



UKz. Angie Motshekga,  
nguNqgonqgotjhe  
wezeFundo-Sisekelo



UNom. Enver Surty,  
nguSekela kaNqgonqgotjhe  
wezeFundo-Sisekelo

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

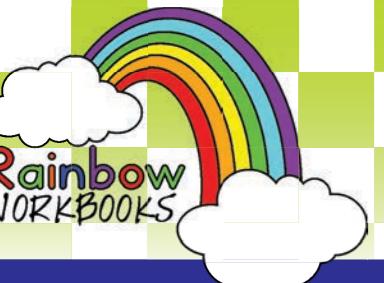
Iincwadi zokuSebenzela zakwaRainbow ziyingceny yeendlela ezinengi zomNyango wezeFundo-Sisekelo wokungelela onqopho ukuthuthukisa ukusebenza ngcono kwabafundi beSewula Afrika kumagreyidi wokuthoma asithandathu. Njengamanye wamaHlelo womBuso aphuma phambili. iprojekthi le isekelwe ngeemali ezibuya esiKhwameni 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 ikharihyulamu.

Sitjheje khudlwana ukuhlahla abotitjhere komunye nomunye umsebenzi ngokusebenzisa iinthombe ezitjengisako bona ngikuphi umfundsi amele akwenze.

Siyathemba kobana abentwana bazokuthabela ukusebenzisa iincwadi lezi njengombana bakhula bebefunda rje, nokuthi wena titjhere uzokwabelana nabo ithabo lokufunda.

Sinifisela ipumelelo ekusebenziseni iincwadi lezi.

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MATHEMATICS IN ISINDEBELE  
GRADE 2 – BOOK 2  
TERMS 3 & 4

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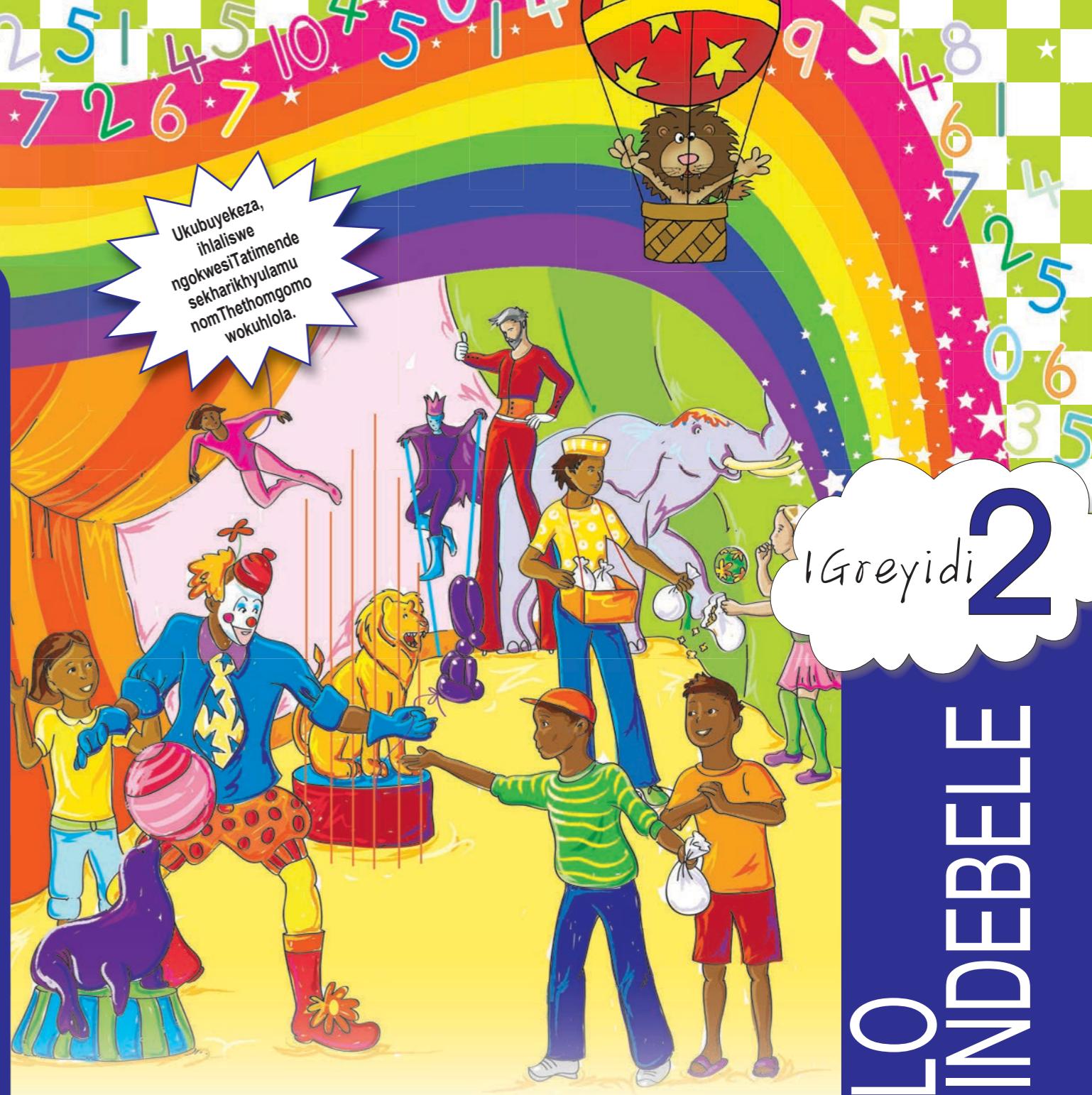
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Incwadi 2  
Ithemu  
3 & 4

I - 100

# Okumumethweko

Inomboro	Isihloko	Ikhasi
65	Iinomboro 50 – 99	2
66	Iinomboro 100 – 150	4
67	Okuzeleko, isikhekhe, akunalitho	6
68	Okhunye ngeemumathu nomthamo	8
69	Iinomboro 150 – 170	10
70	Ukubala nokulinganisa (0 – 100)	12
71	Eminye imininingwana	14
72	Ukuhlanganisa 0 – 50	16
73	Ukuhlanganisa okungaphezulu	18
74	Ukuhlanganisa nokukhupha: 0 – 75	20
75	Iimbholo, amabhoksi kanye namasilinda	22
76	Iyatjhelela, iyindulunga, yakkhiwe ngobujamo obuthathu bamabumbeko angu-D	24
77	Ukuhlanganisa nokukhupha okungezelweko 0 – 75	26
78	Imali	28
79	Imali emapheda	30
80	Amaphetheni wesikhathi	32
81a	Ama-iri nemizuzu	34
81b	Imizuzu nama-iri	36
82	Ukuhlanganisa okubuyelelweko	38
83	Buyabuyelela ngaku-5	40
84	Buyabuyelela ngaku-2	42
85a	Ikotara ngemva	44
85b	Isikhathi siyakhamba	46
86	Buyelela kibili	48
87	Ukubuyelela kibili nokuhafula	50
88	Okhunye ukubuyelela	52
89	Amaphetheni neenomboro	54
90	Amacezu – abohafu	56
91	Amacezu – amanye amahafu	58
92	Iindawo nokubonakala	60
93	Eminye godu imininingwana	62
94a	Amacezu – amakota	64
94b	Amacezu – amanye amakota	66
95	Amaphetheni weenomboro anamajamo	68
96	Ukuhlela imininingwana	70

Inomboro	Isihloko	Ikhasi
97	Iinomboro 150 – 180	72
98	Iinomboro 170 – 200	74
99	Amabumbeko anobujamo be-2-D	76
100	Iinomboro 0 – 200	78
101	Ukuhlanganisa nokukhupha	80
102	Ukuhlanganisa nokukhupha godu	82
103	Okhunye ngamaphetheni weenomboro ezinamajamo	84
104	Ukuhlanganisa nokukhupha	86
105	Okhunye ukuhlanganisa nokukhupha	88
106	Amabumbeko anobujamo 3-D	90
107	Idatha engezelweko	92
108	Ukubala imali	94
109	Ukurarulula umraro wemali	96
110	Amabuthelelo nokwabelana	98
111	Okhunye ngomthamo	100
112	Amanye amaphetheni	102
113	Ukubuyabuyelela ngaku-3	104
114	Ukubuyabuyelela okuvangileko	106
115	Okhunye ukubuyabuyelela	108
116a	Amalanga weveke	110
116b	Amalanga, iimveke kanye neenyanga	112
117	Amanye amaphetheni weenomboro	114
118	Ukwabelana ngokulingana bekufike emacezwini	116
119	Ubude	118
120	Okubudisi nokulula	120
121	Ukwabelana ngokulingana bekufike kfike emacezwini	122
122	Amacezu	124
123	Okunengi ngamacezu	126
124	Ukfana mahlangothi woke namajamo	128
125	Ukuhlela kanye namacezu	130
126	Icezu ngezinto ezbuthelwelweko	132
127	Ukfana mahlangothi woke kumaphethini	134
128	Okhunye ukubandeka-bulingana	136

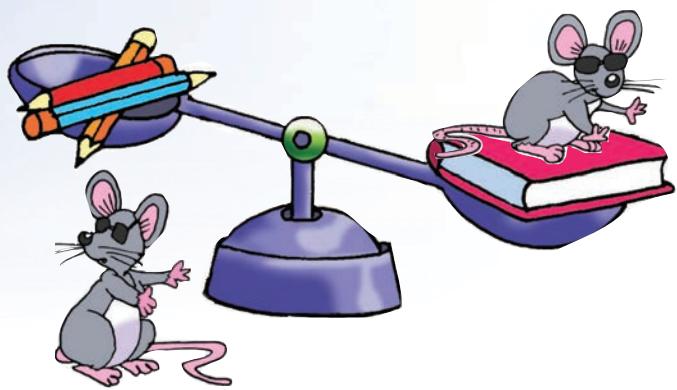
I	2	3	4	5	6	7	8	9	10
II	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

