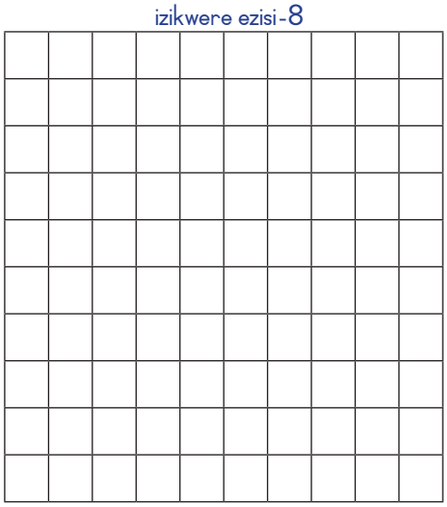
Ndingenza uluhlu olunye ngeethayile ezi-6.	Ndingenza izintlu ezi-2 ngeethayile ezi-3 kuluhlu.	Ndingenza izintlu ezi-3 ngeethayile ezi-2 kuluhlu ngalunye.
		
$6 \times 1 = 6$	$3 \times 2 = 6$	$2 \times 3 = 6$

Ngoku lithuba lakho!

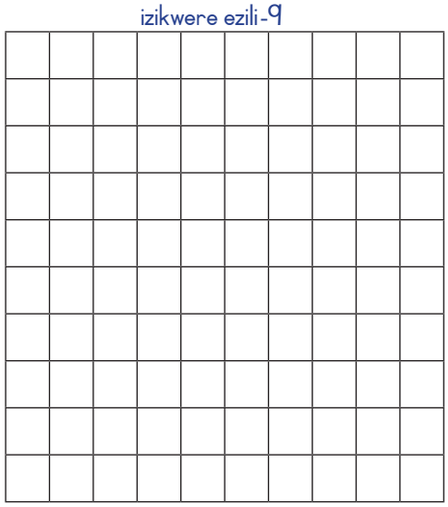
Fakela umbala kwiibloko zeethayile ubonise indlela onokuzicwangcisa ngayo izikwere zeethayile ezi-8 nezili-9.

Bhala izivakalisi-manani kumzobo ngamnye.

izikwere ezisi-8



izikwere ezili-9



1 2 3 4 5 6 7 8 9 10

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Cwangcwisa iithayile ezili-12

UThabo unezikwere zeethayile ezi-12 zokugangatha ecaleni wendlu. Mncedise afumane zonke iindlela anokwenza ngazo oko. Bhala isivakalisi samanani sendlela nganye.

Umzekelo:	$1 \times 12 = 12$ $12 \times 1 = 12$



Cwangcwisa iithayile ezingama-24

- Sebenzisa igridi ekwiphepha lomsiko 2.
- Fakela umbala iibloko ezingama-24 ngendlela ezahlukeneyo.
- Bhala izivakalisi manani utshatise imizobo nganye-nganye.



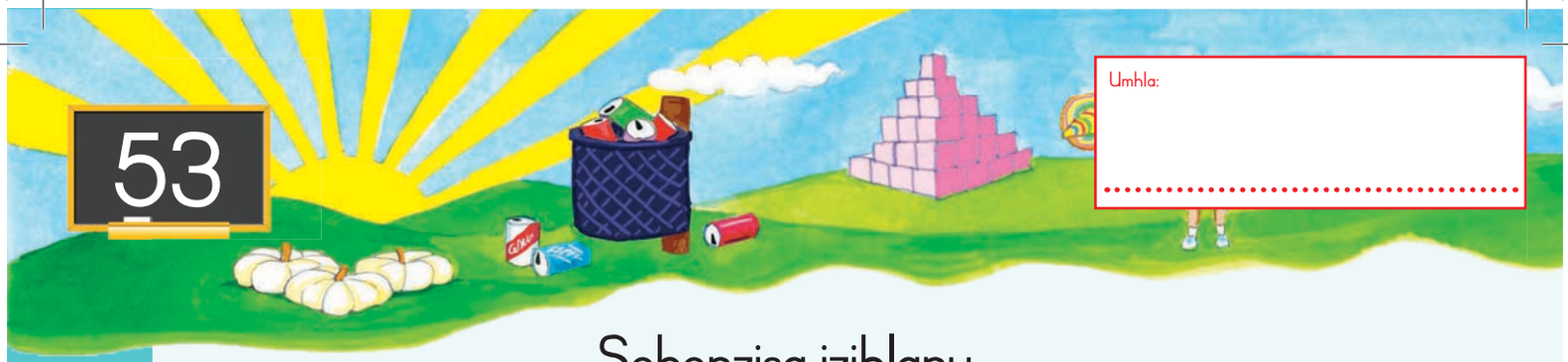
Ndiyakwazi ukuphindaphinda!

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

Teacher:
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Date:

11 12 13 14 15 16 17 18 19 20

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53

Umhla:

Sebenzisa izihlanu



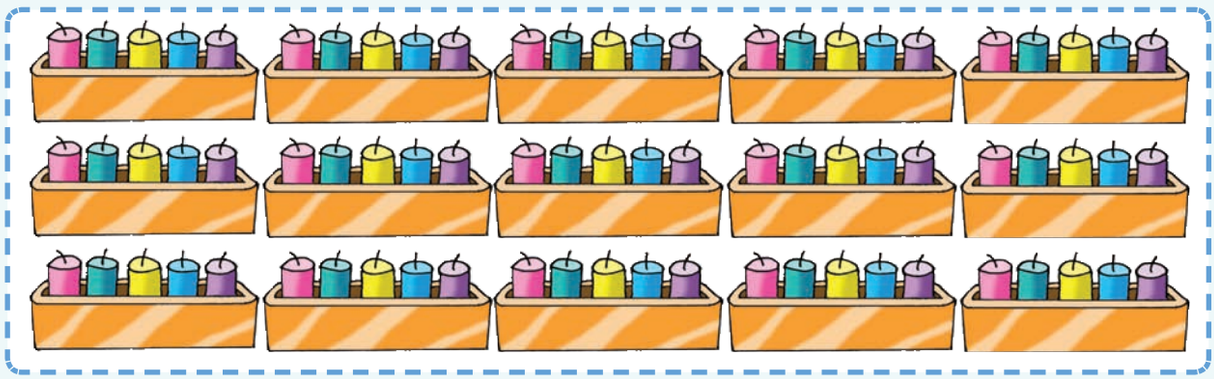
Zazi izi-5 zakho

Fakela iimpendulo.

	1	2	3	4	5	6	7	8	9	10
× 5	5									



Bala amakhandlela



a. Mangaphi amakhandlela akwibhokisi nganye? _____

b. Zingaphi iibhokisi ezikumqolo ngamnye? _____

c. Mangaphi amakhandlela akumqolo ngamnye? _____

d. Mangaphi amakhandlela ewonke? _____



Bonisa impendulo

Phawula (✓) izivakalisi zamanani ezibonisa itotali yenani lamakhandlela.

