Ukufunda ngoMthethosisekelo weRiphabliki yeSewula (1996)

UMthethosisekelo weSewula Afrika (1996) umumethe imithetho yenarha eseqophelweni eliphezulu. Imithetho le kumele ilandelwe ngumongameli wenarha, abaphathi beenkundla zemithetho kanye nalabo abasembusweni.

Imithetho le ihlathulula kobana abantu benarha bafenele baphathane njani, ukuthi ngimaphi amalungelo wabo nokuthi ngiziphi iimbopho abanazo. UMthethosisekelo wenzelwe ukusivikela soke thina kanye nabentwana bethu ngomuso.

Kuqakathekile ukwazi izehlakalo zesikhathini esidlulile ko.	Asingabu yeleli iimphoso zangesi khathi esidlulile ko.	UMthethosise kelo usisiza ukucabanga nok wakha ilingomuso eling cono lethu so ke.

Thina, abantu beSewula Afrika;

Siyakwazi ukungaphatheki kwethu ngokomthetho esikhathini esadlulako;

Siphathela phezulu abahlukunyezwa ngebanga lokobana kubenokulunga begodu nekululeko enarheni yekhethu;

Sihlonipha labo abasebenze ekwakheni begodu nekuthuthukiseni iphasi lekhethu; begodu

Bakholelwa bonyana iSewula Afrika ngeyabo boke abahlala kiyo, sibambene ngokwahlukahlukana kwethu.

Ngalakho-ke, ngabajameli bethu abakhethwe ngokukhululekileko; samukela uMthetho-sisekelo lo njengoMthetho wokuthoma weRiphabliki oza—

Kuqeda ukwahlukana okwadlulako begodu sakhe umphakathi ozokudzimelela kuminqopho yentando yenengi ubulungiswa begodu namalungelo wangokomthetho wobuntu.

Ukubeka isisekelo sentando yenengi begodu nomphakathi onzinzileko lapho umbuso unzinze khona phezu kwentando yesitjhaba begodu lapho zoke izakhamuzi zivikelwe khona ngokomthetho.

Ukwenza ncono izinga lepilo yazo zoke izakhamuzi begodu nokuvezwa kwekgono lawo woke umuntu;

Ukwakha, iSewula Afrika ebumbeneko begodu nenentando yenengi ezokwazi ukuthatha indawo yayo njengenarha ezijameleko emndenini weentjhabatjhaba.

Funa ngekani amalungelo wakho njengesa khamuzi seSewula Afrika bewube nesibopho sokuvikela amalungelo wabanye abantu.	Ukwazi umThethomling wa wamalungelo Kanye nomThethomling wa weembopho.

UZimu akavikele abantu bekhethu.
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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MATHEMATICS IN ISINDEBELE
GRADE 3 – BOOK 1
TERMS 1 & 2
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Ukubuyekeza, ihlaliswe ngokwesiTatimende seKharukhyulamu nomThethomgomo wokuhlola.



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IGreyidi 3

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Ithemu 1&2

Ibizo:

Itlasi:

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UKkz. Angie Motshekga, nguNqgonqgotjhe wezeFundo-Sisekelo



UNom Enver Surty, nguSekela kaNqgonqgotjhe wezeFundo-Sisekelo

Iincwadi lezi zenzelwe abentwana beSewula Afrika ngaphasi koburholi bakaNqgonqgotjhe wezeFundo-Sisekelo, uMma u-Angie Motshekga, kanye neSekela lakaNqgonqgotjhe wezeFundo-Sisekelo, uNom. Enver Surty.

Iincwadi zokuSebenzela zakwaRainbow ziyingcenye yeendlela ezinengi zomNyango wezeFundo-Sisekelo wokungenelela onqophe ukuthuthukisa ukusebenza ngcono kwabafundi beSewula Afrika kumagreyidi wokuthoma asithandathu. Njengamanye wamaHlelo womBuso aphuma phambili, iphrojekthi le isekelwe ngeemali ezibuya esiKhwameni seeMali seLizweloke. Lokhu kusize umNyango ukukhupha iincwadi zokusebenzela lezi ngawo woke amalimi asemthethweni ngaphandle kweendleko.

Siyathemba kobana nizokufunyana iincwadi zokusebenzela lezi zilisizo khulu ekufundiseni kwenu kwangamalanga kanye nokuqinisekisa kobana abafundi benu bayayiqeda ikharikhyulamu. Sitjheje khudlwana ukuhlahla abotitjhere komunye nomunye umsebenzi ngokusebenzisa iinthombe ezitjengisako bona ngikuphi umfundi amele akwenze.

Siyathemba kobana abentwana bazokuthabela ukusebenzisa iincwadi lezi njengombana bakhula bebafunda nje, begodu wena titjhere uzokwabelana nabo ithabo lokufunda.

Sinifisela ipumelelo ekusebenziseni iincwadi lezi.

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Incwadi le ngeyaka:

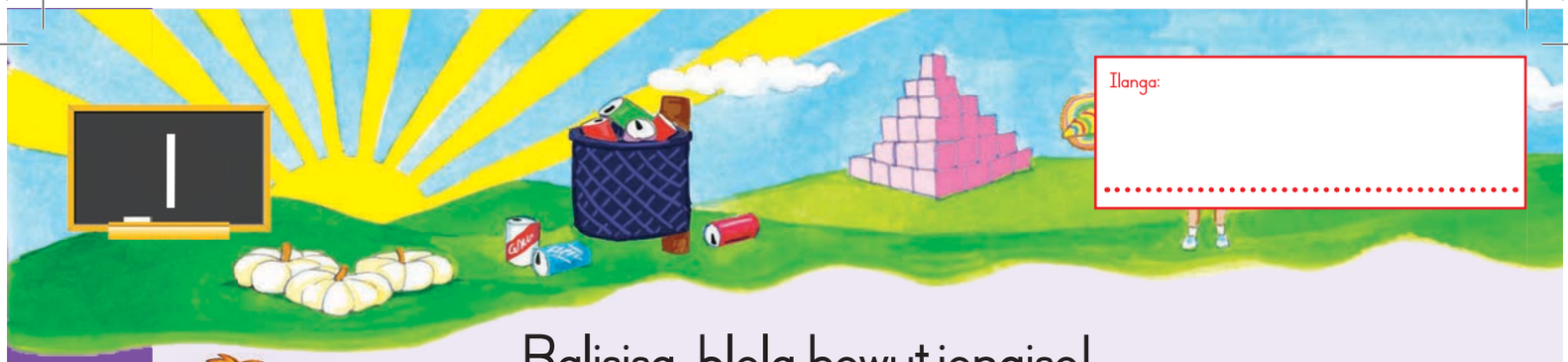
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ISINDEBELE

Incwadi 1

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Ilanga:

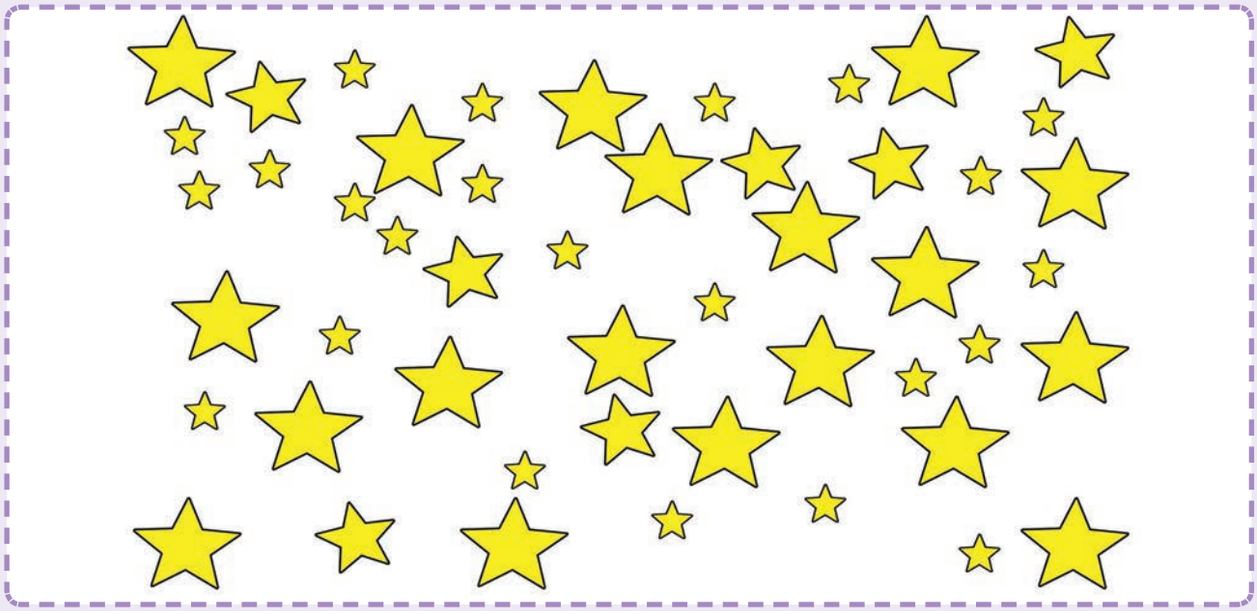
.....

Balisisa, hlela bewutjengise!



Ziinkwekwezi ezingaki?

Madanisa iimpendulo.



Linganisa kobana ziinkwekwezi ezingaki. _____

Kwanjesi zibale! _____



Thola othumbileko!

Ngubani olinganise kuhle khulu?

Zalisa amabizo wakho neempendulo etheyibuleni le.

Ibizo				
Isilinganiso				
Inomboro ebaliweko				
Umehluko hlangana nesilinganiso sakho nokubala kwakho				



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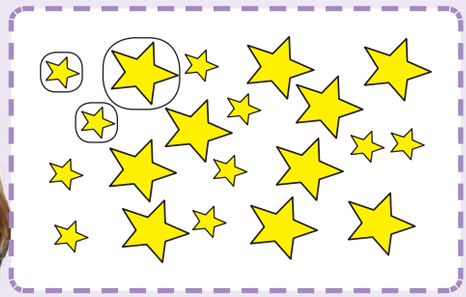




Iindlela zokubala. Sisiza ukuzitlola.



Ngibale ngaku-1.



I, 2, 3, _____

_____



2 _____

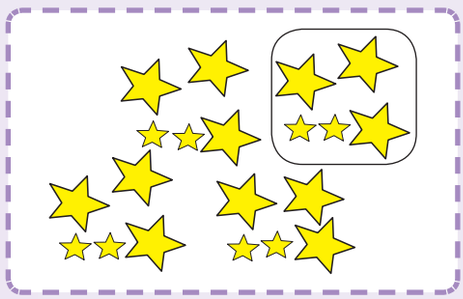
_____

Ngibale ngaku-2.



Ngibale ngaku-5.





5 _____

_____



_____

_____



Ngibale nge-10.



Tlola iinomboro zemitjho

Lokha nawuhlanganisa iinomboro ezinye nezinye ezimbili akwenzi litho kobana zilandelana njani.

Tlola imitjho emibili ukunikela ithothali yesibalo seenkwekwezi ezikulu nezincani ezisekasini le-2. Zitlole ngeendlela ezimbili.

Ekulu Encani Ngendlela le *namkha* ngendlela le

 +  = _____

 +  = _____

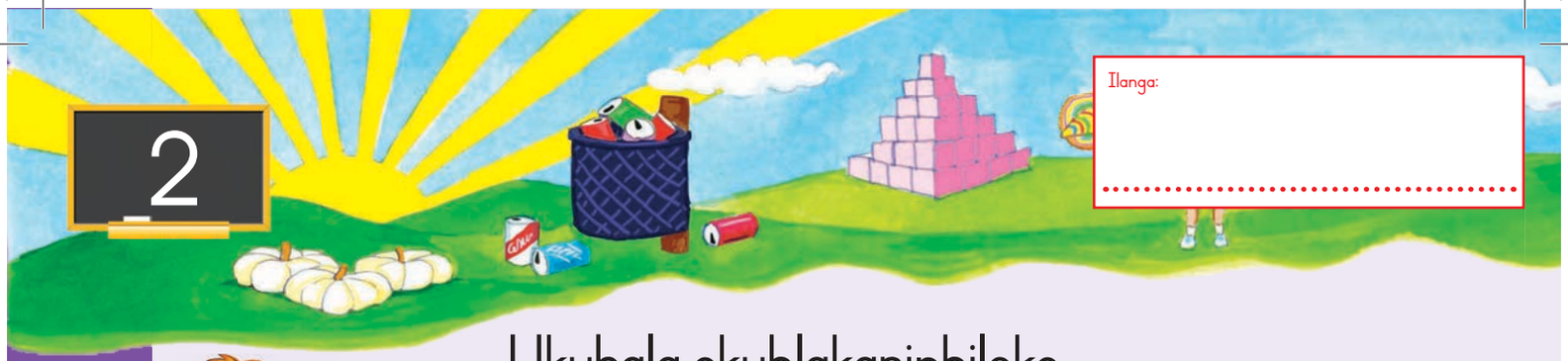
godu njengenomboro yomutjho.

_____ + _____ = _____ *namkha* _____ + _____ = _____



11 12 13 14 15 16 17 18 19 20

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2

Ilanga:

.....

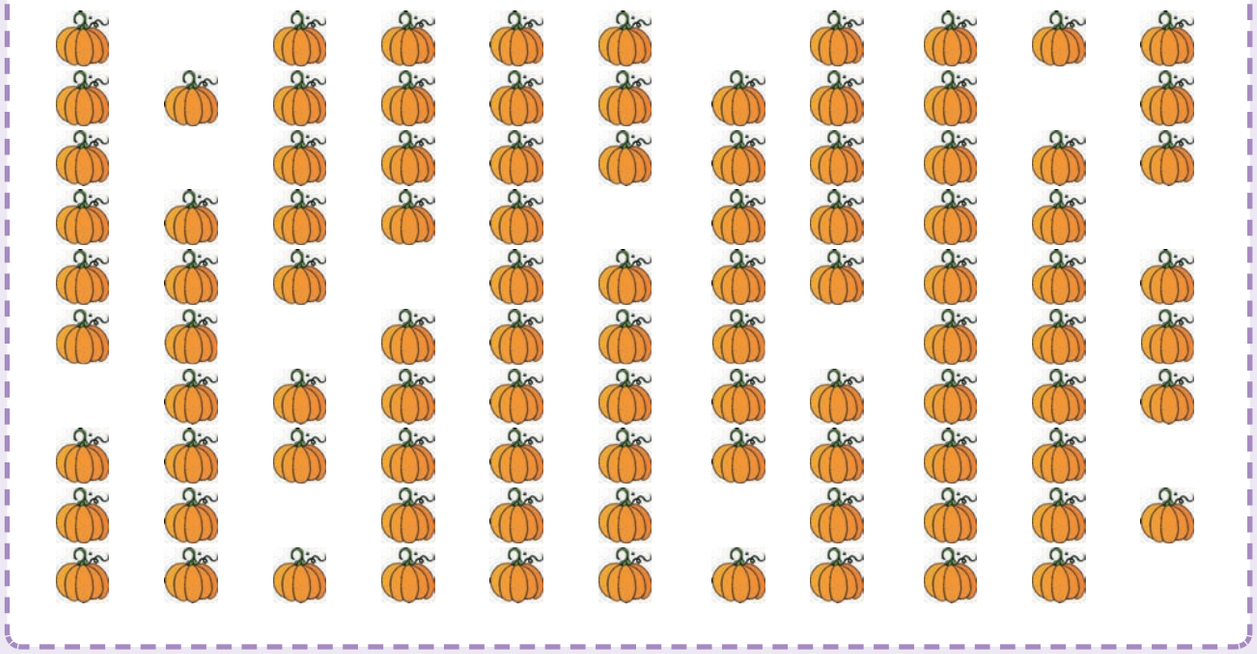
Ithemu I

Ukubala okuhlakaniphileko



Bala amathanga

Fumana indlela elula yokuwabala.



Ipendulo: _____



Paka amathanga

Amathanga alitjhumi angena ngemgodleni munye.



Mingaki imigodla? _____

Kusele amathanga amangaki? _____

Kutlhogeka amathanga amangaki ukuzaliselela umgodla owodwa ngaphezulu? _____

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Kusukela ku- + ukuya ku- ×
(ukuhlanganisa ukuya ekubuyabuyeleleni)

Zaliselela iinomboro zomutjho.

Isibonelo:
10 + 10 + 10 + 10 = 40 ⟹ 4 ezinengi ezili-10 = 40 ⟹ 4 × 10 = 40



a. 10 + 10 + 10 = _____

_____ ngeenqhema ze-10 = _____ ⟹ _____ × _____ = _____



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

_____ ngeenqhema ze-10 = _____ ⟹ _____ × _____ = _____



Izandla nemino



Izandla ezingaki? _____ Imino emingaki? _____

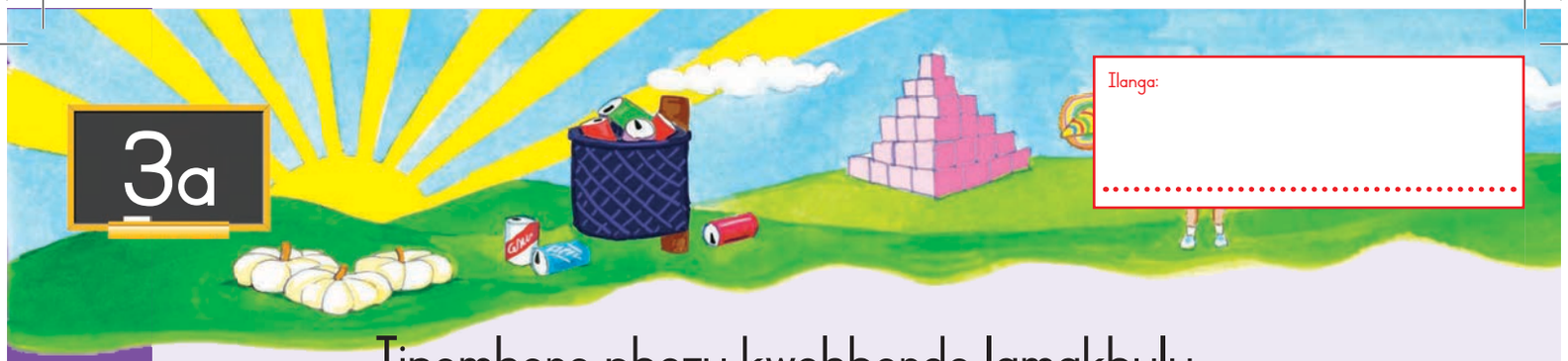
Tlola ipendulo yakho ngeendlela ezi-2.

____ ngeenqhema ze-10 = ____ begodu ____ × 10 = ____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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3a

Ilanga:

.....

Ithemu I

Iinomboro phezu kwebhordo lamakhulu



Iinomboro ezikhulumako

Bala bewutjho zoke iinomboro kusukela ku-1 – 100. Khomba nawulokhu ukhamba.

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



a. Tlola inomboro etlhayelako ngebhlogweni ngalinye elihlaza kwesibhakabhaka.

b. Tlola ngaphakathi kwezinye iinomboro.

c. Sizibiza ngaliphi iinomboro ezisarulani?



Tlola iinomboro ngamagama

90	amatjhumi athobako	41	
77		56	
14		65	

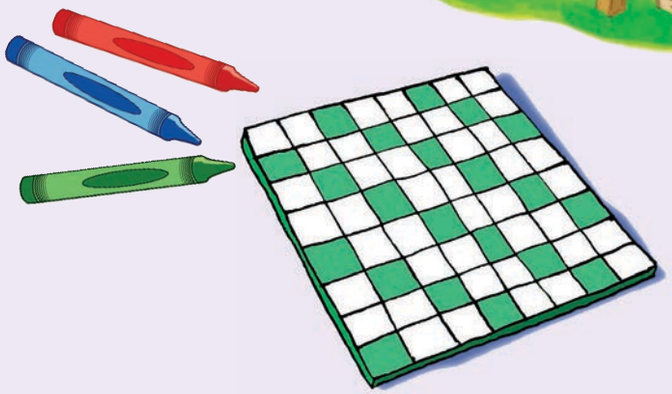
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Ukubala nokukhalara

Lungela ukubala umbala!



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

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

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

Bala begodu uvale ama-10.	Bala ngokuvala abo-5 kusukela ku-0 ukuya e-100.	Bala bewuvale aba-2.
Bala ngama-10 kusukela ku-10 ukuya e-100.	Bala ngaku-5 kusukela ku-5 ukuya e-100.	Bala ngaku-2 kusukela ku-2 ukuya e-100.
Tlola ama-10 ukuya e-100.	Tlola ngaku-5 ukuya ema-80.	Tlola ku-2 ukuya ema-100.

Teacher:
Sign:
Date:

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3b

Ilanga:

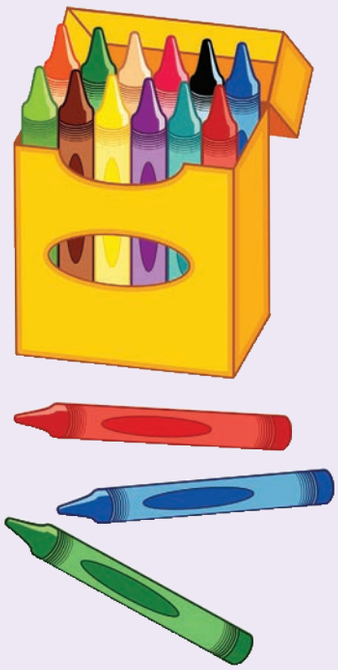
Ithemu I

Iinomboro phezu kwebhordo lamakhulu (ziragela phambili)



Qala amaphetheni

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



Thikha (✓) woke ama-10.	Tshwaya koke (✗) okungaku-5 ngokubeka isiphambano.	Ndulungela (O) koke okungaku-2.

Tlola iinomboro ezimaphetheni wangaku-2 nezingaku-5.

_____

_____

_____

_____



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Amaphetheni wokubala

Zalisa iinomboro ezitlhayelako.

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

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

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

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

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

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

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

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

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

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

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

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

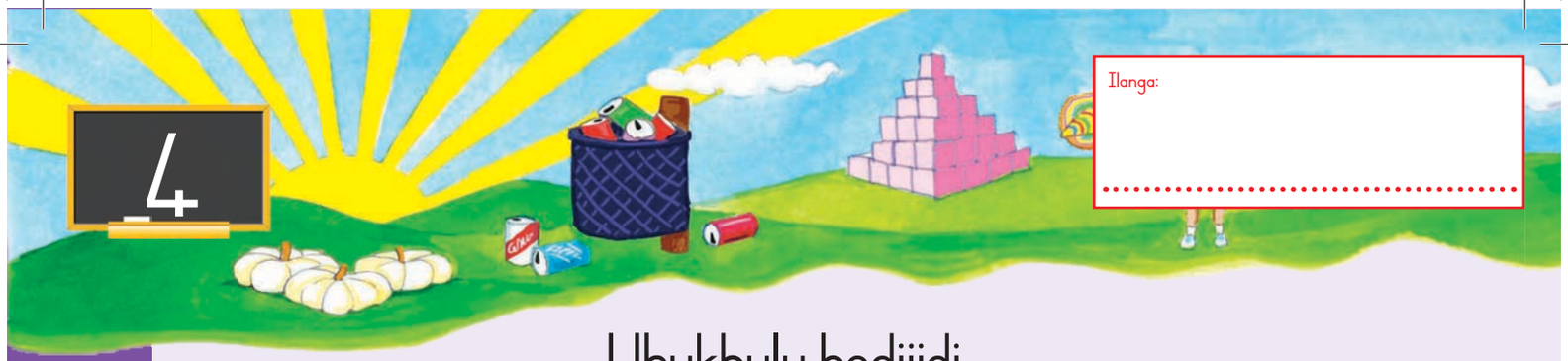
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Date:

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Ilanga:

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Ithemu I

Ubukhulu bedijidi

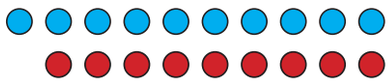
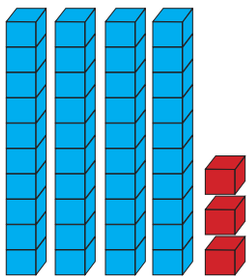


Tjengisani iinomboro zenu

Sika amakarada weenomboro kusukela enomborweni yaboSika-I.
Sebenzisani amakarada ukwakha iinomboro lezi.

19 43 69 54 35



19		I O 9	10 + 9 = 19
43		I O I O I O I O 3	40 + 3 = 43

Kwanje zenzele wena ngokwakho ngeenomboro lezi usebenzise uSika-I.

54

35

69



NDE NUM G3 B1 9781431500086.indb 10 2014/05/05 12:51 PM





Tlolani iinomboro lezi

Sesinenzele yokuthoma.

Singatjho godu kobana abo-1 abali-9

19	10 + 9	itjhumi li-1 + 9 kanye	itjhumi nethoba
43			
69			
54			
35			
21			
73			
44			
32			
89			
17			
95			
56			
68			
67			



Tlolani iinomboro ezihlanu ngokulandelana kusukela kencani khulu ukuya kekulu khulu

_____; _____; _____; _____; _____

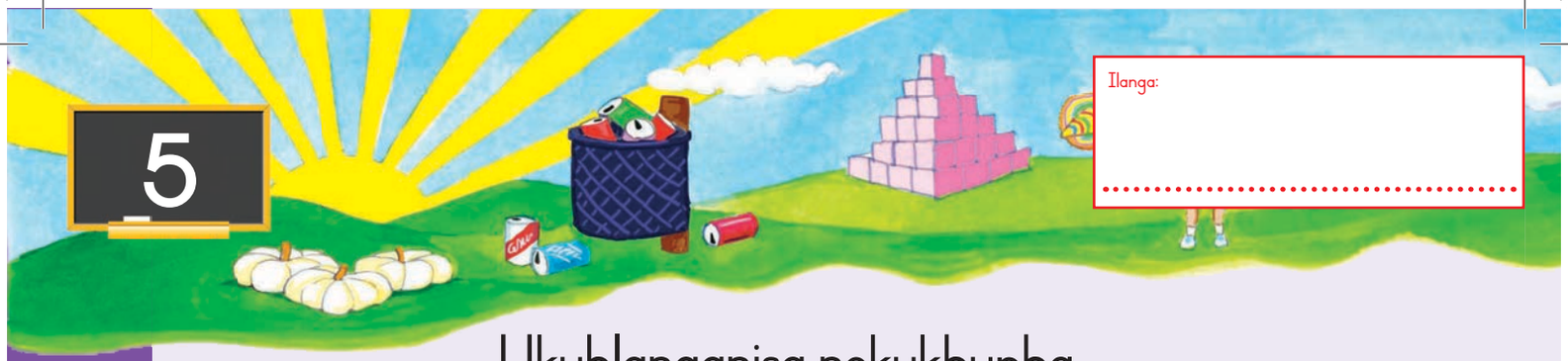
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5

Ilanga:

Ithemu I

Ukuhlanganisa nokukhupha



Isitolo sakaLebo

Ekuseni uLebo uneempakana ezima-19 zama-apula.
Ngesikhathi sesidlo semini sele asele neempakana ezili-13.



a. Ingabe uLebo uthengise iimpakana ezingaki? ____

b. Tlola ipendulo yakho njengenomboro yomutjho.

_____ – _____ = _____

Tlola enye inomboro yomutjho ukutjengisa ipendulo efanako.
15 – 9 = 6 _____ _____ _____ _____ _____



Nombora

Tlola 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 = ☐



Nombora imindeni

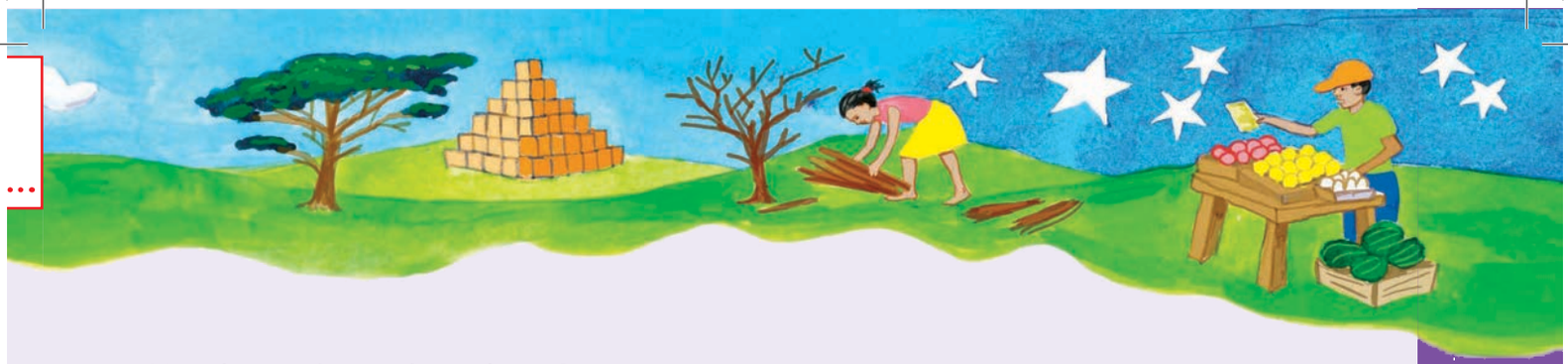
5 9 14

Nanzi iimbonelo zeenomboro yemindeni.

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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Uyayibona yoke imindeni yabo-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 =			



Ngiyokwenza okufanako nge-12.

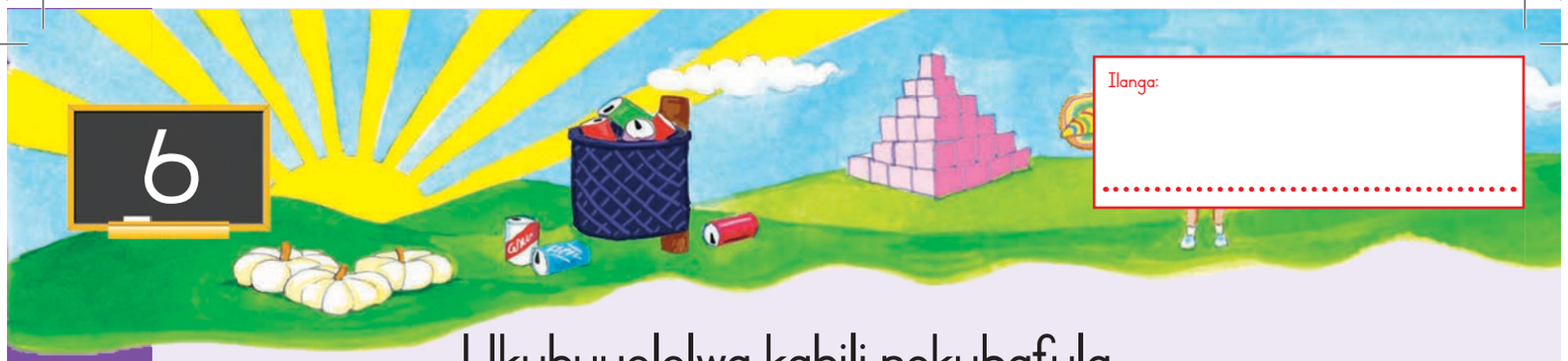
12

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

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Ithemu I

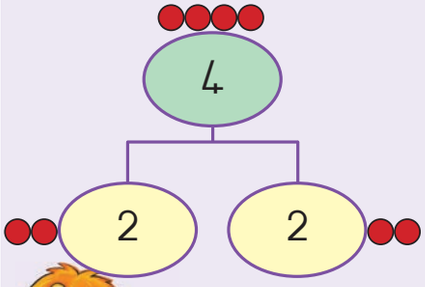
Ukubuyelelwa kabili nokuhafula

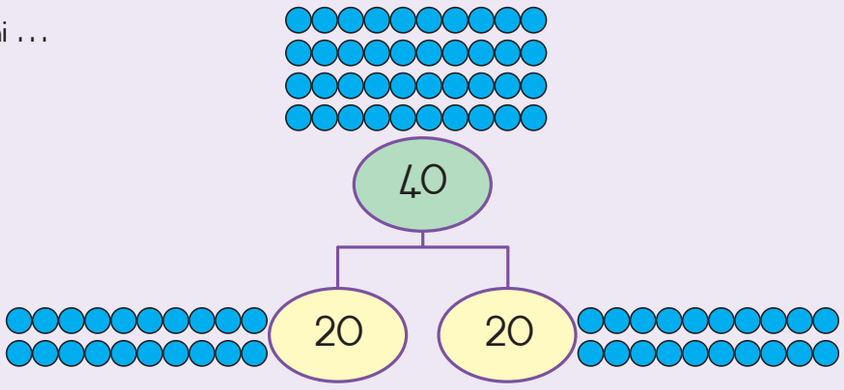
Niyakhumbula?

Ukubuyelela ku-2 kwenza ku-4
ku-4 kukubuyelelwa kabili kwaku-2

Ukubuyelela ku-20 kwenza ku-40
ama-40 akubuyelelwa kabili kwama-20

Lokhu singakutjengisa emdwebeni ...

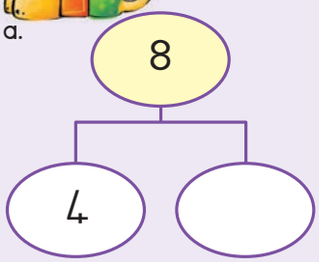




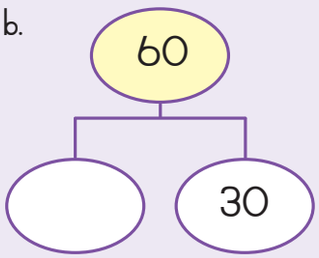


Fumanani okubuyelelwe kabili namkha abohafu

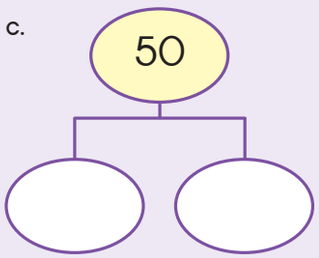
a.



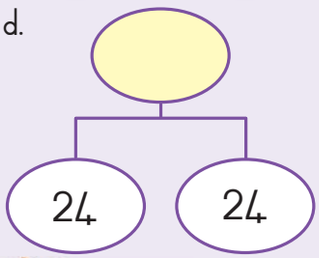
b.



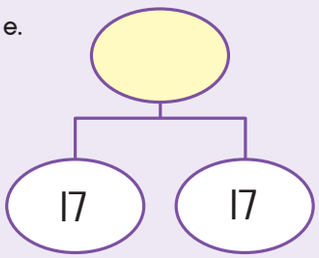
c.



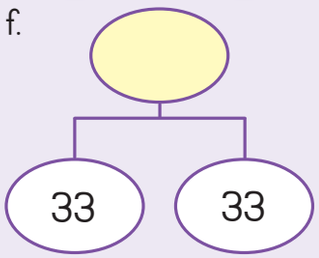
d.



e.



f.





Iselele

Fumanani ihafu yaku-3

Tjengisani njengenomboro namkha ibizo lenomboro.
Umqwalo ungakusiza.



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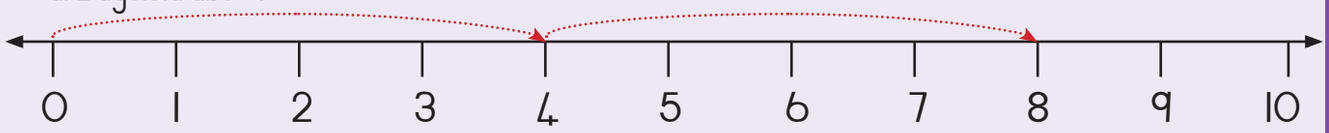




Buyelela inomboro usebenzise inambalayini.
Wenzelwe isibonelo.

a. Buyelela abo-4

4 + 4 = 8



b. Buyelela abo-5

___ + ___ = ___



c. Buyelela abo-20

___ + ___ = ___



d. Buyelela abo-40

___ + ___ = ___





Qedelela okulandelako

a. Buyelela abo-1	2
b. Buyelela abo-6	
c. Buyelela abo-10	
d. Buyelela abo-30	
e. Buyelela abo-50	



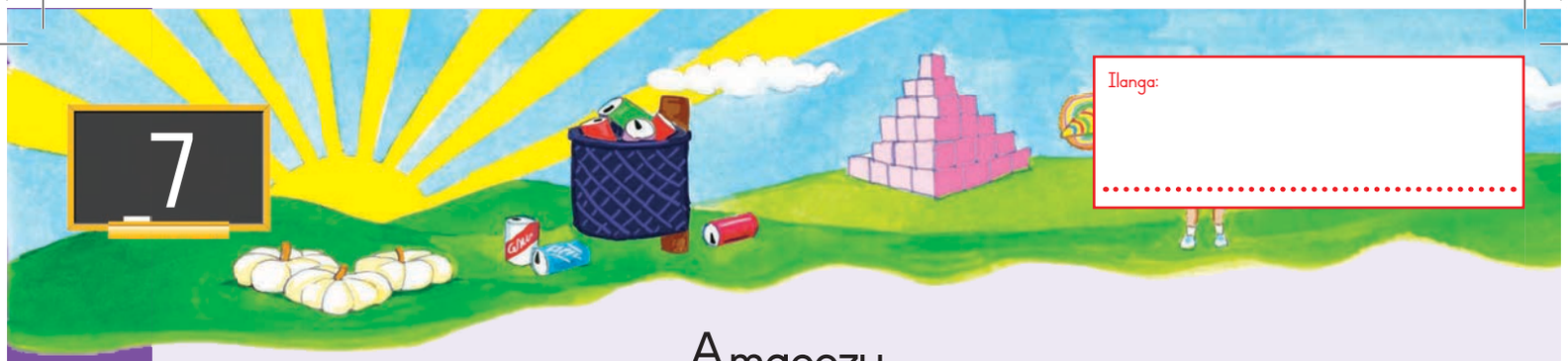
Qedelela okulandelako

a. Ihafu yaka-6	3
b. Ihafu yaka-8	
c. Ihafu yaka-14	
d. Ihafu yaka-60	
e. Ihafu yaka-70	

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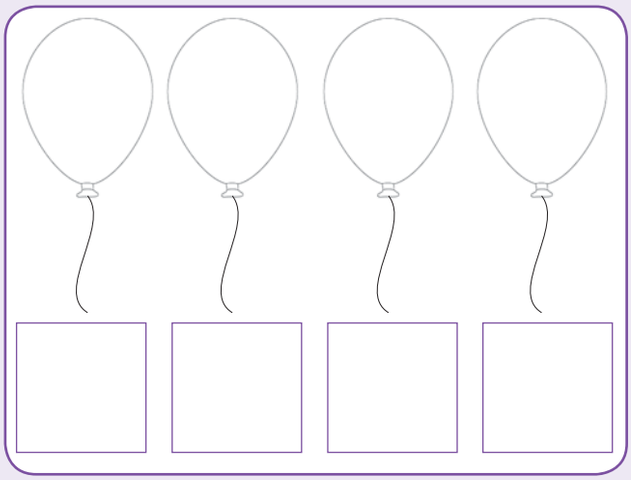


Amacezu

Ithemu I

Faka umbala ikotara yamabhaloni ngokubovu bese kuthi asalako abe ngokuhlaza sasibhakabhaka.

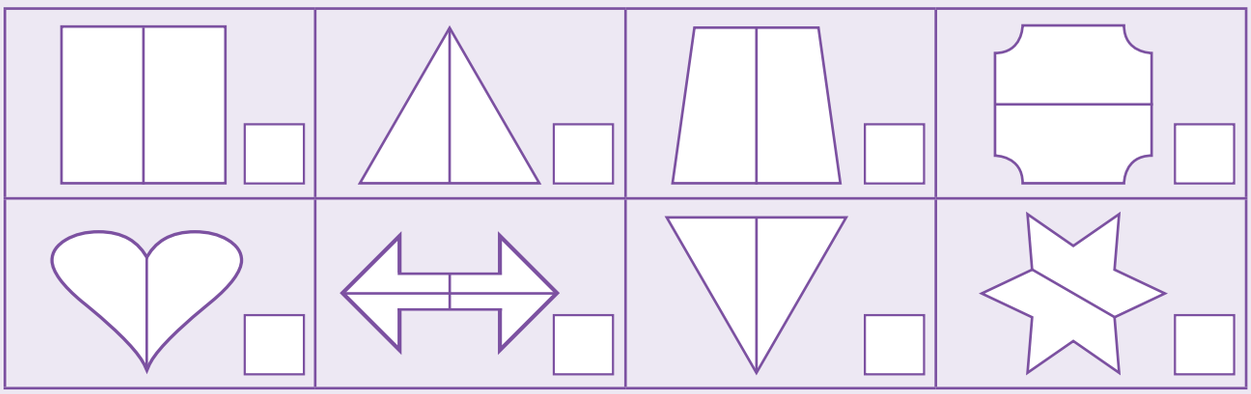
Faka umbala obuvo encenyeni eyihafu yebhoksi.





Qala amajamo. Tshwaya amajamo atjengisa abohafu.

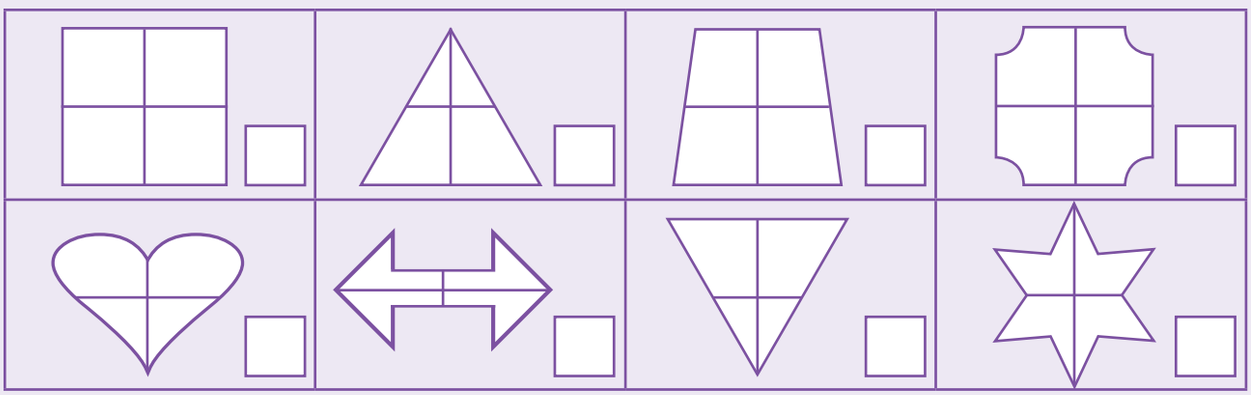
Faka umbala engcenyeni enye nenye eyehlukaniswe yaba yihafu.





Qala amajamo. Tshwaya amajamo atjengisa amakota.

Faka umbala ikota enye nenye yamajamo ahlukaniswe aba makota.



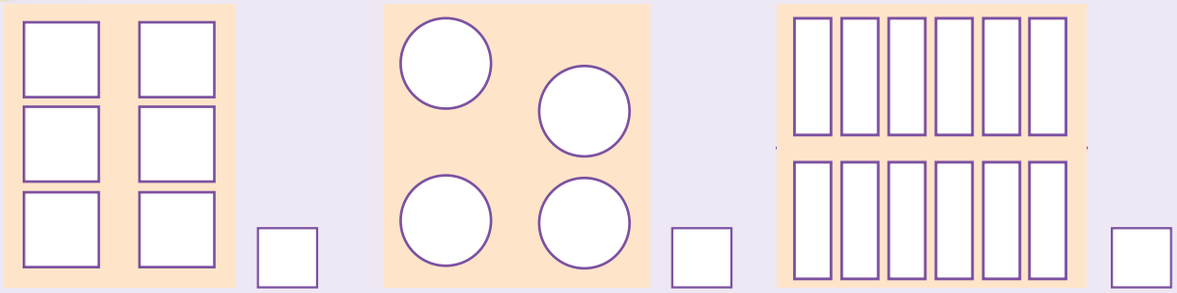


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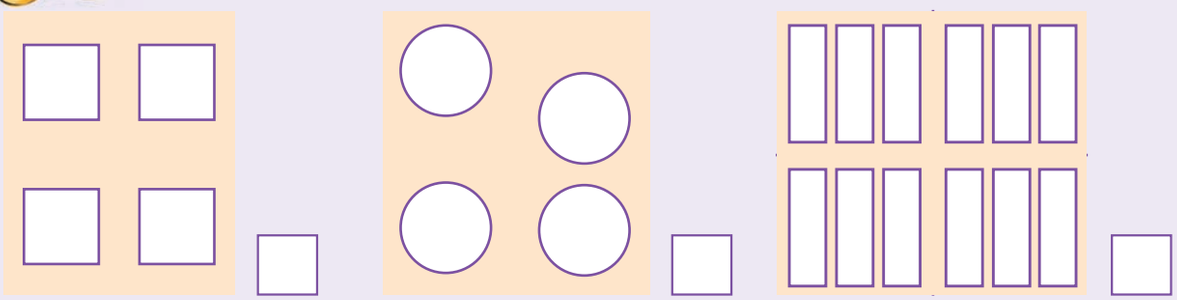


Faka umbala ihafu yamajamo. Iyini ihafu yenani lamajamo?





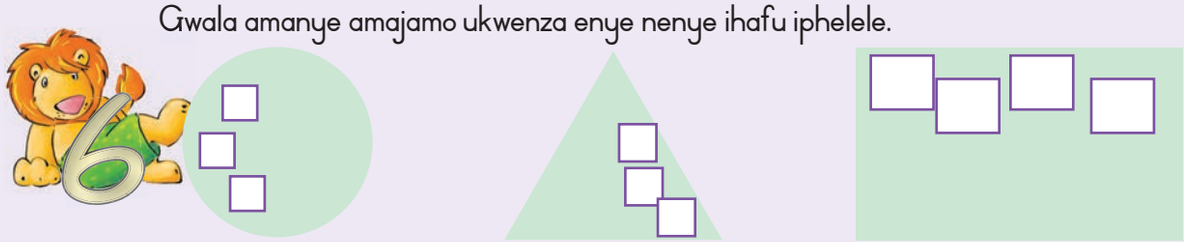
Faka umbala ikota yamajamo. Iyini ikota yenani lamajamo?



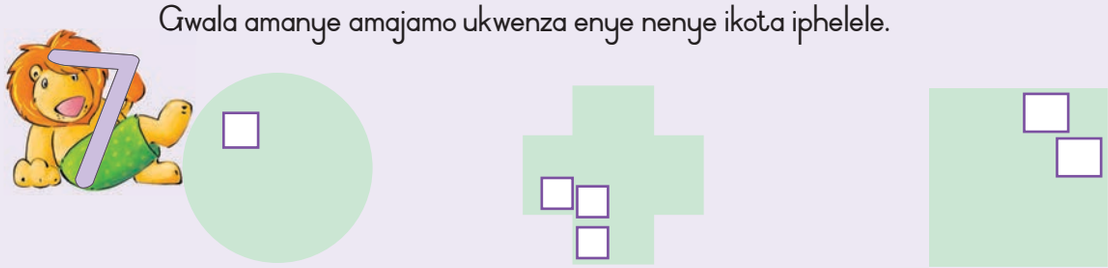


Tlola itshwayo lecezu. ihafu eyodwa ☐ ikota eyodwa ☐

Gwala amanye amajamo ukwenza enye nenye ihafu iphelele.



