Ukufunda ngoMthethosisekelo weRiphabliki yeSewula (1996)

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

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

Kuqakathekile ukwazi izehlakalo zesikhathini esidlulileko.	Asingabuyeleli iimphoso zangesikhathi esidlulileko.	UMthethosisekelo usisiza ukucabanga nokwakha ilingomuso elingcono lethu soke.

Thina, abantu beSewula Afrika;

Siyakwazi ukungaphatheki kuhle kwethu ngokomthetho esikhathini esadlulako;

Siphathela phezulu abahlukunyezwa ngebanga lokobana kube nobulungiswa begodu nekululeko enarheni yekhethu;

Sihlonipha labo abasebenze ekwakheni begodu nekuthuthukiseni iphasi lekhethu;

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

Ngalokho-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 lapha umbuso unzinze khona phezu kwentando yesitjhaba begodu nalapha zoke izakhamuzi zivikeleke khona ngokomthetho.

Ukwenza ngcono izinga lepilo yazo zoke izakhamuzi begodu nokuvezwa kwekghono lawo woke umuntu;

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

Funa ngekani amalungelo wakho njengesakhamuzi seSewula Afrika bewube nesibopho sokuvikela amalungelo wabanye abantu.	Ukwazi umThethomlingwa wamalungelo Kanye nomThethomlingwa 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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Incwadi 2
Ithemu 3 & 4

Ibizo:

Itlasi:

basic education
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UKkz. Angie Motshekga,
nguNqgonqgotjhe
weFundo-Sisekelo

Dorh. Reginah Mhaule,
nguSekela
kaNqgonqgotjhe
weFundo-Sisekelo

Iincwadi lezi zenzelwe abantwana beSewula Afrika ngaphasi koburholi bakaNqgonqgotjhe wezeFundo-Sisekelo uMma u-Angie Motshekga, kanye neSekela lakhe Dorh. Reginah Mhaule.

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.

Published by the Department of Basic Education
222 Struben Street
Pretoria
South Africa

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Eleventh edition 2021

ISBN 978-1-4315-0140-3

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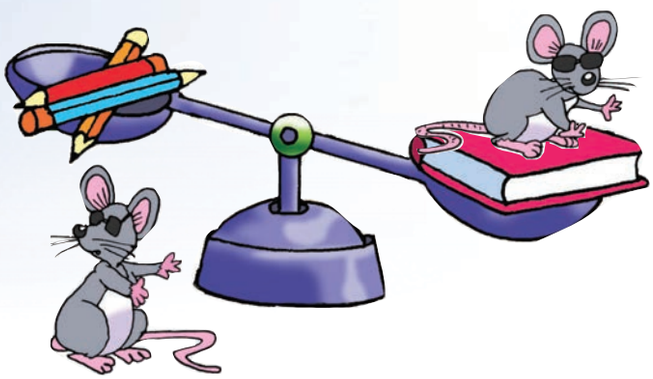


ISINDEBELE

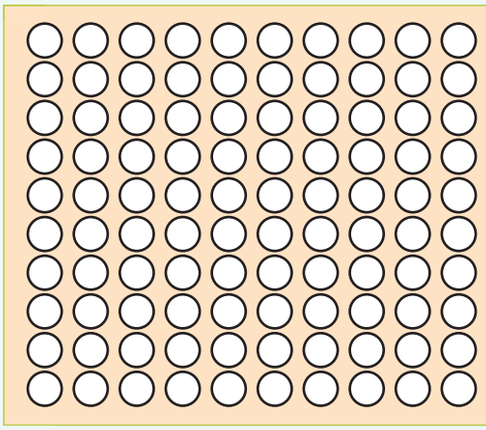
Incwadi 2

65

Iinomboro 50 – 99

Ilanga:

Khalara ngaphakathi kweeyingi ezi-58.



5 0

8

Tlola ipendulo. Isibonelo sokuthoma sizokuhlahla.

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

Tlola iimpendulo zemibuzo engehla ngamagama:

amatjhumi asithandathu nobunane

NDE MAT G2 B2 9781431501403.indb 2 2014/07/04 1:44 AM

Tlola iinomboro ezimbili ezincani neenomboro ezimbili ezikulu kunaleyo enikelweko.

Ncani kuna-		Inomboro	Khulu kuna-	
		55		
		63		
		88		
		95		
		71		

Qedelela amanambalayini alandelako.

80 81 82 ☐ ☐ ☐ 86 87 ☐ 89 90

60 59 58 ☐ ☐ ☐ ☐ ☐ ☐ ☐ 50

67 68 69 ☐ ☐ ☐ 73 74 ☐ ☐ 77

Sika iinomboro ezintathu ezihlangana kwama-50 kanye nama-99 kumamegazini. Zinamathisele lapha.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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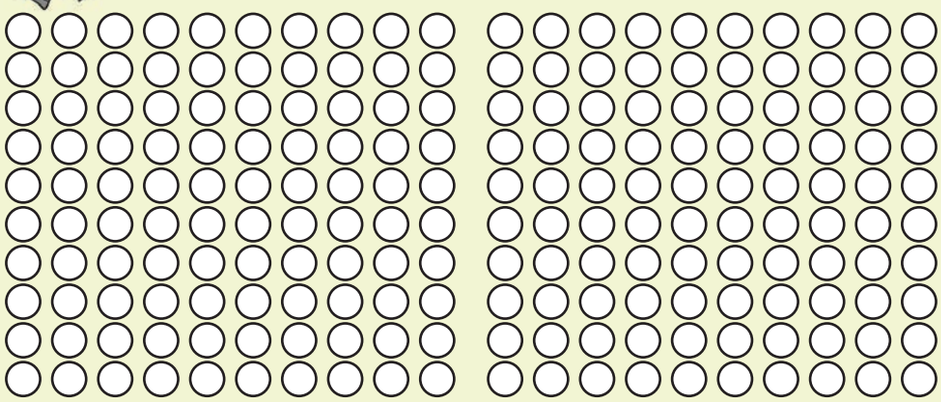
66

Iinomboro 100–150

Ilanga:

Khalara ngaphakathi kwesiyingi se-139.



100

30

9

Tlola inomboro ejamele:

100 + 20 + 8 = 128	=	=
=	=	=

Ngiziphi iinomboro eziza hlangana:

103 na-105? _____

139 na-141? _____

120 na-122? _____

150 na-148? _____

146 na-148? _____

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Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu kunenomboro enikelweko.

Ncani kuna-		Inomboro	Khulu kuna-	
		123		
		145		
		108		
		141		
		134		

Qedelela amanambalayini alandelako.

150 151 ☐ 153 ☐ ☐ 156 ☐ ☐ ☐ 160

180 179 178 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

166 167 ☐ ☐ ☐ ☐ 172 ☐ ☐ 175 176

Sika iinomboro ezintathu ezihlangana kwe-100 kanye ne-150 emagazinini nanyana ephephandabeni. Nawungazifunyaniko iinomboro lezo, sika amadijidi ukuzakhela iinomboro ezintathu. Zinamathisele lapha ukusuka kencani khulu kuye kekulu khulu.

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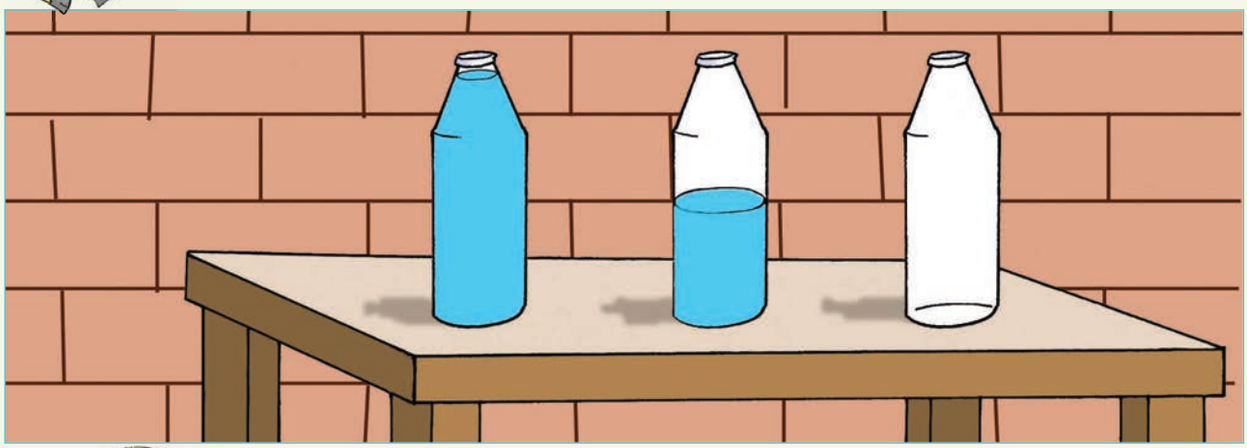
67

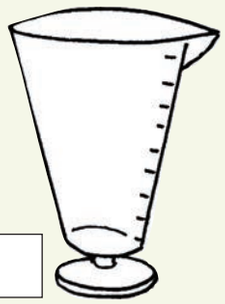
Zeleko, isikhekhe, akunalitho

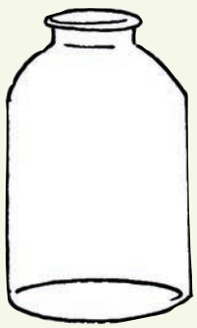
Ilanga:

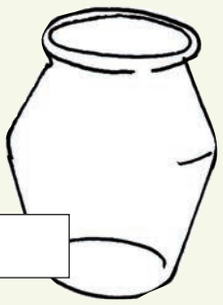
Khulumani ngamabhodlelo aphezu kwetafula lakatitjhere.



Yitjho nangabe isimumathi sizele, sisikhekhe nanyana asinalitho.







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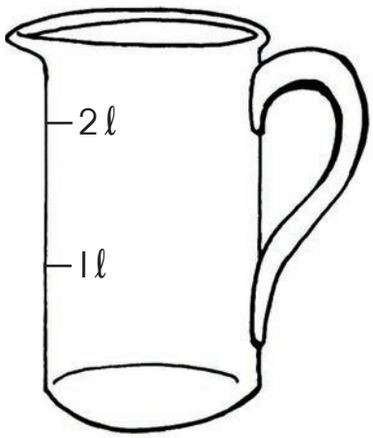
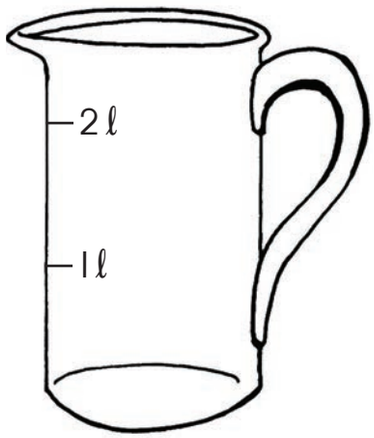
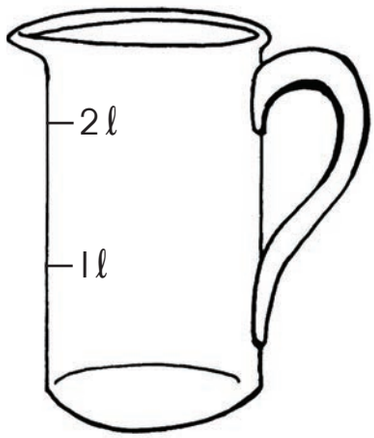
Khalara ukutjengisa kobana kunetlelezi elingangani ngesimumathini.

Kuzele	Sikhekhe	Akunalitho
		

Gwala iimumathi zakho. Gwala iimumathi ezintathu ezifanako. Isimumathi ngasinye singamumatha amalitha ama-4. Kutjengise lokho. Tjengisa.

Kuzele	Sikhekhe	Akunalitho

Ngisiphi isimumathi esimumatha itlelezi elinengi?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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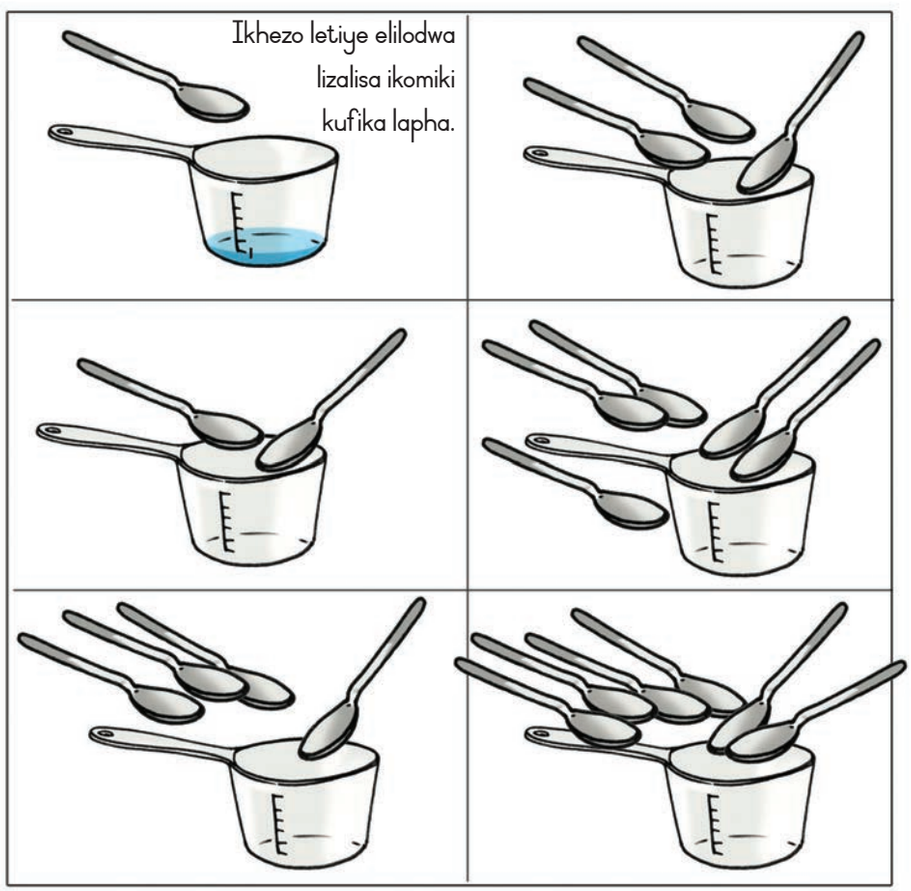
68

Ilanga:

Okhunye ngeemumathi nomthamo

Qala iinthombe. Abentwana benzani?

Amakhezo azokuzalisa ijege kufikela kuphi? Khalara.



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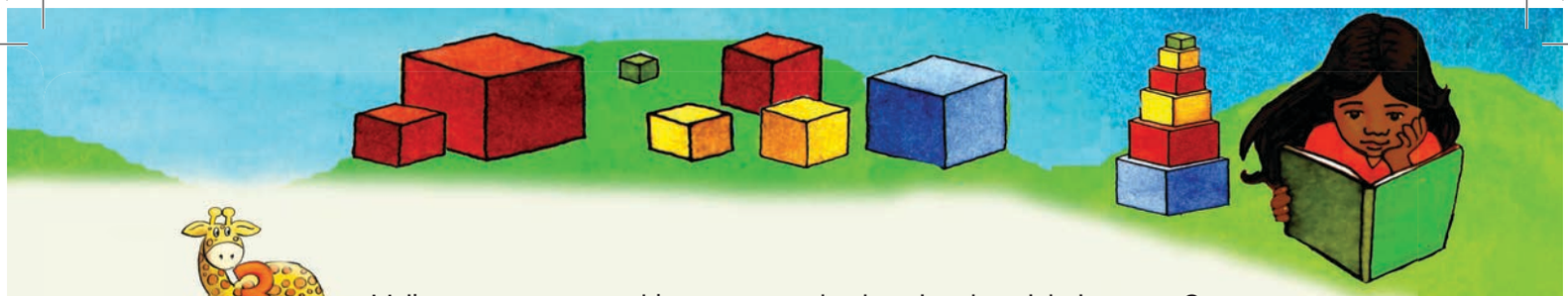

Utlhoga amanye amakhezo amangaki ukuzalisa ikopi lokulinganisa?

Ugogo usebenzisa amakomitji amabili webisi ukwenza iphudinghi. Nange ugogo abuyabuyelela kabili iresiphi, uzokuthloga ibisi elingangani?

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

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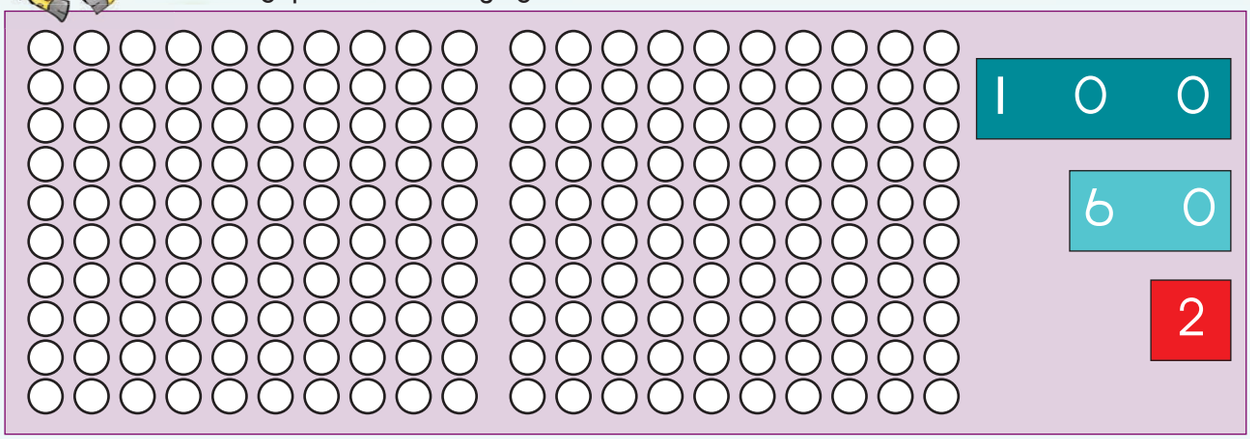
69

Iinomboro 150 – 170

Ilanga:

1 Khalara ngaphakathi kwesiyingi se-162.



2 Tlola inomboro ejamele:

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

3 Tlola enye nenye inomboro ehlangana:

150 na-155 _____

158 na-162 _____

170 na-165 _____

163 na-167 _____

172 na-166 _____

NDE MAT G2 B2 9781431501403.indb 10 2014/07/04 1:44 AM

Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu kunenomboro enikelweko.

Ncani kuna-		Inomboro	Khulu kuna-	
		155		
		168		
		151		
		162		
		160		

Qedelela amanambalayini.

150 151 152 ☐ ☐ ☐ ☐ 157 158 ☐ ☐

154 155 156 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

160 ☐ 162 ☐ 164 165 ☐ ☐ ☐ ☐ 170

Sika iinomboro ezintathu ezihlangana kwe-150 kanye ne-170 emagazinini nanyana ephephandabeni. Zinamathisele lapha ukusuka kencani khulu kuye kekulu khulu.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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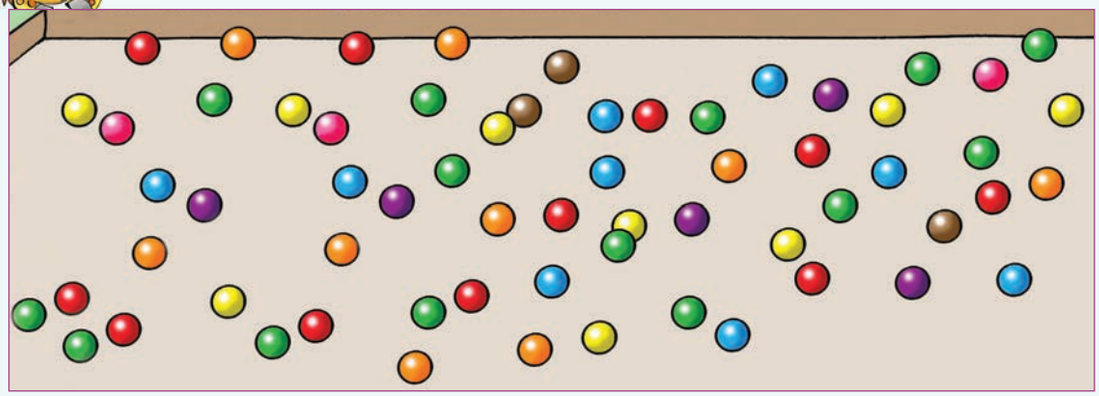
70

Ukubala nokulinganisa (0 – 100)

Ilanga:

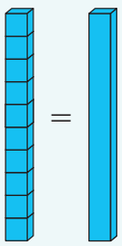
Linganisa bese ubala umncamo.

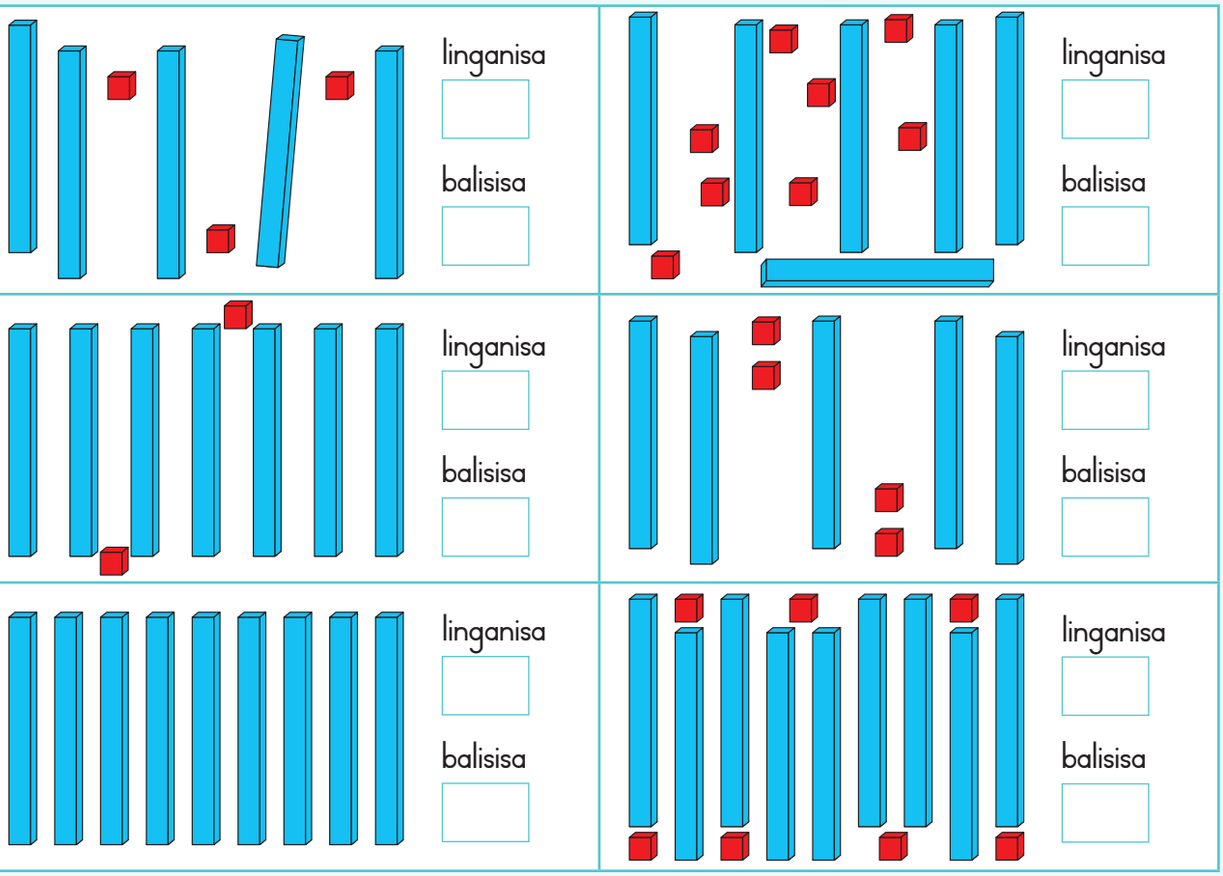


linganisa

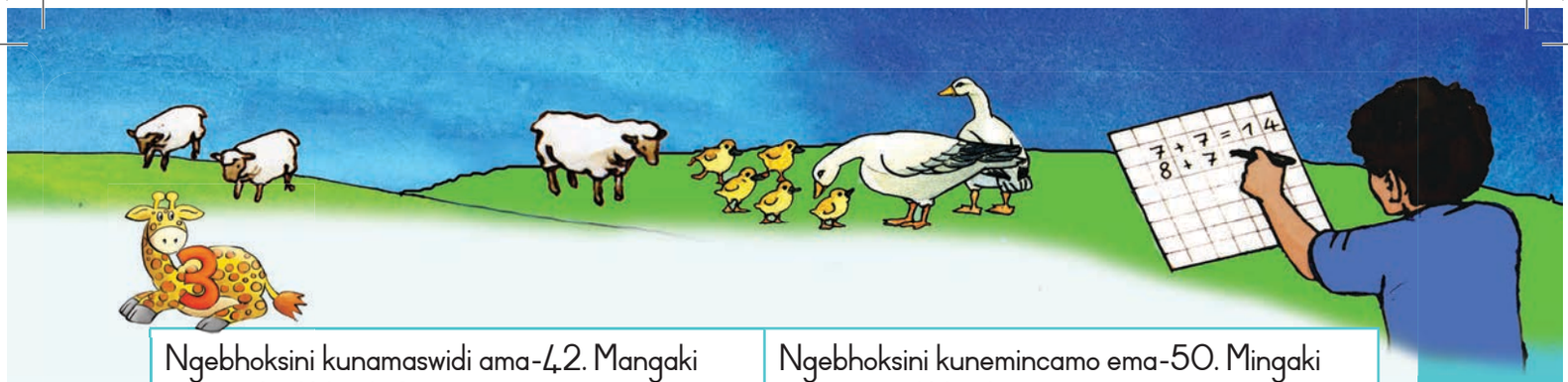
balisisa

Ngesimumathini kunamabhoksi ali-10.
Linganisa bese uyabala.



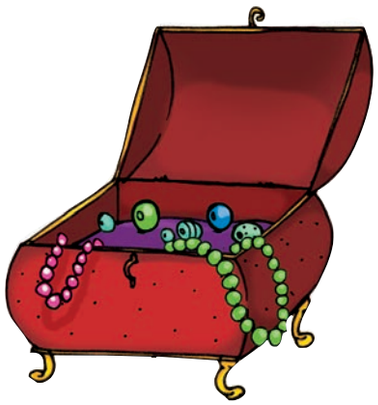


NDE MAT G2 B2 9781431501403.indb 12 2014/07/04 1:44 AM



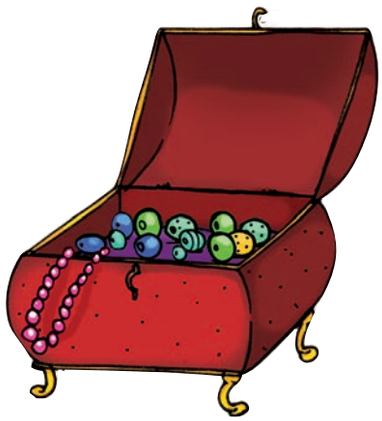
Ngebhoksini kunamaswidi ama-42. Mangaki amaswidi afihliweko?

Ngebhoksini kunemincamo ema-50. Mingaki imincamo efihliweko.



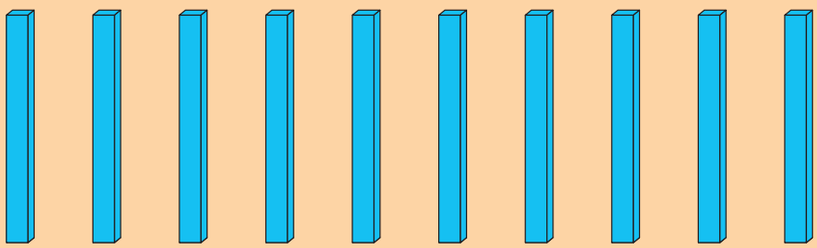
Ngebhoksini kunamaswidi ama-78. Mangaki amaswidi afihliweko?

Ngebhoksini kunemincamo eli-100. Mingaki imincamo efihliweko.



Ungakwenza ngokurhaba okungangani lokhu?

Isimumathi ngasinye singena iincwadi ezili-10. Kuneencwadi ezingaki ngaphakathi?



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Date:

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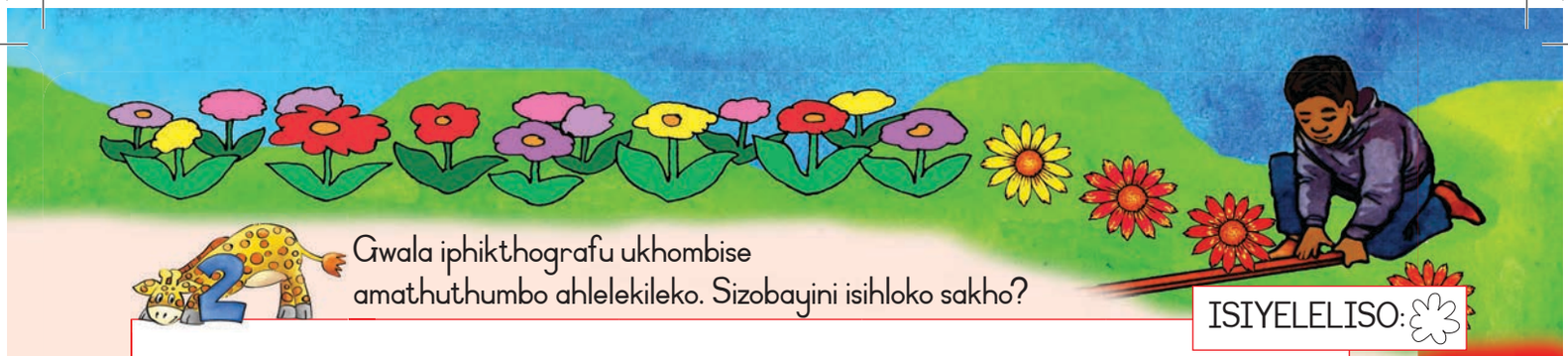
71

Eminye imininingwana

Ilanga:

Hlela amathuthumbo. Gwala umgwalo wakho. Tlola inani ngaphakathi.

NDE MAT G2 B2 9781431501403.indb 14 2014/07/04 1:44 AM



Gwala iphikthografu ukhombise amathuthumbo ahlelekileko. Sizobayini isihloko sakho?

ISIYELELISO:

Phendula imibuzo elandelako:

Kunamathuthumbo amangaki aphephuli lapha?

Kunamathuthumbo amangaki abovu lapha?

Kunamathuthumbo amangaki ahlaza kotjani lapho?

Kunamathuthumbo amangaki apinki lapha?

Kunamathuthumbo amangaki asarulana lapha?

Ngiliphi ithuthumbo elinombala ovamileko?

Ngiliphi ithuthumbo elinombala ongakavami?

Ngiwuphi umbala wethuthumbo owuthandako wena?

11 12 13 14 15 16 17 18 19 20

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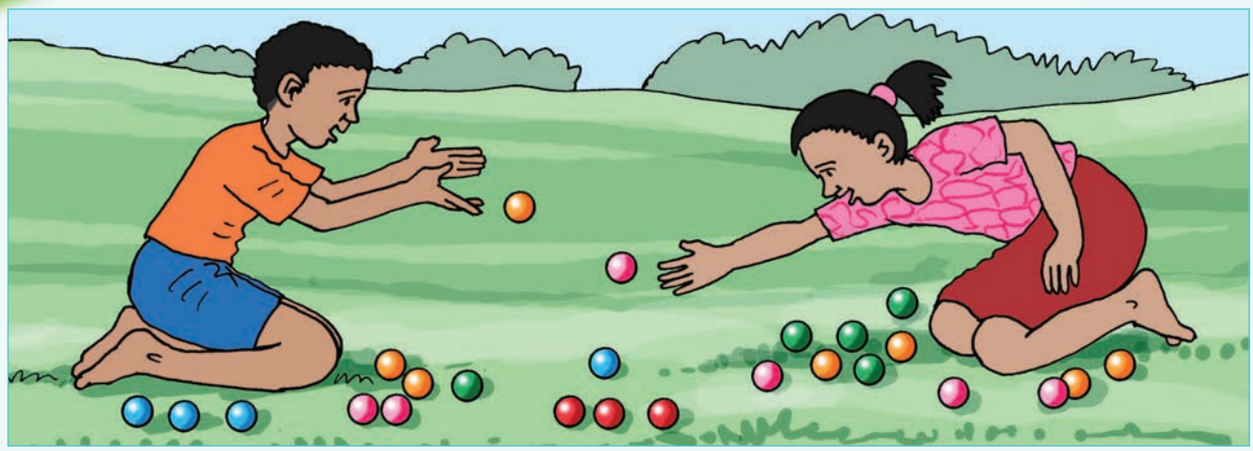
72

Ukuhlanganisa 0 – 50

Ilanga:



1

Qala esithombeni bese uhlanganisa amabula.

abomvu	+	ahlaza kwesibhakabhaka		+		=		
ahlaza satjani	+	ahlaza kwesibhakabhaka		+		=		
apinki	+	ahlaza kwesibhakabhaka		+		=		
ahlaza satjani	+	a-orontji		+		=		
abomvu	+	ahlaza satjani		+		=		

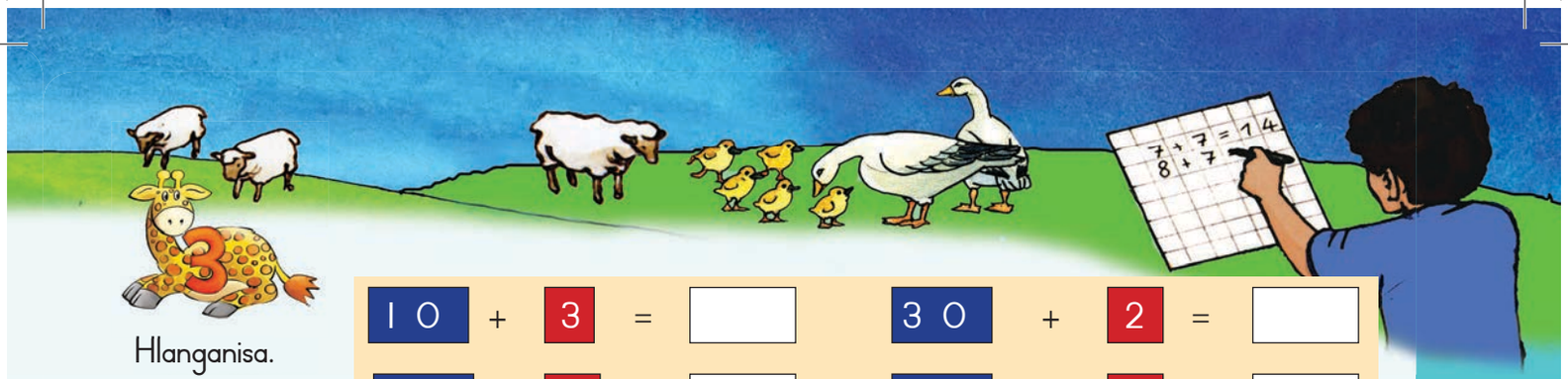
2

Madanisa amakarada neembalo ezinembako. Thala umuda osuka esibalweni uye emakaradeni anembako.

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

1 2 3 4 5 6 7 8 9 10

NDE MAT G2 B2 9781431501403.indb 16 2014/07/04 1:44 AM



Hlanganisa.

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

Hlanganisa.

16 + 13

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

24 + 12

4		2						
20	+	10	=			+		=	

37 + 11

7		1						
30	+	10	=			+		=	

25 + 23

5		3						
20	+	20	=			+		=	

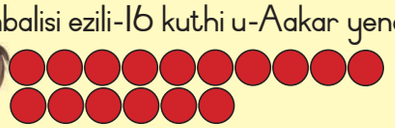
36 + 12

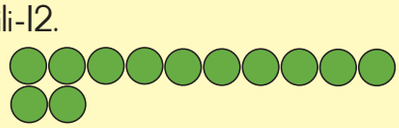
6		2						
30	+	10	=			+		=	

28 + 21

8		1						
20	+	20	=			+		=	

ULisa uneembalisi ezili-16 kuthi u-Aakar yena abenezili-12.





Zingaki sezizoke?

Teacher:
Sign:
Date:

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73

Ukuhlanganisa okungaphezulu

Ilanga:

Ithemu 3

Ibhlogo ngalinye linenani elingangani?

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

Hlanganisa.

12 + 11

□ □ + □ □

= □ + □ + □ + □

= □ + □

= □

23 + 41

□ □ + □ □

= □ + □ + □ + □

= □ + □

= □

Qedelela.

28	+	11	=	2 8	+	10	+	1	=	38	+	1	=	39
34	+	12	=	3 4	+	10	+	2	=		+		=	
43	+	23	=	4 3	+	20	+	3	=		+		=	
45	+	23	=	4 5	+	20	+	3	=		+		=	
56	+	11	=	5 6	+	10	+	1	=		+		=	

1 2 3 4 5 6 7 8 9 10

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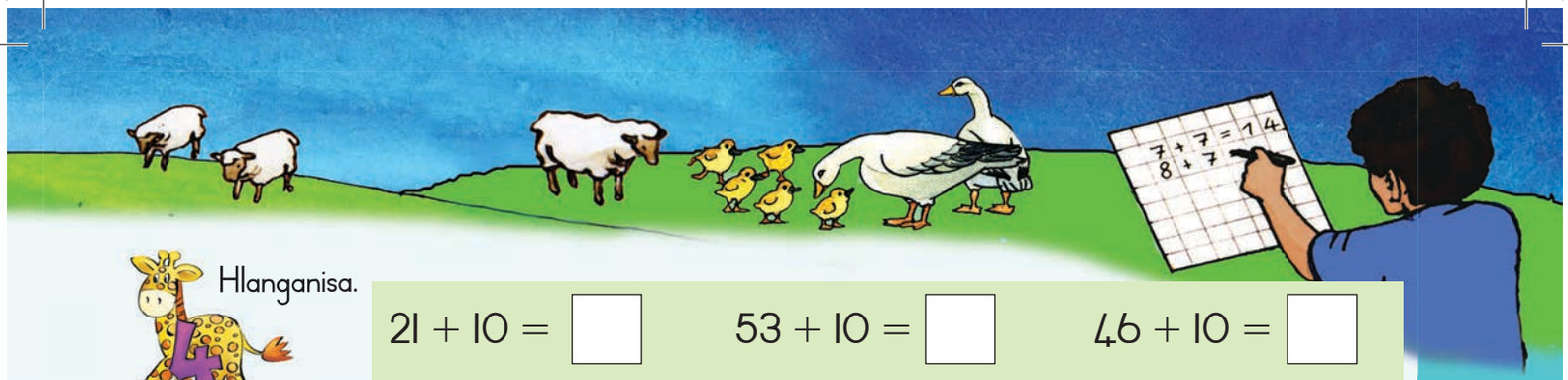
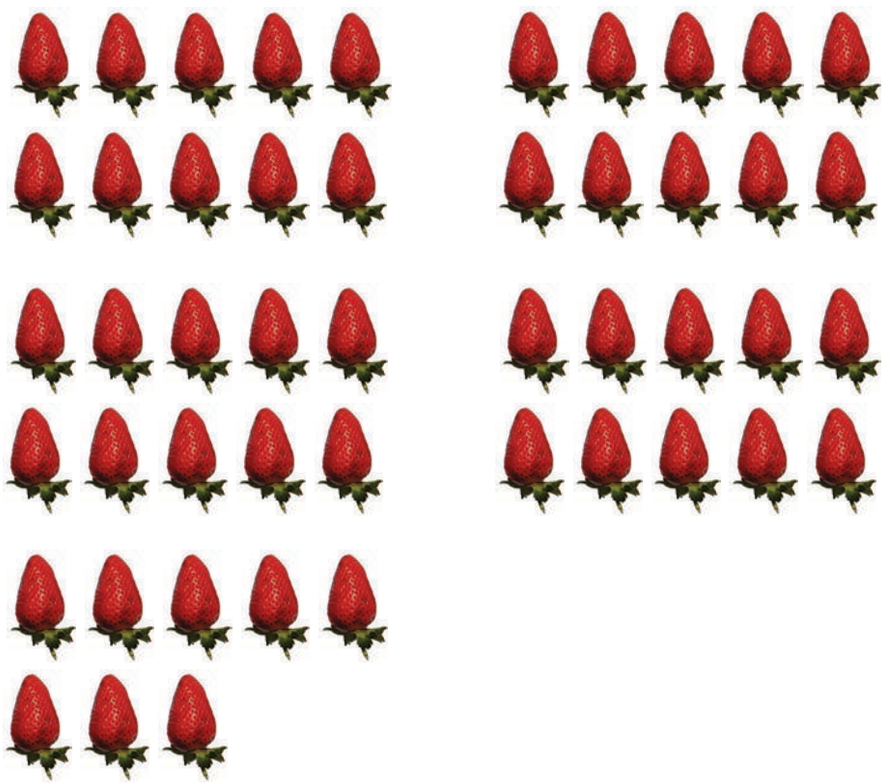


Hlanganisa.

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

Ithini ipendulo nawuhlanganisa ama-47 kanye nesi-6? ☐
Gwala isithombe ukuze utjengise ipendulo yakho.

Zenzele zakho iimbalo usebenzise iinthombe.



Teacher:
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Date:

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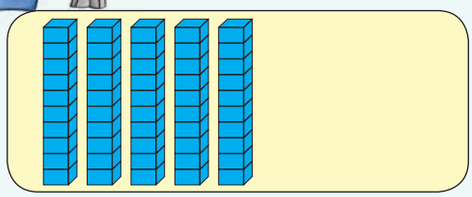
74

Ukuhlanganisa nokukhupha: 0 – 75

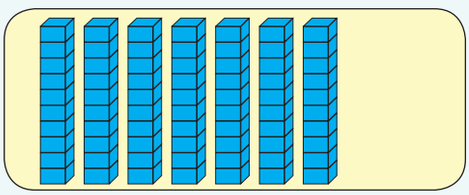
Madanisa amakarada. Gwala umuda usuke esibalweni uye ependulweni enembako.

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

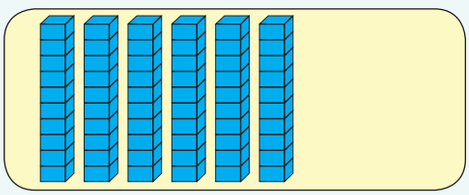
Tlola isibalo salokhu okulandelako bese uzaliselela ngependulo enembako.



___ + ___ = ___



___ + ___ = ___



___ + ___ = ___

Hlanganisa.

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

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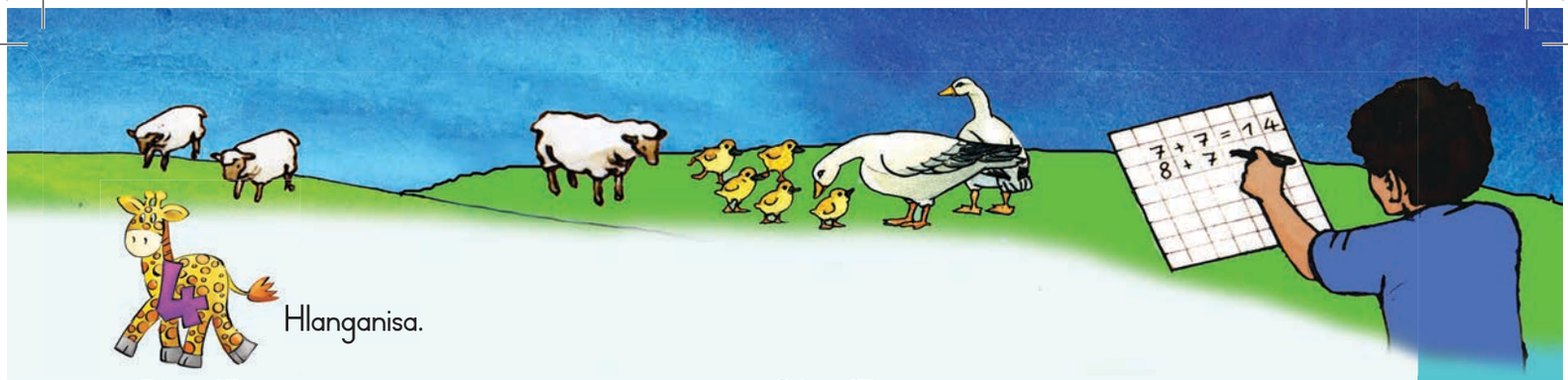

Hlanganisa.