# IBanga 2



i m b a l o

Incwadi le ngeyaka:-



ISINDEBELLE  
Incwadi

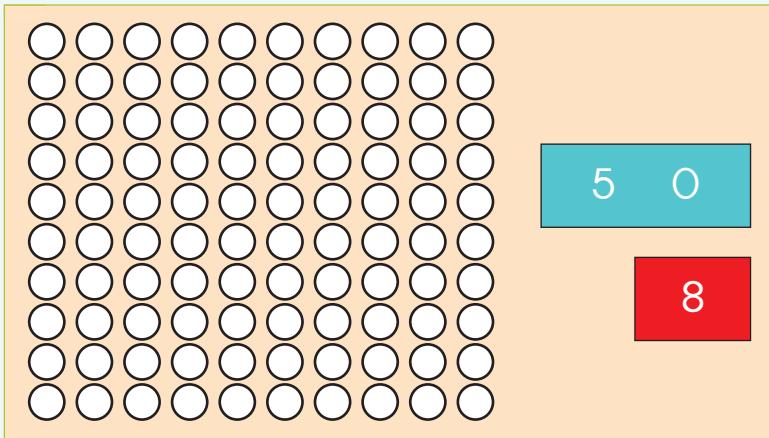
2

65



## Iinomboro 50 – qq

Khalara ngaphakathi kweeyingi ezi-58.



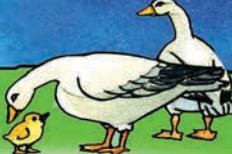
Tlola ipendulo. Isibonelo sokuthoma sizokuhlahla.

$\begin{array}{r} 60 + 8 \\ = 68 \end{array}$ 	$=$	$=$
$\begin{array}{r} 70 + 1 \\ = \end{array}$	$=$	$=$



Tlola iimpendulo zemibuzo engehla ngamagama:

amatjhumi asithandathu nobunane

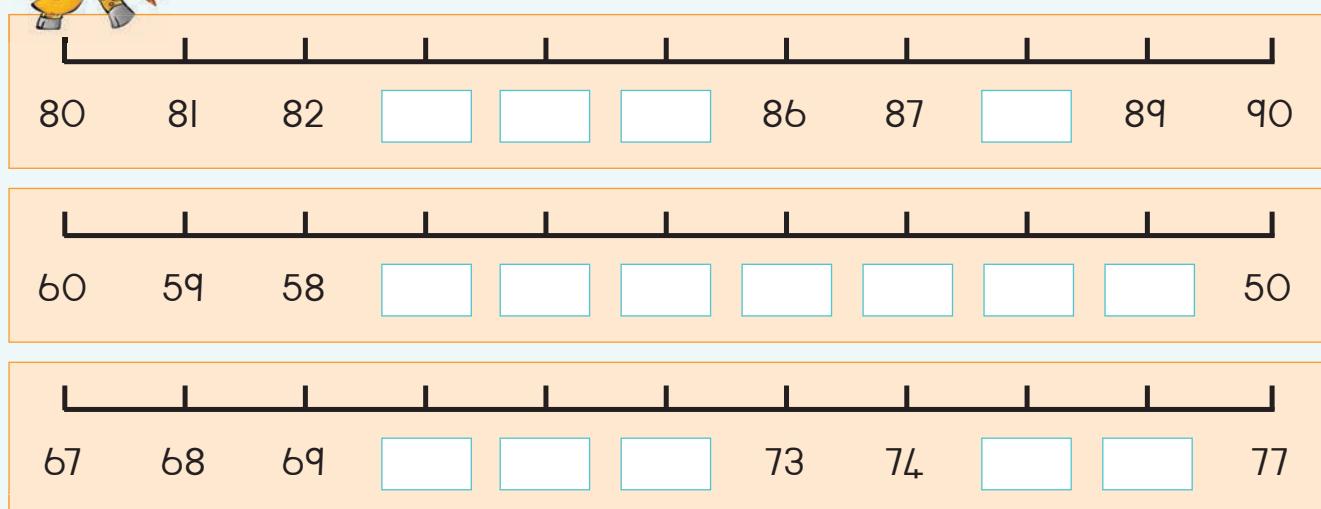


Tlola iinomboro ezimbili ezincani neenomboro ezimbili ezikulu kunaleyo enikelweko.

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



Qedelela amanambalayini alandelako.



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



Teacher:
Sign:
Date:

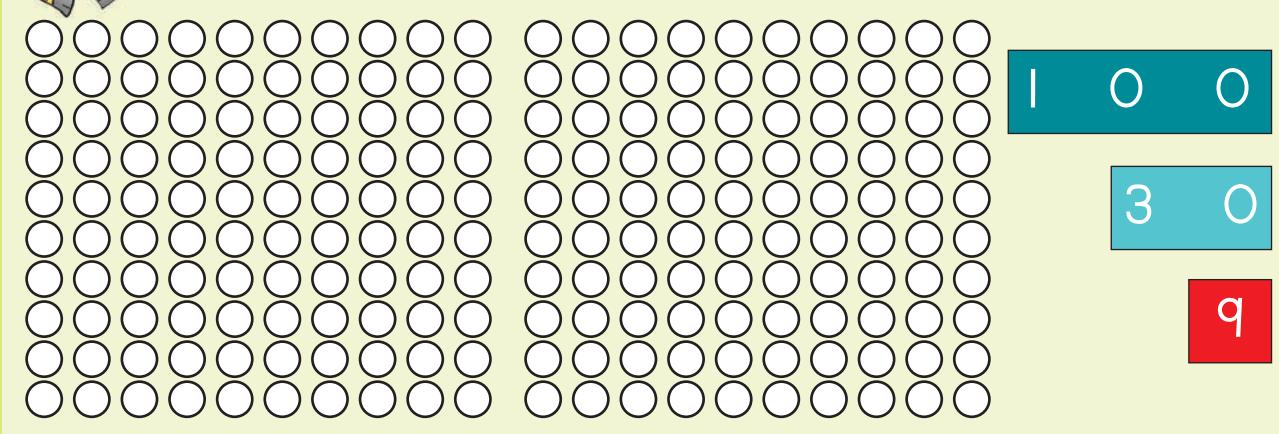
66



## Iinomboro 100–150

Khalara ngaphakathi kwesiyingga se-139.

Ithemu 3



Tlola inomboro ejamele:

$100 + 20 + 8 = 128$	=	=
$100 + 50 =$	$=$	$=$

The table contains three rows of addition problems. The first row shows  $100 + 20 + 8 = 128$  with a pencil icon. The second row shows  $100 + 50 =$ . The third row shows  $100 + 30 =$ .



Ngiziphi iinomboro eziza hlangana:

103 na-105?

\_\_\_\_\_

139 na-141?

\_\_\_\_\_

120 na-122?

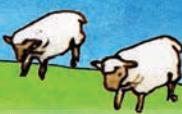
\_\_\_\_\_

150 na-148?

\_\_\_\_\_

146 na-148?

\_\_\_\_\_

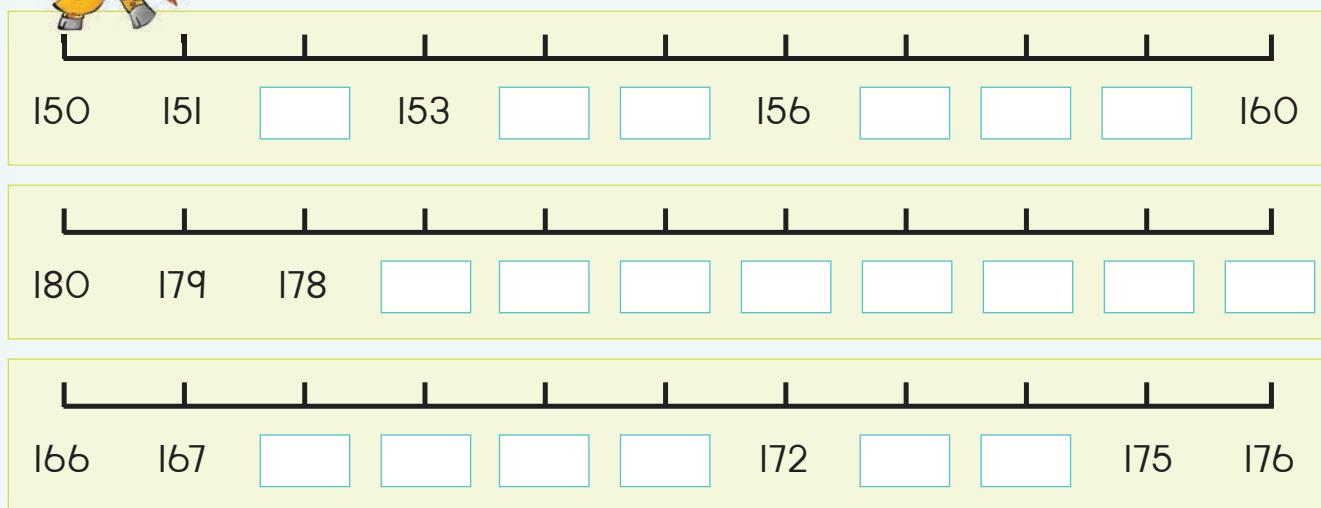


Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu  
kunenomboro enikelweko.