Gwala amanye amajamo ukwenza enye nenye ikota iphelele.

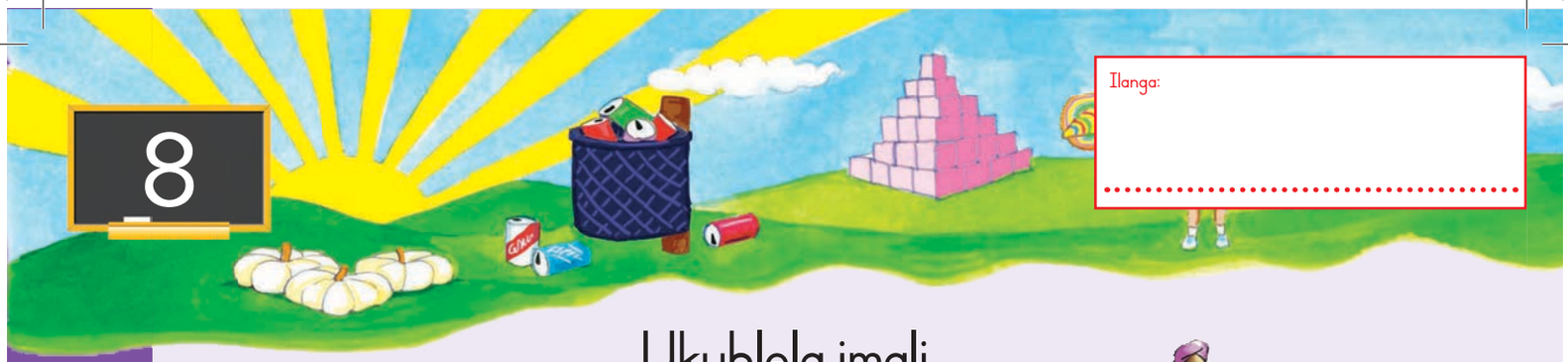




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Ithemu 1

Ukuhlela imali



Esitokfeleni

UMma Lubisi ubala begodu ahlukanisele isiqhema imali.











Linganisa inani lemali.	R_____
Bala imali.	R_____

Madanisa, ulinganise begodu ufunyane ithothali.



Ukubulunga imali

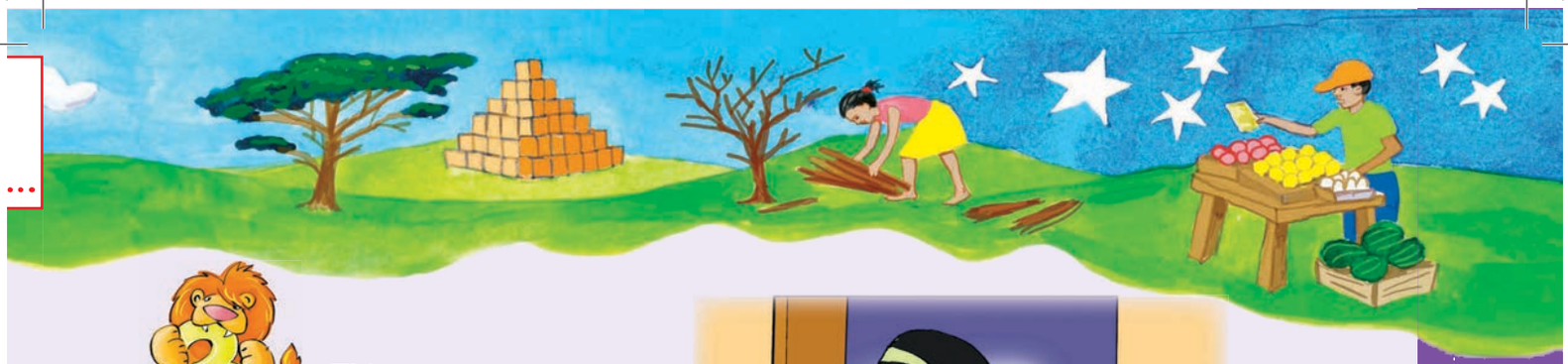
UGugu ubulungela ipara yamanyathelo ebiza-R89.
Bekube nje selanehafu yemali.
Ingabe usatlhoga malini ngaphezulu?
Tlola inomboro yomutjho ukutjengisa ipendulwakho.



_____ _____ _____



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Ebhanga

UMaria wehlukanise imali yamaphepha ngamabuthelelo wama-5.
"Usele nenye imali yamaphephe."
Tlola amathothali wesithombe ngasinye.



	Inani
	R_____
	R_____
	R_____



Iselele

Ivakatjho lokuya e-zoo

Abanye abantu abadala nabentwana baya e-zoo.

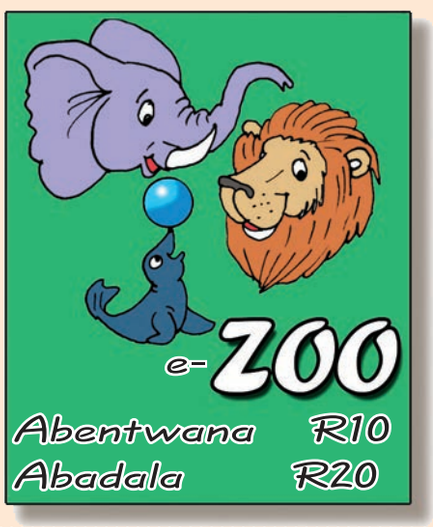
Bathenga amathikithi nge-R90.

Ingabe abentwana bangaki? _____

Ingabe abantu abadala bona bangaki? _____

Ingabe ikhona enye ipendulo?

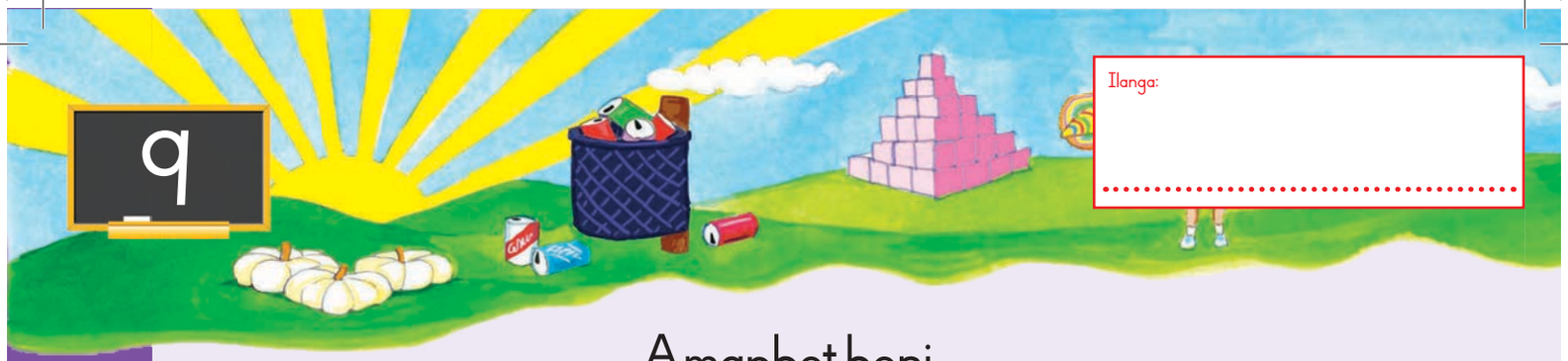
Abadala _____ Abentwana _____



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Ilanga:

.....

Amaphetheni



Sebenzisa ibhodi yeenomboro ezima-200 ukuphendula imibuzo.

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

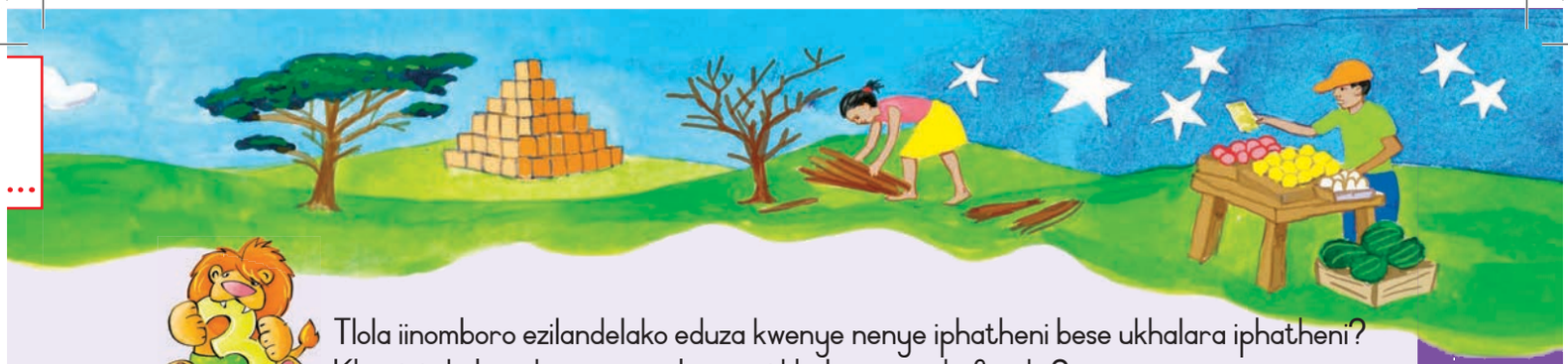


Sebenzisa ibhodi yeenomboro ezima-200 ukuqedelela amaphetheni weenomboro bese ufaka umbala iphetheni ebhodini yeenomboro.

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



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Tlola iinomboro ezilandelako eduza kwenye nenye iphatheni bese ukhalara iphatheni?
Khuyini okubonako ngeenomboro ezi khalavwe ngokufanako?

Ukubala ngakuhlanu.

				5					10

Ukubala ngakubili.

	2		4						

Ukubala ngakuthathu.

		3			6				

Ukubala ngalitjhumi.

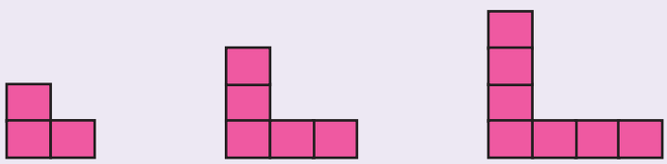
									10



Yelula amaphetheni.



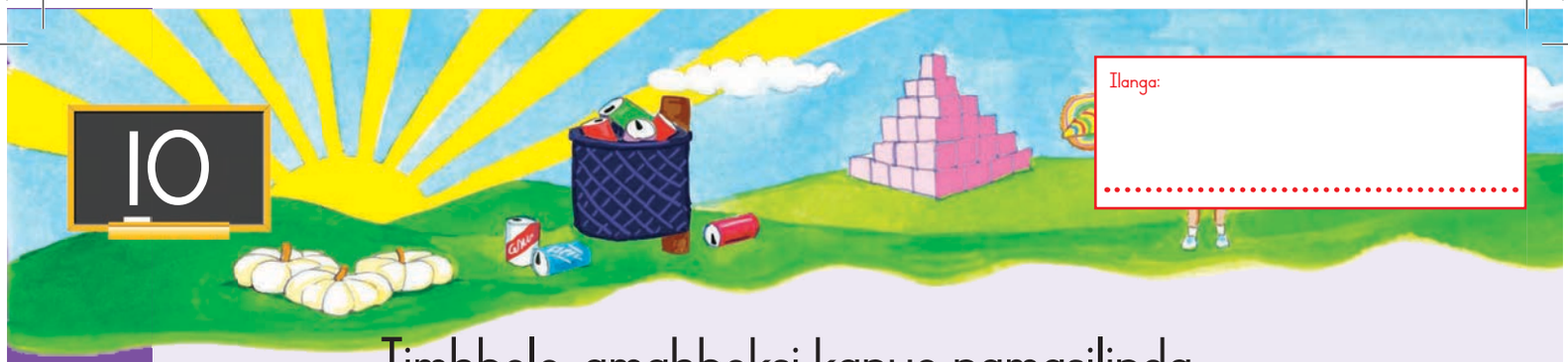




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10

Ilanga:

.....

Ithemu 1

Iimbholo, amabhoksi kanye namasilinda







Ndulungela amabhoksi ngombala ohlaza sasibhakabhaka, iimbholo ngokubomvu bese kuthi amasilinda abe hlaza satjani.



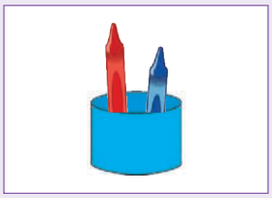


Faka umbala ngependulweni enembako.



Ibhoksi

liyatjhelela | liyagedeka



Isilinda

liyatjhelela | liyagedeka

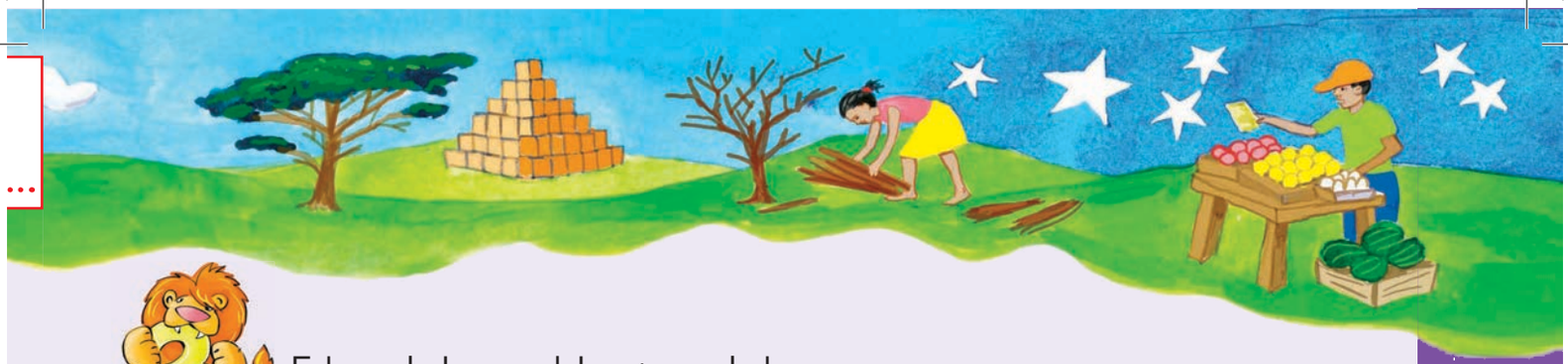


Ibholo

liyatjhelela | liyagedeka



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Faka umbala ependulweni enembako.



umqoqo oyindulungu

umqoqo onqophileko



umqoqo oyindulungu

umqoqo onqophileko



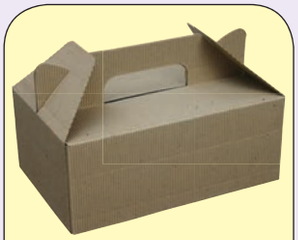
umqoqo oyindulungu

umqoqo onqophileko



umqoqo oyindulungu

umqoqo onqophileko



umqoqo oyindulungu

umqoqo onqophileko



umqoqo oyindulungu

umqoqo onqophileko



umqoqo oyindulungu

umqoqo onqophileko

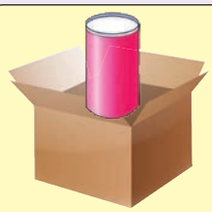


umqoqo oyindulungu

umqoqo onqophileko



Yitjho nangabe ibholo ingemuva, ingaphambili, ingeqadi nanyana ingaphezulu kwebhoksi.



ngemuva | ngaphambili

ngeqadi | ingaphezulu



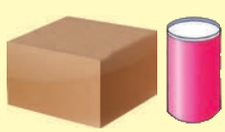
ngemuva | ngaphambili

ngeqadi | ingaphezulu



ngemuva | ngaphambili

ngeqadi | ingaphezulu



ngemuva | ngaphambili

ngeqadi | ingaphezulu

Teacher:

Sign:

Date:

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Ilanga:

.....

Ithemu I

Gwala, nikela bewumadanise amabumbeko amajamo we-2D



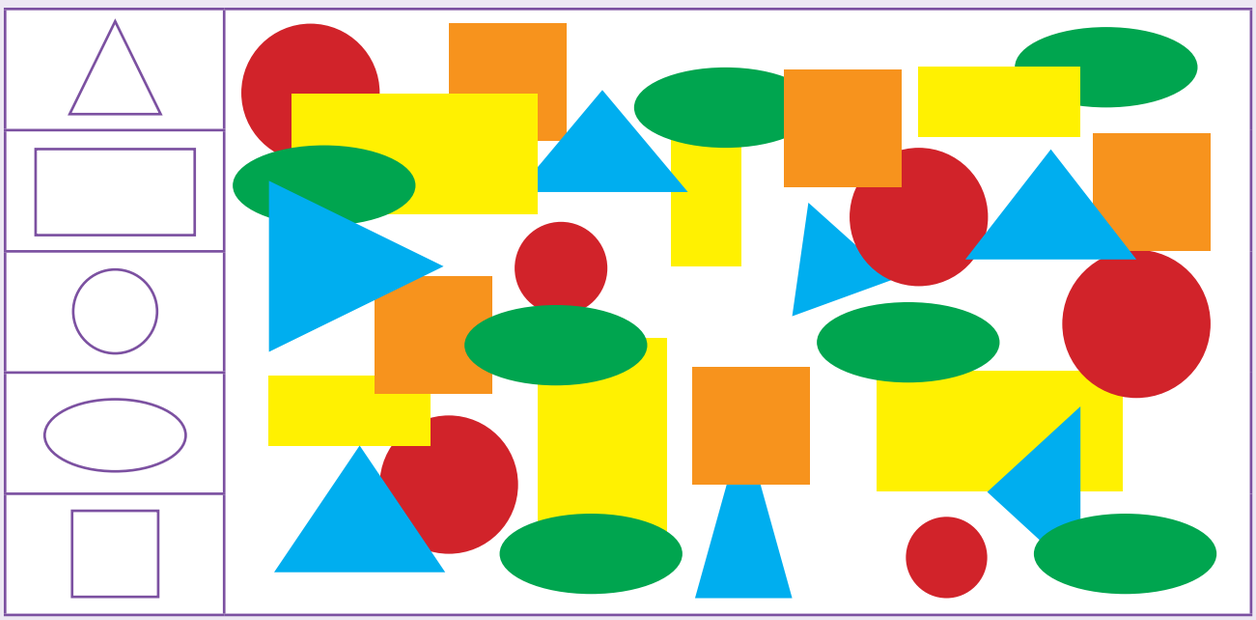
Dweba amabumbeko

Uncantathu		Isiyingi / Indulunga	
Isikwere		Ncazine	



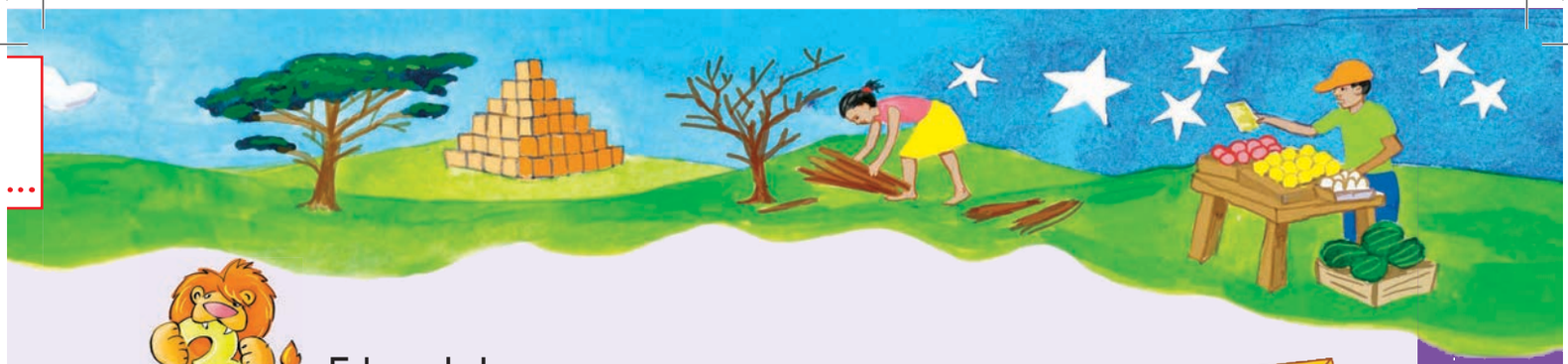
Bala amabumbeko

Bala kobana mangaki amabumbeko afana nalawa ongawafumana esithombeni.





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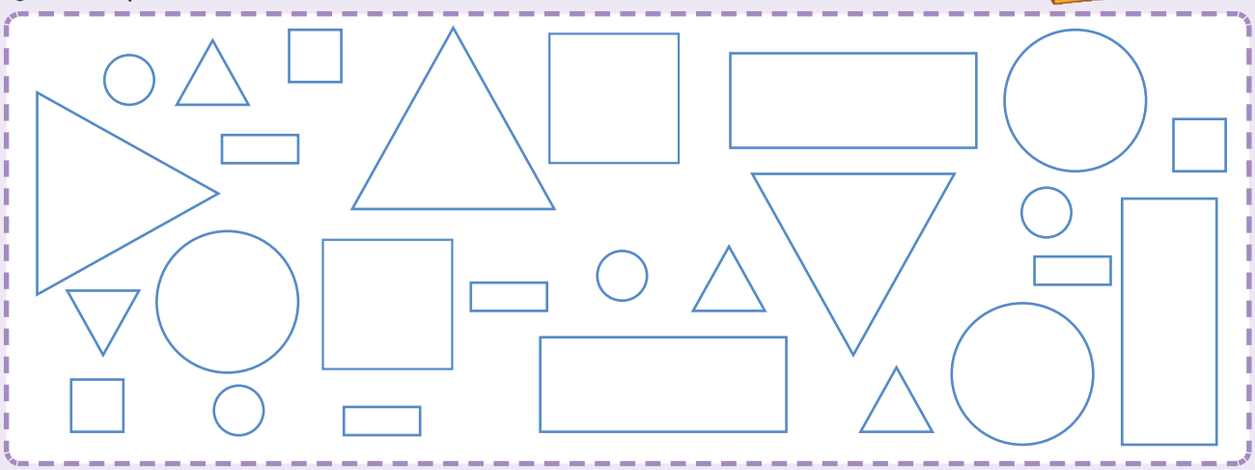




Faka umbala:



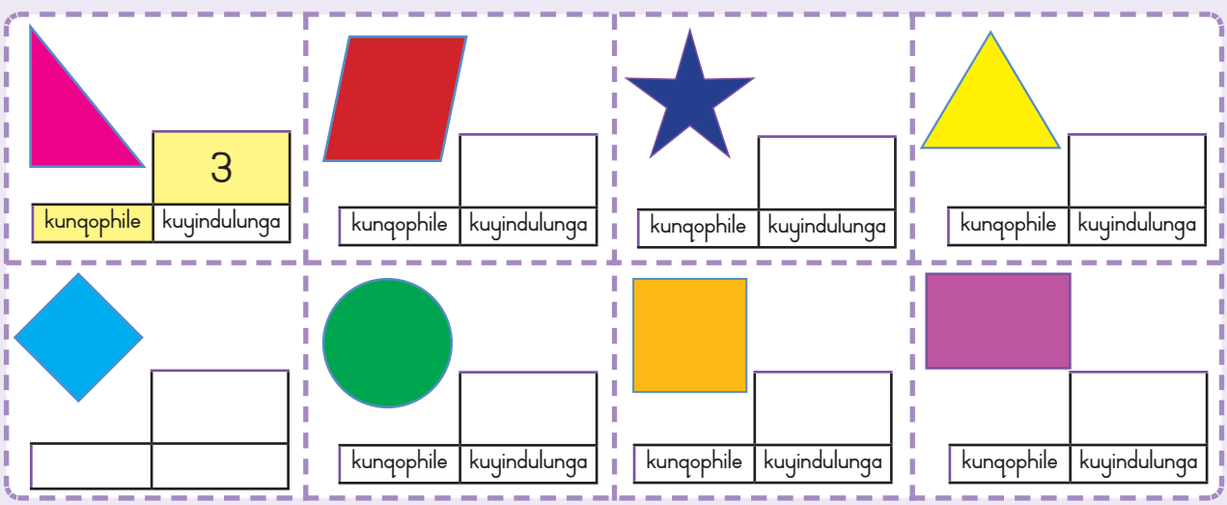
iiyingi ezikulu ngombala obomvu, iiyingi ezincani ngombala ohlaza satjani;
aboncantathu abakhulu ngombala ohlaza sasibhakabhaka, ezincani ngombala o-orontji;
iinkwere ezikulu ngokusarulani, ezincani ngokuphephuli;
amarekthengela amakhulu ngombala ozotho bese kuthi amarekthengela amancani abe ngombala opinki.

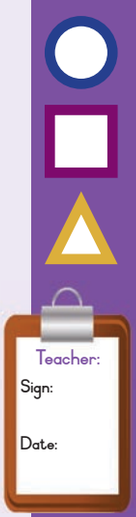




Mahlangothi amangaki?

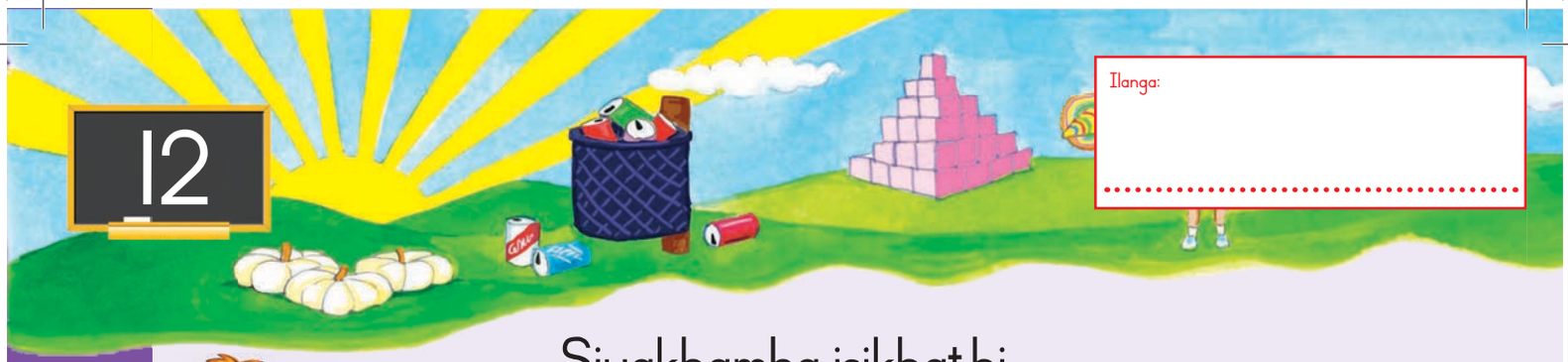
Ibumbeko ngalinye linamahlangothi amangaki? Tlola inomboro ebumbekweni. Isibonelo wenzelwe.
Ingabe amahlangothi anqophile nanyana ayindulunga? Faka umbala ependulweni enembako.





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12

Ilanga:

.....

Siyakhamba isikhathi



Fundani isikhathi

Atjengisa siphi isikhathi amawatjhi la?







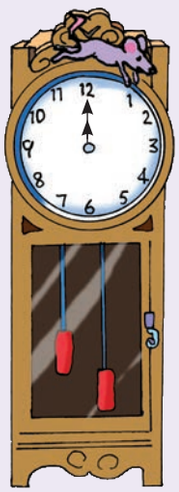


_____ Ehloko _____ Ehloko _____ Ehloko _____ Ehloko



Yeqani magegana newatjhi

Sizani uMinnie Mouse ukubala imizuzu ngaku-5. Thomani e-12. Ragelani phambili nizombeleza.



Nibala imizuzu emingaki? _____

Mizuzu emingaki ese-irini li-1? _____



Tlolani isikhathi

Gwala imikhono ukutjengisa iinkhathi.



ikotara ngemva kwe-iri-6



sigamu ngemva kwe-iri-8



ikotara ngaphambili we-iri-11



isigamu ngemva kelesi-5

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UTumi uya esikolweni.





Usuka ekhaya.



Ufika esikolweni.

Ingabe uTumi uthatha isikhathi esingangani? ____



Ilanga lokubhaga

UMaria ubhaga uburotho.



Uburotho buya nge-ondweni.



Uburotho buyaphuma.



Uburotho buthatha imizuzu e _____ ukubhagwa.



Iselele



Esikhathini esibuyelelwe kabili

a. Tjhugululani ama-iri abe mizuzu.

Ama-iri	1	2	4	8
Imizuzu	60			

b. UJabu uthatha imizuzu ema-45 ukufika esikolweni. UTumi uthatha isikhathi esibuyelwe kabili. UTumi uthatha ama-iri amangaki ukufika esikolweni? _____

Teacher:
Sign:
Date:

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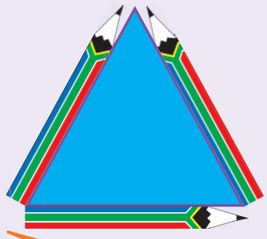
NDE NUM G3 B1 9781431500086.indb 27 2014/05/05 12:51 PM

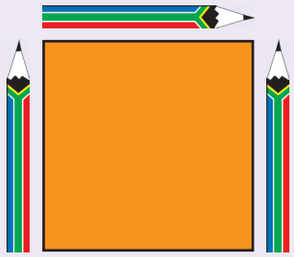
13

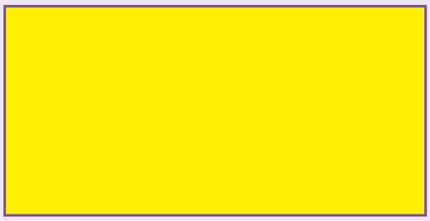
Ilanga:

Ukulinganisa ubude











Kukoke, amahlangothi woke wethrayengeli le, alingana nobude beempensela e-3.

Kukoke, amahlangothi wesikwere alingana nobude beempensela e-4.





Ngiyazibuza kobana irekthengela yide begodu ibanzi kangangani?

Zingaki iimpensela ezisebudeni berekthengela? ☐

Zingaki iimpensela ezisebubanzini berekthengela? ☐

ubude





ububanzi

Uzisebenzise njani iimpensela ukubala?



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Ubude obufihlakeleko

a. Ingabe utlhoga imida emingaki ebovu ukwembesa umuda onzima?

b. Ingabe utlhoga imida emingaki ebovu ukwembesa uncantathu woke?

c. Ngiyiphi edenyana, indlela engaphezulu namkha engaphasi, namkha ingabe ziyafana?

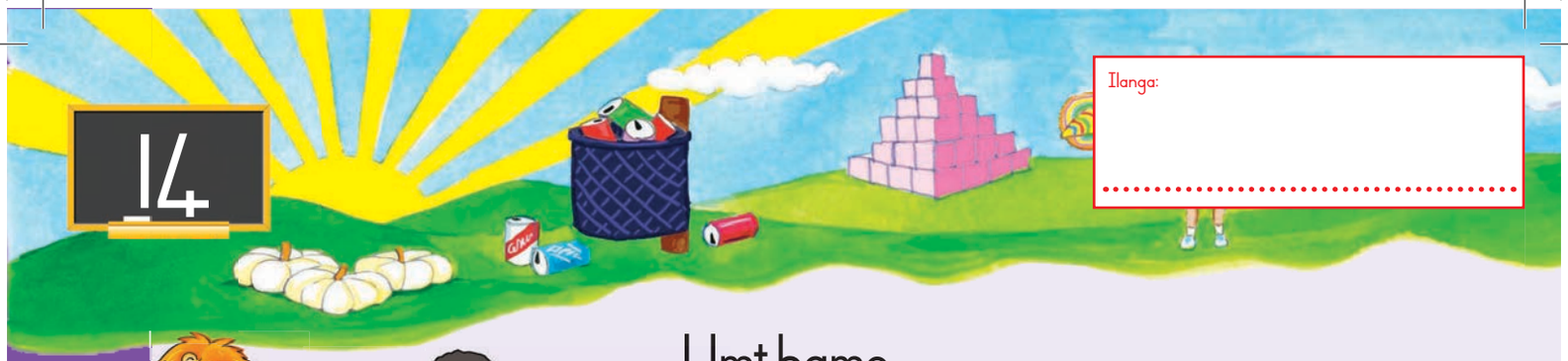
Ipendulo _____

Kubayini? _____

Teacher:
Sign:
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Ilanga:

.....



Umthamo



Sengifake amakhezo amane ngekomitjini

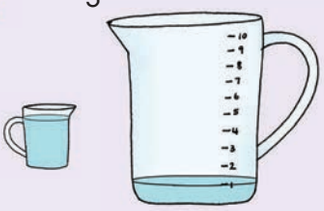
Ziinkomiki ezingaki zamanzi ezizokuzalisa isimumathi?

_____



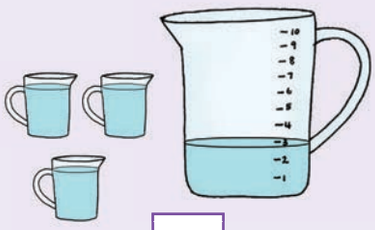
Ziinkomiki ezingaki zamanzi ezingesimumathini? Uzokutlhoga ezinye iinkomitjhi ezingaki ukuzalisa isimumathi?

a.



Ngaphakathi kwesimumathi: 1 Utlhoga amanye: 9

b.



Ngaphakathi kwesimumathi: ☐ Utlhoga amanye: ☐

c.



Ngaphakathi kwesimumathi: ☐ Utlhoga amanye: ☐

d.



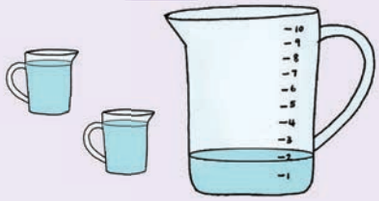
Ngaphakathi kwesimumathi: ☐ Utlhoga amanye: ☐

e.



Ngaphakathi kwesimumathi: ☐ Utlhoga amanye: ☐

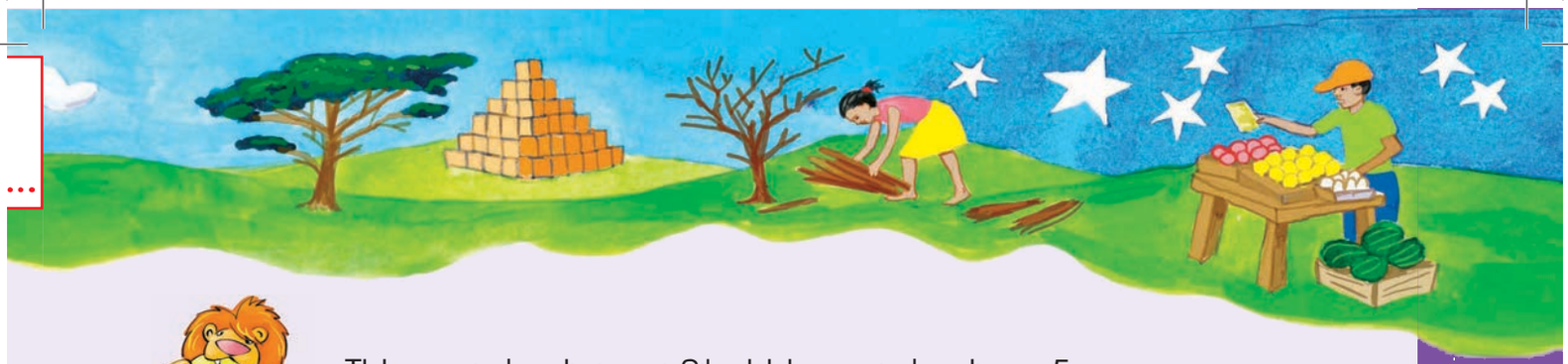
f.



Ngaphakathi kwesimumathi ☐ Utlhoga amanye: ☐

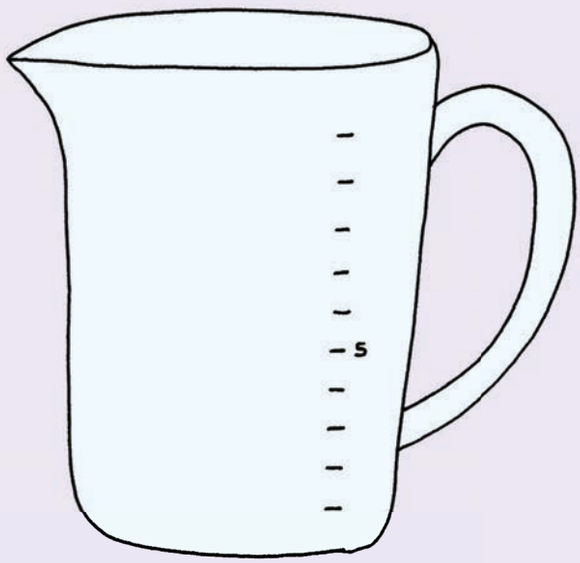


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Tlola ama-inthavali ejegeni. Sikutlolele ama-inthavali ama-5.
Zaliselela amanye ama-iinthavali



Nangabe ikomiki eyodwa ijege eyodwa bekube ku-inthavali yesi-2, uzokutlhoga iinkomiki ezingaki ukuzalisa ijege?

a. 4 _____

b. 6 _____

c. 8 _____

d. 10_____



Tshwaya kobana ngisiphi isimumathi esingamumatha ilitha e-1 yamanzi.

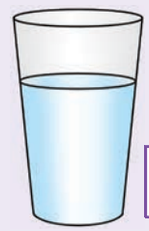








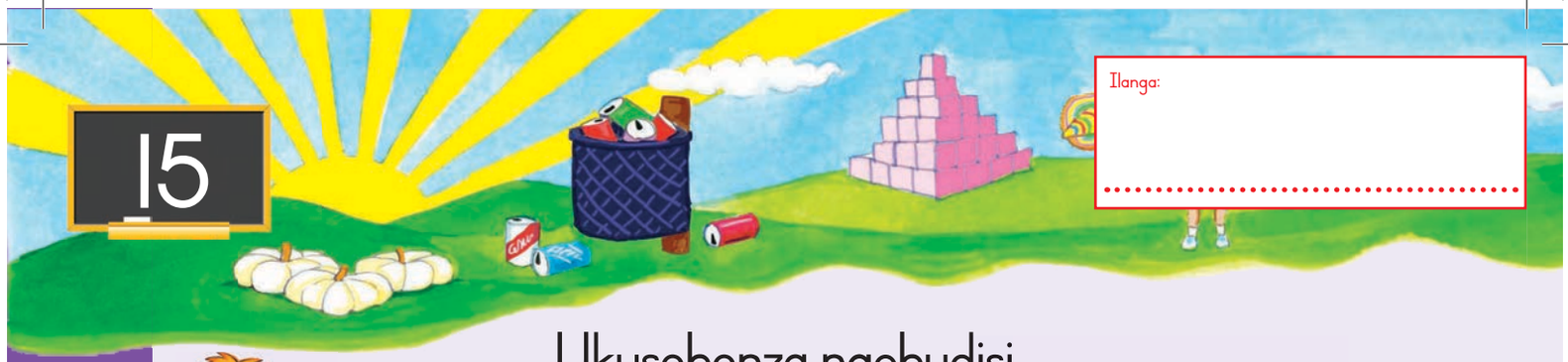




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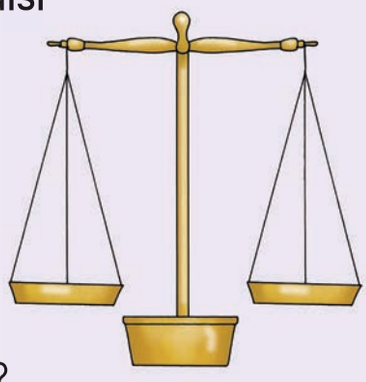
15

Ilanga:

Ukusebenza ngobudisi



Asimede isisindo sethu!



Ukufumana ubungako bethu, ubudisi namkha ukubalula, sisebenzisa isikala.

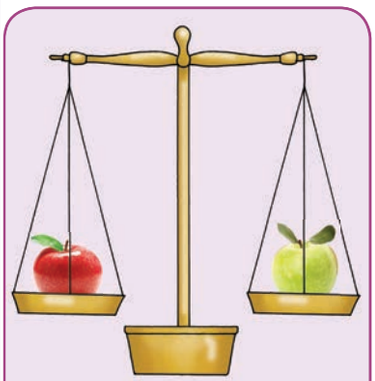
Simeda ubungako ngamakhilogremu.
Sisebenzisa isirhunyezwesi: kg. Ngubani onobudisi obungaphezulu?



41 kg 38 kg 41 kg 42 kg 39 kg

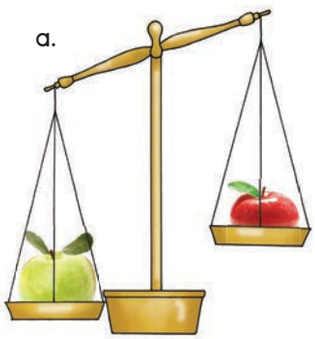


Sisebenzise isikala sokubhalansa ukumeda ubudisi

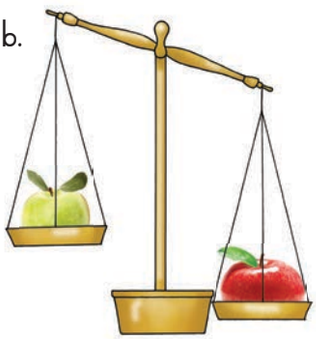


Esikaleni lesi, womabili ama-apula akala ngokulingana.

a.



b.



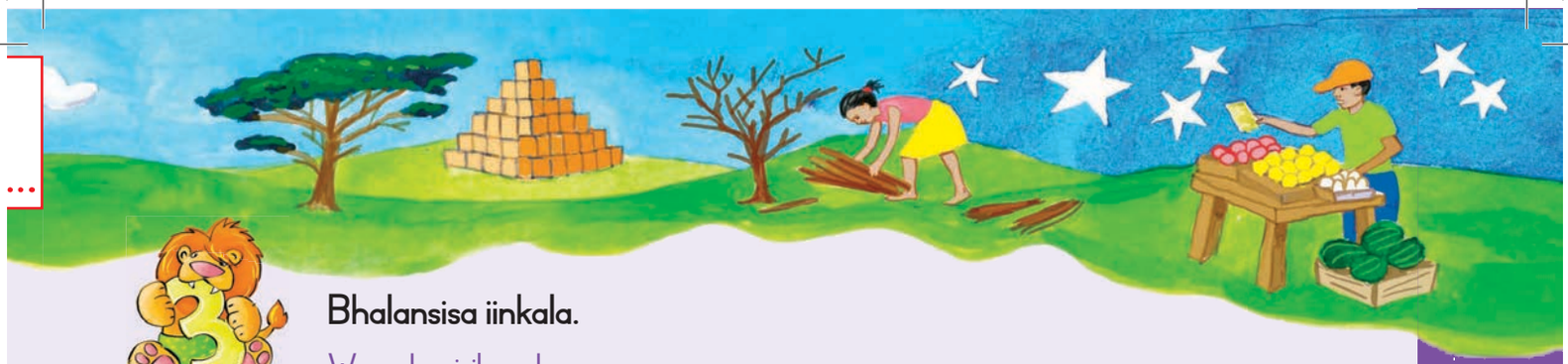
Phendula imibuzo. Tlola u-a nanyana u-b

Kusesikaleni siphi lapha i-apula elihlaza satjani libudisi khona khulu ukudlula i-apula elibovu? ☐

Kusesikaleni siphi lapha i-apula elihlaza satjani lilula khona kune-apula elibovu. ☐

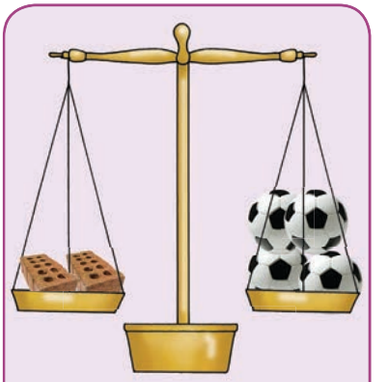


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Bhalansisa iinkala.

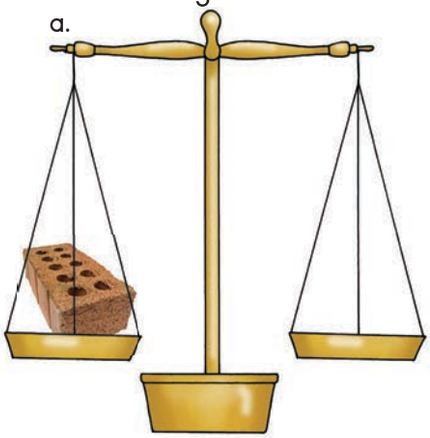
Wenzelwe isibonelo.



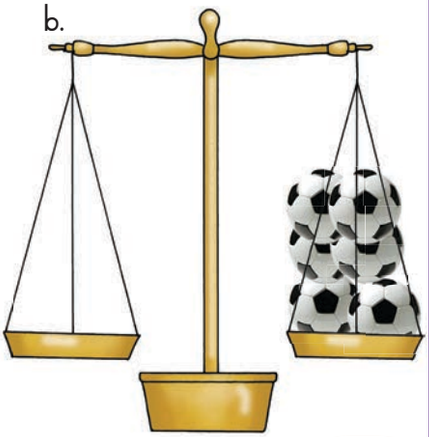
Iintina ezimbili zinobudisi obulingana neentina ezine.

Gwala uveze kobana ziintina ezingaki nanyana iimbholo ozidingako ukuze wenze isikali lesi sibhalanse/sizinze.

a.



b.



4

Nangabe iphasela eyodwa ikala 3 kg. Amaphasela ama 2 na-3 akala kangangani?



a. c. Amaphasela ama-2 _____

b. Amaphasela ama-3 _____

c. Ngingakghona ukumeda amaphasela ama-4 ngasikhathi sinye kiso sona isikala sangekhwitjhini? _____

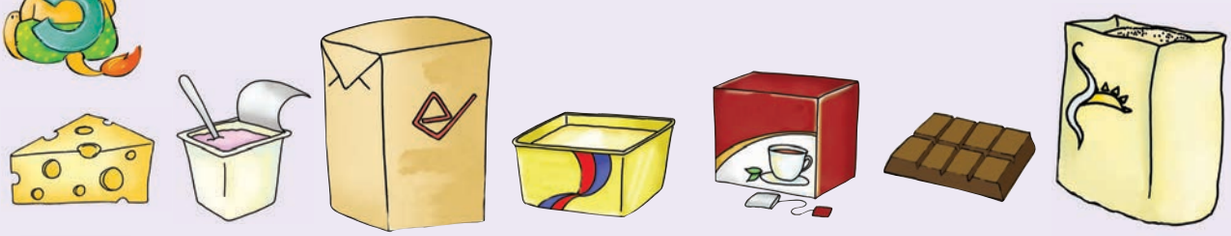
Kungani? _____

_____

_____

5

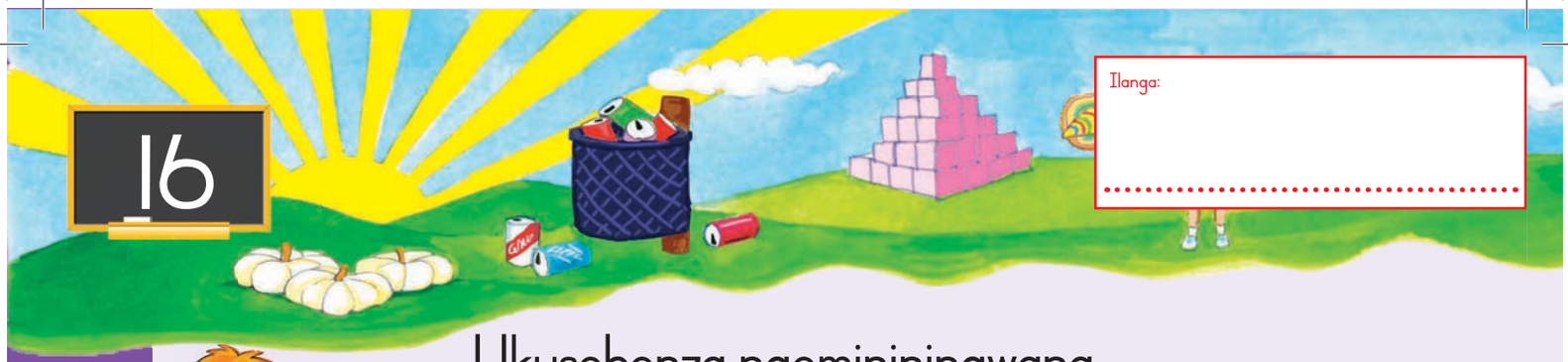
Tshwaya impendulo enembako. Ngiyiphi into enesisindo esingaba li-1kg?