56 + 15

56	+	15	=	71

34 + 17

	+		=	

48 + 13

	+		=	

63 – 41

	–		=	

75 – 51

	–		=	

72 – 49

	–		=	

Gwala isithombe utjengise kobana uMbali unamabhlogo ama-52, uZander una-36.

Lithini inani lamabhlogo nasele awoke? _____

Teacher:
Sign:
Date:

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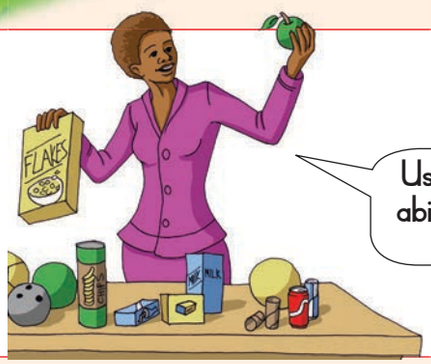
75

Iimbholo, amabhoksi kanye namasilinda

Ilanga:

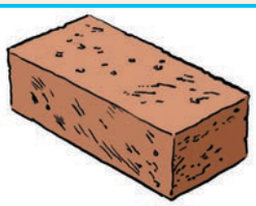


Usakhumbula kobana abizwani amabumbeko alandelako?

Amagama la angakusiza:

- amabhoksi
- iimbholo
- amasilinda

1 Thola iimbholo, amabhoksi kanye namasilinda bese utlola ibizo ngaphasi kwelinye nelinye ibumbeko.



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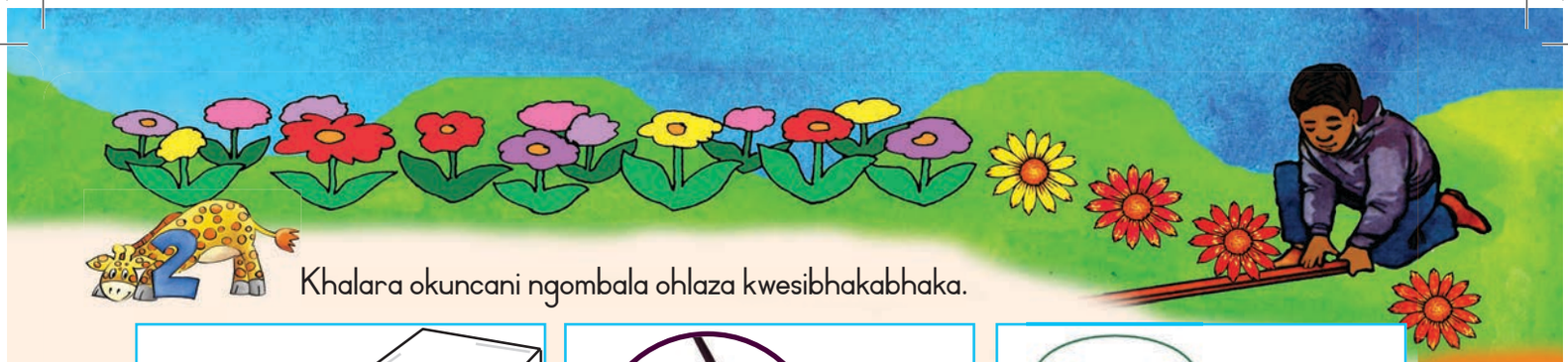
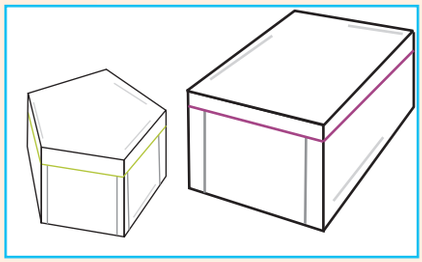
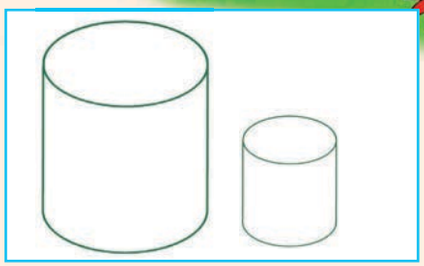


2 Khalara okuncani ngombala ohlaza kwesibhakabhaka.



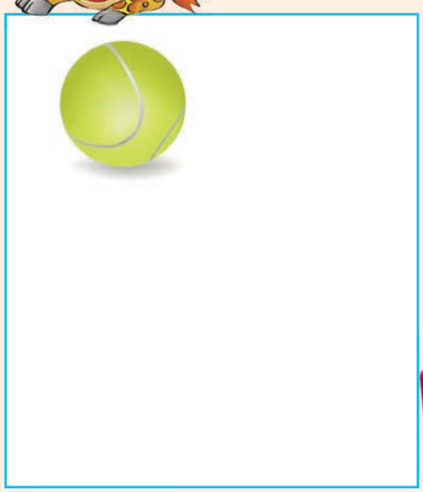
amabhoksi

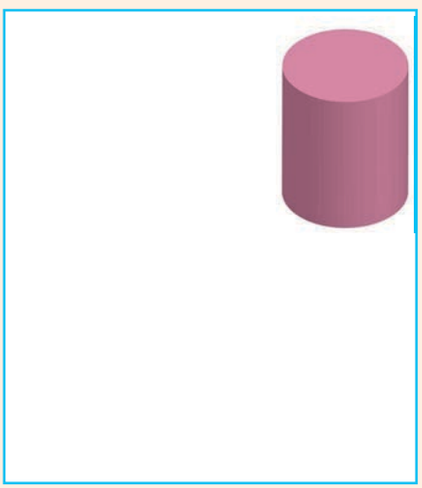
iimbholo



amasilinda

3 Gwala okukhulu.





4 Ufuna ukufaka isipho selanga lamabeletho sakamma wakho ngaphakathi kwesimumathi lesi. Kufanele uhlathululele umnikazi wesitolo kobana ufuna ini. Uzokuyihlathulula njani.

Teacher:
Sign:
Date:

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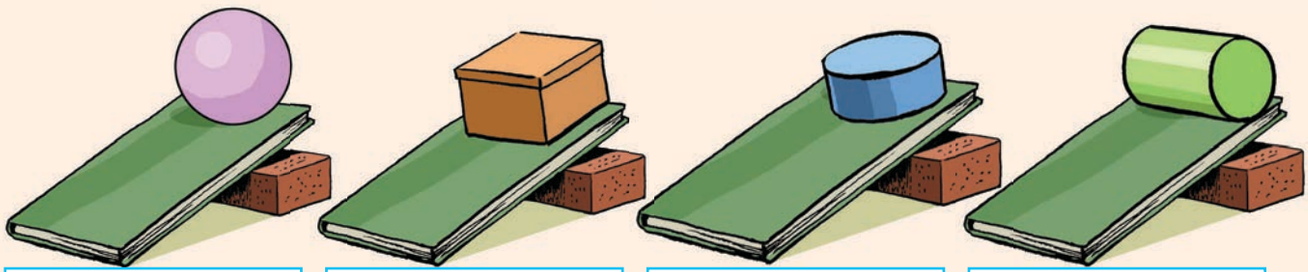
76 Iyatjhelela, iyindulunga, yakhiwe ngobujamo obuthathu bamabumbeko angu-D

Utitjhere wakho uzokwenza umsebenzi lo nawe ukuze ubone kobana lokhu okulandelako kuyanzinza na:

- Ibhoksi ngaphezulu kwelinye ibhoksi.
- Ibholo ngaphezulu kwebhoksi.
- Ibholo ngaphezulu kwebholo.
- Amabhoksi amabili ngaphezulu kwebhoksi elilodwa.

Amabhoksi, iimbholo nanyana amasilinda angagedeka nanyana angatjhelela. Utitjhere uzokunikela lokhu okulandelako ukuze kubonakale kobana kungagedeka nanyana kungatjhelela na. Ngemva kokwenza umsebenzi lowo, yitjho kobana into ngayinye izokutjhelela nanyana izokugedeka na.



Thola iinthombe ngaphakathi kwemegazini zezinto ezingagedeka nanyana ezingatjhelela.

ezigedekako	ezitjhelelako

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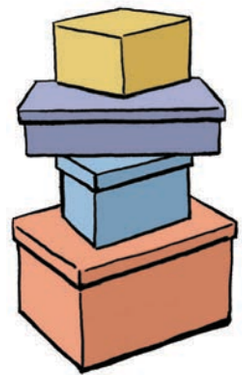
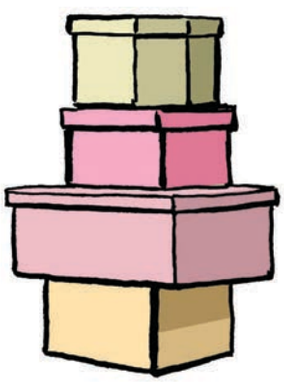
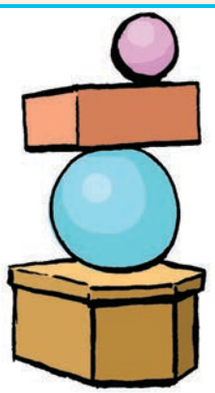
Utitjhere wakho ukunikele amabhlogo ukuze wakhe imibhotjhongo. Wena nomngani wakho nikhethe ukwakha imibhotjhongo ngamabhoksi kanye namasilinda. Nakhu ozolinga ukukwakha. Yitjho kobana uyaphumelela nanyana awuphumeleli.

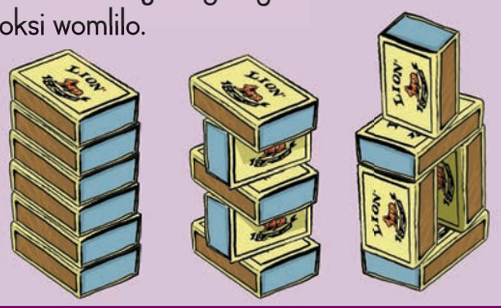


Lokhu kuzokusebenza





Okulandelako mibhotjhongo eyakhiwe ngamabhoksi womlilo.



Utlhoga:
Amabhoksi womlilo.

Uzokwenza ini?
Kwanje linga ukwakha umbhotjhongo omude ngamabhoksi womlilo ngaphandle kokusebenzisa isinamathelisi.

Teacher:
Sign:
Date:

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77

Ukuhlanganisa nokukhupha okungezelelweko 0 – 75

Ilanga:

1 Hlanganisa iinomboro ngebhlogweni ngalinye bese utlola ipendulo yakho.

50	50	40	30
2	7	4	8
20	10	10	20
3	2	3	1

2 Hlanganisa usebenzise indlela yakho.

52 + 21

43 + 28

3 Qedelela.

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

4 Hlanganisa.

41 + 10 = ☐ 44 + 10 = ☐ 71 + 10 = ☐

5 Nawuhlanganisa ama-36 kanye nama-24 ipendulo_____
Gwala isithombe utjengise ipendulo yakho.

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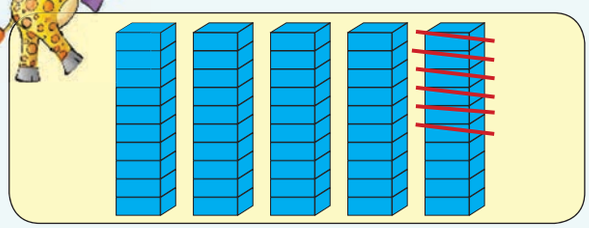
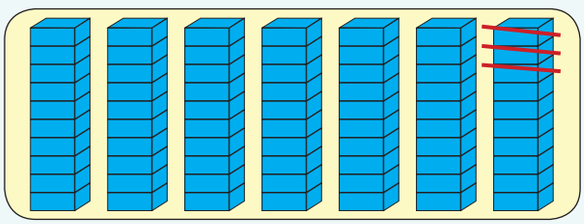
6 Khupha iinomboro ezingaphasi kezingaphezulu.

5 70	2 60	7 50	9 30
3 40	1 20	6 10	5 10

7 Tlola inani lokulandelako.





[ ] − [ ] = [ ]

[ ] − [ ] = [ ]

8 Khupha:

65 – 23

72 – 29

9 Khupha:

61 – 10 = [ ]

42 – 10 = [ ]

37 – 10 = [ ]

10 Yenza umgwalo: UPalesa gade anamamabula ama-62 walahlekelwa ngama-21.

Kusele amamabula amangaki? ____

Teacher:
Sign:
Date:

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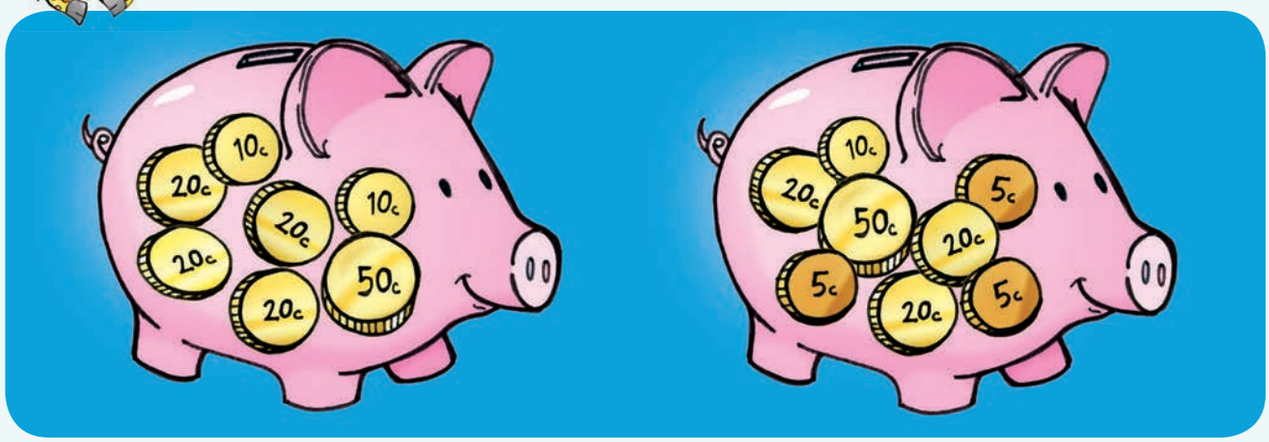
78

Ilanga:

Imali

Kunani ngaphakathi kwebhanga lengulutjana?



Sebenzisa imali emumuwa kibosika besi-3 bese unamathisela inani elinembako lemali lapha.

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

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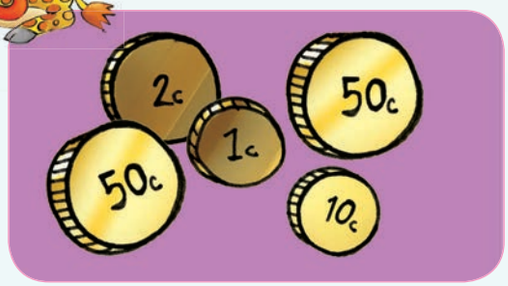
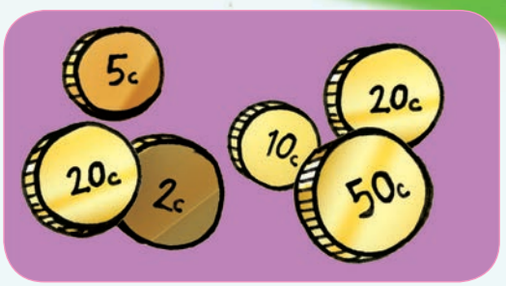
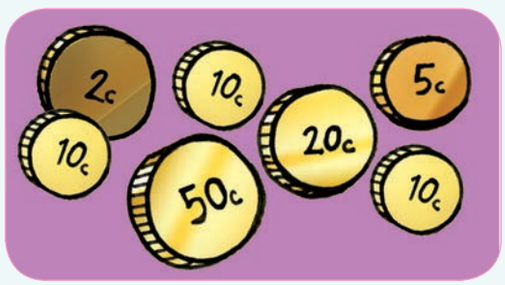
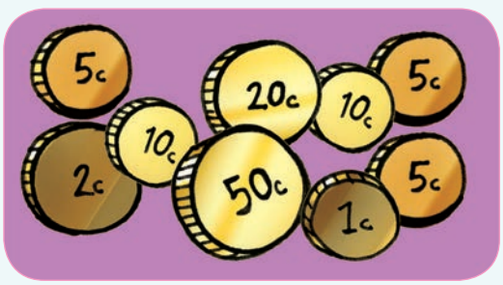
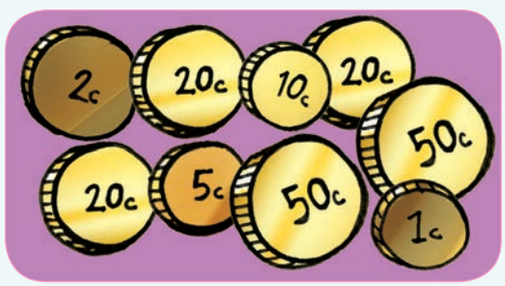
Zingaki iinsende?

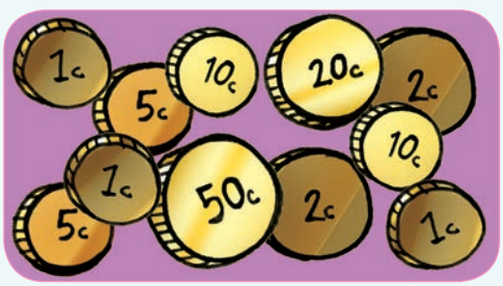












Iimbalo zamagama:

Ngine-100c. Ubaba unginikela amanye ama-50c.
Senginamalini?
Gwala isithombe ukuze utjengise ipendulo yakho.

Ngine-170c. Ngithenga iswidi elibiza ama-100c.
Ngisele namalini?
Gwala isithombe ukuze utjengise ipendulo yakho.

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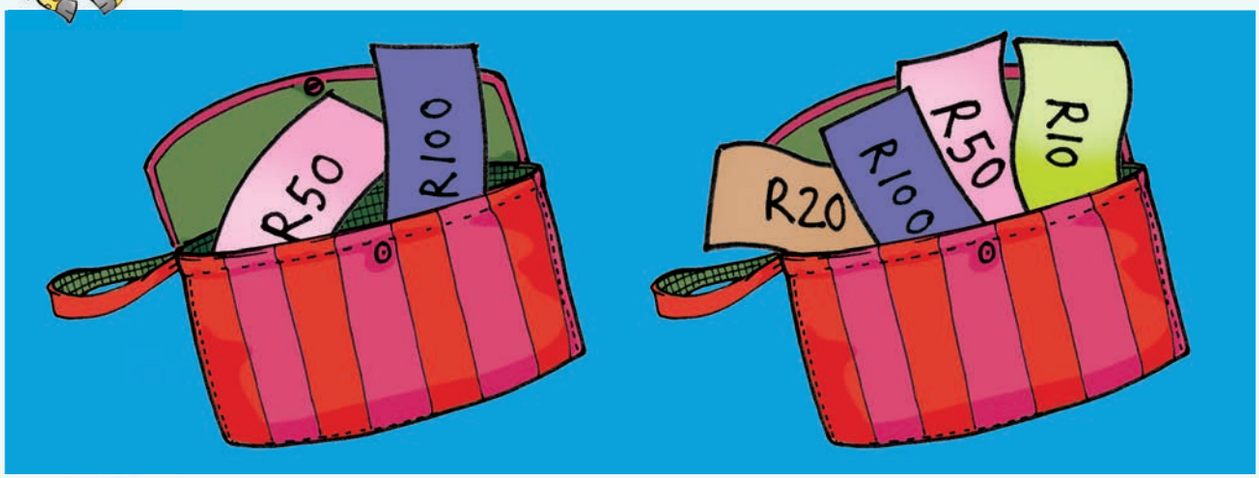
79

Imali emaphepha

Ilanga:

1 Yimalini engepheseni yami?



2 Sebenzisa imali yamaphepha kibosika besi-3 bese unamathisela inani elinembako lemali lapha.

1 2 3 4 5 6 7 8 9 10

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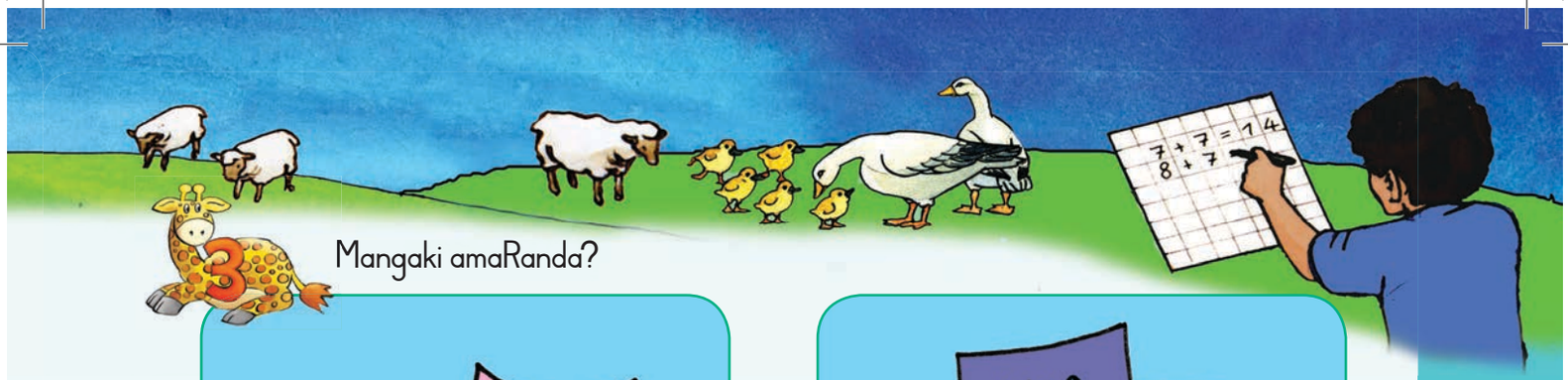
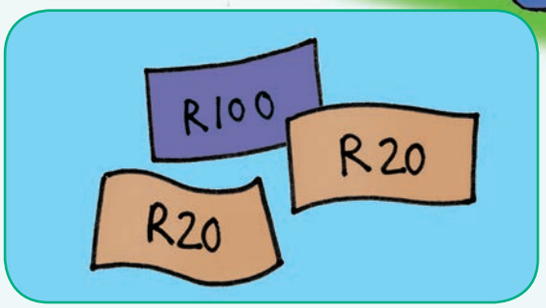
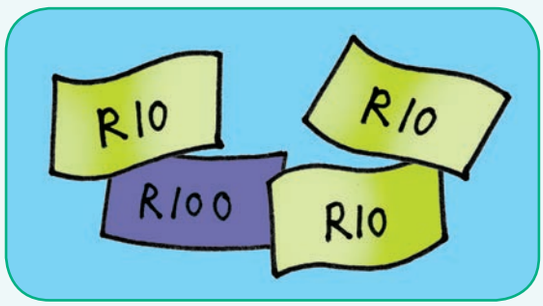
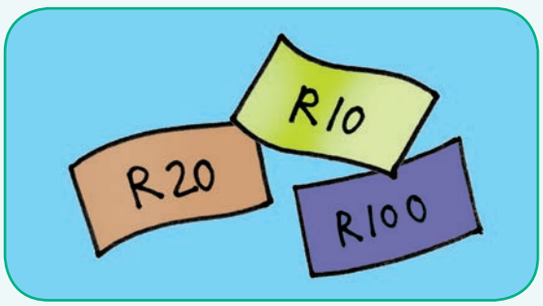
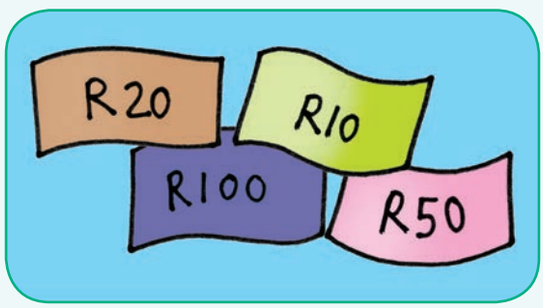


Mangaki amaRanda?









Iimbalo ngamagama:

Umnakwethu une-R100. Mina nginama-R50. Udadwethu omncani unama-R20. Sisoke sinamalini?

_____

Ngine-R160. Ngithenga irhembe nga-R50. Ngisele ngamalini?

_____

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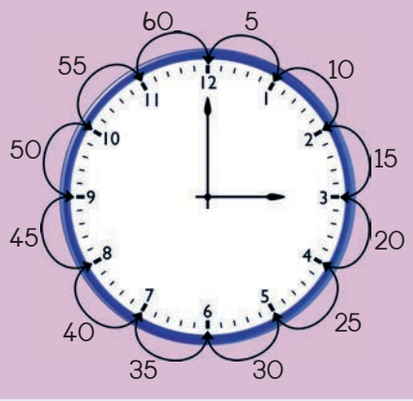
80 Amaphetheni wesikhathi

Ilanga:

Khulumani ngewatjhi.



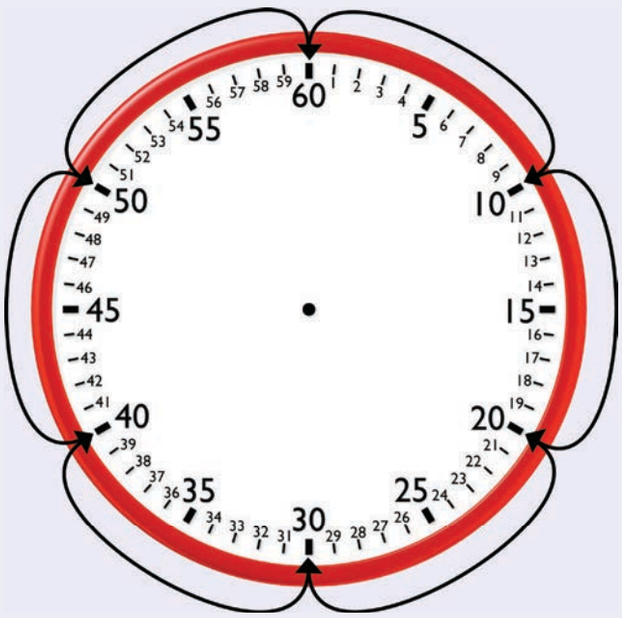
Iwatjhi isitjengisa isikhathi.

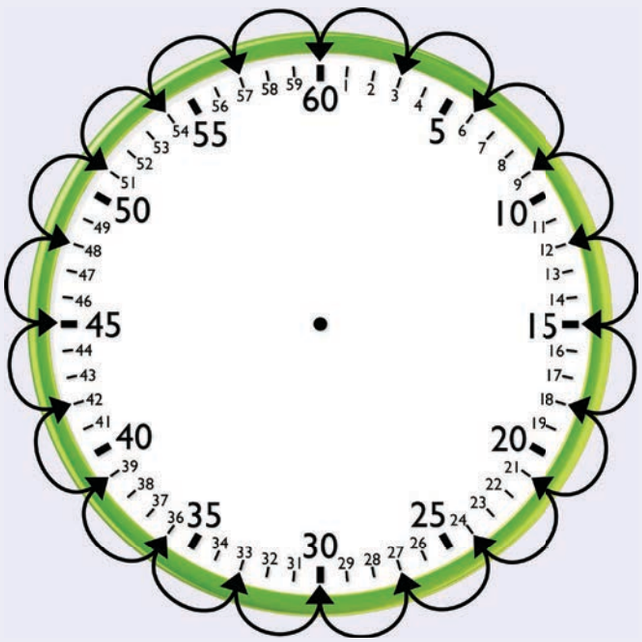
Umkhono omfitjhani usitjela ngama-iri.

Umkhono omude usitjela ngemizuzu.

Lapha sibala imizuzu ngakuhlanu.

Yini iphetheni? Njalo qalisisa imikhonto bese utlola phasi iphetheni.





10 __, __, __, __, __,

3, __, __, __, __, __, __, __, __,
__, __, __, __, __, __, __, __,
__, __, __, __,

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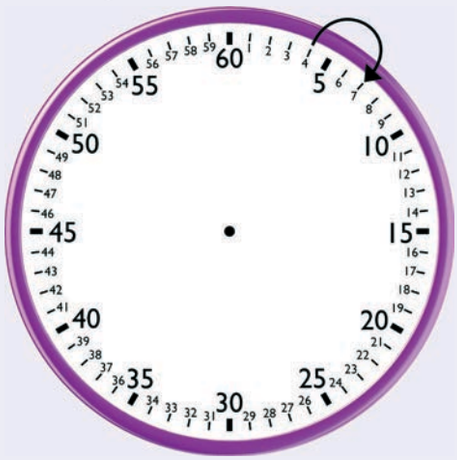
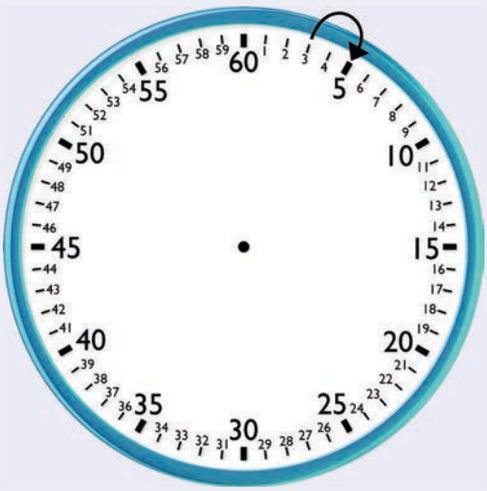
Tjengisa iphetheni ngokusebenzisa imikhonto.

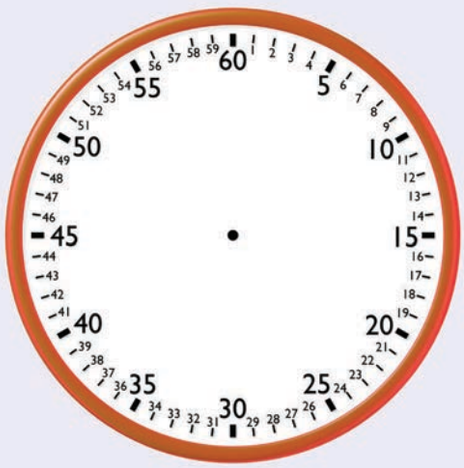
Bala ngakuthathu uthome ku-4.



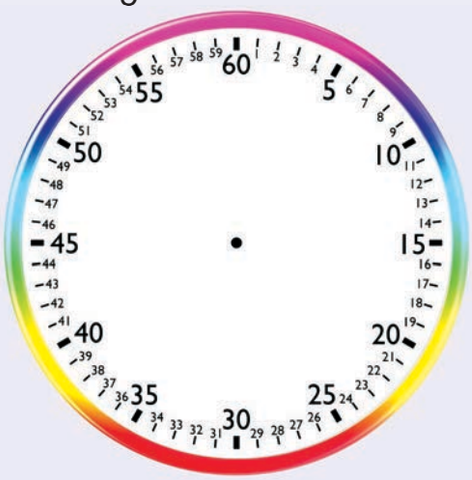
Bala ngaku-2 uthome ku-3.



Bala ngama-10 uthome ku-1.



Bala ngaku-5 uthome ku-2.



Ukhamba sikhathi bani nawuya esikolweni?

_____

Ubuyela sikhathi bani ekhaya?

_____

Isidlo santambama usidla sikhathi bani?

_____

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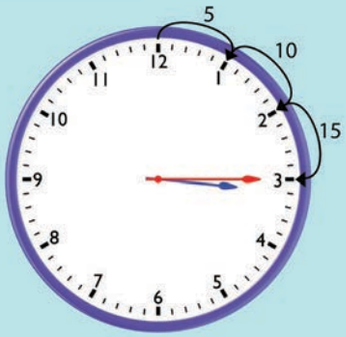
8.1a

Ama-iri nemizuzu

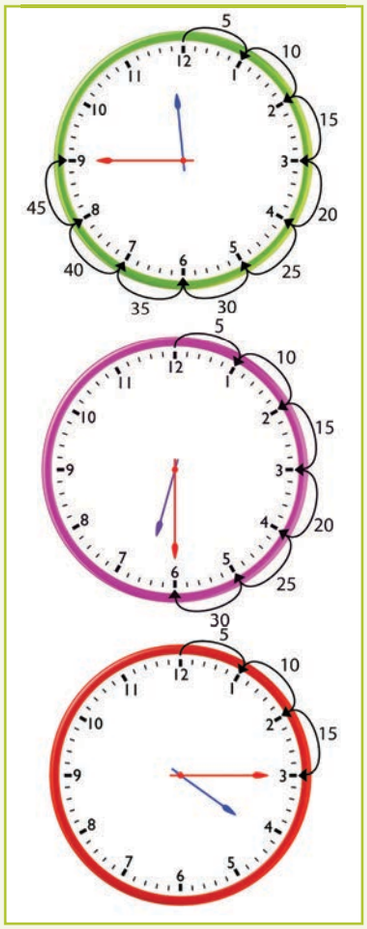
Ilanga:

Khulumani ngewatjhi.



Umkhono omfitjhani udlule kancani e-irini lesi-3.
Umkhono omude uphezu kwemizuzu eli-15.
Sitjho kobana mizuzu elitjhumi namihlanu
ngemva kwe-iri lesi-3.
Sitjho bona mizuzu emihlanu ngemva kwe-iri lesithathu.

Sikhathi bani?



Umkhono omude usitjengisa _____ .
Umkhono omfitjhani usitjengisa _____ .
Sithi _____ .

Umkhono omude usitjengisa _____ .
Umkhono omfitjhani usitjengisa _____ .
Sithi _____ .

Umkhono omude usitjengisa _____ .
Umkhono omfitjhani usitjengisa _____ .
Sithi _____ .

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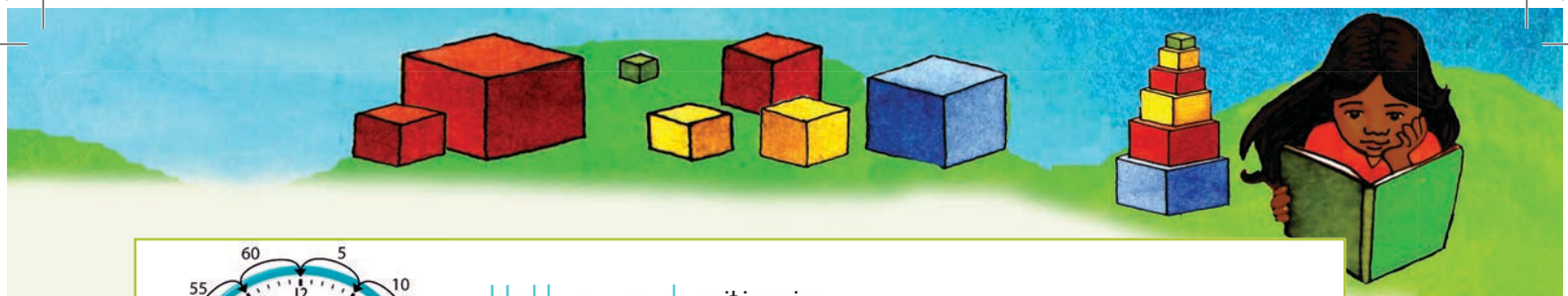
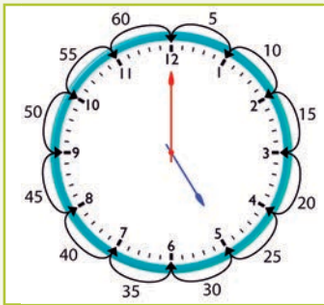




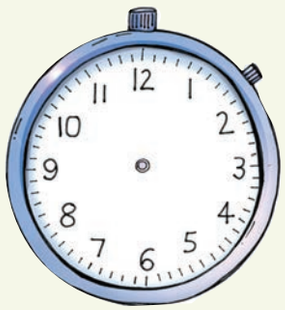
Umkhono omude usitjengisa _____ .

Umkhono omfitjhani usitjengisa _____ .

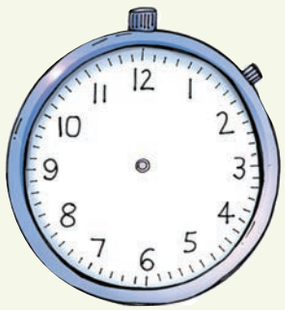
Sithi _____ .

Gwala umkhono omude nomfitjhani wewatjhi.

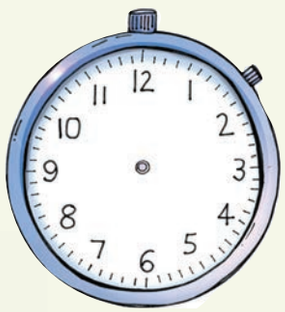
Yikotara ngemva kwe-iri lesibili.



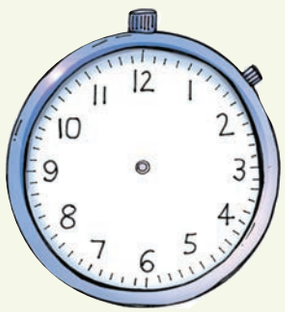
Mizuzu ematjhumi amathathu ngemva kwe-iri lethoba.



Li-iri letjhumi poro ehloko.



Yikotara ngaphambi kwe-iri lesithandathu.



Khuyini okwenzako ngesikhathi lesi evekeni? Gwala isithombe.

Yikotara ngemva kwe-iri lobunane ekuseni.

Yikotara ngemva kwe-iri lobunane entambama.

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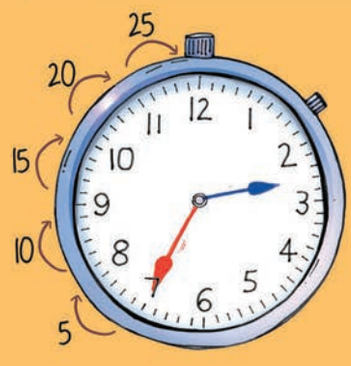
8Ib

Imizuzu nama-iri

Ilanga:

1 Khulumani ngewatjhi.



Umkhono omfitjhani useduze ne-iri le-3.
Umkhono omude ujame phezulu emizuzwini ama-35.
Imizuzu ema-25 ngaphambili kokuthi omude ufike e-12. Sithi mizuzu ama-25 ngaphambili kwe-iri le-3.

2 Sikhathi bani?

Umkhono omfitjhani _____ .

Umkhono omude ujame phezu _____ .

Mizuzu ema- _____ ngaphambili kokuthi umkhono omude ufike e-12.

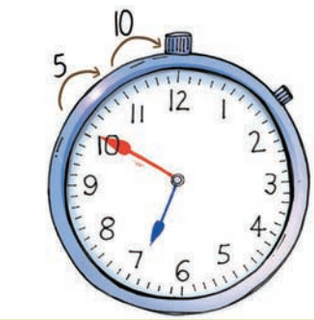
Sithi mizuzu ema-ngaphambili kwe-iri le- _____.

Umkhono omfitjhani _____ .

Umkhono omude ujame phezu _____ .

Maminidi ama _____ ngaphambili kokuthi umkhono omude ufike e-12.

Sithi maminidi a _____ ngaphambili kwe-iri le- _____.



Umkhono omfitjhani _____ .

Umkhono omude ujame phezu _____ .

Mizuzu ema- _____ ngaphambili kokuthi umkhono omude ufike e-12.

Sithi mizuzu _____ ngaphambili kwe-iri le- _____.

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Umkhono omfitjhani _____ .

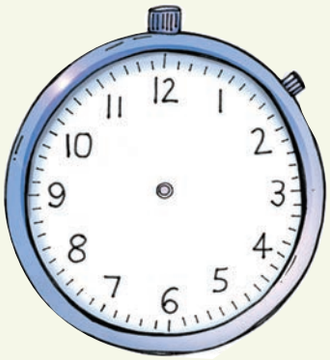
Umkhono omude ujame phezu _____ .

Mizuzu emi- _____ ngaphambili kokuthi umkhono omude ufike e-12.

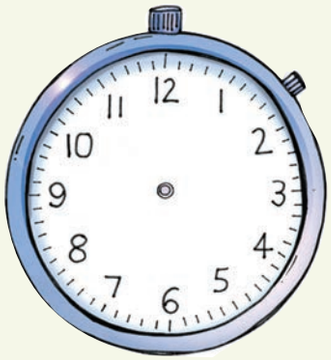
Sithi mizuzu _____ ngaphambili kwe-iri le- _____.

Gwala umkhono omude kanye nomkhono omfitjhani ukutjengisa:

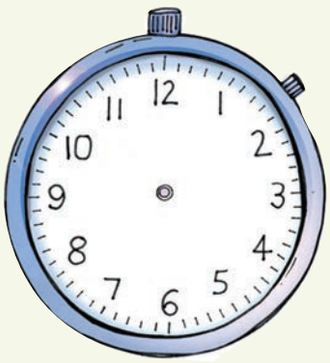
Mizuzu emihlanu ngaphimbili kwe-iri le-8.



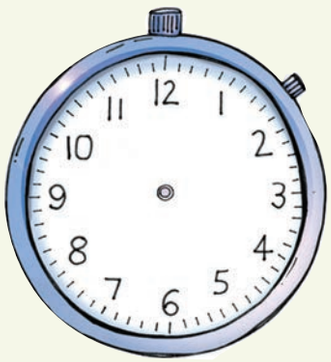
Mizuzu ematjhumi amabili ngaphambili kwe-iri lesithathu.



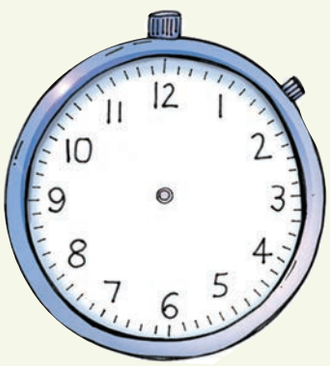
Mizuzu emihlanu ngaphambili kwe-iri lokuthoma.



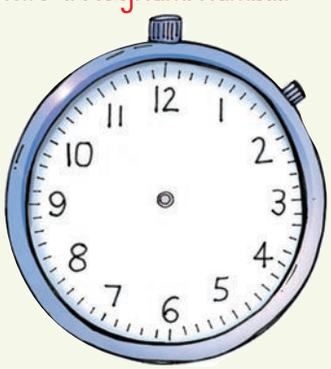
Imizuzu elitjhumi ngaphambili kwe-iri lesithandathu.



Imizuzu ilitjhumi namithathu ngaphambili kwe-iri lekhomba.



Imizuzu elitjhumi namibili ngaphambili kwe-iri letjhumi nambili.



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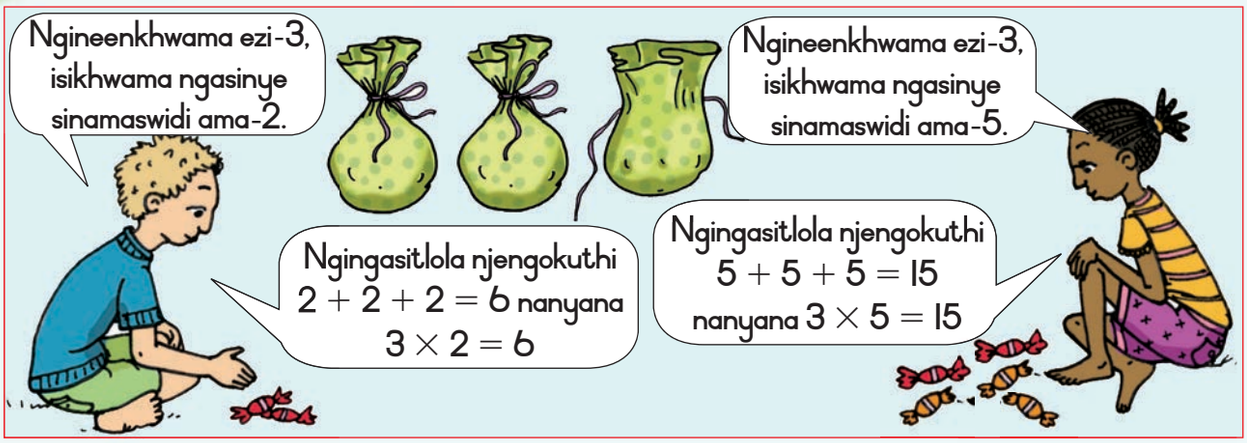
82 Ukuhlanganisa okubuyelelweko

Ilanga:



Qala iinkhwama ezinamaswidi:

- Tlola umutjho ngesinye nesinye isikhwama.
- Tlola isibalo sokuhlanganisa.
- Tlola isibalo sokubuyabuyelela ngesinye nesinye.