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



Qedelela amanambalayini alandelako.



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



Teacher:
Sign:
Date:

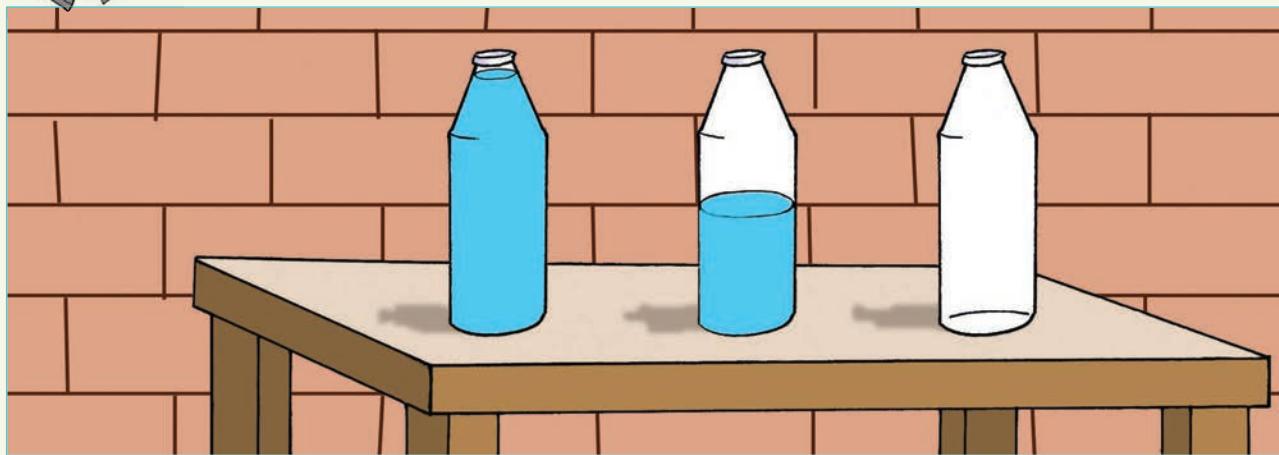
67



## Zeleko, isikhekhe, akunalitho

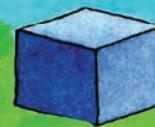
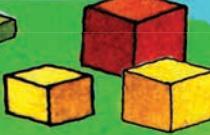
Ilanga:

Khulumani ngamabhollelo aphezu kwetafula lakatitjhhere.



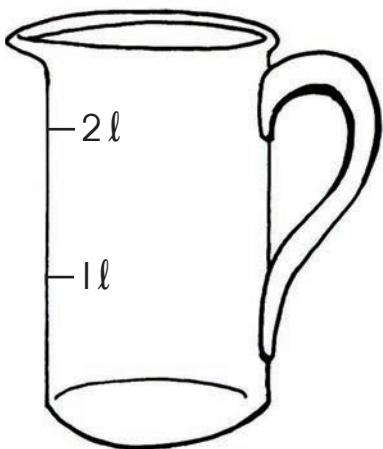
Yitjho nangabe isimumathi sizele, sisikhlekhe nanyana asinalitho.



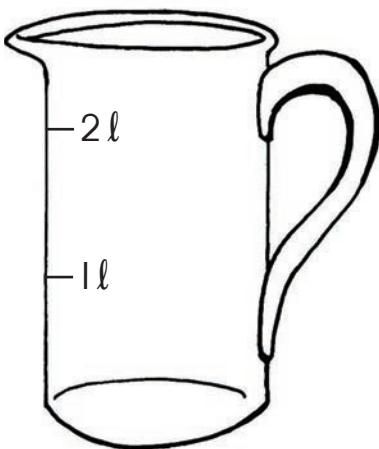


Khalara ukutjengisa kobana kunetlelezi elingangani ngesimumathini.

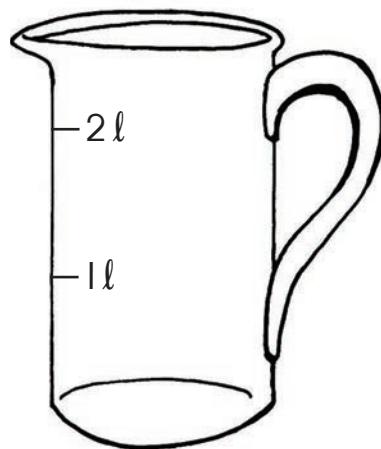
Kuzele



Sikhukhe



Akunalitho



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

Kuzele

Sikhukhe

Akunalitho



Ngisiphi isimumathi esimumatha itlelezi elinengi?





## Okhunye ngeemumathi nomthamo

Qala iinthombe. Abentwana benzani?



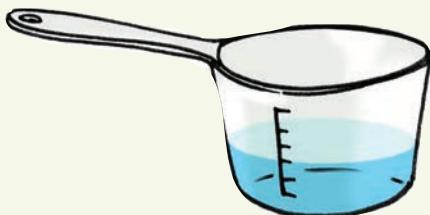
Amakhezo azokuzalisa ijego kufikela kuphi? Khalara.

Ikhezo letiye elilodwa  
lizalisa ikomiki  
kufika lapha.





Utlhoga amanye amakhezo amangaki ukuzalisa ikopi lokulinganisa?



Ugogo usebenzisa amakomitji amabili webisi ukwenza iphudingga. Nange ugogo abuyabuyeleta kabilo iresiphi, uzokuthloga ibisi elingangani?

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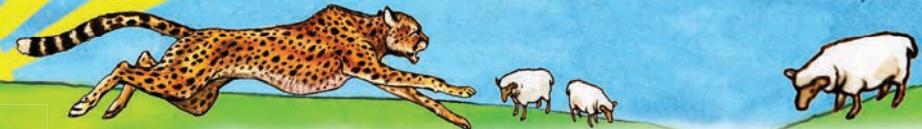
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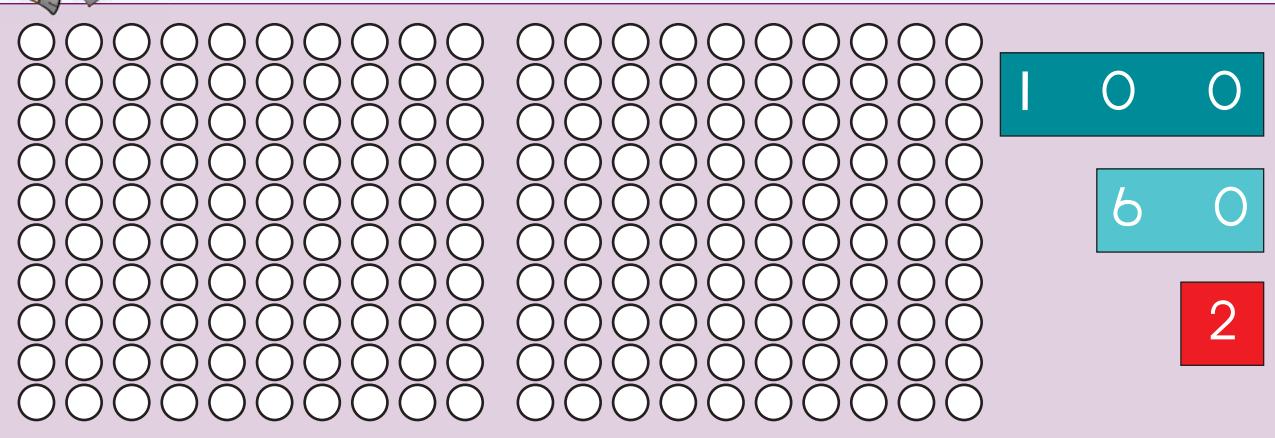
Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

69



## Inomboro 150 – 170

Khalara ngaphakathi kwesiyingi se-162.



Tlola inomboro ejamele:

$1 \ 0 \ 0 + 5 \ 0 + 2 = 152$	$1 \ 0 \ 0 + 6 \ 0 + 7 =$	$1 \ 0 \ 0 + 7 \ 0 =$
$1 \ 0 \ 0 + 6 \ 0 + q =$	$1 \ 0 \ 0 + 5 \ 0 + 4 =$	$1 \ 0 \ 0 + 6 \ 0 + 1 =$



Tlola enye nenyi inomboro ehlangana:

150 na-155 \_\_\_\_\_

158 na-162 \_\_\_\_\_

170 na-165 \_\_\_\_\_

163 na-167 \_\_\_\_\_

172 na-166 \_\_\_\_\_



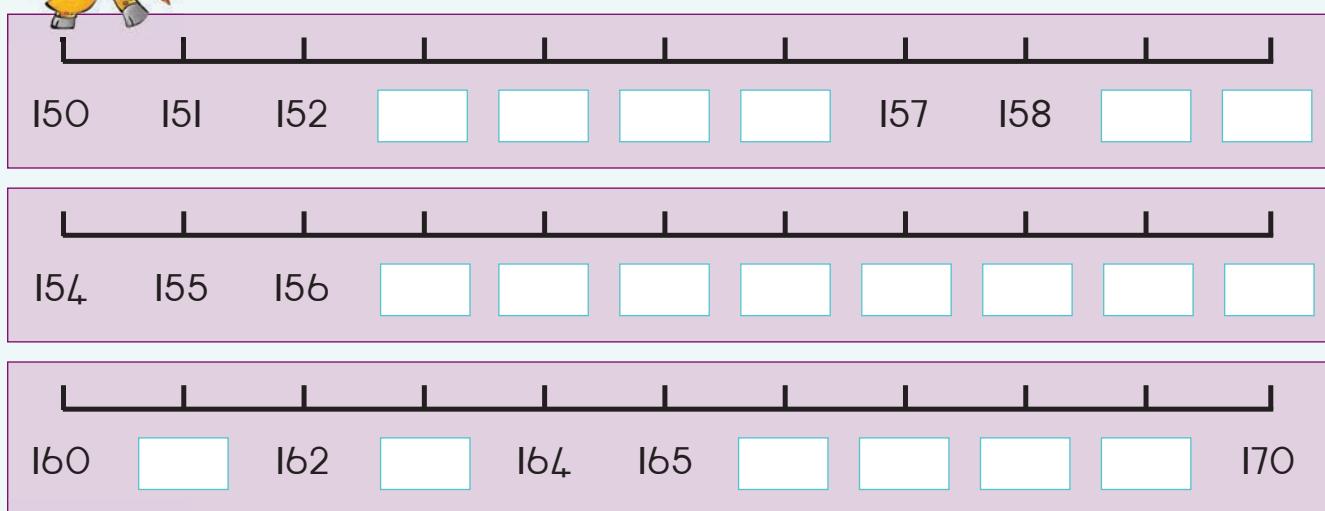
Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu  
kunenomboro enikelweko.