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 Bala uye phambili nasemva ngezi-5

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

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

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

5 Qokelela imali eziinkozo ze-R5



Abantwana baqokelela iingqekembe ze-R5. Kufuneka baqokelele iingqekembe ze-R5 ezingaphi ukuze babe ne-R__. Sikwenzele ezimbini zokuqala.

R5 ÷ R5 = 1 Ingqekembe (yemali)	R10 ÷ R5 = 2 iingqekembe	R15? ____	R20? ____	R25? ____
R30? ____	R35? ____	R40? ____	R45? ____	R50?

$2 \times R5 =$ R _____

$3 \times R5 =$ R _____

$4 \times R5 =$ R _____

$6 \times R5 =$ R _____

Uyayibona ipatheni?



6 Phindaphinda ngezi-5

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

Cingisisa! Thetha ngokwaziyo nokuyinyaniso!

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

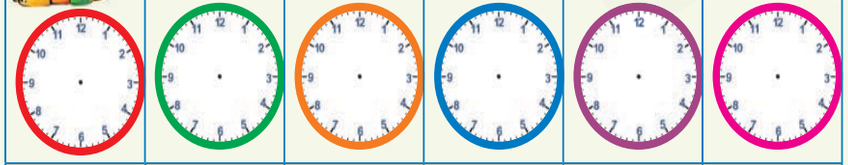
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54

Umhla:

Ukusebenza ngexesha

Zoba amaxesha

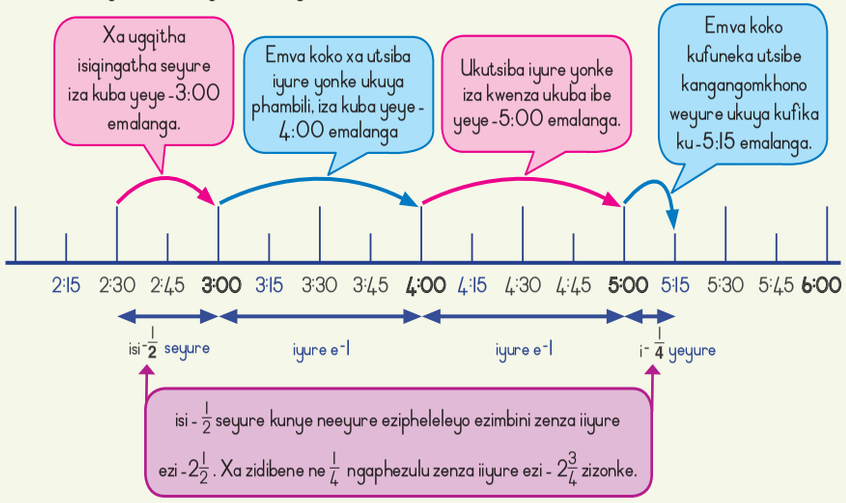


Icala emva kwentsimbi yesi-5	Ngumkhono phambi kwentsimbi yeshumi elinanye	Ngumkhono emva kwentsimbi ye-12	12:45	6:15	4:30

Amaqhina angexesha

Umama kaNomsa ulishiya ikhaya emva kwemini nge-2:30. Ubuya ngo-5:15 emalanga. Uba nexesha elingakanani engekho khaya?

Sinokusebenzisa umgca-manani wexesha ukubala oko. Beka umnwe wakho ku-2:30, ixesha elililo ngoku.



Izibalo zexesha

Qaphela. Thelekisa. Lungisa.

Sombulula ingxaki nganye. Sebenzisa imigca manani ikuncedise.

a. UNonkolo undwendwela utata wakhe eklinikhi ngo-15:45 emalanga. Umshiya ngo-17:15 emalanga.
Uhlala ixesha elingakanani.



b. UNjongo uya epakini ngo-10:45 kusasa.
Ubuyela ekhaya nge-12:30 emini.
Ebengekho ixesha elingakanani?



c. UThumeka uqalisa ukufunda ngo-13:15.
Uqqiba ngo-14:45.
Ufunde ixesha elingakanani uThumeka?



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Date:

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Umhla: .....

Bala ngezi-3 nangezi-4



Iimbiza ezinemilenze emi-3

Dibanisa uze ubhale iimpendulo.



a. Zingaphi iimbiza kumqolo ngamnye? _____

b. Mingaphi imilenze kumqolo ngamnye? _____

c. Mingaphi imiqolo yeembiza? _____

d. Mingaphi imilenze iyonke? Bonisa indlela obale ngayo.

Phawula (✓) izivakalisi manani ezibonisa itotali.

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

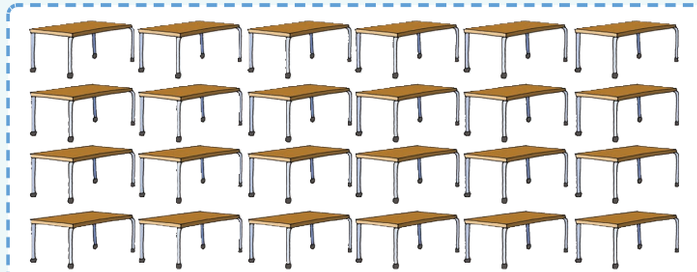


Mingaphi imilenze?

1 imbiza	3	imilenze	10 iimbiza		imilenze	5 iimbiza		imilenze
2 iimbiza		imilenze	15 iimbiza		imilenze	12 iimbiza		imilenze
5 iimbiza		imilenze	13 iimbiza		imilenze	14 iimbiza		imilenze



Imilenze yetafile



a. Zingaphi iitafile kumqolo ngamnye? _____

b. Mingaphi imilenze kumqolo ngamnye? _____

c. Mingaphi imiqolo yeetafile? _____

d. Mingaphi imilenze iyonke? Bonisa indlela obale ngayo.



Efektri



Umchweli wenza iitafile. Uqala ngemilenze.

Wenze engama-48 ukuza kuthi ga ngoku. Angenza iitafile ezingaphi? ☐

Kufuneka imilenze emingaphi ukuze enze enye itafile. ☐



Gqibezela igridi ngokufakela iimpendulo.

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



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Umhla:

Bala ngama-50



Umntwana omnye, ingubo enye!

Bangaphi abantwana? Qikelela uze ubabale.





Bonke abantwana abasemfanekisweni bafumana iingubo.
Bangaphi abantwana abakhoyo? ____

Qikelela	Bala	Thelekisa

Mangaphi ☺ amakhwenkwe? ____ Mangaphi ☺ amantombazana? ____



Bahlawula malini?

UGwazi  uthenga  ezi-2.

Uhlawula R

UNkosikazi Siko  uthenga  ezi-5

Uhlawula R



Kwivenkile yakwaThembi 

bathenga  ezingama-20.

Bahlawula R

5  ngama-R50 = R250	10  ngama-R50 = R500
4  ngama-R50 = R____	15  ngama-R50 = R____
3  ngama-R50 = R____	6  ngama-R50 = R____
7  ngama-R50 = R____	12  ngama-R50 = R____
8  ngama-R50 = R____	9  ngama-R50 = R____



Iza kuthatha ixesha elingakanani? Sebenzisa ikhalenda.