Isikhwama ngasinye sinamaswidi ama-2.

Umutjho: Amabuthelelo wanga-4 ama-2

Isibalo sokuhlanganisa: 2 + 2 + 2 + 2 = __

Isibalo sokubuyabuyelela: 4 × 2 = _____

Esinye nesinye isikhwama esivalweko sinamaswidi ama-2.

Umutjho: _____

Isibalo sokuhlanganisa: _____

Isibalo sokubuyabuyelela: _____

Esinye nesinye isikhwama esivaliweko sinamaswidi ama-5.

Umutjho: _____

Isibalo sokuhlanganisa: _____

Isibalo sokubuyabuyelela: _____

Esinye nesinye isikhwama esivaliweko sinamaswidi ama-2.

Umutjho: _____

Isibalo sokuhlanganisa: _____

Isibalo sokubuyabuyelela: _____

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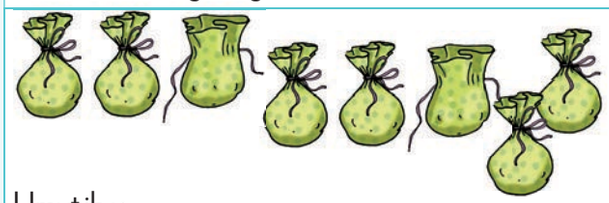
Akhe silinge ngemigodlana enamaswidi amane umgodla ngamunye. Umgodla ngamunye unamaswidi amane. Kunamaswidi amangaki?

Umutjho: Amabuthelelo ali-7 wangaku-4
Isibalo sokuhlanganisa:
$4 + 4 + 4 + 4 + 4 + 4 + 4 = 28$
Isibalo sokubuyabuyelela: $7 \times 4 = 28$

Umutjho: _____
Isibalo sokuhlanganisa: _____
Isibalo sokubuyabuyelela: _____



Umutjho: _____
Isibalo sokuhlanganisa: _____
Isibalo sokubuyabuyelela: _____

Umutjho: _____
Isibalo sokuhlanganisa: _____
Isibalo sokubuyabuyelela: _____

Qedelela itheyibula yokubuyelela.

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

Nginamabhoksi amahlanu, ibhoksi ngalinye linamamafini amabili. Kunamamafini amangaki nasele awoke?

Nginamabhoksi amane, ibhoksi ngalinye linamakhekhana angemakomitjini amahlanu. Kunamakhekhana angemakomitjini amangaki nasele awoke?

Nginamabhoksi amathathu, ibhoksi ngalinye linamagwinya amane. Kunamagwinya amangaki nasele awoke?

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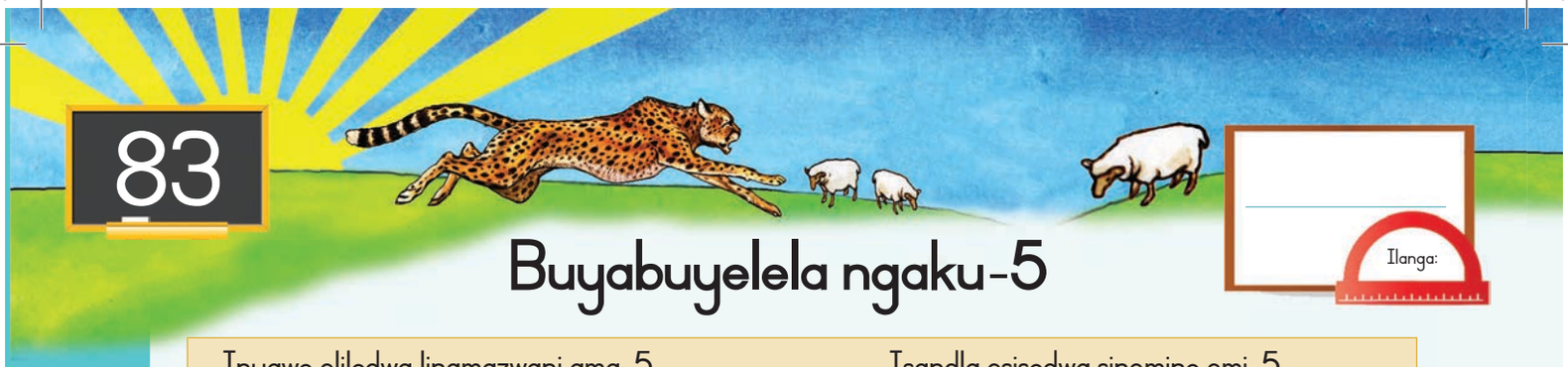


83

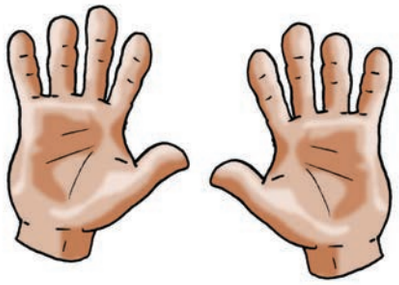
Buyabuyelela ngaku-5

Ilanga:

Inyawo elilodwa linamazwani ama-5.

Mangaki amazwani nasele awoke? ☐

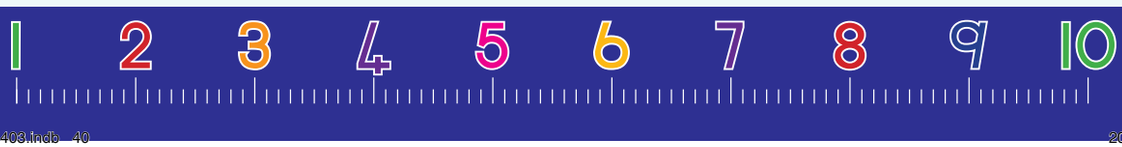
Isandla esisodwa sinemino emi-5.



Mingaki imino nasele iyoke? ☐

Qedelela okulandelako:

	☐	×	☐	=	☐		☐	×	☐	=	☐
	Amazwani enyaweni elilodwa		Inyawo				Imino esandleni esisodwa		Isandla		
	☐	×	☐	=	☐		☐	×	☐	=	☐
	Amazwani enyaweni elilodwa		Inyawo				Imino esandleni esisodwa		Isandla		
	☐	×	☐	=	☐		☐	×	☐	=	☐
	Amazwani enyaweni elilodwa		Inyawo				Imino esandleni esisodwa		Isandla		
	☐	×	☐	=	☐		☐	×	☐	=	☐
	Amazwani enyaweni elilodwa		Inyawo				Imino esandleni esisodwa		Isandla		



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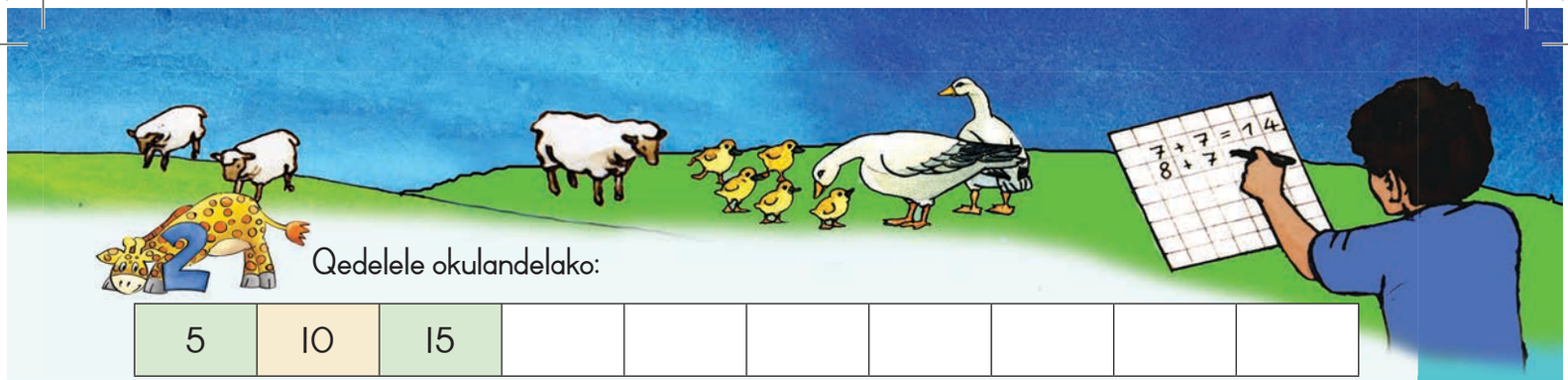

2 Qedelele okulandelako:

5	10	15							
50	45	40							

3 Qedelela okulandelako:

5 × = ☐ ama-apula	4 × = ☐ amabhanana
6 × = ☐ amabhanana	7 × = ☐ ama-apula

4 Qedelela okulandelako:

15 × 5 = ☐

10 5 × 5

= (10 + 5) × 5

= 10 × 5 + 5 × 5

= 50 + 25

= 75

12 × 5 = ☐

10 2 × 5

= ☐ + ☐ × ☐

= ☐ × ☐ + ☐ × ☐

= ☐ + ☐

= ☐

14 × 5 = ☐

10 4 × 5

= ☐ + ☐ × ☐

= ☐ × ☐ + ☐ × ☐

= ☐ + ☐

= ☐

13 × 5 = ☐

10 3 × 5

= ☐ + ☐ × ☐

= ☐ × ☐ + ☐ × ☐

= ☐ + ☐

= ☐

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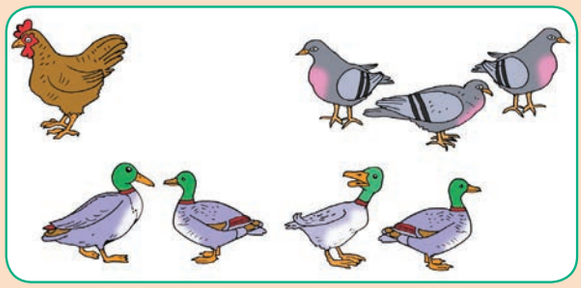
Buyabuyelela ngaku-2

Ilanga:



Zoke iinyoni zineenyawo ezimbili.

Zoke iinyoni zineempiko ezimbili.

Esithombeni lesi iinyoni zoke zineenyawo ezingaki? ☐

Sezizoke, zingaki iimpiko esithombeni lesi? ☐

Qala isithombe bese uqedelela okulandelako.

amazuba

☐ × ☐ = ☐	
Inani lamazuba	Inani leenyawo inyoni ngayinye

☐ × ☐ = ☐	
Inani lamazuba	Iimpiko inyoni ngayinye

amadada

☐ × ☐ = ☐	
Inani lamadada	Inani leenyawo inyoni ngayinye

☐ × ☐ = ☐	
Inani lamadada	Iimpiko inyoni ngayinye

Qedelela lokhu:

2	4	6							
20	18	16							

Qedelela lokhu:

5 × = ☐ ama-apula	4 × = ☐ amabhanana
6 × = ☐ amabhanana	7 × = ☐ ama-apula

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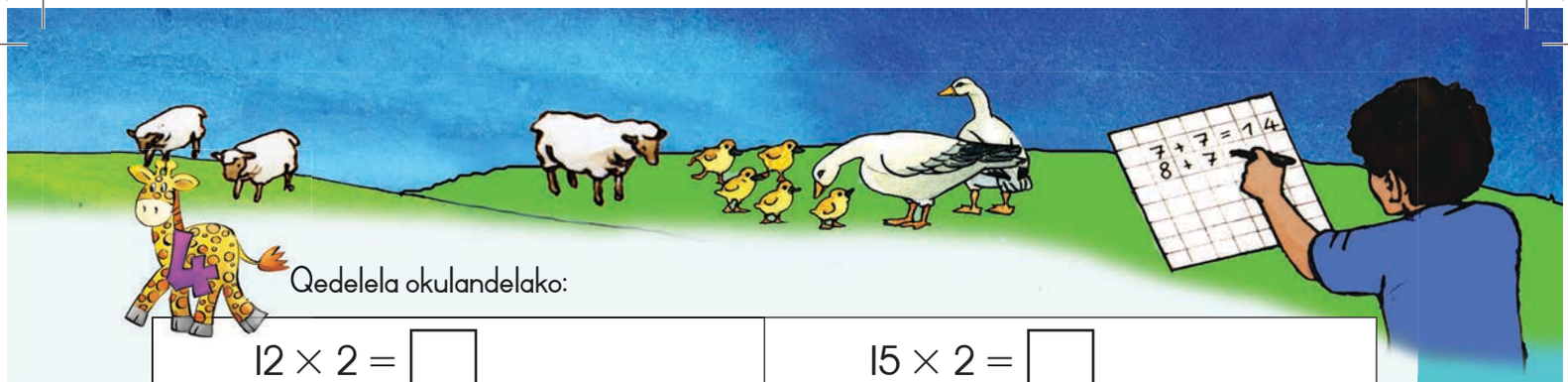


Qedelela okulandelako:

$12 \times 2 = \square$

$10 + 2 \times 2$

$= 10 + 2 \times 2$

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

$= 20 + 4$

$= 24$

$15 \times 2 = \square$

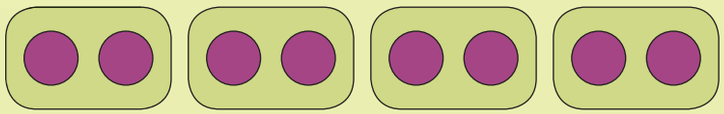
$10 + 5 \times 2$

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

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

$= \square + \square$

$= \square$



$2 + 2 + 2 + 2 = 8$

nanyana

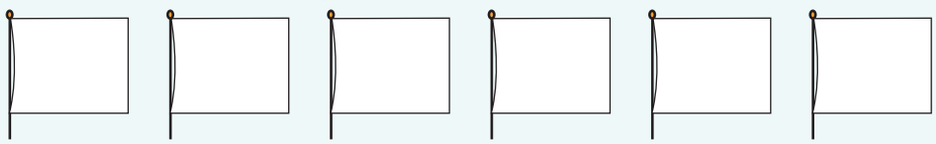
$4 \times 2 = 8$

nanyana

$8 \div 2 = 4$

Leli litshwayo lokuhlukanisa.

Gwala iinkwekwezi ezi-2 phezu kweflarha.



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

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

Kunamabhlogo amangaki wetjhokoledi phezu kwesitina lesi setjhokoleydi?

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

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

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85a

Ikotara ngemva

Ilanga:

1 Khulumani ngewatjhi.

Umkhono omfitjhani usanda kudlula kweyokuthoma.
Umkhono omude ujame phezulu kwemizuzu elitjhumi nahlanu.
Sithi ikotara ngemva kwe-iri lokuthoma.
Sihlathulula kobanyana yikotara ye-iri.
Mizuzu eli-15 ngemva kwe-iri lokuthoma.

2 Sikhathi bani?

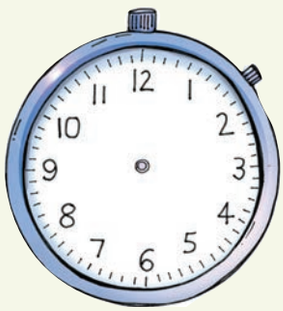
Umkhono omfitjhani udlule _____ .

Umkhono omude ujame phezu _____ kwemizuzu.

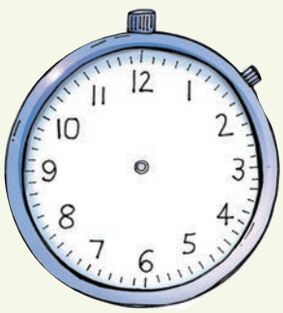
Sithi _____ ngemva _____.

3 Gwala umkhono omude kanye nomkhono omfitjhani.

Imizuzu ili-15 libethile i-iri le-8.



Imizuzu ili-15 libethile i-iri le-3.



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Ikotara ngaphambili

Khulumani ngewatjhi.

Umkhono omfitjhani ungaphambidlala kwaka-3.

Umkhono omude ujame phezu kwethoba.

Sithi yikotara ngaphambi kwe-iri lesithathu.

Kusele nje imizuzu eli-15 kobana kubethe i-iri lesithathu.

Sikhathi bani?

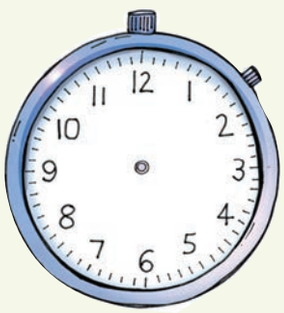
Umkhono omfitjhani udlule nje kancani _____ .

Umkhono omude ujame emizuzwini _____.

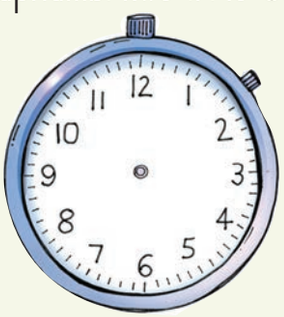
Sithi _____ ngaphambili kwe-iri.

Gwala umkhono omude kanye nomkhono omfitjhani.

Imizuzu ili-15 ngaphambi kwe-iri le-4.



Imizuzu ili-15 ngaphambi kwe-iri lo-8.



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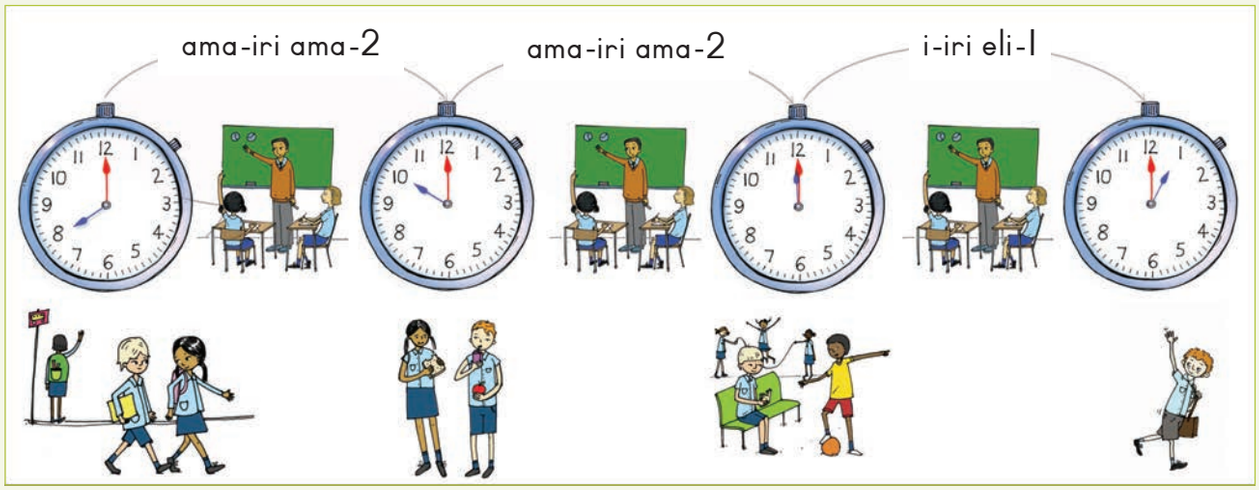
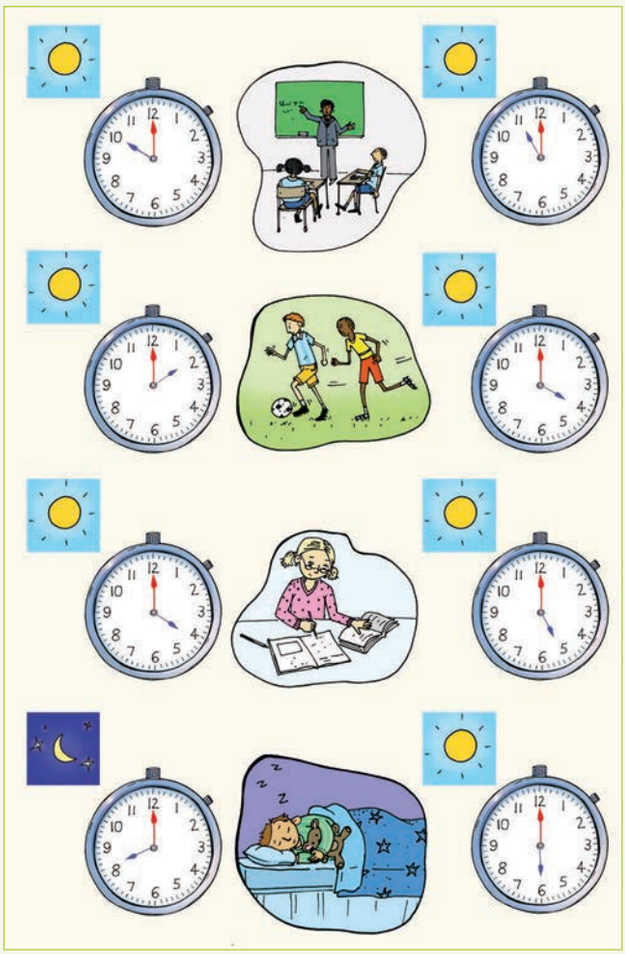
85b

Isikhathi siyakhamba

Ilanga:



Kuthethe isikhathi esingangani kobana uqede umsebenzi?



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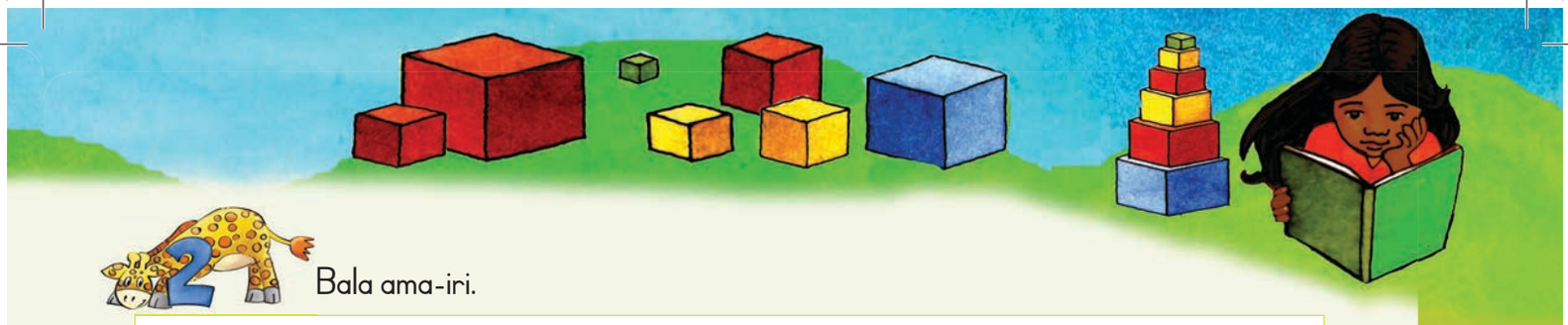

Bala ama-iri.

Ma-iri amangaki ukusuka nge-iri lesi-4 poro ehloko bekube li-iri le-7 poro ehloko. _____

Ma-iri amangaki ukusuka nge-iri lesi-8 poro ehloko bekube li-iri le-12 poro ehloko. _____

Ma-iri amangaki ukusuka nge-iri loku-1 poro ehloko bekube li-iri le-8 poro ehloko. _____

Ma-iri amangaki ukusuka nge-iri lesi-5 poro ehloko bekube li-iri le-10 poro ehloko. _____

Ma-iri amangaki ukusuka nge-iri lesi-2 poro ehloko bekube li-iri le-11 poro ehloko. _____

Gwala isithombe.
UBongi uye kwabo lakamngani wakhe nge-iri le-10 ekuseni ngoMgqibelo.
Wabuya nge-iri lesi-3 poro ehloko. Ingabe uBongi bekangekho isikhathi esingangani?

UJohn uyokuthiya iinhlambi noyise. Basuke ekhaya nge-iri le-4 poro ehloko ekuseni.
Babuye ekhaya nge-iri le-10. Ingabe bakhambe ama-iri amangaki?

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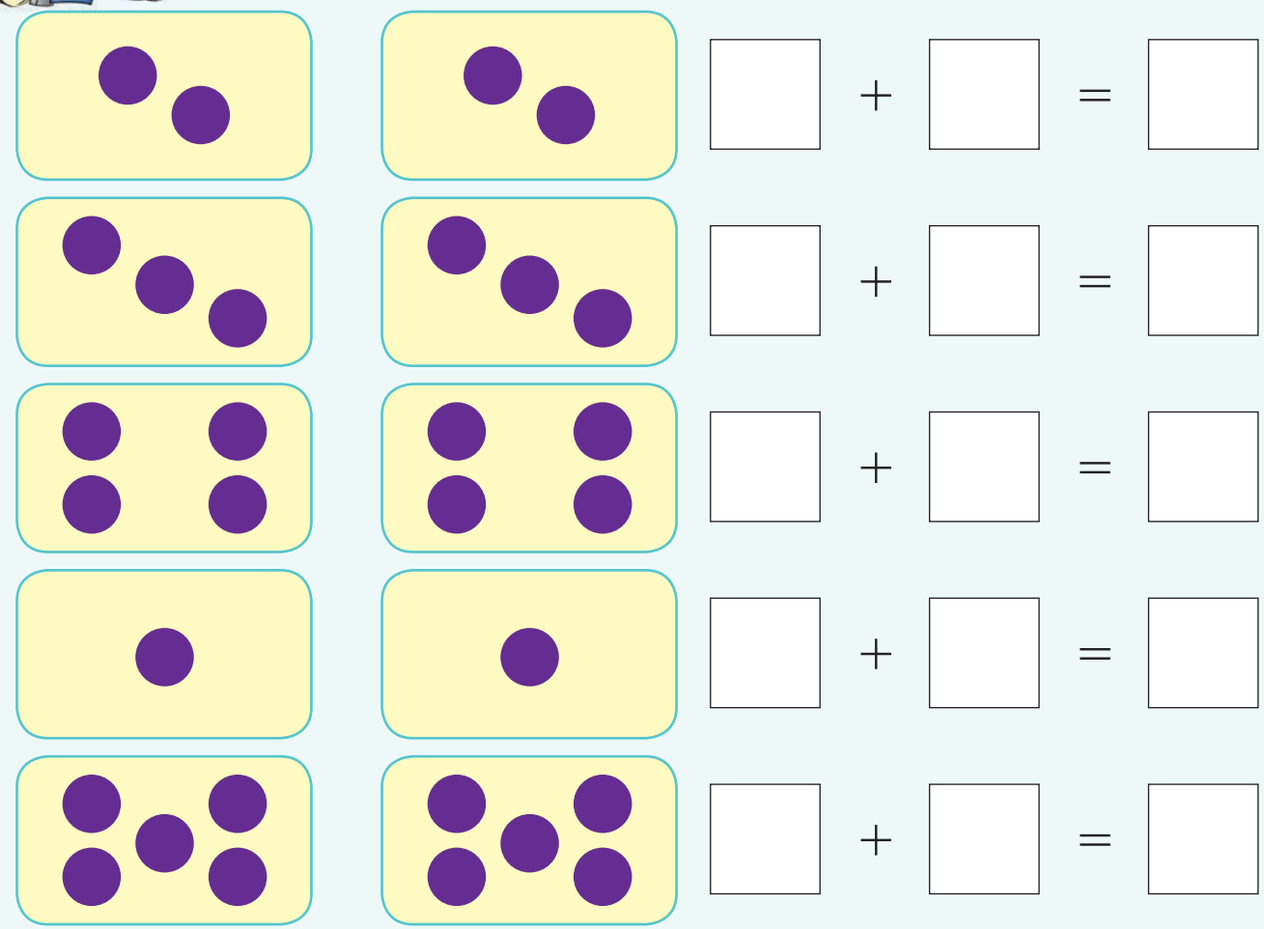
Buyelela kabili

Ilanga:

1 Qalisisa isithombe sokuthoma nesesibili. Kwenzeka ini?

2 Hlanganisa amacaphazi begodu tlola isibalo sawo.



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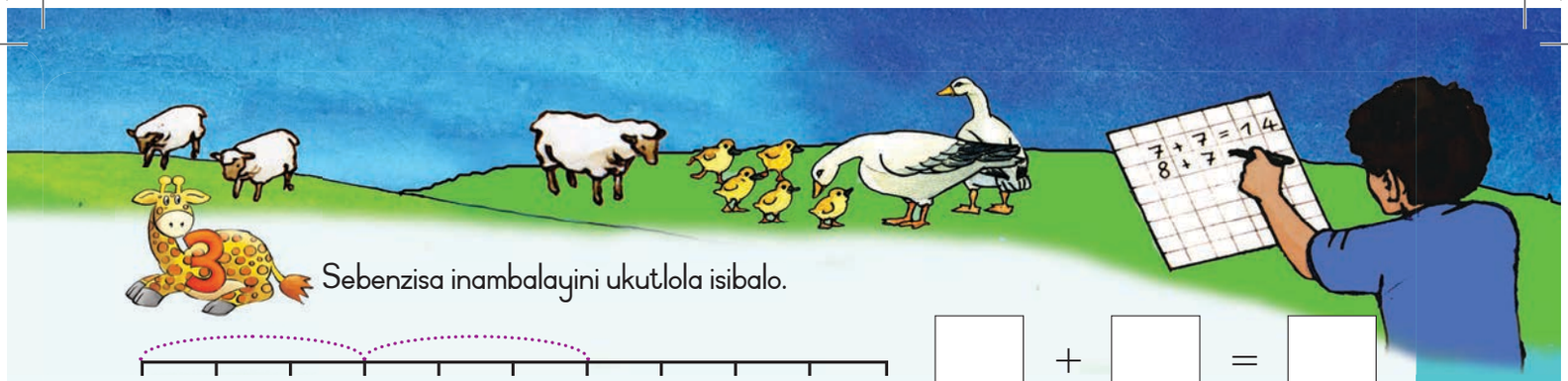

Sebenzisa inambalayini ukutlola isibalo.

0 1 2 3 4 5 6 7 8 9 10 ☐ + ☐ = ☐

0 1 2 3 4 5 6 7 8 9 10 ☐ + ☐ = ☐

0 1 2 3 4 5 6 7 8 9 10 ☐ + ☐ = ☐

0 1 2 3 4 5 6 7 8 9 10 ☐ + ☐ = ☐

0 1 2 3 4 5 6 7 8 9 10 ☐ + ☐ = ☐

Buyelela kabili okulandelako.

Buyelela kabili ngabo-1	☐ + ☐ = ☐	2 × ☐ = ☐
Buyelela kabili ngabo-2	☐ + ☐ = ☐	2 × ☐ = ☐
Buyelela kabili ngabo-3	☐ + ☐ = ☐	2 × ☐ = ☐
Buyelela kabili ngabo-4	☐ + ☐ = ☐	2 × ☐ = ☐
Buyelela kabili ngabo-5	☐ + ☐ = ☐	2 × ☐ = ☐

2 4 6 8 10 12 14

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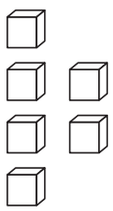
Ukubuyelela kabili nokuhafula

Ilanga:

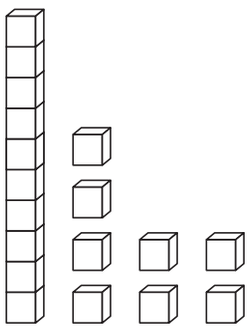
1 Qala iinthombe ezimbili. Yakha yakho indatjana.

2 Bala izinto bese ukhalara ihafu yazo.



Bala ☐

Ihafu yi- ☐



Bala ☐

Ihafu yi- ☐

3 Qedelela okulandelako bese uyagwala:

U-12 nakabuyelelwe kabili ipendulo ngu- ☐

☐ + ☐

4 Qedelela:

14	8		16	
		2		9

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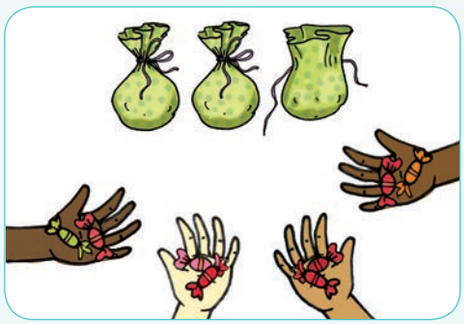
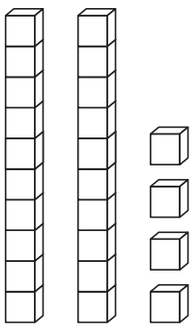
5 Qala iinthombe ezimbili. Yakha yakho indatjana.



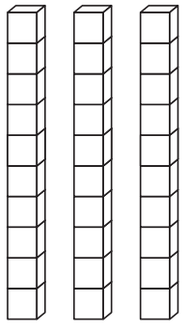
Kunamaswidi ali-10 ngesikhwanyaneni.

6 Bala izinto bese ukhalara ihafu yazo.



Bala ☐

Ihafu yi- ☐



Bala ☐

Ihafu yi- ☐

7 Qedelela okulandelako bese uyagwala:

U-16 nakabuyelelwe kabili ipendulo ngu- ☐

☐ + ☐

8 Qedelela:

34			36	40
	22	19		

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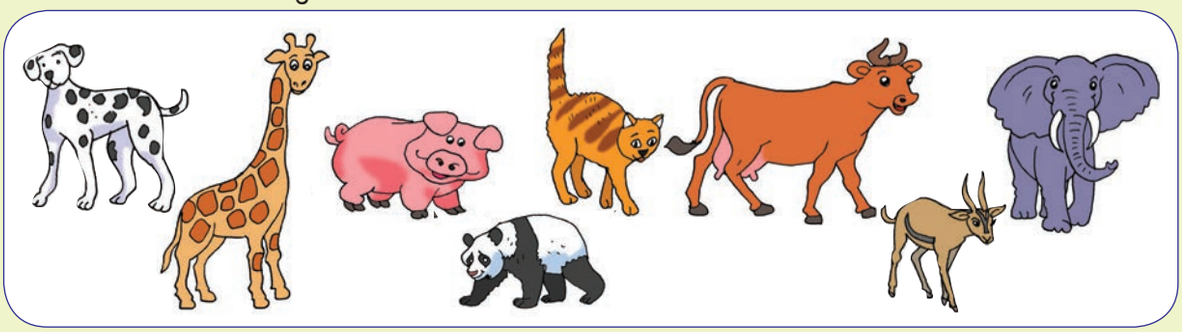
Okhunye ukubuyabuyelela

Ilanga:

Zoke iinlwana lezi zineenyawo ezi-4.

Zoke iinlwana lezi zinamehlo ama-2.



Lithini inani leenyawo ezisesithombeni esingehla? ☐

Lithini inani leendlebe ezisesithombeni esingehla? ☐

Qala isithombe bese uqedelela okulandelako.

Izinja

☐ × ☐ = ☐	☐ × ☐ = ☐
Inani lezinja × Iinyawo isilwana ngasinye	Inani lezinja × Amehlo isilwana ngasinye

Iinyamazana zemmangweni

☐ × ☐ = ☐	☐ × ☐ = ☐
Inani leenlwana × Iinyawo zesilwana ngasinye	Inani leenlwana × Iindlebe isilwana ngasinye

Qedelela okulandelako:

4	8	12							
40	36	32							

Qedelela okulandelako:

5 × = ☐ ama-apula	4 × = ☐ amabhanana
6 × = ☐ amabhanana	7 × = ☐ ama-apula

1 2 3 4 5 6 7 8 9 10

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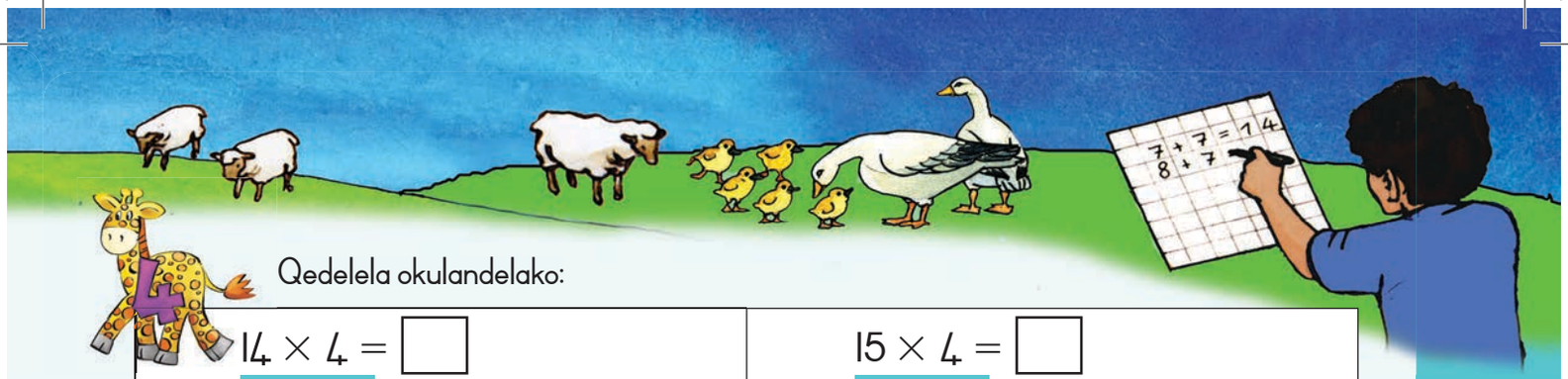

Qedelela okulandelako:

$14 \times 4 = \square$ $10 \quad 4 \times 4$ $= 10 + 4 \times 4$ $= 10 \times 4 + 4 \times 4$ $= 40 + 16$ $= 56$	$15 \times 4 = \square$ $10 \quad 5 \times 4$ $= \square + \square \times \square$ $= \square \times \square + \square \times \square$ $= \square + \square$ $= \square$

Abangani ababili badlalisa ngamasede amabili wamakomitji. Nabaqedako bahlela kuhle amasede lawo. Bafanele babe namakomitjhi amangaki i-sede ngayinye?

Qedelela lokhu okulandelako.

Yabela abentwana aba-2 amamabula ali-19 ngokulingana. Omunye nomunye ufunyana $\square$ Okuseleko $\square$	Yabela abentwana aba-2 ngokulingana amapensela ama-22. Omunye nomunye ufunyana $\square$ Okuseleko $\square$

Gwala iinthombe ukuze utjengise iimpendulo yakho.

Yabela abentwana aba-4 ngokulingana iincwadi ezi-23. Omunye nomunye ufunyana $\square$ Okuseleko $\square$	Yabela abentwana aba-4 ngokulingana iincwadi ezi-15. Omunye nomunye ufunyana $\square$ Okuseleko $\square$

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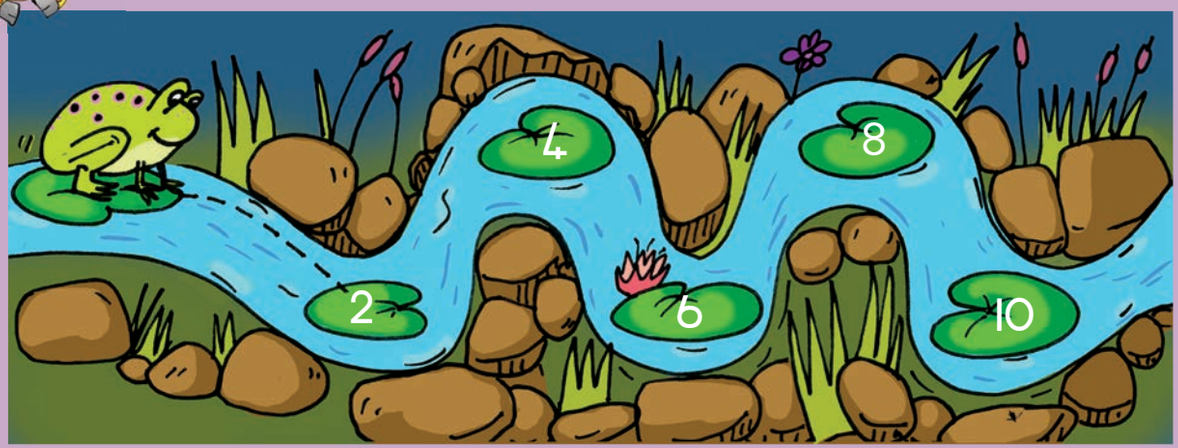
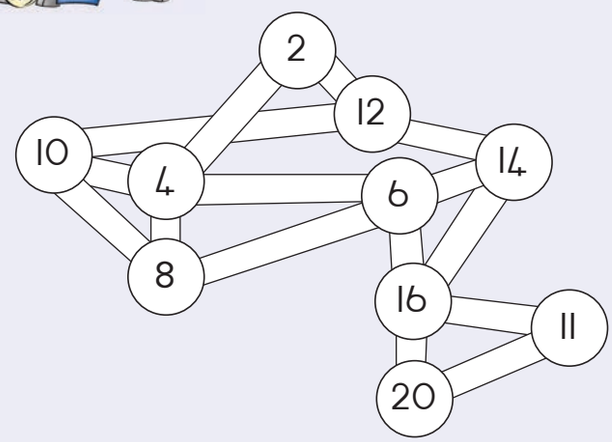
Amaphetheni neenomboro

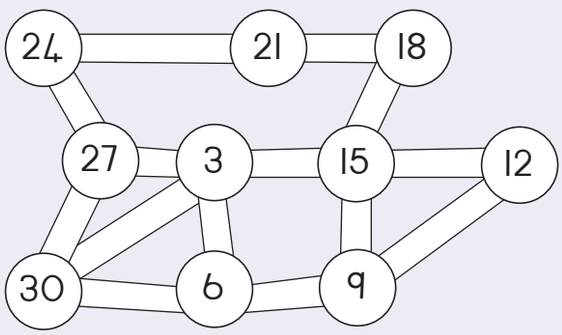
Ilanga:

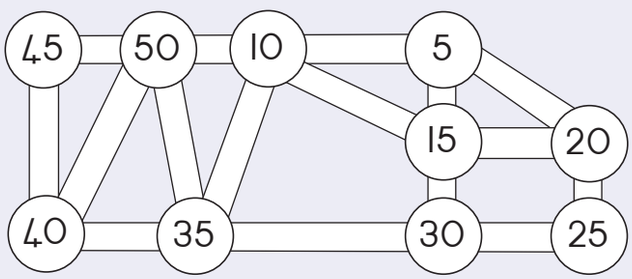
1 Izokuba yini inomboro ekarini?