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



Qedelela amanambalayini.



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



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

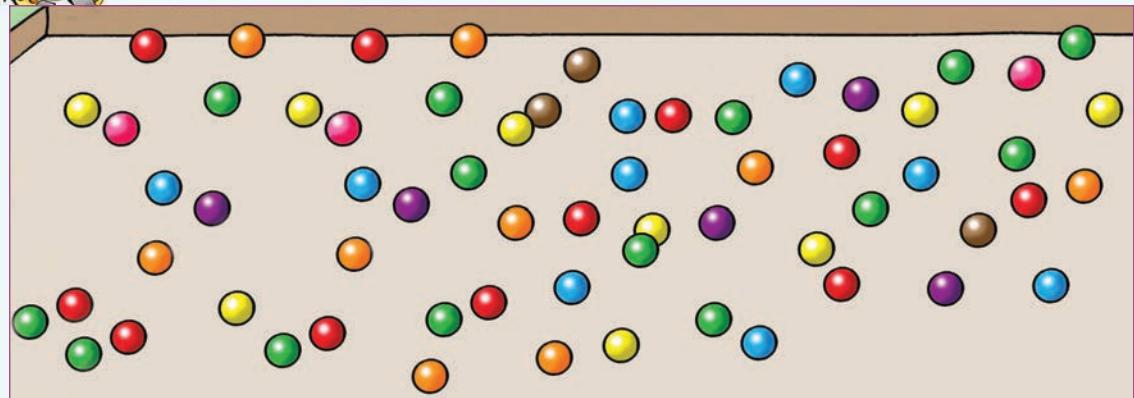
70



## Ukubala nokulinganisa (0 – 100)

Ilanga:

Linganisa bese ubala umncamo.

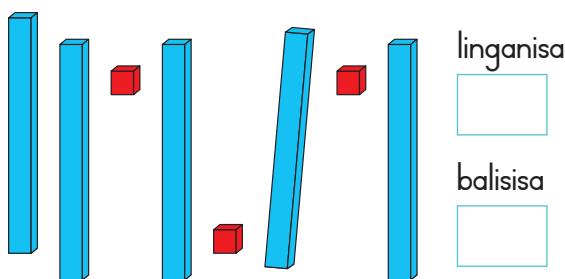
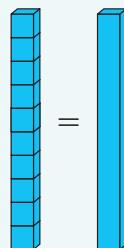


linganisa

balisia

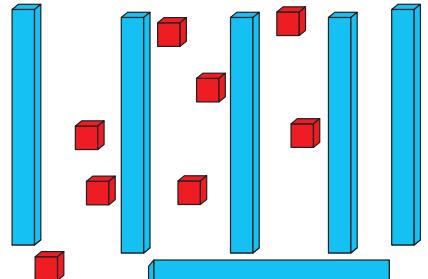


Ngesimumathini kunamabhoksi ali-10.  
Linganisa bese uyabala.



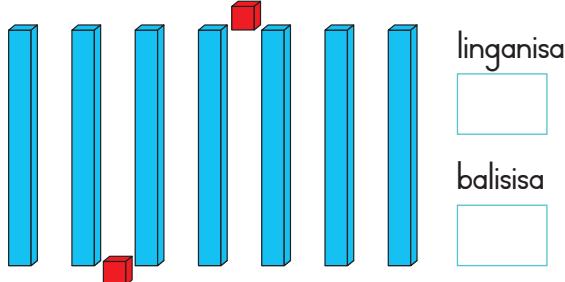
linganisa

balisia



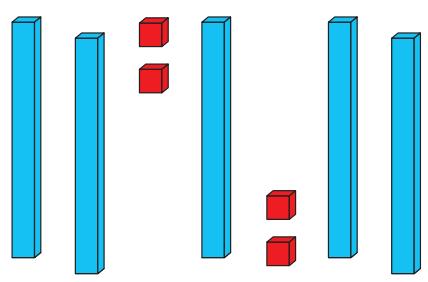
linganisa

balisia



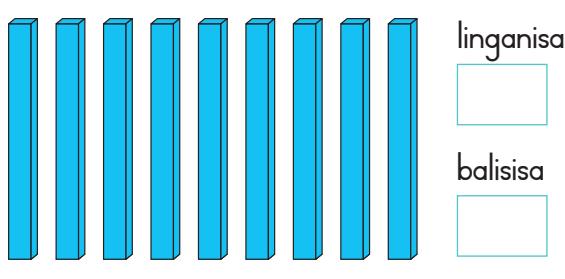
linganisa

balisia



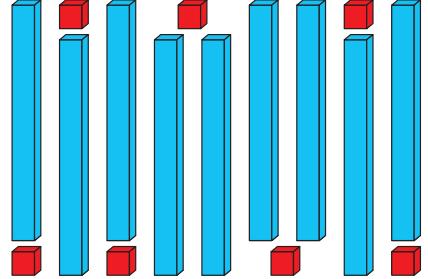
linganisa

balisia



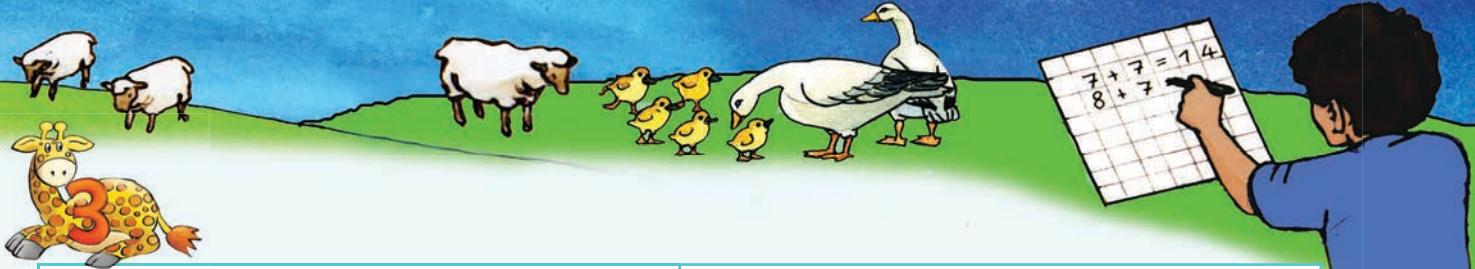
linganisa

balisia



linganisa

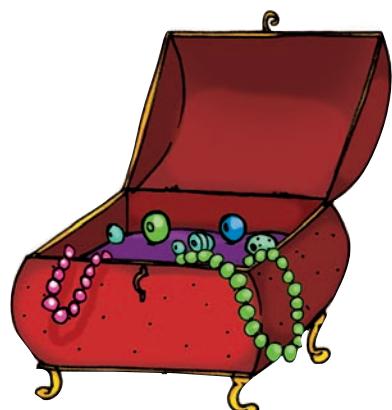
balisia



Ngebhoksini kunamaswidi ama-42. Mangaki amaswidi afihliweko?




Ngebhoksini kunemincamo ema-50. Mingaki imincamo efihliweko.




Ngebhoksini kunamaswidi ama-78. Mangaki amaswidi afihliweko?



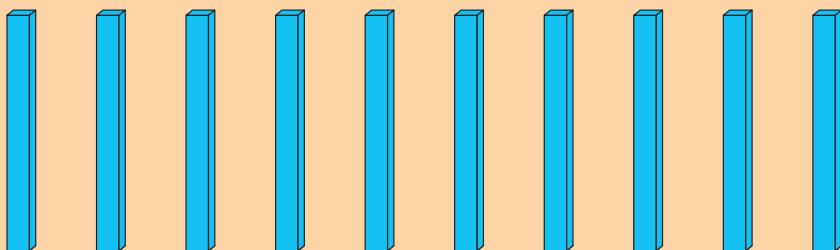

Ngebhoksini kunemincamo eli-100. Mingaki imincamo efihliweko.





Ungakwenza ngokurhaba okungangani lokhu?