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16

Ilanga:

.....

Ukusebenza ngemininingwana



Amanyathelo ngetlasini



Funda indatjana.

UThabo: Hawu, Titjhere! uJack ulizimuzimu! Ufaka isayisi 6 yamanyathelo!

UKkz. Khoza: Kulungile! Iye, Thabo, yikulu khulu emntwaneni oneminyaka elithoba! Thabo, unesayisi bani yamanyathelo? Ingabe itlasi loke linamasayisi bani? Asenzeni irhubhululo!

Abafundi batjho amasayisi, ngamunye ngamunye.

UKkz. Khoza utlola amasayisi lawo ebhodini.

UKkz. Khoza: Bala, bese uyatlola amasayisi ngayinye ngetheyibuleni.

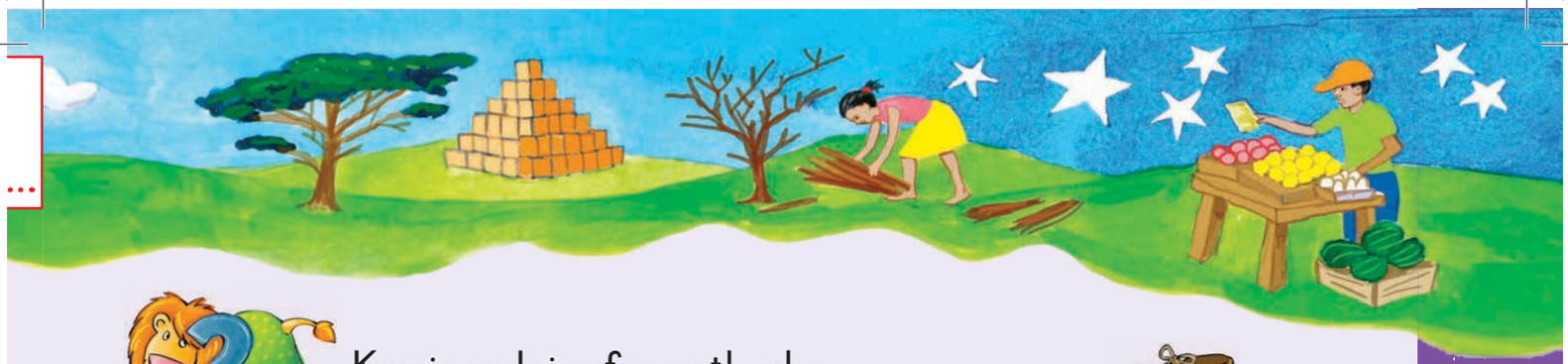
2	2	3	1	2	3	1	4	3	2	3
2	3	2	6	2	2	3	3	3	4	3
4	2	2	3	3	5	3	2	2	2	1
1	1	2	4	2	3	2	3	4	2	4
4	3	2	2	3	1	2	2	1	4	3

Zalisa ithebula engenzasi.

Amasayizi wamanyathelo ngetlasini					
Isayisi 1	Isayisi 2	Isayisi 3	Isayisi 4	Isayisi 5	Isayisi 6



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Kwanje gwala igrafu yeenthombe.

 = umfundi-1

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



Kwanjesi phendula imibuzo le.

a. Abafundi abanengi bafaka amanyathelo wesayisi _____.

b. Isibalo esimbalwa sifaka isayisi _____.

c. _____ abentwana bayazibandakanya erhubhululweni.



Kunjani ngawe?

Fumana kobana wena nabangani bakho nifaka isayisi bani!

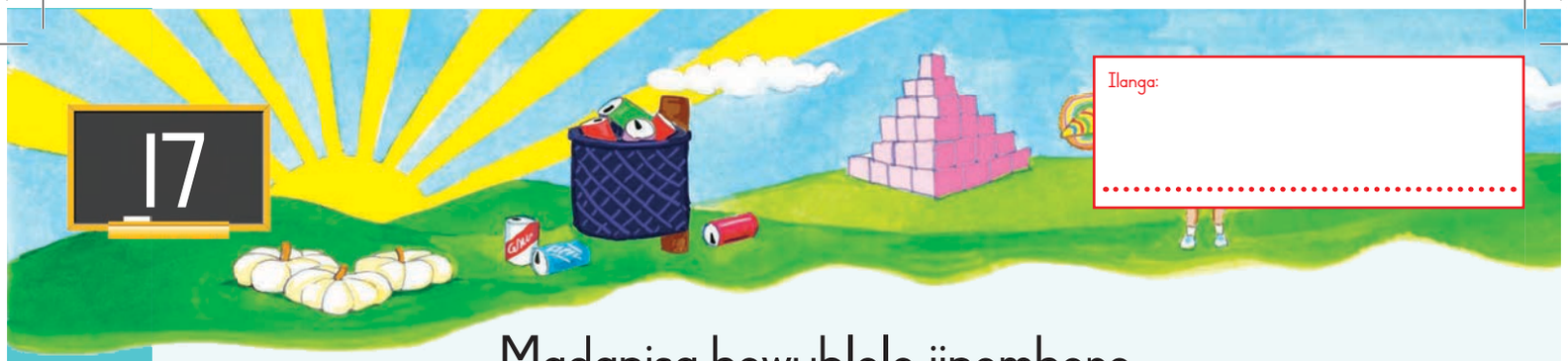
- Sebenzani ngeenqhema zangaba-6 ukuya kezangababu-8.
- Buthelelani imininingwana yenu.
- Tlolani isibalo samasayisi wamanyathelo ethebuleni.
- Madanisani iimpendulo nezinye iinqhema.



Teacher:
Sign:
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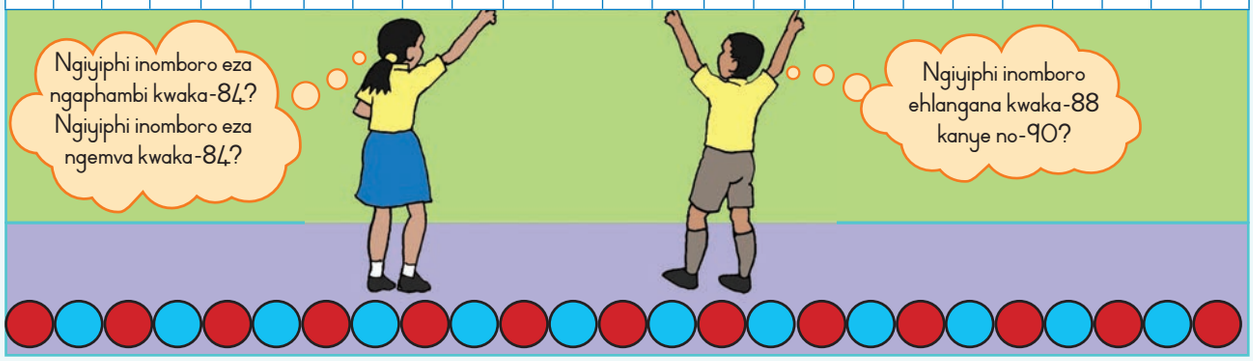
17

Ilanga:

Madanisa bewuhlele iinomboro

Ithemu I

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





Zalisa ngeenomboro ezitlhayelako.

51									
						67			
71									
									100

Sebenzisa ibhodi yeenomboro ukuphendula imibuzo.

- Ngiyiphi inomboro eza ngaphambi kuka-68? _____
- Ngiyiphi inomboro elandela u-68?_____
- Tlola iinomboro ezihlanu ezincani kuno-71. _____, _____, _____, _____, _____
- Tlola iinomboro ezihlanu ezikulu kuno-71. _____, _____, _____, _____, _____
- Ngiziphi iinomboro ezihlangana kwaka-79 kanye no-84?_____
- Tlola iinomboro kusuka kencani khulu kuye kekhulu. 73, 52, 50, 59, 61

  _____
- Tlola iinomboro ukusuka kekhulu kuye kencani. 74, 96, 99, 91, 38

  _____



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Qedelela itheyibula. Thoma ngenomboro onikelwe yona.

	Enye ngaphezulu	Encani ngaphasi	Ezinye ezilitjhumi	Ezilitjhumi ngaphasi
25				
39				
74				
56				
40				



Ndulungela inomboro ekulu khulu.

78	87	17	36	63	33

Ndulungela inomboro encani khulu.

99	19	9	14	41	40



Nangabe itshwayo < litjho okuncani kuna- bese kuthi itshwayo > litjho kobana kukhulu. Qedelela:

32	<	64	23	>	18
75		98	89		57



Funyana iinomboro ezi-5 ephephandabeni ezihlangana kwaka-50 kanye no-99 bese uzinamathisela kusukela kencani ukuyo kekulu.



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18

Ilanga:

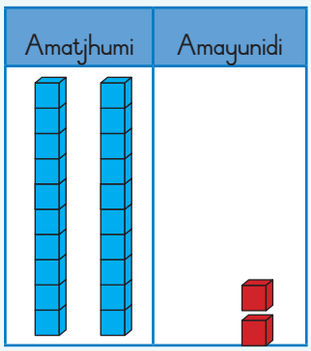
Ithemu 1

Ubukhulu beenomboro ukuya kuma-99



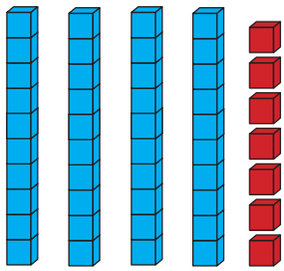
Ukutjengisa inomboro ngokusebenzisa izinto

Godu singakghona ukutjengisa iinomboro ngamabhlogo wethu weenomboro ezikulu. Ibhlogo elincani lijamele ku-1.
Umtletle wamabhlogo amancani ali-10 ajamele i-10. "Litjhumi"



Ungatjengisa inomboro ngokusebenzisa amatjhumi namkha amayunidi.

Lapha yindlela yokutjengiswa kwama-47.



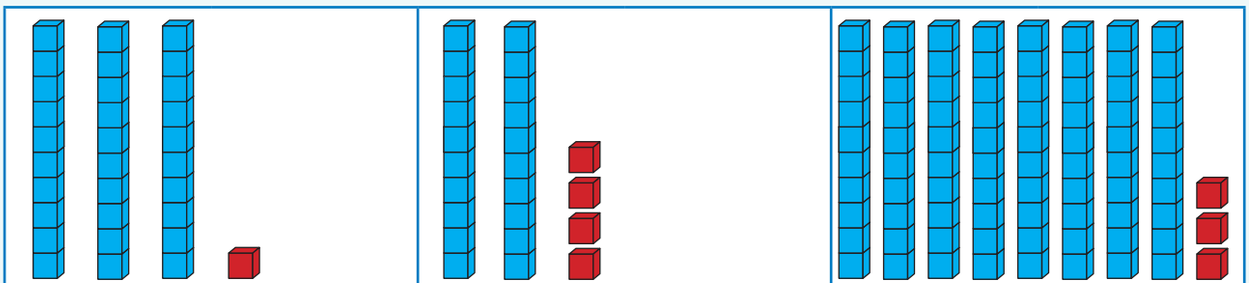
Amatjhumi	Amayunidi
4	7

Amatjhumi amane nekhomba-47



Ukutlola iinomboro ngamadijithi nangamagama

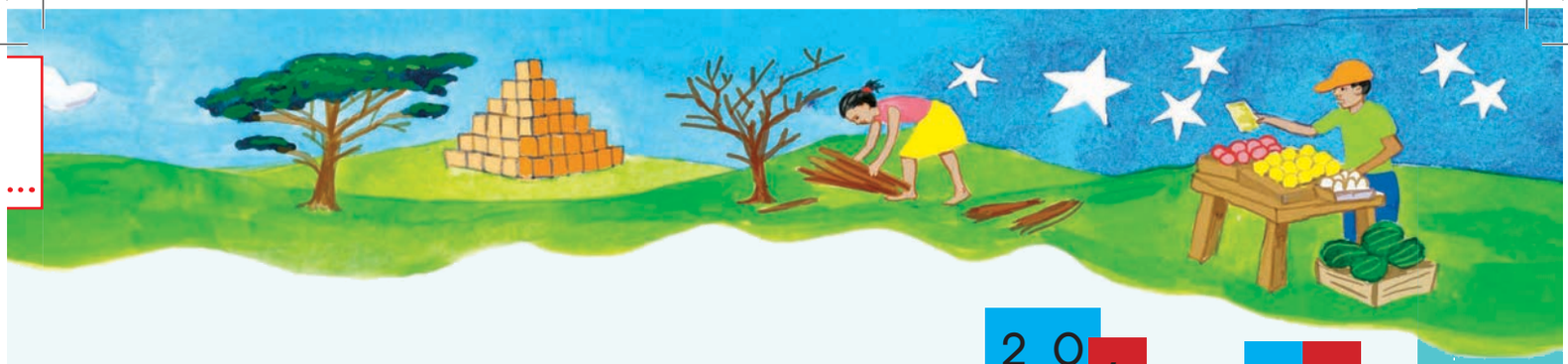
a. Ngaphasi kwesithombe, tlola kobana kunamatjhumi amangaki begodu mangaki amayunidi. Bese utlola inomboro ngamadijithi nangamagama.

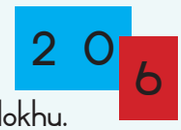


Amatjhumi	Amayunidi	Amatjhumi	Amayunidi	Amatjhumi	Amayunidi
3	1				
31 Amatjhumi amathathu nalinye		_____ _____		_____ _____	

1 2 3 4 5 6 7 8 9 10

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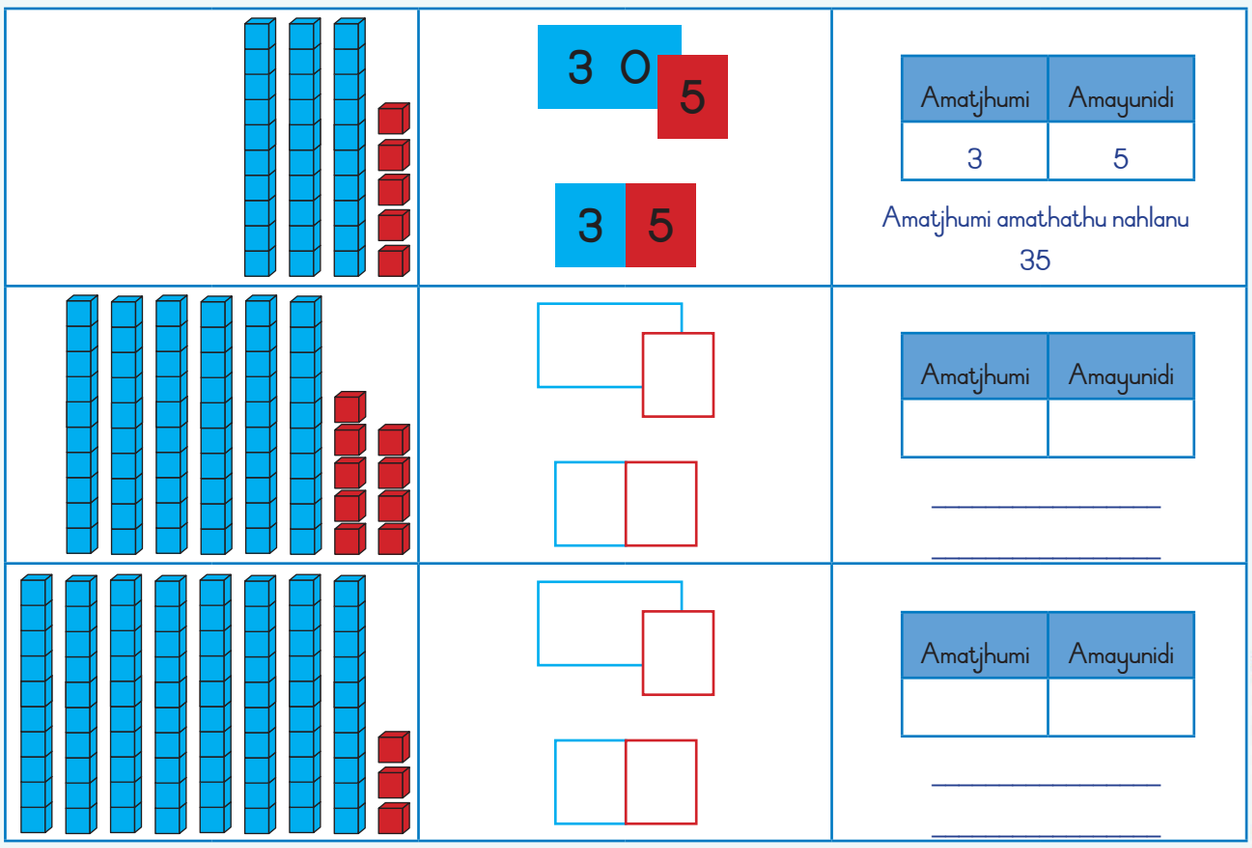


b. Godu singasebenzisa iinomboro zethu zamakarada ukutjengisa lokhu.

Nombora	Mangaki amatjhumi?	Mangaki amayunidi?	Tlola inomboro ngamagama
26	2	6	amatjhumi amabili nesithandathu
46			
99			



Iyini inomboro?





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19

Ilanga:

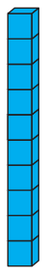
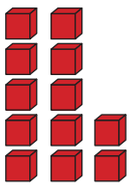
.....



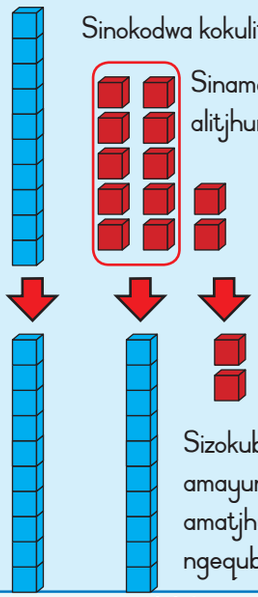
Ukubeka amatjhumi ndawonye lokha nasihlanganisa ukuya ema-99

Funda

Nasi indlela yinye yokutjengisa ama-22.

Amatjhumi	Amayunidi
	
itjhumi li-1	amayunidi ali-12
1 0	1 0 2

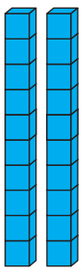
Sinokodwa kokulitjhumi



Sinamayunidi alitjhumi nambili

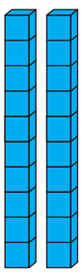
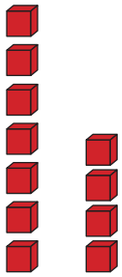
Sizokubeka amayunidi amatjhumi ngequbi

Kwanjesi sinenye indlela yokutjengisa ama-22.

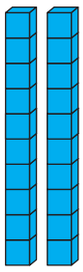
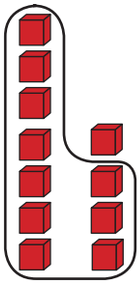
Amatjhumi	Amayunidi
	
amatjhimi ama-2	amayunidi ma-2
2 2	

Asihlanganise 27 + 4. Sizokuthoma ngamabhlogo ahlaza. Amabhlogo apinki la ngiwo esizokungezelela ngawo.

Ama-27matjhumi ama-2 begodu nabowani abali-7. Bese sihlanganisa abowani aba-4 ngaphezulu.

Amatjhumi	Amayunidi
	
ama-2	ama-7 +ama-4
2 0	7 4

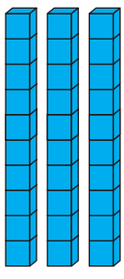
Sinamatjhumi ama-2 begodu nabowani abali-11.

Amatjhumi	Amayunidi
	

Singatjengisa abowani abali-10 njenge tjhumi linye.

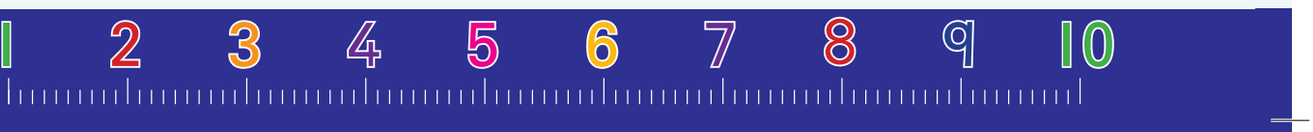
2 0 1 0 1

Kwanjesi sinamatjhumi ama-3 + nowani mu-1 = 31

Amatjhumi	Amayunidi
	

___ + ___ = ___

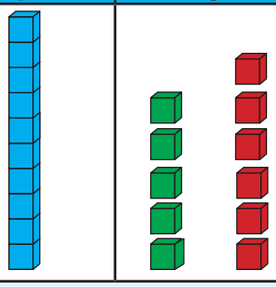
3 1



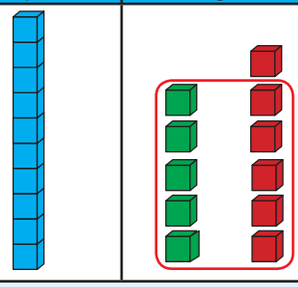
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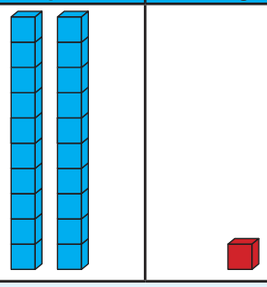
Tlola iinomboro zomutjho ezitjengiswe sithombe

Amatjhumi	Amayunidi
	

10 + 5 + 6

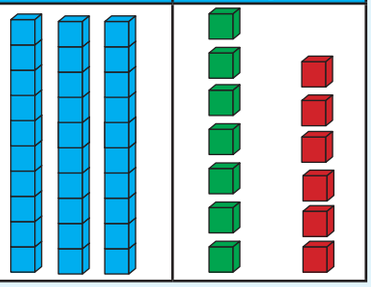
Amatjhumi	Amayunidi
	

____ + ____ + ____

Amatjhumi	Amayunidi
	

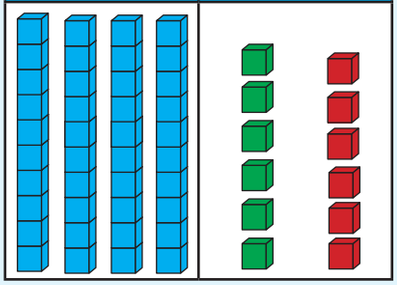
____ + ____ = ____

Qedelela iinthombe. Tlola imitjho yeenomboro etjengiswe esithombeni.

Amatjhumi	Amayunidi
	

Amatjhumi	Amayunidi

Amatjhumi	Amayunidi

Amatjhumi	Amayunidi
	

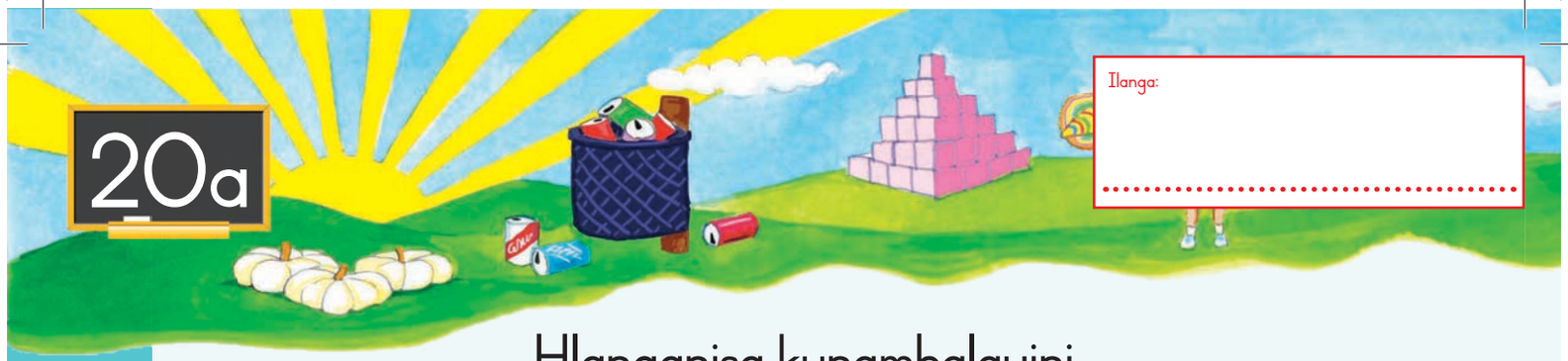
Amatjhumi	Amayunidi

Amatjhumi	Amayunidi

Teacher:
Sign:
Date:

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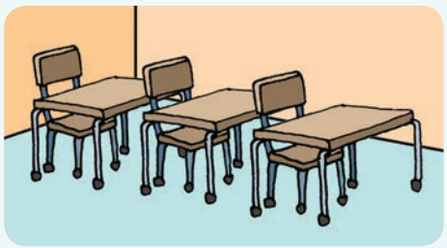
20a

Ilanga:

Ithemu I

Hlanganisa kunambalayini

Hlala edeskeni lakho!

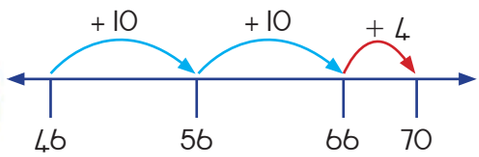


Esikolweni sethu umfundi ngamunye unedeske lakhe.
Kunabafundi abama-46 kuGreyidi 3A begodu bama-24 kuGreyidi 3B.
Ingabe sitlhoga amadeske amangaki ematlasini womabili?

Sebenza nomlingani

Qala kobana abafundi abathathu laba bayisebenzisa njani inambalayini ukusombulula umraro. Qedelela iimbalo usebenzile isibonelo.





Lokhu ngengikwenzako: Ngithoma ngokuhlanganisa i-10.
Lokhu kungiletha ema-56. Bese ngeqa i-10 elinye ngiye ema-66.
Begodu kwamaswaphela, ngeqa ku-4 ngaphezulu ukufika ema-70.

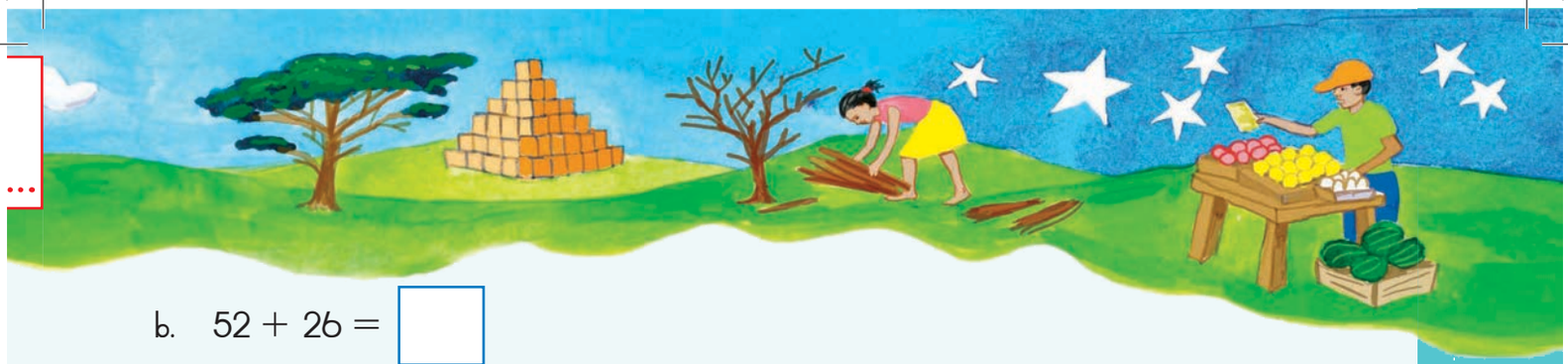
= 46 + 10 + 10 + 4
= 56 + 10 + 4
= 66 + 4
= 70



a. 32 + 25 = ☐



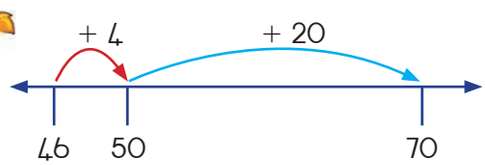
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b. $52 + 26 =$ ☐

c. $46 + 25 =$ ☐





Kufanele ngihlanganise ama-24 ukuya ema-46.



Lokhu ngengikwenzako: Kokuthoma ngizokweqa ku-4. Lokho kuzangiletha ema-50. Ngingeqa ukudlula ama-20, okungiletha ema-70.

$= 40 + 10 + 20$

$= 50 + 20$

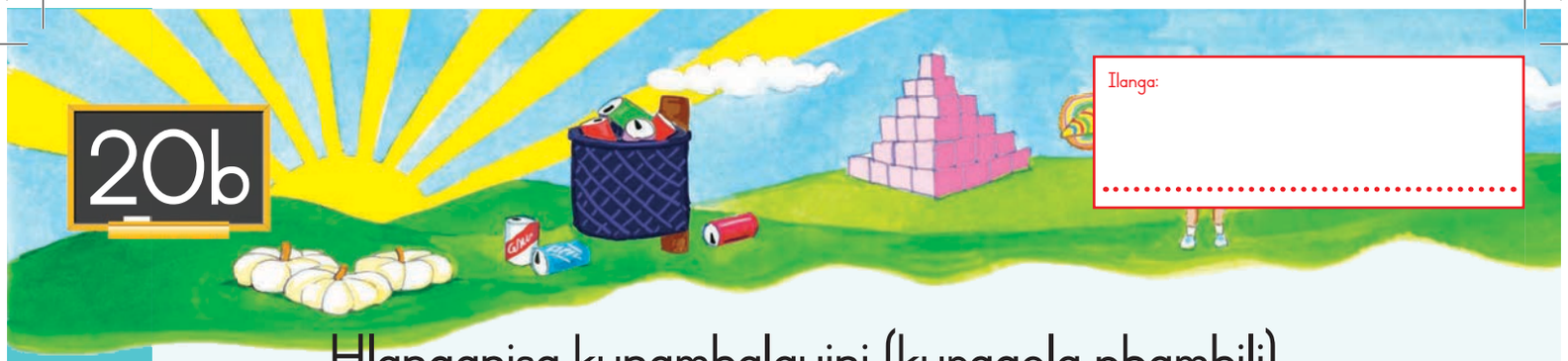
$= 70$

a. $36 + 41 =$ ☐

Teacher:
Sign:
Date:

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20b

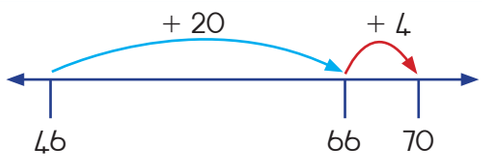
Ilanga:

Hlanganisa kunambalayini (kuragela phambili)

Ithemu I

b. 57 + 19 ☐





Kufanele ngihlanganise ama-24 ukuya ema-46.



Lokhu ngengikwenzako: ukusuka ema-46, ngingeqa ama-20. Lokho kungiletha ema-66. Kwanjesi kufanele ngeqe ku-4 ngaphezulu begodu bese ngifika ema-70.

= 46 + 20 + 4

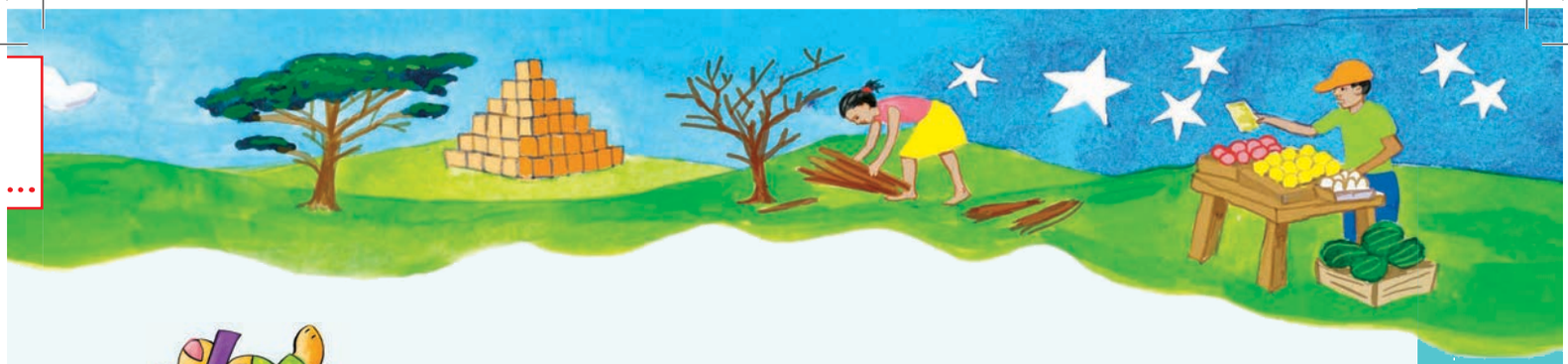
= 66 + 4

= 70

a. 63 + 24 = ☐

b. 65 + 29 = ☐

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Ziinlofu ezingaki?

Umbhagi udiliva iinlofu ezima-54 ezibhraweni  begodu neenlofu ezima-68  ezimhlophe.

a. Ziinlofu ezingaki sezizoke?

b. Fumana ithothali kunambalayini.

Tjengisa iinomboro nesilinganiso sokweqa.

Hlanganisa okulandelako, ngaphandle kokusebenzisa inambalayini.

Sebenzisa yakho indlela.

38 + 24 =

58 + 17 =

75 + 16 =

83 + 29 =

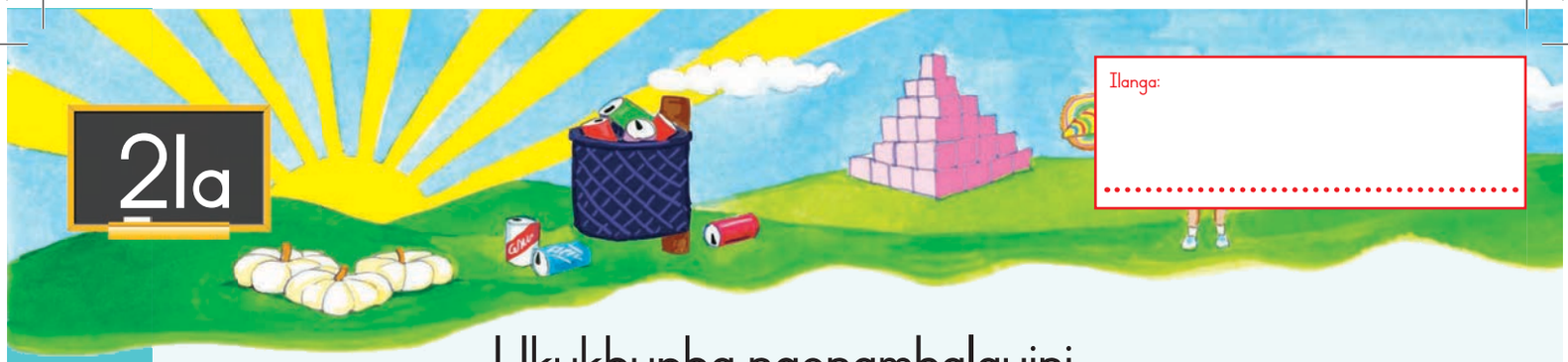
Teacher:

Sign:

Date:

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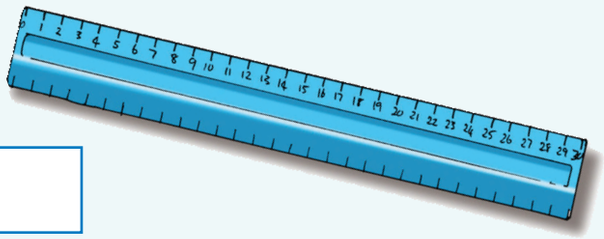
2.1a

Ilanga:

Ithemu I

Ukukhupha ngenambalayini

Umfundi munye! Irula yinye!



Itlasi litlhoga amarula ama-53. Kunama-35 kwaphela.

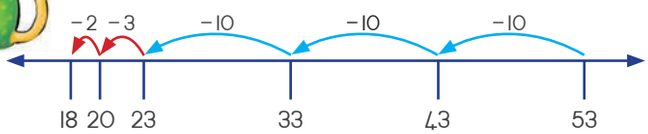
Sisatlhoga mangaki? 53 – 35 =

Sebenza nomlingani

Funda kobana abafundi abanye abathathu abafanako bayisebenzisa njani inambalayini lapha.

Qedelea iimbalo usebenzise isibonelo.





Kufanele ngikhuphe ama-35 kuma-53. Ukukhupha kutjho ukususa.



Ngalokho ke, ngizakuthoma ema-53 begodu ngisuse. Ngizakususa i-10, 10, 10 – elingiletha ema-23. Kwanjesi ukususa kuhlanu, okokuthoma ngisusa ku-3, bese ngiza ema-20. Ngisusa ku-2 ngaphezulu begodu ngifumana i-18. Ngalokho ke sitlhoga iinrula ezili-18.

= 53 – 10 – 10 – 10 – 3 – 2

= 43 – 10 – 10 – 3 – 2

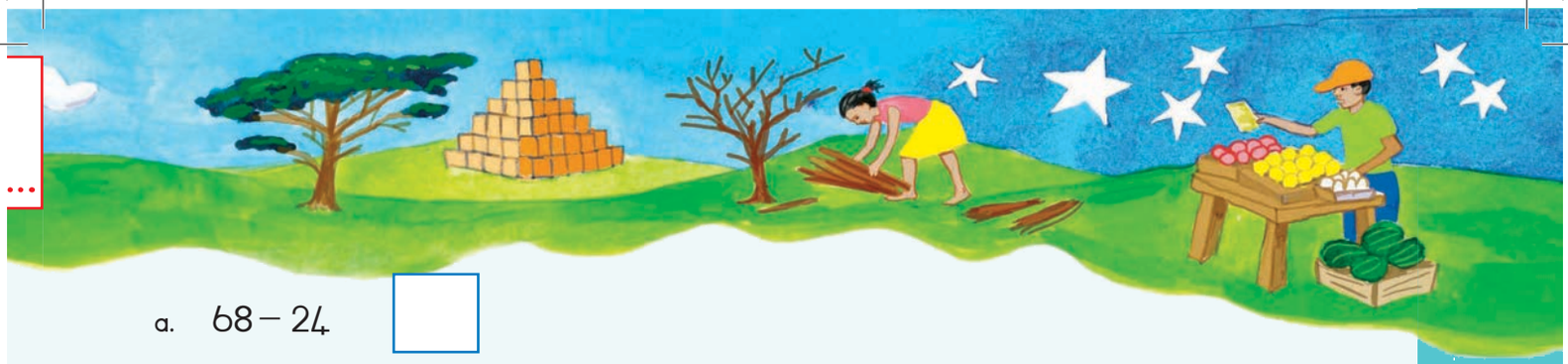
= 33 – 10 – 3 – 2

= 23 – 3 – 2

= 20 – 2

= 18

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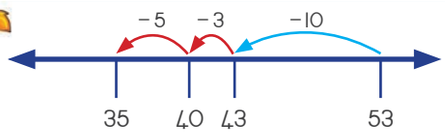


a. 68 – 24

b. 74 – 38

c. 92 – 87





Ukukhupha kutjho ukufumana umehluko hlangana nama-53 nama-35.



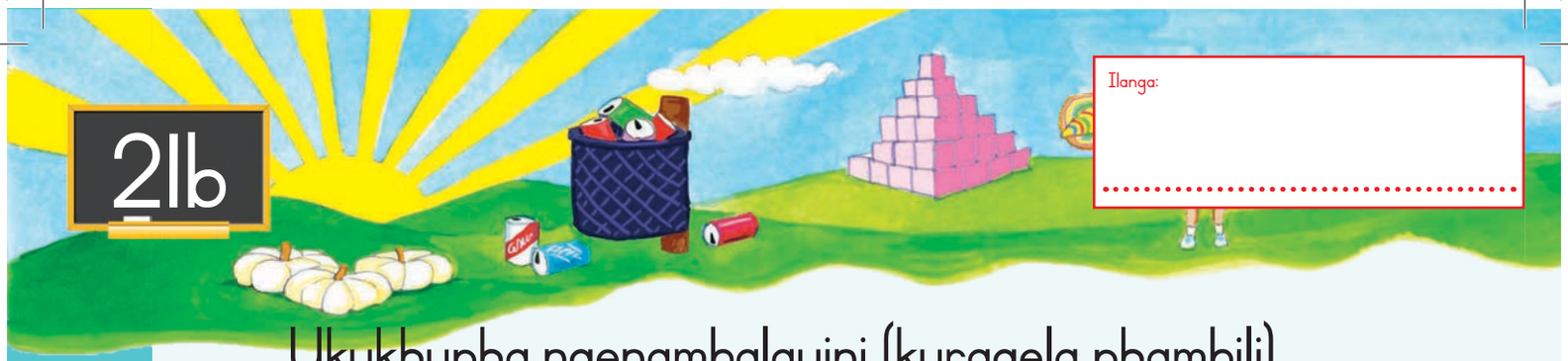
Ngizakuthoma ema-53 bese ngibala ukuya emuva ema-35 ukufumana umehluko. Nakhibe ngibala ngibuyele emva nge-10, ngiya ema-43. Ngingabala ngiye emva ngaku-3 ngaphezulu ukuya ema-40. Bese ngibala ngiye phasi ngaku-5 ngaphezulu ukuya ema-35. I-10 naku-3 nakuhlanu kuli-18. Ngalokho-ke sitlhoga amarula angaphezulu nge-18.

a. 38 – 14

Teacher:
Sign:
Date:

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21b

Ilanga:

Ukukhupha ngenambalayini (kuragela phambili)

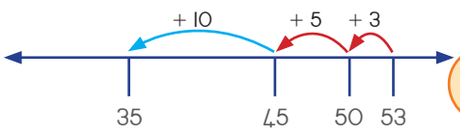
Ithemu I

b. 65 – 43 = ☐

c. 72 – 39 = ☐

d. 85 – 48 = ☐





Ngingathoma ema-35 begodu ngibone kobana kungithatha imeqo emingaki ukubala kufikela ema-53.

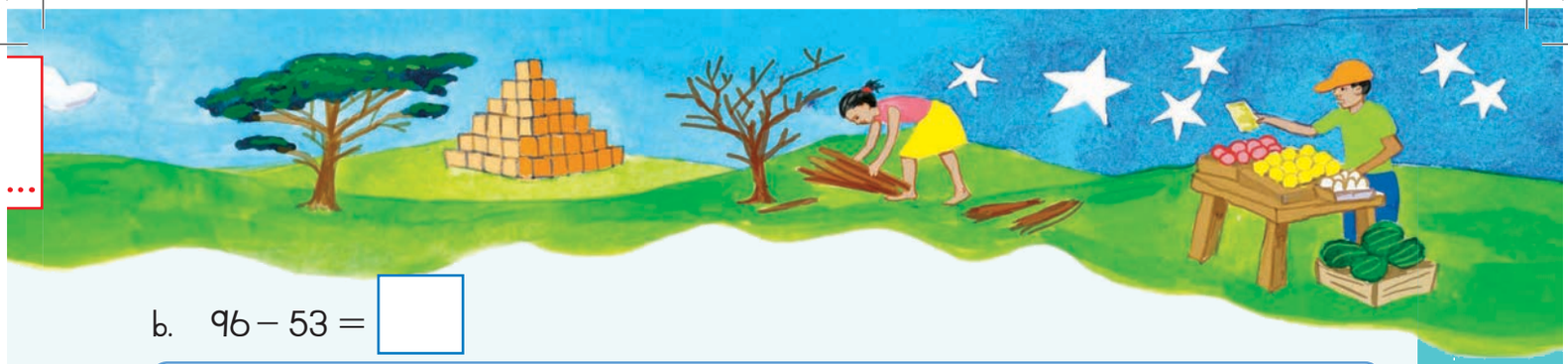


Ngingathoma ema-35 begodu ngibone kobana kuthatha imeqo emingaki ukubala kufikela ema-53. Itjhumi lihlangana nakuhlanu kuhlangane nakuthathu kuli-18. Sitlhoga amarula ali-18 ngaphezulu.

a. 84 – 32 = ☐



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b. 96 – 53 = ☐

c. 78 – 19 = ☐

d. 63 – 47 = ☐

Khamba ngeteksi



Ikhambo ngeteksi lokuya edrobheni lima-65 km.
Bekube nje iteksi sele ikhambe ama-38 km.

Kusafanele ikhambe kangangani ukuya phambili?

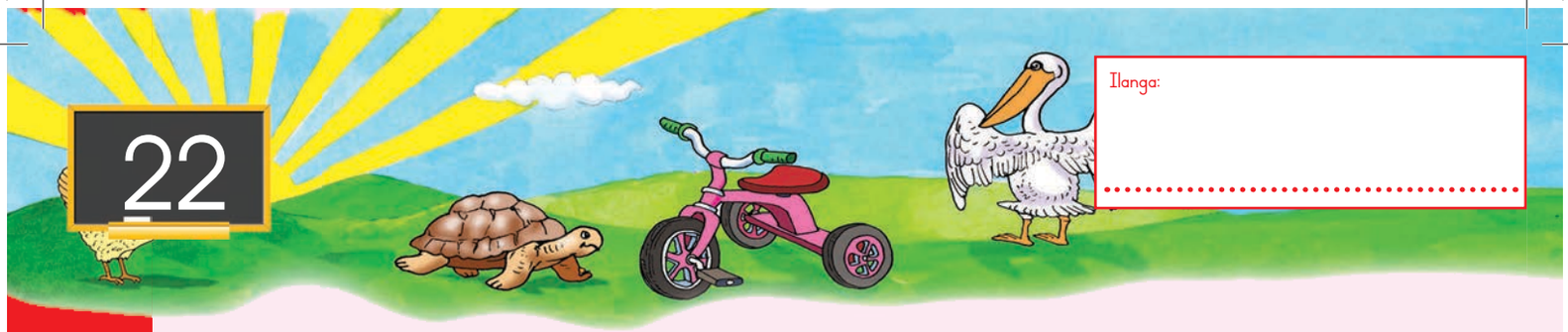
Sebenzisa inambalayini ukusombulula umraro lo.

km

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22

Ilanga:

Ithemu I

Sikhathi sephathi



Iqhinga lokuthoma!