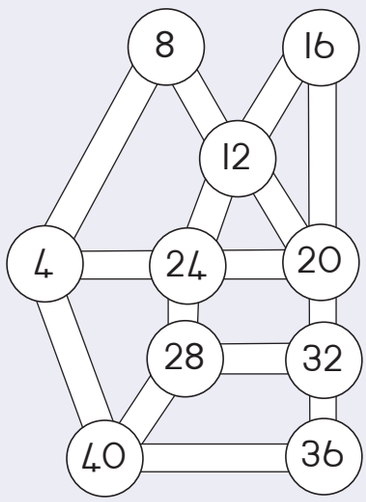


2 Tjengisa iphetheni, gwala indlela yakho, uthome ngenomboro encani khulu.









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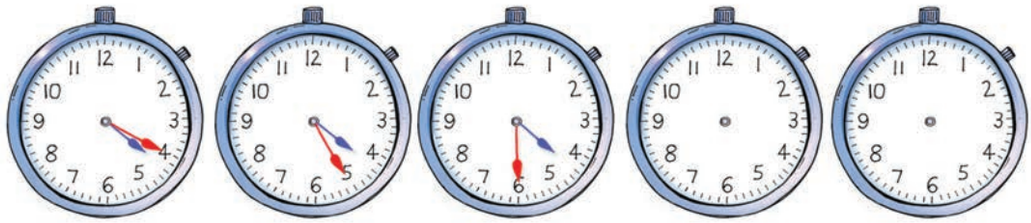
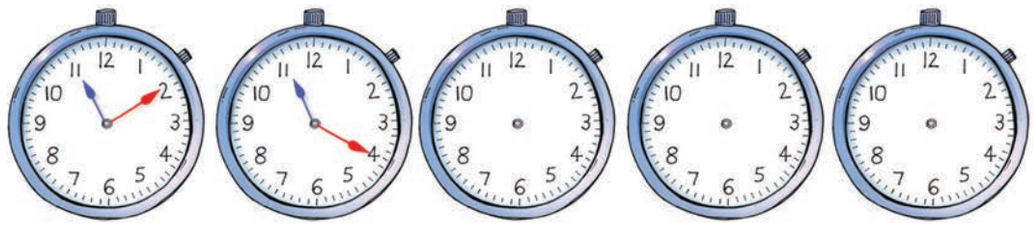
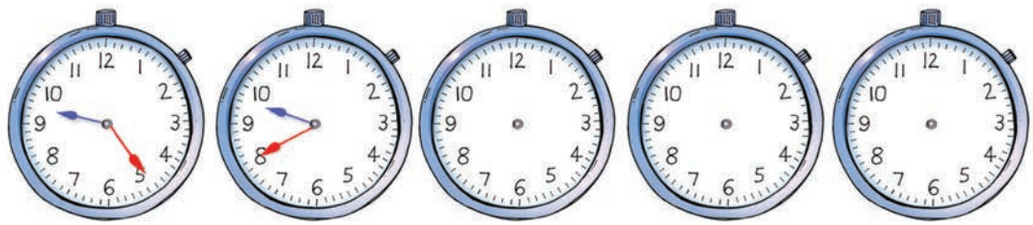
Gwala imikhono uyinamathisele ewatjhini bese uqedelela amaphetheni wesikhathi.



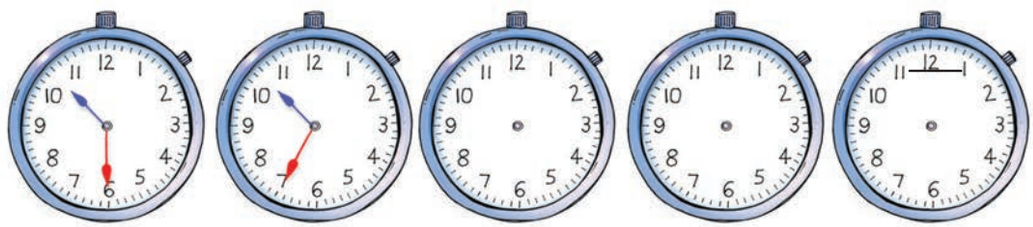
4:20 4:25 ___:___ ___:___ ___:___



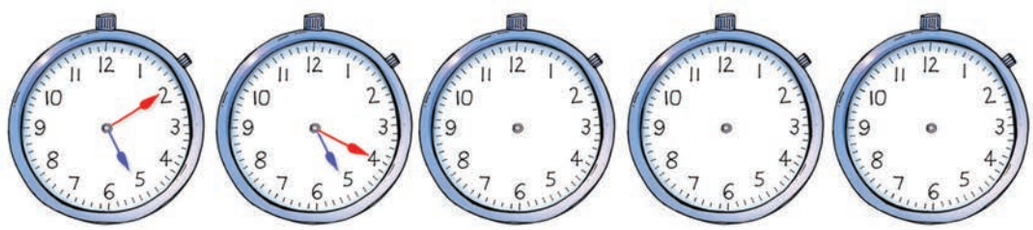
11:10 11:20 11:30 ___:___ ___:___



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



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



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

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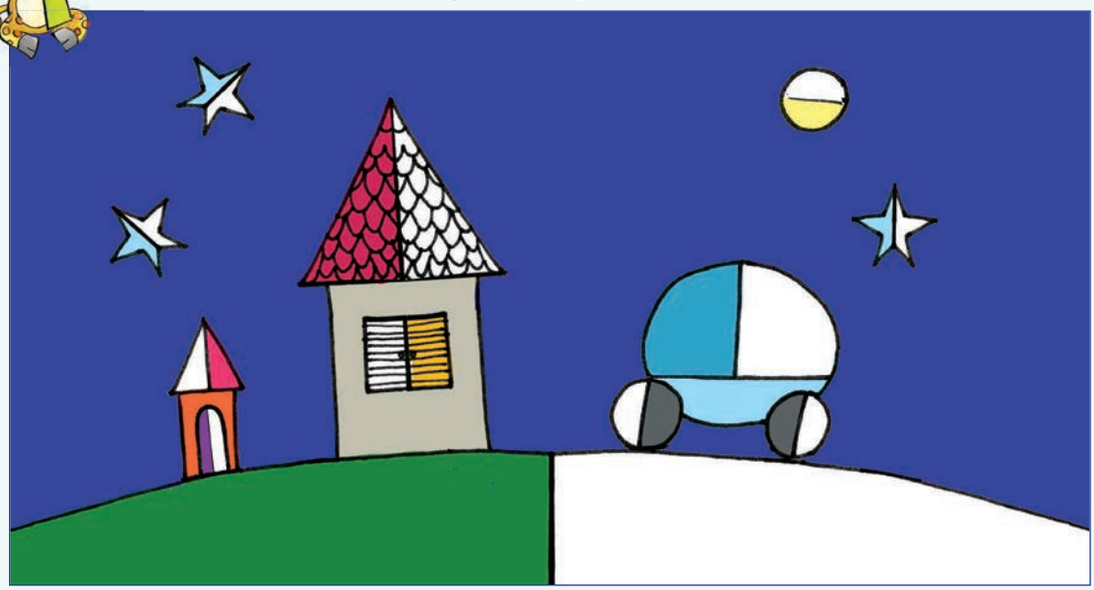
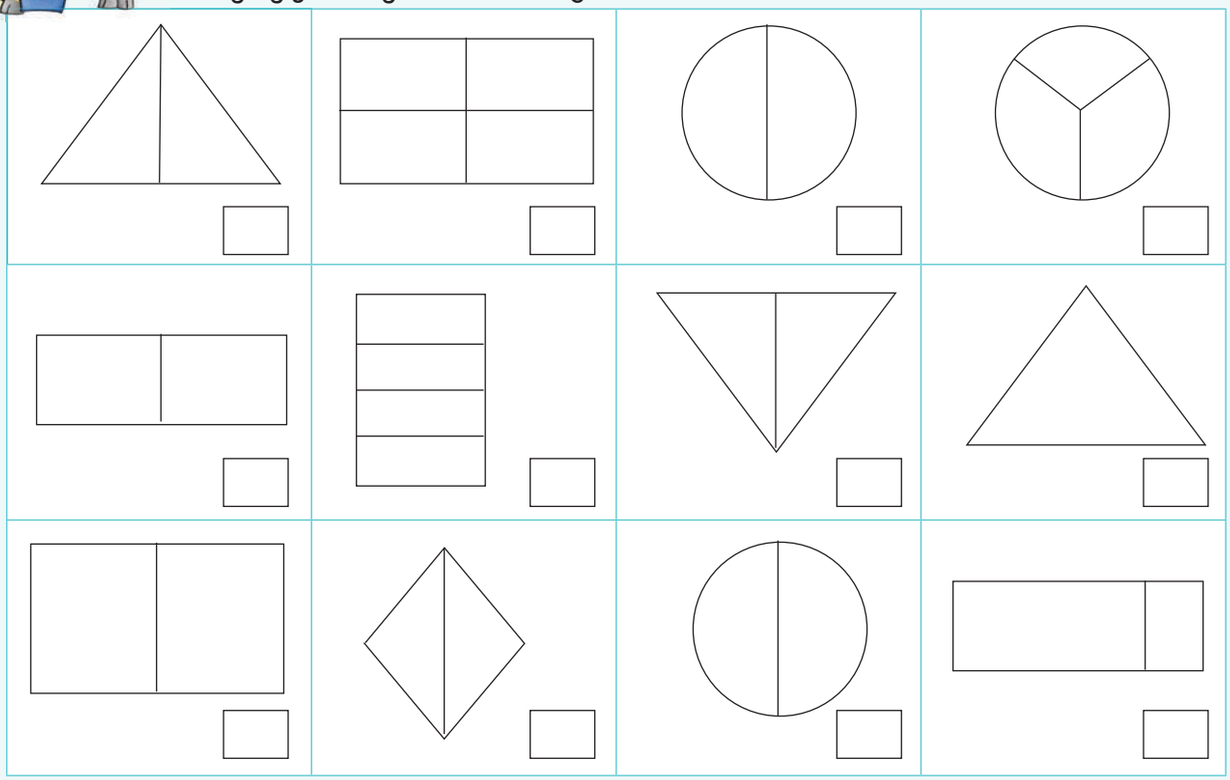
Ilanga:

Amacezu – abohafu

1 Qala isithombe. Khalara enye ihafu ngombala ofanako.



2 Qala iinthombe. Thika amajamo atjengisa abohafu. Khalara ihafu enye nenye yejamo eyahlukaniswe ngabohafu.



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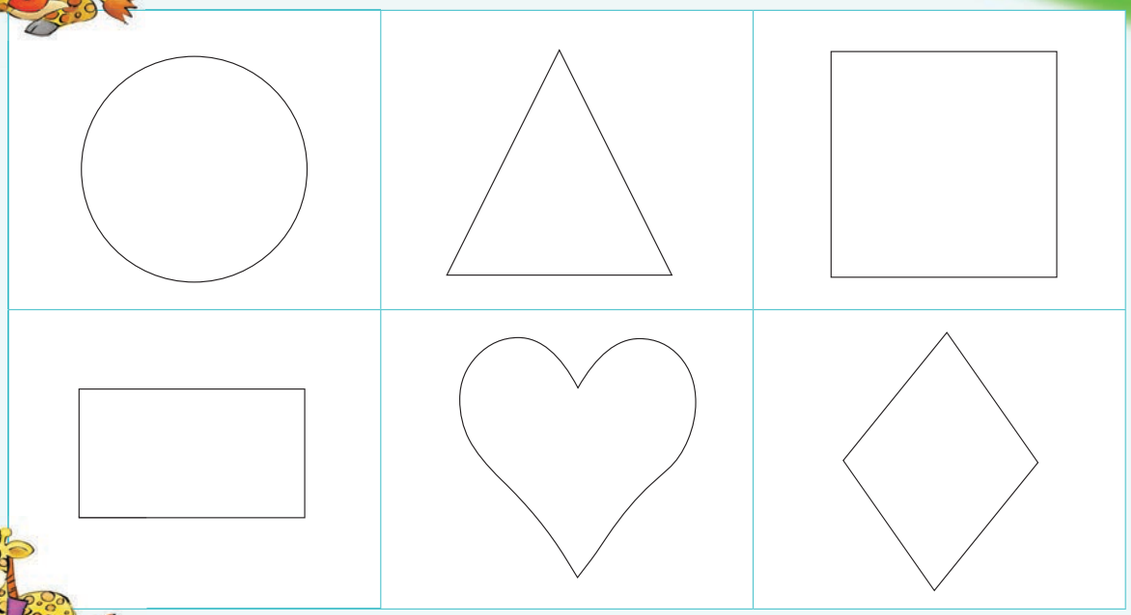
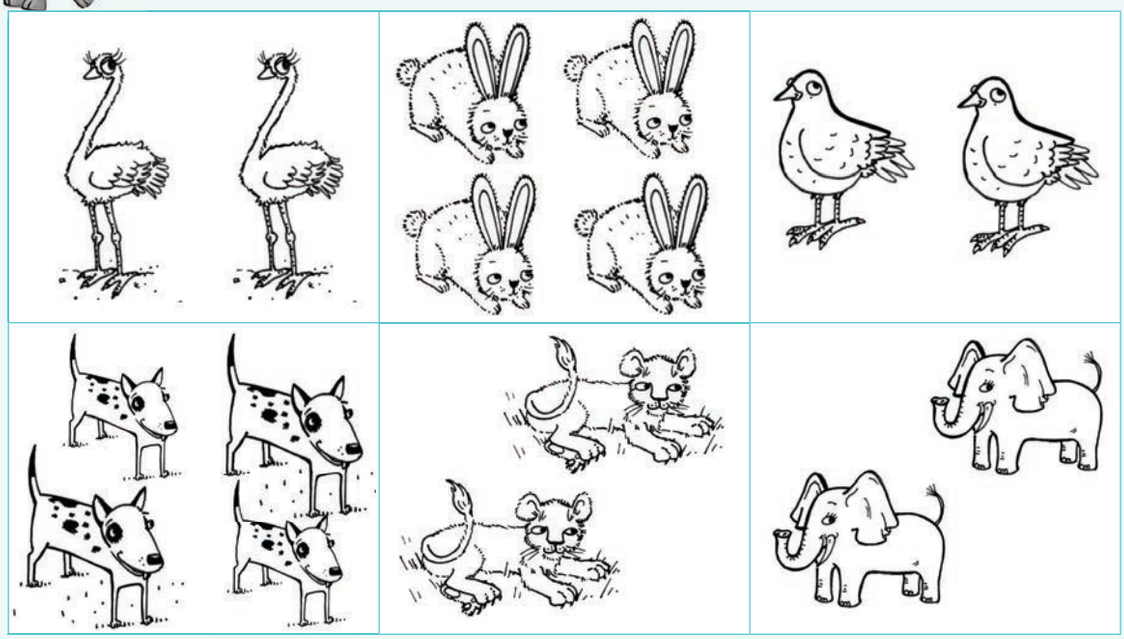
Khalara ihafu enye nenye yejamo.



Khalara ihafu yeenlwana ngebhlogweni ngalinye.



ihafu ihafu ihafu

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91

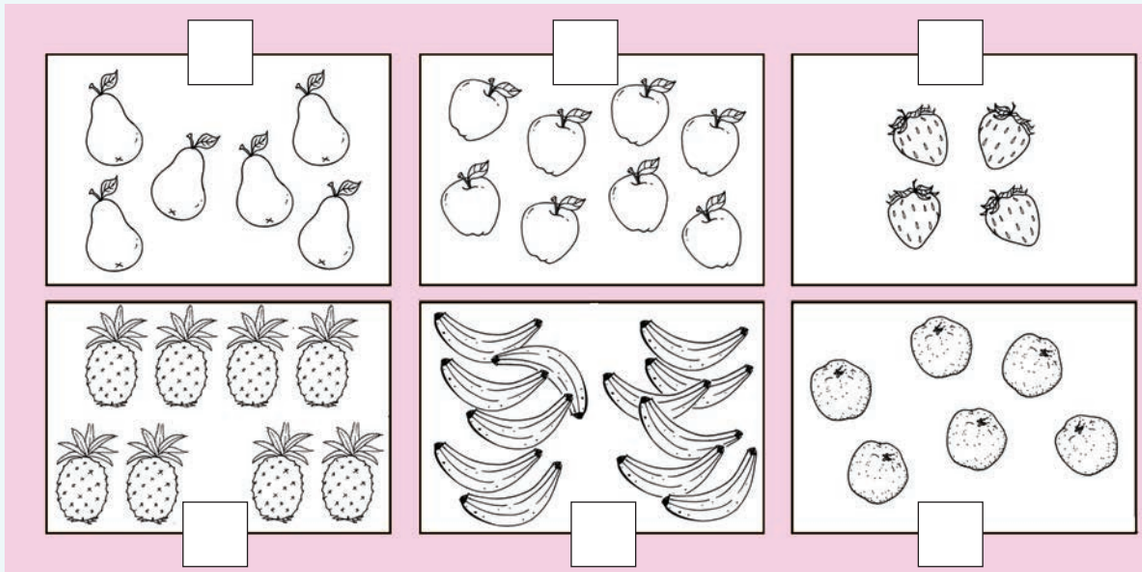
Amacezu – amanye amahafu

Ilanga:

1 Qala isithombe. Ihafu yinye itjho ukuthini?

2 Ihafu eyodwa yomuthi wama-apula ☐

3 Khalara ihafu eyodwa kwelinye nelinye ibuthelelo leenthelo.
Iyini ihafu yeenthelo ezisebuthelelweni ngalinye?



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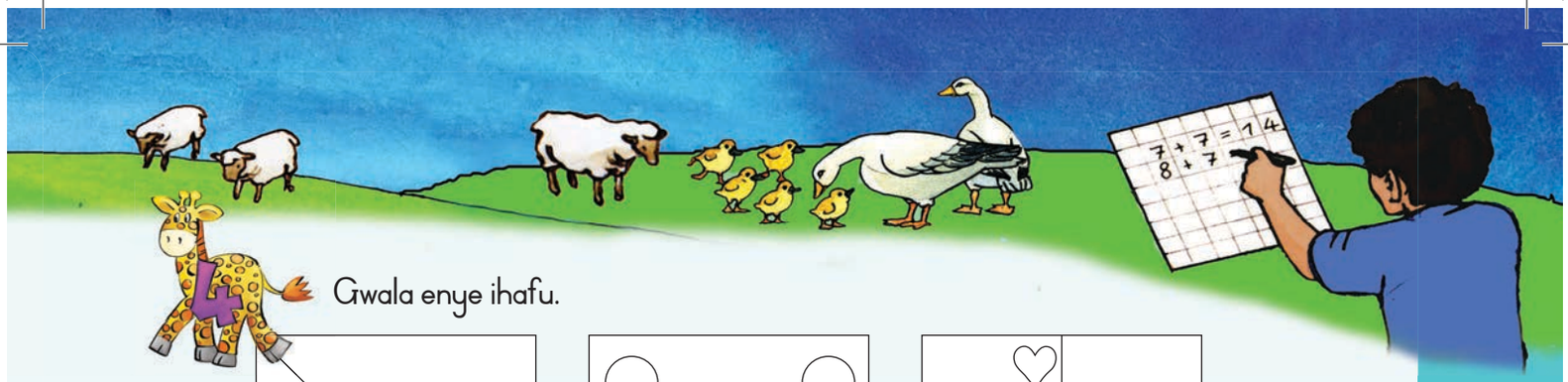
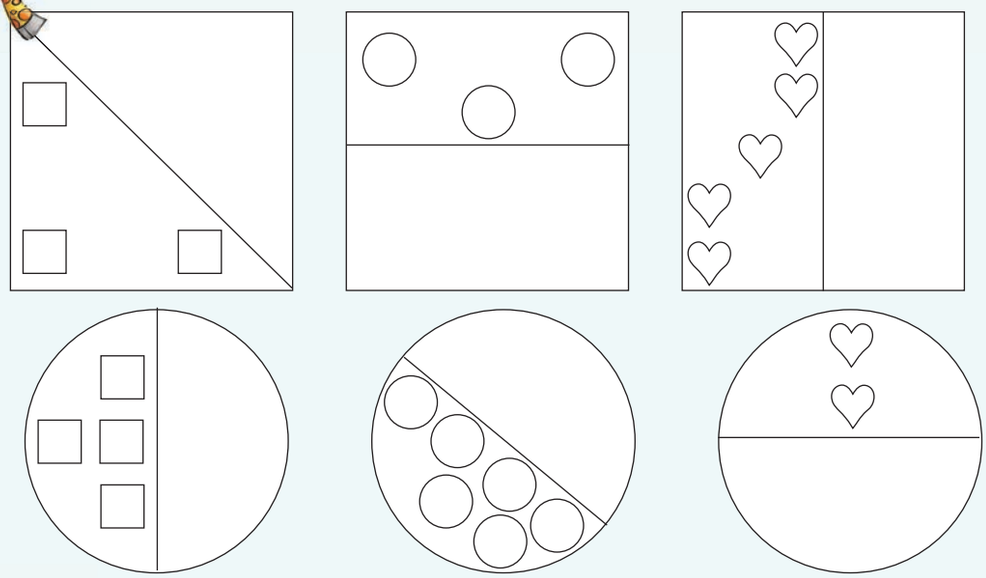
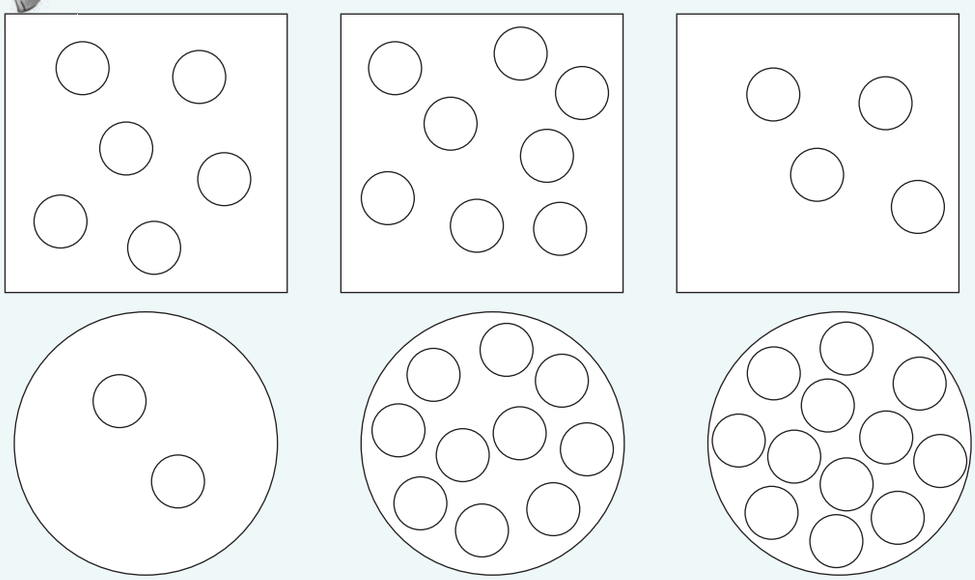


Gwala enye ihafu.



Khalara ihafu yamabumbeko.



ihafu ihafu ihafu

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Iindawo nokubonakala

Ilanga:

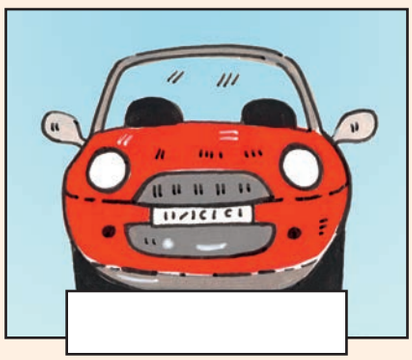
Inyoni ijame kuphi? Amagama azokusiza.

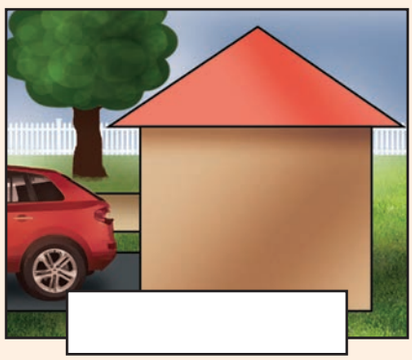
Ukubonakala kwendlu ngaphambili.

Ukubonakala kwendlu ngemahlangothini.

Ukubonakala komakhiwo ngaphezulu.

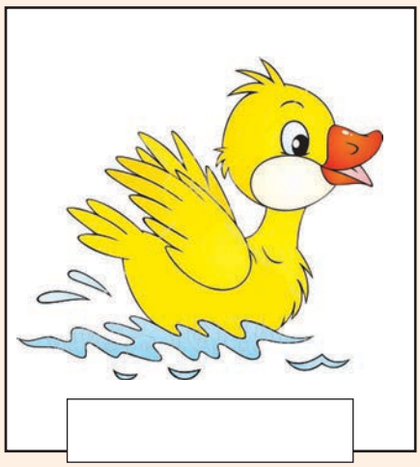
1 Umuntu lo bekajame kuphi nakabona lokhu?

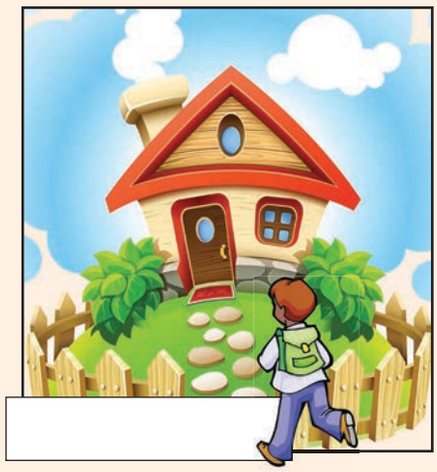


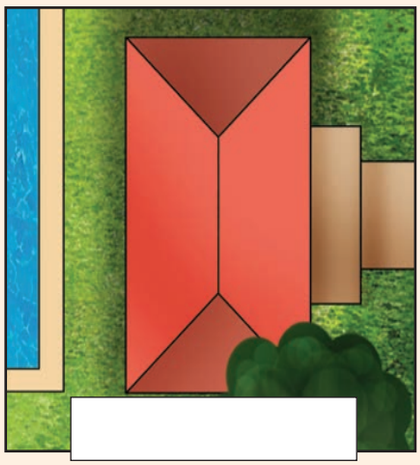


2 Tlola amagama la esithombeni. Ubona ini umuntu lo?

ukubona into ngaphambili	ukubona into ngaphezulu	ukubona into ngemahlangothini







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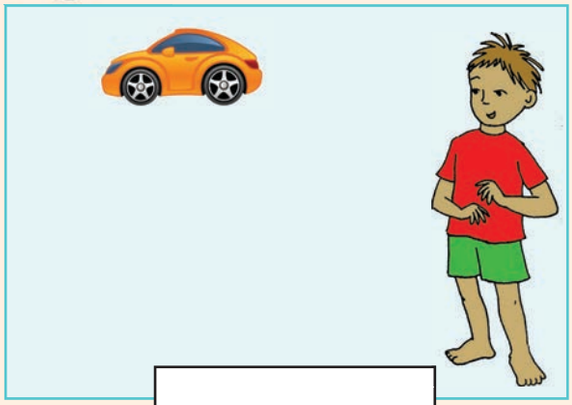
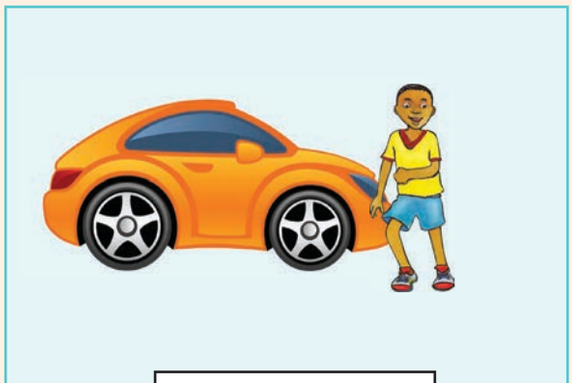
Yitjho kobana ikoloyi ikuphi nomsana. Iseduze nanyana ikude?





Gwala umuthi eduze nakude nomntazana.

eduze

kude

Yenza umsebenzi lo:

- Qala izinto lezi zombili ngamehlo womabili. Ubona ini?
- Vala ilihlo linye ngesandla, ubona ini?

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93

Eminye godu imininingwana

Ilanga:

Hlela iinthelo. Yenza yakho imigwalo utjengise. Tlola inani ngaphakathi kwebhoksi.

Ngokuhlela kuhle ngibeke zoke iinthelo ezifanako ndawonye.

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Gwala iphikthografu eneenthelo ezihlelekileko.

ISIYELELISO:

Qala umncamo bese uphendula imibuzo.

Phendula umbuzo:

Ngisiphi isithelo esinaso ngobunengi?

Ngisiphi isithelo esinaso kancani?

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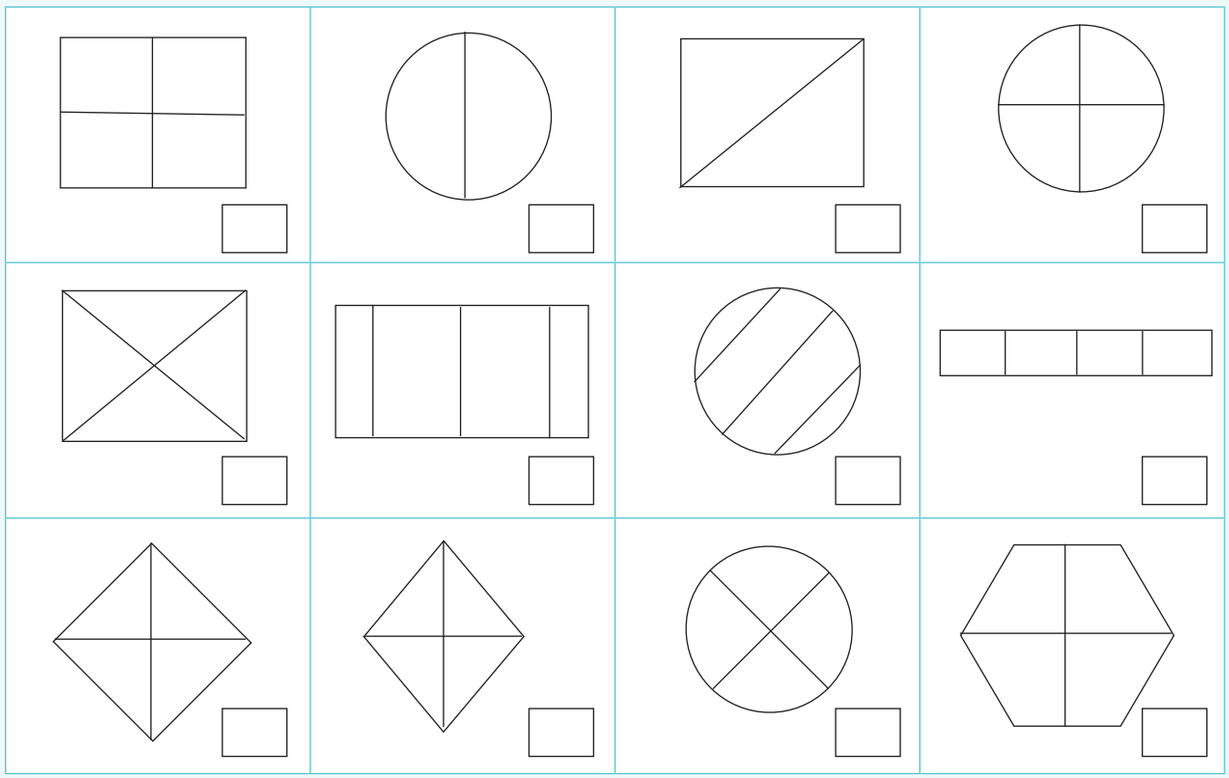
94a

Amacezu – amakota

Ilanga:

1 Khalara ikota yokugcina ngombala ofanako.

2 Thika amajamo atjengisa amakota.
Khalara enye nenye ikota yejamo eyahlukaniswe ngamakota.



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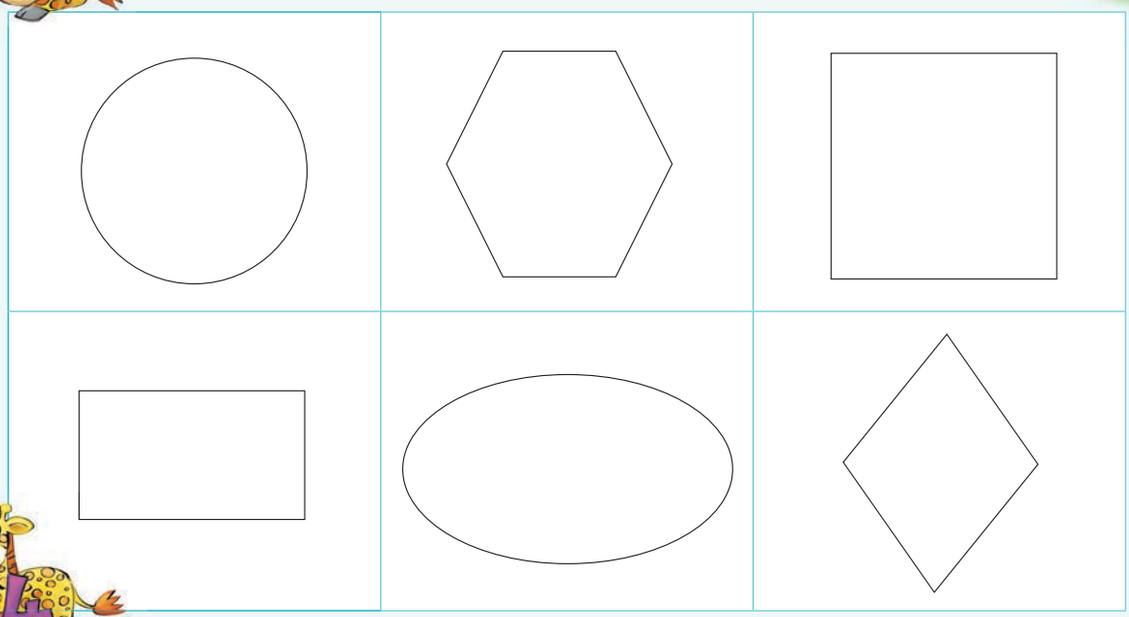
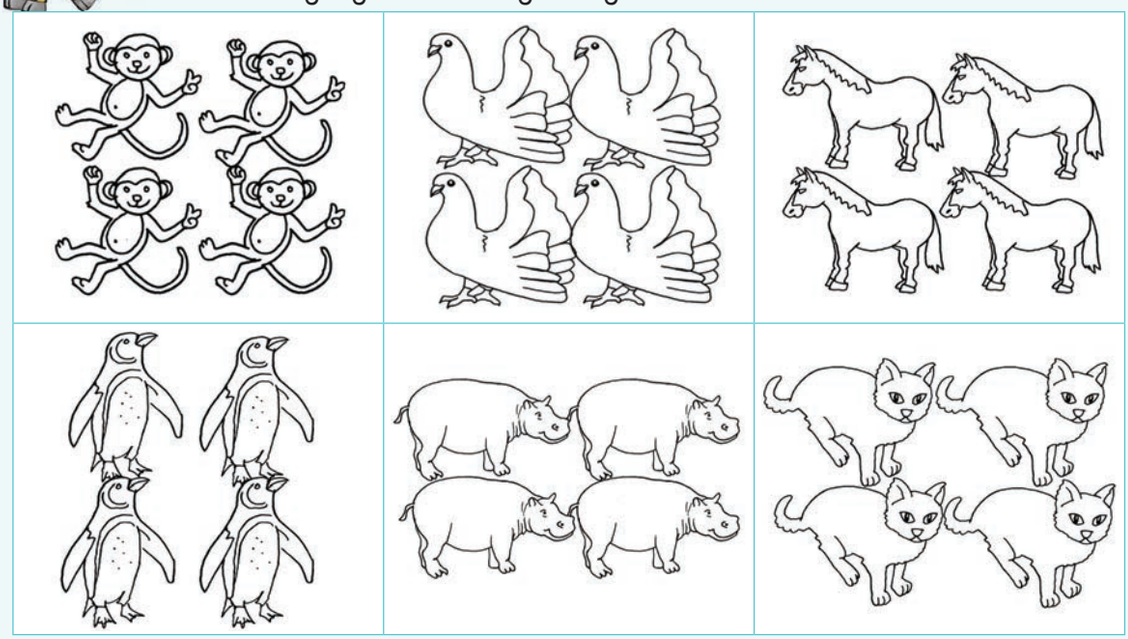
3 Khalara ikotara yinye ebumbekweni leli.



4 Khalara ikota yenyamazana enye nenye.



ikota ikota ikota

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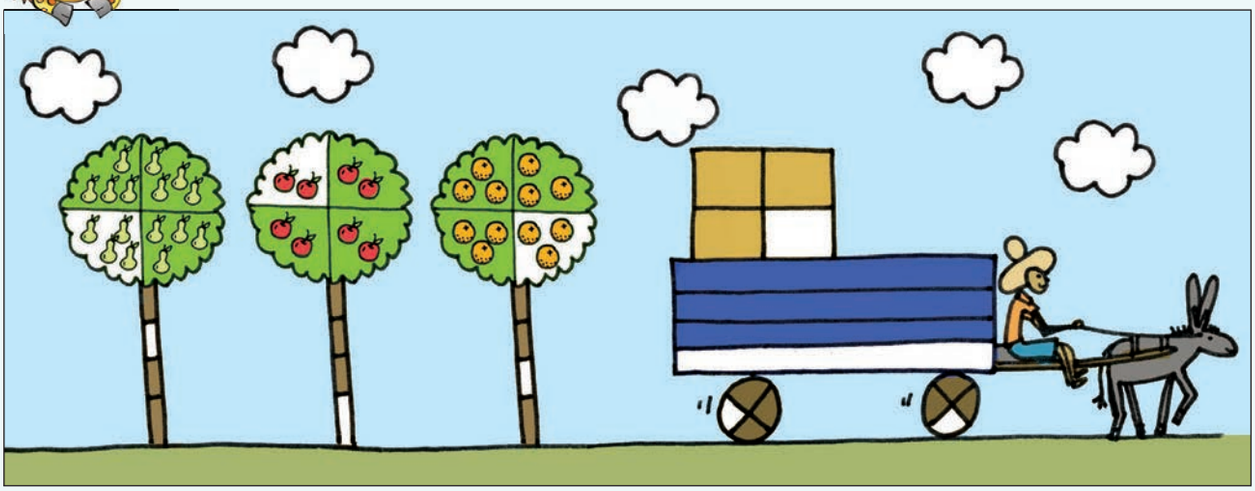
94b

Amacezu – amanye amakota

Ilanga:

1 Khalara ikota yokugcina ngombala ofanako.



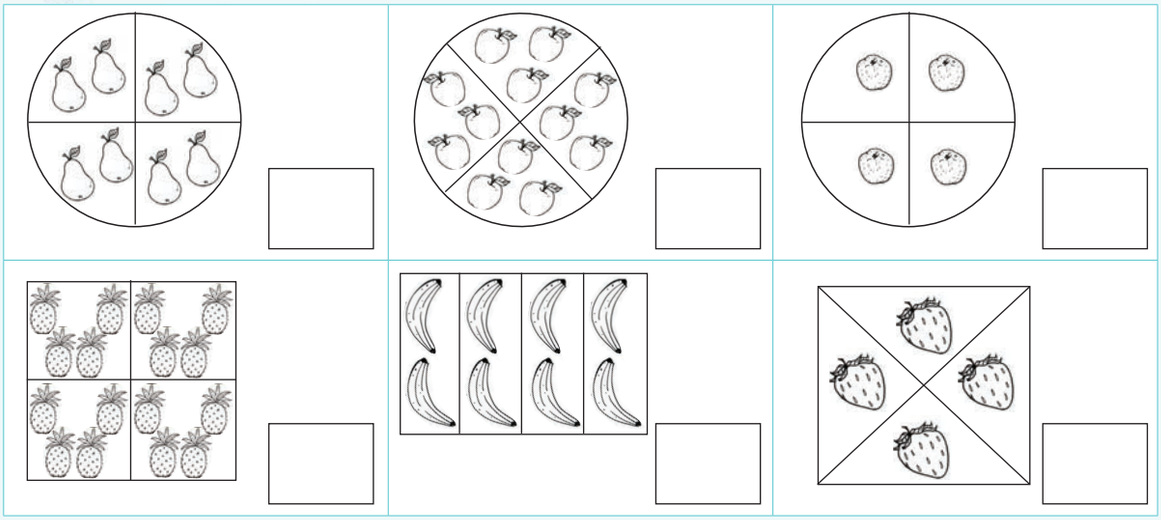
2 Phendula okulandelako:

Nawukhupha i-$\frac{1}{4}$ yamapiyere emthini ipendulo _____.

Nawukhupha i-$\frac{1}{4}$ yama-apula emthini yi-_____.

Nawukhupha i-$\frac{1}{4}$ yama-orentji emthini yi-_____.

3 Khalara i-$\frac{1}{4}$ yesithelo kesinye nesinye isiqhema. Sithini isibalo seenthelo kenye nenye ikota?



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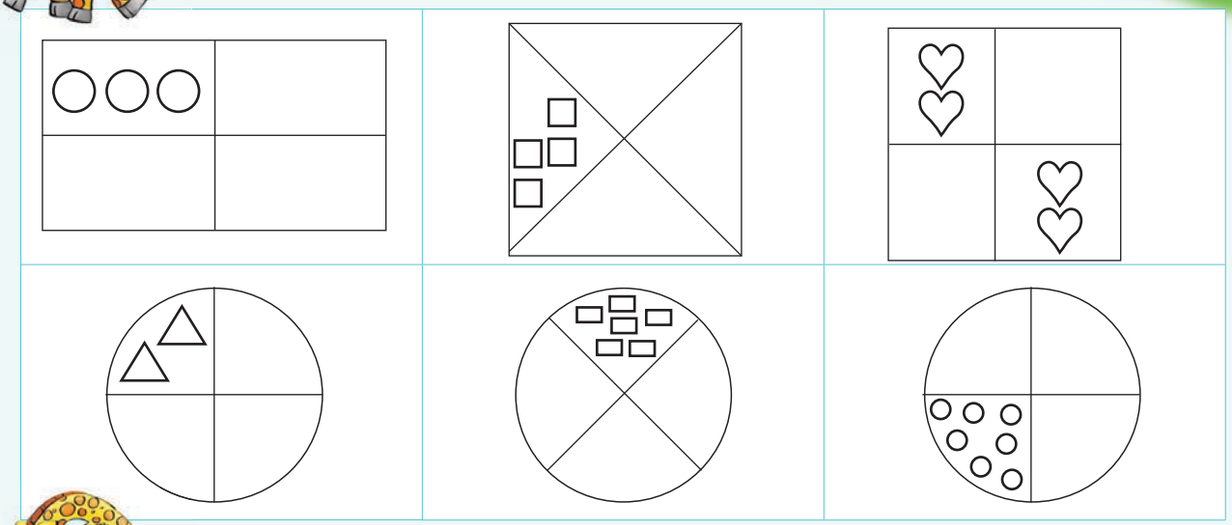
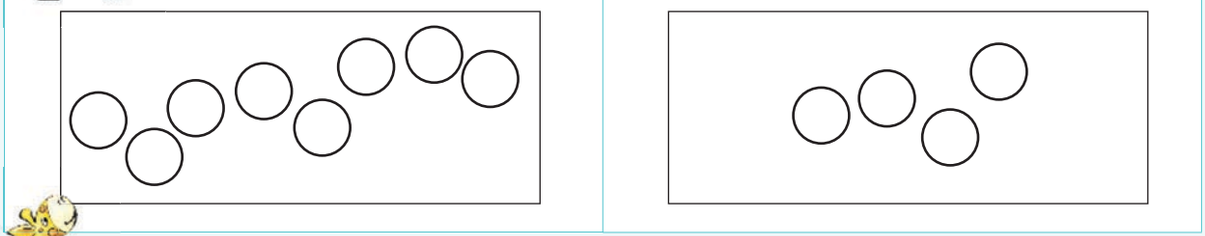
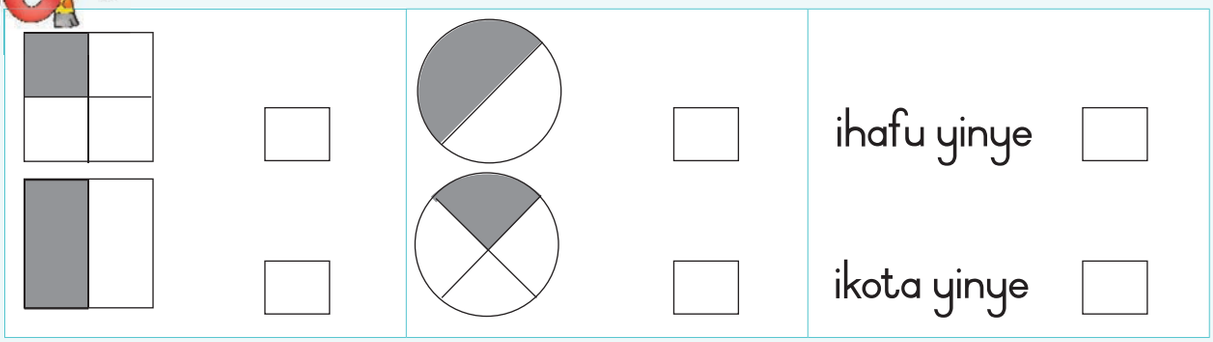
4 Gwala amanye amajamo ukwenza enye nenye ikota ilingane.