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



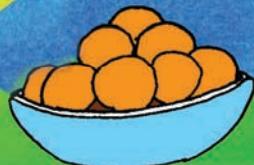


Teacher:

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Date:

71

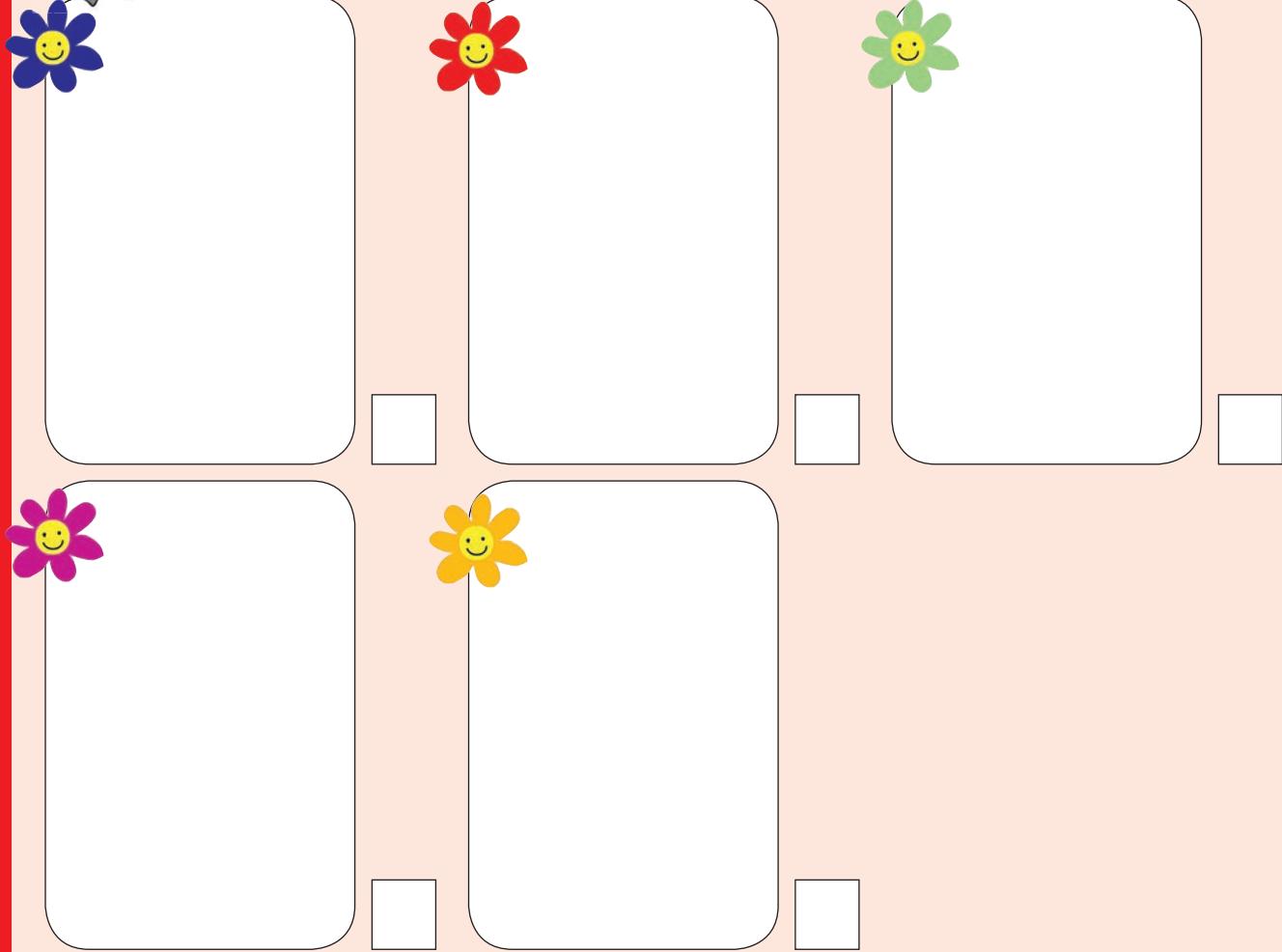


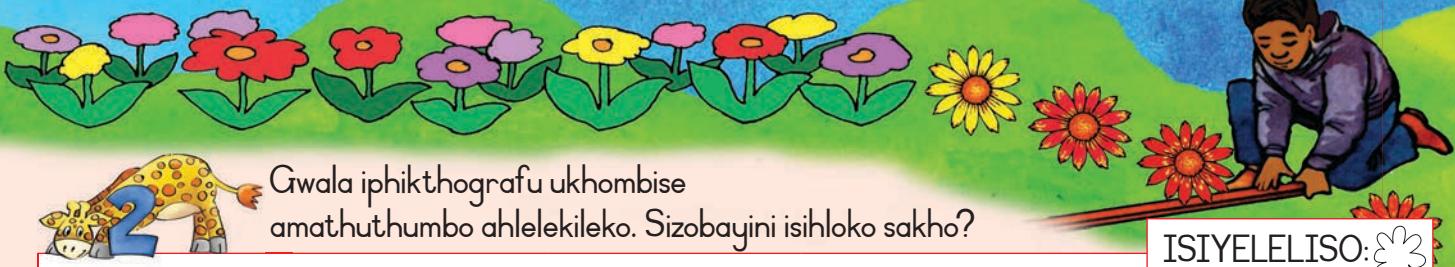
## Eminye imininingwana

Ithemu 3



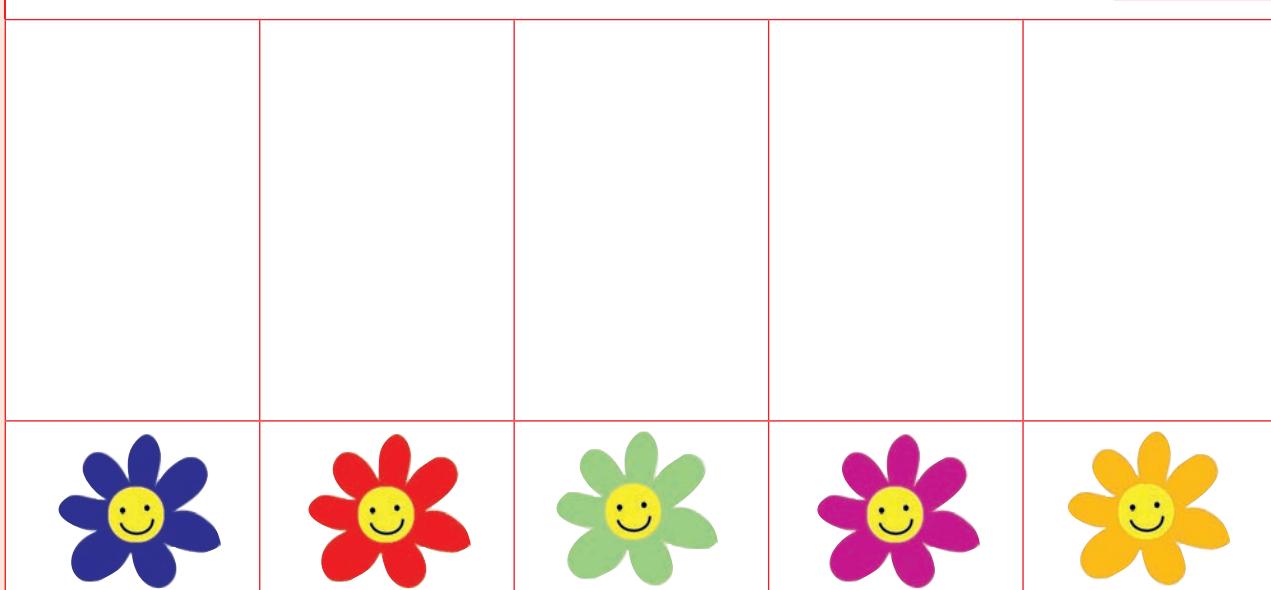
Hlela amathuthumbo. Gwala umgwalo wakho. Tlola inani ngaphakathi.





Gwala iphikthografu ukhombise  
amathuthumbo ahlekileko. Sizobayini isihloko sakho?

ISIYELELISO: 



Phendula imibuzo elandelako:

Kunamathuthumbo amangaki aphephuli lapha?

Kunamathuthumbo amangaki abovu lapha?

Kunamathuthumbo amangaki ahlaza kotjani lapho?

Kunamathuthumbo amangaki apinkki lapha?

Kunamathuthumbo amangaki asarulana lapha?

Ngiliphi ithuthumbo elinombala ovamileko?

Ngiliphi ithuthumbo elinombala ongakavami?

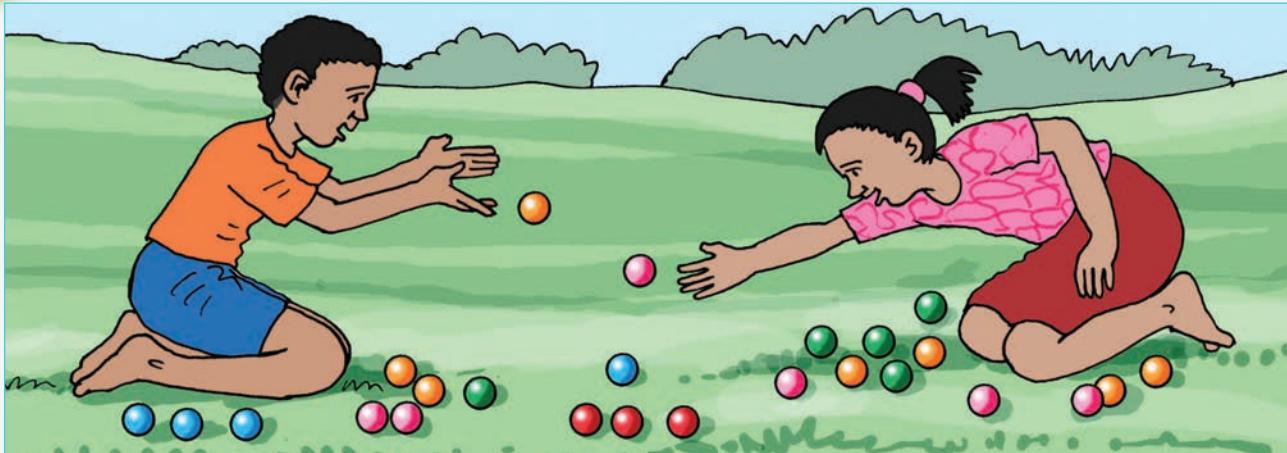
Ngiwuphi umbala wethuthumbo owuthandako wena?