UBusi ubawe abangani bakhe kobana bamnikele isithombe sokudla kwephathi abakuthandako. Okulandelako kukudla akuthengako. Msize kobana ahlele kuhle ukudla lokhu.



Bala, begodu tlola kobana bangaki abangani abakhetha umhlobo ngamunye wokudla.				
				
Inomboro				

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Qedelela igraf yesithombe. Sebenzisa itheyibula. Gwala ubuso bunye komunye nomunye umntwana okhetha ukudla nanyana isiselo.

☺			
☺			
☺			
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☺			
			

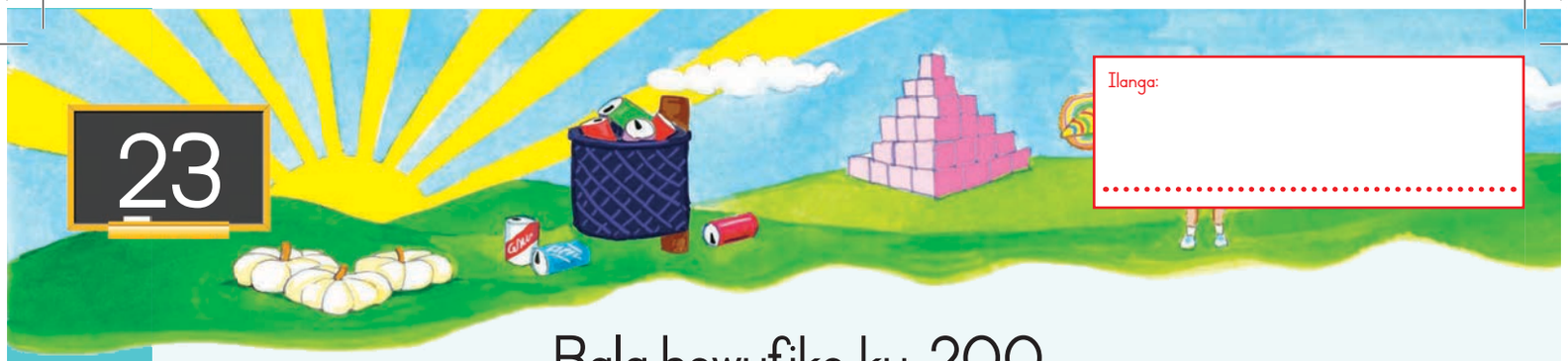
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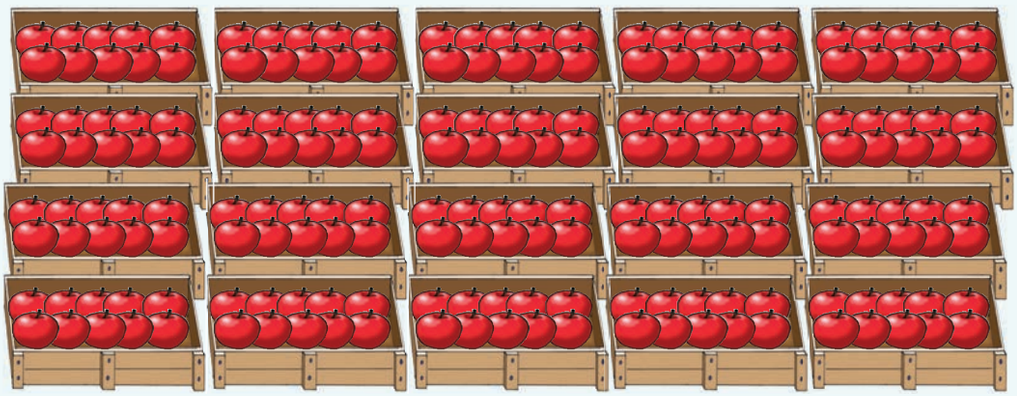
23

Ilanga:

Bala bewufike ku-200



Ubona ama-apula amangaki?



Zaliselela ngeenomboro

Ibhoksi elilodwa lina ma-apula ☐ Ireyi elilodwa lina ma-apula ☐

Ireyi elilodwa linamabhoksi ☐ Amareyi amane anama-apula ☐



Singapaka ama-apula amangaki ngemabhoksini la?

a.  ☐

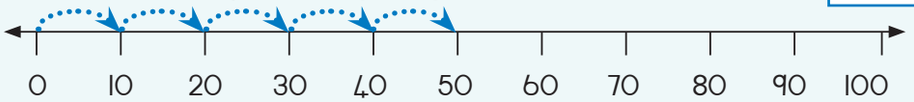
b.  ☐

c.  ☐

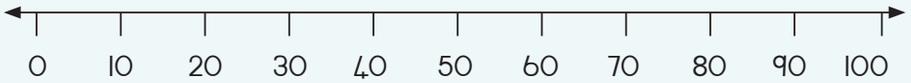


Tjengisa lokhu ngenambalayini.

a. Kuzokuba nama-apula amangaki ngemabhoksini amahlanu? ☐

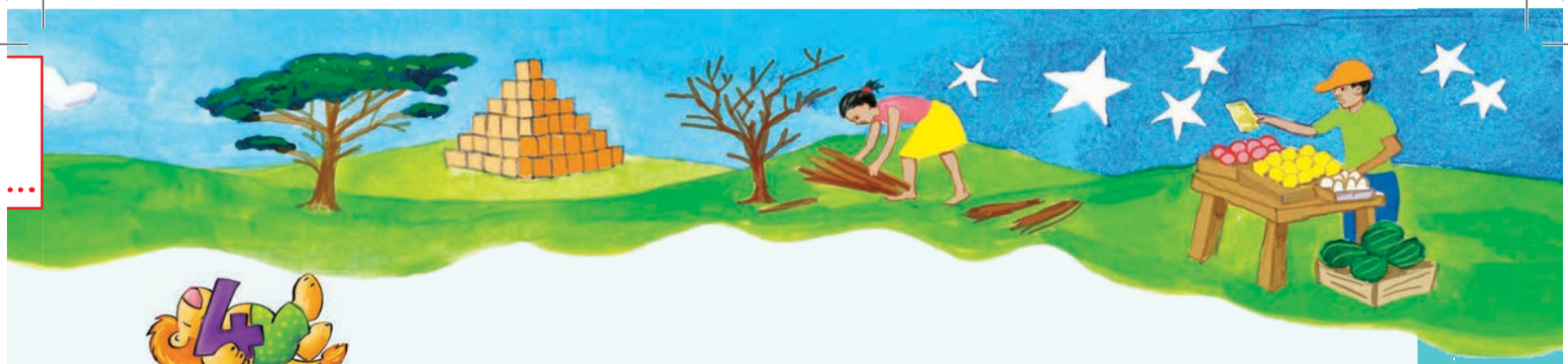


b. Kuzokuba nama-apula amangaki ngemabhoksini alikhomba? ☐





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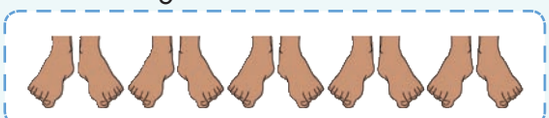


u-10 nakangezelelwe ngaku-3 kwenza – 3 0 $3 \times 10 =$ 3 0 nanyana $10 \times 3 =$ 3 0

u-10 nakangezelelwe ngaku-5 kwenza _____ × _____ = ☐ nanyana _____ × _____ = ☐

u-10 nakangezelelwe ngaku-2 kwenza _____ × _____ = ☐ nanyana _____ × _____ = ☐

Iimpara ezi-5 zeenyawo.
Kuneenzwani ezingaki sele zizoke?



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

nanyana $10 \times 5 =$ ☐

Yenza lokhu ngendlela efanako.

Iimpara ezi-4 zeenyawo. Kuneenzwani ezingaki sele zizoke?

_____ = ☐ _____ × _____ = ☐ nanyana _____ × _____ = ☐

Iimpara ezi-9 zeenyawo. Kuneenzwani ezingaki sele zizoke?

_____ = ☐ _____ × _____ = ☐ nanyana _____ × _____ = ☐

Asibaleni nge-10.

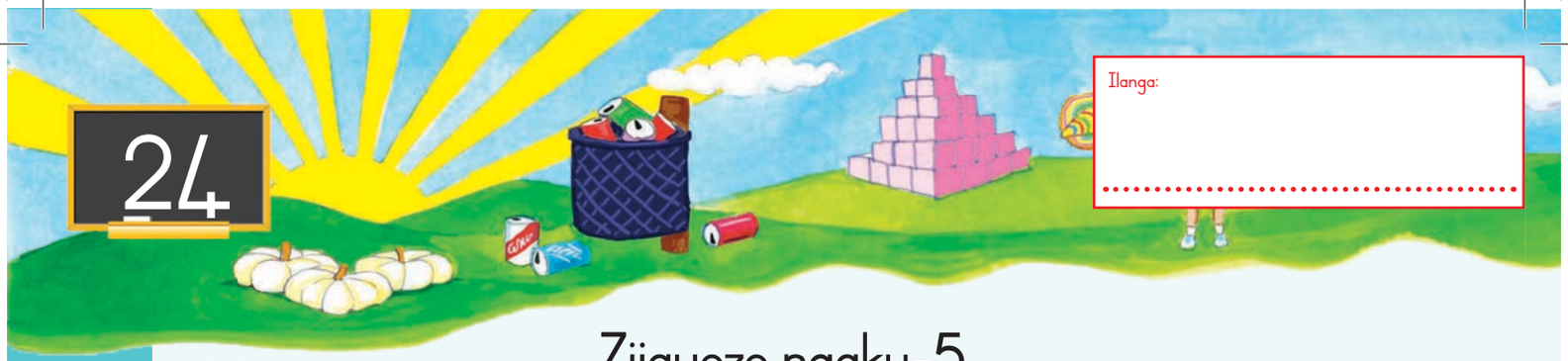
10, 20, 30, 40, 50, _____, _____, _____, _____, _____, _____,

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

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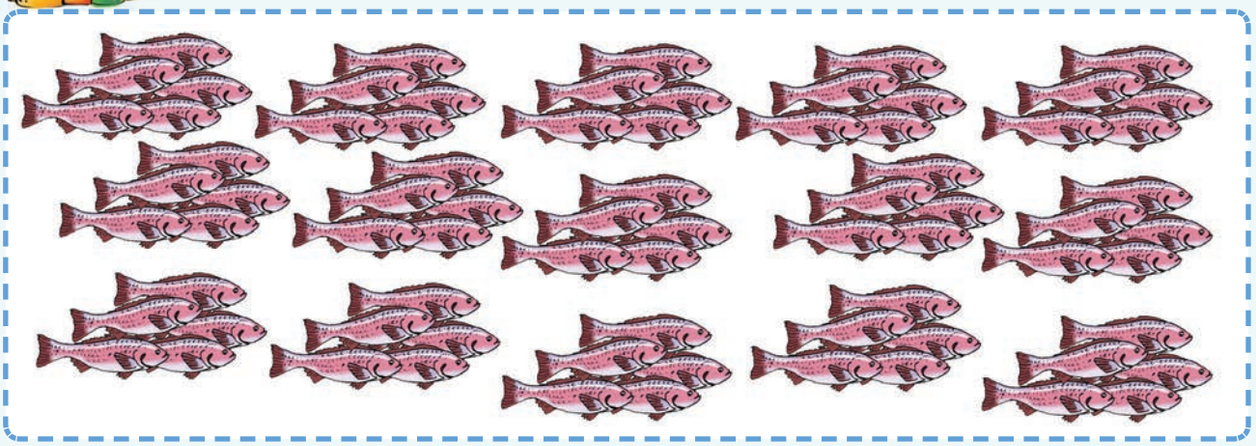
24

Ilanga:

Zijayeze ngaku-5



Ingabe iinhlambi zingaki? Linganisa ukuthi kungaki.



Kwanjesi bala iinhlambi.
Fumana ithothali.

Bala ngaku-5



Fumana ithothali yamaqanda weenhlambi. Tlola umutjho weenomboro usebenzise u + kunye no × . Sesikwenzele isibonelo.

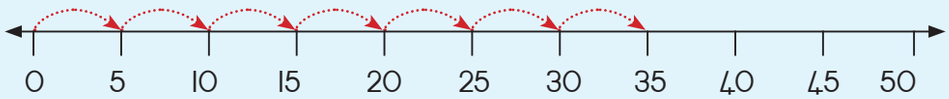
Ihlambi namaqanda	Ingabe mangaki amaqanda?	
Iinhlambi ezi-5, zibekela amaqanda ama-2	2 + 2 + 2 + 2 + 2 = 10	5 × 2 = 10
Iinhlambi ezi-5, zibekela amaqanda ali-10		
Iinhlambi ezi-5, zibekela amaqanda ama-4		
Iinhlambi ezi-5, zibekela amaqanda ama-3		
Iinhlambi ezi-5, zibekela amaqanda asi-6		
Iinhlambi ezi-5, zibekela amaqanda abu-8		
Iinhlambi ezi-5, zibekela amaqanda ama-5		



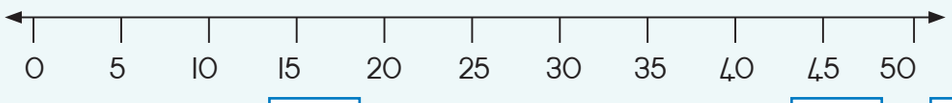
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Qedelela imitjho yeenomboro namanambalayini.

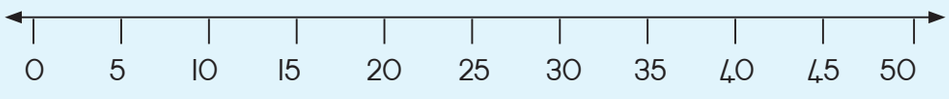


$5 + 5 + 5 + 5 + 5 + 5 + 5 =$ 35 nanyana 7 × 5 = 35



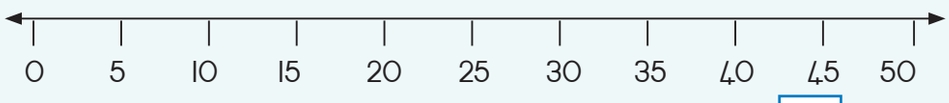
$5 + 5 + 5 + 5 =$ ☐ nanyana ☐ × ☐ = ☐

b.



$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 =$ ☐ nanyana ☐ × ☐ = ☐

c.



__ + __ + __ + __ + __ + __ + __ + __ + __ + __ = ☐ nanyana $10 \times 5 = 50$

Bamba ihlambi

USipho ubamba iinhlambi ezihlangana kwama-40 nama-50. Uyazibala ngaku-2 begodu usele nayi-1.
Uzibala ngaku-5 begodu usele nazi-2. Ingabe uSipho ubambe iinhlambi ezingaki? ☐

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25a

Ilanga:

.....

Bala ngaku-2



Bala amakowusu



a. Mangaki amakowusu alapho? _____

b. Ziimpara ezingaki zamakowusu? _____

c. Kusele amakowusu amangaki? _____

Ithemu I

1 2 3 4 5 6 7 8 9 10

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Ukubala iimpara zamakowusu

Tlola kobana ziimpara ezingaki zamakowusu ezilapho begodu utjho nakhibe kukhona aseleko.

Amakowusu	Isibalo seempara	Inani lamakowusu	Amswenya aseleko
			
			
			
			
			



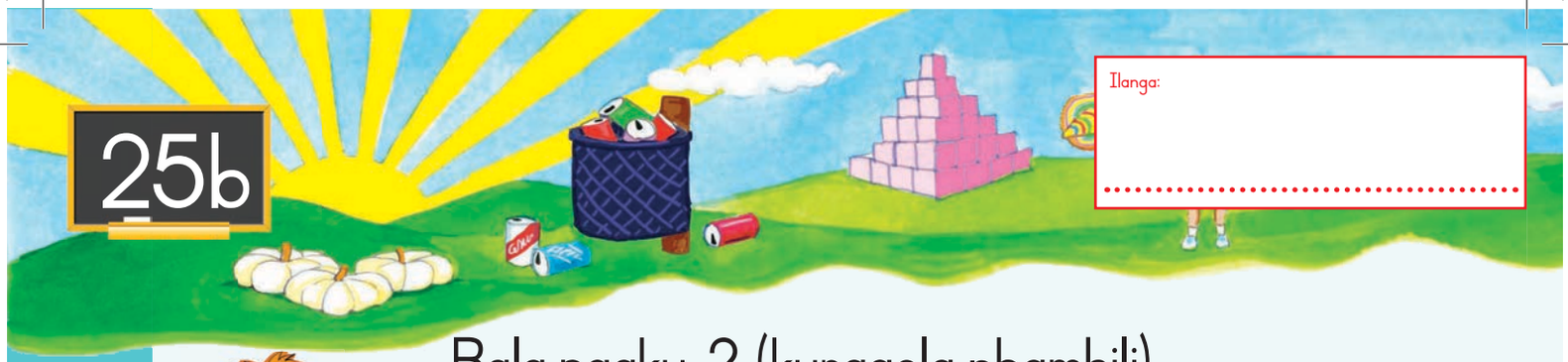
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25b

Ilanga:

Ithemu I

Bala ngaku-2 (kuragela phambili)



Ukwakha iimpara.

Tlola phasi iinomboro ezilinganako nenomboro ezingalinganiko kusukela e-1 – 60.

a. Tlola iinomboro ezilinganako kusukela kwe- 1 – 60.

2, 4, 6,

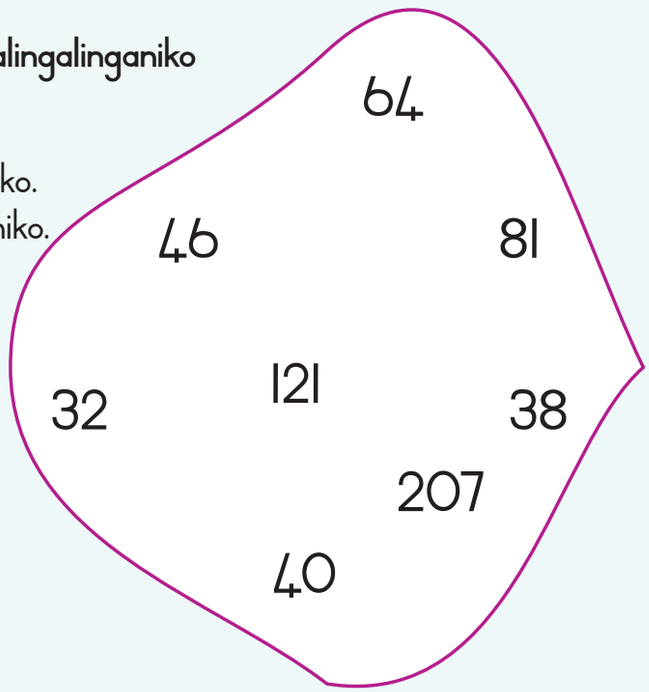
b. Tlola iinomboro ezingalinganiko kusukela kwe- 1 – 60.

3, 5, 7,



Okulingalinganako nokungalingalinganiko

Dweba indulunga eenomborweni ezilinganako.
Dweba iskwere eenomborweni ezingalinganiko.





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5 Kusukela emakowuswini ukuya eempareni zamakowusu

Isibonelo:

ipara yi-1  = amakowusu ma-2

$2 \times 1 = 2$

impara ezili-10  = amakowusu ama-20

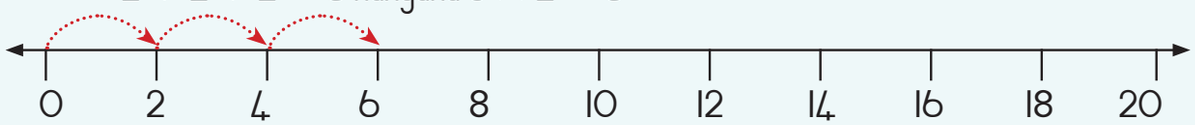
$2 \times 10 = 20$

a. Tlola kobana mangaki amakowusu.

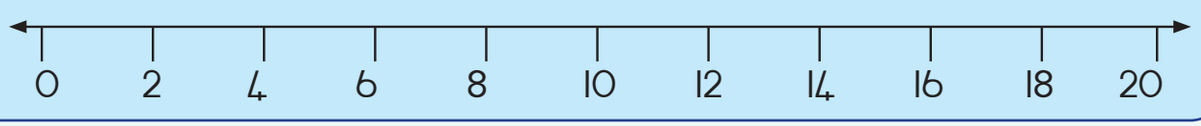
Cabanga ngaku-2	Umutjho weenomboro
Ipara eyo-1 amakowusu = ama-2	2 × 1 = 2
Iimpara ezi-2 amakowusu = ama-___	2 × 2 =
Iimpara ezi-4 amakowusu = abu-___	
Iimpara ezibu-8 amakowusu = ali-___	
Iimpara ezili-9 amakowusu = ali-___	

b. Tjengisa inani phezu kwenambalayini bese uyaqedelela.

Isibonelo: $2 + 2 + 2 = 6$ nanyana $3 \times 2 = 6$



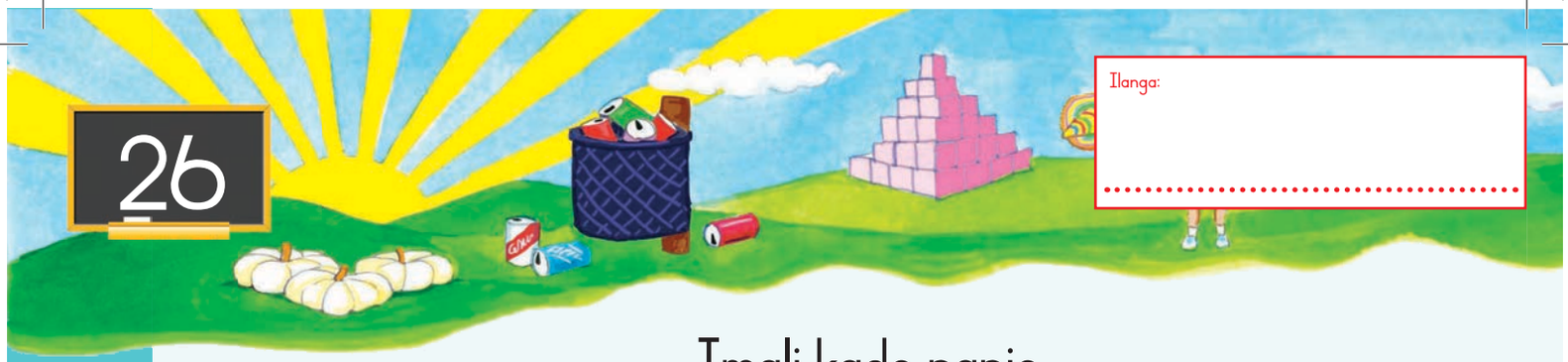
$2 + 2 + 2 + 2 + 2 + 2 + 2 =$ ☐ nanyana ☐ × ☐ = ☐



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Imali kade nanje



Indatjana yemali yethu

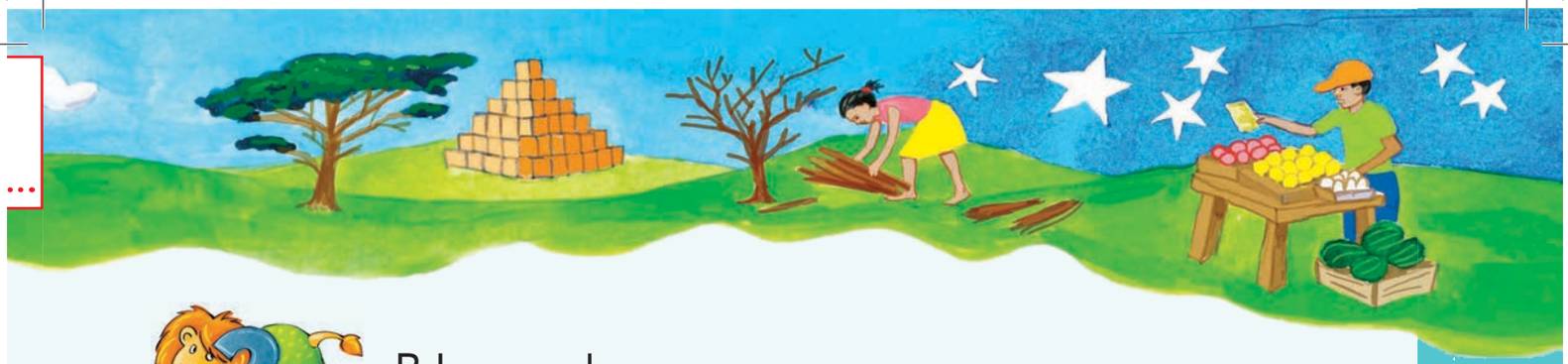
ESewula Afrika sisebenzisa amaranda namasende njengemali yethu.
Sathoma ukusebenzisa amaranda neensende ngomnyaka we-1961.

Ngalawo malanga isende yi-1 yesimbi gade kungiyo encani khulu, kulandele amasende.
ama-2 bese kulandela amasente ama-5.





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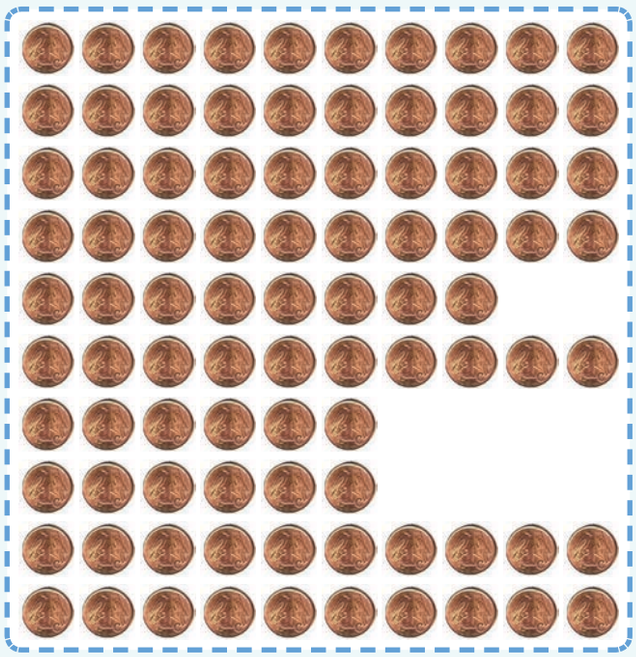
Bala amasende

Bala usende o-1.

Kunamasende amangaki?

Mangaki afunekako ukwenza i-R1,00?

Agwale ngaphakathi kwebhlogo.





Masende amangaki?

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



"Ngingathenga iinthelo ezingaki?"

2  sibiza-R4,00.

Ufumana amabhanana amangaki nge-R20,00?

2  sibiza-R2,00.

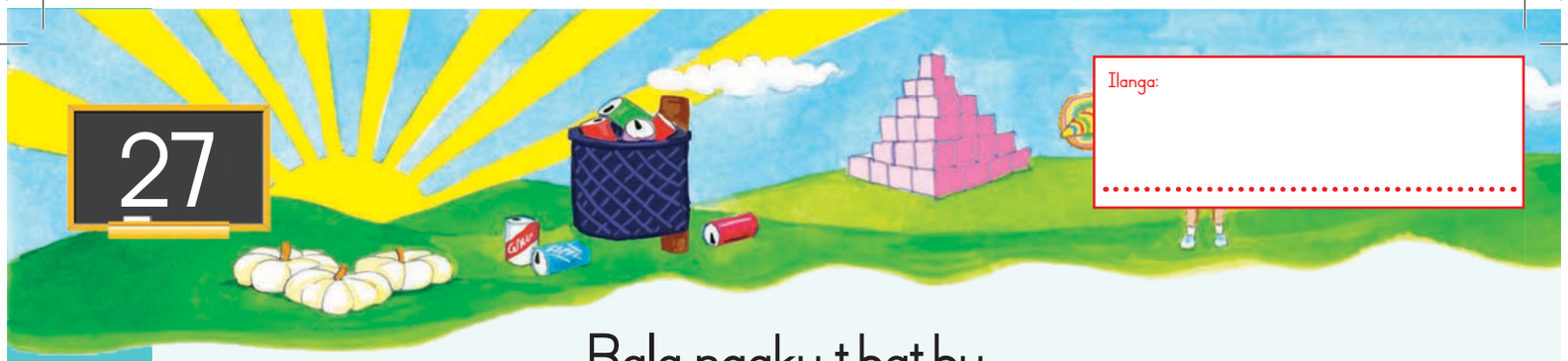
Ufumana ama-apula amangaki nge-R9,00?



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27

Ilanga:

Ithemu I

Bala ngaku thathu



Amavili ngama-3



Ibhayisigili-emavili-ntathu yi-1 inamavili ama ___.

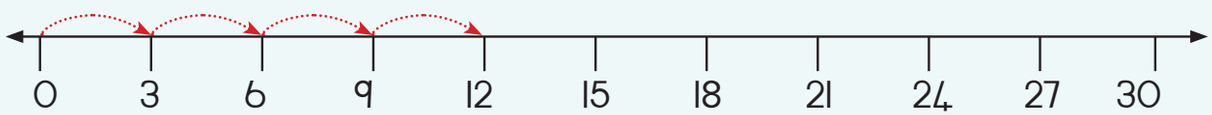


Iimbhasigili ezi-5 zinamavili ama ____.	$3 + 3 + 3 + 3 + 3 = 5 \times 3 =$ ____
Iimbhasigili ezi-2 zinamavili ama ____.	$3 + 3 = 2 \times 3 =$ ____
Iimbhasigili ezi-4 zinamavili ama ____.	
Iimbhasigili ezi-6 zinamavili ama ____.	
Iimbhasigili ezi-9 zinamavili ama ____.	
Iimbhasigili ezi-8 zinamavili ama ____.	



Amanambalayini

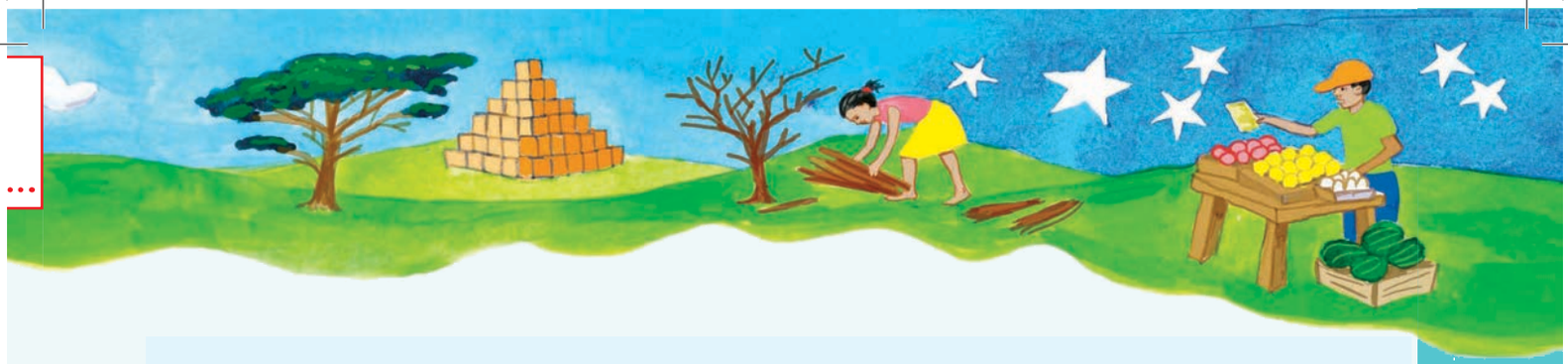
Landela isibonelo.



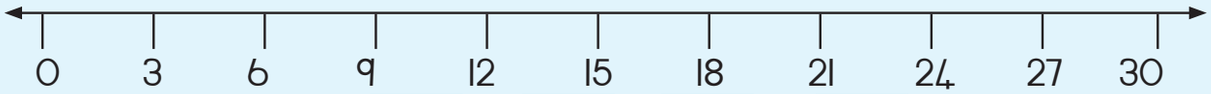
a. $3 + 3 + 3 + 3 = \square = 4 \times 3 = \square$



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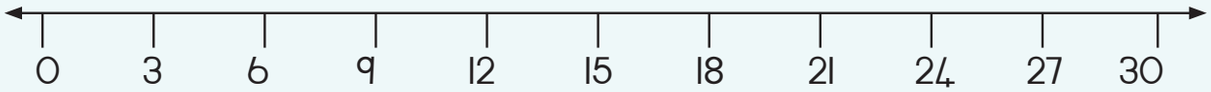


b.



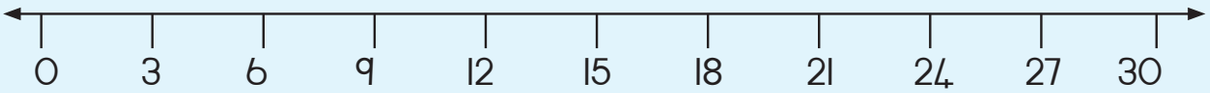
$3 + 3 + 3 + 3 + 3 = \square = \square \times \square = \square$

c.



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

d.



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



Ibhayisigili enamavili ama-2 neembhayisigili-ezimavilintathu ama-3





Esitolo seembhayisigili uBusi ubala amavili weembhayisigili neweembhayisigili-ezimavili-ntathu.

Kunamavili ali-14 sele awoke.

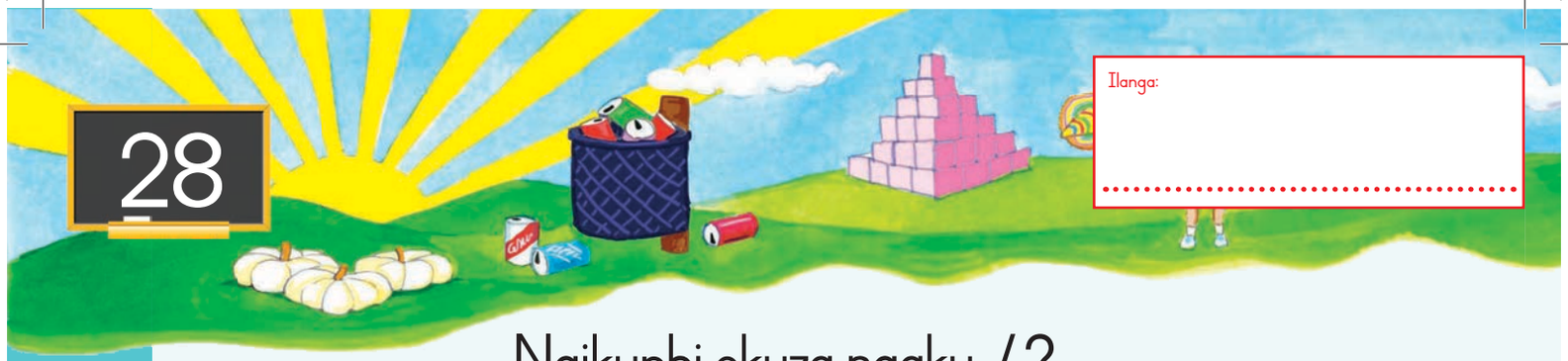
Kuneembhayisigili ezingaki lapho? _____
Kuneembhayisigili-ezimavili-ntathu ezingaki lapho? _____



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28

Ilanga:

Ithemu I

Ngikuphi okuza ngaku-4?



Imilenze emine

Amaphuzu amanye weenomboro ezi-4 ...
4 + 4 = 8; 2 × 4 = 8



"Iinkomo", ziinenyawo ezine.

Khuyini godu okukhamba ngakune? _____



Bala imilenze

Yaba iimpendulo.
Hlathulula kobana wenzeni.

Sebenzisa amaphuzu owaziko mayelana naku-4 ukuphendula imibuzo le:

Ikomo 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 ezi-8  ☐ imilenze
Iinkomo ezi-9  ☐ imilenze	Iinkomo ezi-10  ☐ imilenze

1 2 3 4 5 6 7 8 9 10

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Qedelela itheyibula elandelako. Sebenzisa isibonelo ukubanelemuko.

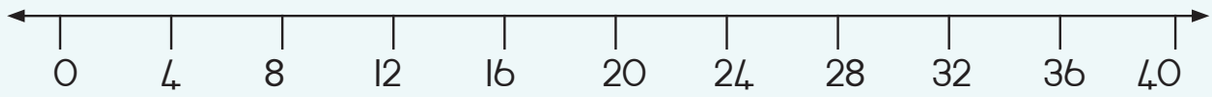
Iinkomo ezi-3 zinemilenze eli- _____	$4 + 4 + 4 = 4 \times 3 =$ 12
Iinkomo ezi-5 zinemilenze eli- _____	
Iinkomo ezi-4 zinemilenze eli- _____	
Iinkomo ezi-7 zinemilenze eli- _____	
Iinkomo ezi-8 zinemilenze eli- _____	



Amanambalayini

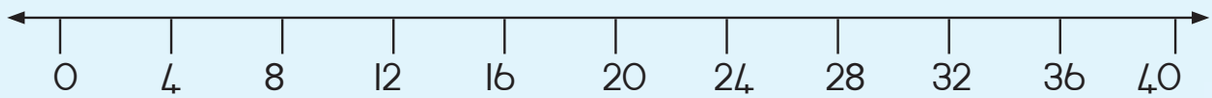
Yenza isibalo sokubuyabuyelela phezulu kwenambalayini bese uyaqedelela usebenzise ukweqa.

a.



_____ = ☐ = $5 \times 4 =$ ☐

b.

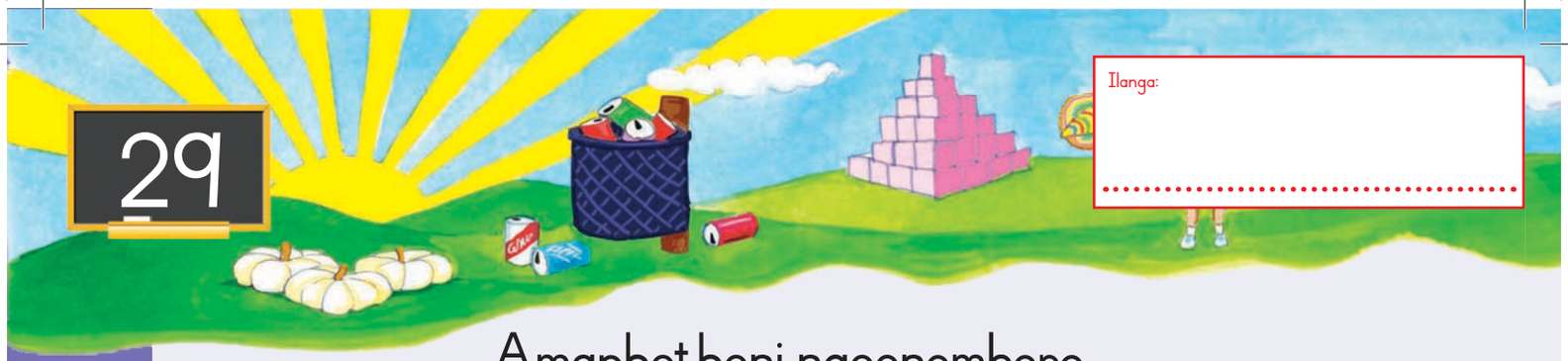


_____ = ☐ = $9 \times 4 =$ ☐



11 12 13 14 15 16 17 18 19 20

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29

Ilanga:

Ithemu I

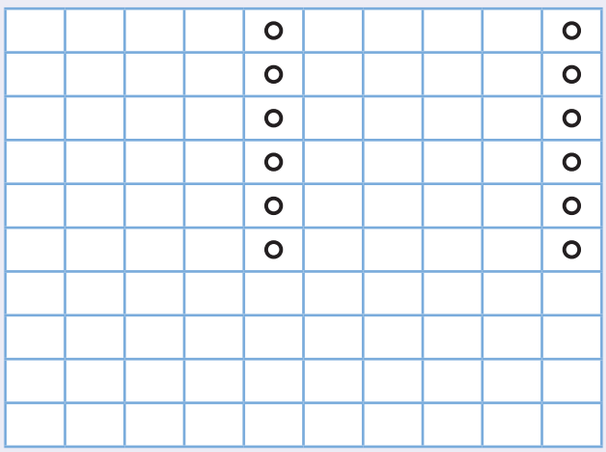
Amaphetheni ngeenomboro



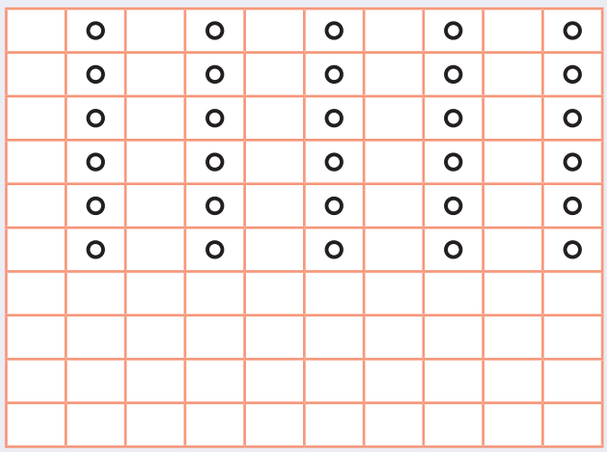
Amaphetheni wegridi

Ngiyiphi iphetheni yeenomboro eyenza iindulungu ekutjengiseni igridi ngayinye ye-100? Dweba iindulungu ezingaphezulu ukuqedelela iphetheni ngayinye. Tlola ibizo lephetheni.

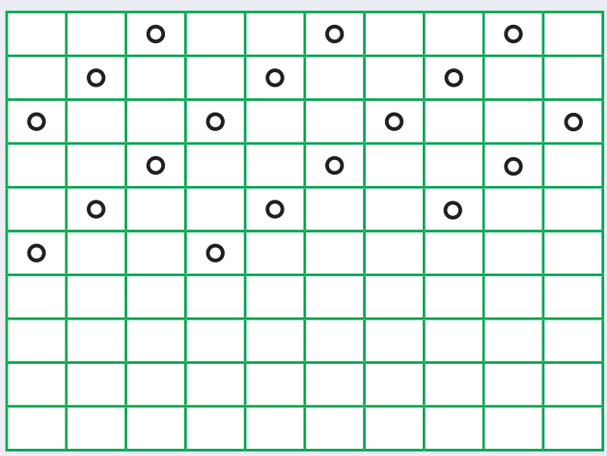
a. Iphetheni: _____



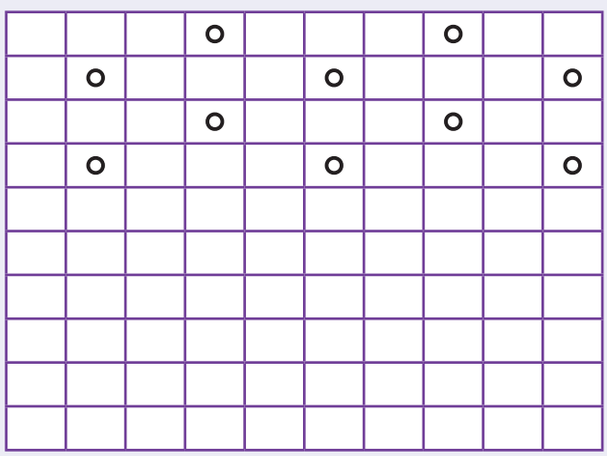
b. Iphetheni: _____



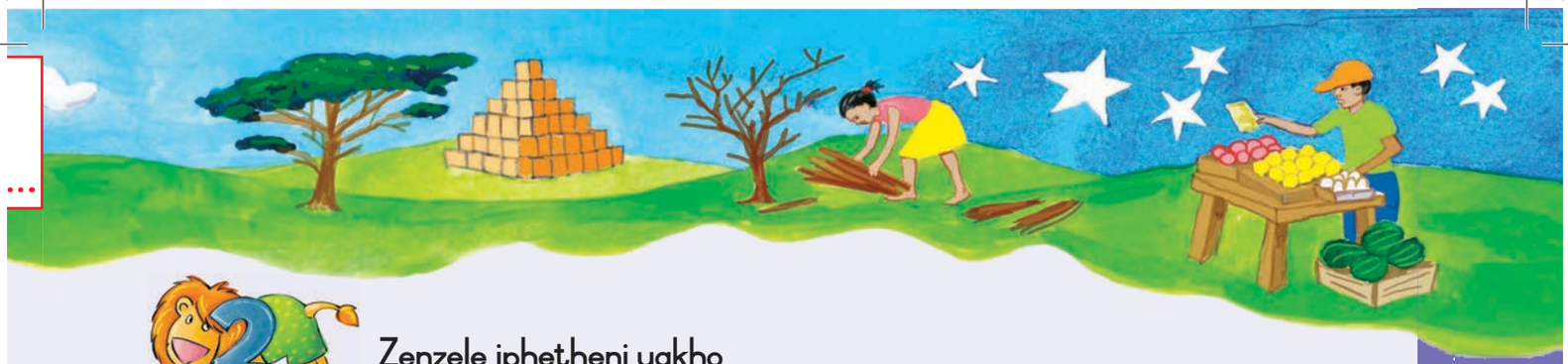
c. Iphetheni: _____



d. Iphetheni: _____



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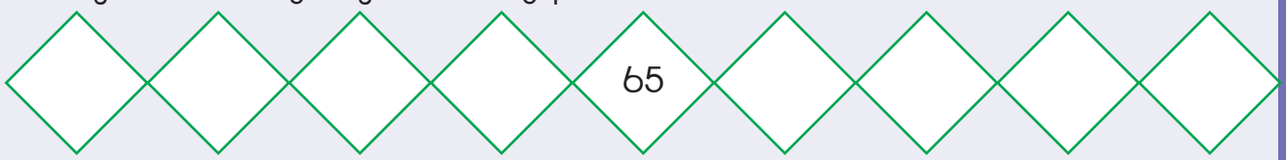


Zenzele iphetheni yakho

a. Kilephetheni yeenomboro, iinomboro zoke ziyalingana.
Inomboro enye ingaba yini? Zitlole ngaphakathi.



b. Kilephetheni yeenomboro, iinomboro zoke azilingani.
Ezinye iinomboro zingaba yini? Zitlole ngaphakathi.



Ingabe zifanele zibe kuphi?



Iphetheni yangaku-3 neyangaku-4	Iphethe yangaku-3 neyangaku-5	Iphetheni yangaku-4 neyangaku-5
Isibonelo: 48		

Elwandle



UThembi udobha amacephe welwandle ahlangana kwama-60 nama-70

Uwabala ngaku-3, usele nali-1.
Iinomboro ekungabangizo ngilezi: 61, ____, ____, 70,

Nakabala nga-5, usalelwa ku-4.

Iinomboro ekungizo ngilezi: ____, ____.