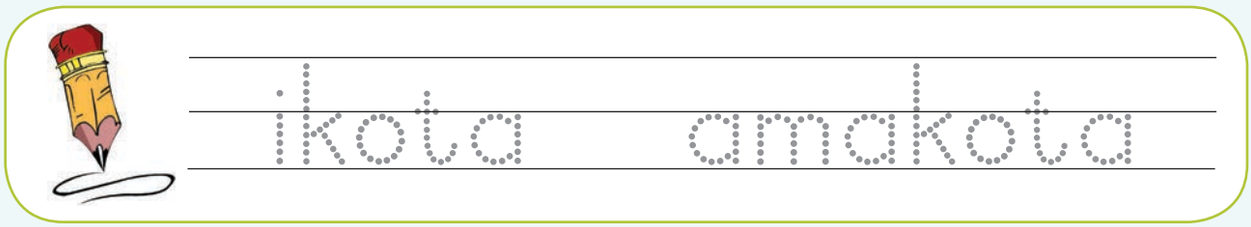


5 Thengisa ikota yamajamo.



6 Ngikuphi okukhulu? Thika ipendulo enembako.





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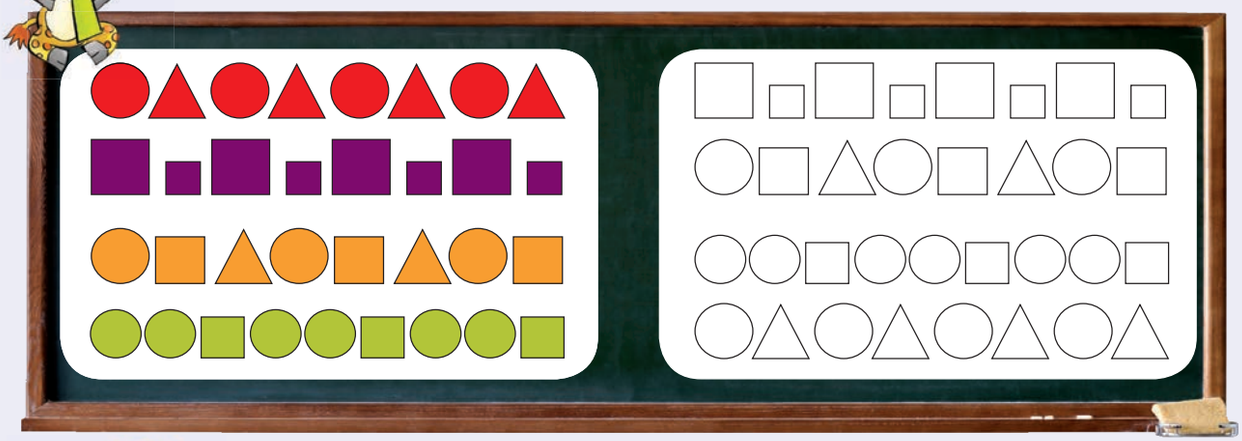
95 Amaphetheni weenomboro anamajamo

Ilanga:

1 Madanisa iphetheni.



2 Kopulula iphetheni elandelako.

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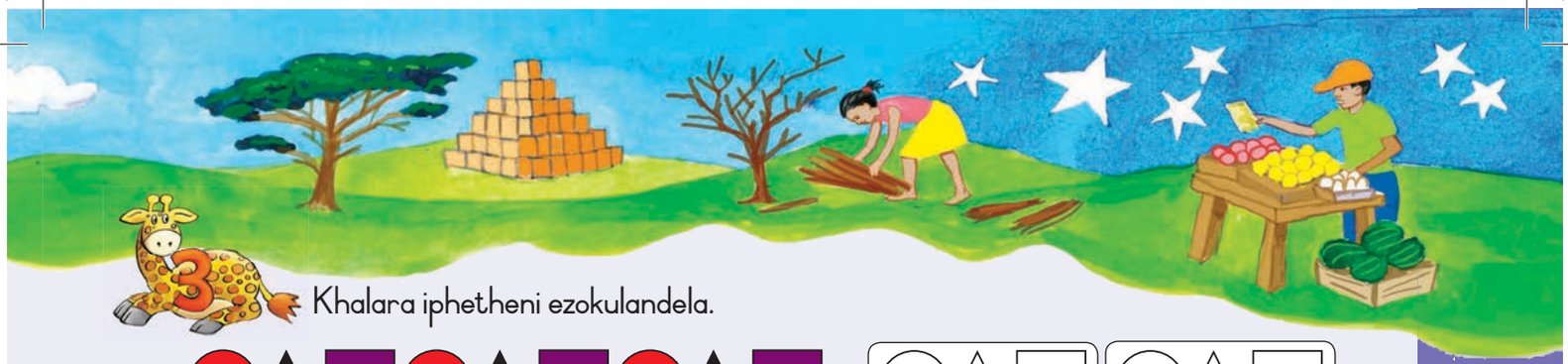
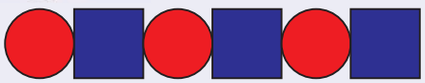
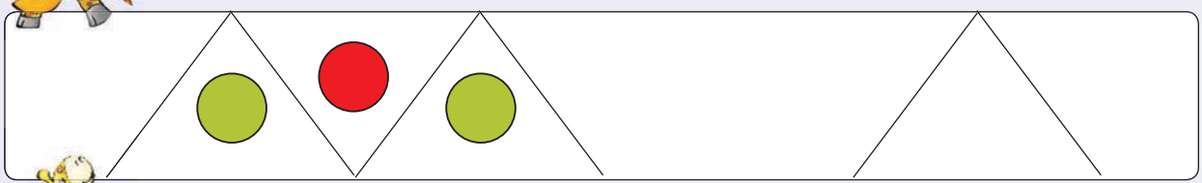


3 Khalara iphetheni ezokulandela.

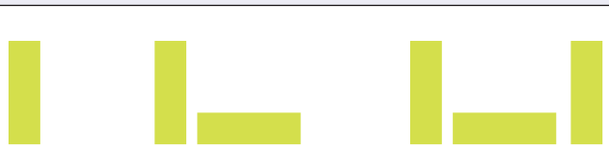
4 Gwala iphetheni elandelako.



5 Yelula iphetheni.



6 Gwala iphetheni elandelako.



7 Gwala iphetheni yakho.

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Date:

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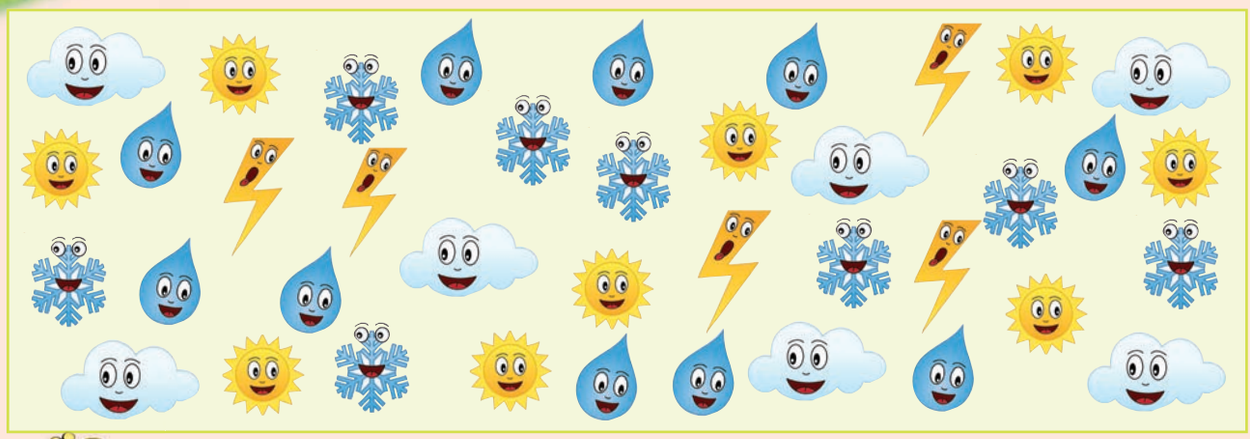
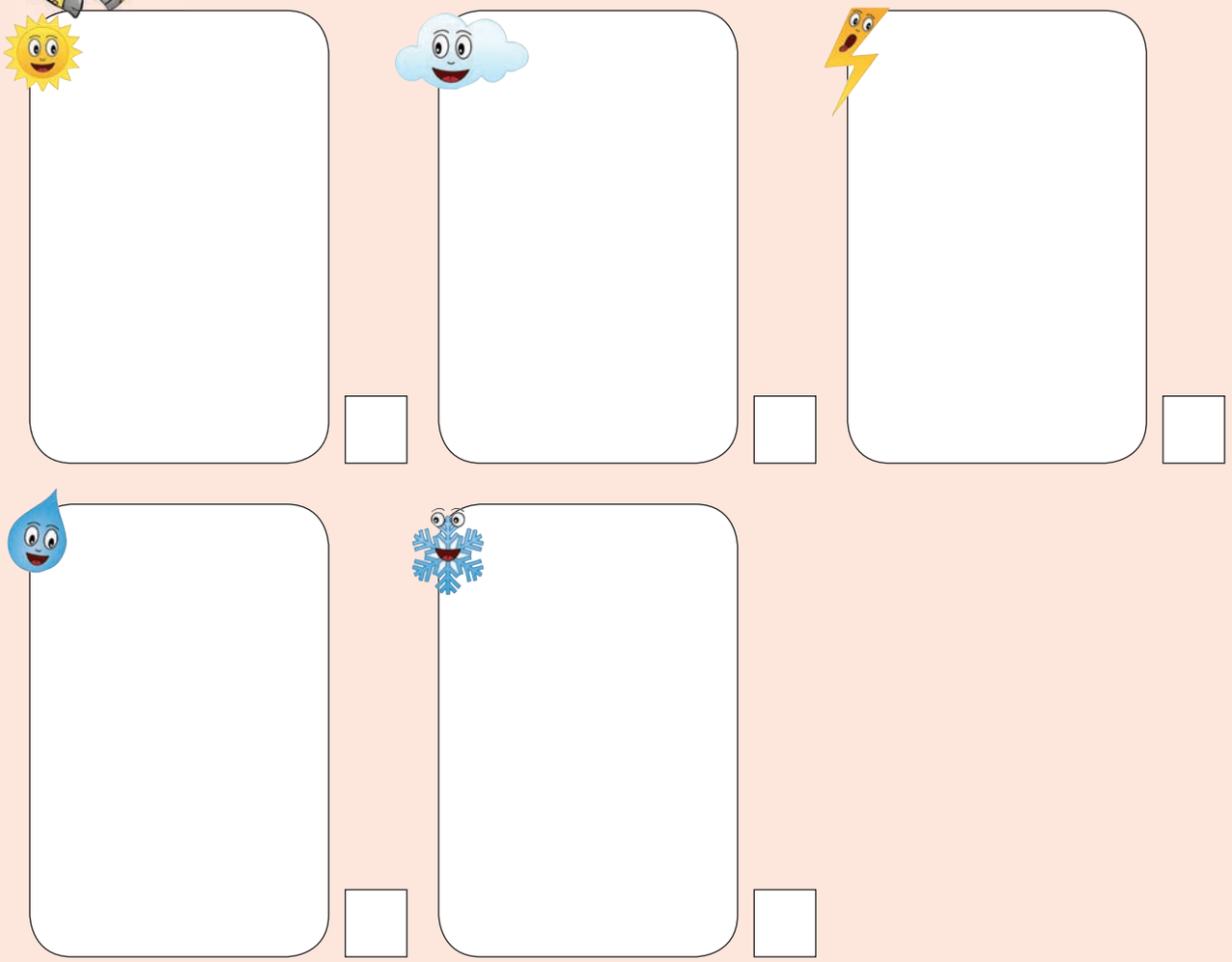
96

Ukuhlela imininingwana

Ilanga:



Hlela amatshwayo weeyeleliso zobujamo bezulu ngendlela efaneleko.
Gwala wakho umgwalo ukhombise. Tlola inani elifaneleko ngebhoksini ngalinye.



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Gwala isithombe sephikthografu ukhombise ukuhleleka kweenyeleliso zobujamo bezulu.

ISIYELELISO:

Sebenzisa iphikthografu engehla ukuze uqedelele ibha-grafu engenzasi. Phendula imibuzo elandelako:

Ingabe besinamalanga amanengi atjhisako nanyana amalanga abe anamafu khona?

Ucabanga kobana kungasiphi isikhathi somnyaka?

Kubayini?

Ingabe lokhu kuzokufana kiwo woke amaphrovinsi?

Teacher:
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Date:

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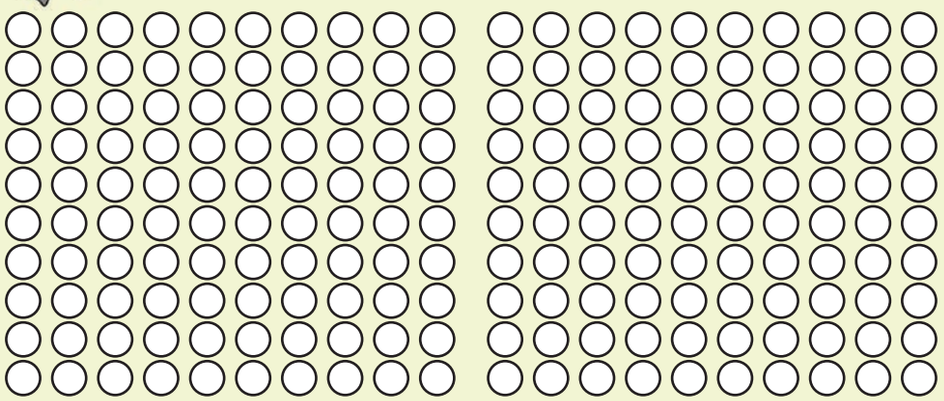
97

Iinomboro 150 – 180

Ilanga:

Khalara ngaphakathi kwesiyingi se-172.



Tlola umutjho weenomboro:

100 + 50 + 8 = 158	=	=
=	=	=

Ngiziphi iinomboro eziza hlangana:

150 ne 158 _____

172 ne 177 _____

180 ne 175 _____

160 ne 155 _____

165 ne 160 _____

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Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu kunenomboro enikelweko.

Ncani kuna-		Inomboro	Khulu kuna-	
		157		
		165		
		178		
		161		
		174		

Qedelela amanambalayini alandelako.

150 151 ☐ 153 ☐ ☐ 156 ☐ ☐ ☐ 160

180 179 178 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

166 167 ☐ ☐ ☐ ☐ 172 ☐ ☐ 175 176

Sika iinomboro ezintathu ezihlangana kwe-150 kanye ne-180 kibomegazini nanyana ephephandabeni. zinamathisele lapha ukusuka kekulu khulu kuya kencani khulu.

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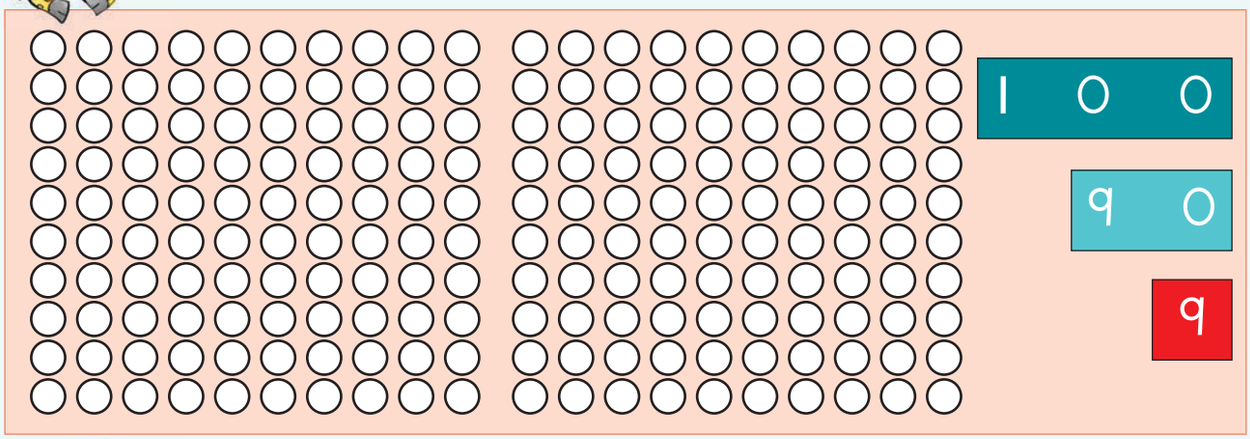
Iinomboro 170 – 200

Ilanga:

1 Khalara ngaphakathi kwesiyingi se-199.



2 Tlola inomboro ejamele:

1 0 0 / 7 0 / 7 100 + 70 + 7 = 177	1 0 0 / 9 0 / 3 =	1 0 0 / 8 0 / 1 =
1 0 0 / 9 0 / 5 =	1 0 0 / 9 0 / 9 =	1 0 0 / 7 0 / 9 =

3 Ngiziphi iinomboro eziza hlangana?

170 ne 175 _____

198 ne 195 _____

180 ne 175 _____

168 ne 173 _____

200 ne 196 _____

1 2 3 4 5 6 7 8 9 10

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Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu kunenomboro enikelweko.

Ncani kuna-		Inomboro	Khulu kuna-	
		170		
		198		
		185		
		174		
		181		

Qedelela amanambalayini.

170 171 172 ☐ ☐ ☐ ☐ ☐ ☐ ☐ 180

175 176 177 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

190 ☐ 192 193 194 ☐ ☐ ☐ ☐ 199 200

Sika iinomboro ezintathu ezihlangana kwe-170 nama-200 emagazinini nanyana ephephandebeni. Zinamathisele lapha kusuka kekulu khulu kuya kencani khulu.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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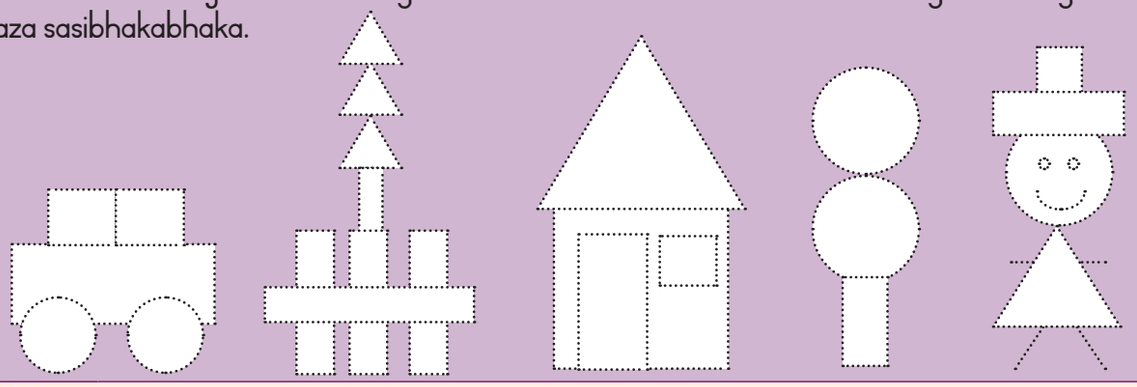
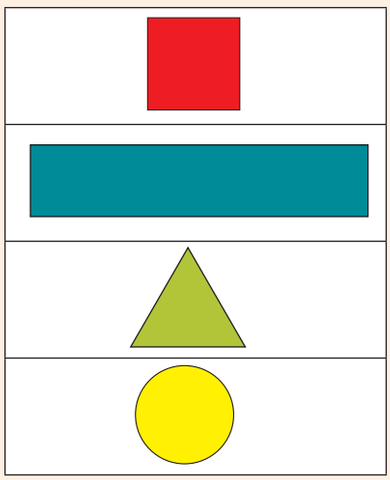
99

Amabumbeko anobujamo be-2-D

Gadangisa woke amabumbeko. Khalara zoke iindulunga ngombala obovu, aboncantathu ngombala ohlaza satjani, iinkwere ngombala osarulani bese kuthi amarekthengela abe ngombala ohlaza sasibhakabhaka.



Madanisa igama nebumbeko elinembako.



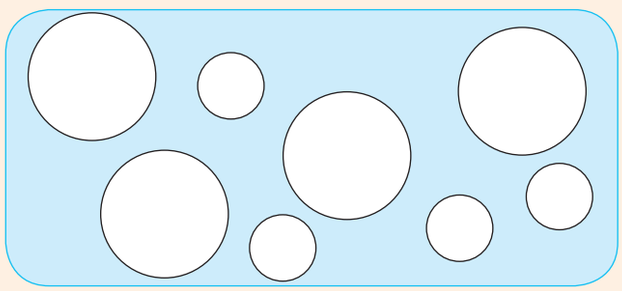
uncantathu
indulunga
isikwere
irekhthengela

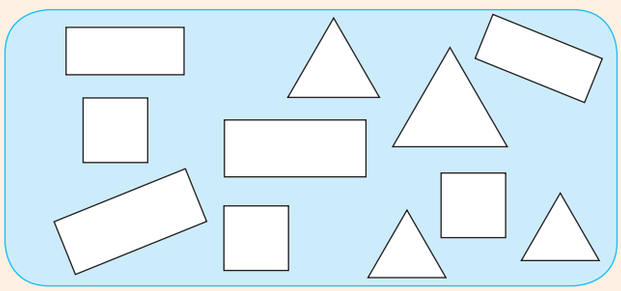
Khalara:

- Iindulunga ezikulu ngombala obovu
- Iindulunga ezincani ngombala osarulani

Khalara:

- Amarekhthengeli amakhulu ngombala obovu
- Amarekhthengeli amancani ngombala osarulani





1 2 3 4 5 6 7 8 9 10

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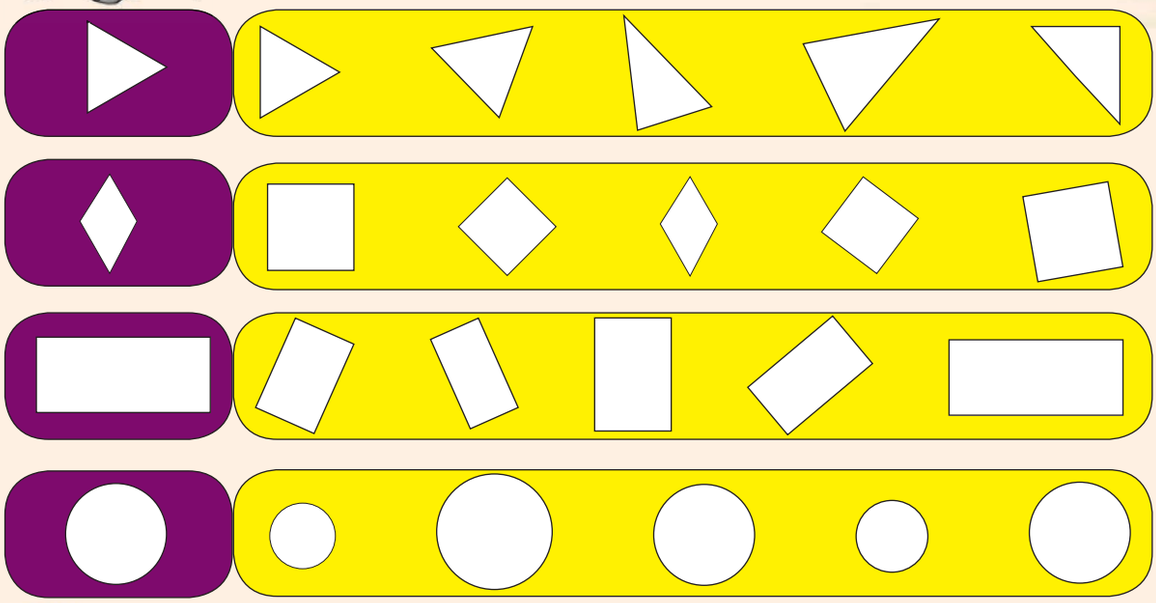
Khalara ijamo elifana nejamo elisekuthomeni.



Gwala isithombe sakho usebenzise iinkwere, amarekhthengela, aboncantathu kanye neendulunga.

Sika emaphepheni amadala bese ukhupha lakho ibumbeko usebenzise iskwere, amarekhthengela, iindulunga kanye naboncantathu.

Teacher:
Sign:
Date:

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100

Iinomboro 0 – 200

Ilanga:

Zingaki ezinye iinomboro ezahlukileko ongazakha.

100		40		2		50		9
	100		100		20		1	
70		8						

Qedelela okulandelako.

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

Tlola ngemabhoksini anganalitho ngamakhulu, amatjhumi kanye namayunidi ukuqedelela isibalo.

181 = ☐ + ☐ + ☐

144 = ☐ + ☐ + ☐

135 = ☐ + ☐ + ☐

156 = ☐ + ☐ + ☐

169 = ☐ + ☐ + ☐

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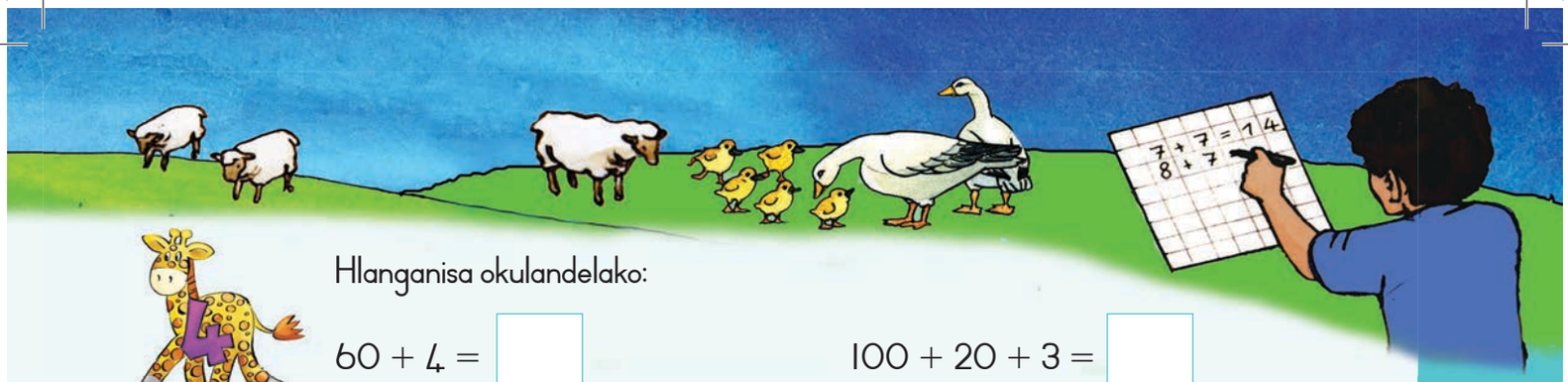

Hlanganisa okulandelako:

$60 + 4 =$ ☐

$90 + 8 =$ ☐

$40 + 7 =$ ☐

$30 + 6 =$ ☐

$50 + 2 =$ ☐

$100 + 20 + 3 =$ ☐

$100 + 40 + 9 =$ ☐

$100 + 70 + 8 =$ ☐

$100 + 60 + 1 =$ ☐

$100 + 50 + 5 =$ ☐

Tlola inomboro etlhayelako:

$70 +$ ☐ $= 71$

$30 +$ ☐ $= 38$

$60 +$ ☐ $= 69$

$20 +$ ☐ $= 24$

$80 +$ ☐ $= 85$

$100 +$ ☐ $+ 3 = 153$

$100 +$ ☐ $+ 9 = 169$

☐ $+ 70 + 8 = 178$

$100 +$ ☐ $+ 1 = 191$

$100 + 50 +$ ☐ $= 157$

Zenzele zakho iimbalo usebenzise amakhulu, amatjhumi kanye namadjijidi.

☐ + ☐ + ☐ = ☐

☐ + ☐ + ☐ = ☐

Ngiyiphi inomboro ekulu (K)?

5 0	9	
1 0 0		

☐

1 0 0		
9	4 0	

☐

Ngiyiphi inomboro encani (Nc)?

4	5 0	
1 0 0		

☐

Teacher:

Sign:

Date:

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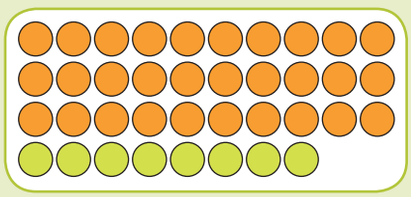
Ilanga:

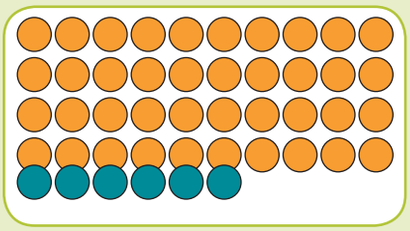
Ukuhlanganisa nokukhupha

Ithemu 4

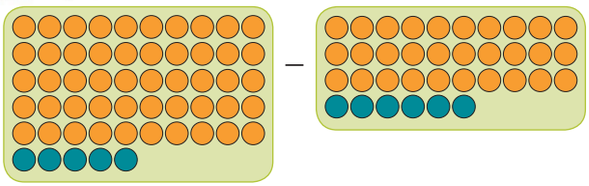
Qala ibhodi yeenomboro nomncamo. Khuluma ngokusebhodini.

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

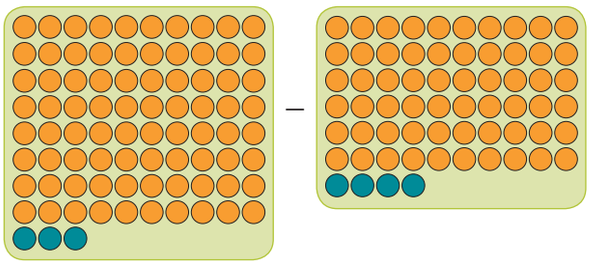




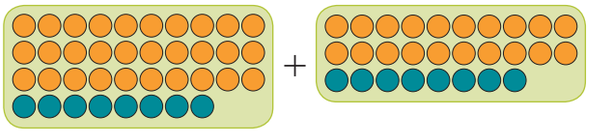
Hlanganisa nanyana ukhuphe.



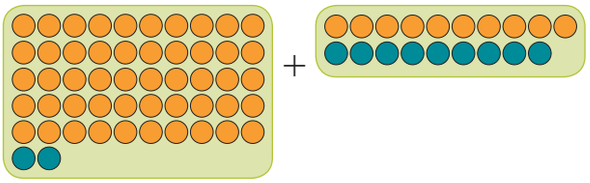
50 5 − 30 6
= 40 + 15 − 30 − 6
= 10 + 9
= 19



□ □ − □ □
= □ + □ − □ − □
= □ + □
= □



□ □ + □ □
= □ + □ + □
= □ + □ + □ + □
= □ + □
= □



□ □ + □ □
= □ + □ + □
= □ + □
= □

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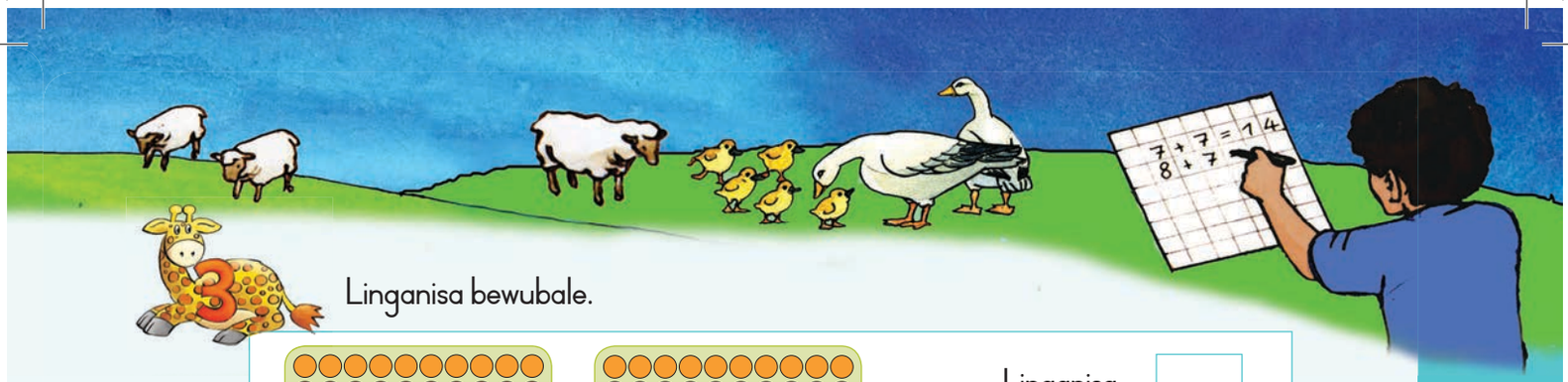
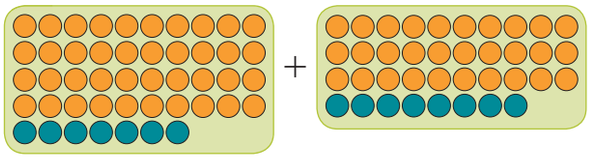
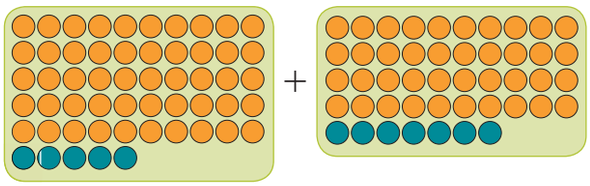


Linganisa bewubale.



Linganisa ☐

Bala ☐



Linganisa ☐

Bala ☐

Bala usebenzisa yakho indlela.

53 + 39	92 – 48

Hlanganisa inomboro 39 kanye nenomboro 29.

☐

Nawukhupha u-19 ku-43 kusala?

☐

Khupha inomboro 74 kanye nenomboro 45.

☐

Nawukhupha u-69 ku-82 kusala?

☐

Teacher:

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Date:

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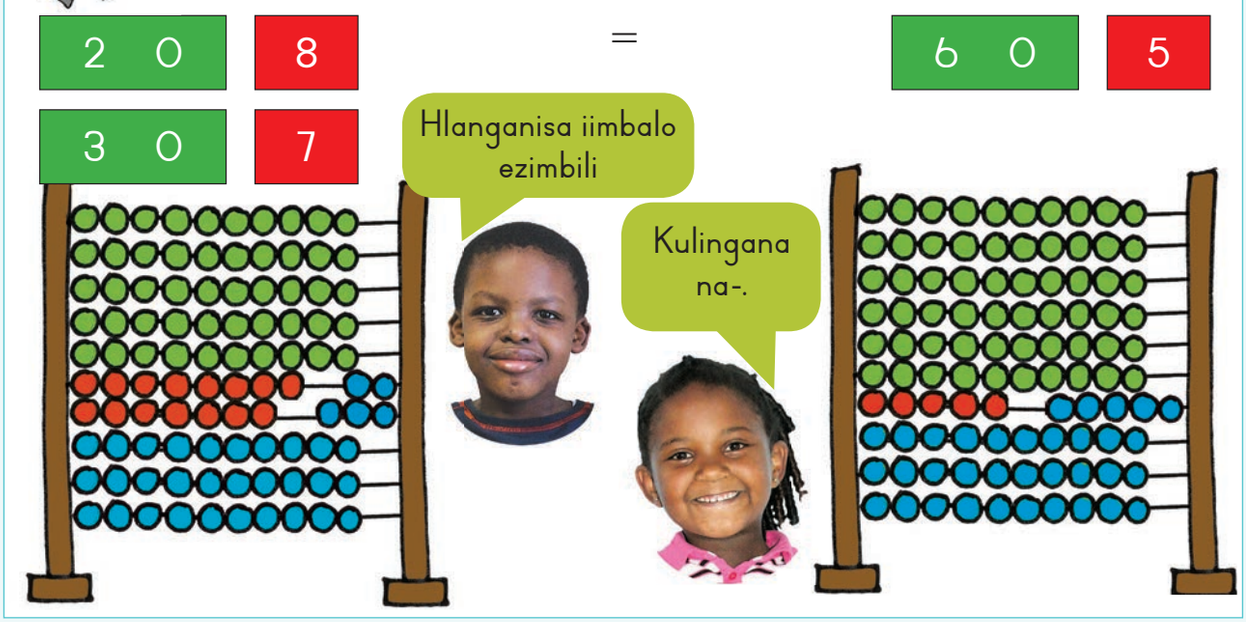
102

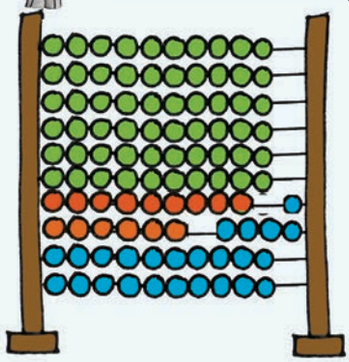
Ukuhlanganisa nokukhupha godu

Ilanga:

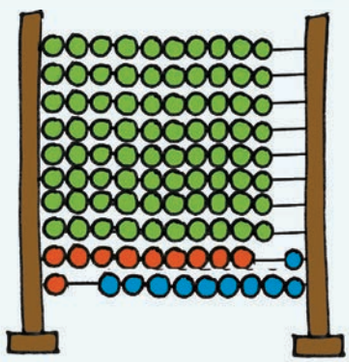
Qala i-abhakhasi ngesandleni sokudla kanye nangesinceleni. Ubona ini?



Tlola isibalo esihlanganisako kanye nesikhuphako. Balisisa.



Isibalo esihlanganisako	Isibalo esikhuphako



Isibalo esihlanganisako	Isibalo esikhuphako

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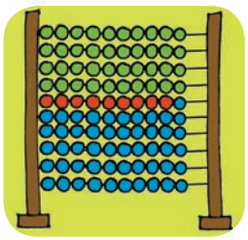
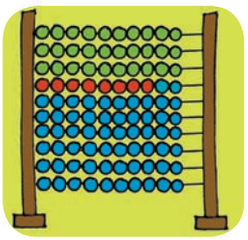
3 Linganisa bese uyabalisisa.

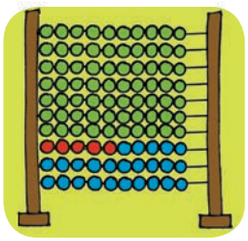


+

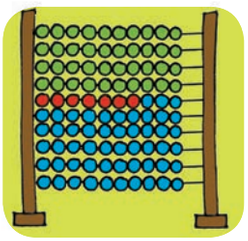


Linganisa ☐

Balisa ☐



–



Linganisa ☐

Balisa ☐

4 Balisisa usebenzisa indlela yakho.

58 + 35	34 – 26

5

Uyini umphumela weenomboro 74 no-19?

Inani laka-46 no-27

Khupha u-34 ku-72.

Umehluko waka-81 no-36.

Teacher:

Sign:

Date:

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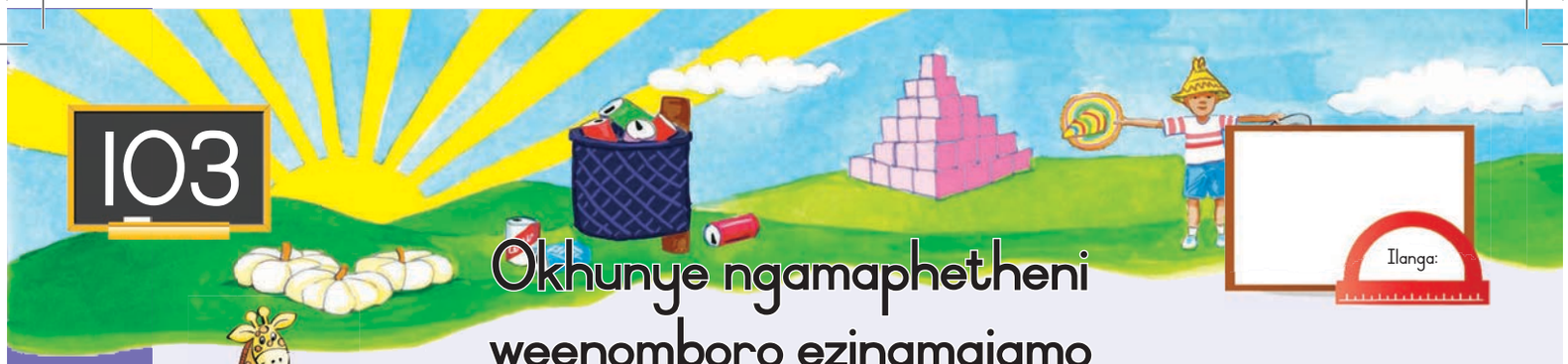
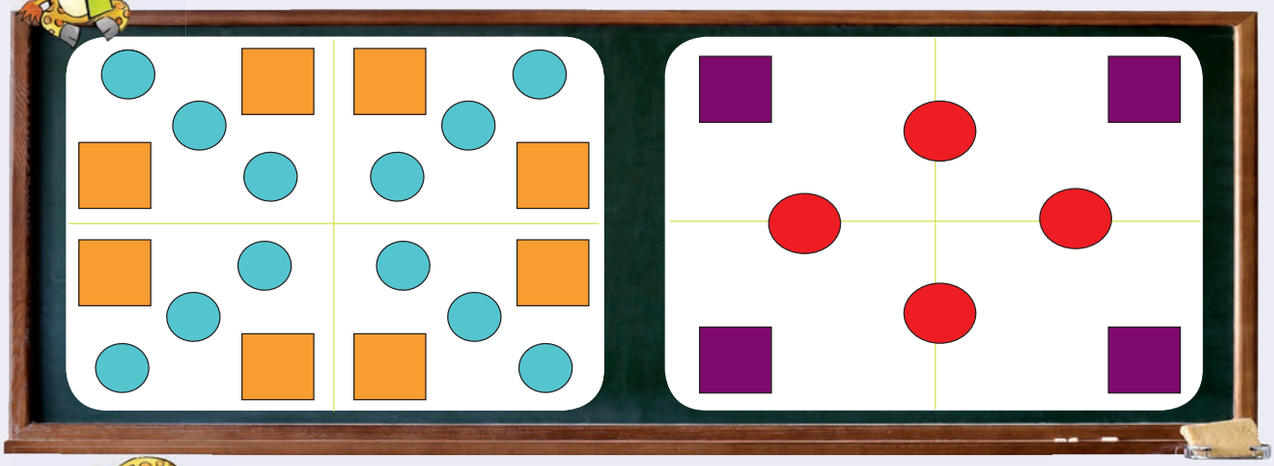
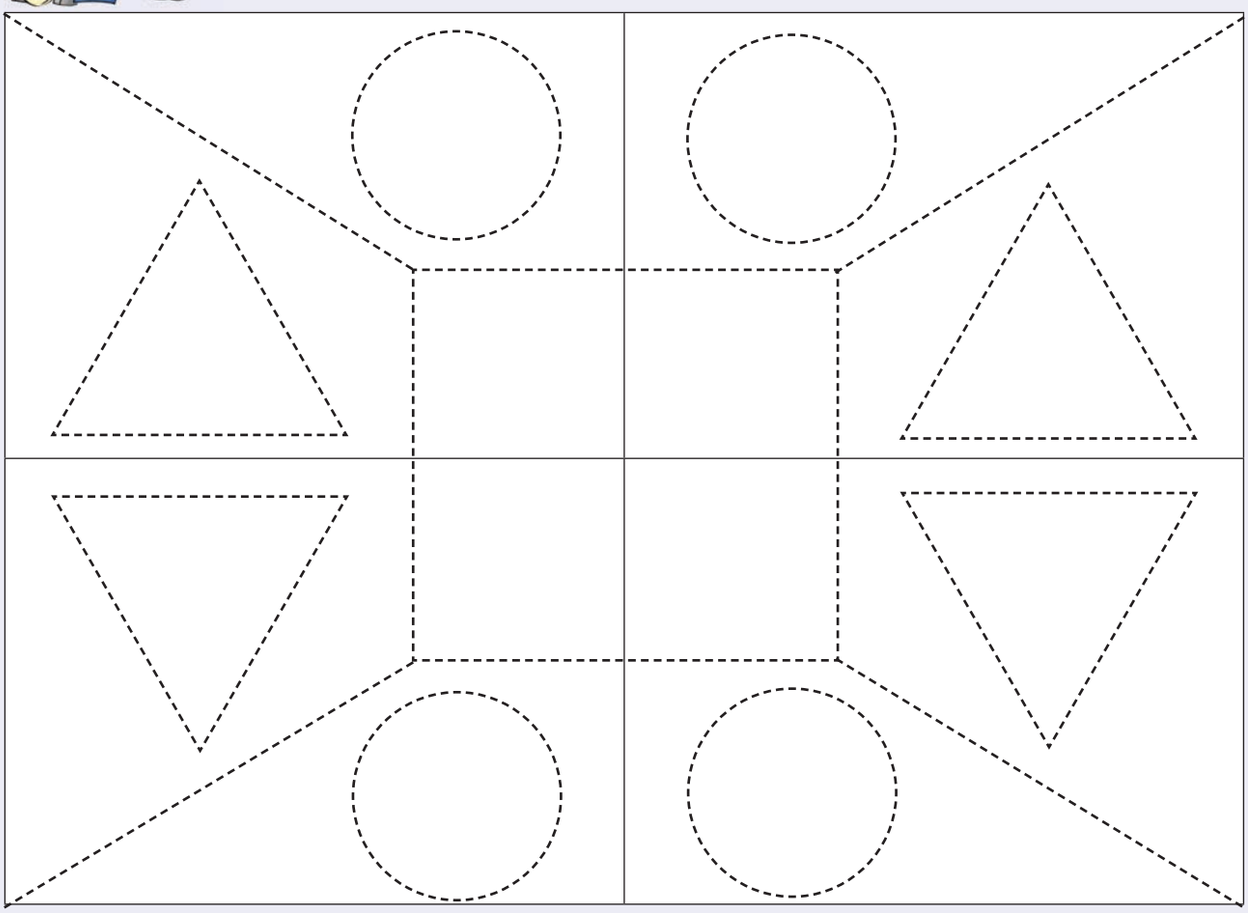


Okhunye ngamaphetheni weenomboro ezinamajamo

Hlathulula iphetheni.