## Ukuhlanganisa 0 – 50

Ilanga:



Qala esithombeni bese uhlanganisa amabula.

abomvu

+ ahlaza kwesibhakabhaka

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

ahlaza satjani

+ ahlaza kwesibhakabhaka

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

apinki

+ ahlaza kwesibhakabhaka

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

ahlaza satjani

+ a-orontji

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

abomvu

+ ahlaza satjani

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



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

2

1 0

5

2 0

3

3 0

7

4 0

$$7 + 40 = 47$$

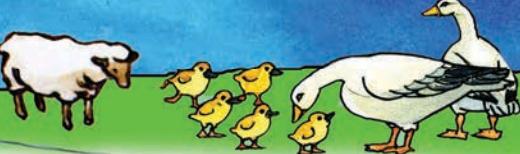
$$10 + 2 = 12$$

$$20 + 5 = 25$$

$$3 + 30 = 33$$



Hlanganisa.



Hlanganisa.

$16 + 13$

<b>6</b>	<b>3</b>	<b>q</b>
<b>1</b>	<b>0</b>	<b>2</b>
<b>1</b>	<b>6</b>	<b>1</b>
<b>3</b>	<b>0</b>	<b>3</b>

$$16 + 13 = 29$$

$24 + 12$

<b>4</b>	<b>2</b>	<b> </b>
<b>2</b>	<b>0</b>	<b>1</b>
<b> </b>	<b> </b>	<b> </b>

$$+   =$$

$37 + 11$

<b>7</b>	<b>1</b>	<b> </b>
<b>3</b>	<b>0</b>	<b>1</b>
<b> </b>	<b> </b>	<b> </b>

$$+   =$$

$25 + 23$

<b>5</b>	<b>3</b>	<b> </b>
<b>2</b>	<b>0</b>	<b>2</b>
<b> </b>	<b> </b>	<b> </b>

$$+   =$$

$36 + 12$

<b>6</b>	<b>2</b>	<b> </b>
<b>3</b>	<b>0</b>	<b>1</b>
<b> </b>	<b> </b>	<b> </b>

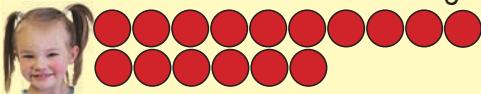
$$+   =$$

$28 + 21$

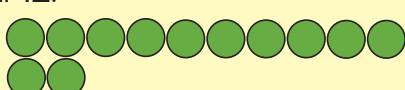
<b>8</b>	<b>1</b>	<b> </b>
<b>2</b>	<b>0</b>	<b>2</b>
<b> </b>	<b> </b>	<b> </b>

$$+   =$$

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



Zingaki sezizoke?



Teacher:

Sign:

Date:



11

12

13

14

15

16

17

18

19

20

73



Ilanga:

## Ukuhlanganisa okungaphezulu

Ithemu 3



Ibhlogo ngalinye linenani elingangani?

10  
106 20  
2 103 20  
5 304 40  
4 30

Hlanganisa.

 $12 + 11$ 

$$\begin{array}{c}
 \boxed{\phantom{0}} \quad \boxed{\phantom{0}} \quad + \quad \boxed{\phantom{0}} \quad \boxed{\phantom{0}} \\
 = \quad \boxed{\phantom{0}} \quad + \quad \boxed{\phantom{0}} \quad + \quad \boxed{\phantom{0}} \quad + \quad \boxed{\phantom{0}} \\
 = \quad \boxed{\phantom{0}} \quad + \quad \boxed{\phantom{0}} \\
 = \quad \boxed{\phantom{0}}
 \end{array}$$

 $23 + 41$ 

$$\begin{array}{c}
 \boxed{\phantom{0}} \quad \boxed{\phantom{0}} \quad + \quad \boxed{\phantom{0}} \quad \boxed{\phantom{0}} \\
 = \quad \boxed{\phantom{0}} \quad + \quad \boxed{\phantom{0}} \quad + \quad \boxed{\phantom{0}} \quad + \quad \boxed{\phantom{0}} \\
 = \quad \boxed{\phantom{0}} \quad + \quad \boxed{\phantom{0}} \\
 = \quad \boxed{\phantom{0}}
 \end{array}$$



Qedelela.

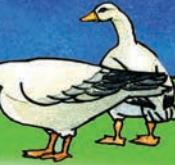
$$28 + 11 = 2\boxed{8} + 10 + 1 = 38 + 1 = 39$$

$$34 + 12 = 3\boxed{4} + 10 + 2 = \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$43 + 23 = 4\boxed{3} + 20 + 3 = \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$45 + 23 = 4\boxed{5} + 20 + 3 = \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$56 + 11 = 5\boxed{6} + 10 + 1 = \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



Hlanganisa.

$21 + 10 = \boxed{\quad}$

$53 + 10 = \boxed{\quad}$

$46 + 10 = \boxed{\quad}$

$68 + 10 = \boxed{\quad}$

$37 + 10 = \boxed{\quad}$

$42 + 10 = \boxed{\quad}$

$74 + 10 = \boxed{\quad}$

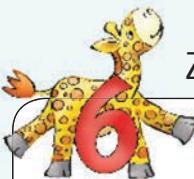
$19 + 10 = \boxed{\quad}$

$55 + 10 = \boxed{\quad}$

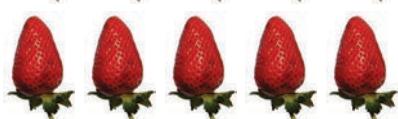
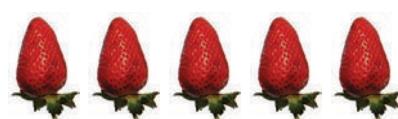
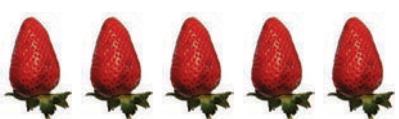
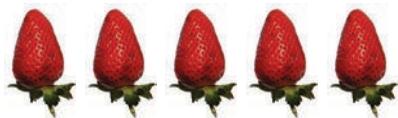
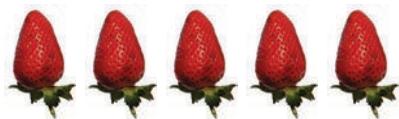


Ithini ipendulo nawuhlanganisa ama-47 kanye nesi-6?

Gwala isithombe ukuze utjengise ipendulo yakho.



Zenzele zakho iimbalo usebenzise iinthombe.



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

74



Ilanga:

## Ukuhlanganisa nokukhupha: 0 – 75

Ithemu 3



Madanisa amakarada. Gwala umuda usuke esibalweni uye ependulweni enembako.

q

6 0

5

5 0

4

7 0

7

4 0

$7 + 40 = 47$

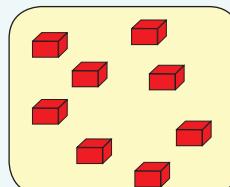
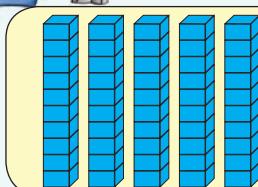
$60 + 9 = 69$

$50 + 5 = 55$

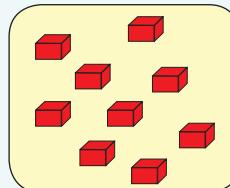
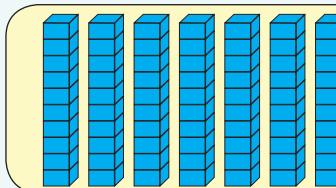
$4 + 70 = 74$



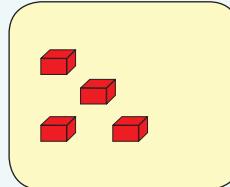
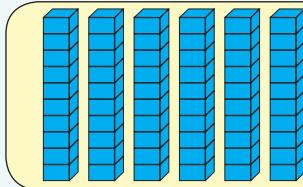
Tlola isibalo salokhu okulandelako bese uzaliselela ngependulo enembako.



$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$



$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$



$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$



$60 + 4 = \boxed{\quad}$

$30 + 2 = \boxed{\quad}$

$40 + 9 = \boxed{\quad}$

$50 + 4 = \boxed{\quad}$

Hlanganisa.