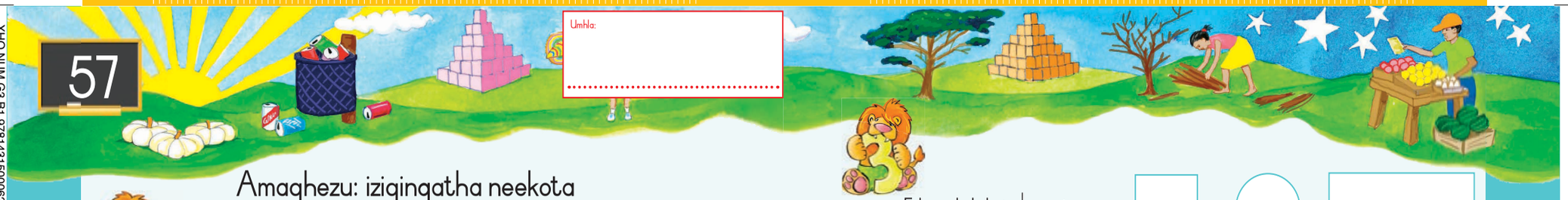
Iklasi yebanga lesi-3 iqokelela imali eza kuthenga ngayo iingubo ezi-4.
Baqokelela i-R5 ngosuku kwiintsuku ezi-5 zeveki.
Kufuneka iiveki ezingaphi ukuze baqokelele imali yeengubo?



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Umhla:

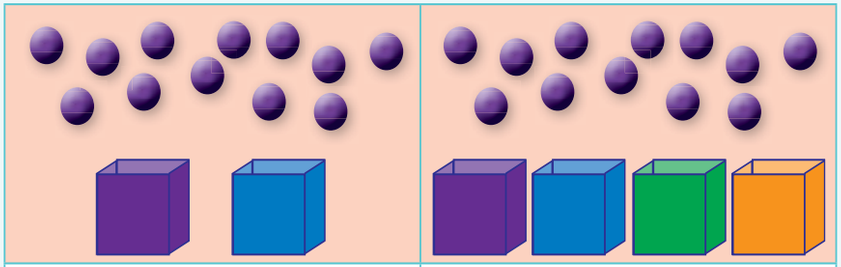
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Amaqhezu: iziqingatha neekota



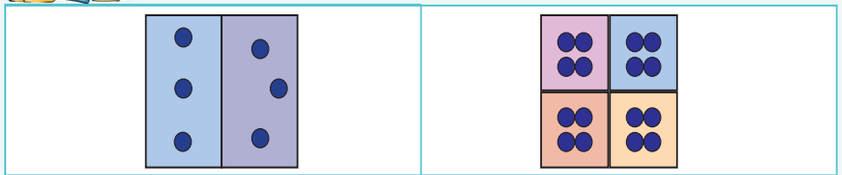
Yahlula iibhola ngokulinganayo phakathi kweebhokisi.



• Zingaphi iibhola kwibhokisi nganye? ☐	• Zingaphi iibhola ezikwibhokisi nganye? ☐
• Zingaphi iibhola ezikwibhokisi emsobo? ☐	• Zingaphi iibhola ezikwibhokisi emsobo? ☐
• Leliphi iqhezu elikwibhokisi emsobo? ☐	• Leliphi iqhezu elikwibhokisi emsobo? ☐



Jonga umfanekiso uze uphendule imibuzo.



Zingaphi izangqa ozibalileyo? ☐	Ubale izangqa ezingaphi? ☐
Nika isi-$\frac{1}{2}$ sezangqa? ☐	Nika i-$\frac{1}{4}$ yezangqa? ☐
	Nika i-$\frac{2}{4}$ yezangqa.? ☐
	Nika i-$\frac{3}{4}$ yezangqa? ☐
	Nika i-$\frac{4}{4}$ yezangqa? ☐

Faka umbala kwi-$\frac{1}{2}$ semilo nganye. ☐ ◯ ☐

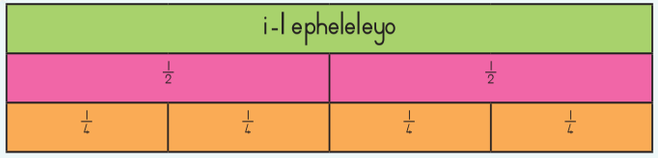
Faka umbala kwi-$\frac{1}{4}$ yemilo nganye. ☐ ◯ ☐

Faka umbala kwi-$\frac{2}{4}$ yemilo nganye. ☐ ◯ ☐

Faka umbala kwi-$\frac{3}{4}$ semilo nganye. ☐ ◯ ☐



Jonga iziqwenga zamaqhezu

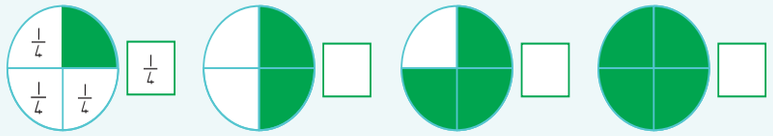


a. Zingaphi iziqingatha ($\frac{1}{2}$) eziya kwenza into enye epheleleyo? ☐

Zingaphi iikota ($\frac{1}{4}$) eziya kwenza into epheleleyo? ☐

Zingaphi iikota eziya kwenza isiqingatha? ☐

b. Jonga imifanekiso uze ubhale iqhezu lendawo enombala.



c. Leliphi iqhezu elikhulu, sisi-$\frac{1}{2}$ okanye yi-$\frac{1}{4}$? ☐

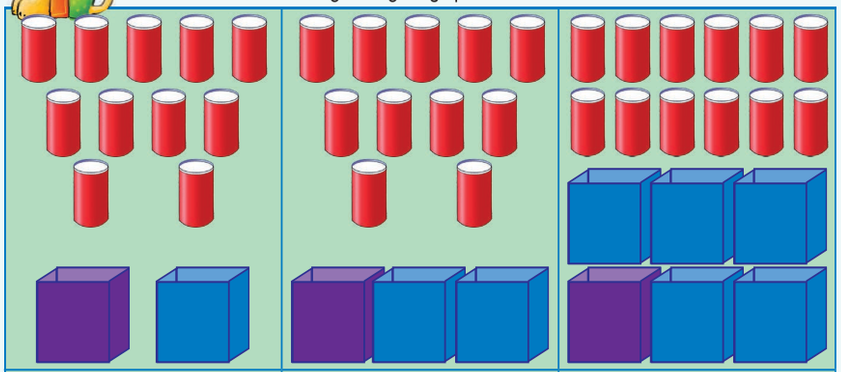


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Umhla:

Amaqhezu: iziqingatha, izithathu nezithandathu

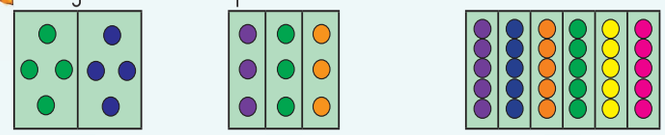
Yahlula iitoti (iisilinda) ngokulinganayo phakathi kweebhokisi.