UThembi unamacephe amangaki? _____

Teacher:
Sign:
Date:

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30a

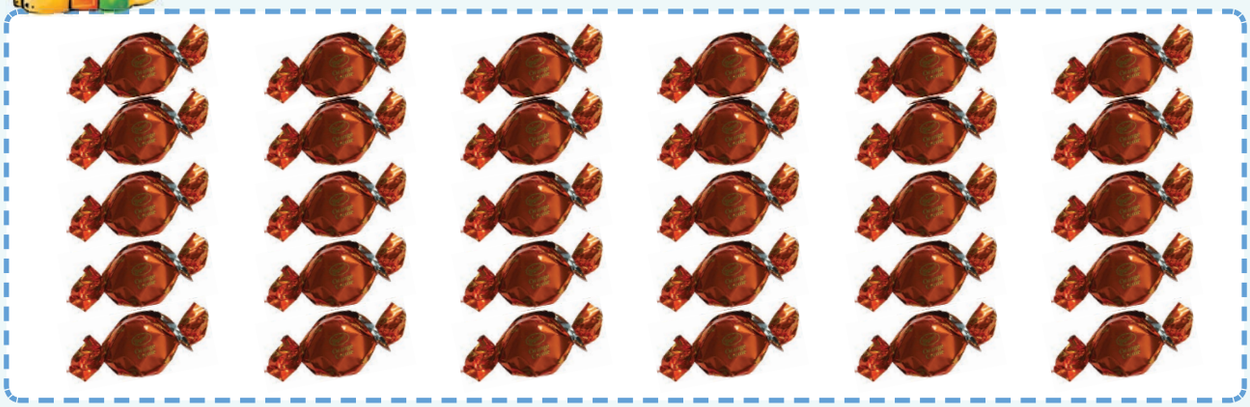
Ilanga:

Ithemu I

Ukwehlukanisa



Yabelana ngamaswidi.



a. Yabela abentwana ababili ngokulingana amaswidi ama-30.



Singatlola ngendlela elandelako:

30 ÷ 2 = 15

b. Yabela ngokulingana amaswidi hlangana nabentwana abathathu.



÷ =

c. Amaswidi ahlukaniselwe abentwana aba-5

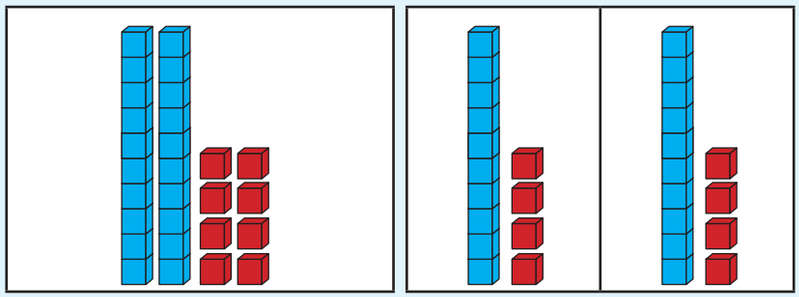


÷ =

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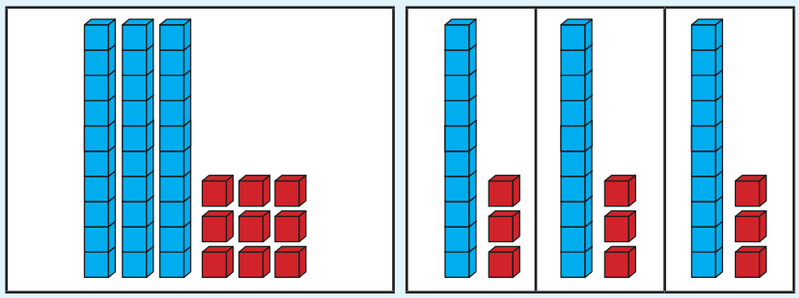
Singasebenzisa iinomboro zamabhlogo ukwabelana.



2 8 ÷ 2 = 1 4

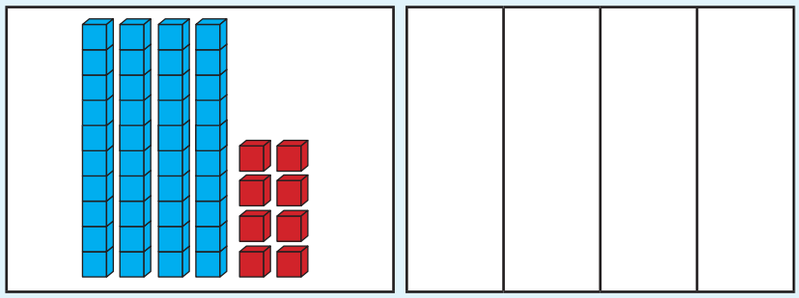
Kwanje yenza lokhu.

a.



[ ] [ ] ÷ 3 = [ ] [ ]

b.



[ ] [ ] ÷ 4 = [ ] [ ]

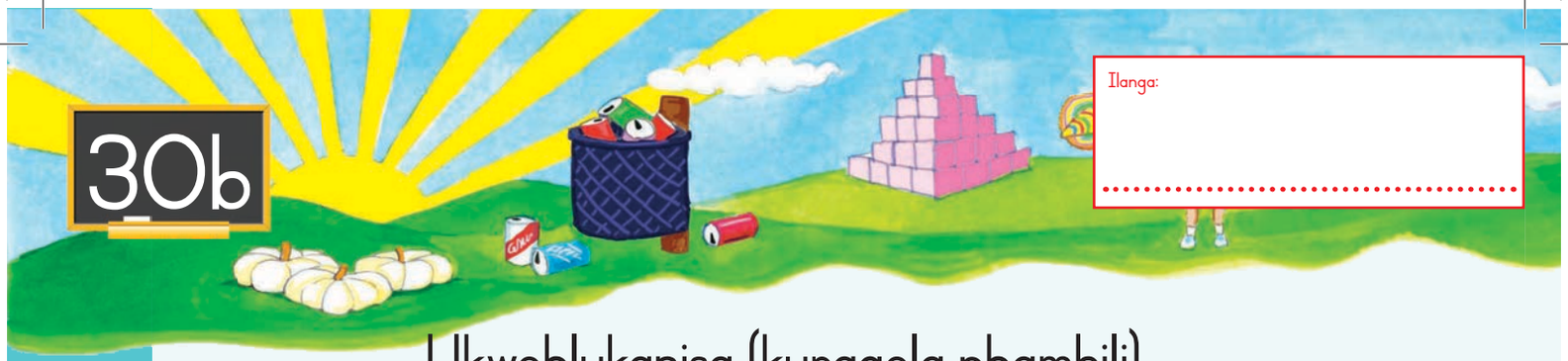
Teacher:

Sign:

Date:

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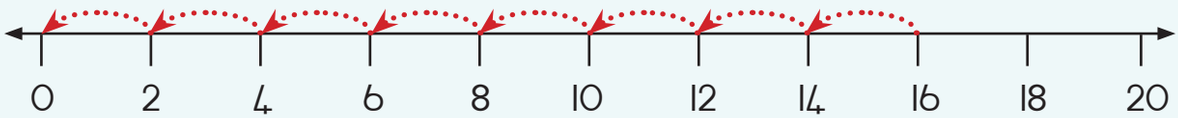
30b

Ilanga:

Ukwehlukanisa (kuragela phambili)



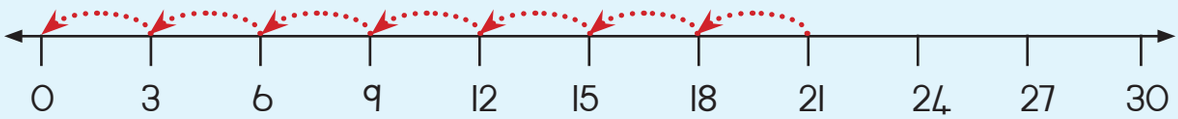
Sebenzisa amanambalayini ukutlola umutjho weenomboro okhuphako nanyana ohlukanisako. Isibonelo:



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

$16 \div 2 = 8$

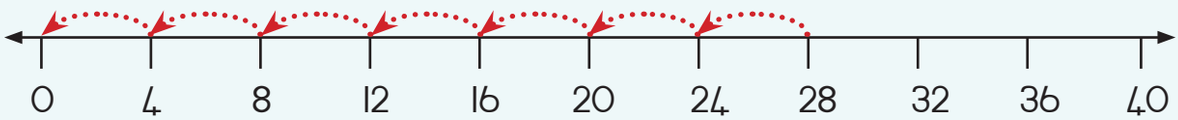
a.



21 – _____ = _____

☐ ÷ ☐ =

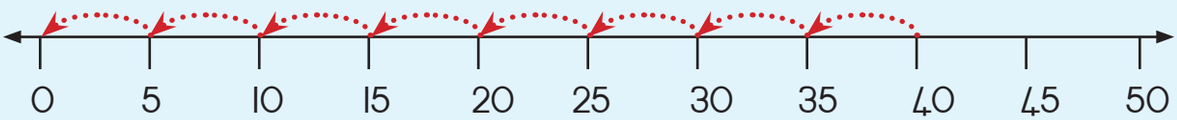
b.



28 – _____ = _____

☐ ÷ ☐ =

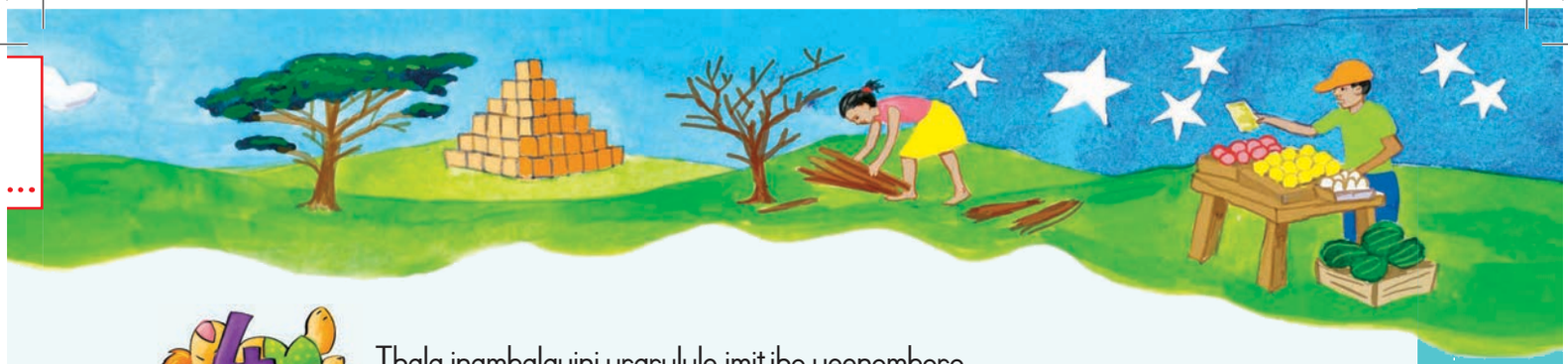
c.



___ – _____ = _____

☐ ÷ ☐ =

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Thala inambalayini urarulule imitjho yeenomboro.

a. 30 ÷ 5 =

b. 22 ÷ 2 =

c. 27 ÷ 3 =

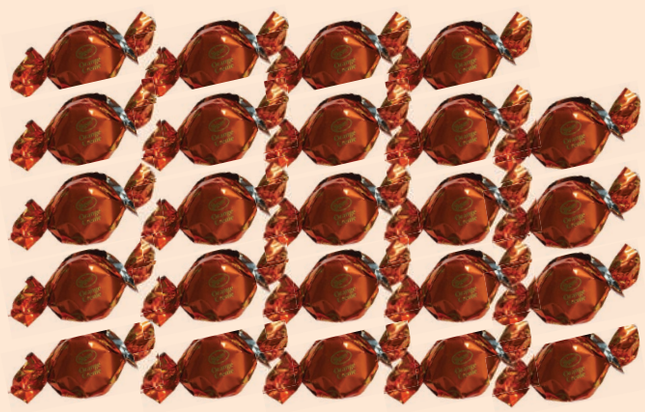
d. 32 ÷ 4 =

e. 25 ÷ 5 =

Iselele

Tjengisa iindlela ongazilandela ukwabela iinqhema zabentwana amaswidi ama-24 ngokulingana.

Tlola umutjho weenomboro ukutjengisa ipendulo yakho.



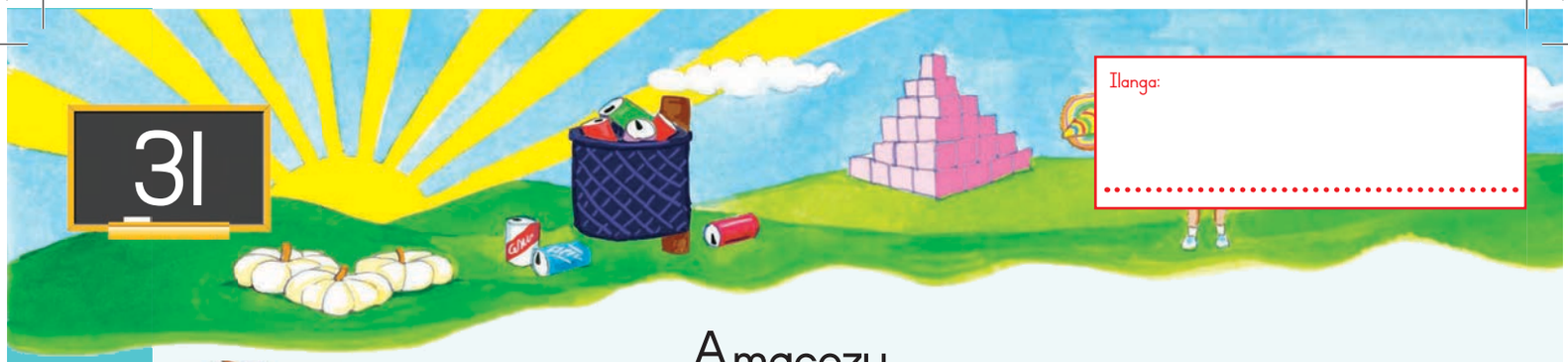
Teacher:

Sign:

Date:

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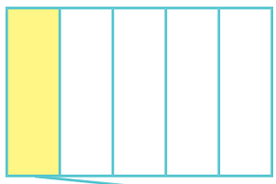
Ilanga:

Ithemu I

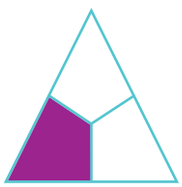
Amacezu



Thala umuda umadanise ibumbeko necezu elifaneleko.



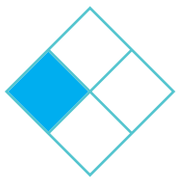
$\frac{1}{3}$ ingcenye yakuthathu



$\frac{1}{5}$ ingcenye yakuhlanu



$\frac{1}{4}$ ingcenye yekotara



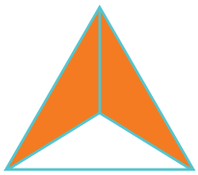
$\frac{1}{2}$ ingcenye yehafu



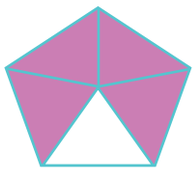
iingcenye ezintathu zamakotara $\frac{3}{4}$



iingcenye ezine zakuhlanu $\frac{4}{5}$

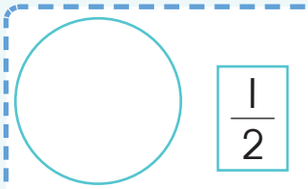


Okukodwa okuzeleko 1



iingcenye eziimbili zakuthathu $\frac{2}{3}$

Hlukanisa bese uyakhalara:



$\frac{1}{2}$ ingcenye yehafu



$\frac{1}{3}$ ingcenye yakuthathu



$\frac{1}{4}$ ingcenye yekotara



$\frac{1}{5}$ ingcenye yakuhlanu

Tjengisa icezu ngokuthala umuda osuka enomborweni enembako yamasbidi.



$\frac{1}{2}$ ingcenye yehafu



$\frac{1}{3}$ ingcenye yakuthathu



$\frac{1}{4}$ ingcenye yekotara



$\frac{1}{5}$ ingcenye yakuhlanu

1 2 3 4 5 6 7 8 9 10

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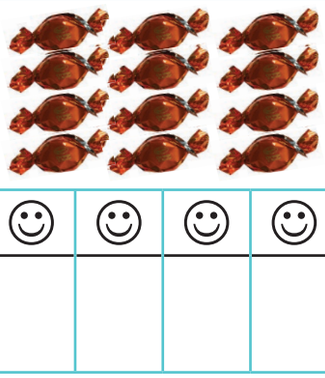


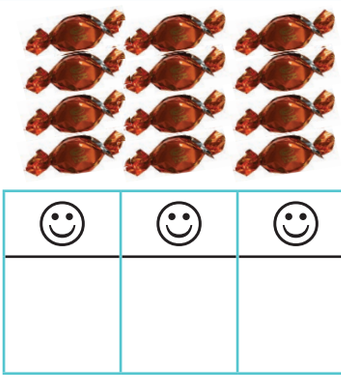
Yabela abentwana ababili iimbalisi.

• Omunye nomunye ufunyene iimbalisi ezi- 2 • Ihafu yeembalisi ezi- 4ngu 2.	• Omunye nomunye ufunyene iimbalisi ezi- ___ • ___ yaka___ngu ___.	• Omunye nomunye ufunyene iimbalisi ezi- ___ • ___ yaka___ngu ___.	• Omunye nomunye ufunyene iimbalisi ezi- ___ • ___ yaka___ngu ___.
4 ÷ 2 = 2	___ ÷ ___ = ___	___ ÷ ___ = ___	___ ÷ ___ = ___



Yabela abentwana amaswidi ngokulingana.





- ikotara amaswidi = 3
- amakotara amabili amaswidi = ___
- amakotara amathathu amaswidi = ___
- amakotara amane amaswidi = ___

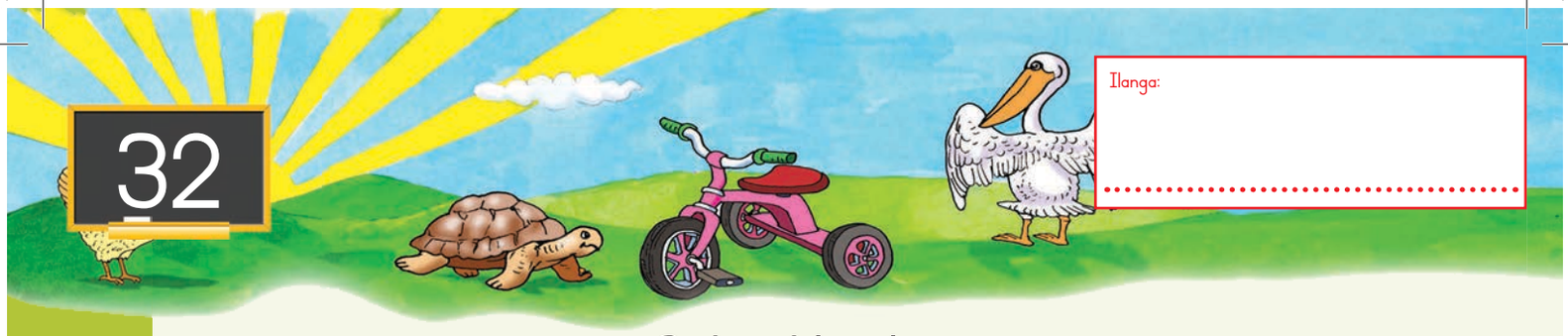
- isiquntu esisodwa sesithathu amaswidi = ___
- iinquntu ezimbili zesithathu amaswidi = ___
- iinquntu ezintathu zesithathu amaswidi = ___



Teacher:
Sign:
Date:

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32

Ilanga:

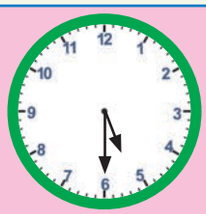
Ithemu I

Sekusikhathi

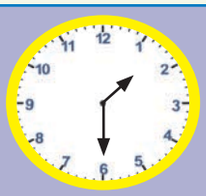
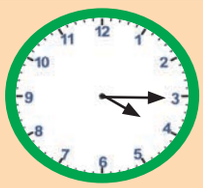


Ukuya ngesidleni

Singatlola isikhathi esifanako ngeendlela ezihlukileko.

		
2:15 likotara ngemva kwelesibili	5:30 siquntu ngemva kwelesihlanu	9:45 likotara ngaphambi kweletjhumi

Tlola lokhu ngeendlela ezimbili ezihlukileko.

		
_____ _____	_____ _____	_____ _____

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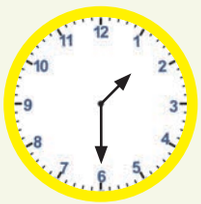


Ukuya ekhaya

UBen uthatha isikhathi esingangani ukufika ekhaya?

imizuzu

ama-iri



UBen usuka esikolweni.



UBen ufika ekhaya.

Isikhathi siyagijima

Isikhathi ngaku-2 ...



Mingaki ...

imizuzu ema-irini ama-2? _____

ama-iri ngamalanga ama-2? _____

amalanga ngeemveke ezi-2? _____

iinyanga ngeminyaka emi-2? _____

Malanga amangaki?

UMrhayili 27 liLanga leKululeko.

UMgwengweni 16 liLanga leLutjha.

USihlabantangana

Mvl	Lsb	Lst	Lsn	Lsh	Mgq	Snd
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					

UmMrhayili

Mvl	Lsb	Lst	Lsn	Lsh	Mgq	Snd
		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		

UMgwengweni

Mvl	Lsb	Lst	Lsn	Lsh	Mgq	Snd
					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

a. Ukusukela ngelanga lekululeko ukufika ngelanga labatjha kuna_____weenyanga zoke, _____wamaveke woke na._____wamalanga.

b. Zingaki iimveke zoke kikho koke? _____Mangaki amalanga aseleko? ___.
Mangaki amalanga kikho koke? ___.

c. Ilanga lamabeletho wakaLebo limalanga ali-7 ngaphambi kweLanga leKululeko.
Ilanga lamabeletho wakaMusa limalanga amabili ngemva kwelanga leLutjha.

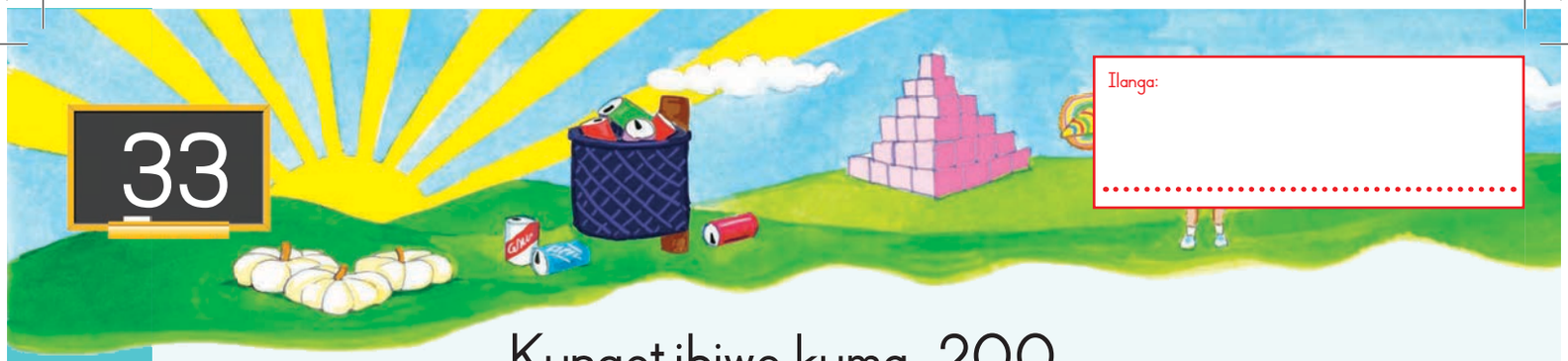
Ngubani omdala? _____ Ngamalanga amangaki? ____

Tjhega. Madanisa. Lungisa.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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33

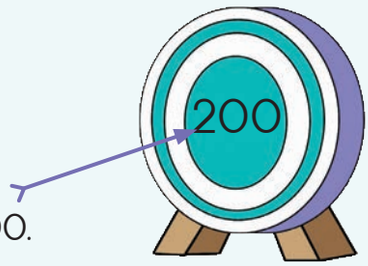
Ilanga:

Ithemu 2

Kunqotjhiwe kuma-200



Balani iinomboro



Balani benitjho zoke iinomboro kusukela e-101 ukuya ema-200.
Khombani nanilokhu nibala.



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



Tlolani iinomboro

a. Tlolani inomboro etlhayelako esikwereni ngasinye esihlaza kwesibhakabhaka.

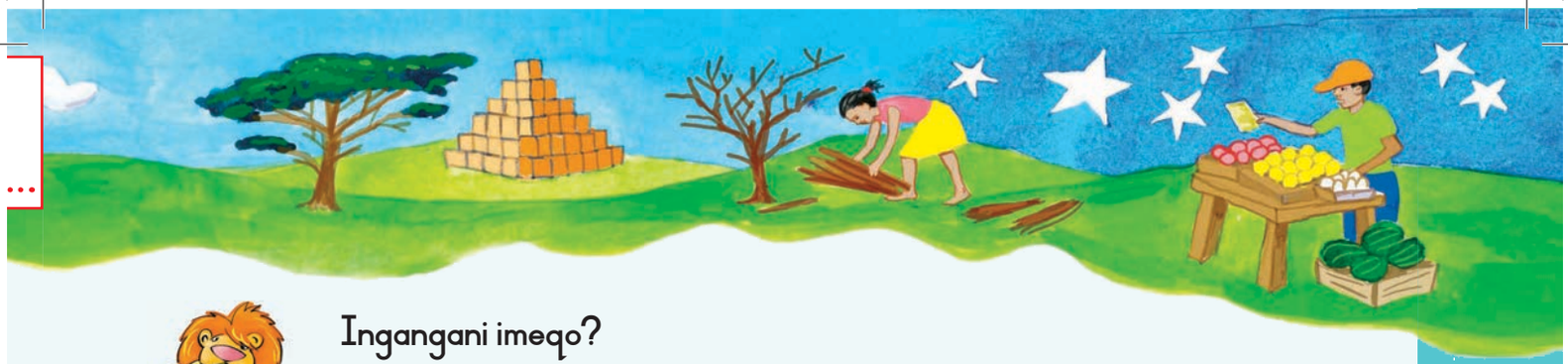
b. Tlolani zoke ezinye iinomboro.

c. Tlolani iinomboro ezili-10 ezilandelako ngemva kwama-200.

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



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Ingangani imeqo?

a.

200		180			
					110
50					
				0	

b.

87		107	
167			
		207	
			237

Qedelela

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

Hlela iinomboro zilandelane kusuka kencani kuye kekulu.

_____

_____

_____

_____

_____

Balani kusukela e-100

Zalisa amabhoksi anganalitho ngokubala kobana ngikuphi okutlhogako ukufika enomborweni elandelako.

Thomani: 100 → +25 → 125 → ____ → 129 → ____ → 138 → ____ → 145 ← ____ ← 151 ← ____ ← 157 ← ____ ← 168 :Qedani

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34

Ilanga:

Ukusebenza ngamabuthelelo weenomboro



Ukupaka amakerese

UNaNkosi usebenza efemini yamakerese.
Lokha amakerese nasele alungile, uwapaka ngendlela le elandelako ngamathreyi eenrageni.



Kunamakerese amangaki ethreyini ngayinye? _____

Kunamathreyi amangaki erageni ngayinye? _____

Kunama-keresi amangaki erageni ngayinye? _____

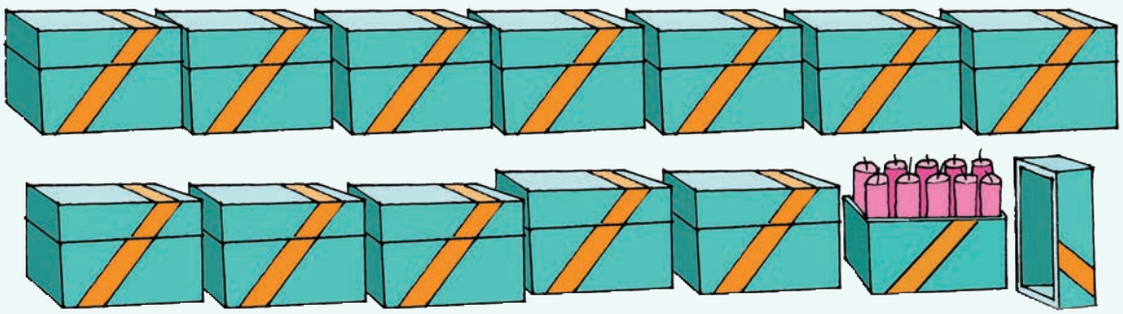
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Amabhoksi wamakerese

Okulandelako uNaNkosi uvala amabhoksi.



a. Bala amabhoksi.

Mangaki? _____
Amakerese mangaki selawoke? _____
Kufanele kwenziwe mangaki amanye amabhoksi ukwenza ama-200 wamakerese? _____

b. Mangaki amabhoksi we-:

amabhoksi ama-2, ____	amabhoksi ama-4, ____
amabhoksi ama-5, ____	amabhoksi ama-3, ____
amabhoksi ama-6, ____	amabhoksi ama-7, ____

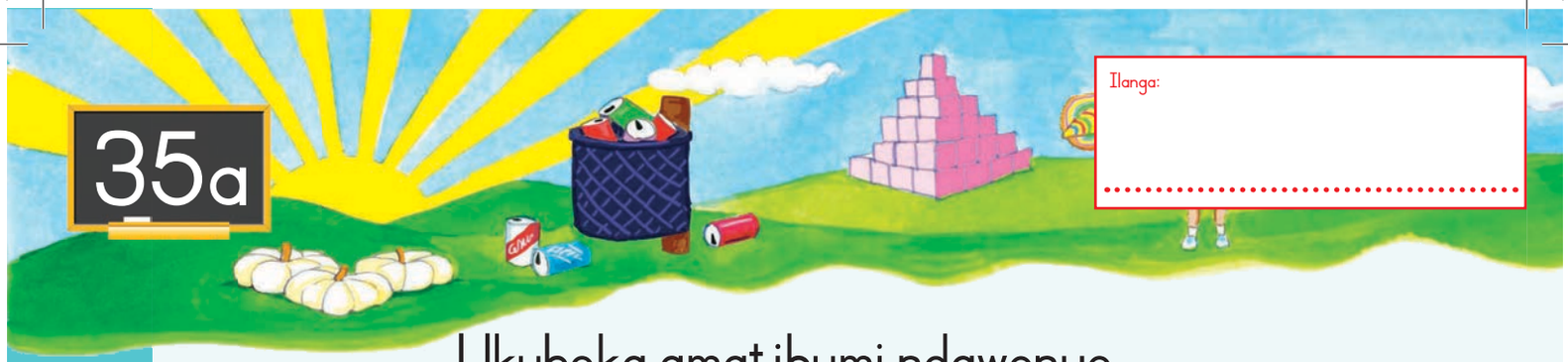
c. Mangaki amabhoksi awadingako we:

40 _____ amabhoksi	70 _____ amabhoksi
50 _____ amabhoksi	30 _____ amabhoksi

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35a

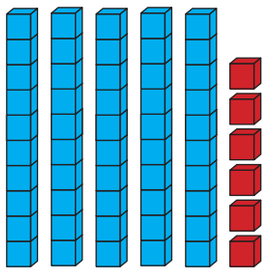
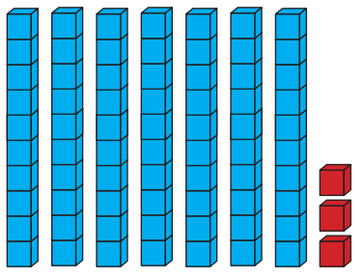
Ilanga:

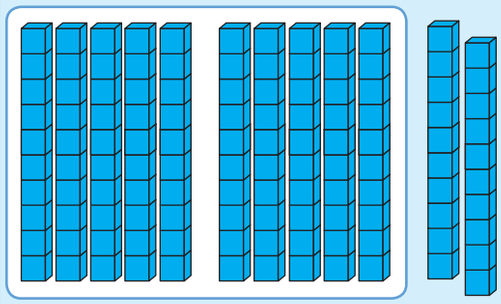
Ithemu 2

Ukubeka amatjhumi ndawonye nokuwahlukanisa



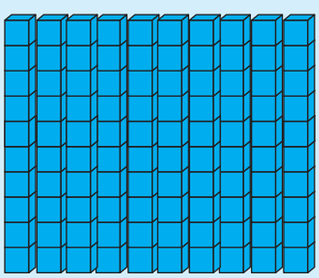
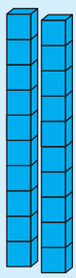
Ukubeka amatjhumi ndawonye lokha nasihlanganisako.

Asihlanganiseni 56 + 73 =		+	
	amatjhumi ama-5 namayunidi ama-6		amatjhumi ali-7 namayunidi ama-3

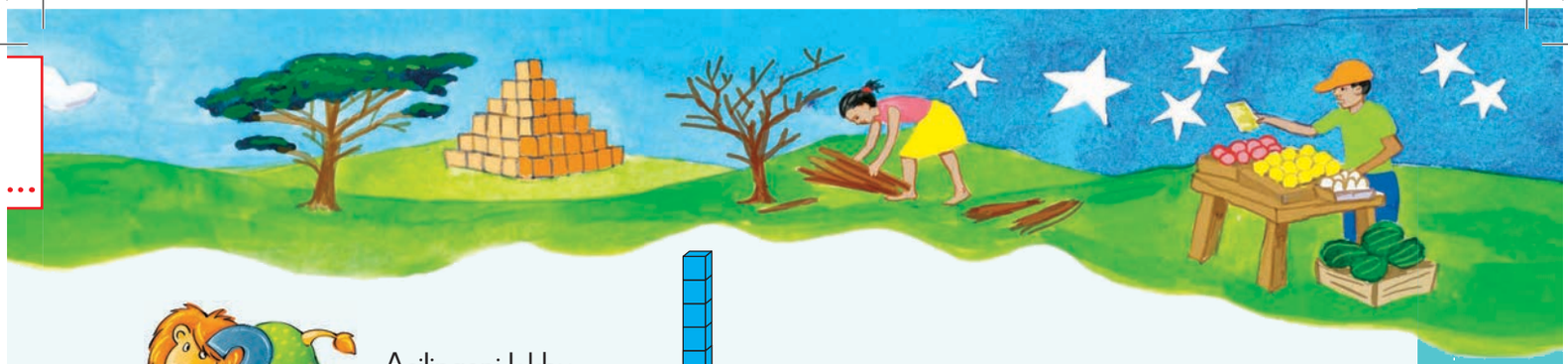
100s	10s	1s
		

Nasele kukoke sinamatjhumi ali-12.

Singabeka amatjhumi ama-10 ndawonye ukwenza ikhulu li-1.

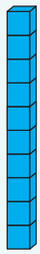
		

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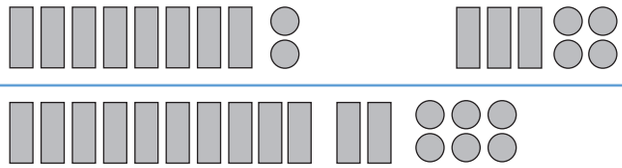


Asilingeni lokhu.



= ne =

Isibonelo: 82 + 34



100 + 20 + 6 = 126

b. 65 + 52

c. 76 + 63

d. 86 + 65

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35b

Ilanga:

.....

Ukubeka amatjuhumi ndawonye nokuwahlukanisa (kuragela phambili)



Sebenzisa amabhlogo wobukhulu beenomboro.

Sebenzisa amabhlogo wobukhulu beenomboro ukwenza iinomboro ezimbilezi.	Koke ndawonye mangaki amatjhumi? bangaki abowani?	Ingabe uhlele amatjhumi namkha abowani? Tjhega ubukhulu beenomboro lapho uhlela kabutjha.	Tlola inomboro.
23 + 99 =	____ amatjhumi _____ abowani	abawani aba-11 + amayunidi ali-12 = 110 + 12	122
38 + 25 =	____ amatjhumi _____ abowani		
77 + 31 =	____ amatjhumi _____ abowani		
68 + 45 =	____ amatjhumi _____ abowani		
83 + 47 =	____ amatjhumi _____ abowani		



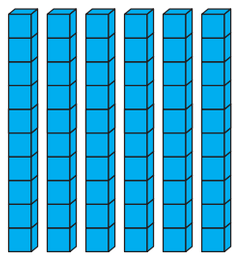
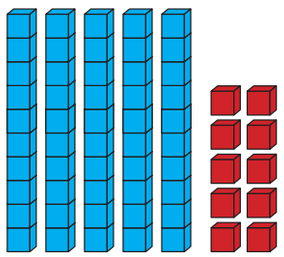
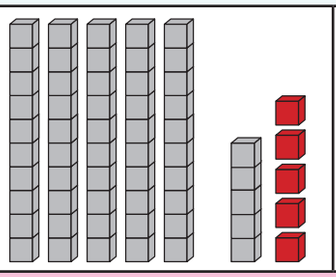
Asibekele amatjhumi ngeqadi lokha nasikhuphako

Lokha nasikhuphako, kesinye isikhathi sitlhoga kobana sitjengise itjhumi linye njengabowani abalitjhumi, namkha ikhulu njenge-10 elimatjhumi.

Asikhuphe kuma: 60 – 55 =

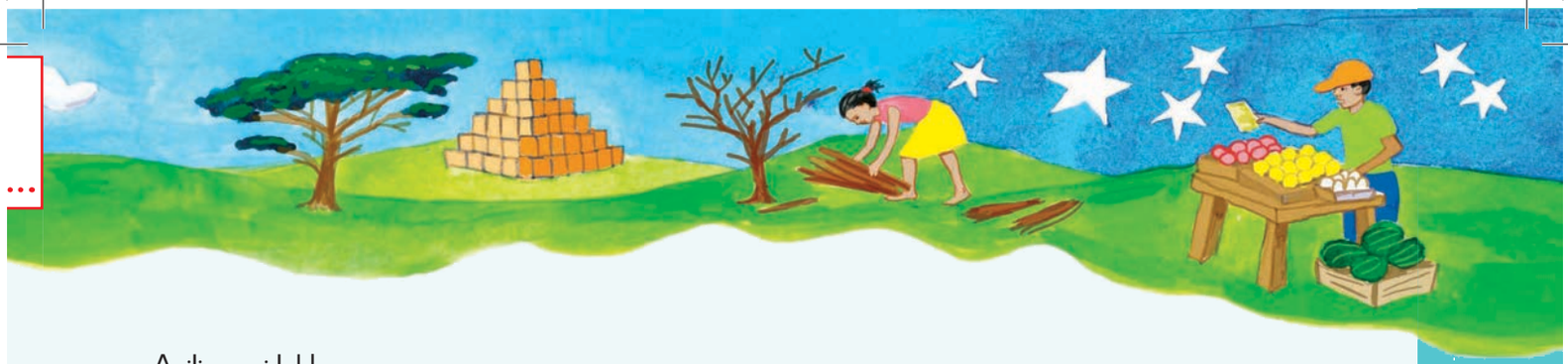
Sithoma ematjhumini amathandathu begodu hayi abowani. Sifuna ukukhupha amatjhumi amahlanu nabowani abahlanu

(abowani esibasusako sibafake umbala omlotha.)

		
Singatjengisa amatjhumi amathandathu nje.	Namkha njengamatjhumi amahlanu nabowani abalitjhumi.	Susa amatjhumi amahlanu nabowani abahlanu. Abowani abahlanu basele.
		60 – 55 = 5



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Asilingeni lokhu.

a. 70 – 28

			
7 amatjhumi	6 amatjhumi ne-10 labowani	70 – 28 =	

b. 90 – 46

c. 80 – 53



Fumana ipara yeenomboro

a.

200	
30	

b.

200	
70	

c.

200	
	105

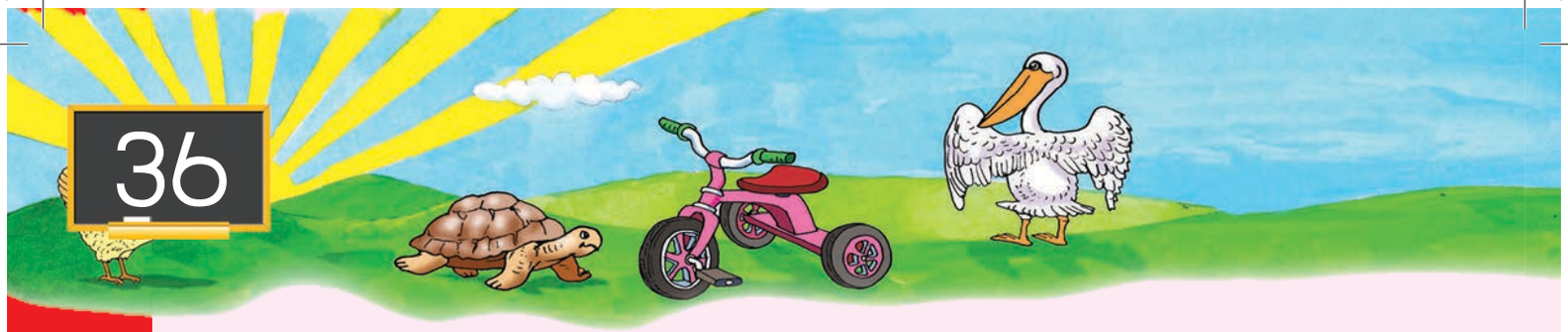
d.

200	
85	

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36

Ukuvakatjhela udorhodere wamazinyo



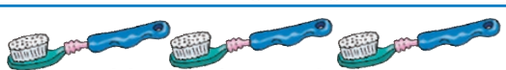
Isiqhema sabentwana sivakatjhela udorhodere wamazinyo.



Lokhu ngilokho abentwana abamtjela khona  = ka-1

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

a. Bala amathiki atjengisa kobana abentwana bahlamba amazinyo wabo kangaki. Tlola iinomboro (✓).

 Kanye ngelanga	
 Kabili ngelanga	
 Kathathu ngelanga	

b. Ubona ini phezulu kwetafula?

Inengi labentwana lihlamba amazinyo wabo _____ ngelanga.
Kunabentwana aba _____ esiqhemeni.



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Gwala/Dweba igrafu yeenthombe ezitjengisa kobana abentwana bawahlamba kangaki amazinyo wabo ngelanga.

 1 = kanye



Yenza iphenyo ngetlasini lakho. Buza abentwana abahlangana ne-15 – 20.

a. Bawahlamba kangaki amazinyo ngelanga? _____

b. Gwala igrafu yeenthombe efana nale engehla ukuze utjengise okufunyeneko.

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37a

Ilanga:

Hlanganisa

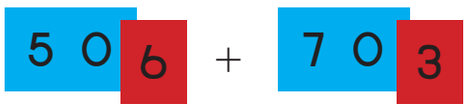


Tlola inani lakho



UBusi angahlanganisa ngamayunidi-1 begodu nangamatjhumi begodu ahlele kabutjha.
Angahlanganisa begodu akhuphe ephepheni, elinganabhlogo.
Kesinye isikhathi uthanda ukuthoma ngamakarada weenomboro zakhe ukutjengisa iinomboro.

Ngalokho enanini lama-56 + 73, ufumana amakarada lawa:

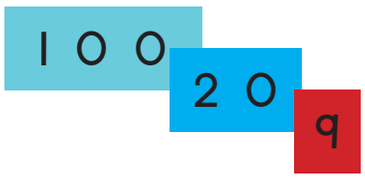


Uhlanganisa ngaku-1 bese ubeka phasi amakarada ali-9.



Uyazi: 50 + 70 = 120.

Uthatha amakhulu, namatjhumi begodu nekarada lamayunidi



ukwenza inomboro enamadijidi ama-3.

Uyitlola ngendlela le:
50 + 70 + 6 + 3
= 50 + 70 + 9
= 120 + 9
= 100 + 20 + 9
= 129



UTumi uyazi kobana amabhlogo asebenza njani.
Wenza ama-56 + 73 ngendlela le:

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



U-Aakar uthanda ukwenza lokhu: Ngithanda ukwenza okupheleleko. Le ngiyenza ngendlela le:

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

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Kwanje akhe ulinge lokhu ngokwakho. Yenza kunye ngendlela ezimbili ezihlukeneko.

a. 86 + 62



Indlela yakaBusi.

80 + 60 + 6 + 2



Indlela yaka-Dumi

80 + 6 + 60 + 2

b. 72 + 63

c. 81 + 57

d. 69 + 71

Sebenzisa iindlela ka-Aakar ukwenza lokhu.

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37b

Ilanga:

Hlanganisa (kuragela phambili)



Kwanje asikhuphe.

a. 87 – 53



Indlela yakaBusi.

80 – 50 + 7 – 3

= 30 + 4

= 34



Indlela yaka-Tumi

80 + 7 – 50 + 3

= 30 + 4

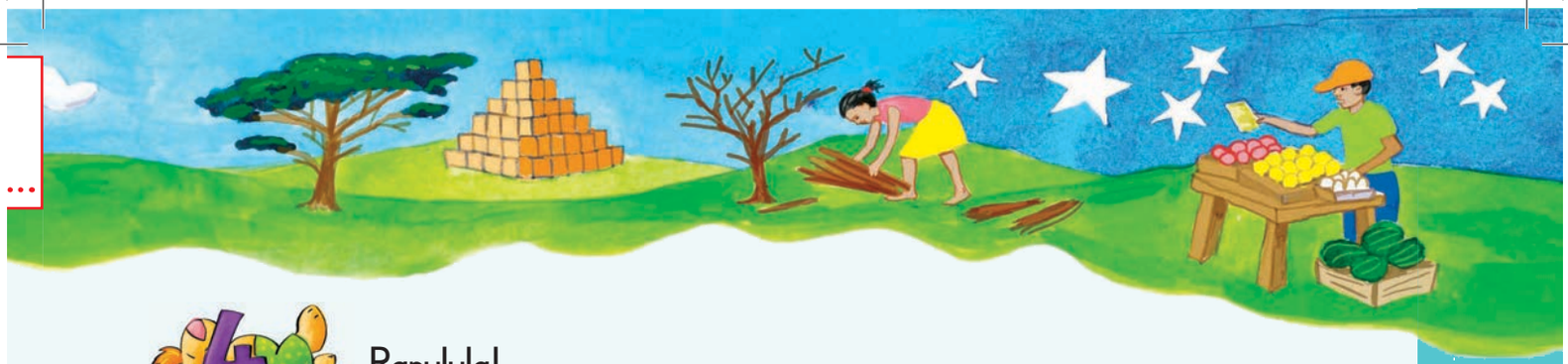
= 34

b. 95 – 73

c. 86 – 62

d. 85 – 69

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Rarulula!

Kuneendlela ezinengi zokuhlanganisa ngamayunidi nangamatjhumi ndawonye. Khetha indlela oyaziko begodu noyithanda khulu ukurarulula imiraro le. Tjengisa umsebenzakho.

a. UPeter uthoma ngokudobha iimperegisi ezima-34 begodu neemperegisi ezima-67. Zingaki iimperegisi nasele zizoke?



b. Abentwana bakaMalusi babulunga ama-R47 nasele awoke. Unina ubanikela ngaphezulu amaranda ama-R58. Sebanamalini kwanjesi?