Gadangisa iphetheni bese uyayikhalara.



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Gadangisa iphetheni bese uyayikhalara.

Zenzele iphetheni yakho usebenzisa amajamo.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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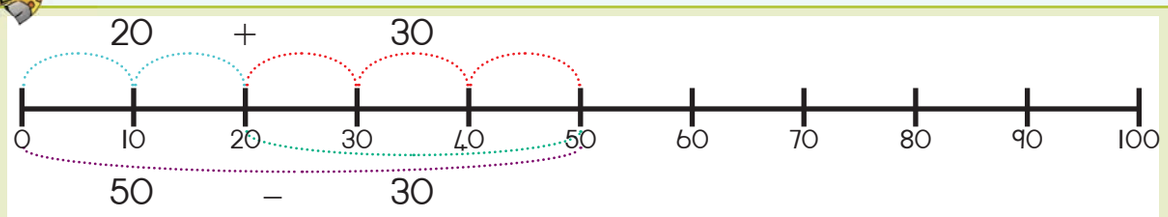
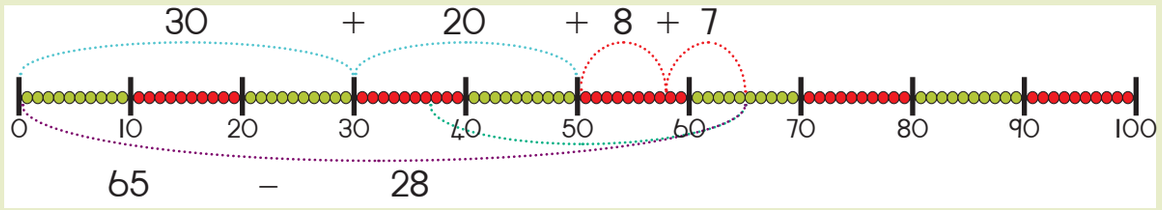
104 Ukuhlanganisa nokukhupha

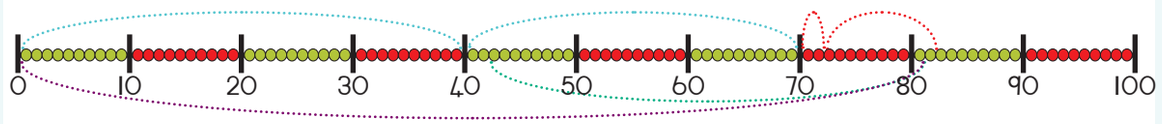
Ilanga:

1 Qala amanambalayini. Coca ngawo.

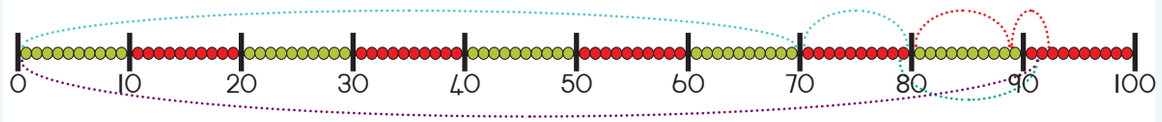




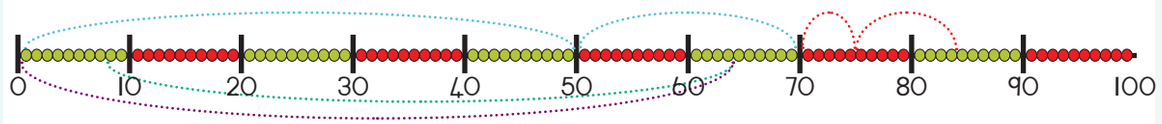
2 Tlola isibalo sokuhlanganisa nesokukhupha usebenzise amanambalayini.



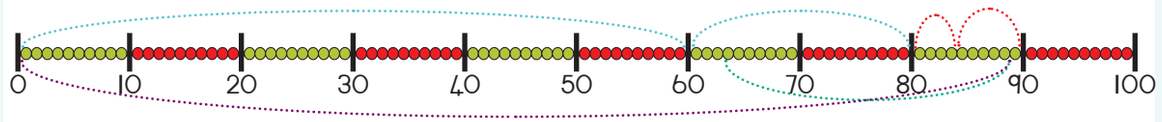
Isibalo sokuhlanganisa: _____ Isibalo sokukhupha: _____



Isibalo sokuhlanganisa: _____ Isibalo sokukhupha: _____



Isibalo sokuhlanganisa: _____ Isibalo sokukhupha: _____



Isibalo sokuhlanganisa: _____ Isibalo sokukhupha: _____

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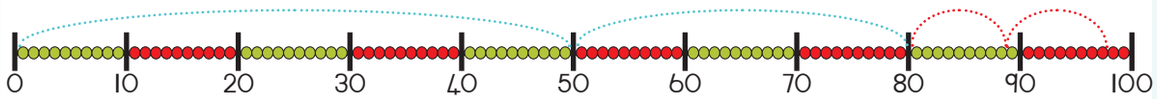
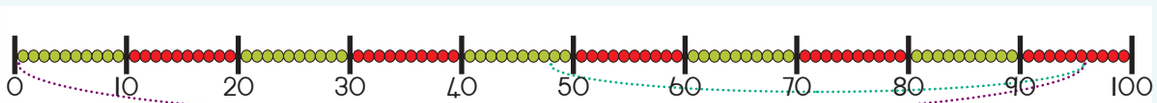
Linganisa bese uyabalisisa inani lomncamo.



Linganisa: _____ : Balisisa: _____



Linganisa: _____ : Balisisa: _____

Balisisa usebenzisa yakho indlela.

74 + 18	72 – 43

Uyini umphumela waka-82 no-9?

Hlanganisa u-79 no-13.

Khupha u-44 ku-52.

Nawukhupha u-59 ku-98 kusala.

Teacher:
Sign:
Date:

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105 Okhunye ukuhlanganisa nokukhupha

Ilanga:

Yenza amahlangothi alingalingane.

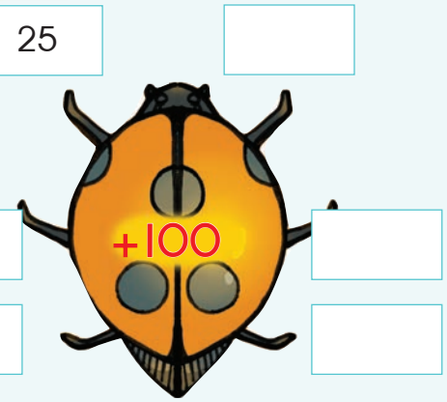
10 + 4 + 5 9 + ☐ + ☐

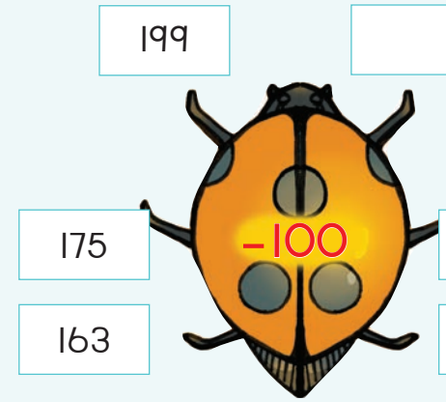
90 – 50 ☐ – 20

2 Qedelela okulandelako:

Okhunye okukodwa ngaphezulu		Kutlhayela ngakhunye		10 okulitjhumi ngaphezulu		10 kutlhayela ngetjhumi	
6	7	4	3	40	50	40	30
5		8		10		150	
3		10		60		20	
9		9		70		110	
2		2		20		200	
7		7		80		60	
4		6		30		180	
8		3		100		70	

3 Qedelela amadayagramu alandelako.





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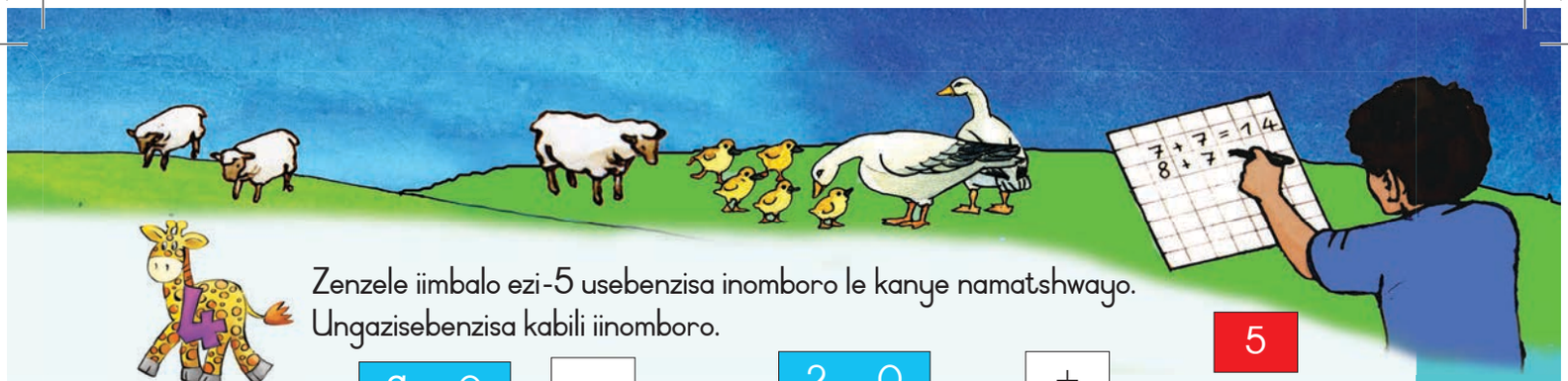

Zenzele iimbalo ezi-5 usebenzisa inomboro le kanye namatshwayo.
Ungazisebenzisa kabili iinomboro.

9 0 | − | 2 0 | + | 5

100 | 4 | 3 | 30

Qala iinomboro bese wenza Iimbalo ezinengi zokukhupha nanyana zokuhlanganisa ezinependulo etlolwe ebhodini, isib. $3 + 4 = \boxed{7}$.

Yini ukuhlanganisa?

2 6 5 7 8 4 7 3 9

Yini ukukhupha?

4 5 9 7 10 6 2 8 3

Bala okulandelako usebenzisa yakho indlela.
Tjengisa koke lapha ubale khona.

48 + 36	85 – 59

Rarulula isibalo samagama. Yenza umgwalo ukutjengisa ipendulo yakho.

Ngizibulungele i-R42, ubaba wase ungipha i-R29. Ingabe nginamalini seyiyoke?	Ngina-R78, ngithenga iincwadi zeR34. Ingabe ngisele namalini?

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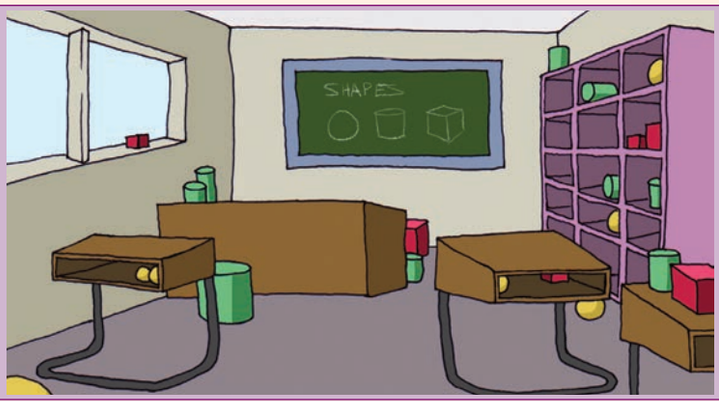
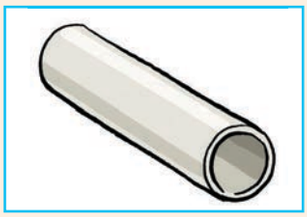
Amabumbeko anobujamo 3-D

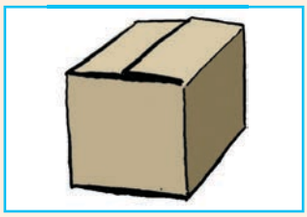
Ilanga:

Akuphi amabhoksi, iimbholo kanye namasilinda?



Yitjho nangabe libhoksi, yibholo nanyana isilinda.





Thola isithombe salokhu bese unamathisela lapha:

Ibholo	Ibhoksi	Isilinda

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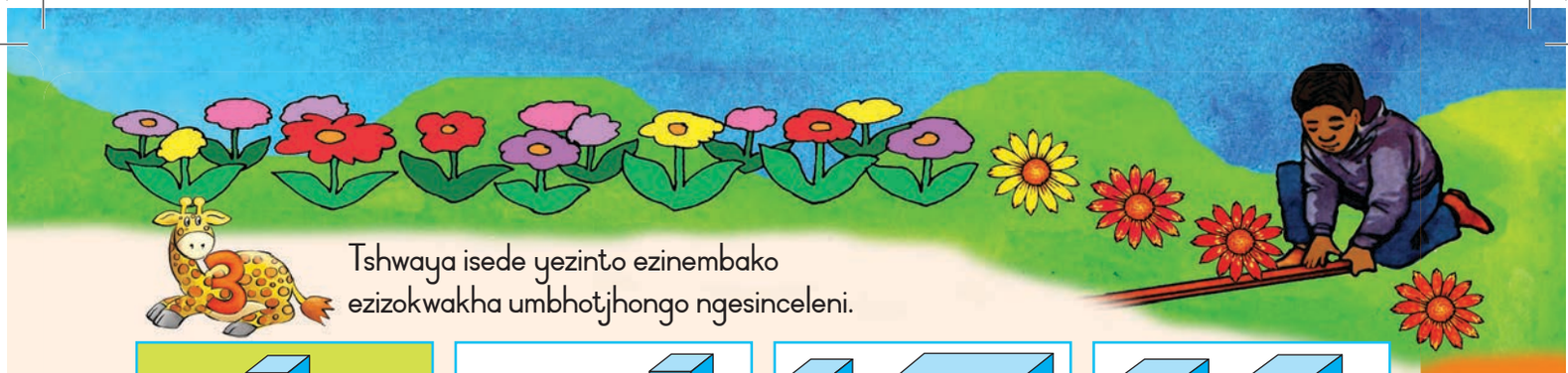
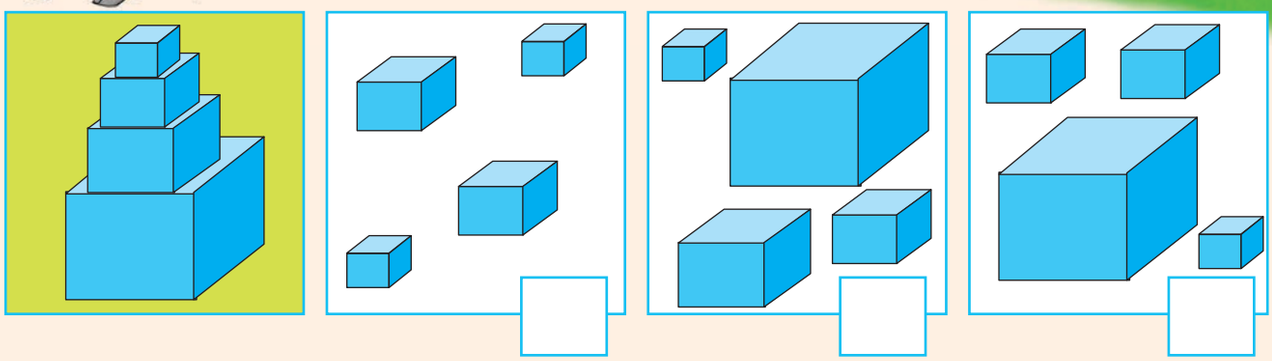
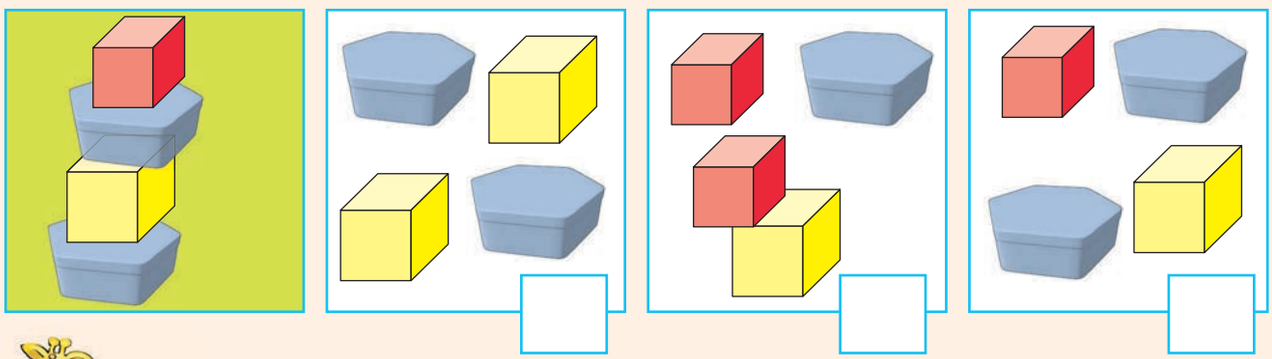
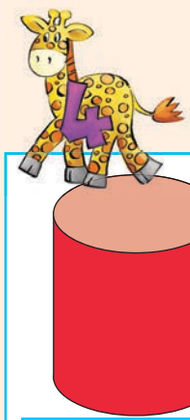


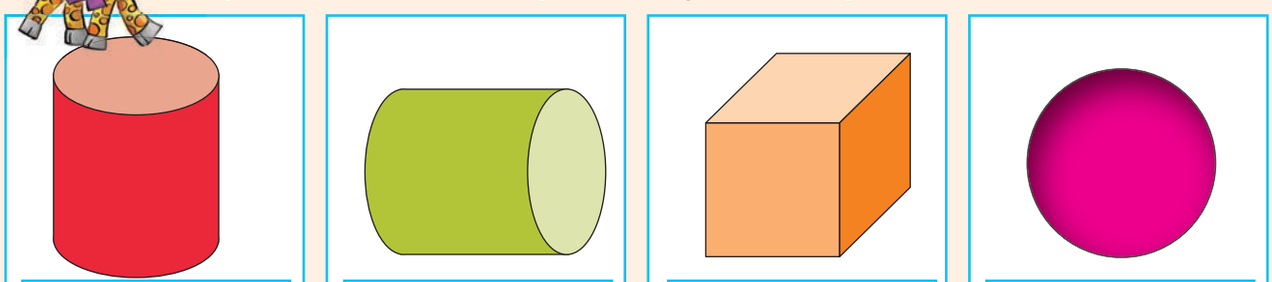
Tshwaya isede yezinto ezinembako ezizokwakha umbhotjhongo ngesinceleni.







Yitjho kobana lokhu kuzokugedeka nanyana kuzokutjhelela na.



Kwenu nanyana eduze kwakho kunento ebonakala njengalokhu:

- Isilinda _____
- Ibholo _____
- Amabhoksi _____

Teacher:
Sign:
Date:

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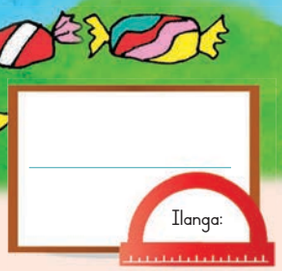
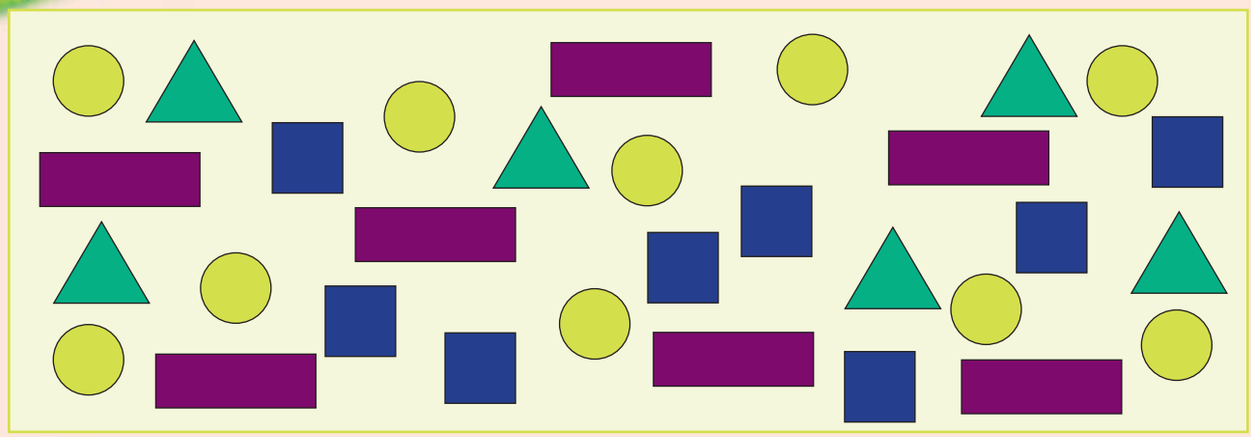
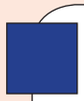


Idatha engezelelweko



Hlela kuhle amabumbeko. Gwala wakho umgwalo ukhombise ama-phikthografu ahlelekileko. Tlola inani elifaneleko ngebhoksini ngalinye.



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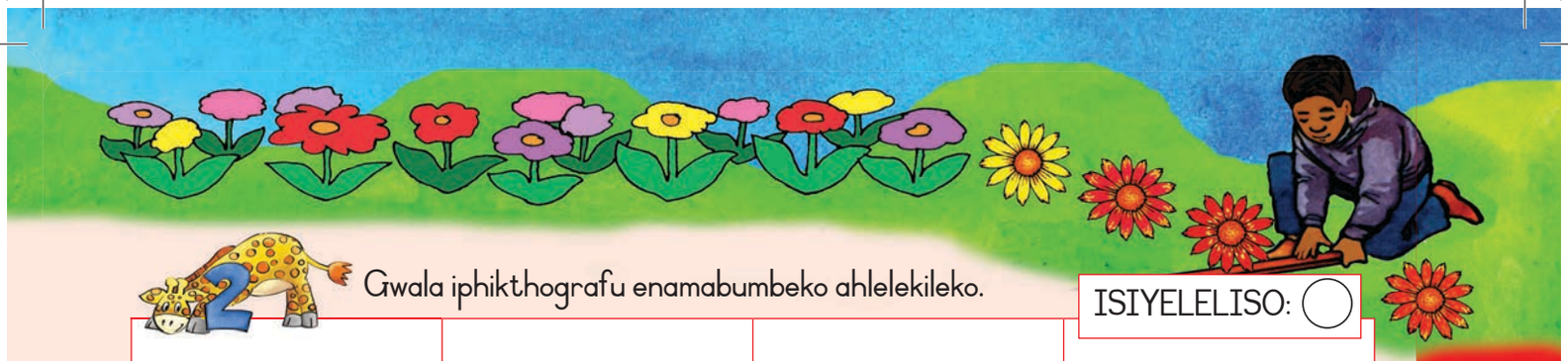

Gwala iphikthografu enamabumbeko ahlelekileko.

ISIYELELISO:

Khalara amabhlogo ukuze uqedelele ibhagrafu yakho.

Zingaki iiyingi ezilapho?

Zingaki iinkwere ezilapho?

Mangaki amarekhthengele alapho?

Bangaki aboncantathu abalapho?

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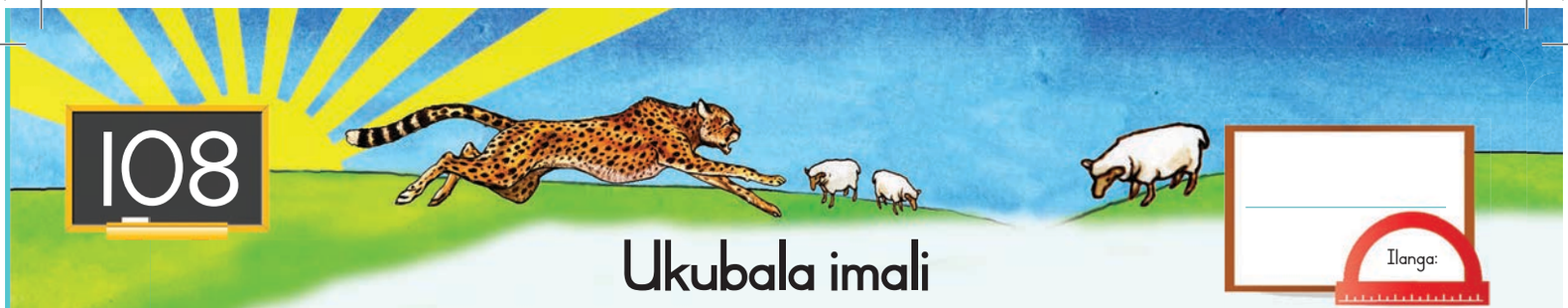

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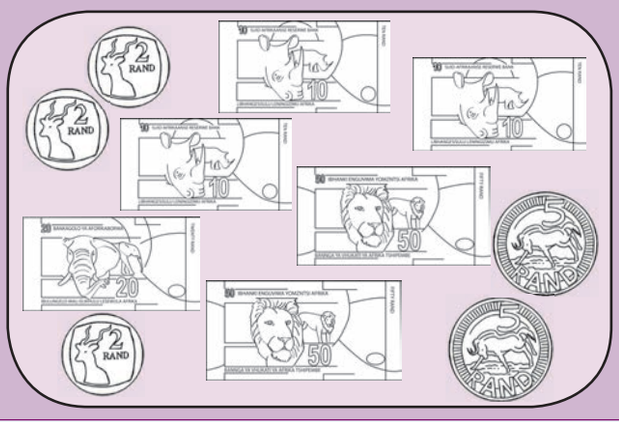
Ukubala imali

Ilanga:

Khalara imali emumuwa engenza ama-95c. Khalara imali emumuwa engenza ama-R99.



Khalara imali emumuwa ezokunikela inani. Ngilokhu kwaphela okuhlanganisileko.

		Iye	Awa
75c			
85c			
90c			

Khalara imali emumuwa nemali yamaphepha engakunikela inani elilandelako: Ngiyo indlela oyisebenzisileko le.

		Iye	Awa
R87			
R75			
R94			

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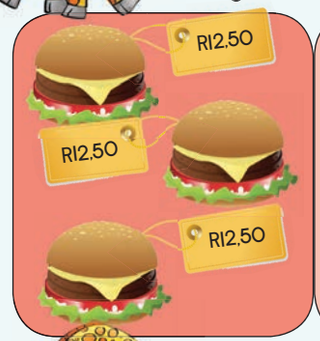
USipho uthenge amabhega amabili.
Ibhega yinye ibiza amaranda ali-RI2,50. Ukhokhe malini?
Tjengisa imali yamaphepha nemali. Eziinhlamvu ukutjengisa ipendulo yakho.
Ubuye uyitlole godu njengomutjho weenomboro.

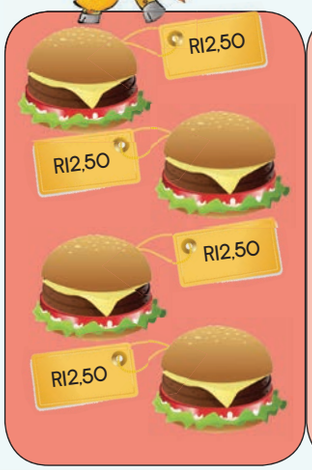
Imitjho yeenomboro:RI2,50 +
RI2,50 =

Nangabe uSipho uthenga amabhega amathathu?



Imitjho yeenomboro:

Nangabe uSipho uthenga amabhega amane?



Imitjho yeenomboro:

USipho angathenga amahambhega amangaki ngemali ema-R87,50?
gwala umgwalo ofana nalo ongehla ukuze ukusize ukurarulula isibalo. Sebenzisa iphepha elinye ngeqadi.

Teacher:
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Date:

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Ilanga:

Ukurarulula umraro wemali

Ngingafunyana ini nange ngithengisa amatjokoleydi? Qala linthombe bese uragela phambili ngephetheni.

Itjhokoledi eli-1

Amatjhokoledi ama-2

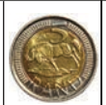
Amatjhokoledi ama-3

Amatjhokoledi ama-4

USheila uthengisa ama-hotdog nga-R4 lilinye. Qedelela itheyibula ukuze umsize athole amanani amakhulu woku-oda.

Inani lama-hotdog	1	2	3	4	5	6	7	8	9	10
Iinhlamvu zemali										
Inani ngamaranda	R4									

Nangabe uSheila ubiza ama-R5 i-hotdog ngayinye?

Inani lama-hotdog	1	2	3	4	5	6	7	8	9	10
Iinhlamvu zemali										
Inani ngamaranda	R5									

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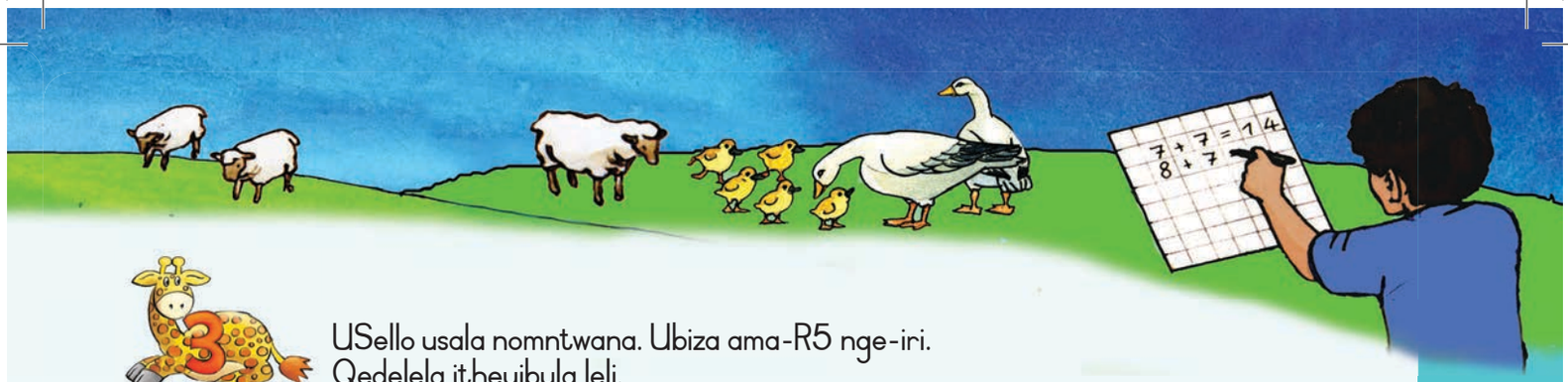

USello usala nomntwana. Ubiza ama-R5 nge-iri.
Qedelela itheyibula leli.

Inomboro yama-iri	1	2	3	4	5	6	7	8	9	10
Inani ngamaranda										

USello uqunta ukukhuphula ngokubuyelelwe kabili inani lemali ezokubhadelwa.
Tjengisa itheyibula.

Inomboro yama-iri	1	2	3	4	5	6	7	8	9	10
Inani ngamaranda	25	30								

Gwala isithombe utjengise iindleko zakaSelo zokuba yimbelesi ama-iri abu-8 abiza ama-R5 nge-iri.

Ufuna ukuthenga amamafini ali-10. imafini ngayinye ibiza ama-R10. Uzokubhadela malini : Imafini eli-1, ama-2, ama-3, ama-4, ama-5, asi-6, ali-7, abu-8, ali-9, ali-10. Tjengisa isibalo sakho etheyibuleni elisephepheni elinye elingeqadi.

Teacher:
Sign:
Date:

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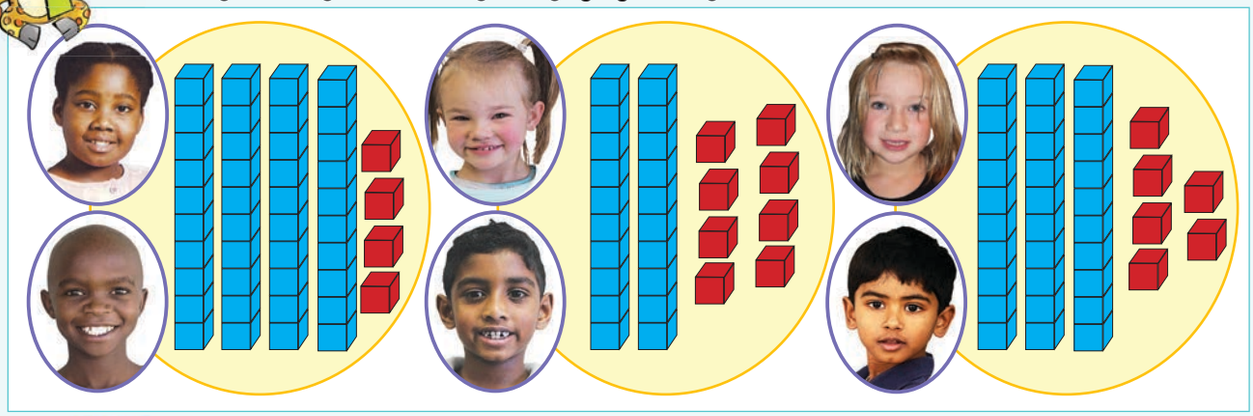
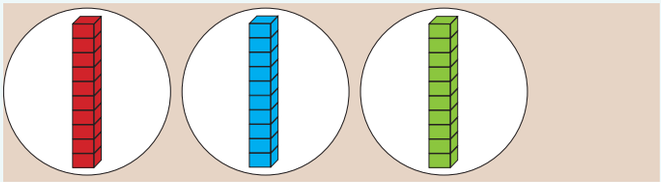
Amabuthelelo nokwabelana

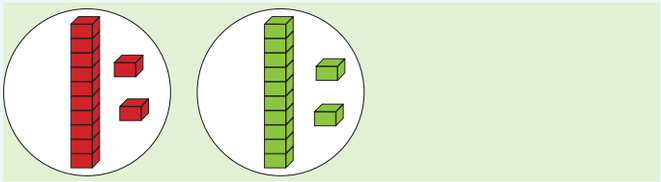
Ilanga:

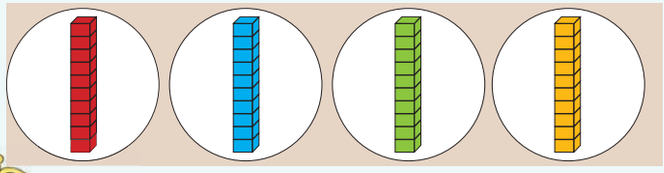
1 Mabhlogo amangaki endulungeni ngayinye hlangana nabentwana?



2 Mangaki amabhlogo asendulungeni ngayinye? Tlola inani elihlangeneko ngendulungeni ehlaza kwesibhakabhaka.





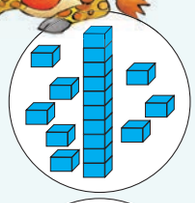


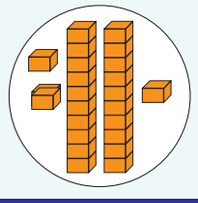
× =

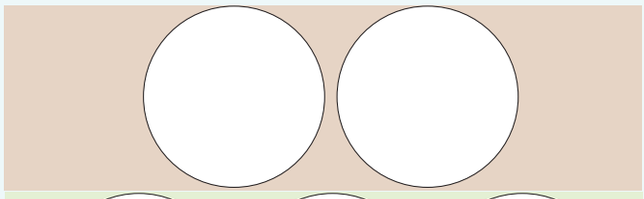
× =

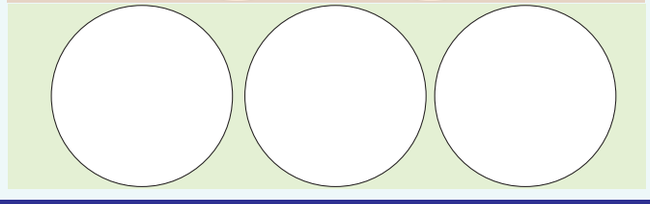
× =

3 Yaba amabhlogo hlangana neendulungu.









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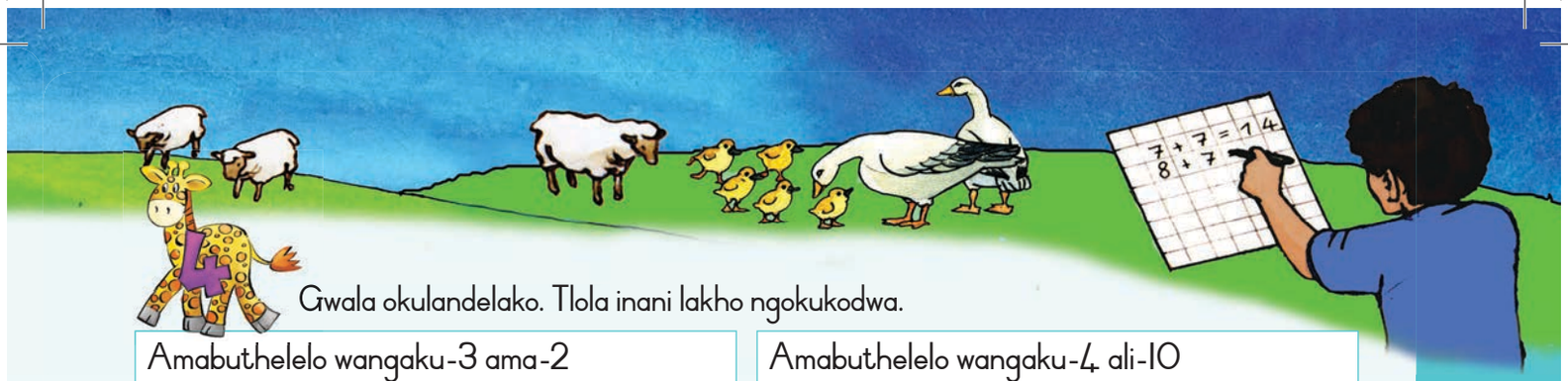

Gwala okulandelako. Tlola inani lakho ngokukodwa.

Amabuthelelo wangaku-3 ama-2

+ Hlanganisa inani loke:

× Phindaphinda inani loke:

Amabuthelelo wangaku-4 ali-10

+ Hlanganisa inani loke:

× Phindaphinda inani loke:

Yabelana ngokulingana iimbalisi ezi-12 phakathi kwabantu a-4.

− Khupha inani loke:

÷ Hlukanisa inani loke:

Yabelana ngokulingana iimbalisi ezi-36 phakathi kwabantu aba-3.

− Khupha inani loke:

÷ Hlukanisa inani loke:

Bala

iinqhema ezi-2 zangali-7 _____ iinqhema ezi-3 zangabu-8 _____

iinqhema ezi-4 zangaku-5 _____ iinqhema ezi-2 zangali-15 _____

yaba i-18 ngaku-2 _____ yaba ama-24 ngaku-3 _____

yaba ama-35 ngaku-5 _____ yaba ama-50 nge-10 _____

ukwabelana okubuyelelwe kabili

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Okhunye ngomthamo

Ilanga:

1 Qala iinthombe. Abentwana benza ini?

2 Amakhezo azokuzalisa ijege kufikela kuphi? Khalara. Sewenzelwe isibonelo.

Kuzokwenzeka ini nangabe uthela amakopi asi-6 ngejegeni yokumeda?

_____

_____

_____

3 Utlhoga amakopi amangaki ukuzalisa:

Iinjege ezi-2 _____ Iinjege ezi-3 _____

Iinjege ezi-4 _____ Iinjege ezi-5 _____

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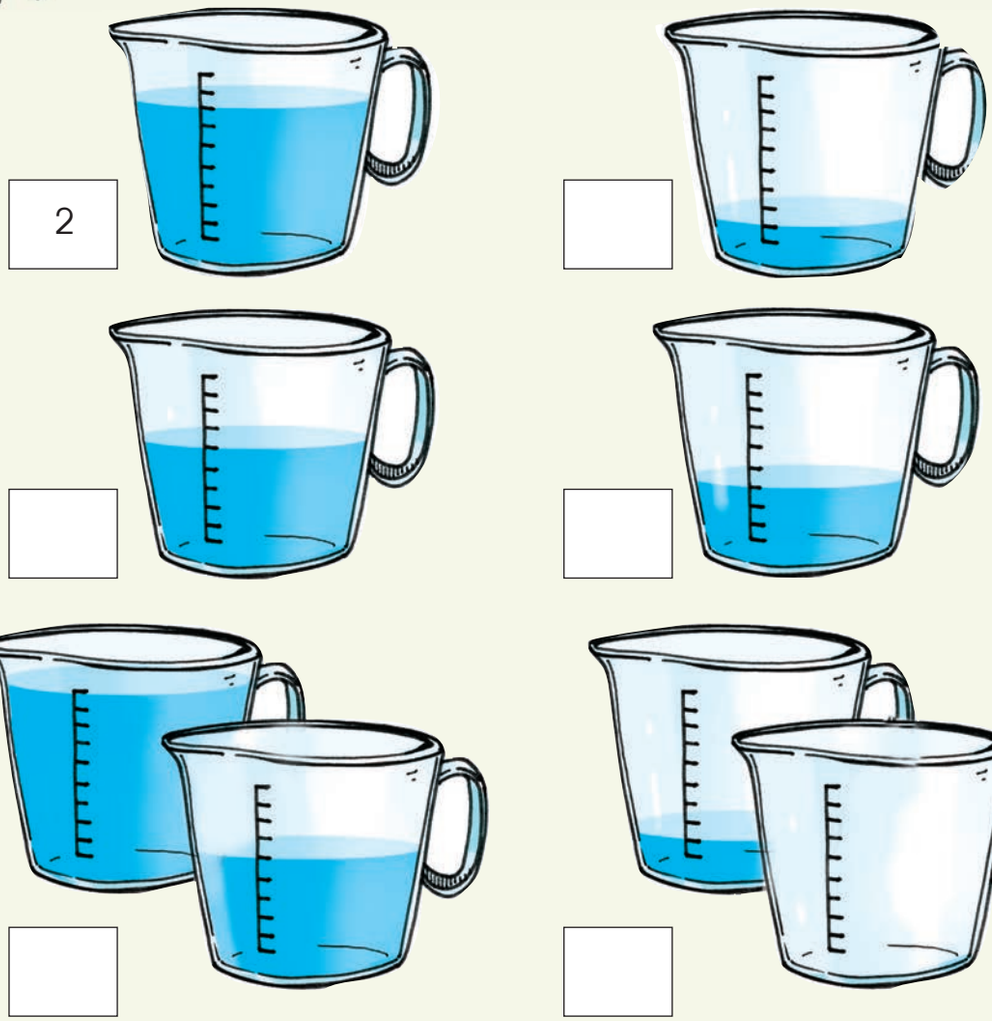
Utlhoga amanye amakopi amangaki ukuzalisa ijege nanyana iin-jege wokumeda?