Iitoti zizonke: 12

- Zingaphi iitoti ezikwibhokisi emsobo? 6
- Leliphi iqhezu elikwibhokisi emsobo? $\frac{1}{2}$

Jonga imifanekiso uze uphendule imibuzo.



Zingaphi izangqa ozibalayo? ☐

Nika isi-$\frac{1}{2}$ sezangqa? ☐

Nika isi-$\frac{1}{3}$ sezangqa? ☐

Nika-$\frac{2}{3}$ sezangqa? ☐

Nika-$\frac{3}{3}$ sezangqa? ☐

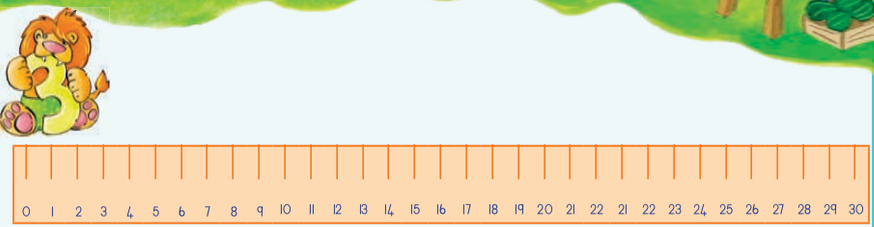
Nika i-$\frac{1}{6}$ sezangqa? ☐

Nika i-$\frac{2}{6}$ sezangqa? ☐

Nika i-$\frac{3}{6}$ sezangqa? ☐

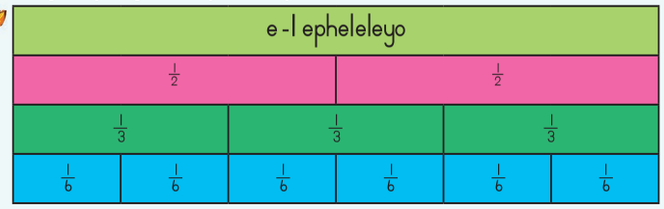
Nika i-$\frac{4}{6}$ sezangqa? ☐

Nika i-$\frac{5}{6}$ sezangqa? ☐



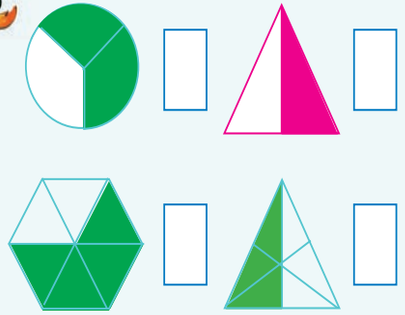
- Bonisa isi-$\frac{1}{2}$ sobude berula. Silingana ne-... cm.
- Bonisa isinye kwisithathu kwirula. Silingana ne... cm
- Bonisa isinye kwisithandathu kwirula. Silingana ne... cm

Jonga iziqwenga zamaqhezu. Gqibezela izivakalisi.



- Kukho iziqingatha ezi... kwinto enye epheleleyo.
- Kukho izithathu ezi... kwinto enye epheleleyo.
- Kukho izithandathu ezi... kwinto enye epheleleyo.
- Kukho izithandathu ezi... kwisiqingatha.
- Kukho izithandathu ezi... kwisithathu.

Bhala iqhezu lendawo enombala.



Biyela ngesangqa iqhezu elikhulu.

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

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

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

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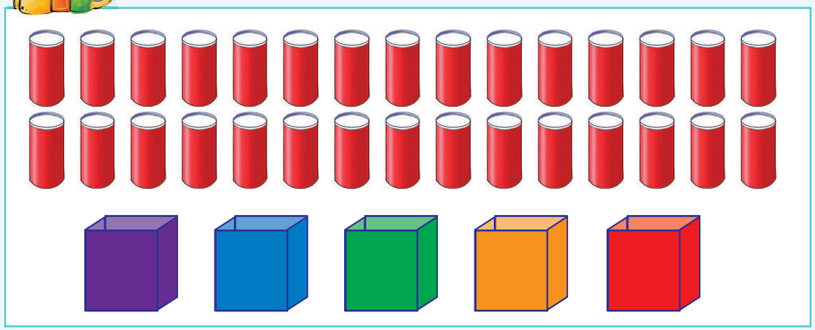
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Amaqhezu: izihlanu



Yahlula iitoti zingene kwiibhokisi ezi-5.



- Kwisihlanu esinye seebhokisi kukho iitoti ezi 6 .
- Kwizihlanu ezibini zeebhokisi kukho iitoti ezi ☐ .
- Kwizihlanu ezithathu zeebhokisi kukho iitoti ezi ☐ .
- Kwizihlanu ezine zeebhokisi kukho iitoti ezi ☐ .
- Kwizihlanu ezihlanu zeebhokisi kukho iitoti ezi ☐ .



Jonga umfanekiso uze uphendule imibuzo.

Zingaphi iitshokolethi ezisebhokisini? ☐

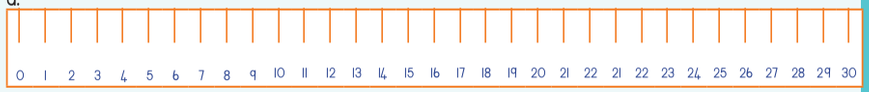


- Isihlanu esinye seetshokolethi silingana ne ☐
- Izihlanu ezibini zeetshokolethi zilingana ne ☐
- Izihlanu ezithathu zeetshokolethi zilingana ne ☐
- Izihlanu ezine zeetshokolethi zilingana ne ☐
- Izihlanu ezihlanu zeetshokolethi zilingana ne ☐
- Ngosuku lokuqala ndatya isi- $\frac{1}{5}$ seetshokolethi. Zingaphi iitshokolethi ezishiyekileyo? ☐
- Ngosuku lwesibini ndatya esinye isi- $\frac{1}{5}$. Zingaphi iitshokolethi ezishiyekileyo? ☐



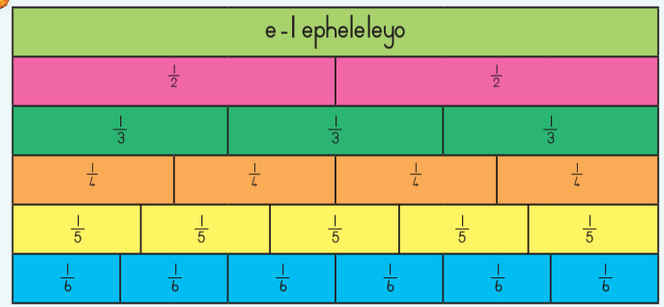
Fakela umbala kwi- $\frac{1}{5}$ serula yokulinganisa

a.





Jonga iziqwenga zamaqhezu uze uphendule imibuzo.



Biyela ngesangqa sikhulu- okanye sincinci-

a. $\frac{1}{2}$ (sikhulu) /sincinci kune- $\frac{1}{4}$.

b. $\frac{1}{3}$ sikhulu/sincinci kune- $\frac{1}{2}$.

c. $\frac{1}{5}$ sikhulu/sincinci kune- $\frac{1}{6}$.

d. $\frac{1}{6}$ sikhulu/sincinci kune- $\frac{1}{3}$.

e. $\frac{3}{6}$ sikhulu/sincinci kune- $\frac{2}{5}$.