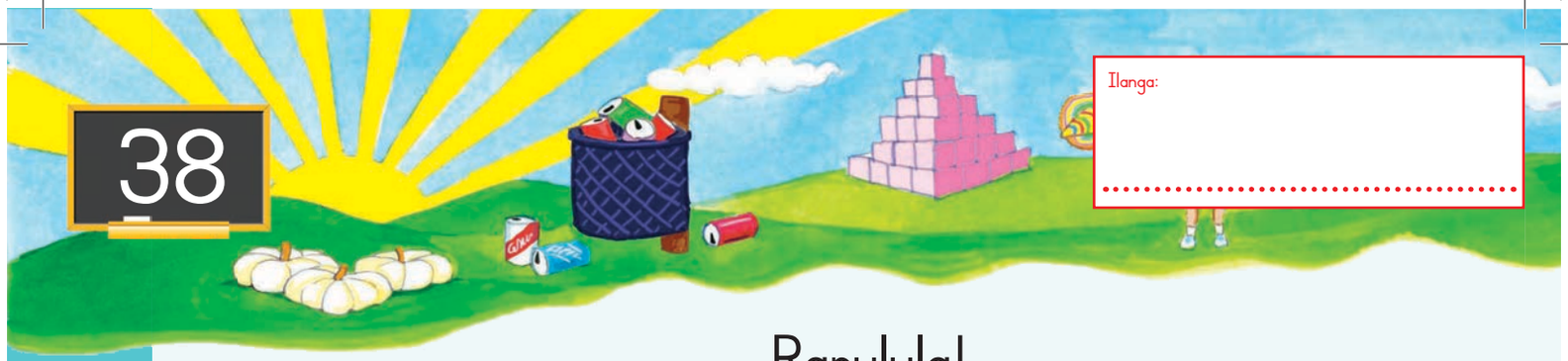
c. Ibhesi yesikolo ikhamba 88 km ekuseni begodu 73 km ngemva kwedina. Mangaki ama-km nasele awoke?



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Ilanga:

Rarulula!



Iimvalo zamabhodlelo

Sebenzisa enye nenye indlela oyithandako.
Tjengisa umsebenzakho.



USipho





U-Andile

USipho ubala iimvalo zamabhodlelo ezima-87. U-Andile ubala ezima-38.
USipho ubale iimvalo ezingaki ngehla kwakaSandile?



Ikhonsadi yesikolo



UMusa



UMusa uthengise amathikithi. Unamathikithi ama-92 athoma ngawo. Usele nama-67.
Bekube njenganje uMusa sele athengise amathikithi amangaki?

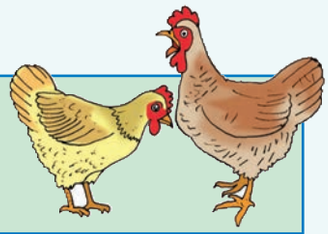
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Ukuzijayeza





Kunamadzinyani ama-69 ngepanini yinye begodu ama-95 angakenye. Kuneenkukhu ezingaki lapho nasele zizoke?
Funda kobana uGugu noAakar bawusombulula njani umraro.

Indlela kaGugu

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



Indlela kaAakar

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



a. Abesana babuthelela ama-R96 ukulungiselela ikhambo letlasi. Abentazana babuthelela ama-R79. Ingabe babuthelele malini nasele iyoke?

Sebenzisa indlela kaGugu	Sebenzisa indlela kaAakar

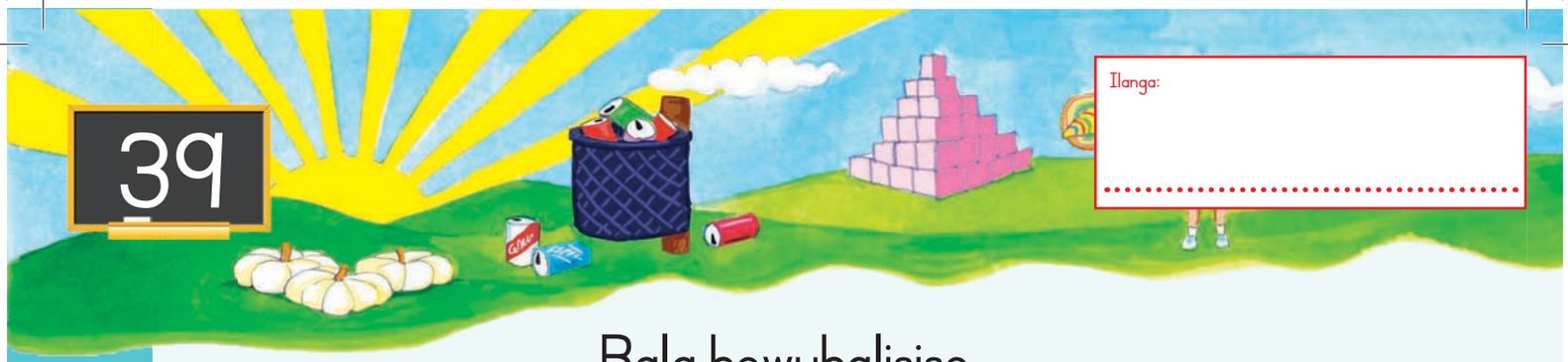
b. Isikolo sinye sibuthelela amabhlegana ama-76 kg. Esinye isikolo sibuthelela amabhlegana ama-68 kg. Ma-kg amangaki wamabhlegana abuthelelwe ziinkolo ezimbili nasele awoke?

Sebenzisa indlela kaGugu	Sebenzisa indlela ka-Aakar

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39

Ilanga:

Ithemu 2

Bala bewubalisise



Fumana ingcenye

Tlola iinomboro ezitlhayelako.

a.

100	
	27

b.

100	
39	

c.

100	
43	

d.

100	
56	

e.

200	
140	

f.

200	
	110

g.

200	
135	

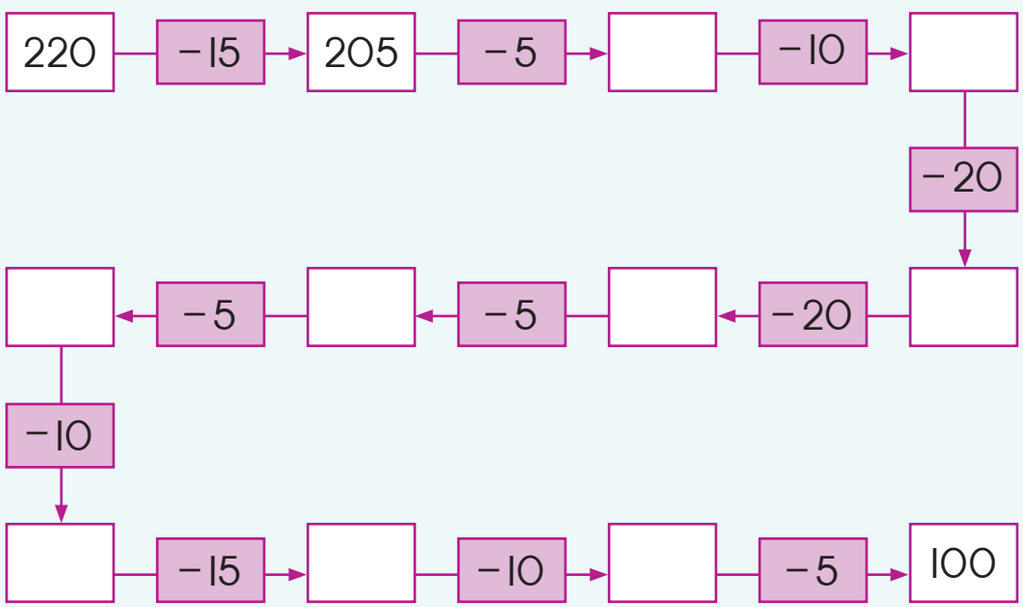
h.

200	
	120



Ukukhupha sinyovana kusukela ema-220 ukuya e-100.

Ukhupha inomboro engebhoksini elipinki.
Yokuthoma selewenzelwe yona.



Nasi indlela yokutjhega iimpendulo zakho! Thoma e-100!

Sebenzela emva ukuya ema-220.

Kodwana kwanjesi, hlanganisa iinomboro.



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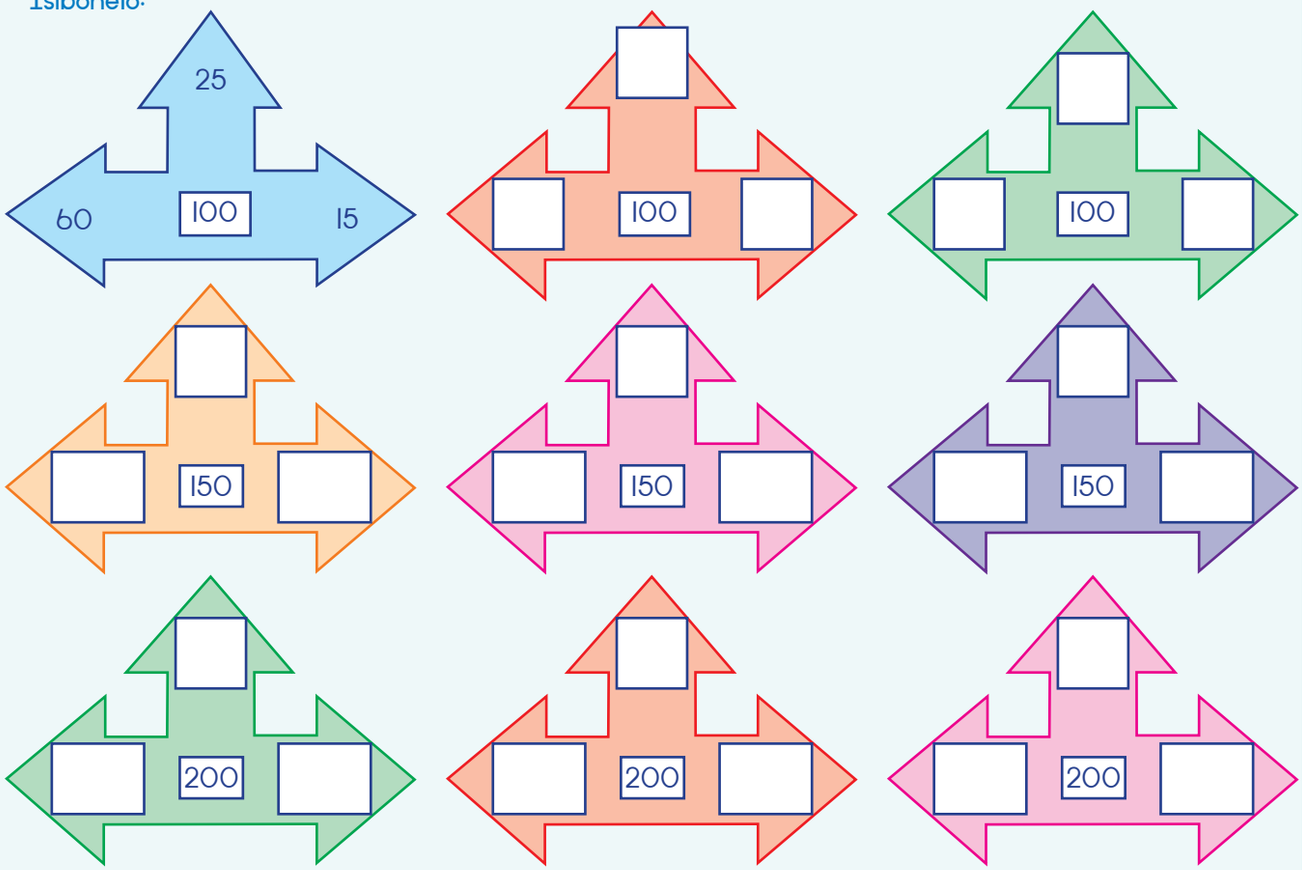




Imindeni yangabathathu

Fumana iinomboro ezi-3 ezihlanganisa inomboro enqophiweko. Kodwana kufanele ulandele umthetho othi yinomboro yinye kwaphela engaphelela ngo-0.

Isibonelo:





Amatjhumi ama-50 ngaphezulu namatjhumi ama-50 ngaphasi.

Tlola iimpendulo emideni wesi-2.

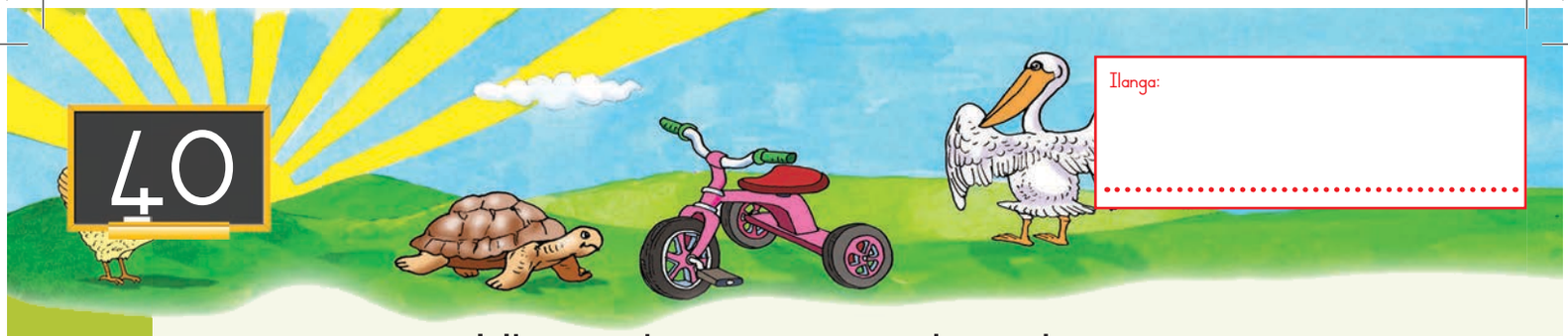
+50	70	125	150	81	96	122	134	111	70
	120								
−50	186	200	158	179	139	79	126	138	99
	136								



Teacher:
Sign:
Date:

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Ilanga:

Ithemu 2

Ukumeda ngamasenthimitha



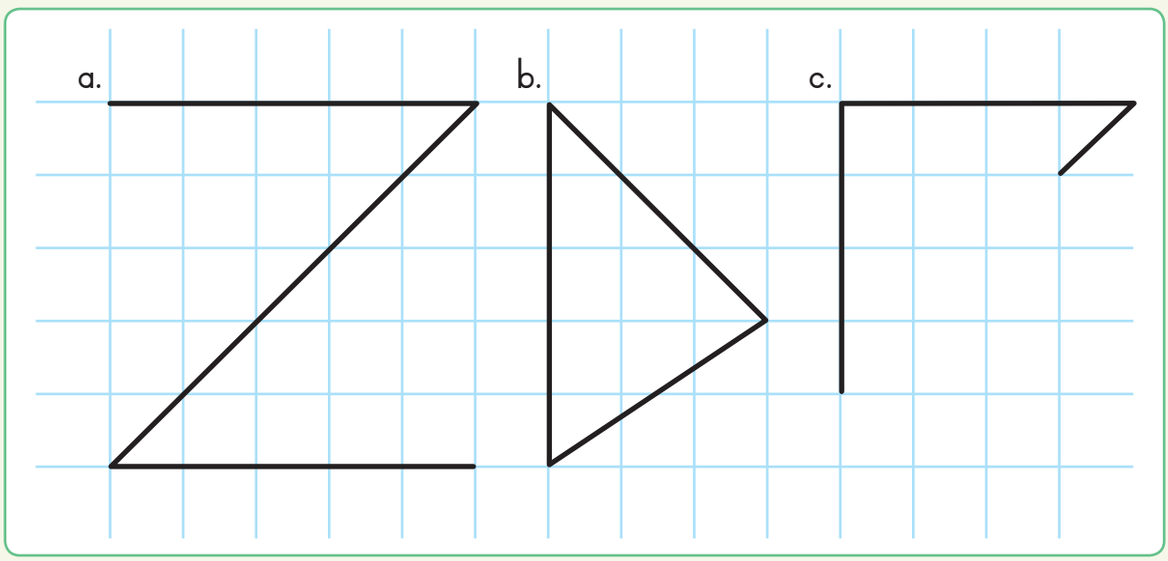
Isentimitha lingangani?



Iinomboro eruleni zijamele amasenthimitha.
Sisebenzisa isirhunyezo namkha itshwayo cm.
Lokha nawusebenzisa irula, kufanele uthome ukumeda kusukela ku-0.
Amanye amarula akatjengisi u-0 njengale esekhasineli.
Fumana uziro cm eruleni. Tlola u-0 eruleni.
Ikuphi i-10 cm eruleni le? Tlola i-10 lapha.



Linganisa, bese ulinganisa ngefanelo ngerula yakho, inani eliphelelelo lobude bemida leyo ngama-cm.



a. Linganisa ☐ ama-cm	b. Linganisa ☐ ama-cm	c. Linganisa ☐ ama-cm
Meda ☐ ama-cm	Meda ☐ ama-cm	Meda ☐ ama-cm



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Ingabe umuda ngamunye mude kangangani?

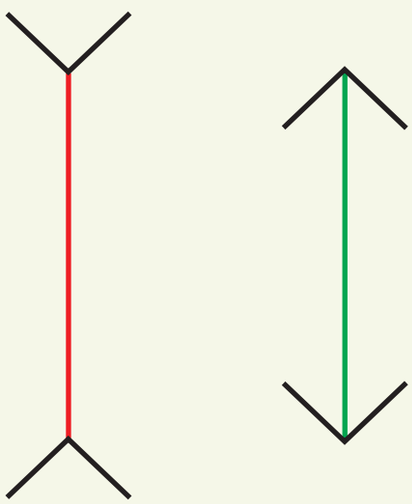
Umuda ngamunye unama-cm amangaki ubude?
Sebenzisa umunwakho ukusize ukuquta.

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

Uqinisekile?

Ngimuphi omudenyana, umthala obomvu namkha umthala ohlaza satjani?

Ungatjhega bunjani?



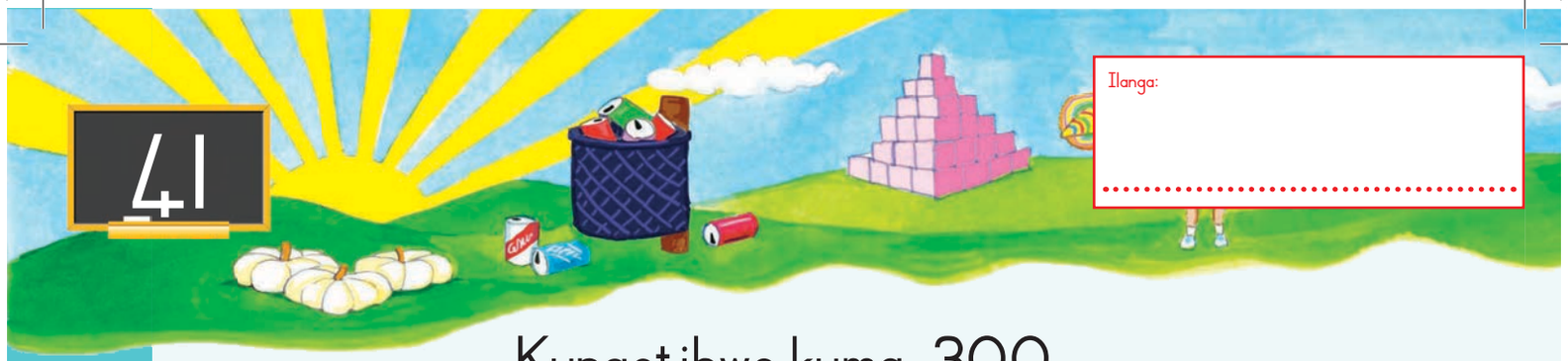


Lokhu ngilokho okubizwa ngokuthi kuphambanisa amehlo. Kwenzeka lokha amehlwakho abona kwangathi kunento kanti ayikho. Imida emibili le iyalingana. Imida enzima elulekela ngaphandle yenza kobana imida ebovu ibonakale kwanga mide kanti imida enzima engenela ngaphakathi yenza imida ehlazakotjani ibonakale kwangamide.

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Date:

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Ilanga:

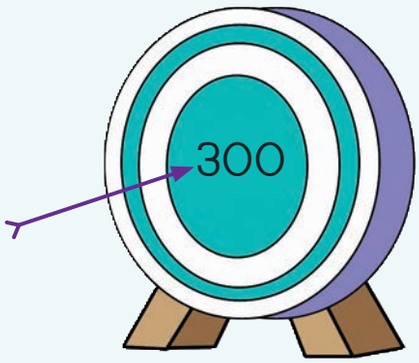
.....

Ithemu 2

Kunqotjhwe kuma-300



Bala bewutlole ama-200!



Bala kusukela ema-201 ukuya ema-300.

Khomba nawulokhu uragela phambili.

Zalisa iinomboro ezihlaza kwesibhakabhaka qange.

Tlola ebunengini beenomboro.

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

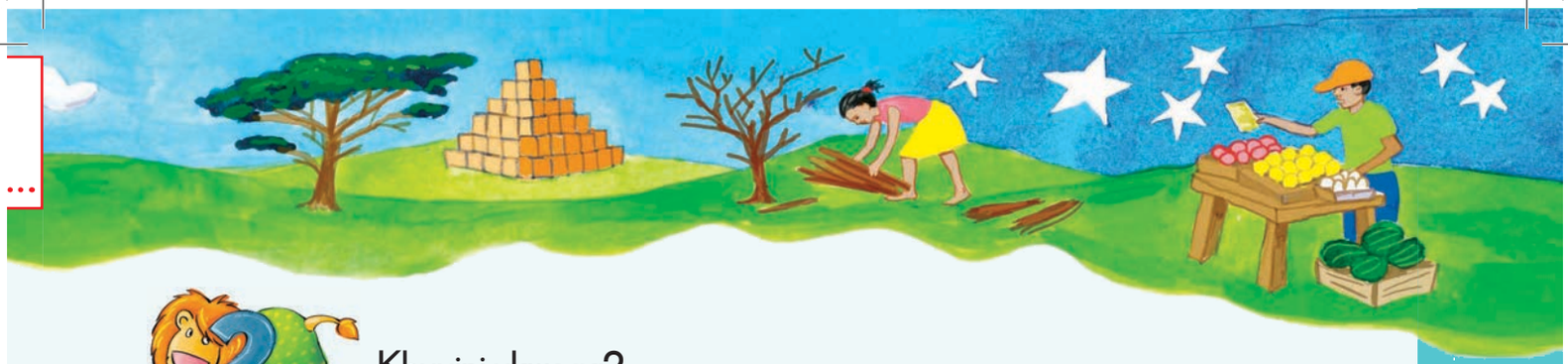


Tlola iinomboro ezili-10 ezilandela ngemva kwama-300.

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



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2 Khuyini ukweqa?

301		281					
		171					211
						101	

3 Tjhejisisa begodu umadanise

a. Tlola iinomboro ezingena ngekaradeni elinye nelinye.

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

200

90

8

b. Tlola iinomboro ngokulandelana kusukela kezincani ukuya kezikulu.

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

4 Ubuyelwa yimalini? Tlola iinomboro ezithlayelako.

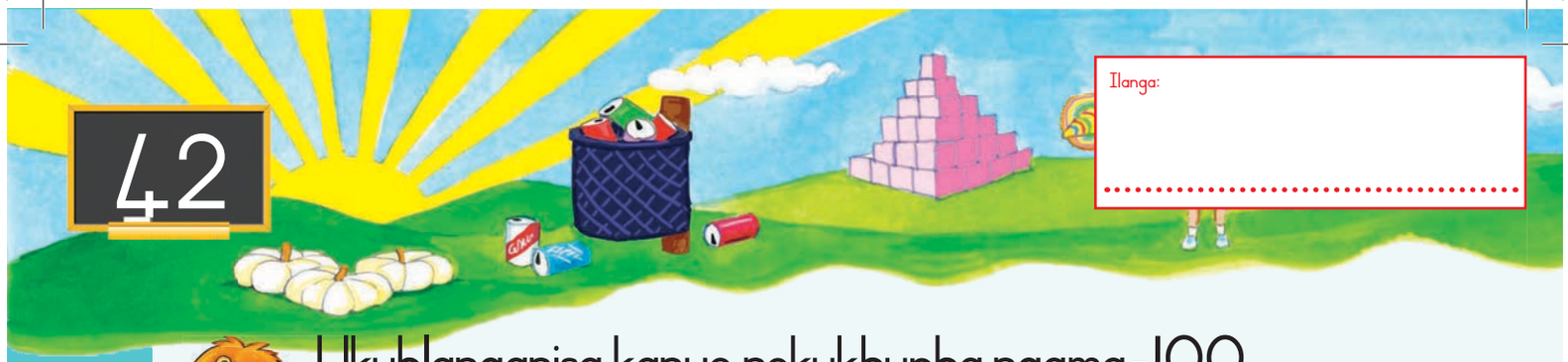
Thoma: 200 → +25 → 225 → ____ → 237 → ____ → 249 → ____ → 261

Phetha: 300 ← ____ ← 286 ← ____ ← 278 ← ____ ← 261

Teacher:
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Date:

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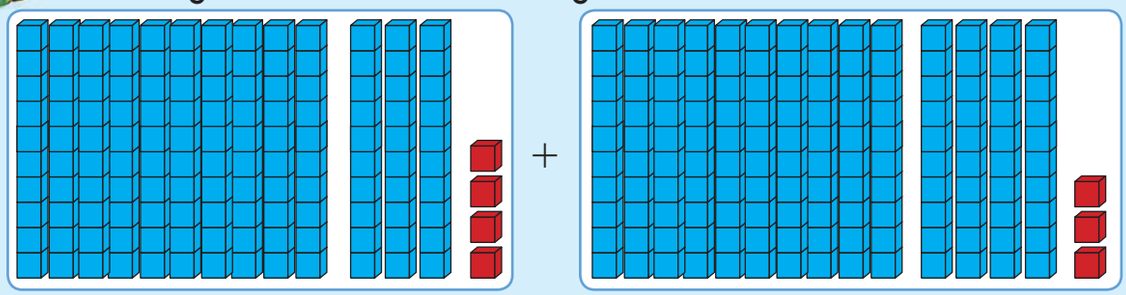
Ilanga:

Ithemu 2

Ukuhlanganisa kanye nokukhupha ngama-100



Ukuhlanganisa usebenzise amabhlogo.



100 30 4 + 100 40 3

= 200 70 7

= 277



Funyana iindlela ezimbili zokwenza lokhu. Tjengisa ipendulo enye nenye ngendlela ezimbili.

a. 132 + 123



Indlela yakaBusi

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

= 200 + 50 + 5

= 255



Indlela yaka-Tumi

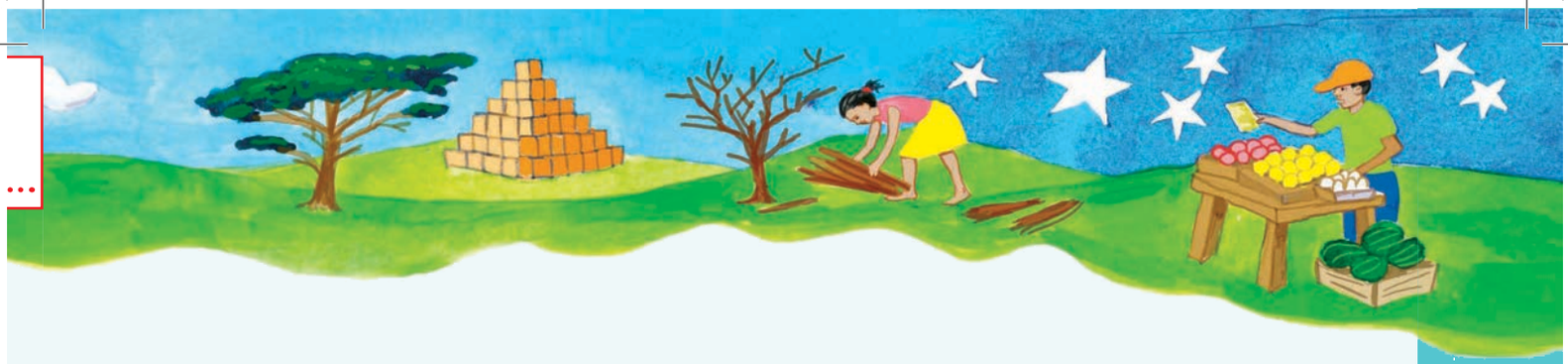
132 + 123

= 200 + 50 + 5

= 255

b. 114 + 162

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c. 276 + 148



Funda enye nenye indlela. Sebenza esinye nesinye isibalo ngeendlela ezimbili.

a. 158 – 146



Indlela yakaBusi

= 100 – 100 + 50 – 40 + 8 – 6

= 0 + 10 + 2

= 12



Indlela yakaTumi

158 – 146

= 0 + 10 + 2

= 12

b. 194 – 122

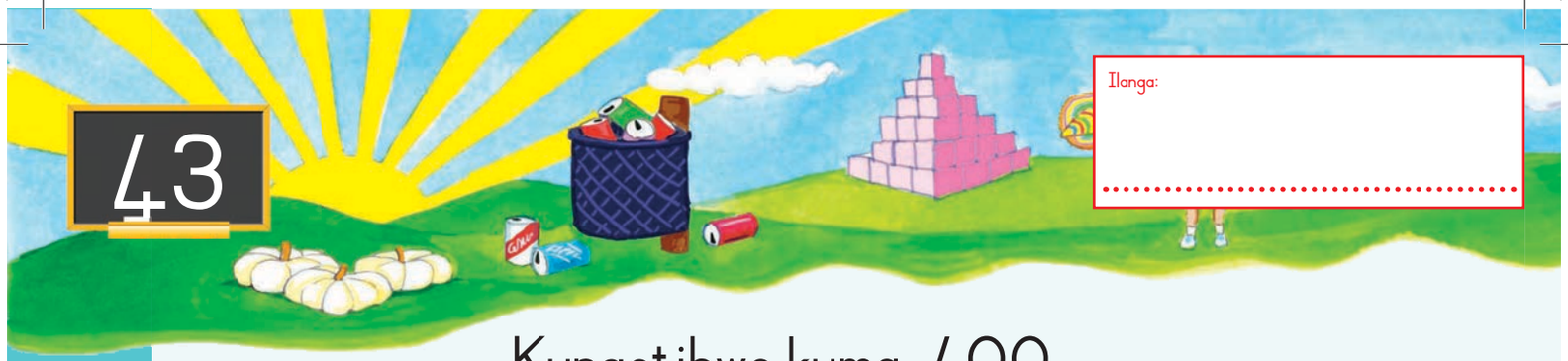
c. 288 – 199

Teacher:

Sign:

Date:

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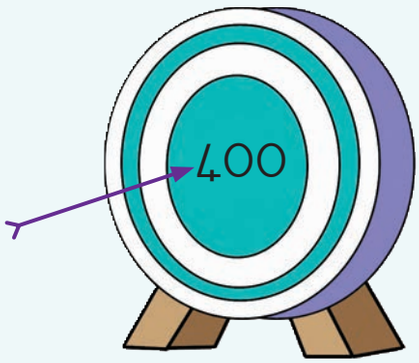
Ilanga:

Ithemu 2

Kunqotjhwe kuma-400



Ukubala kanye nokutlola ama-400



Ukubala kusuka kuma-300 bekufike kuma-400.

Phimisela/Yitjho iinomboro nawulokhu uya phambili ubala.

Tlola iinomboro ezitlhayelako kugridi.

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

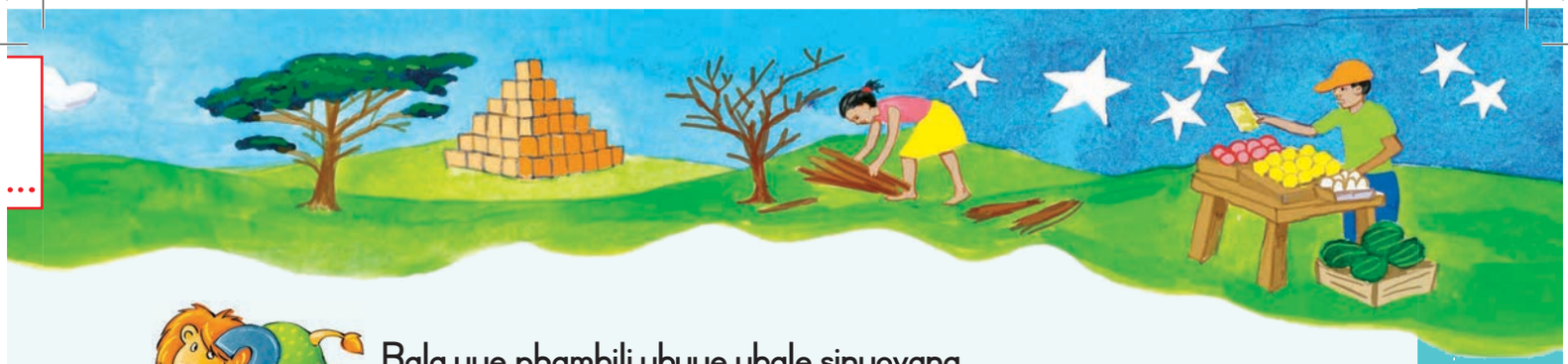


Tlola ezinye iinomboro ezili-9 eziza ngemuva kwama-400.

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



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2 Bala uye phambili ubuye ubale sinyovana.

a. Ukubala kusuka kuma-300 nokuya phambili

Thoma: 300 → +10 → ☐ → +10 → ☐ → +10 → ☐ → +10 → ☐

Phetha: ☐ ← +10 ← ☐ ← +10 ← ☐ ← +10 ← ☐ ← +10 ← ☐

b. Bala ukusuka kuma-400 ubuyele emuva ngama-10.

Thoma: 400 → −10 → ☐ → −10 → ☐ → −10 → ☐ → −10 → ☐

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

−10 ↓

☐ → −10 → ☐ → −10 → ☐ → −10 → ☐

Phetha

3 Tlola kube yinomboro eyodwa

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

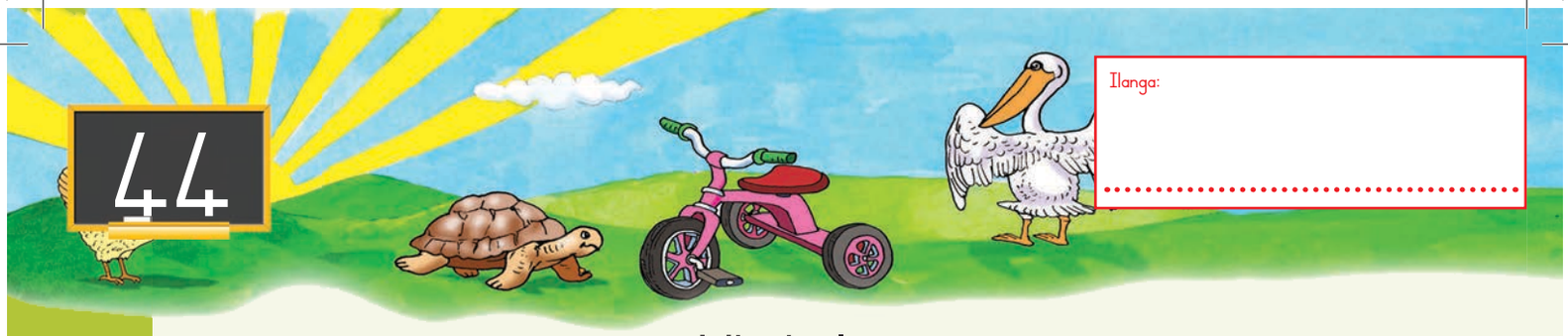
Tlola inomboro ngokulandelana kusuke kencani kuye kekulu khulu.

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

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Ilanga:

Ithemu 2

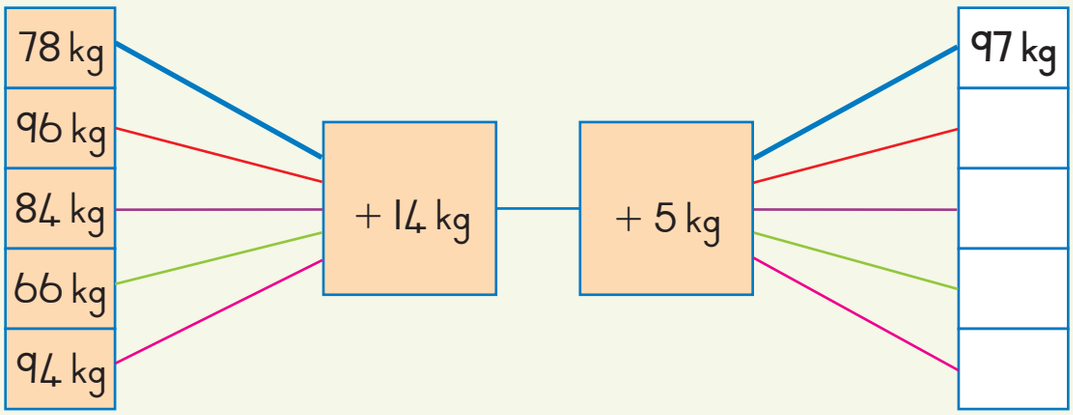
Ukukala



Ngezelela ngamakhilogramu

Hlanganisa begodu ufumane iimpendulo.

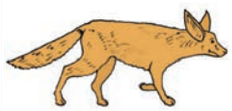
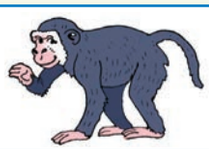






Yenza okuphelelelo begodu uhlanganise!

Cabanga kuhle!

				
Ujakalasi ma-25 kg	Ikghuru ma-98 kg	Ifene ma-59 kg	Umntwana wedube ma-88 kg	Iphelikheni ma-9 kg

Yenza ubudisi ngabunye buphelele ububandameze e-10 lama-kg.

_____

Tlola ubudisi ngokulandelana kusukela kokubulula ukuya kokubudisi.

_____

Linganisa ithothali yobudisi beenyamazana ezi-5.

_____

1 2 3 4 5 6 7 8 9 10

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Hlanganisa ubudisi

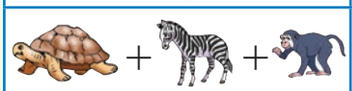


Kungenzeka ngingabibudisi njengawe. Ikghuru omdala, kodwana nginesiqiniseko ngimasinyana!



Amagadango

- Sebenzisa inani elenziwe ngokuphelelelo.
- Linganisa ubudisi beenyamazana emadeni ngamunye.
- Bala ithothali.
- Madanisa amathothali amabili begodu tlola umehluko.

	Ngiyalinganisa	Ngiyabala	Umehluko
			
			
			

Tjhega. Madanisa. Lungisa.

Ubudisi bakaVusi

UVusi uhlanganisa ubudisi bakhe nobudisi be  begodu ne  .

Ubudisi babo buma-239 kg. Ingabe uVusi unobudisi obungangani? Tjengisa ipendulo yakho.

Buyini ubudisi bami?

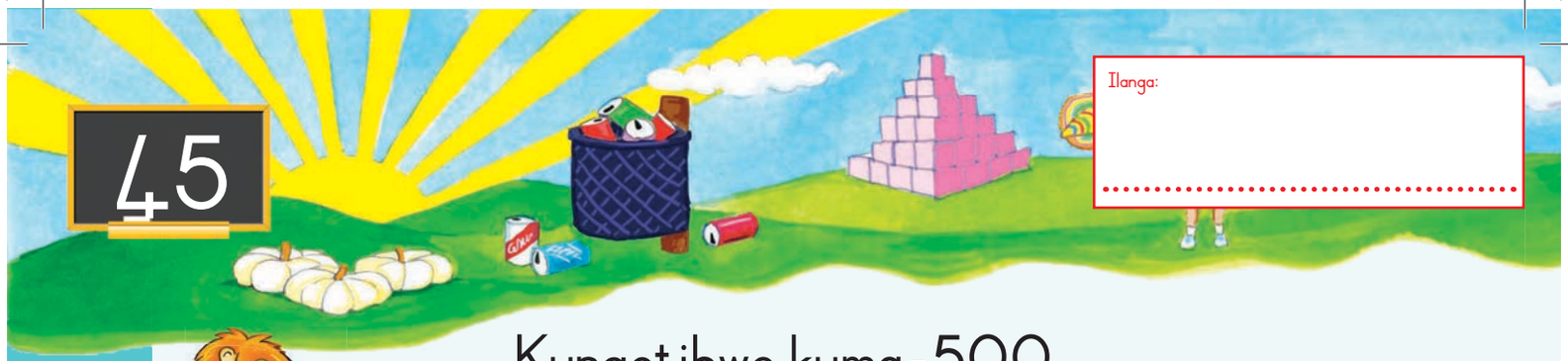
Dlala esiqhemeni. Dlheganani ...

Hlanganisa ubudisi bakho ebudisini bezinye zeenyamazana. Sebenza ithothali. Tjela isiqhema kobana ipendulo ithini. Ungabatjengisi umsebenzakho! Kufanele balinge basebenze ubudisi bakho.

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Sign:
Date:

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Ilanga:

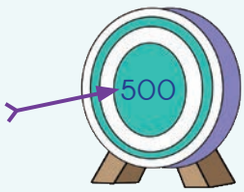
Ithemu 2

Kunqotjhwe kuma-500



Bala bewutlole!

400



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

a. Ragela phambili nokubala kusuka ema-400. Yitjho iinomboro nawulokhu ubala.

b. Tlola iinomboro ezitlhayelako ngegridini.

c. Tlola iinomboro ezilandelako ezili-9 ngemva kwama-500.

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

d. Bala ngaku-2. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangaku-2.

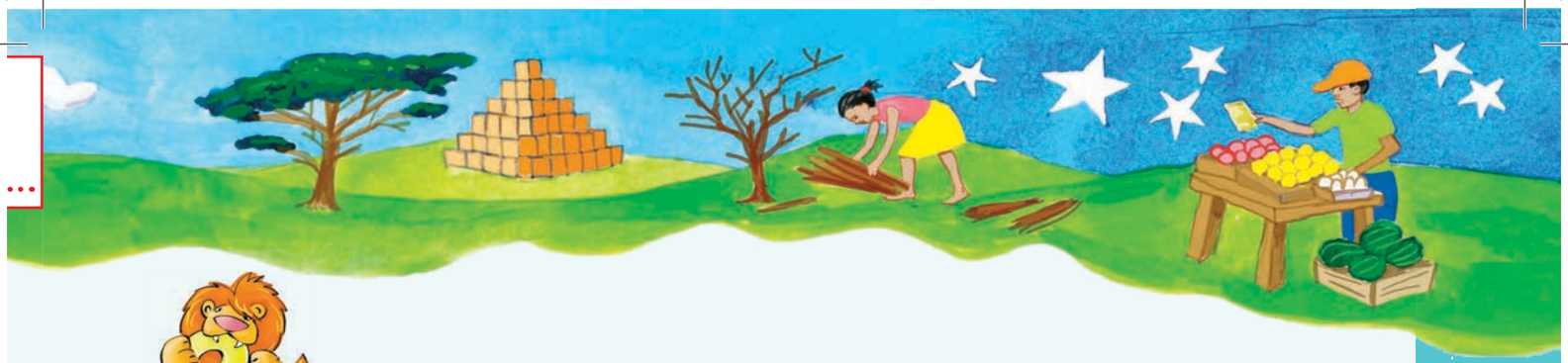
400; 402; _____; _____; _____; _____; _____; _____; _____; _____

e. Bala ngaku-5. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangaku-5.

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

1 2 3 4 5 6 7 8 9 10

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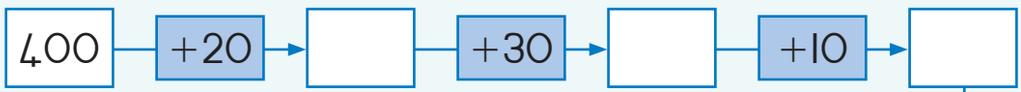


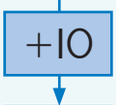


Zalisa ngeenomboro ezitlhayelako.

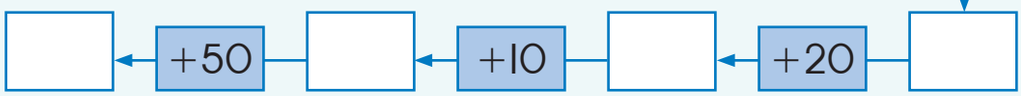
a. Hlanganisa uye phambili kusukela ema-400.

Thoma



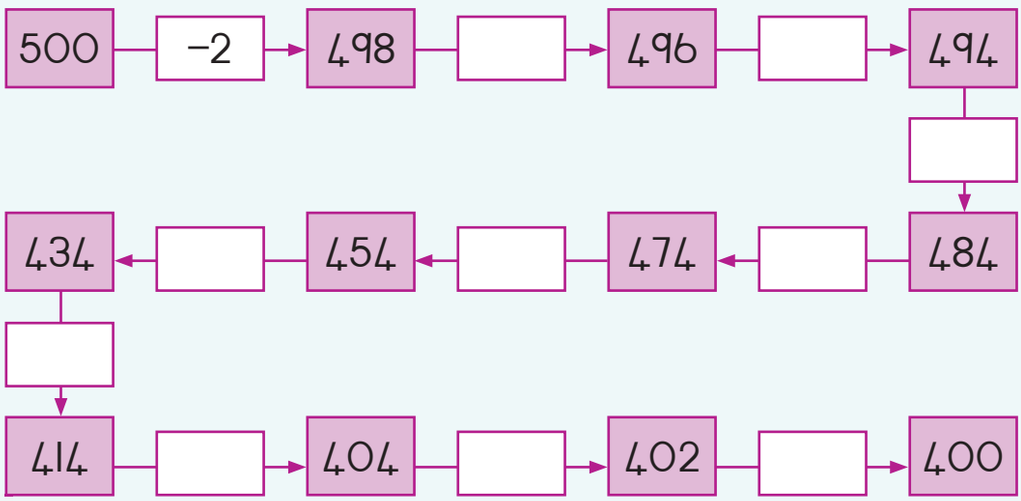


Phetha



b. Bala ubuyele emva kusukela ema-500.

Thoma



Phetha



Tjengisa iinomboro. Landela isibonelo.

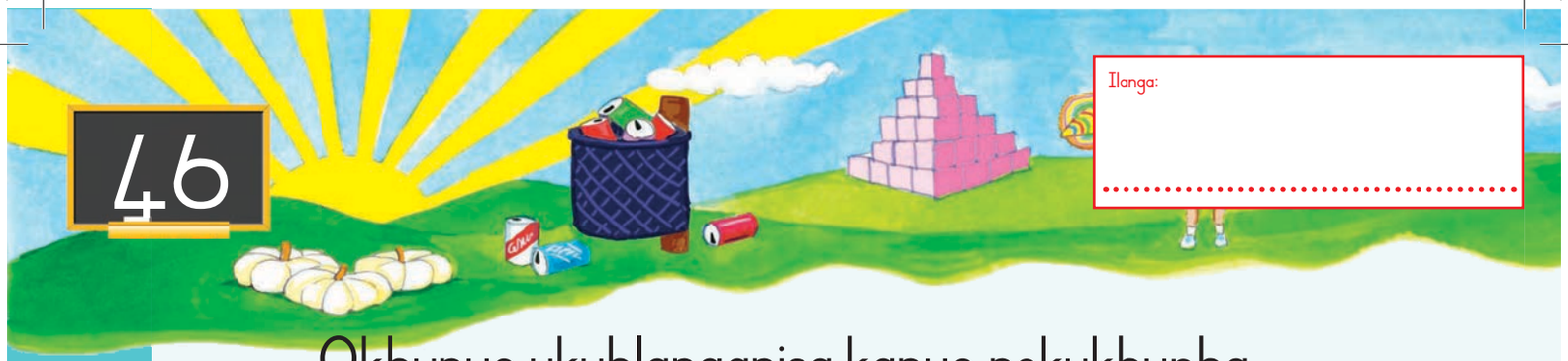
Fumana ithothali yeenomboro lezi. Sebenzisa ikarada lakho leenomboro ukutjengisa ithothali ngayinye.