Funyana iinthombe zeemumathi ezingamumatha isilinganiso esingaba li-litha eli-1, amalithama ama-2 kanye namalitha ama-5. Zinamathisele lapha nanyana ngaphakathi kwencwadi. Zinamathisele kusukela emumathini ezingamumatha okunengi ukuya emumathini ezingamumatha okuncani.

Teacher:
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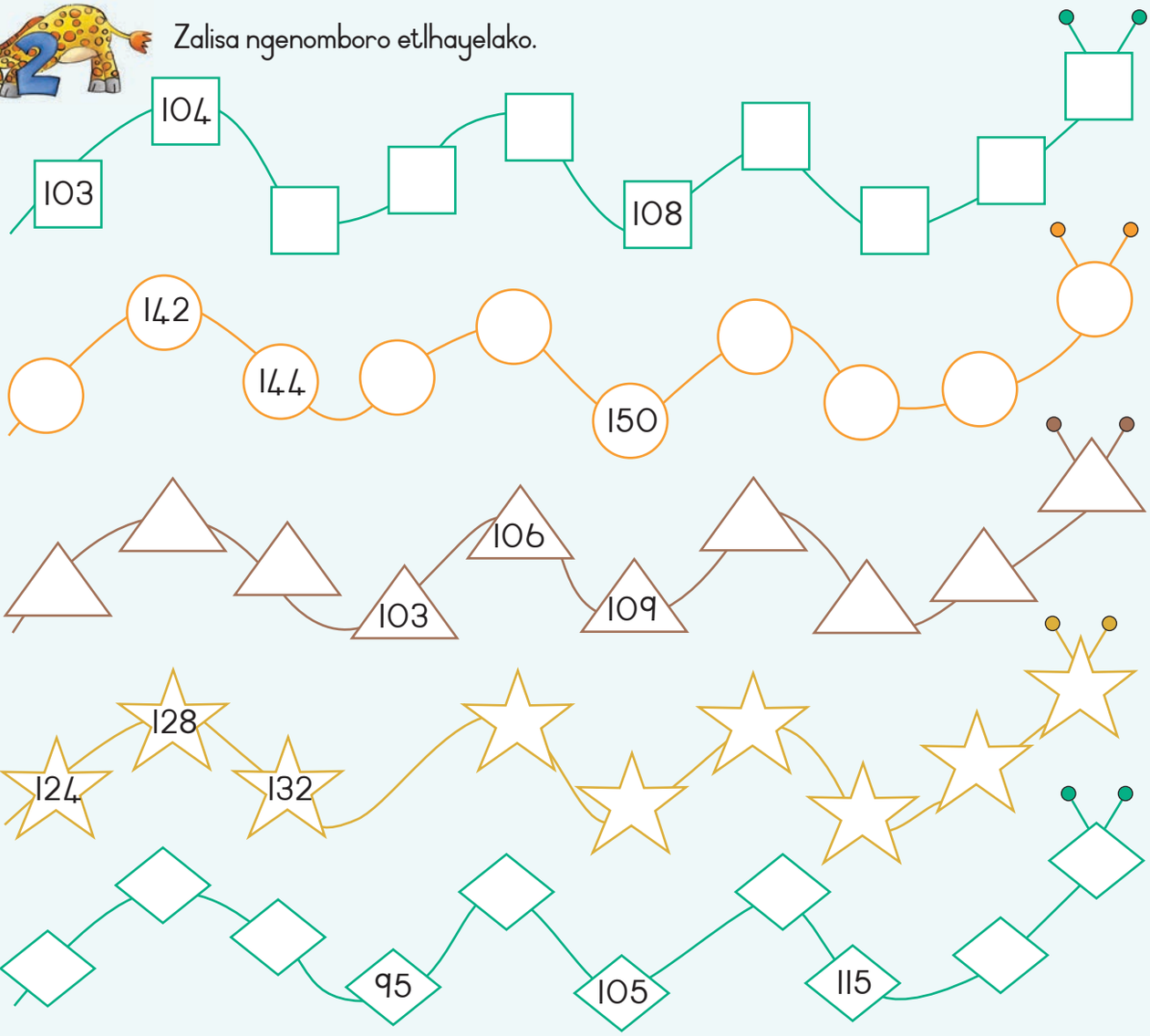
Ilanga:

Amanye amaphethelo

Beka amakarada ngokulandelana. Thoma ngamakhulu uyokuqedelela ngamancani, bese uthoma godu ngamancani uye kamakhulu.

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

Zalisa ngenomboro etlhayelako.



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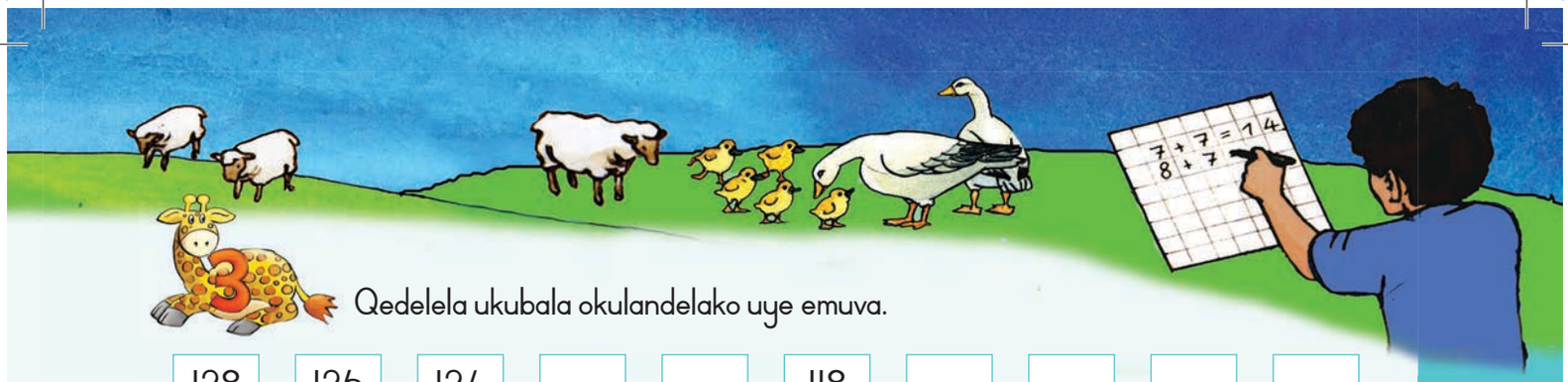


Qedelela ukubala okulandelako uye emuva.

128	126	124			118				
160	157	154							
200	195	190							

Qedelela okulandelako.

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

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

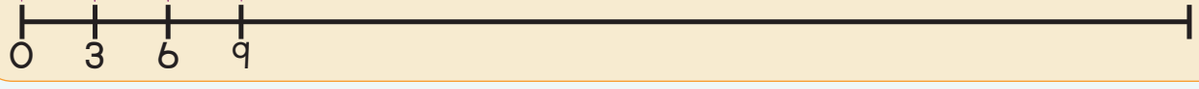
115, 118, 121, ___, ___, ___, ___, ___

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

Qedelela inambalayini.

2 + 2 + 2

3 + 3 + 3



4 + 4 + 4

Sibala ngangaki?

4		20
	8	
16		12

2		14
	8	12
10	4	6

5		15
30	25	20
	10	

3		21
	15	6
18	9	12

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Ukubuyabuyelela ngaku-3

Ilanga:

Zoke iinyamazana zineenyawo ezine.

Zoke iinyamazana zineendlebe ezimbili.

Lithini inani loke leenyawo esithombeni? ☐

Lithini inani loke leendlebe esithombeni? ☐

Qala isithombe bese uqedelela okulandelako:

☐ × ☐ = ☐

Inani lamakhondlo — Iinyawo isilwana ngasinye

☐ × ☐ = ☐

Inani lamakhondlo — Iindlebe inyamazana ngayinye

Qedelela okulandelako:

3	6	9							
30	27	24							

Qedelela okulandelako:

5 × = ☐ ama-apula	4 × = ☐ amabhanana
6 × = ☐ amabhanana	7 × = ☐ ama-apula

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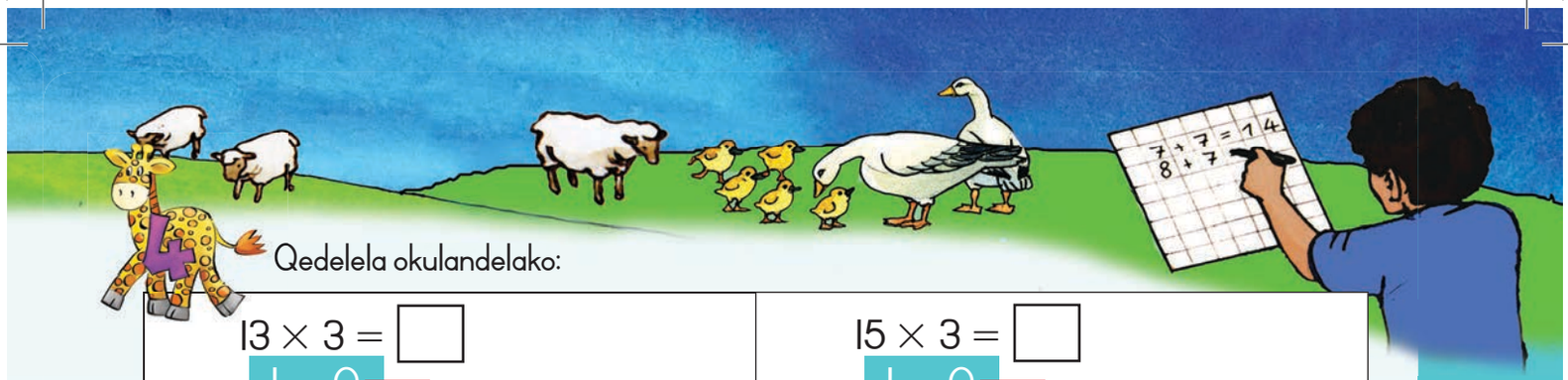


Qedelela okulandelako:

$13 \times 3 = \square$

$10 \quad 3 \times 3$

$= 10 + 3 \times 3$

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

$= 30 + 9$

$= 39$

$15 \times 3 = \square$

$10 \quad 5 \times 3$

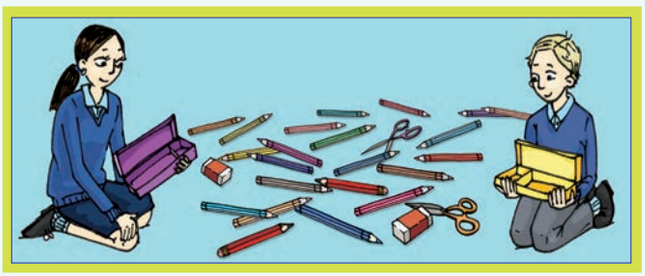
$= \square + \square \times \square$

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

$= \square + \square$

$= \square$

Abangani ababili bawisa iinkhwama zeempensela zabo. Ngaphakathi kweenkhwama zabo banezinto zokutlola ezifanako. Basize bazibuthe.



Qedelela lokhu:

Yabela abentwana aba-2 itjhokoledi ngokulingana.

Omunye nomunye ufunyana ☐

Yabela abentwana aba-3 amathofi ali-15 ngokulingana.

Omunye nomunye ufunyana ☐

Gwala iinthombe ukuze utjengise iimpendulo zakho.

Gwala isithombe utjengise okulandelako. Yabela abentwana aba-3 iimpensela ezili-9 ngokulingana.

Omunye nomunye ufunyana ☐

Yabela abentwana aba-3 amakhrayoni ali-16 ngokulingana. Azobakhona asalako na?

Omunye nomunye ufunyana ☐

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114 Ukubuyabuyelela okuvangileko

Ilanga:

Qala lokhu okulandelako, ubona ini?

$5 + 5 + 5 = 15$

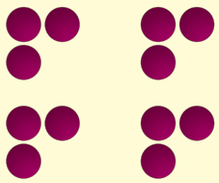
Oku-3 okunengi ka-5 = 15

Amabuthelelo ama-3 wangaku-5 = 15

Oku-3 okubuyabuyelelwe ka-5 = 15

$3 \times 5 = 15$
$5 \times 3 = 15$

Qedelela itheyibula elingenzasi. Isibonelo ngiso esizokuhlahla.

Ukubala ngokweqa	Amabuthelelo alinganako	Ukuhlanganisa okubuyelelweko	Ukuhlela	Amaqiniso
3, 6, 9, 12		$3 + 3 + 3 + 3$	Imida emi-3 yangaku-4 × × × × × × × × × × × ×	$3 \times 4 = 12$ $4 \times 3 = 12$
		$4 + 4 + 4$		
				$6 \times 5 = 30$ $5 \times 6 = 30$
2, 4, 6, 8, 10, 12				

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Ungenza masinya kangangani ukuqedelela lokhu?

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

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

Phendula imibuzo elandelako. Khuyini:

Okune okubuyabuyelelwe kahlanu	
Isithandathu esibuyabuyelelwe ka-6	
Isithandathu esibuyelelwe ka-5	
Oku-2 okubuyelelwe ka-4	
Oku-8 okubuyelelwe ka-2	

Zaliselela ngenomboro.

Amabuthelelo ama-3 wangaku-2 kulingana ne-6 nanyana 3 × 2 = ☐	
Amabuthelelo ama-4 wangaku-3 enza-12 nanyana ku-4 kubuyabuyelelwe ka-3 kwenza-12 nanyana nje kufana nokuthi 4 × 3 = ☐	
Amabuthelelo asi-6 wangaku-3 enza-18 nanyana isi-6 nasibuyabuyelelwe ka-3 kwenza-18 nanyana isi-6 × ☐ = 18	

Isibalo: Kuneembalisi ezintathu emudeni ngamunye. Kunemida emine. Ziimbalisi ezingaki nasele zizoke? Gwala isithombe ukuze utjengise ipendulo yakho.

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Okhunye ukubuyabuyelela

Ilanga:

Qala isibonelo.

Yini ukubuyabuyelela.

25 – 10 – 2013

$4 \times 2 = 8$

$3 \times 4 = 12$

$4 \times 5 = 20$

$2 \times 6 = 12$

Uyini umphumela waku-2 nawumbuyelela kali-7.

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

Qedelela:

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

Sebenzisa indlela yakho ukunikela umphumela.

12 × 2	16 × 2

Qedelela:

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

Sebenzisa indlela yakho ukunikela.

13 × 3	15 × 3

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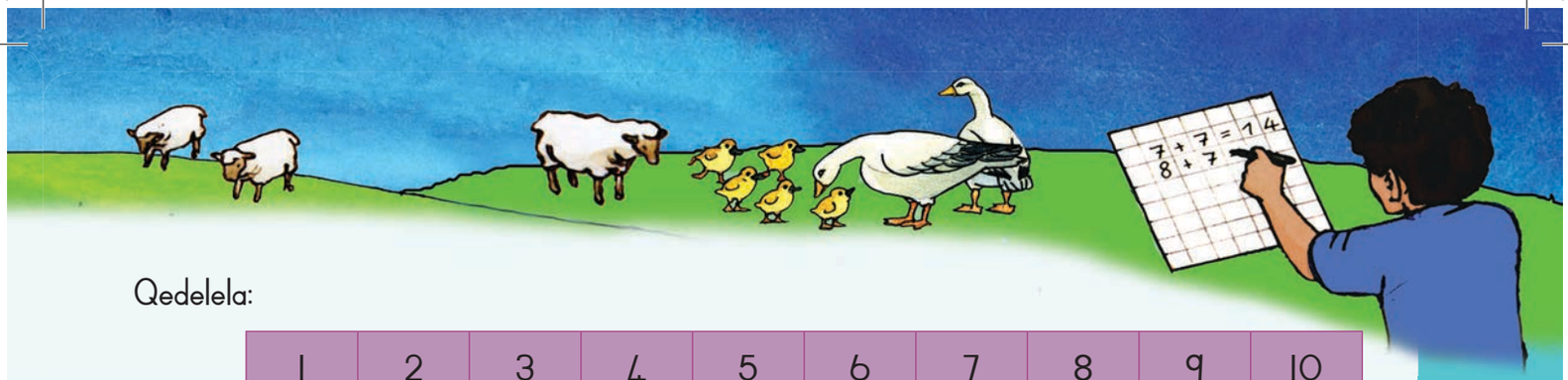

Qedelela:

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

Sebenzisa indlela yakho ukunikela umphumela.

11 × 4	14 × 4

Qedelela:

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

Sebenzisa indlela yakho ukunikela umphumela.

12 × 5	16 × 5

Ngemgodleni kunama-orentji ali-12. Kuzokuba nama-orentji amangaki:

Ngemigodleni emi-4?	Ngemigodleni emi-5?	Ngemigodleni emi-3?	Ngemigodleni emi-2?

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116a

Amalanga weveke

Ilanga:

1 Lungisa amaledere wamalanga weveke.

NEBGELSILII

NSGOEDNO

MONOUVLG

GTLHESAITHUNE

ENESGEINL

LNQGEOMGIBO

HNIALESGLNEU

2 Qedelela ngamalanga atlhayelako:

NgoMvulo		Ngelesithathu	
NgeSondo		NgeLesibili	

3 Tlola amalanga weveke.

NgeSondo						

4 Malanga amangaki ukusuka:

NgoMvulo ukuya ngeLesine? _____

NgeLesibili ukufika ngeLesihlanu? _____

NgeLesine ukufika ngoMgqibelo? _____

5 Kunamalanga amangaki hlangana:

KoLesibili kanye noMgqibelo? _____

KoLesithathu no Lesihlanu? _____

KoLesine no Sondo? _____

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Iinyanga zomnyaka

Lungisa amaledere weenyanga zomnyaka ngefanelo.

NAJARIBA

FEWARIBHER

YILAJU

KTOOBA

VENOMBA

TJHIMA

SIARHO

NIJU

SEDIMBA

YIME

LIPREA

PTESEMBA

Inyanga enye nenye inamalanga amangaki?

UJanabari 31	UFebherwari	UMatjhi	U-Apreli
UMeyi	UJuni	UJulayi	U-Arhosi
USeptemba	U-Oktoba	UNovemba	UDisemba

Zalisa ngenyanga enembako.

Khumbula kobana amabizo weenyanga kumele athome ngegabhadlhela.

Ngiyiphi inyanga eza ngaphambi kwakaMatjhi? _____

Ngiyiphi inyanga eza ngemva kwakaJuni? _____

Nangabe nguJulayi, ziinyanga ezingaki ngaphambi ko:

USeptemba? _____

Kwelanga lakho lamabeletho? _____

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116b

Amalanga, iimveke kanye neenyanga

UDisemba 2015

USondo	UMvulo	ULesibili	ULesithathu	ULesine	ULesihlanu	UMgqibelo
	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			

Qala ikhalenda bese uphendula imibuzo:

Ilanga lamhla ali-01 kuDisemba lingelesingaki? _____

Ilanga lamhla ali-15 kuDisemba lingelesingaki? _____

Ilanga lamhla ama-24 kuDisemba lingelesingaki? _____

Ilanga lamhla ali-12 kuDisemba lingelesingaki? _____

Phendula imibuzo elandelako:

Inyanga yakaDisemba inamalanga amangaki? _____

Inyanga yakaDisemba ineemveke ezingaki? _____

Iveke inamalanga amangaki? _____

Iinkolo zivalwa nini ngenyanga yakaDisemba? _____

Kwenzekani ngelanga lamhla ama-25 kuDisemba? _____

Kwenzekani mhla amalanga ama-31 kuDisemba? _____

Ngiliphi ilanga eliza ngemva kwelanga lamhla ama-31 kuDisemba? _____

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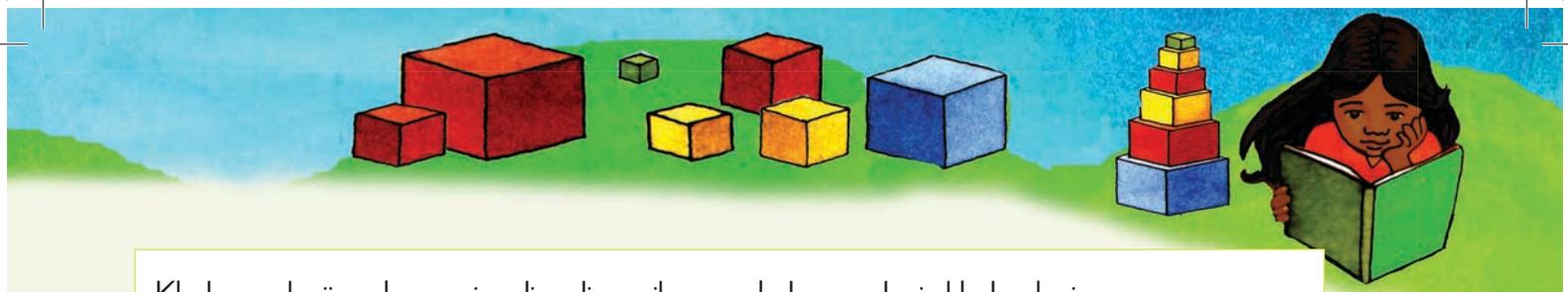


Khalara zoke iinomboro ezingalingalinganiko ngombala osarulani ekhalendeni.

Ngikuphi okutshwayako? _____

Khalara zoke iinomboro ezilingalinganako ekhalendeni ngombala obovu.

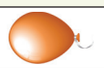
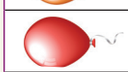
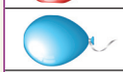
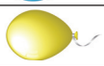
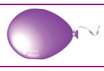
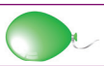
Ngikuphi okutshwayako? _____

Qedelela ikhalenda. zalisa umnyaka kanye namalanga (idadamu).

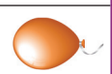
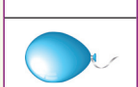
Ngo-Apreli ____

USondo	UMvulo	ULesibili	ULesithathu	ULesine	ULesihlanu	UMgqibelo

Ngiliphi ilanga kanye nedadamu?

Idadamu	Ilanga
	
	
	
	
	
	

Malanga amangaki ukusuka:

	Ukufika ku:		
	Ukufika ku:		
	Ukufika ku:		
	Ukufika ku:		

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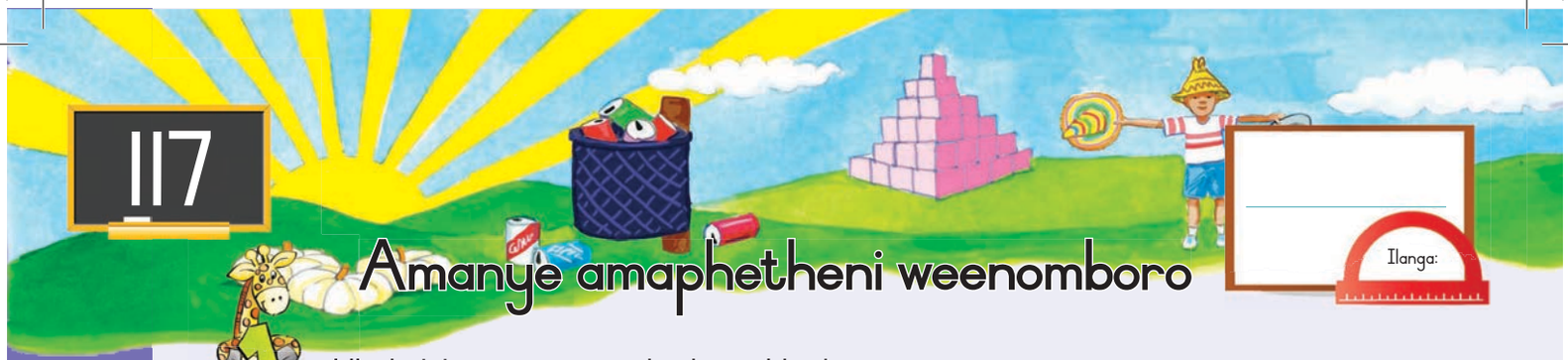

Amanye amaphetheni weenomboro

Hlathulula enye nenye iphetheni ebhodini.

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

Qedelela iphetheni.

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

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Ingabe inomboro iyalingalingana nanyana ayilingalingani?
Sekela inomboro elingalinganako nanyana engalingalinganiko.

4 lingalingani lingalingana	19 lingalingani lingalingana	21 lingalingani lingalingana
26 lingalingani lingalingana	20 lingalingani ling alingana	18 lingalingani lingalingana

Zalisa iinomboro ezitlhayelako ukuqedelela iphetheni ebuyelelweko.

33, 39, 33, ☐, 33, 39, 33, 39

96, 74, 96, 74, 96, 74, 96, ☐

38, 45, 38, 45, ☐, 45

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

☐, 78, 21, 11, 78, 21, 11, 78, 21, 11

Zalisa iinomboro ezitlhayelako ukuqedelela iphetheni ebuyelelweko.

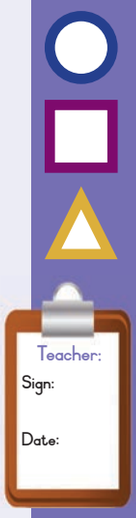
55, 21, 19, 63, 55, 21, 19, 63, 55, 21, 19, 63, 55, 21, 19, ☐

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

11, 76, 11, 76, 11, 76, 11, 76, ☐

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

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



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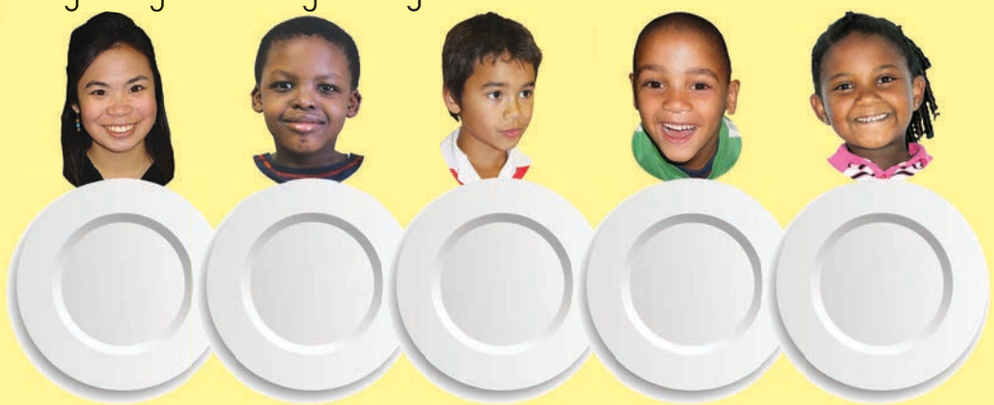
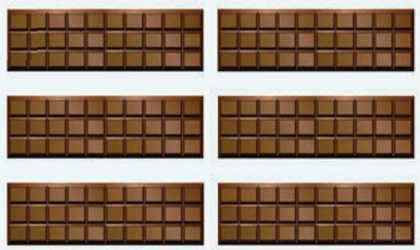
Ilanga:

Ukwabelana ngokulingana bekufike emacezwini

Yabelana ngesitinyana setjhokoledi, bese uyatjho kobana umntwana ngamunye uzokufunyana zingaki.



Kwanjesi yabela abentwana abathathu iintinyana zamatjhokoledi ezi-6.



Tjengisa ipendulo yakho ngokwenza umgwalo ngenzasi.

Umntwana ngamunye uthola ingcenye eyodwa yakuthathu yetjhokoledi.

Unamakhekhana wangeenkomotjini ama-3 Yabela abangani bakho aba-4 ngokulingana.

Tjengisa ipendulo yakho ngokugwala umgwalo ngenzasi.

Umntwana munye uzokuthola_____

Yamakhekhana wangeenkomitjini.

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Khalara ingcenye eyodwa yekota ematjhokoledini amane la.

Mabhlogo amangaki wamatjhokoledi enza ikota? _____

Mabhlogo amangaki wamatjhokoledi enza ingcenye eyodwa yokwesihlanu? _____

Tjengisa ihafu eyodwa yalokhu okulandelako.

Tjengisa ingcenye eyodwa yecezu lokwesithathu yamaswidi

Tjengisa ingcenye eyodwa yecezu lokwesithandathu yamaswidi.

Teacher:
Sign:
Date:

Yabela abangani abane amacezu wetjhokoledi ali-11 ukuze bathole boke ngokulinganako boke kungasali litho.

11 12 13 14 15 16 17 18 19 20

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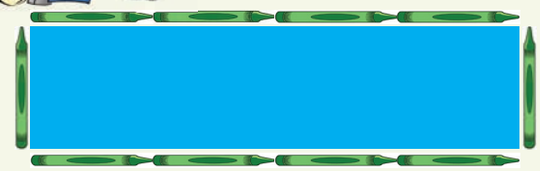
Ubude

Ilanga:

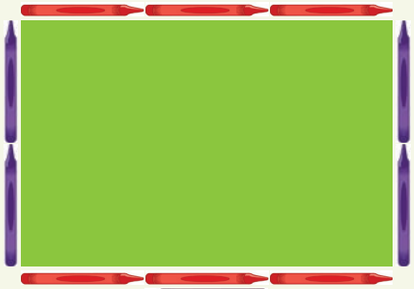
Ngiliphi ihlangothi lakancazine elifitjhani khulu? Elide khulu?

Ihlangothi elide li _____ amakhrayoni.
Ihlangothi elifitjhani li _____ amakhrayoni.

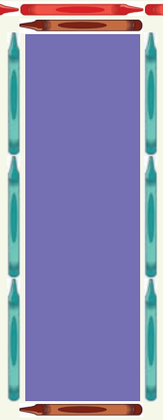
2 Phendula okulandelako.



Ihlangothi elide li _____ amakhrayoni.
Ihlangothi elifitjhani li _____ amakhrayoni.



Ihlangothi elide li _____ amakhrayoni.
Ihlangothi elifitjhani li _____ amakhrayoni.



Ihlangothi elide li _____ amakhrayoni.
Ihlangothi elifitjhani li _____ amakhrayoni.

Ihlangothi elide li _____ amakhrayoni.
Ihlangothi elifitjhani li _____ amakhrayoni.

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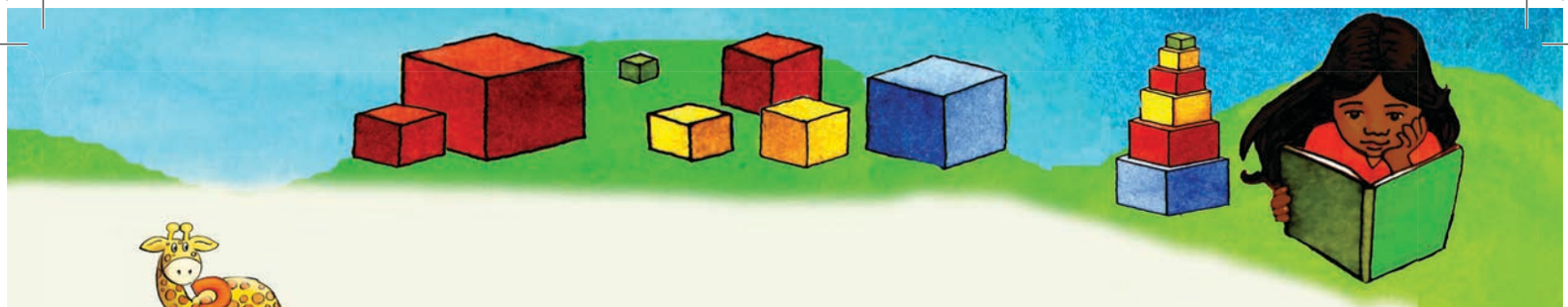
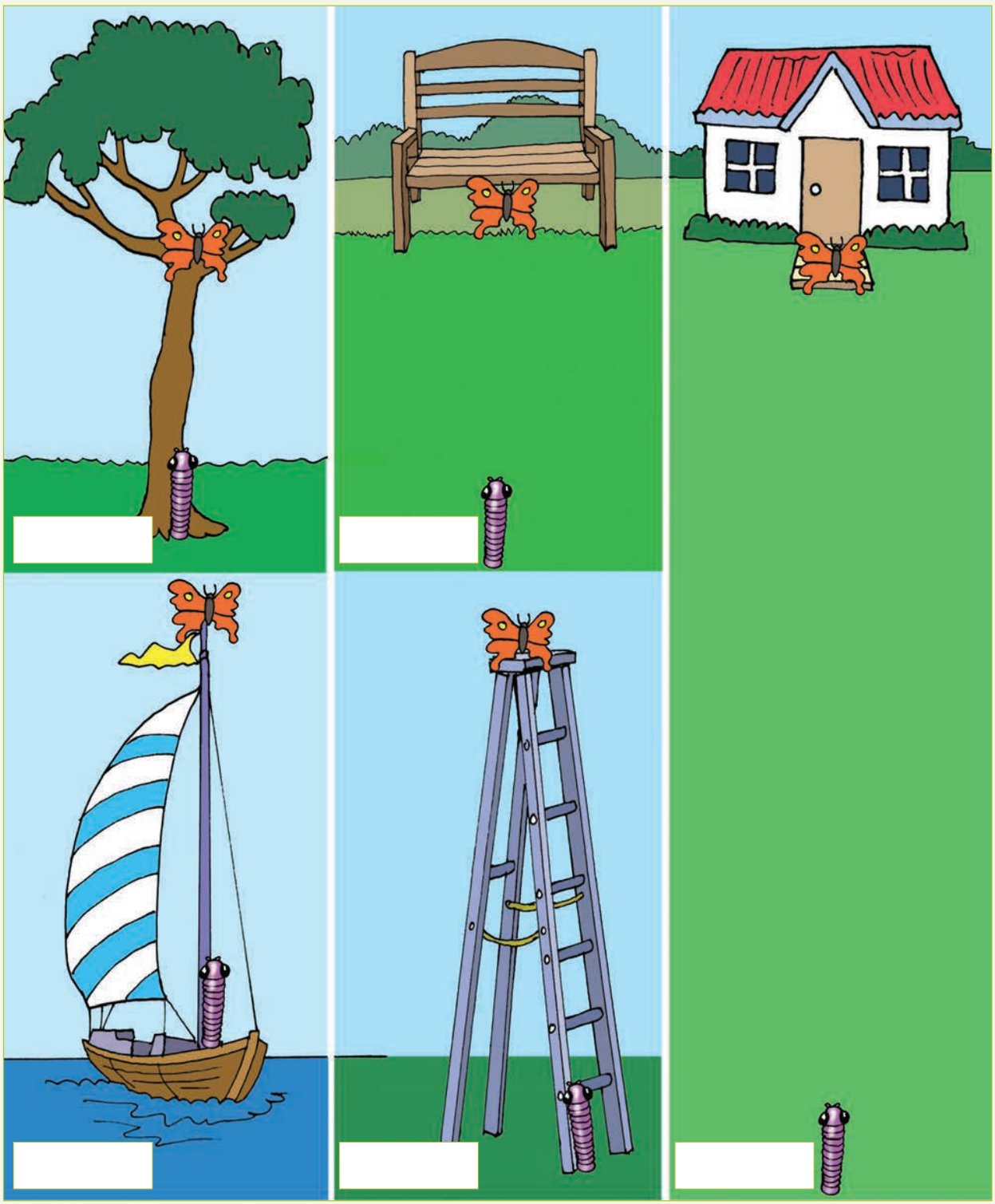


Kuzokuthatha iimbungu ezingaki ukufika eviyaviyaneni?



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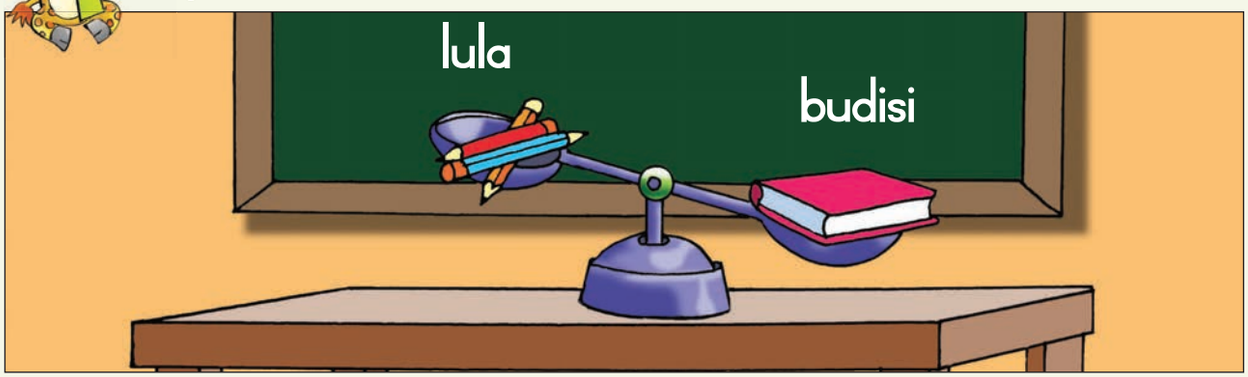
120

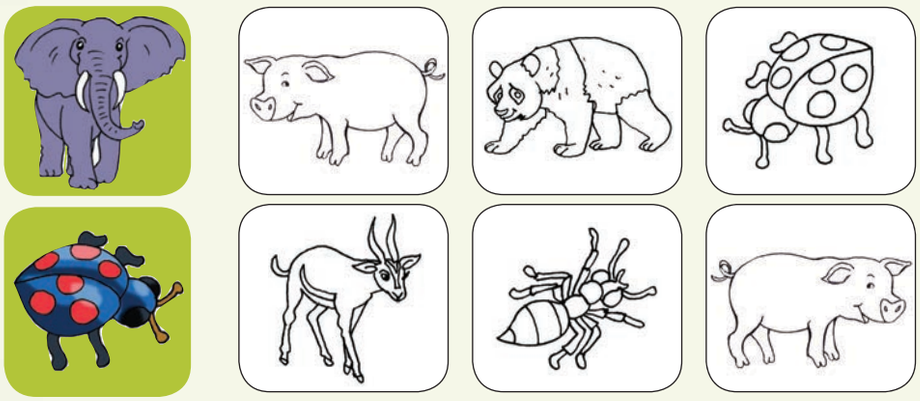
Okubudisi nokulula

Ilanga:

1 Kutjho ukuthini ukuba budisi nokubalula?



2 Khalara isithombe nanyana iinthombe zezinto ezilula khulu kunezinye ngebhlogweni ngombala ohlaza.



3 Qala isithombe.
Thola iinthombe zezinto ezihlanu ezibudisi. zinamathisele lapha.

4 Qala isithombe.
Thola iinthombe zezinto ezihlanu ezilula. zinamathisele lapha.

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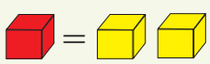
5 Yitjho nangabe iinkeyili zokulinganisa ziyalingana nanyana azilingani.

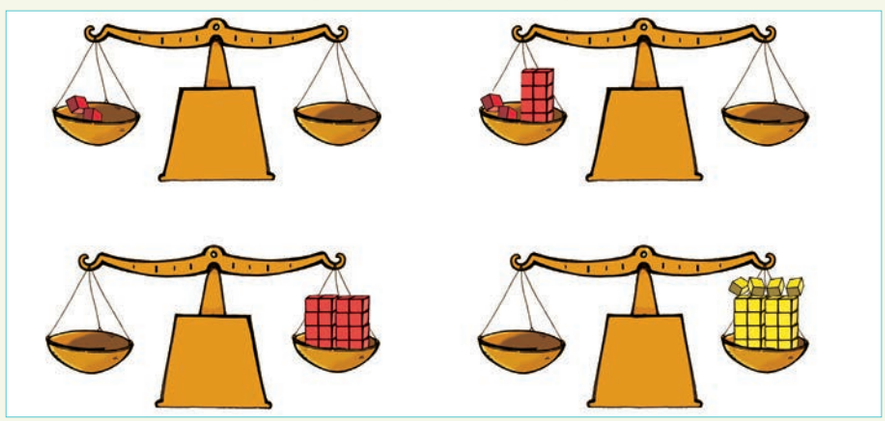
6 Yenza kobana iinkala zokulinganisa zilingane. Gwala ngaphakathi kweenkali ezinganalitho.

5 = ☐ ☐ = ☐

7 Gwala imigwalo ukwenza iinkala zokulinganisa zibeliqiniso.

☐ = ☐ ☐ = ☐

8 Yenza kobana iinkala zokulinganisa zilingane nangabe 



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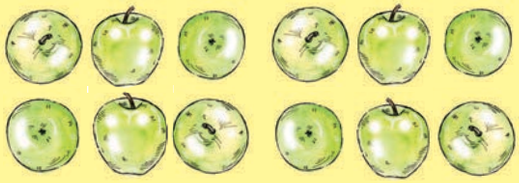
121

Ukwabelana ngokulingana bekufike emacezwini

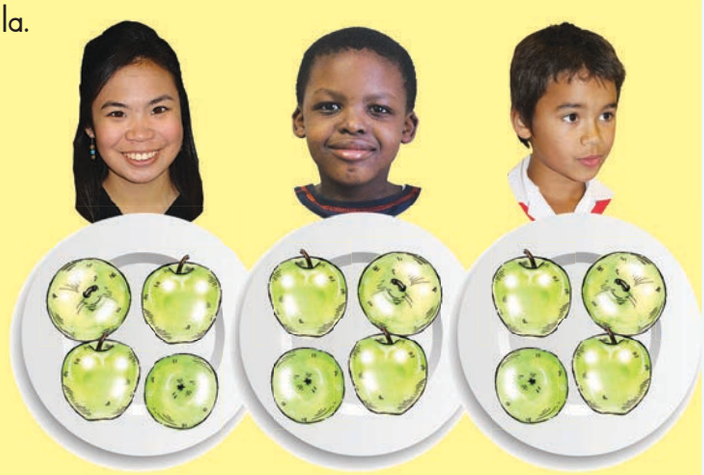
Ilanga:

Yabelana nabangani abathathu ama-apula la.



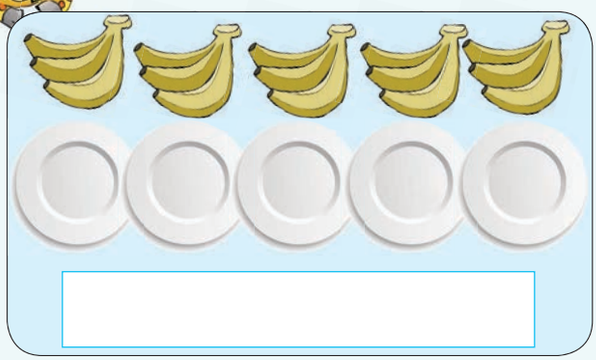
Munye ufunyana ama-apula amangaki?
Amane

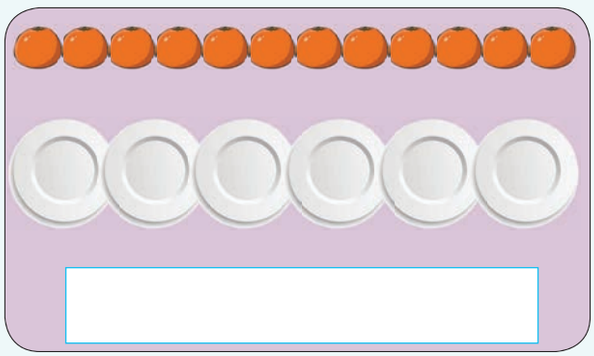
Ngamunye ufunyane amacezu amangaki we-apula? Ingcenye eyodwa yecezu lokwesithathu.