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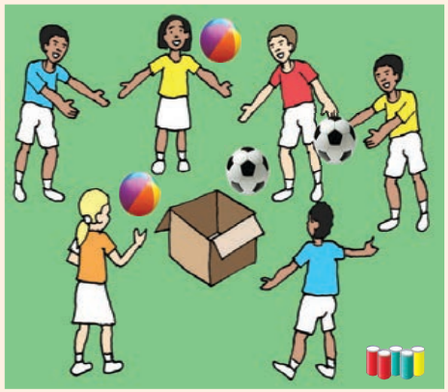
Umhla:

Izinto ezinemilinganiselo emi-3 (3D)

Bala iibhokisi (iiprizimu). ☐

Bala iibhola (iingqakumba) ☐

Bala iisilinda ☐



Zonke ezi zinto ziibhokisi

Zenze ngamaphepha aphuma kuMsiko 3 noMsiko 4.



Umphezulu osicaba ubizwa ngokuba bubuso. Ncamathelisa okanye zoba ubuso obuncumileyo kubuso ngabunye bebhokisi. Zingaphi iimbuso ozincamathelisileyo:



ityhubhu ☐ iprizimu ☐ iprizimu ☐

Ingaba iimbuso zeprizimu zimcaba okanye zigobile? ☐

Yenza ke ngoku isilinda ngephepha lolMsiko 4.

Ingaba iimbuso zesilinda zimcaba okanye zigobile? ☐

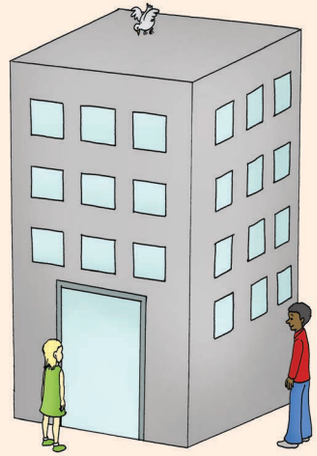
Sebenzisa izinto zakho wakhe oku kulandelayo.

Chaza indawo yesilinda usebenzise la magama.

Ecaleni	Ngaphambili	Ngaphezulu



Sebenzisa amagama angezantsi ugqibezele izivakalisi



Intombazana ijonge ku _____ wesakhiwo.

Indoda ijonge kwi _____ lesakhiwo.

Intaka ijonge ku_____ wesakhiwo

cala	mphezulu	mphambili

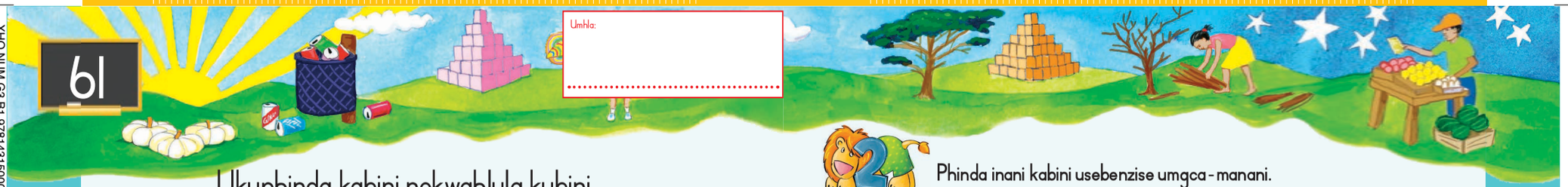
Teacher:

Sign:

Date:

Umhla:

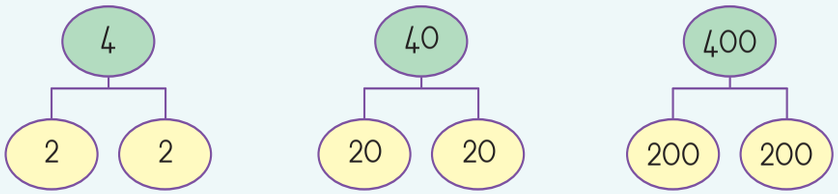
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Ukuphinda kabini nokwahlula kubini

Usakhumbula?	isi-2 sisiqingatha sesi-4	isi-4 sisi-2 esiphindwe kabini
	ama-20 sisiqingatha sama-40	ama-40 ngama-20 aphindwe kabini
	ama-200 sisiqingatha sama-400	ama-400 ngama-200 aphindwe kabini

Khumbula! Oku singakubonisa ngomfanekiso...





Ukufumana iziqingatha (iihafu)

a. 100 b. 200 c. 180

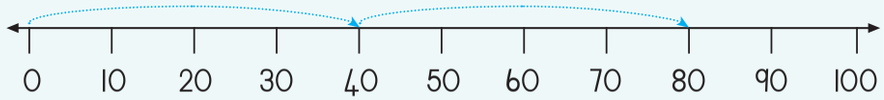
d. 300 e. 150 f. 370



Umzekelo

Phinda inani kabini usebenzise umgca-manani.
Sikwenzele umzekelo wokuqala.

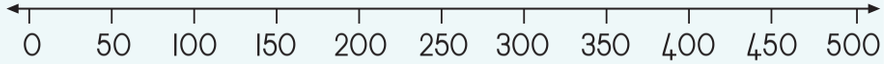
Phinda kabini ama-40: 40 + 40 = 80



Phinda kabini ama-60: ☐ + ☐ = ☐



Phinda kabini i-150: ☐ + ☐ = ☐



Phinda kabini ama-200: ☐ + ☐ = ☐





Qgibezela oku kulandelayo

a. Phinda kabini -100	200
b. Phinda kabini -150	
c. Phinda kabini -120	
d. Phinda kabini -150	
e. Phinda kabini -170	



Qgibezela oku kulandelayo

a. isiqingatha sama-220	110
b. isiqingatha se-180	
c. isiqingatha sama-260	
d. isiqingatha sama-60	
e. isiqingatha sama-320	

Teacher:
Sign:
Date:

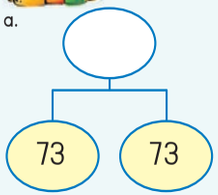
62

Umhla: .....

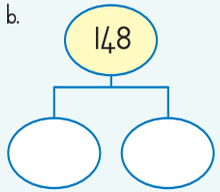
Okunye ngokuphinda kabini nokwahlula kubini

Khangela uphindaphindo kabini okanye iziqingatha

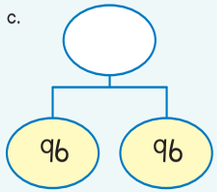
a.



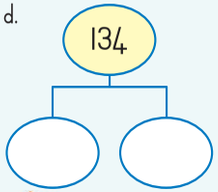
b.



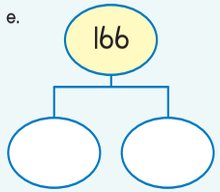
c.