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

398 + 10		
424 + 10		
460 + 20		



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Ilanga:

Okhunye ukuhlanganisa kanye nokukhupha

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



Siyokusebenzisa iindlela zakaBusi kanye no-Dumi zokubala godu ukuhlanganisa.

a. 245 + 231



Indlela yakaBusi

= 200 + 200 + 40 + 30 + 1

= 400 + 70 + 1

= 471



Indlela yakaTumi

245 + 231

= 400 + 70 + 6

= 471

b. 278 + 136

c. 265 + 148

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Siyokusebenzisa iindlela zakaBusi kanye no-Dumi zokubala godu ukukhupha.

a. 476 – 324



Indlela yakaBusi

= 400 – 300 + 70 – 20 + 6 – 4

= 100 + 50 + 2

= 152



Indlela yakaTumi

476 + 324

= 100 + 50 + 2

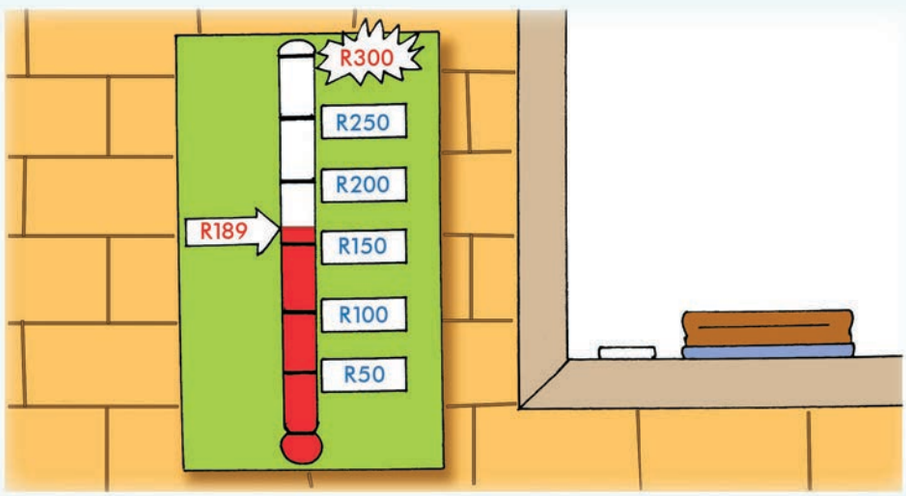
= 152

b. 489 – 456

c. 482 – 161



Funda okunqotjhiweko



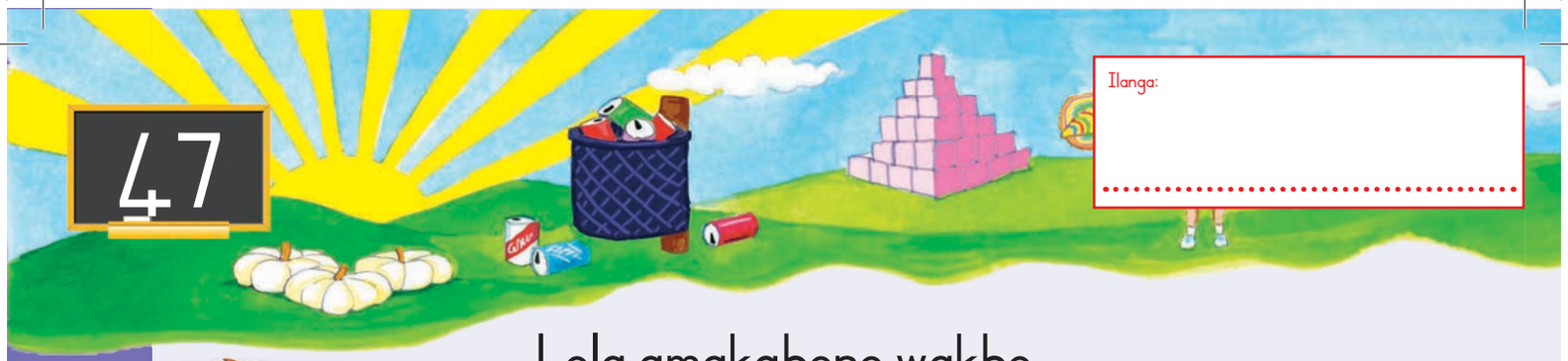
Funda isithombe.

Kusele kangangani ukufikelela emnqopheni?

R

Teacher:
Sign:
Date:

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Ilanga:

Ithemu 2

Lola amakghono wakho



Intaba yefihlo

Liyini ibizo lentaba ephezulu khulu eGauteng? Sebenzisa ikhowudi ukuyifumana.
Madanisa ipendulo ngayinye etheyibuleni neledere elisekhowudini.

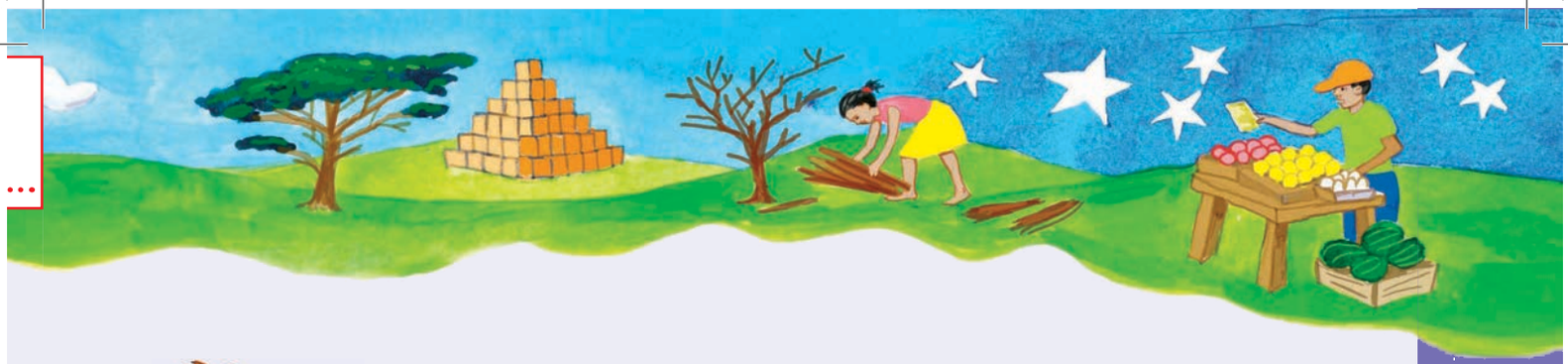
A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

Umtlhala weenomboro	Ipendulo	Iledere
Isibonelo: $2 \times 3 \times 3 \times 1 =$ ☐	18	R
$50 + 50 + 50 + 100 - 200 - 45 =$ ☐		
$1 + 2 + 7 + 10 + 7 + 1 - 14 =$ ☐		
$60 - 30 + 50 + 20 - 50 - 15 - 20 =$ ☐		
$3 + 2 + 7 + 1 + 2 + 1 + 3 =$ ☐		
$5 + 3 + 30 = 4 + 2 + 12 +$ ☐		
$100 - 5 - 70 = 20 +$ ☐		
$36 + 44 - 60 - 22 =$ ☐		
$10 + 15 = 14 +$ ☐		
$2 + 1 + 14 + 9 + 14 = 25 +$ ☐		
$1 \times 2 \times 2 \times 2 \times 2 =$ ☐		

Ibizo lentaba yi:

1 2 3 4 5 6 7 8 9 10

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Qala! Cabanga, begodu phendula!

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

a.

Inomboro 16 izokuba libumbeko liphi? Tshwaya (✓) elilungileko. ✷ ● ☾

Inomboro 18 izokuba libumbeko liphi? Tshwaya (✓) elilungileko. ✷ ● ☾

Inomboro 28 izokuba libumbeko liphi? Tshwaya (✓) elilungileko. ✷ ● ☾

b.

Inomboro-50 izokuba li-✷. Liqiniso namkha Mamanga?

Inomboro-100 izokuba li-●. Liqiniso namkha Mamanga?

Inomboro-23 izokuba li-☾. Liqiniso namkha Mamanga?



Hlolisisa. Madanisa. Lungisa.



Ngikuphi okunengi?

Ukuthola ama-R2.50 wesikhwama ngelanga enyangeni kaJuni noJulayi.

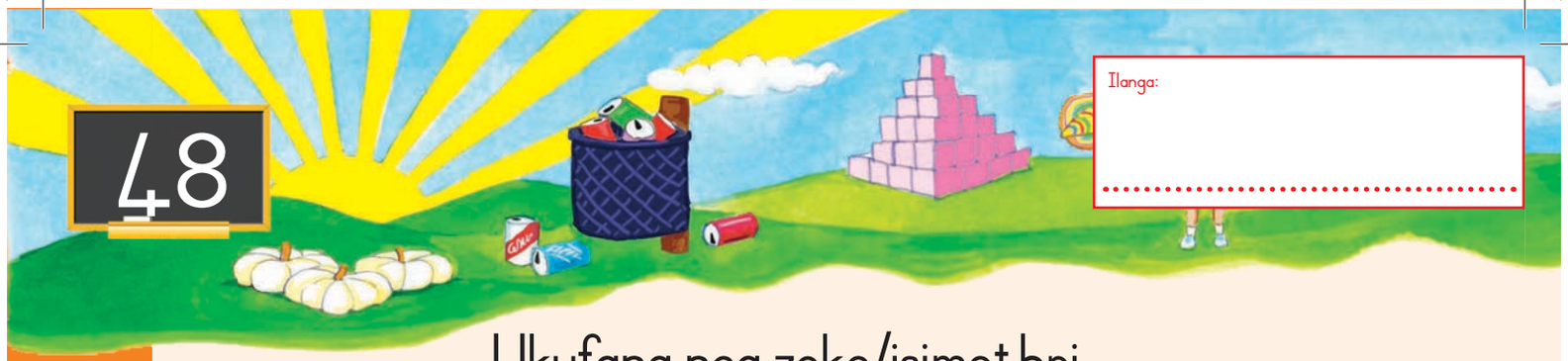
Nanyana ukuthola ama-R150 ithothali yemali yokudla esikolweni yenyanga yoke.

Tjengisa ukuthi uzoyisebenza njani.

Teacher:
Sign:
Date:

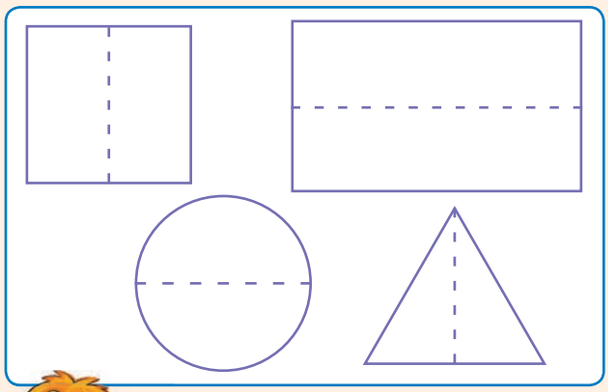
11 12 13 14 15 16 17 18 19 20

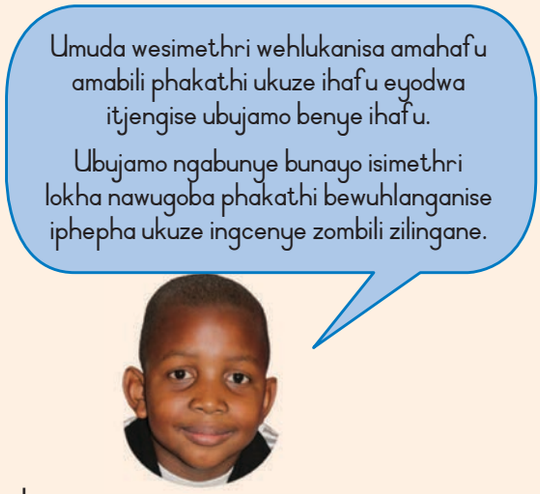
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Ukufana nca zoke/isimethri

Ngikuphi okuyelelako ngamajamo?





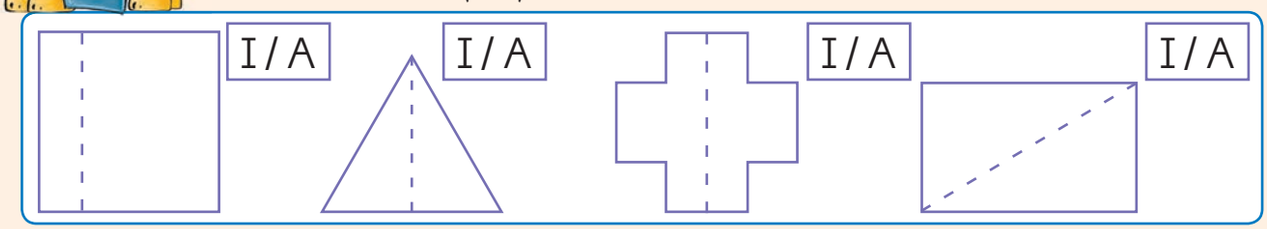


Gwala umuda olinganisa nca zoke ejameni ngalinye.



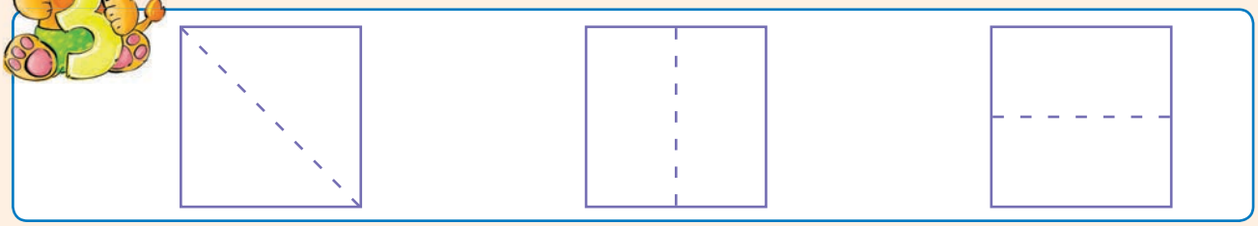


Ingabe umuda omacaphaza mumuda owenza kobana kulingane nca zoke? Ndulungela (Iye) nawuvumako namkha (Awa) nawulandulako.





Ingabe lowo mumuda olinganisa nca zoke? Kungani utjho njalo?





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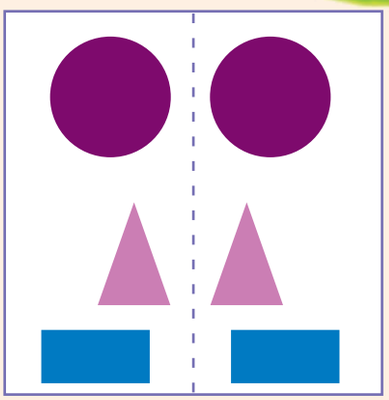




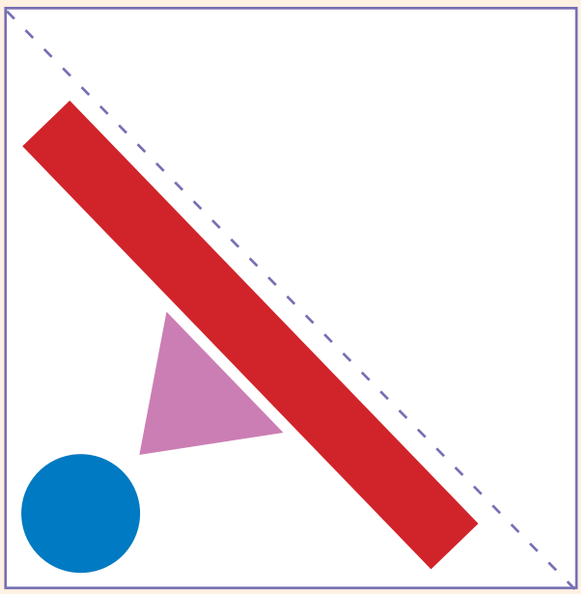
Gwala amajamo ukwenza isithombe silingane nca zoke.

Sewenzelwe isibonelo.

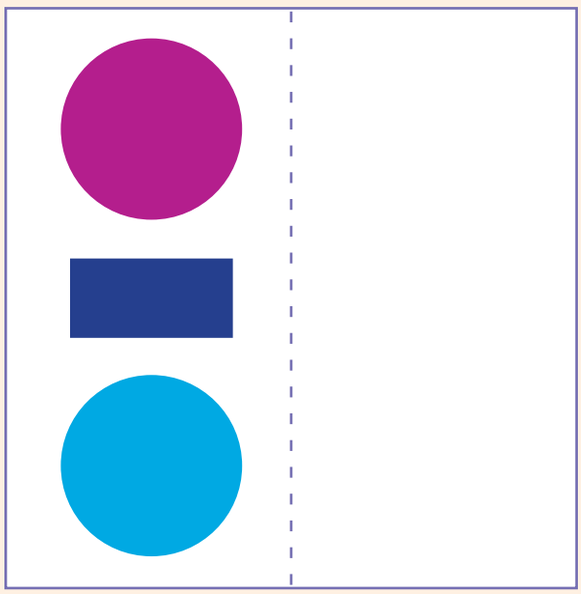
a.



b.



c.



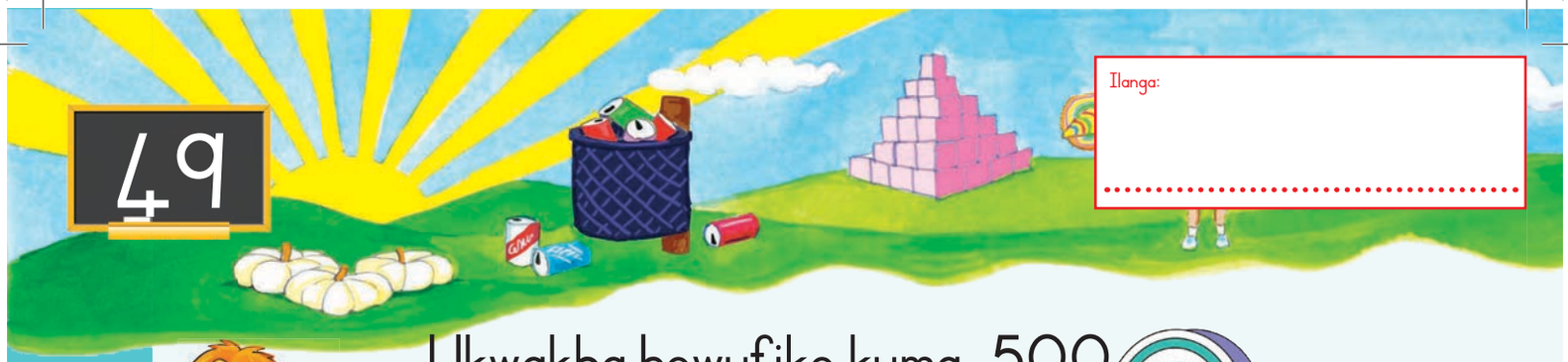


Zenzele wakho umuda olingana nca zoke usebenzisa amajamo.



11 12 13 14 15 16 17 18 19 20

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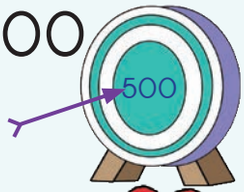
49

Ilanga:

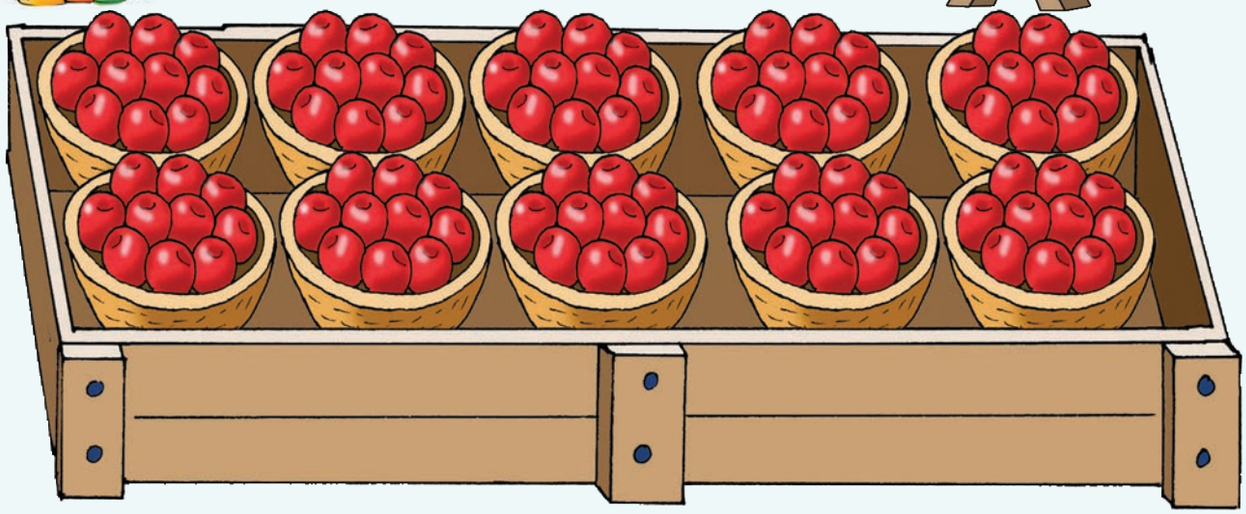
.....

Ukwakha bewufike kuma-500





Bala ama-apula



Qedelela bewubuyebuyelele.

Umantji owo-1 ufaka ama-apula _____.	$1 \times 10 = 10$
Abomantji aba-3 bafaka ama-apula _____.	$3 \times 10 =$
Abomantji aba-5 bafaka ama-apula _____.	
Abomantji aba-4 bafaka ama-apula _____.	
Abomantji aba-2 bafaka ama-apula _____.	

Ikhreyidi li-1 liphatha 100 wama-apula.	Amakhreyidi ama-2 aphatha _____ wama-apula.
Amakhreyidi ama-3 aphatha _____ wama-apula.	Amakhreyidi ama-4 aphatha _____ wama-apula.
Amakhreyidi ama-5 aphatha _____ wama-apula.	Amakhreyidi ama-2 nohafu aphatha _____ wama-apula.



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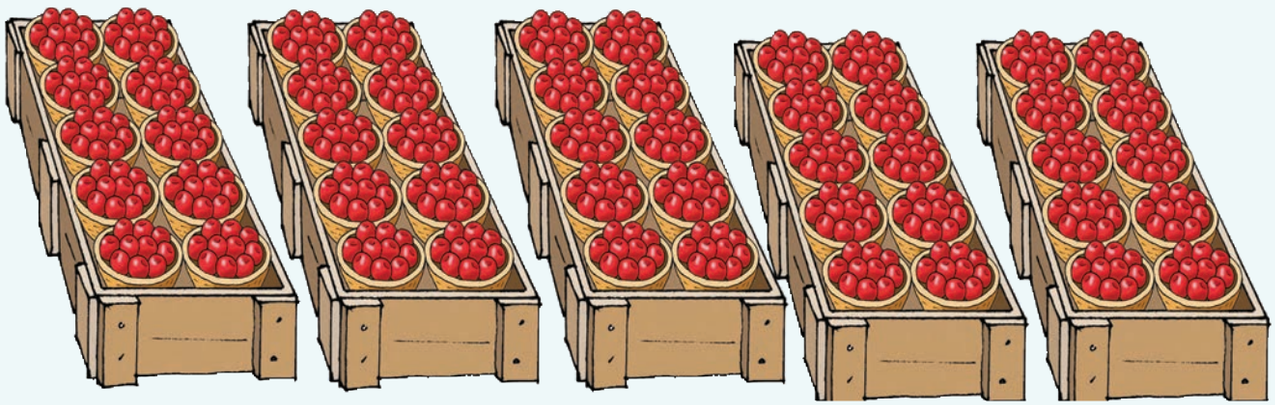


Kunama-apula ali-10 ngemantjini mu-1.

Kune _____ labomantji ngekhreyidini linye.

Kune _____ yama-apula ngekhreyidini linye.

Mangaki ama-apula alapho sekawoke? _____



Bala, utjengise bewutlole

Thoma ngokusebenzisa amakarada weenomboro ukutjengisa ithothali ngayinye. Bese utlola inomboro.

300 40 5

Amakhreyidi ama-3 = 345 yama-apula + abomantji aba-4 + yama-apula 5

Amakhreyidi ama-4 = _____ yama-apula + abomantji aba-5 + yama-apula 7

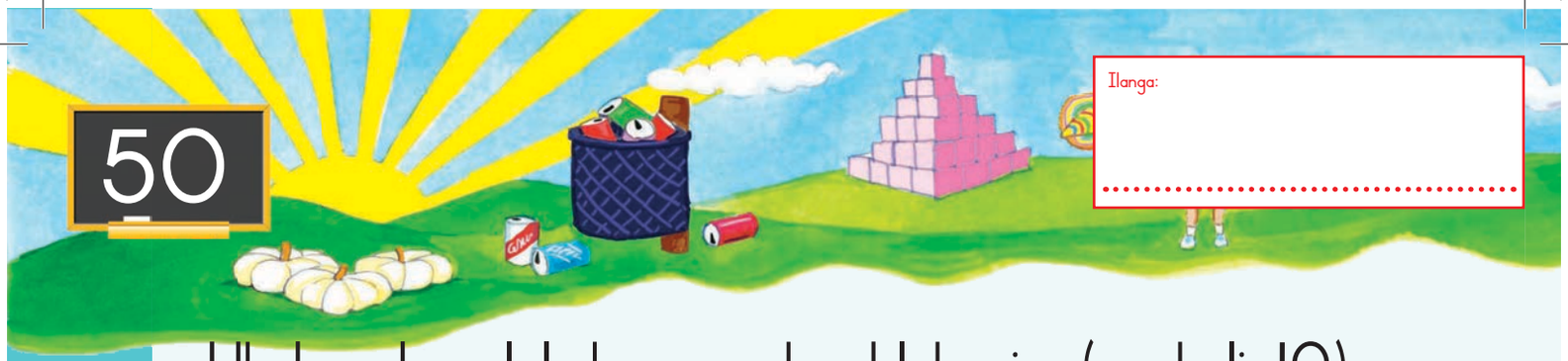
Amakhreyidi ama-5 = _____ yama-apula + abomantji aba-2 + yama-apula 3

Amakhreyidi ama-4 = _____ yama-apula + abomantji aba-7 + yama-apula 2

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Ilanga:

Ithemu 2

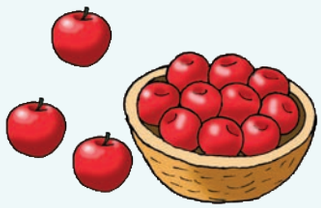
Ukubuyabuyelela kanye nokwehlukanisa (ngokuli-10)



Ukubala ama-apula.

Zalisa ithebula.

Bangaki abomantji abafaka ama-apula?



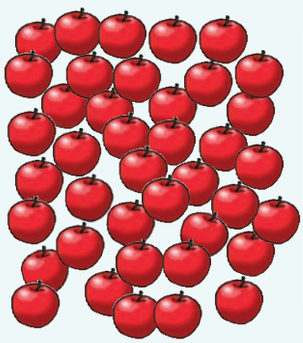
Ama-apula 	10	20	30	40	50
Iimantji 	1	2			
÷ isibalo					50 ÷ 10 = 5
× isibalo					5 × 10 = 50



Yabela abentwana ama-apula. Yenza umgwalo. Tlola isibalo sokuhlukanisa neso kubuyabuyelela ukuze utjhege ipendulo yakho.

a.









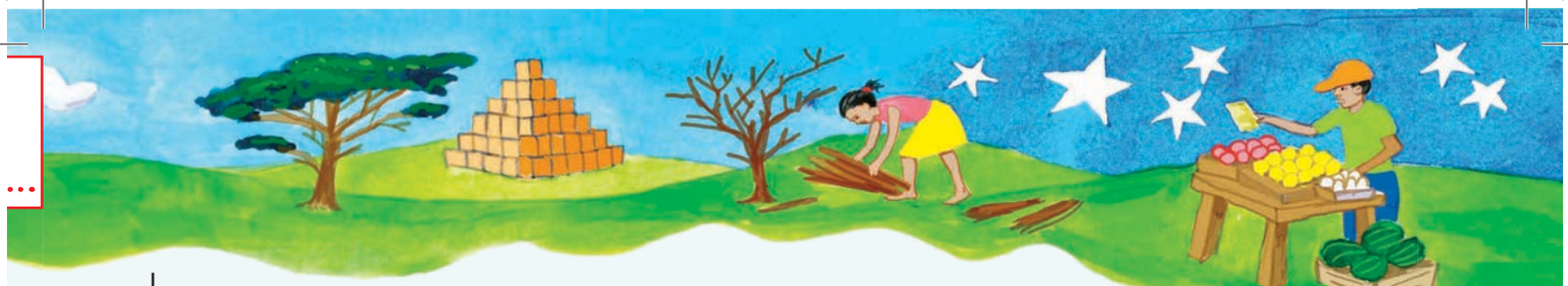
Tjhega ipendula.

□ ÷ □ = □

□ × □ = □

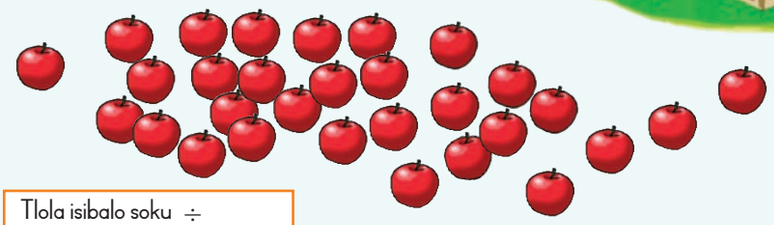


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b.





Tlola isibalo soku ÷

Tlola isibalo soku × ukuze uhlolisise iimpendulo zakho.







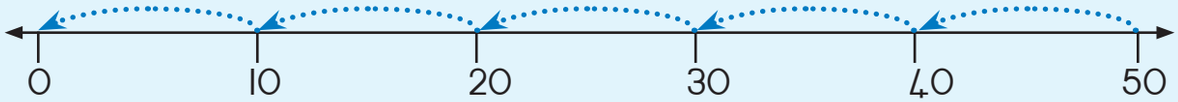
Sebenzisa iinomboro ukuzenzela yakho imitjho yeenomboro.



÷	40 ÷ 10 = 4

×	4 × 10 = 40

a.



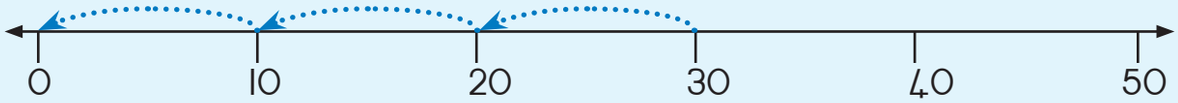
÷		×	

b.



÷		×	

c.



÷		×	



Nikela inomboro eli-10 ubuncani kanye nenomboro eli-10 ubukhulu kunaleyo enikelweko.

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

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51

Ilanga:

Ukubala ngaku-2



Ukubala uye phambili ngaku-2 bewubuyele emuva.

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

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

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

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



Ipara yamadlhavu



a. Ziimpara ezingaki zamadlhavu emudeni munye? _____

b. Mangaki amadlhavu ngalinye emudeni munye? _____

c. Mimida emingaki? _____

d. Madlhavu amangaki nasele awoke? _____

e. Tjengisa kobana uyisebenze bunjani.

f. Tlola ipendulwakho njengomutjho weenomboro.

_____ × _____ = _____

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Madlhavu amangaki?

Tlola amatheyibula.

a.

Amaglavu	1	10	5	50	4	40	3	30	100
Inomboro zamaglavu	2								

b.

Amaglavu	20	21	70	73
Iimpara ezingenziwa				
Amadlhavu angalinye aseleko				



Bala ngaku-2

a. Ngiyiphi inomboro eba hlangana nawubala ngakubili?

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

b. Tlola iinomboro ezimbili ezilandelako.

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

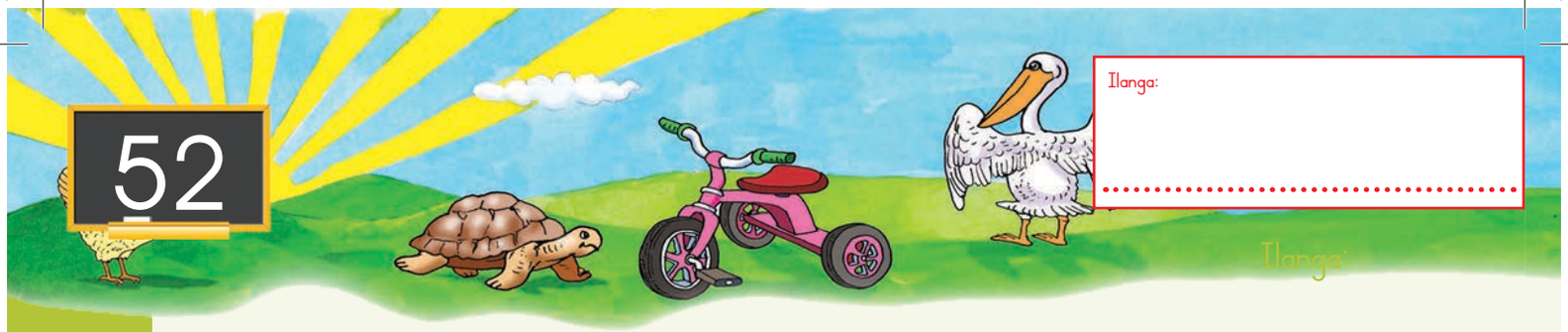
c. Tlola iinomboro ezimbili ezilandelako.

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

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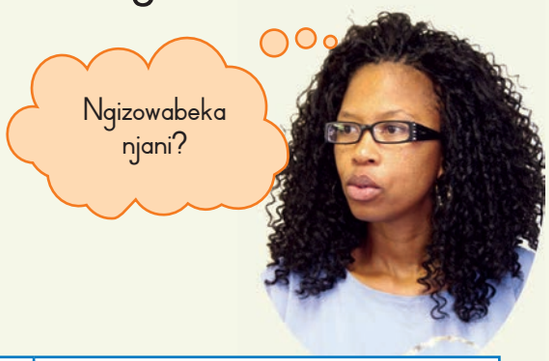
Ilanga:

Ilanga:

Ukupheyiva ngamathayilesi



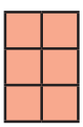
Ukuhlela isivande



UKkz. Mabena unamathayilesi amahle.

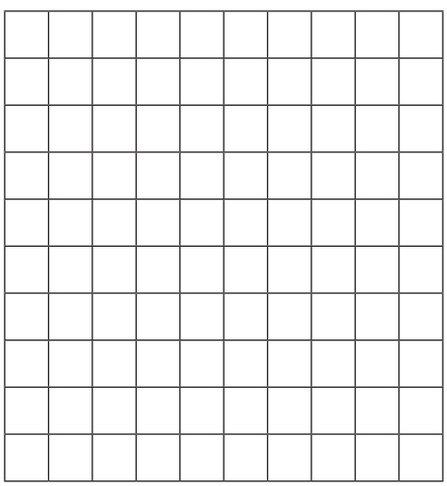
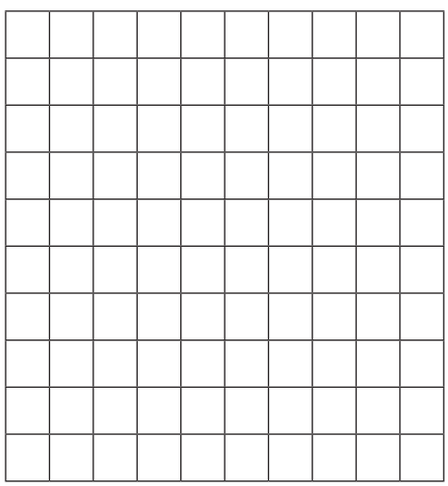
Uwasebenzisela ukupheyiva indawo esesivandeni sakhe.

Kunamathayilesi ama-6 asikwere wobukhulu obulinganako.

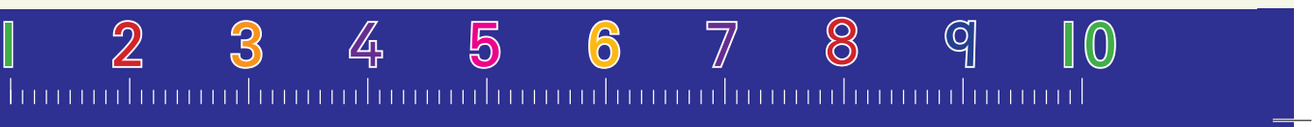
Ngingenza umuda mu-1 ngamathayilesi asi-6.	Ngingenza imida emi-2 ngamathayilesi ama-3 emudeni.	Ngingenza imida emi-3 ngamathayilesi ama-2 emudeni ngamunye.
		
$6 \times 1 = 6$	$3 \times 2 = 6$	$2 \times 3 = 6$

Kwanjesi lidlhego lakho!

Khalara amabhlogo ukutjengisa kobana ungahlela bunjani amathayilesi abu-8 na-9.

iinkwere ezi-8	iinkwere ezili-9
	

Tlola iinomboro zemitjho emdwebeni ngamunye.



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Hlela amathayilesi ali-12

UThabo unamathayilesi ali-12 asikwere ukupheyiva ngaphandle komtlhatlhana wakhe. Msize athole iindlela angenza ngazo.

Tlola inomboro yomutjho wendlela ngayinye.

Isibonelo:	$1 \times 12 = 12$ $12 \times 1 = 12$



Hlela amathayilesi ama-24

- Sebenzisa igridi kuSika-2.
- Khalara amabhlogo ama-24 ngeendlela ezihlukeneko.
- Tlola iinomboro zemitjho ukumadanisa umdwebo ngamunye.



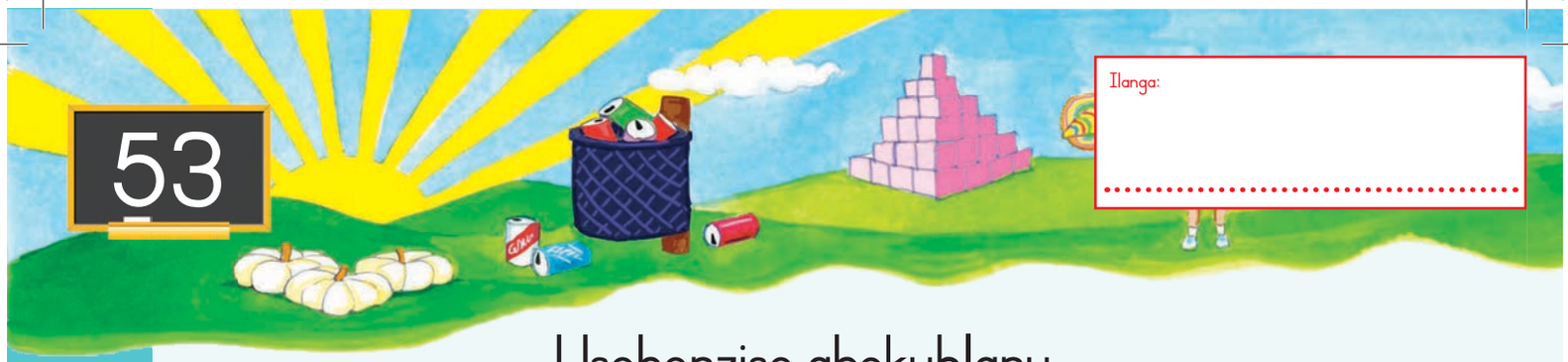
Ngingabuyabuyelela!

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

Teacher:
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Date:

11 12 13 14 15 16 17 18 19 20

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Ilanga:

Ithemu 2

Usebenzise abokuhlanu



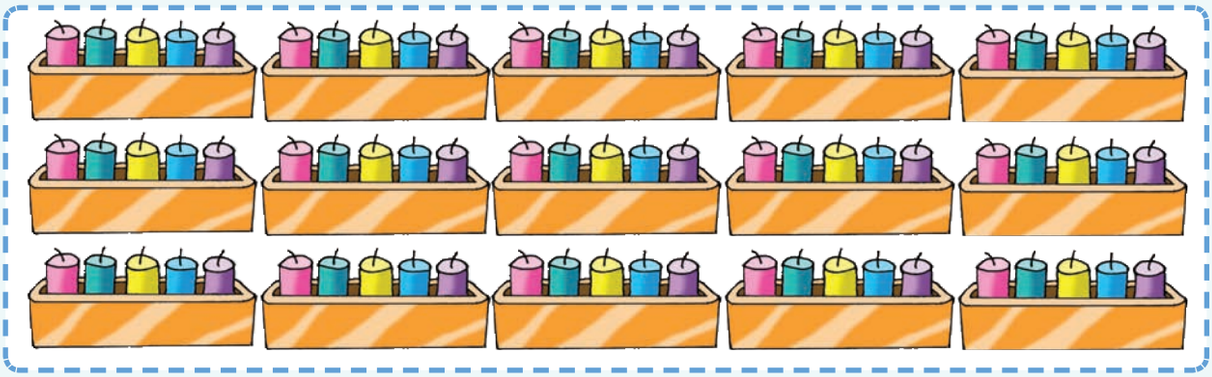
Yazi ku-5 kwakho

Zalisa iimpendulo.

	1	2	3	4	5	6	7	8	9	10
× 5	5									



Bala amakerese



a. Mangaki amakerese ngebhoksini ngalinye? _____

b. Mabhoksi amangaki _____

c. Mangaki amakerese ereyini ngalinye _____

d. Makerese amangaki nasele awoke?_____



Tjengisa ipendulo

Thika (✓) inomboro yomuthjo etjengisa ithothali yamakerese

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



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Bala uye phambili nemva ngaku-5

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

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

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

Buthelela ama-R5 wesimbi



Qedelela umutjho: Abentwana babuthelela imali eyisimbi yenani lama-R5. Bafanele babuthelele imali eyisimbi ema-R5 amangaki ukuze babuthele imali elingana R___? Ezimbili zokuthoma sele sikwenzele.

R5 ÷ 5 = 1 yekhoyini	R10 ÷ 5 = 2 yamakhoyini	R15? ____	R20? ____	R25? ____
R30? ____	R35? ____	R40? ____	R45? ____	R50? ____

2 × R5 = R _____

4 × R5 = R _____

6 × R5 = R _____

8 × R5 = R _____



Buyabuyelela ngaku-5

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

Cabanga kuhle! Yakha ngamaphuzu owaziko!

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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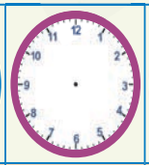
Ilanga:



Ukusebenza ngesikhathi

Dweba/gwala iinkhathi



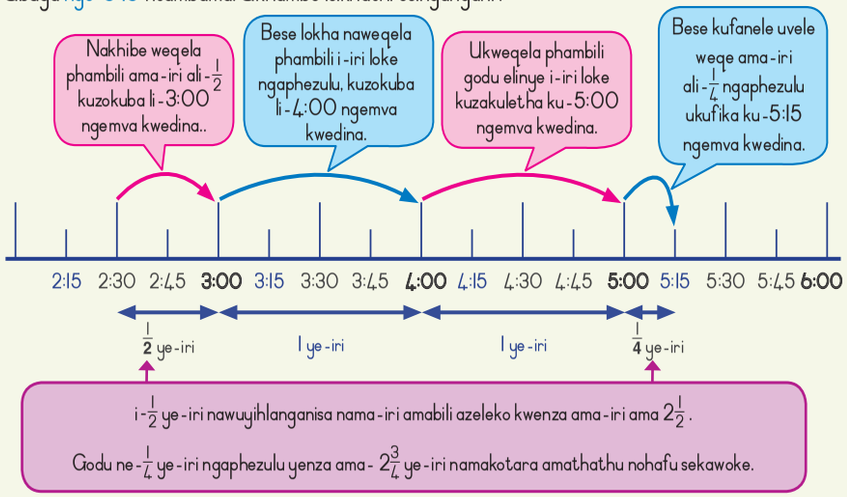
					
Siquntu ngemva kwele-5	Yikotara ngaphambi kwele-tjhumi nalinye	Yikotara ngemva kweletjhumi nambili-12	12:45	6:15	4:30



Umraro wesikhathi

Singasebenzisa umuda wesikhathi ukuyisebenza. Beka umuno wakho ku-2:30, isikhathi ekungiso kwanjesi.

Umma kaNomsa usuka ekhaya nge-2:30 ngemva kwedina.
Ubuya nge-5:15 ntambama. Ukhambe isikhathi esingangani?





Imiraro yesikhathi

Hlolisisa Madanisa. Lungisa.

Sombulula umraro ngamunye. Sebenzisa imida yesikhathi ukukusiza.

a. UQueenie uvakatjhela uyise etliniga nge-15:45 ngemva kwedina. Usuka nge-17:15. Uvaketjhe isikhathi esingangani?



_____

b. UMusa uya ephageni nge-10:45. Ubuya ekhaya nge-12:30. Ukhambe isikhathi esingangani?



_____

c. UTumi uthoma ukufunda nge-13:15. Uqeda nge-14:45. Ingabe uTumi ufunde isikhathi esingangani?



_____

Teacher:
Sign:
Date:

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Ilanga:

Bala ngaku-3 nangaku-4



Iimpoto ezinemilenze emi-3

Hlanganisa bese utlola ipendulo.



a. Ziimpoto ezingakhi ereyini? _____

b. Milenze emingaki ereyini? _____

c. Mareyi amangaki weempoto? _____

d. Milenze emingaki nasele iyoke? Tjengisa kobana uyisebenze njani ipendulo.

Tshwaya (✓) ngiziphi iinomboro zemitjho ezingaphasi ezitjengisa ithothali.

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



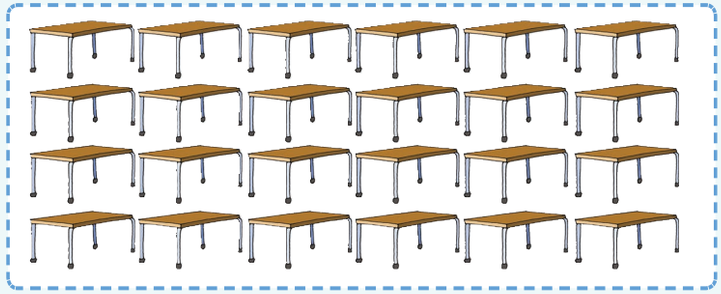
Milenze emingaki?

Cabanga masinyana.
Cabanga kuhle.

Ipoto yi-1	3 imilenze	Iimpoto ezili-10	☐ imilenze	Iimpoto ezi-5	☐ imilenze
Iimpoto ezi-2	☐ imilenze	Iimpoto ezili-15	☐ imilenze	Iimpoto ezili-12	☐ imilenze
Iimpoto ezi-5	☐ imilenze	Iimpoto ezili-13	☐ imilenze	Iimpoto ezili-14	☐ imilenze



Imilenze yetafula



a. Matafula amangaki ereyini? _____

b. Milenze emingaki ereyini? _____

c. Mareyi amangaki wamatafula? _____

d. Imilenze mingaki nasele iyoke? Tjengisa kobana uyisebenze bunjani.



Efemini



Umbazi wenza amatafula. Uthoma ngokwenza imilenze.

Bekube nje sele enze ama-48. Angenza amatafula amangaki? ☐

Ingabe usatlhoga imilenze emingaki ukwenza enye itafula? ☐



Qedelela igridi ngokuzalisa iimpendulo

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

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Ilanga:

.....

Ukubala ngama-50



Umntwana munye, ingubo yinye!

Bangaki abentwana? Linganisa, bese uyabala.