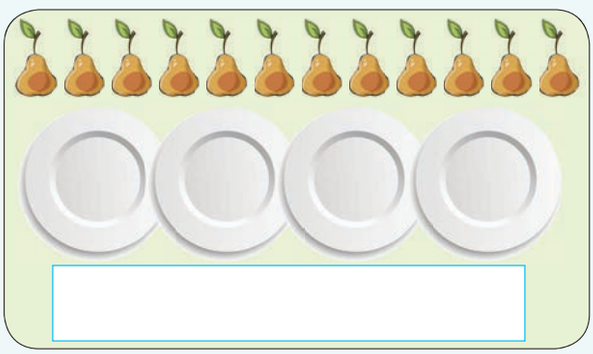


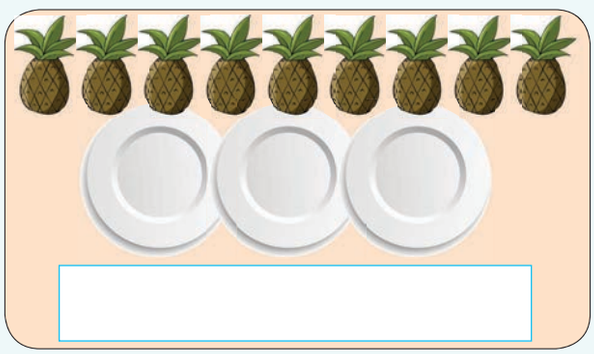
Qala isibonelo ngehla bese uphendula imibuzo elandelako.

- Yabelana nabangani isithelo lesi.
- Yitjho kobana umngani ngamunye uzokuthola amacezu amangaki.









Ugogo unikela uKiki amalamune ali-12. UKiki wenza ijuzi ngengcenye eyodwa yesithathu yamalamune. Usebenzise amalamune amangaki?

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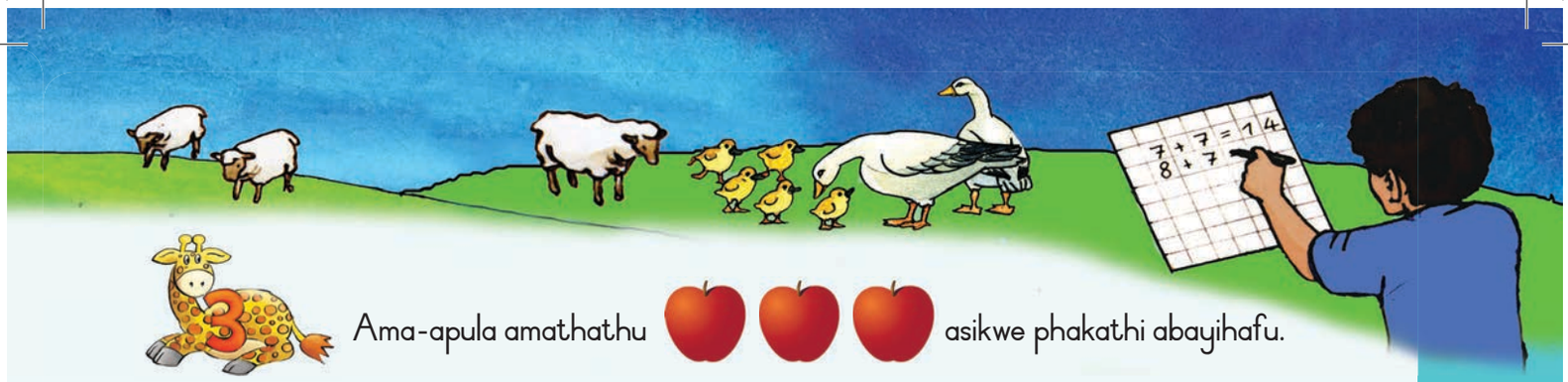
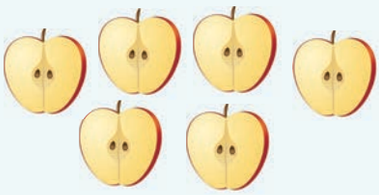


Ama-apula amathathu asikwe phakathi abayihafu.

Bentwana abangaki ngamunye ongafunyana ihafu eyodwa? _____



Amalamune amane asikwe aba ziingcezi zokwesithathu.

Bentwana abangaki abangathola incenye yinye yakuthathu?

_____

Amakhabe amabili asikwe aba ziingcezu zokwesithandathu.

Bentwana abangaki abangafunyana icezu elilodwa lokwesithandathu? _____

Umbanduli wenetbholo unikela umdlali ngamunye ihafu yelamune. Kunabadlali aba-14. Utlhoga amalamune amangaki?

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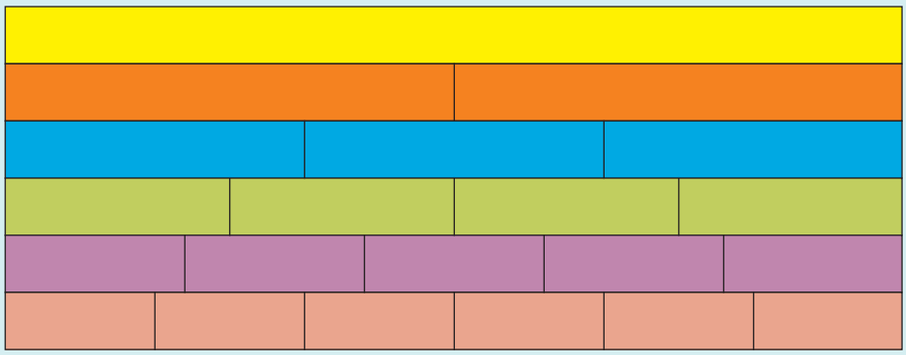
Amacezu

Ilanga:

Umtletlana ngamunye utjho ukuthini? Amagama angesidleni angakusiza.



ingcenye eyodwa yokwesithathu

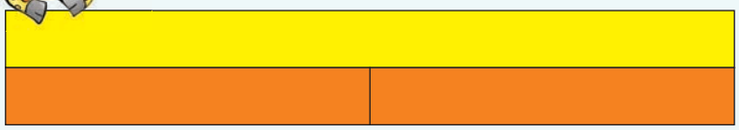
ingcenye eyodwa yokwesihlanu

ihafu

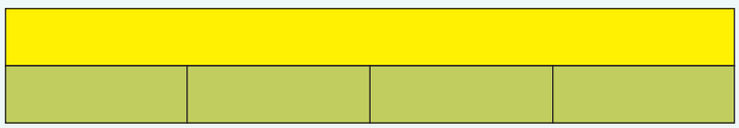
ikota

ingcenye eyodwa yokwesithandathu

Qedelela lokhu okulandelako.

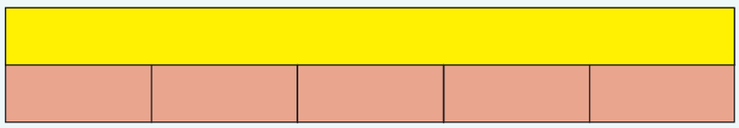


Abohafu aba-2 bafana _____ okuphelelelo.



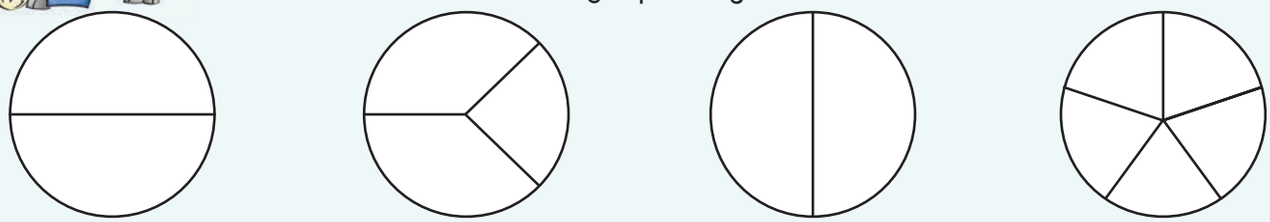
Amakota ama-4 afana _____ okuphelelelo.

Iingcenye ezintathu zokwesithathu ziyafana _____ okuphelelelo.



Iingcenye ezihlanu zokwesihlanu ziyafana _____ okuphelelelo.

Khalara lokhu okulandelako. Ngikuphi okuyelelako?



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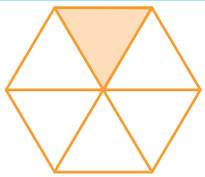
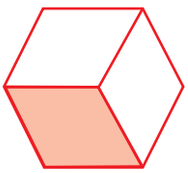
Yitjho kobana ubujamo ngabunye obufiphaziweko bulicezu liphi lobujamo. Tlola ngamagama.

ihafu





Gwala amabumbeko ukuze utjengise lokhu. Sebenzisa iinkwere, amarekhthengela kanye neendulunga.

ingcenye eyodwa yokwesithathu

ihafu

ikota

ingcenye eyodwa yokwesihlanu

Buza umma wakho nanyana umtlhogomeli wakho kobana yena uyokuthenga ini:

- Ihafu eyodwa:
- Ingcenye eyodwa yokwesithathu:
- Ikota eyodwa/Ingcenye eyodwa yokwesine:
- Ingcenye eyodwa yokwesithandathu:

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123

Okunenga ngamacezu

Ilanga:

Wena ungakhetha icezu kiliphi ikhekhe? Kubayini

1 Umngani wakho ukubawe bonyana uhlukanise ipitsa ngamacezu alinganako. Yenza umgwalo ukuze utjengise yinye.

Abohafu

Okukodwa kokuthathu

Amakota

2 Thika ipendulo enembako.

Wena nomngani wakho nidle amacezu amabili wabohafu wepizza. Udle kangangani?

- Ingcenye eyodwa yehafu yepizza nanyana
- ipizza eyodwa epheleleko?

UThabo, uSipho noJohn badle ingcenye eyodwa yokwesithathu yepizza. Badle ipizza engangani?

- Ingcenye eyodwa yokwesithathu yepizza nanyana
- ipizza epheleleko?

ULindi, uSusa, uLerato noPalesa badle ipizza epheleleko yoke. Badle kangangani?

- Ikota eyodwa nanyana
- amakota amane?

Phendula imibuzo elandelako:

- Nangabe ngihlukanisa ipizza ngamacezu wokwesihlanu, sizokudla amacezu wokwesihlanu wepizza amangaki wokupheleleko? _____
- Nangabe ngihlukanisa ikhekhe amacezu wokwesithandathu, sizokudla amacezu amangaki wokwesithandathu ukuze sidle ikhekhe elipheleleko? _____

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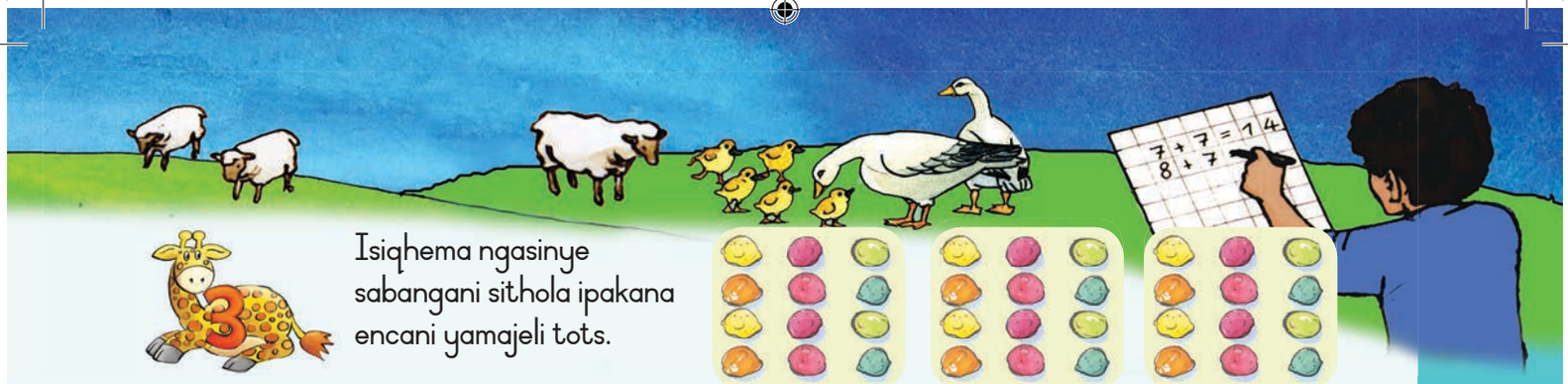

Isiqhema ngasinye sabangani sithola ipakana encani yamajeli tots.

Isiqhema	1	2	3
Abentwana esiqhemeni	2	3	4
Umngani ngamunye uzokufunyana amajeli tots amangaki nangabe amajeli tosts abiwa ngokulingana?			
Thika isiqhema ofuna ukuba kiso. Kubayini?			
Kuzokuba maswidi amangaki kilokhu okulandelako? Ubona ini?	Iingcenye ezimbili zabohafu	Iingcenye ezintathu zokwesithathu	Amakota amane

Khalara icezu elifana patsi nokukodwa okupheleleko.

Amakota amane

Ingcenye eyodwa yokwesithathu

Iingcenye ezimbili zamakota

Ihafu eyodwa

Iingcenye ezintathu zamakota

Ikota eyodwa

Abohafu ababili

Ingcenye eyodwa yokwesithathu

Iingcenye ezimbili zakwesihlanu

Iingcenye ezimbili zokwesihlanu

Iingcenye ezimbili zokwesithathu

Iingcenye ezintathu zokwesihlanu

Iingcenye ezihlanu zakwesihlanu

Iingcenye ezine zokwesihlanu

Iingcenye ezintathu zakwesithathu

Wena ungakhetha ini? Iingcenye ezine zamakota wetjhokoledi nanyana ingcenye eyodwa epheleleko yetjhokoledi. Kubayini?

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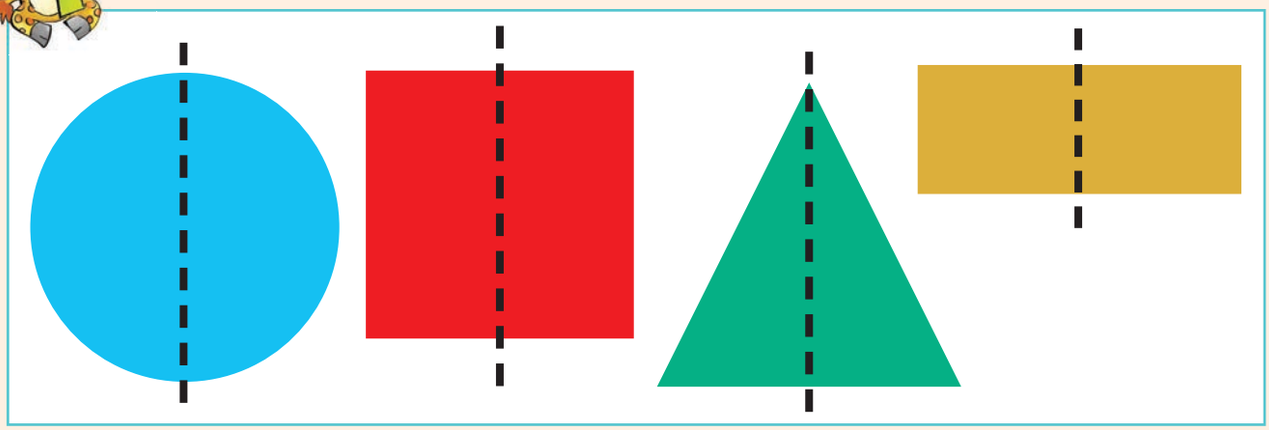
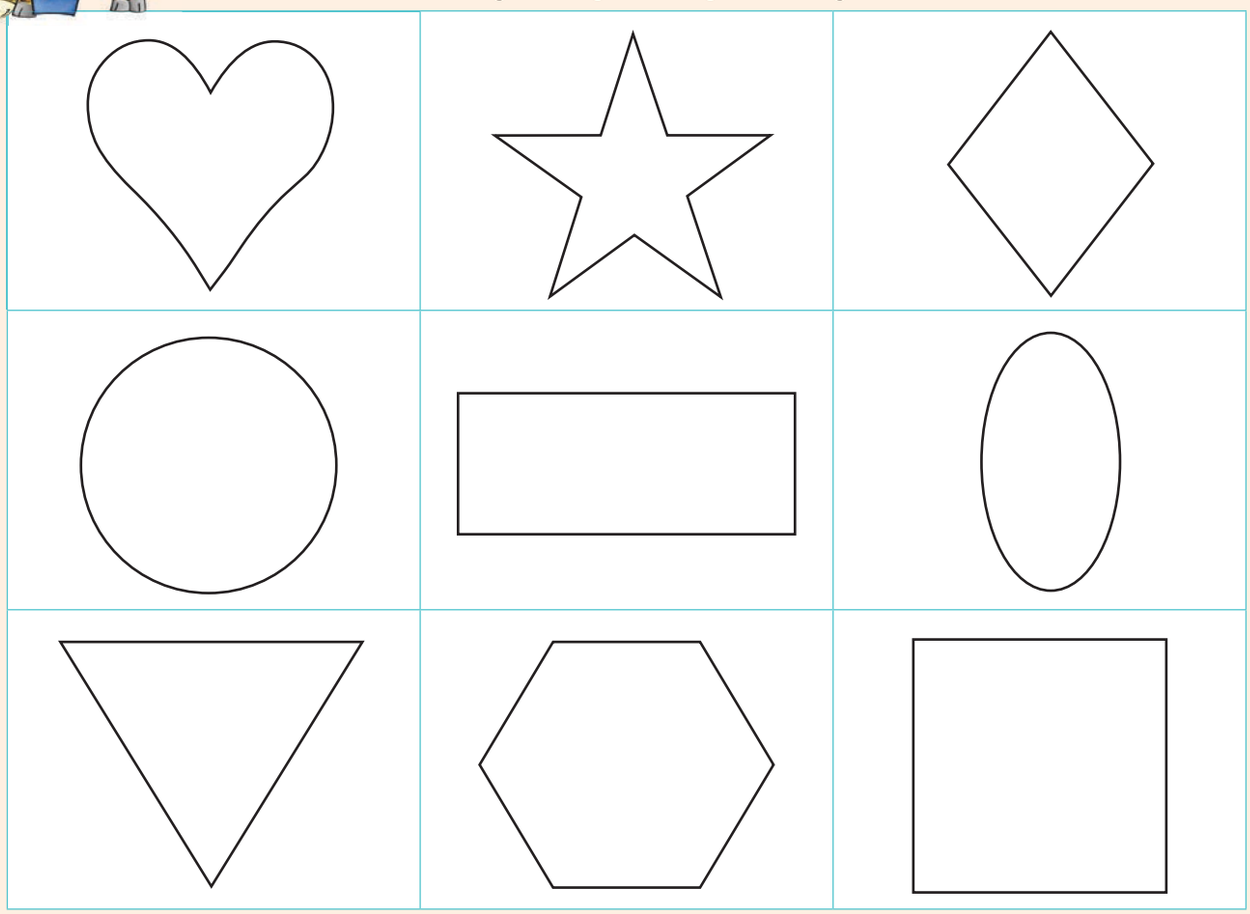
124

Ukufana mahlangothi woke namajamo

Qala iinthombe zamajamo. Ingabe ihlangothi libonakala lifana namanye amahlangothi? Ingabe ayafana mahlangothi woke?



Gwala umuda ukuze elinye ihlangothi lilingane nelinye.



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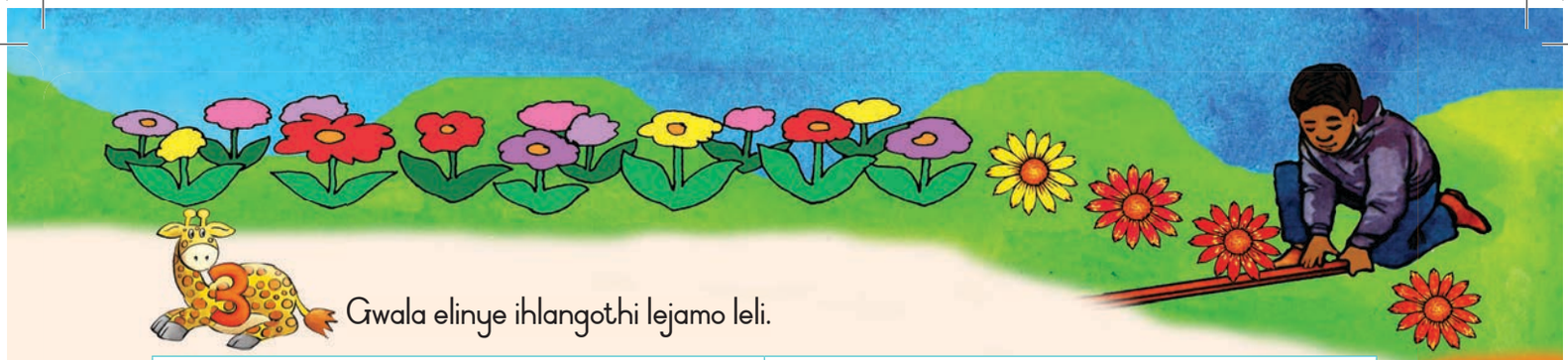
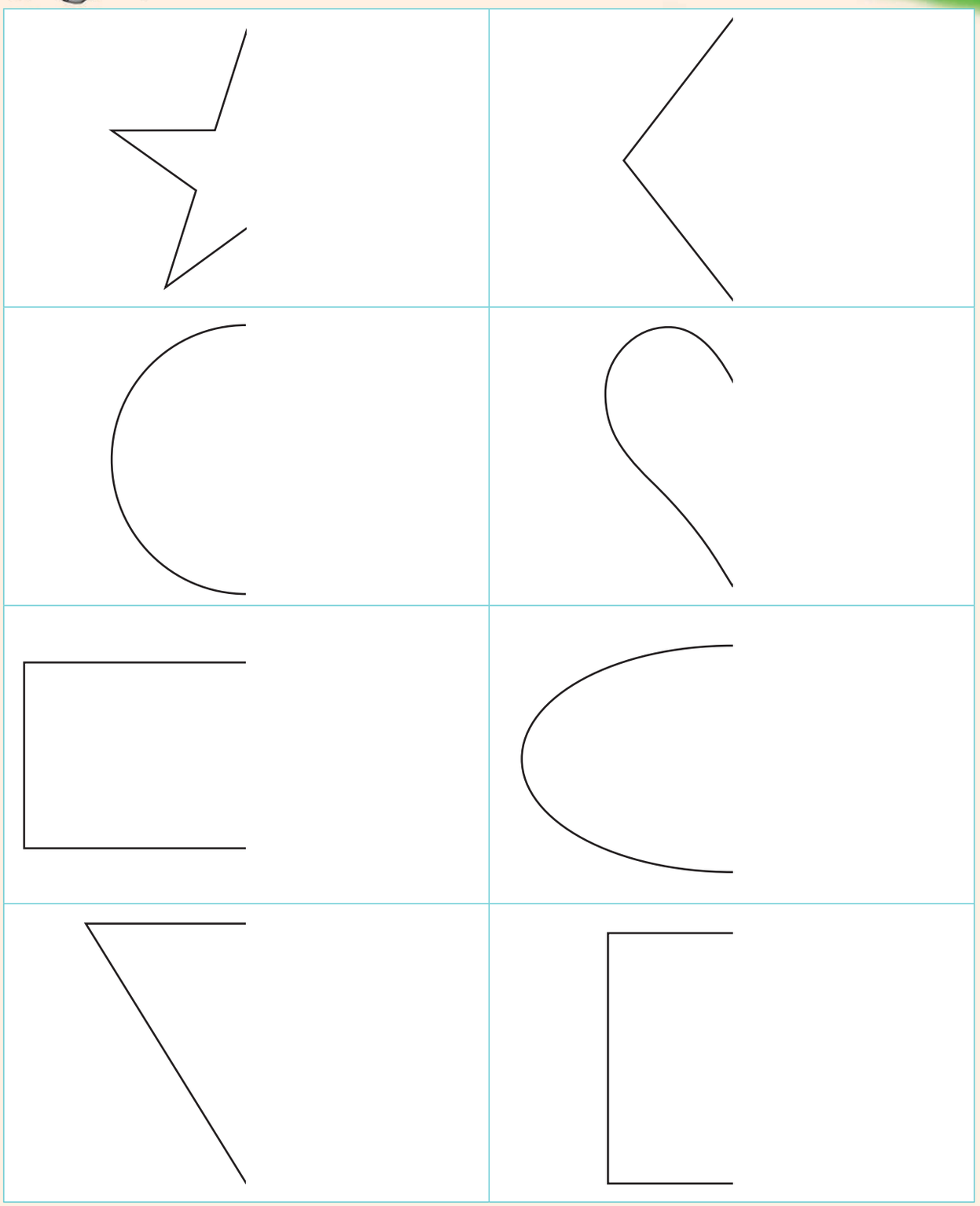


Gwala elinye ihlangothi lejamo leli.



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125

Ukuhlela kanye namacezu

Ilanga:

Nikela abafundi iinthombe lezi ezilandelako. Babuze kobana bangakwazi ukubala masinya kangangani izinto lezi.

Uwasebenzise njani amakholomu kanye nemida ukukusiza?

Kunamabumbeko amangaki lapho? Iyini ingcenye eyodwa yehafu emabumbekweni?

6

3

Kunamabumbeko amangaki lapho? Iyini ingcenye yokwesithathu yamabumbeko?

Kunamabumbeko amangaki lapho? Iyini ingcenye eyodwa yekota yamabumbeko?

Kunamabumbeko amangaki lapho? Iyini ingcenye eyodwa yokwesihlanu yamabumbeko?

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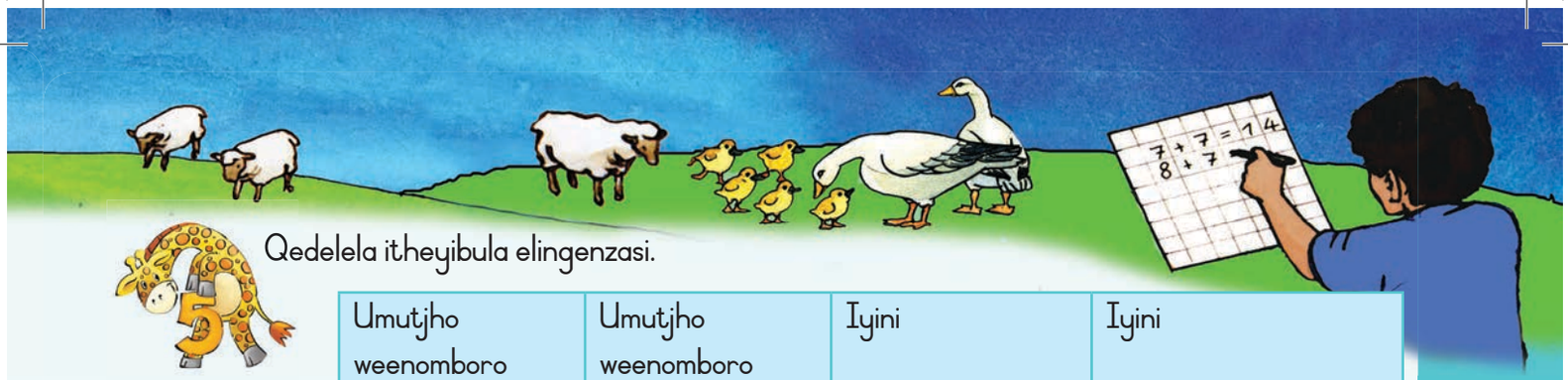
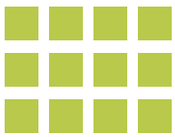
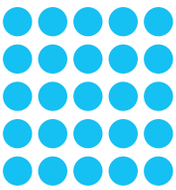


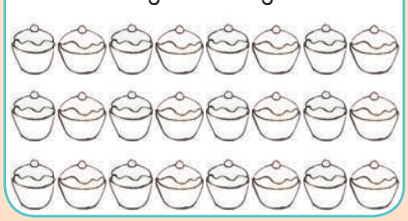
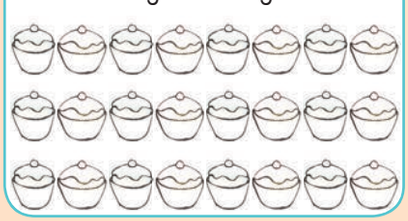
Qedelela itheyibula elingenzasi.

	Umutjho weenomboro zokubuyabuyelela	Umutjho weenomboro zokuhlukaniswa	Iyini	Iyini
	2 x 3 = 6 nanyana 3 x 2 = 6	6 ÷ 2 = 3 nanyana 6 ÷ 3 = 2	Ingcenye yehafu yezinto lezi? 3	Ingcenye eyodwa yokwesithathu yezinto? 2
			Ingcenye eyodwa yokwesithathu yezinto?	Ikota eyodwa yezinto?
			Ikota eyodwa yezinto?	Ingcenye eyodwa yokwesihlanu yezinto?

Sebenzisa ukuhlela ukutjengisa:

Ikota eyodwa yamaswidi ali-12.	Ingcenye eyodwa yokwesithathu yamaswidi ali-12	Ihafu yamaswidi ali-12

Umma ubhage amakhekhana wangeenkomitjini ama-24 abhagela imizi elandelako. Nakhu abaku-odileko: Sebenzisa iinthombe zamakhekhana wangekomitjini ukuze akuhlahle.

Ihafu eyodwa yesitrowubheri bese kuthi ingcenye eseleko yoke kube yivanila.	Ikota eyodwa yetjhokoledi bese kuthi ingcenye eseleko yoke kube yivanila.	Ingcenye eyodwa yokwesithathu yekharameli bese kuthi ingcenye eseleko yoke kube yivanila
		

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Icezu ngezinto ezibuthelelweko

Ilanga:

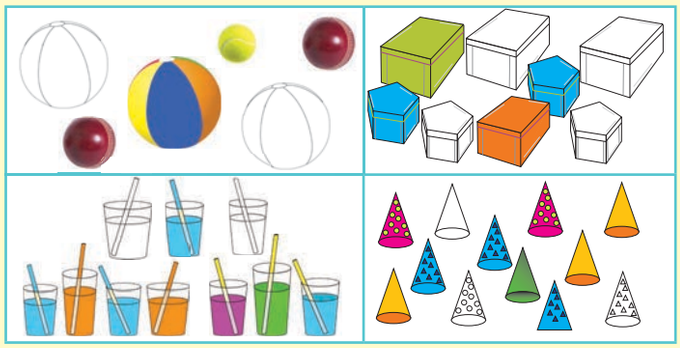
Qala ehlathululweni bese umadanisa nesithombe ukuze utjengise kobana licezu liphi lento elikhalariweko. Khuluma ngalokhu.

Ihafu eyodwa yezinto ezibuthelelweko

Ingcenye eyodwa yokwesithathu yezinto ezibuthelelweko

Ikota eyodwa yezinto ezibuthelelweko

Ingcenye eyodwa yokwesihlanu yezinto ezibuthelelweko



Yenza yakho imitjho ngeenthombe ezingenzasi. Kufanele ufake amacezu emitjhweni yakho.

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Rarulula umraro wamagama. Umma unamanani ehlisiweko. . .

Unamarhembe ali-15. Uthengise ma-5. Uthengise liphi icezu? Thalela ipendulo. Ngiziphi iinomboro eziqakathekileko?____ Gwala isithombe utjengise ipendulo yakho.	Bekanamajezi ali-18. Uthengise ali-9. Uthengise liphi icezu? Thalela ipendulo. Ngiziphi iinomboro eziqakathekileko?____ Gwala isithombe utjengise ipendulo yakho.
Uneenkhethe ezili-12. Uthengise ezi-3. Uthengise liphi icezu? Thalela ipendulo. Ngiziphi iinomboro eziqakathekileko?____ Gwala isithombe utjengise ipendulo yakho.	Uneembaji ezi-20. Uthengisa ezi-4. Uthengise liphi icezu? Thalela ipendulo. Ngiziphi iinomboro eziqakathekileko?____

Ngiliphi icezu elisemakhekheni wangeenkomitjini ane-ayisingi yebhanana? ☐

I-ayisinghi yestrowubheri? ☐ I-ayisinghi yebhabulgamu? ☐

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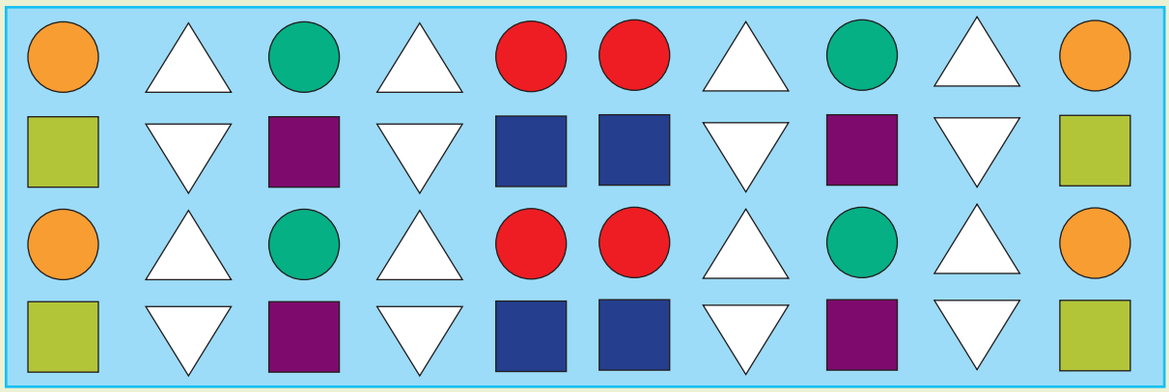
Ukufana

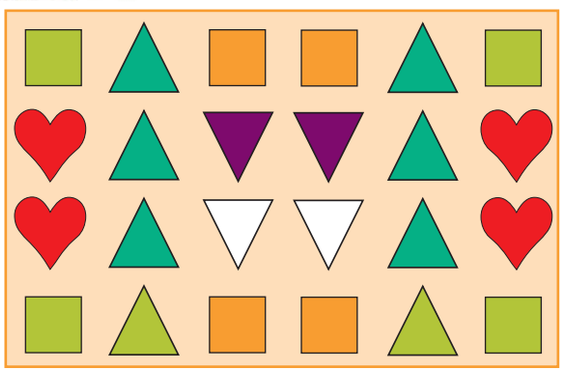
mahlangothi woke kumaphethini

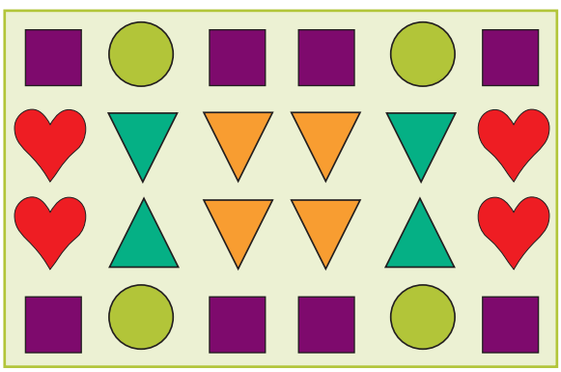
Ilanga:

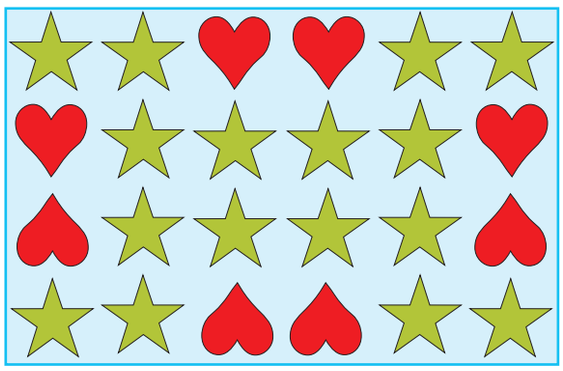
1 Qala iinthombe zeensiba. Ngikuphi okubonako?

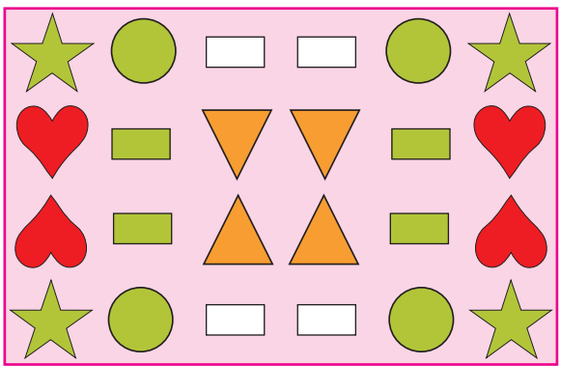


2 Gwala umuda ukuze elinye nelinye ihlangothi leensiba lezi lifane nelinye.









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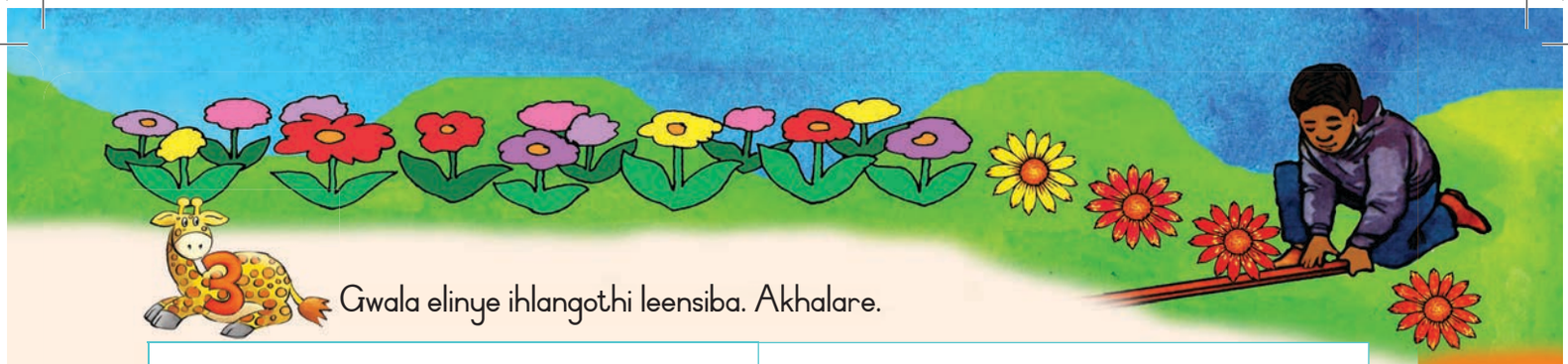
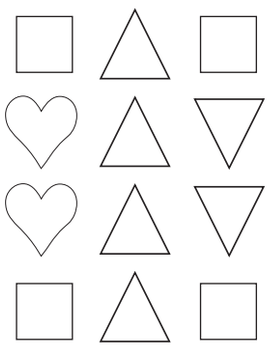
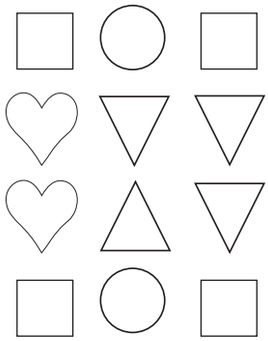
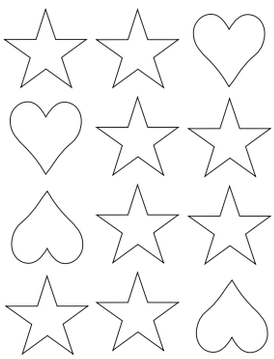
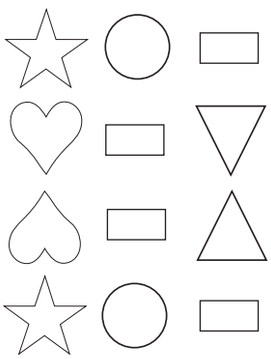


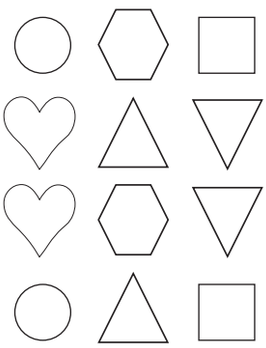
Gwala elinye ihlangothi leensiba. Akhalare.

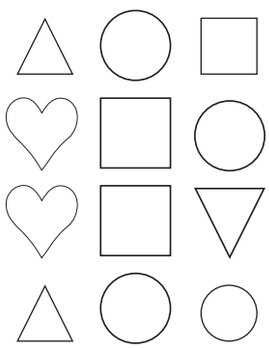












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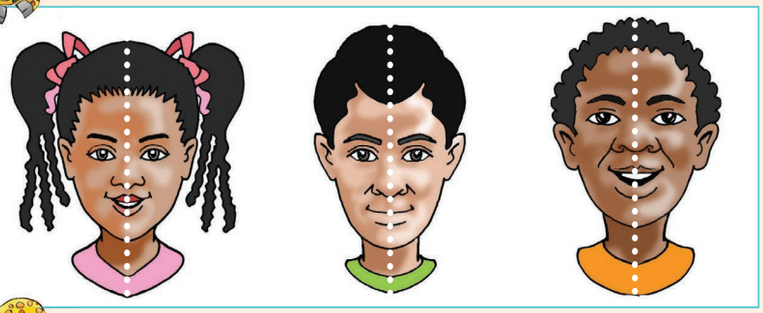
Ilanga:

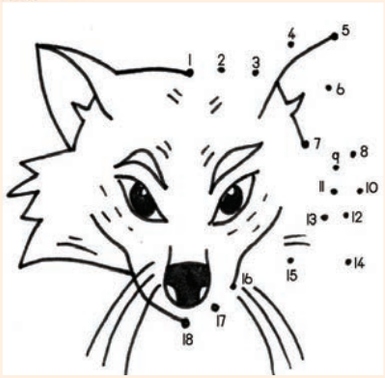
Okhunye ukubandeka-bulingana

1 Qala iinthombe zobuso.
Ingabe ihlangothi elilodwa lobuso lifana nelinye ihlangothi?

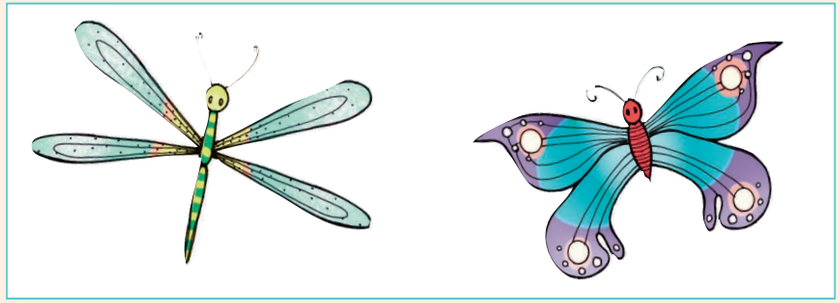


2 Gwala umuda ukuze amahlangothi womabili wobuso afane.

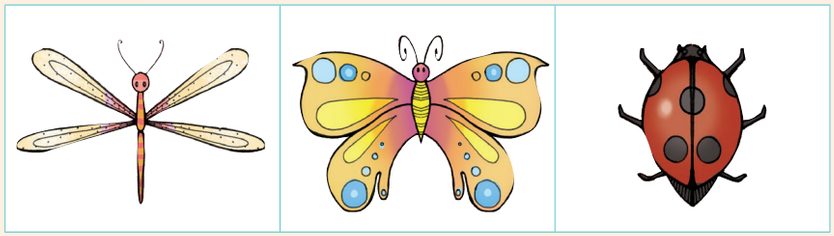
3 Gwala elinye ihlangothi lobuso. iphetheni yeenomboro izokusiza.



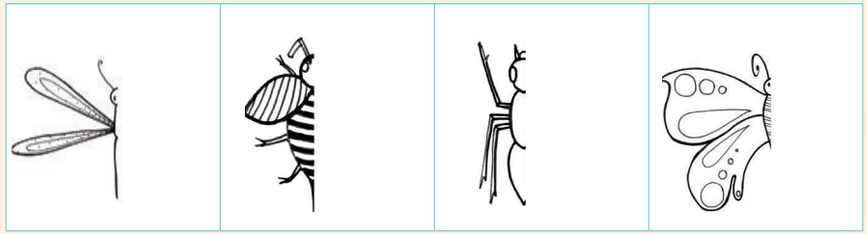
4 Qala iinthombe zamajamo. Ingabe ihlangothi libonakala lifana namanye amahlangothi? Ingabe ayafana mahlangothi woke?



5 Gwala umuda ukuze ihlangothi elilodwa lenunwana lifane nelinye.



6 Gwala elinye ihlangothi leenunwana.



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