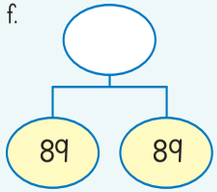
d.



e.



f.



Gcina imali yokuthenga ibhayisekile

UNtsasa ugcina ama -R25 ngeveki ukuze athenge ibhayisekile. Kufuneka agcine imali iiveki ezingaphi?

Impendulo: _____ iiveki

Intengiso R450

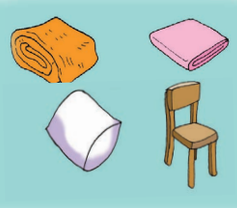
Ixabiso elisisiqingatha: ibixabisa R900



Intengiso

Zonke izinto ezithengiswayo zithengiswa ngesiqingatha sexabiso. Bhala ixabiso lentengiso kufutshane nento ethengiswayo.

a. Iingubo R190
Ixabiso lentengiso _____



b. Amashiti R154
Ixabiso lentengiso _____

c. Imiqamelo R54
Ixabiso lentengiso _____

d. Izitulo R220
Ixabiso lentengiso _____

Ziirandi ezingaphi?


R135

USenzo ufuna ihempe. Unesiqingatha sesixa kuphela.
Kufuneka abe namalini ngoku? R_____


R78,50

Izihlangu zikaSiko zibiza kabini kunezi.
Zibiza malini izihlangu zikaSiko? R_____

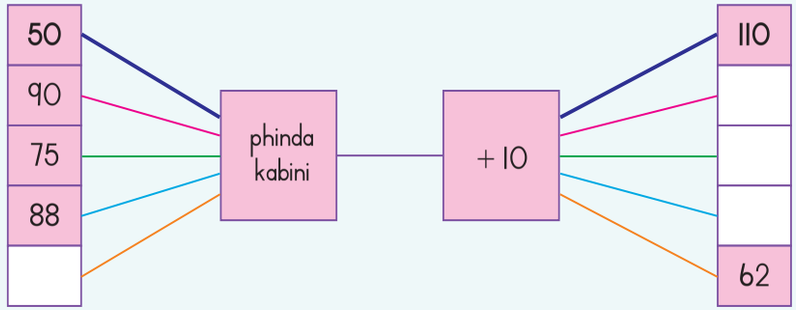

R97

Ilokhwe kaPhindi ixabisa kabini kuneli ixabiso.
Ingaba ilokhwe kaPhindi ixabisa malini? R_____

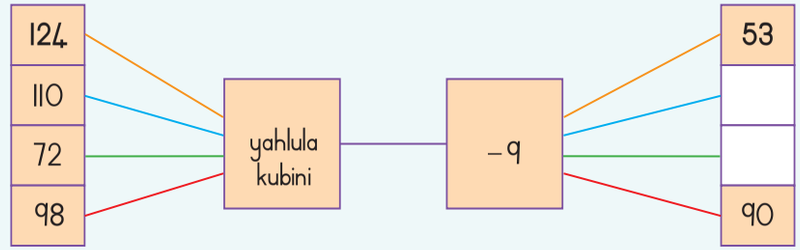
Kungena ntoni? Kuphuma ntoni?

Landela umzekelo. Gcwalisa amanani ashiyelelweyo.

a.



b.



Teacher:
Sign:
Date:

Umhla: .....

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Umhla:



Qukanisa uze udibanise

Qukanisa abantwana

UNkosikazi Ndaba ufuna ukwahlula iklasi ibe ngamaqela alinganayo aza kudlala imidlalo yaphandle. Okokuqala ubahlula babe ngamaqela ama -4.



a. Bala abantwana.

Qaphela. Thelekisa.

b. Wenza amaqela amangaphi?

b. Bonisa zonke ezinye iindlela uNkosikazi Ndaba anokuzisebenzisa ukwenza amaqela abantwana.

_____

_____

_____

_____



Zingaphi iimpahla?



UPhindi uneehempe ezi -5 ezimibalabala neebhulukhwe ezimfutshane ezimibalabala ezi -5. Zingaphi iimpahla ezahlukeneyo anokuzenza edibanisa imibala eyahlukeneyo?

Umzekelo: Ihempe ezuba/ibhulukhwe emfutshane ezuba. Ihempe ezuba/ibhulukhwe emfutshane eorenji.

Bhala unobumba wokuqala wombala ngamnye. Bonisa zonke ezinye iimpahla ezinokwenziwa.

_____

_____

_____

_____

_____

_____

Thelekelela: Bekunokwenzeka ntoni xa uPhindi ebenemibala emi -6 eyahlukeneyo yeehempe neebhulukhwe ezimfutshane? Zingaphi iimpahla anokuzenza?

Qaphela. Thelekisa. Lungisa.

Teacher:
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Date:

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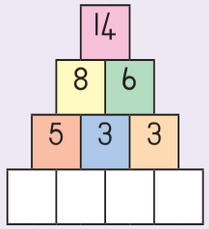


Ukonwaba ngezibalo

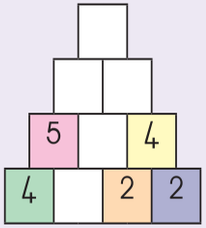


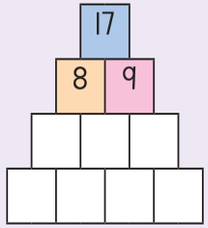
Khangela umthetho

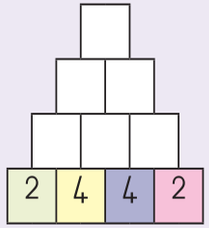
Sebenzisa umthetho ukuze ufumane amanani angekhoyo.



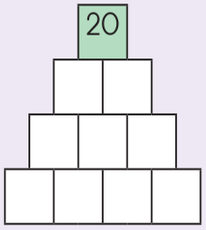
Yenza oku

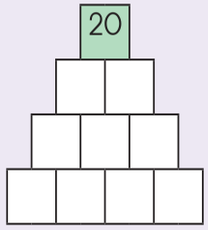


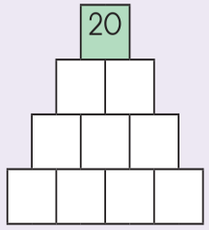




Yakha ama-20 ngeendlela ezi-3 ezahlukeneyo









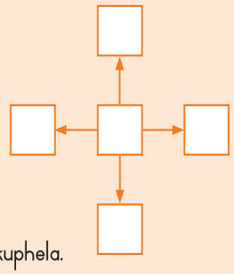
Umngeni



Sebenzisa amanani 1, 2, 3, 4, no-5.

Amanani amathathu kumqolo ngamnye kufuneka enze i-10 xa edibene.

Umthetho: Sebenzisa inani ngalinye kube kanye kuphela.





Khangela amanani

a. Umthetho: Amanani akumqolo ngamnye kufuneka anike isiphumo esili-16 edibene.