Boke abentwana abasesithombeni bafumana iingubo. Bangaki abentwana abalapho? _____		
Linganisa	Bala	Madanisa
Bungaki ubuso obuthabileko ☺ babesana? ____ Bungaki ubuso obuthabileko ☺ babentazana? ____		



Babhadela ini?

UGwazi  uthenga zi-2  .

Ubhadela R

UKkz Chakane  uthenga zi-5  .

Ubhadela R



Isitolo sakaThembi 

sithenga ama-20  .

Ubhadela R

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



Kuzokuthatha isikhathi esingangani? Sebenzisa ikhalenda.

Itlasi lakagreyidi-3 libuthelela imali yokuthenga iingubo ezi-4.

Babuthelela i-R5 ngelanga amalanga ama-5 ngeveke.

Batlhoga iimveke ezingaki ukuthi babuthelele imali yeengubo?



Teacher:
Sign:
Date:

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

Ilanga:

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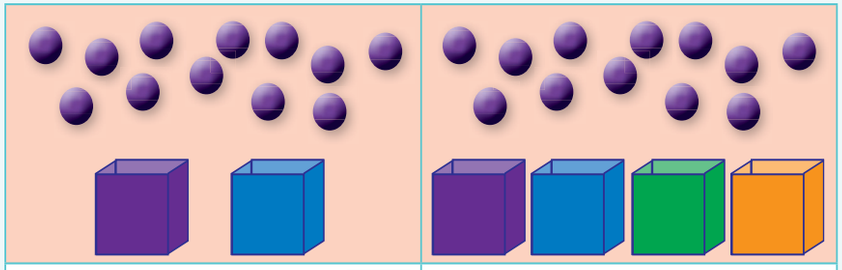
57

Ilanga:

Amacezu: abohafu kanye namakota



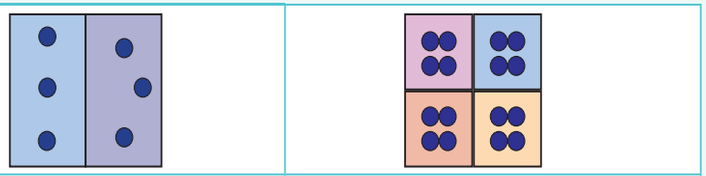
Yehlukanisa ufake iimbholo ngemabhoksini amabili ngokulingana.



• Zingaki iimbholo ngebhoksini elinye nelinye?	• Zingaki iimbholo ngakelinye nelinye ibhoksi?
• Zingaki iimbholo ezingebhoksini eliphephuli?	• Zingaki iimbholo ngebhoksini eliphephuli?
• Iimbholo ezingebhoksineliphephuli lenza cezu bani?	• Iimbholo ezingebhoksini eliphephuli lilicezu bani?



Qala isithombe ngasinye bese uphendula imibuzo.



Ubale iiyingi ezingaki?	Ubale iiyingi ezingaki?
Iyini i-$\frac{1}{2}$ yeeyingi?	Iyini i-$\frac{1}{4}$ yeeyingi?
	Iyini i-$\frac{2}{4}$ yeeyingi?
	Iyini i-$\frac{3}{4}$ yeeyingi?
	Iyini i-$\frac{4}{4}$ yeeyingi?



Faka umbala i-$\frac{1}{2}$ yejamo.

Faka umbala i-$\frac{1}{2}$ yejamo.

Faka umbala i-$\frac{2}{4}$ yejamo.

Faka umbala i-$\frac{3}{4}$ yejamo.



Qala umtletlana wamacezu

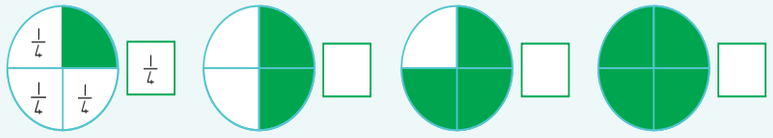
Oku-I kokuphele leko	
$\frac{1}{2}$	$\frac{1}{2}$
$\frac{1}{4}$ $\frac{1}{4}$	$\frac{1}{4}$ $\frac{1}{4}$

a. Bangaki abohafu ($\frac{1}{2}$) abenza okukodwa okupheleleko?

Mangaki amakota ($\frac{1}{4}$) enza okukodwa okupheleleko?

Mangaki amakota ($\frac{1}{4}$) enza ihafu?

b. Qala amadayagramu bese utlola icezu lengcenye efiphaziweko.



c. Ngiliphi icezu elikhulu, i-$\frac{1}{2}$ nanyana $\frac{1}{4}$

Teacher:
Sign:
Date:

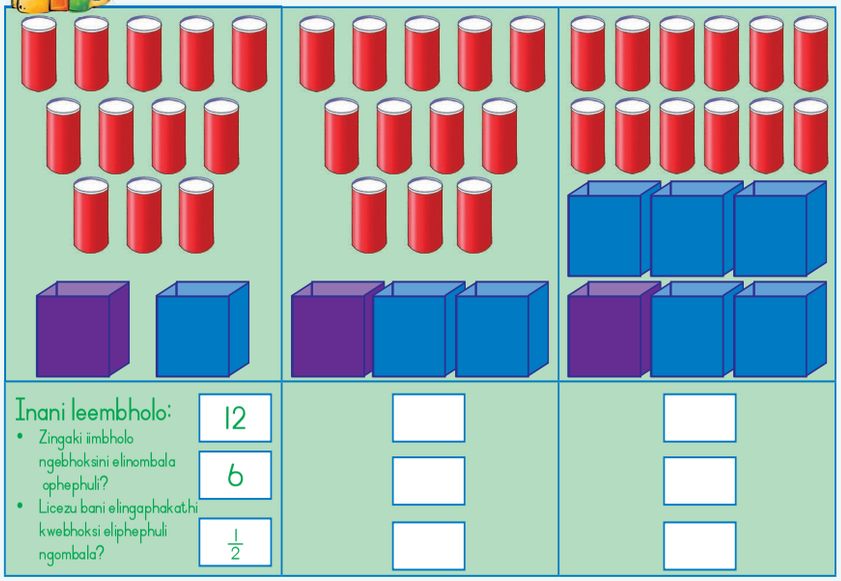
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Ilanga:

.....

Amacezu: abohafu, kunye kokuthathu kanye nokukodwa kokwesithandathu

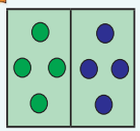
Yehlukanisa amakotikoti (amasilinda) ngokulinganako uwafake ngemabhoksini.



Inani leembholo:
- Zingaki iimbholo ngebhoksini elinombala ophephuli? 12
- Licezu bani elingaphakathi kwebhoksi eliphephuli ngombala? 6, $\frac{1}{2}$

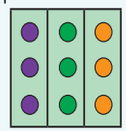


Qala iinthombe bese uphendula imibuzo.



Ubale iiyingi ezingaki? ☐

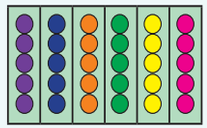
Yini i-$\frac{1}{2}$ yeeyingi? ☐



Yini i-$\frac{1}{3}$ yeeyingi? ☐

Yini i-$\frac{2}{3}$ yeeyingi? ☐

Yini i-$\frac{3}{3}$ yeeyingi? ☐



Yini i-$\frac{1}{6}$ yeeyingi? ☐

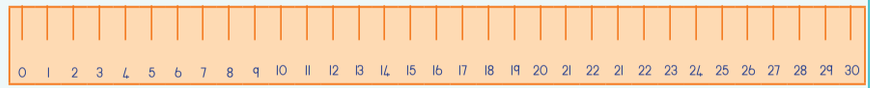
Yini i-$\frac{2}{6}$ yeeyingi? ☐

Yini i-$\frac{3}{6}$ yeeyingi? ☐

Yini i-$\frac{4}{6}$ yeeyingi? ☐

Yini i-$\frac{5}{6}$ yeeyingi? ☐





- Tjengisa ihafu eruleni. Lokhu kulingana nama-cm ____.
- Tjengisa ingcenye eyodwa yokusithathu yerula. Lokhu kulingana nama-cm ____
- Tjengisa ingcenye eyodwa yokusithandathu yerula. Lokhu kulingana nama-cm ____



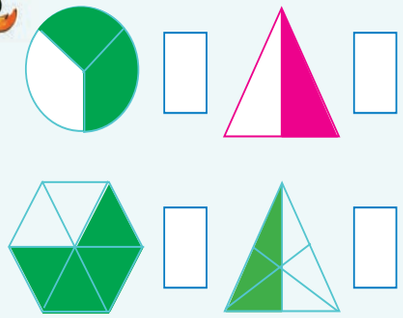
Qala umtletlana wamacezu. Qedelela imitjho.

Oku-1 okuphelelekо					
$\frac{1}{2}$			$\frac{1}{2}$		
$\frac{1}{3}$		$\frac{1}{3}$		$\frac{1}{3}$	
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

- Kunamahafu ama-____ kokupheleleko okukodwa.
- Kunokukodwa kokwesithathu oku-____ kokupheleleko okukodwa.
- Kunokukodwa kokwesithandathu oku-____ kokupheleleko okukodwa.
- Kunokukodwa kokwesithandathu oku-____ kuhafu eyodwa.
- Kunokukodwa kokwesithandathu oku-____ kokukodwa kwesithathu.



Tlola icezu lengcenye efiphaziweko.



Ndulungela ingcenye ekulu yecezu.

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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Ilanga:

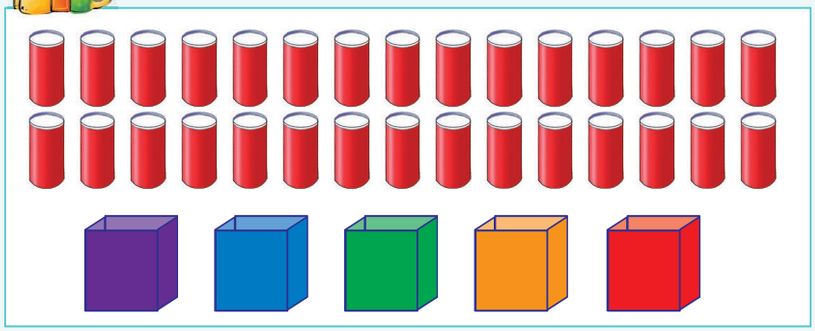
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Ilanga:

Amacezu: Kunye kokuhlanu

Yehlukanisa ufake amakotikoti ngemabhoksini.



- Ngengcenyeni eyi-$\frac{1}{5}$ yebhoksi, kunamakotikoti asi- 6
- Ngengcenyeni eyi-$\frac{2}{5}$ yebhoksi, kunamakotikoti asi-
- Ngengcenyeni eyi-$\frac{3}{5}$ yebhoksi, kunamakotikoti asi-
- Ngengcenyeni eyi-$\frac{4}{5}$ yebhoksi, kunamakotikoti asi-
- Ngengcenyeni eyi-$\frac{5}{5}$ yebhoksi, kunamakotikoti asi-

Qala isithombe bese uphendula imibuzo.

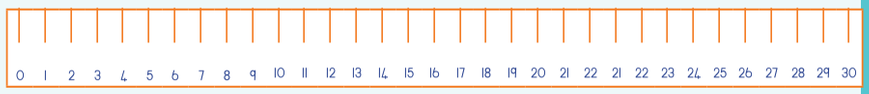
Mangaki amatjhokoledi ngebhoksini?



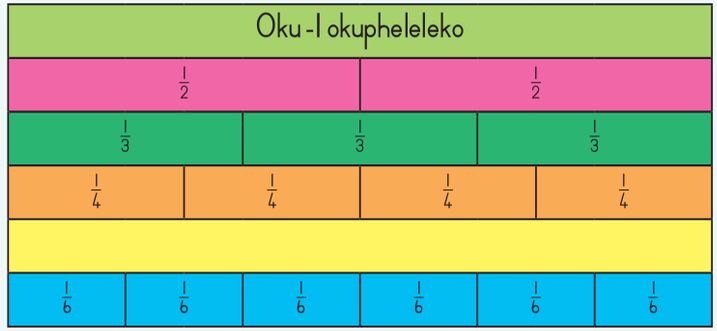
- Okukodwa kokuhlanu yetjhokoledi ilingana na-
- Okubili kokuhlanu yetjhokoledi ilingana na-
- Okuthathu kokuhlanu yetjhokoledi ilingana na-
- Okune kokuhlanu yetjhokoledi ilingana na-
- Okuhlanu kokuhlanu yetjhokoledi ilingana na-
- Ngelanga elilodwa ngidla i-$\frac{1}{5}$ yamatjhokolede. Kusele amatjhokoledi angangani?
- Ngelanga elilandelako ngidla i-$\frac{1}{5}$ yetjhokolede. Kusele itjhokoledi engangani?

Faka umbala isisetjenziswa sokumeda, isilinganiso e-$\frac{1}{5}$.

a.



Qala umtletlana wamacezu bese uphendula imibuzo.



Ndulungela: okukhulu nanyana okuncani

a. i-$\frac{1}{2}$ yikulu/yincani kune $\frac{1}{4}$.

b. i-$\frac{1}{3}$ yikulu/yincani kune $\frac{1}{2}$.

c. i-$\frac{1}{5}$ yikulu/yincani kune $\frac{1}{6}$

d. i-$\frac{1}{6}$ yikulu/yincani kune $\frac{1}{3}$.

e. i-$\frac{3}{6}$ yikulu/yincani kune $\frac{2}{5}$.

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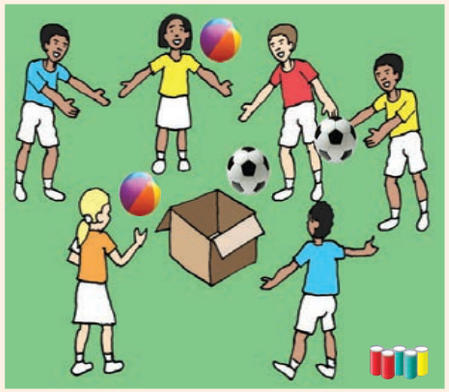
Izinto ezima -3D



Bala amabhoksi (amaphrizima) ☐

Bala iimbholo (indulunga) ☐

Bala amasilinda ☐





Lawa mabhoksi

Sebenzisa usika we-3 newe-4 ukwenza lokhu.



Ingcenye enye nenye yawo esipara yaziwa ngobuso. Namathisela ubuso obubodwa obuhlekako ngakelinye nelinye ihlangothi lebhoksi.

Unamathisele ebusweni obungaki?



Ikhyubhu ☐ Iphrizima ☐ Iphrizima ☐

Ingabe ubuso iphrizima busipara nanyana buyajikeleza? ☐



Kwanjesi yenza isilinda ngosika-4

Ingabe ubuso besilinda busipara nanyana buyajikeleza. ☐



Sebenzisa izinto zakho ukwakha okulandelako:

Hlathulula kobana isilinda ikuyiphi indawo usebenzisa amagama.

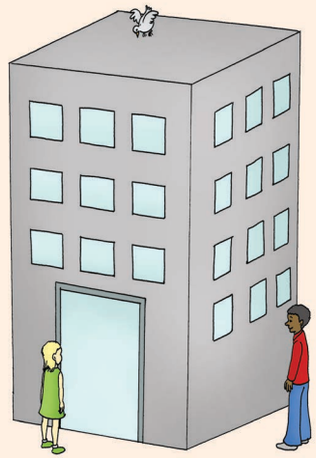
Ihlangothi elilodwa | Ngaphambili | Ngaphezulu



☐ ☐ ☐



Sebenzisa amagama angenzasi ukuqedelela imitjho.



Umntazana uqale _____ lomakhiwo.

Indoda iqale _____ lomakhiwo.

Iinyoni ziqale _____ lomakhiwo.

Ilingeqadi | Ilingaphezulu | ilingaphezu

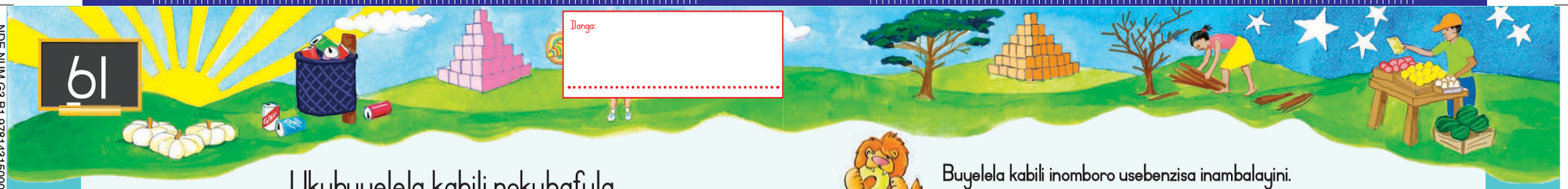








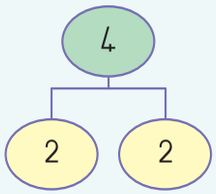
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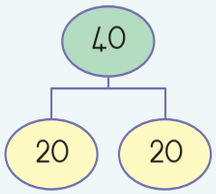


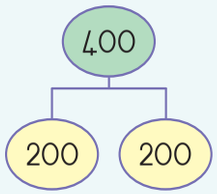
Ukubuyelela kabili nokuhafula

Ingabe usakhumbula	u-2 yihafu yaka-4	u-4 kulokha nakubuyelelwe u-2 kabili
	20 yihafu yaka 40	u-40 kulokha nakubuyelelwe u-20
	200 yihafu yaka 400	u-400 kulokha nakubuyelelwe u-200

Singakutjengisa lokhu ngomgwalo...



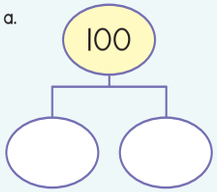




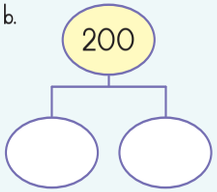


Ukuthola abohafu

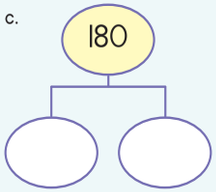
a.



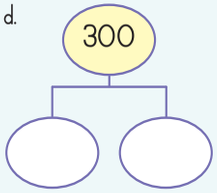
b.



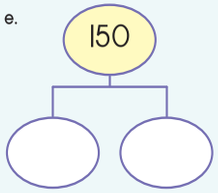
c.



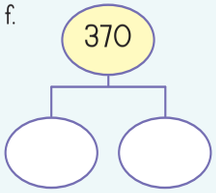
d.



e.

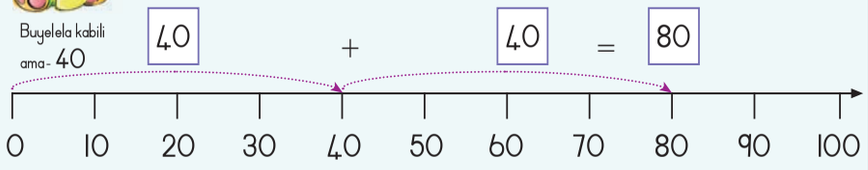


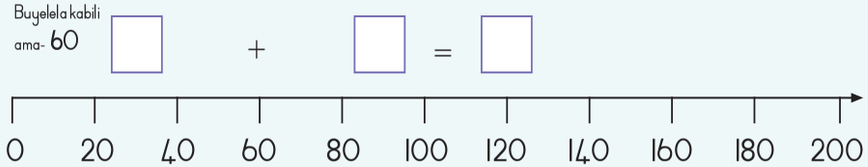
f.

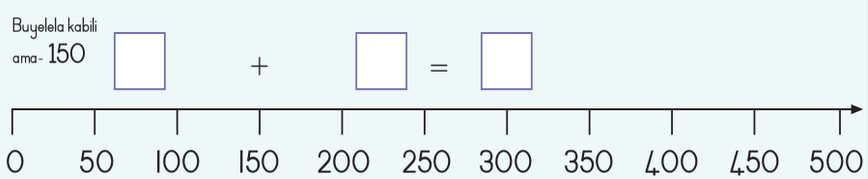


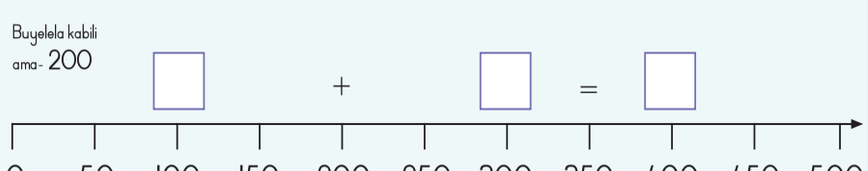


Buyelela kabili inomboro usebenzisa inambalayini.
Wenzelwe isibonelo. Isibonelo:











Qedelela okulandelako

a. Buyelela kabili u-100	200
b. Buyelela kabili u-150	
c. Buyelela kabili u-120	
d. Buyelela kabili u-200	
e. Buyelela kabili u-170	



Qedelela okulandelako

a. Hafula u-220	110
b. Hafula u-180	
c. Hafula u-260	
d. Hafula u-60	
e. Hafula u-320	



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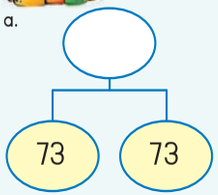
Ilanga:

.....

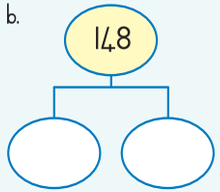
Okhunye ukubuyelela kabili nokuhafula

Fumana okubuyelelwe kabili namkha abohafu

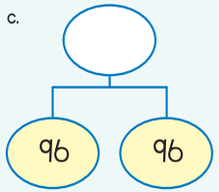
a.



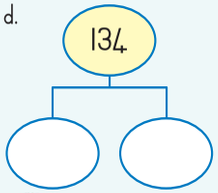
b.



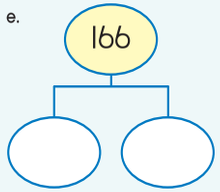
c.



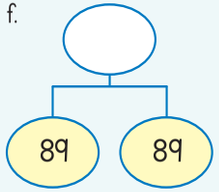
d.



e.



f.



Bulungela ibhayisigili

UPeter ubulunga i-R25 ngeveke kobana athenge ibhayisigili. Kufanele abulunge iimveke ezingaki?

Ipendulo: _____ iimveke

Yehlile R450

Ngehafu lenani: gade iyi-R900

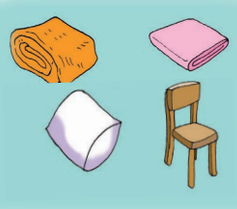


Zehlisiwe

Zoke izinto ziyathengiswa ngenani eliyihafu.
Tlola ipreyisi yokuthengisa ngeqadi kwenye nenye into.

a. Iingubo R190
Inani lokuthengisa_____

b. Amalageni R154
Inani lokuthengisa_____



c. Imisamelo R54
Inani lokuthengisa_____

d. Iintulo R220
Inani lokuthengisa_____

Maranda amangaki?


R135

UMusa ufuna irhembe. Unemali eyihafu kwaphela.
Ingabe usatlhayela ngamalini? R_____


R78,50

Amanyathelo kaPeter abiza ngokubuyelelwe kabili ukudlula lokhu.
Amanyathelo kaPeter abiza malini? R_____

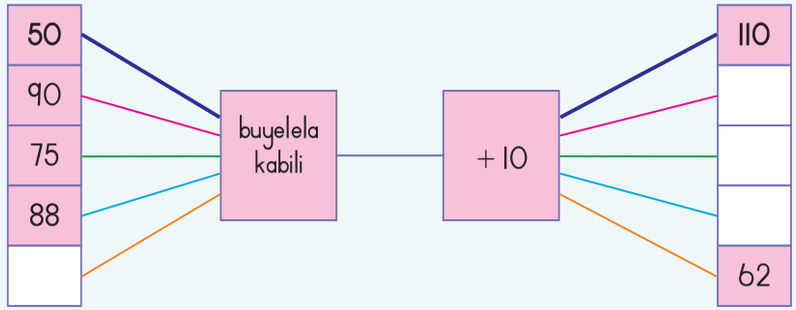

R97

Irogo lakaPhindi libiza kabili ngentengo ngaphezulu yalokhu.
Irogo lakaPhindi libiza malini? R_____

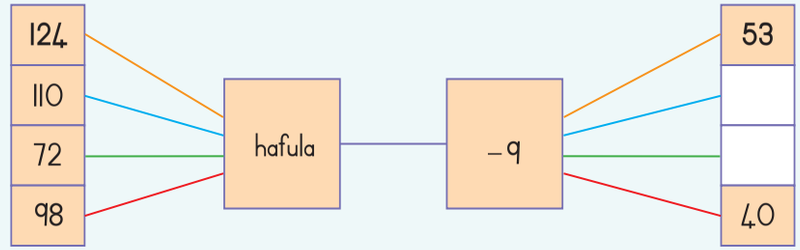
Ngikuphi okungena ngaphakathi? Ngikuphi okuphumela ngaphandle?

Landela isibonelo. Zalisa iinomboro ezitlhayelako.

a.



b.



Teacher:
Sign:
Date:

Ilanga:

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Ilanga:

Ukuhlela ngokweenqhema nokuhlanganisa

Hlela abentwana ngokweenqhema

UKkz. Ndaba ufuna ukwehlukanisa itlasi ngobukhulu obulinganako beenqhema ulungiselela imidlalo yangaphandle. Kokuthoma uhlela abentwana ngeenqhema zangaba-4.



a. Bala abentwana

b. Wenza iighema ezingaki?

Tjhega. Madanisa. Lungisa.

c. Tjengisa zoke ezinye iindlela uKkz. Ndaba angazisebenzisa ukuhlela abentwana ngeenqhema?

_____

_____

_____

_____

Zingaki izembatho?



UPhindi uneenrhembhe ezi-5 ezinombala begodu namabhrugu amafitjhani anombala ama-5. Zizembatho ezingaki ezihlukileko akghona ukuzenza asebenzisa ihlanganisela ehlukileko yemibala?

Isibonelo: Irhembhe ehlaza kwesibhakabhaka/ibhrugu elifitjhani elihlaza kwesibhakabhaka. Irhembhe ehlaza kwesibhakabhaka/amabhrugu amafitjhani a-orontji.

Tlola iledere lokuthoma lombala ngamunye. Tjengisa zoke ezinye izembatho ezingenzeka.

_____

_____

_____

_____

_____

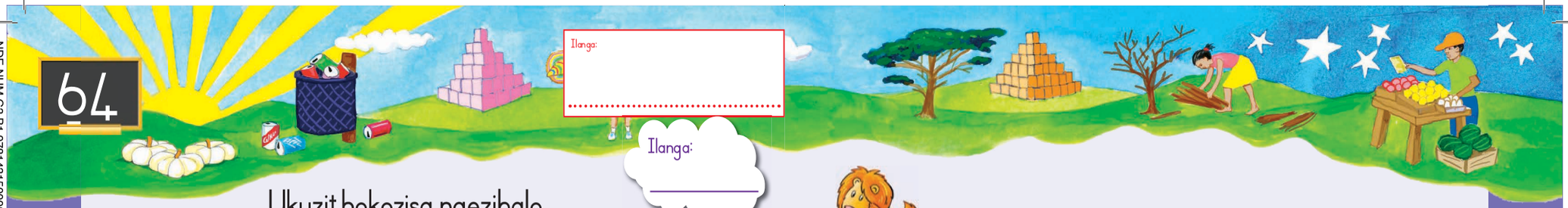
Funisela: Kungaba njani nakhibe uPhindi uneminye imibala esi-6 ehlukileko yeenrhembhe namabhrugu amafitjhani?

Angakghona ukwenza izembatho ezingaki?

Tjhega. Madanisa. Lungisa.

Teacher:
Sign:
Date:

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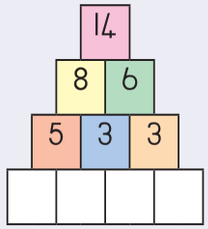


Ukuzithokozisa ngezibalo

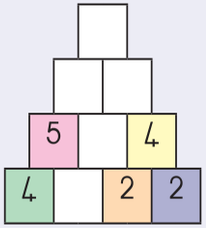


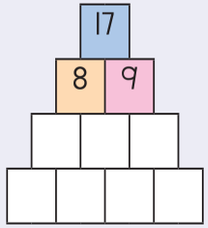
Qala umthetho

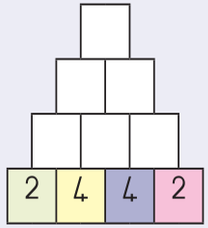
Sebenzisa umthetho ukufunyana iinomboro ezitlhayelako.



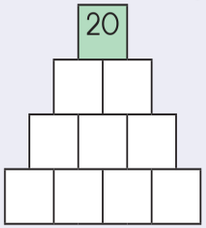
Kwanje yenza lokhu.

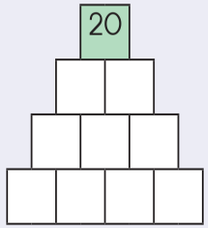


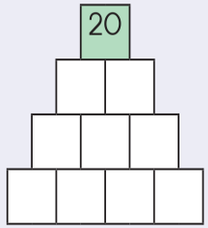




Yakha ufike ema-20 ngeendlela ezahlukeneko.









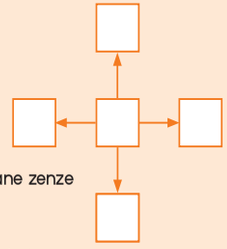
Iselele



Sebenzisa iinomboro-1, 2, 3, 4 naku-5.

Iinomboro ezi-3 ereyini ngayinye kufanele zihlangane zenze i-10.

Umthetho: Sebenzisa inomboro eyodwa kanye kwaphela.





Fumanani iinomboro

a. Umthetho: Iinomboro ereyini ngalinye kufanele zihlanganiswe ukufika e-16.

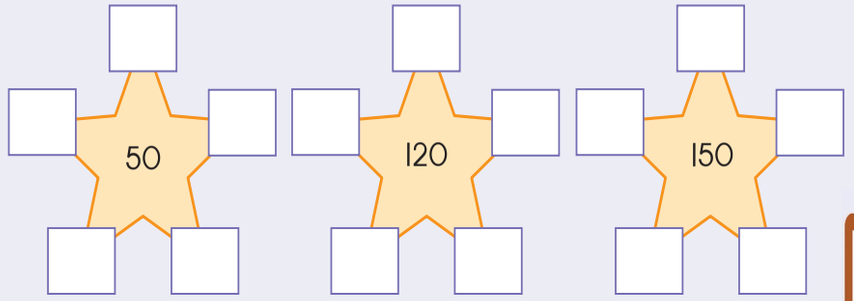
2	5	3	6
			2
		2	

b. Umthetho: Iinomboro ezi-3, ezivundla emareyini naziya phasi ngamakholomu, zihlanganiswe ithothali efanako.

2	7	6
9		1
	3	8

23	28	21
12		26
	10	

c. Umthetho: Tlolani ezinye nezinye iinomboro ezi-5 ezihlanganiseka ukufika enomborweni ephakathi ngaphakathi kwekwekwezi.



Teacher:
Sign:
Date:

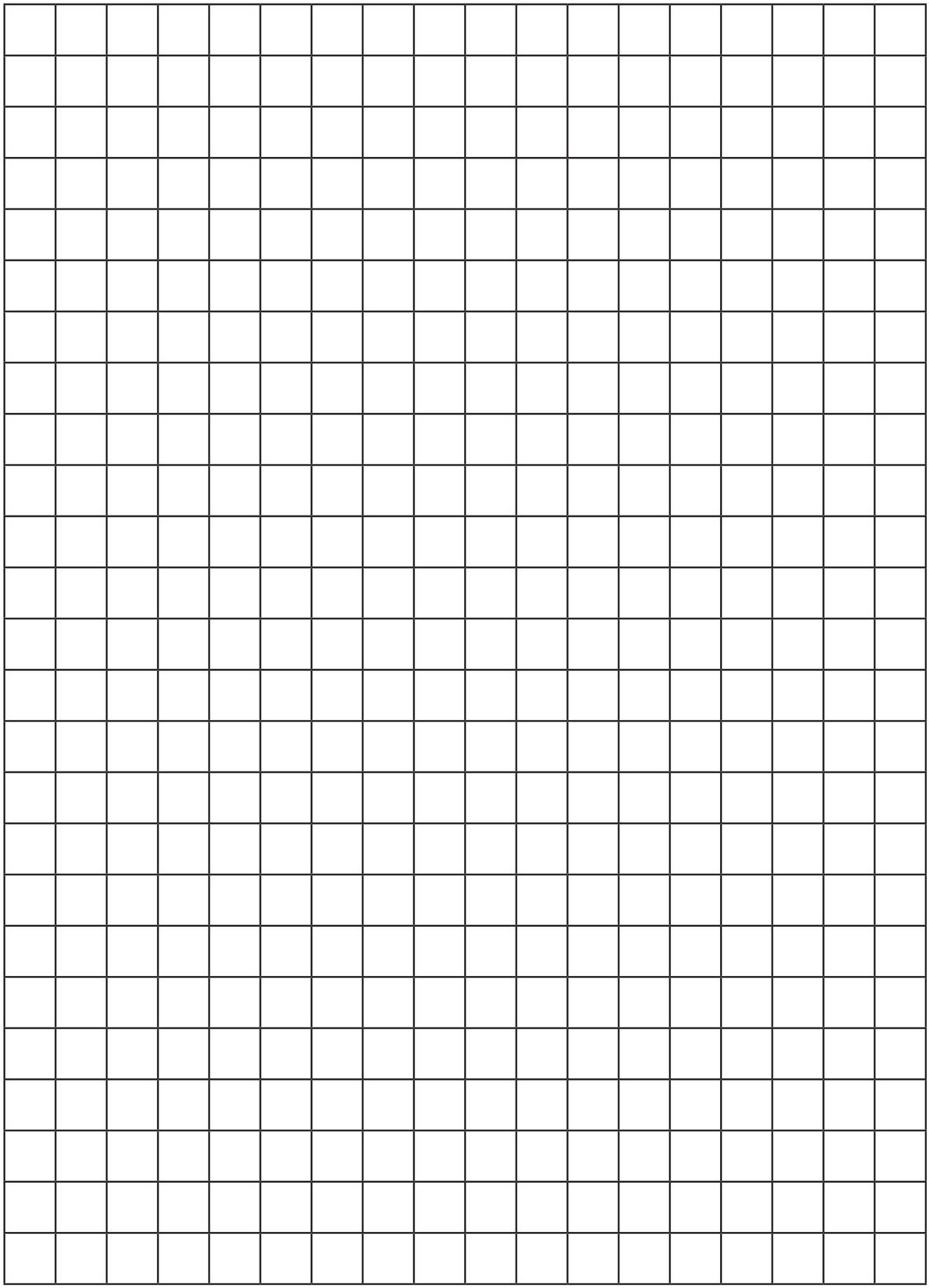
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1	1	0	1	0	0
2	2	0	2	0	0
3	3	0	3	0	0
4	4	0	4	0	0
5	5	0	5	0	0
6	6	0	6	0	0
7	7	0	7	0	0
8	8	0	8	0	0
9	9	0	9	0	0

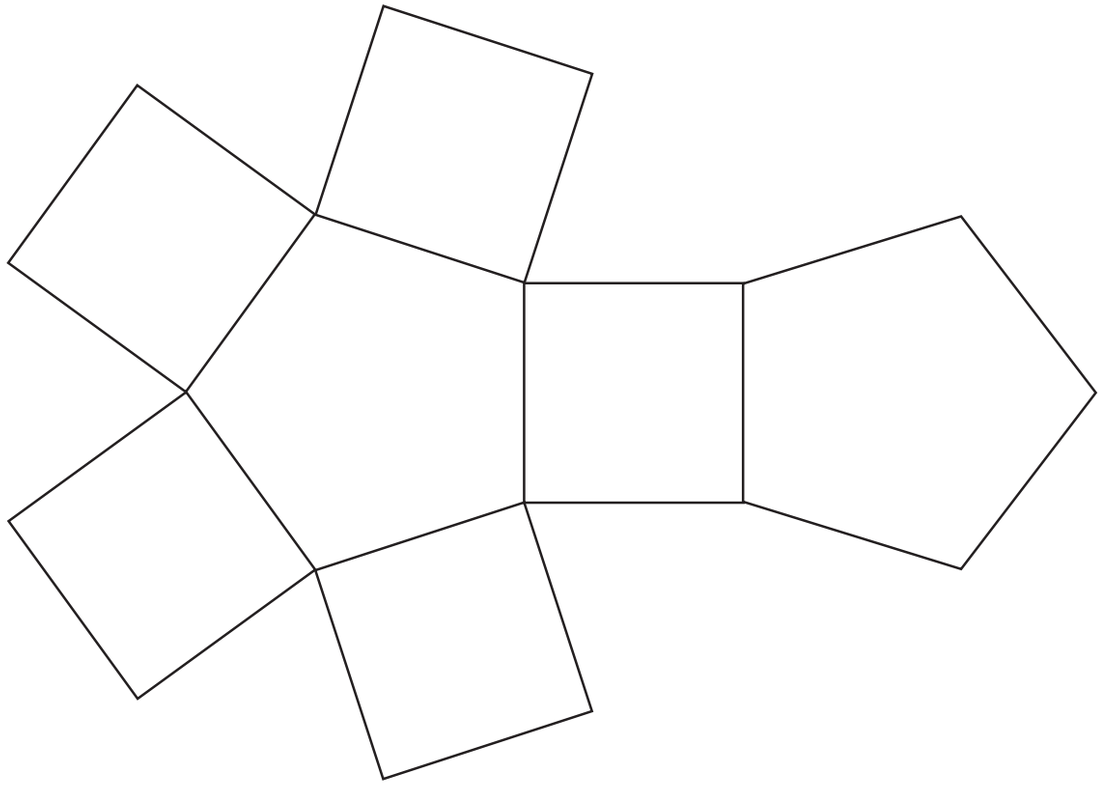
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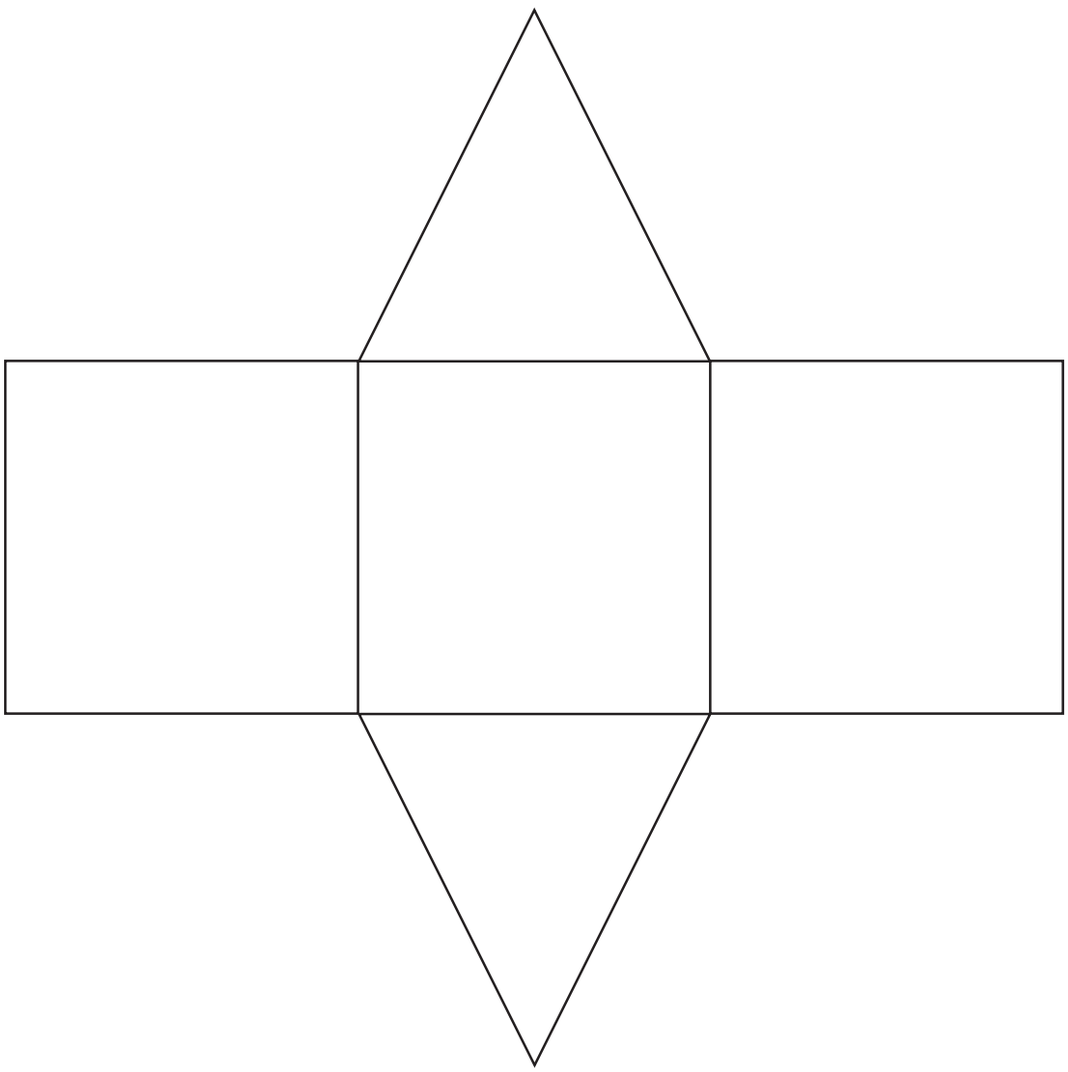
1	0	0	1	0	1
2	0	0	2	0	2
3	0	0	3	0	3
4	0	0	4	0	4
5	0	0	5	0	5
6	0	0	6	0	6
7	0	0	7	0	7
8	0	0	8	0	8
9	0	0	9	0	9

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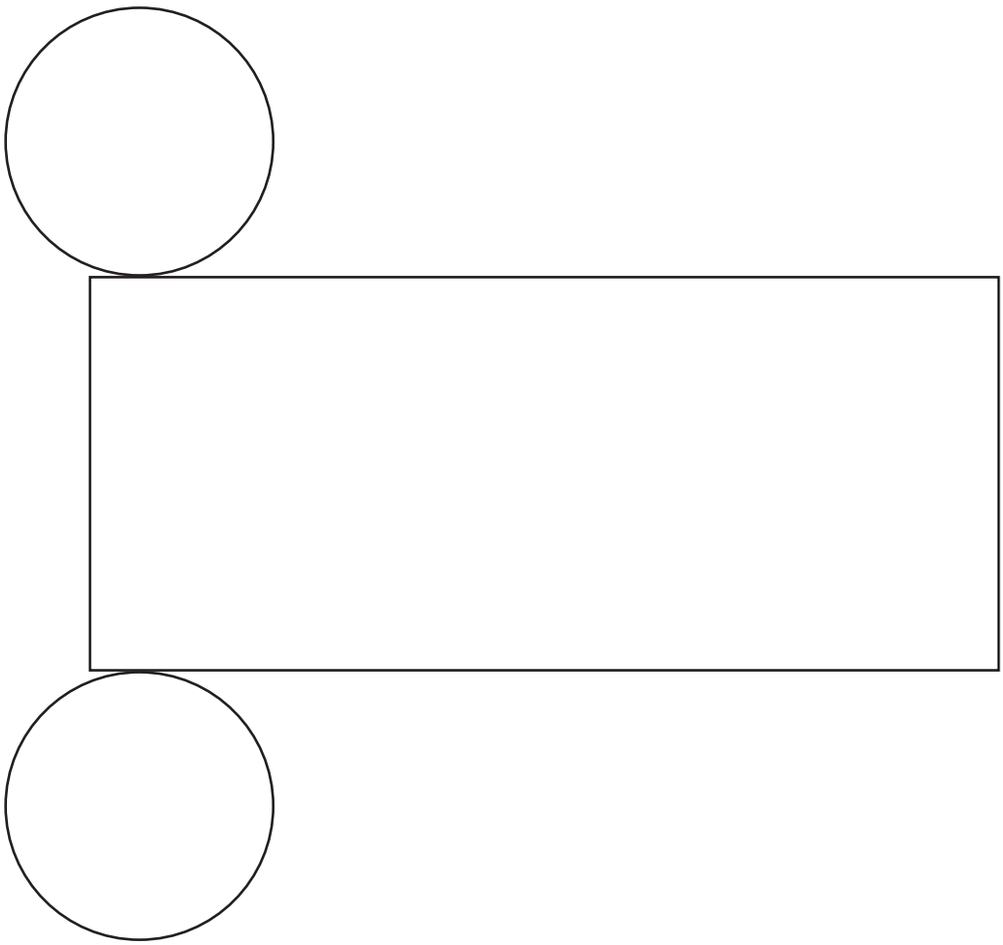


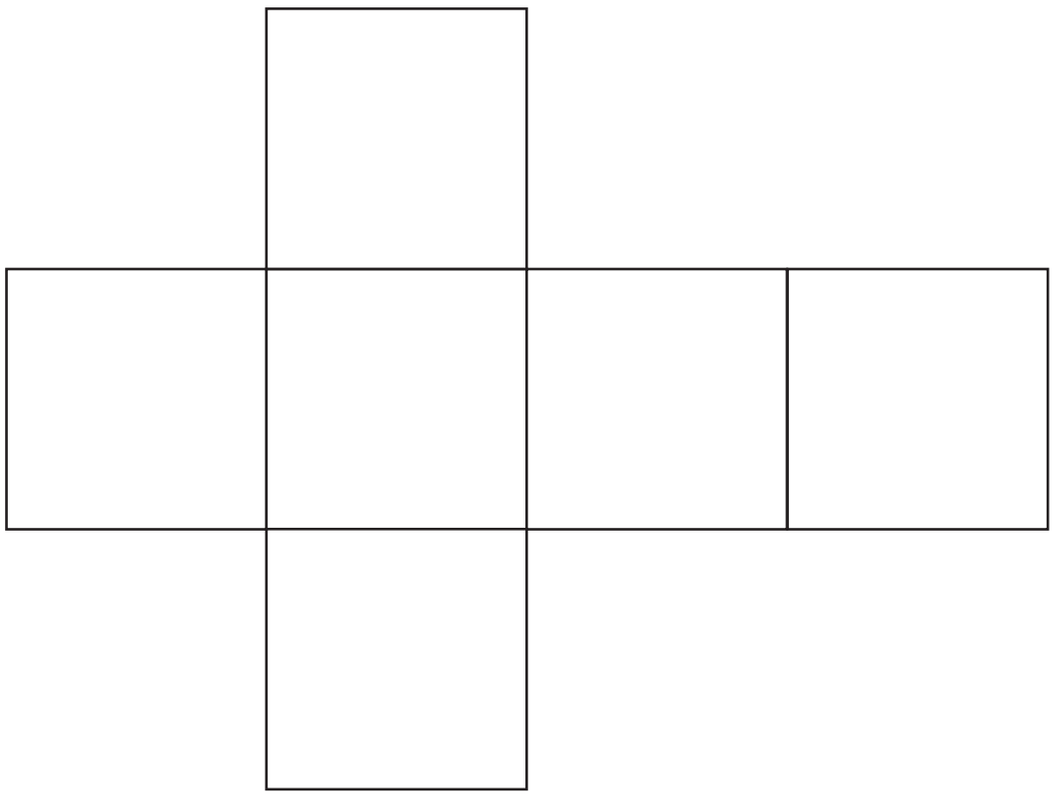
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