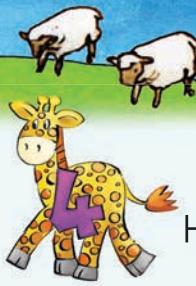
$20 + 8 = \boxed{\quad}$

$10 + 7 = \boxed{\quad}$

$70 + 5 = \boxed{\quad}$

$70 + 8 = \boxed{\quad}$

$50 + 6 = \boxed{\quad}$



Hlanganisa.



$$56 + 15$$



$$56 + 15 = 71$$

$$34 + 17$$

$$48 + 13$$

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

$$63 - 41$$

$$\square - \square = \square$$

$$75 - 51$$

$$\square - \square = \square$$

$$72 - 49$$

$$\square - \square = \square$$



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

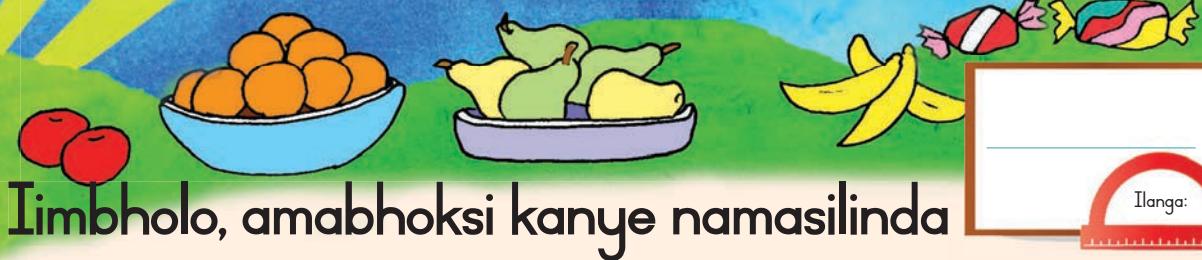


Teacher:

Sign:

Date:

Lithini inani lamabhlogo nasele awoke? \_\_\_\_\_



# Iimbholo, amabhoksi kanye namasilinda

Ilanga:

Amagama la angakusiza:

- amabhoksi
- iimbholo
- amasilinda

Usakhumbula kobana abizwani amabumbeko alandelako?

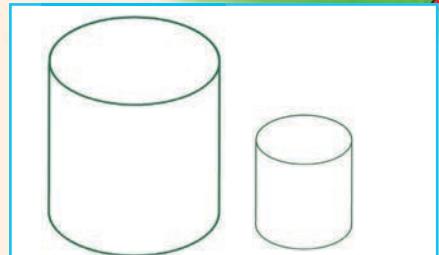
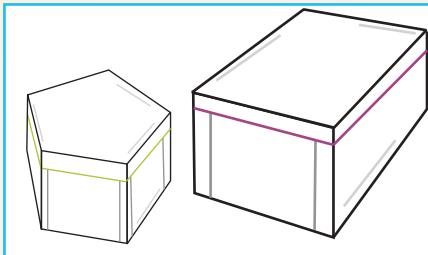


Thola iimbholo, amabhoksi kanye namasilinda bese utlolola ibizo ngaphasi kwelinye nelinye ibumbeko.





Khalara okuncani ngombala ohlaza kwesibhakabhaka.



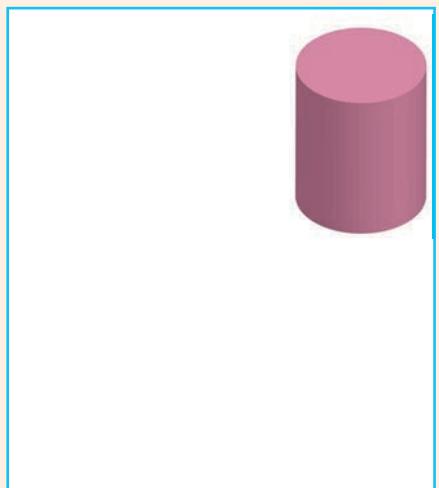
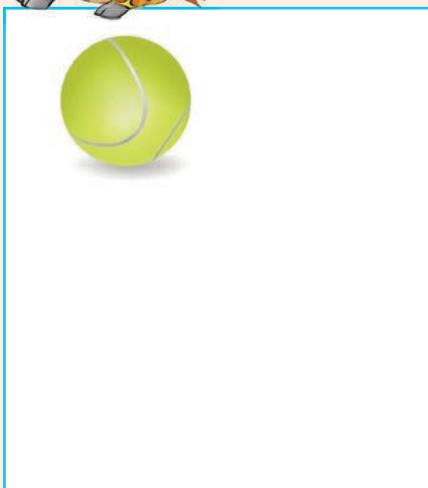
amabhoksi

iimbholo

amasilinda



Gwala okukhulu.



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



Teacher:
Sign:
Date:

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

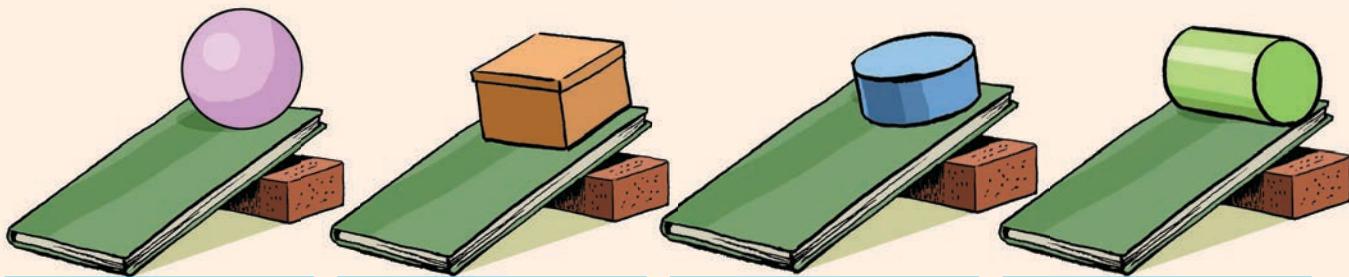


Utitjhore wakho uzokwenza umsebenzi lo nawe ukuze ubone kobana lokhu okulandelako kuyanzinza na:

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



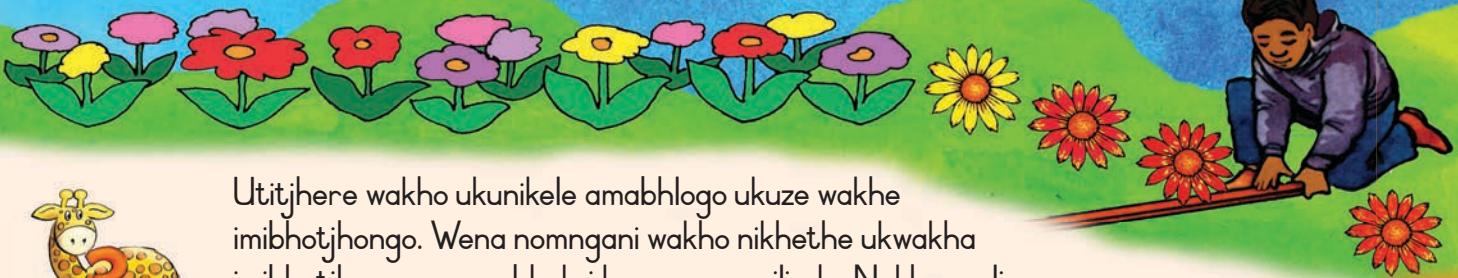
Amabhoksi, iimbholo nanyana amasilinda angagedeka nanyana angatjhelela. Utitjhore uzokunikela lokhu okulandelako ukuze kubonakale kobana kungagedeka nanyana kungatjhelela na. Ngemva kokwenza umsebenzi lowo, yitjho kobana into ngayinye izokutjhelela nanyana izokugedeka na.



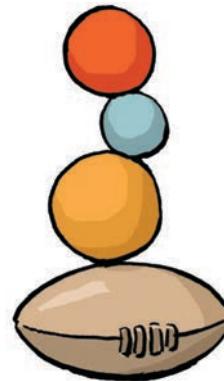
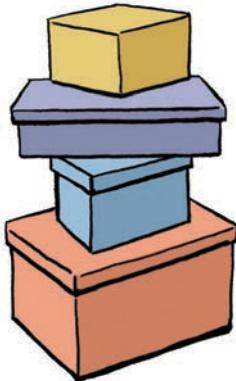
Thola iinthombe ngaphakathi kwemegazini zezinto ezingagedeka nanyana ezingatjhelela.

**ezigedekako**

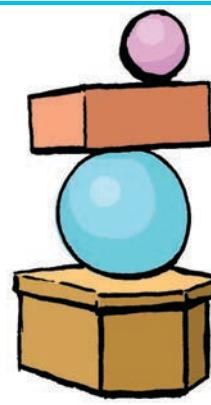
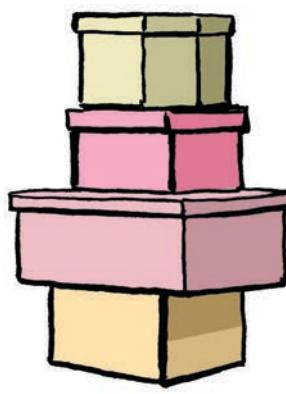
**ezitjhelelako**



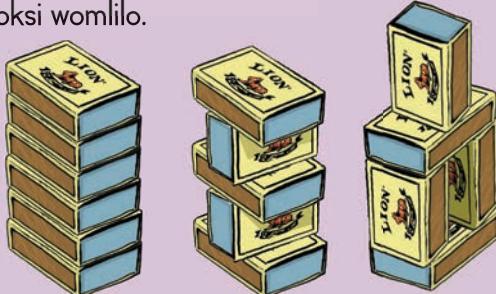
Utitjhere wakho ukunikele amabhlogo ukuze wakhe imibhotjhongo. Wena nomngani wakho nikhethe ukwakha imibhotjhongo ngamabhoksi kanye namasilinda. Nakhu ozolinga ukukwakha. Yitjho kobana uyaphumelela nanyana awuphumeleli.