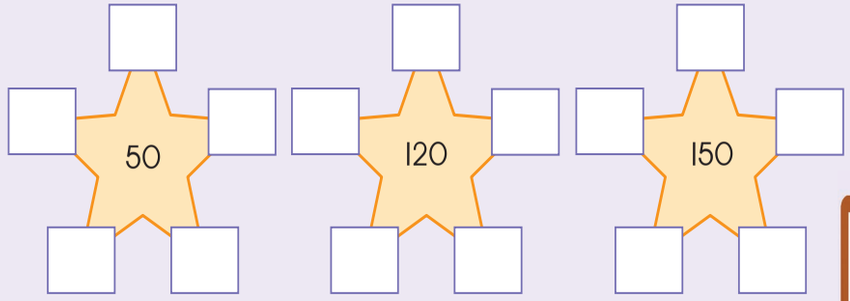
2	5	3	6
			2
		2	

b. Umthetho: Amanani ama-3 kwimiqolo exwesileyo nakwiikholamu ezihlayo mawanike isiphumo esifanayo xa edibene.

2	7	6
9		1
	3	8

23	28	21
12		26
	10	

c. Umthetho: Fakela nokuba ngawaphi amanani ama-5 athi xa edityanisiwe anike inani elisembindini wenkwenkwezi.



Teacher:
Sign:
Date:

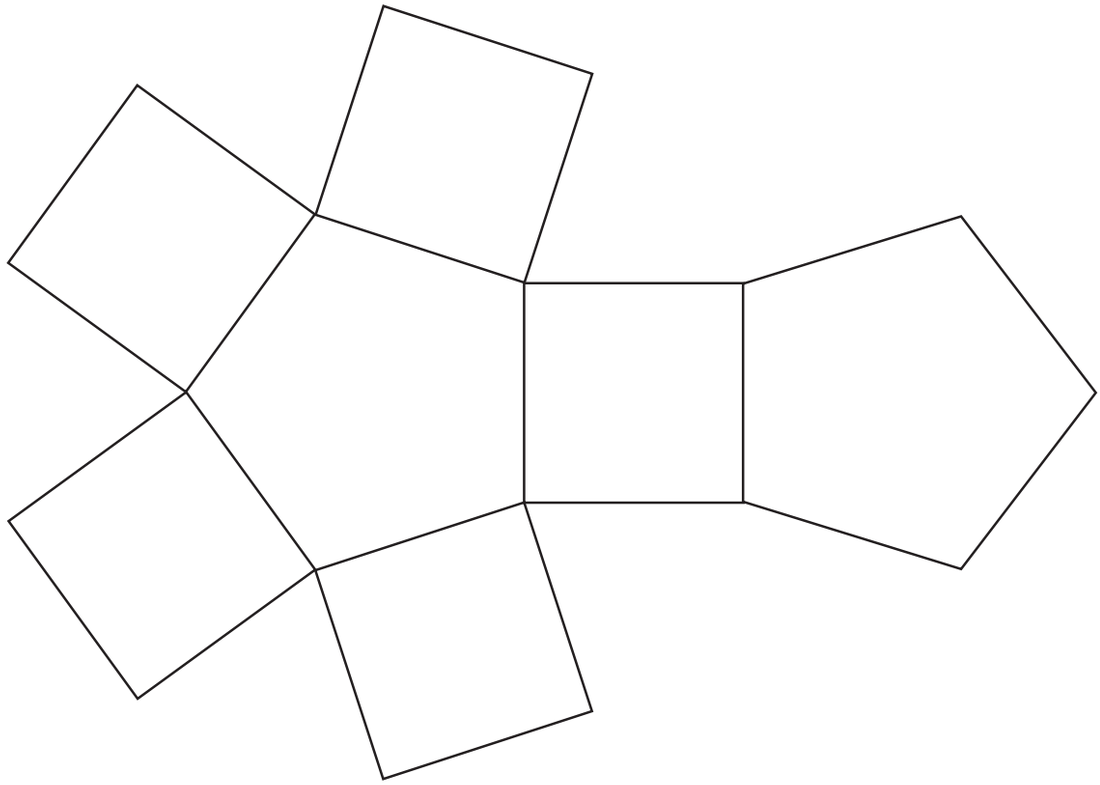
1	1	0	1	0	0
2	2	0	2	0	0
3	3	0	3	0	0
4	4	0	4	0	0
5	5	0	5	0	0
6	6	0	6	0	0
7	7	0	7	0	0
8	8	0	8	0	0
9	9	0	9	0	0

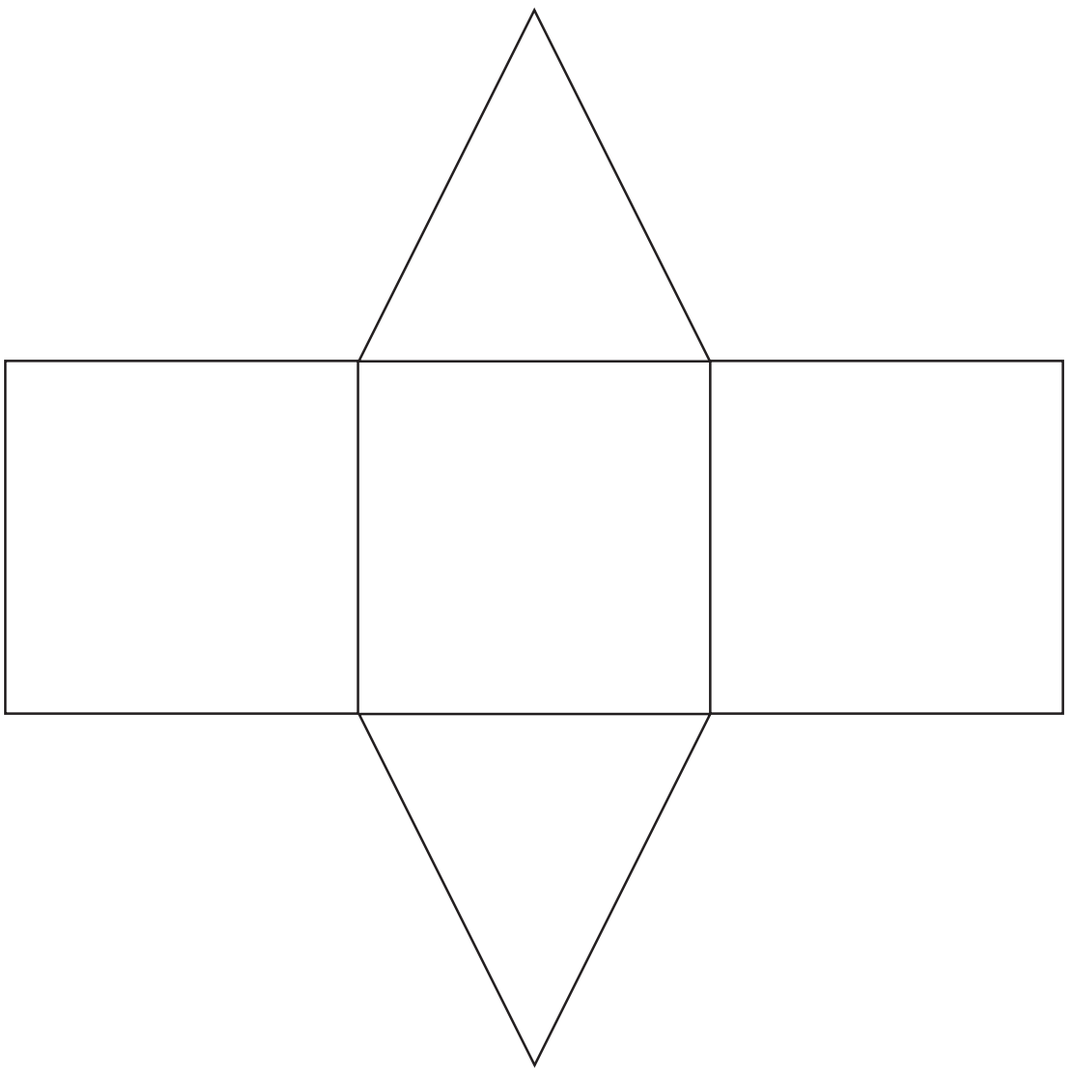
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1	0	0	1	0	1
2	0	0	2	0	2
3	0	0	3	0	3
4	0	0	4	0	4
5	0	0	5	0	5
6	0	0	6	0	6
7	0	0	7	0	7
8	0	0	8	0	8
9	0	0	9	0	9

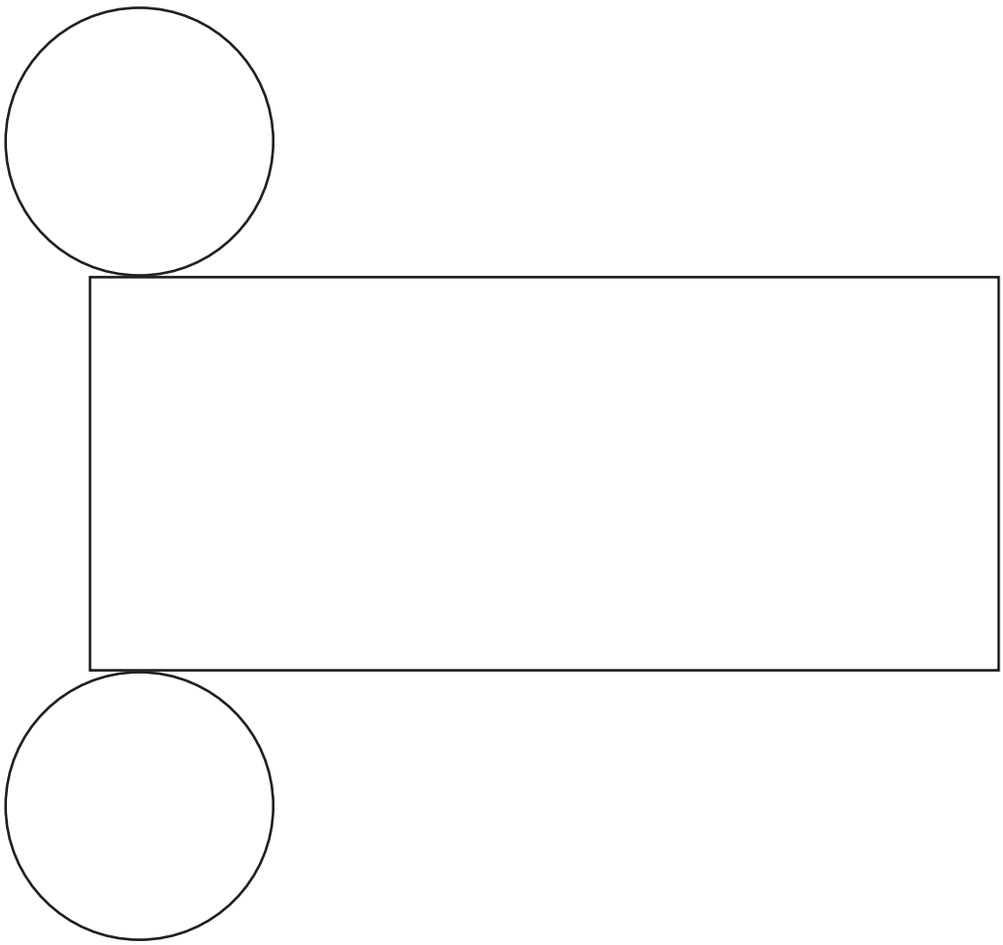
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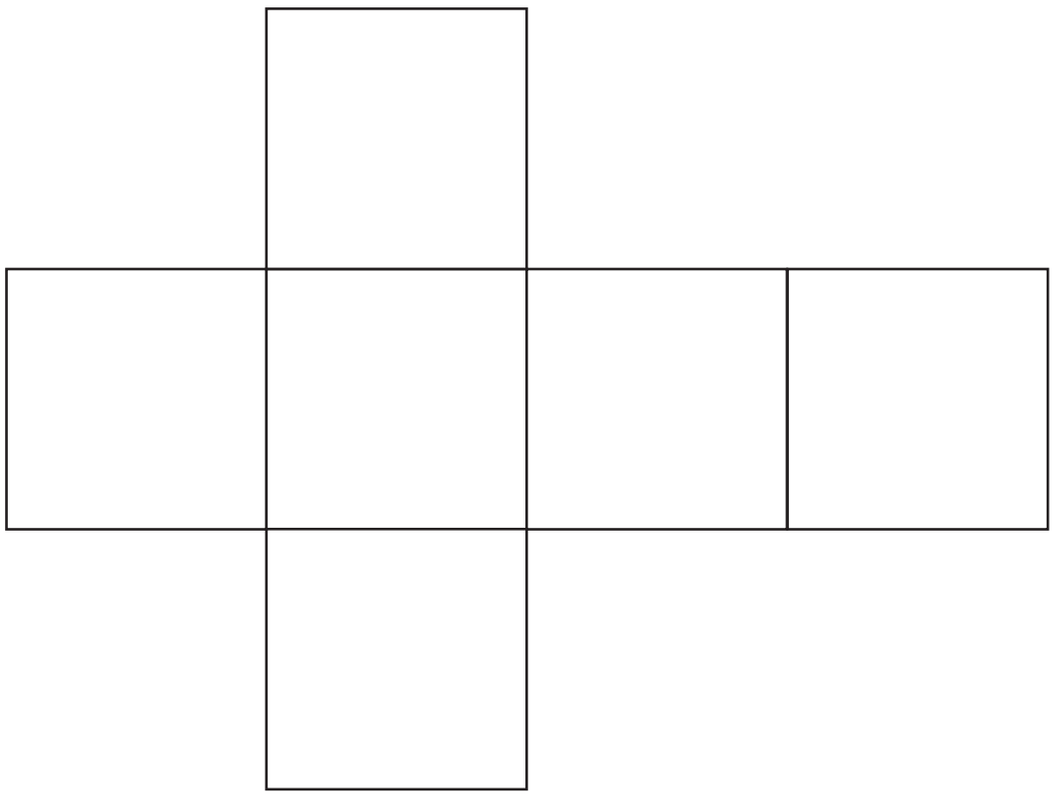
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