Lokhu kuzokusebenza

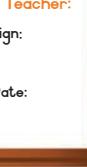


Okulandelako mibhotjhongo eyakhiwe ngamabhoksi womlilo.



Utlhoga:  
Amabhoksi womlilo.

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





## Ukuhlanganisa nokukhupha okungezelelweko 0 – 75

Ilanga:



Hlanganisa iinomboro ngebhlogweni ngalinye bese utlola ipendulo yakho.

	5 0		3 0
2	2 0	7	1 0
3		2	



Hlanganisa usebenzise indlela yakho.

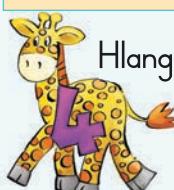
$52 + 21$

$43 + 28$



Qedelela.

28	+	31	=	2	8	+	3 0	+	1	=	58	+	1	=	59
45	+	32	=	4	5	+	3 0	+	2	=		+		=	
52	+	14	+	5	2	+	1 0	+	4	=		+		=	



Hlanganisa.

$41 + 10 = \boxed{\phantom{0}}$

$44 + 10 = \boxed{\phantom{0}}$

$71 + 10 = \boxed{\phantom{0}}$



Nawuhlanganisa ama-36 kanye nama-24 ipendulo \_\_\_\_\_  
Gwala isithombe utjengise ipendulo yakho.



6

Khupha iinomboro ezingaphasi kezingaphezulu.

5 7 0

2 6 0

7 5 0

q 3 0

3 4 0

1 2 0

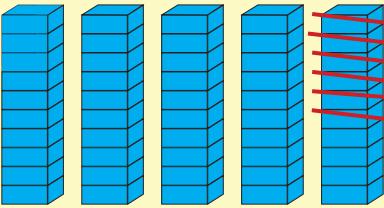
6 1 0

5 1 0

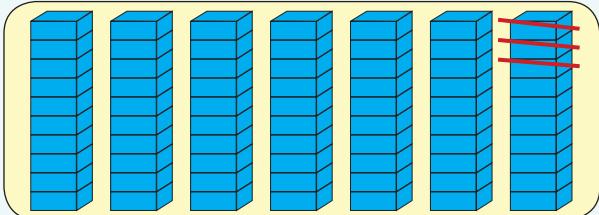





Tlola inani lokulandelako.



$$\boxed{\phantom{0}} - \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



$$\boxed{\phantom{0}} - \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



Khupha:

$$65 - 23$$

$$72 - 29$$



Khupha:

$$61 - 10 = \boxed{\phantom{0}}$$

$$42 - 10 = \boxed{\phantom{0}}$$

$$37 - 10 = \boxed{\phantom{0}}$$



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



Kusele amamabula amangak? \_\_\_\_\_





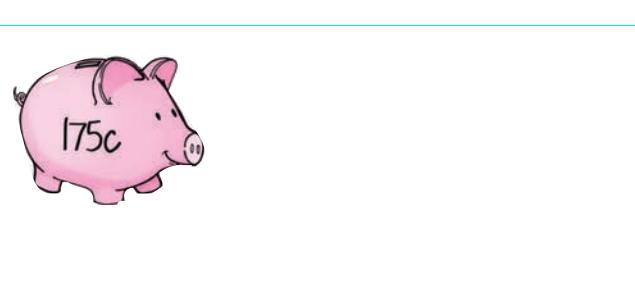
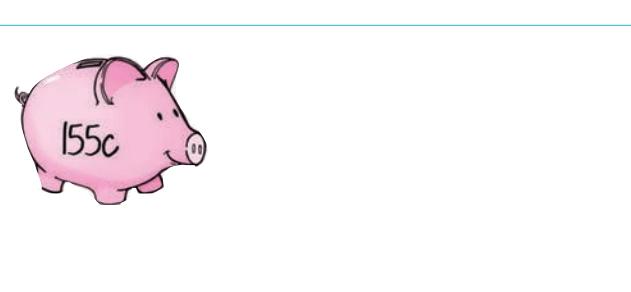
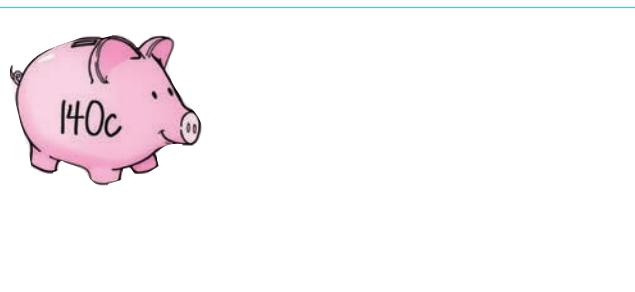
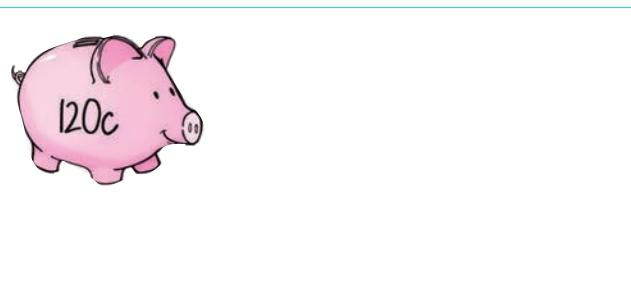
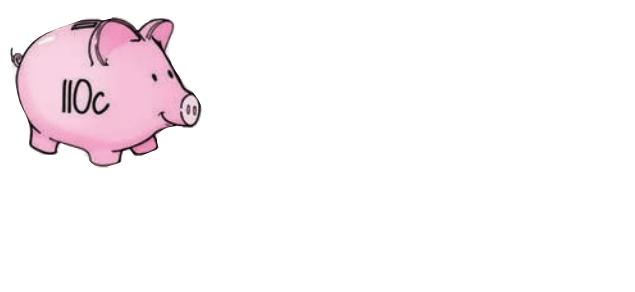
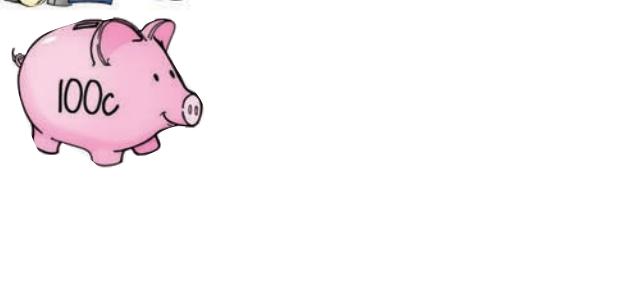
## Imali

Ilanga:

Kunani ngaphakathi kwebhanga lengulutjana?

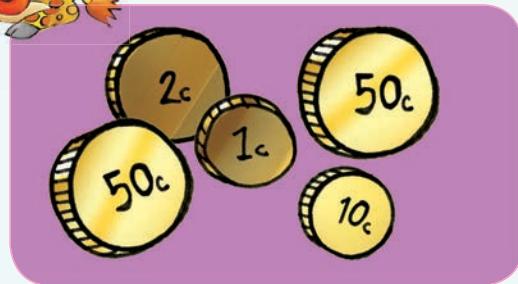


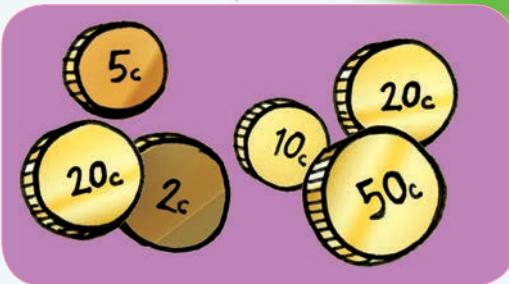
Sebenzisa imali emumuwa kibosika besi-3 bese unamathisela inani elinembako lemali lapha.





Zingaki iinsende?



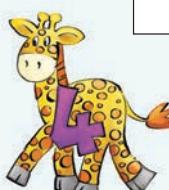












Imbalo zamagama:

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.



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

79

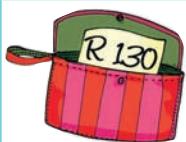


## Imali emaphetheha

Yimalini engepheseneni yami?



Sebenzisa imali yamaphetheha kibosika besi-3 bese unamathisela inani elinemba ko lemali lapha.





Mangaki amaranda?

R100      R50

R100      R20  
R20

R10      R10  
R100      R10

R20      R10  
R100

R20      R10  
R100      R50

R100      R20  
R20      R20      R50      R10



Imbalo ngamagama:

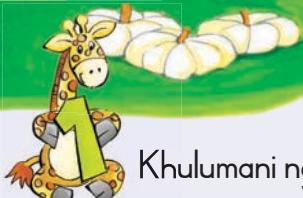
Umnakwethu une-R100. Mina nginama-R50. Udadwethu omncani unama-R20. Sisoke sinamalini?

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

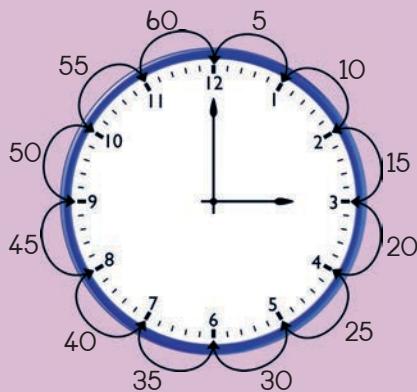


Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

# Amaphetheni wesikhathi



Khulumani ngewatjhi.



Iwatjhi isitjengisa isikhathi.

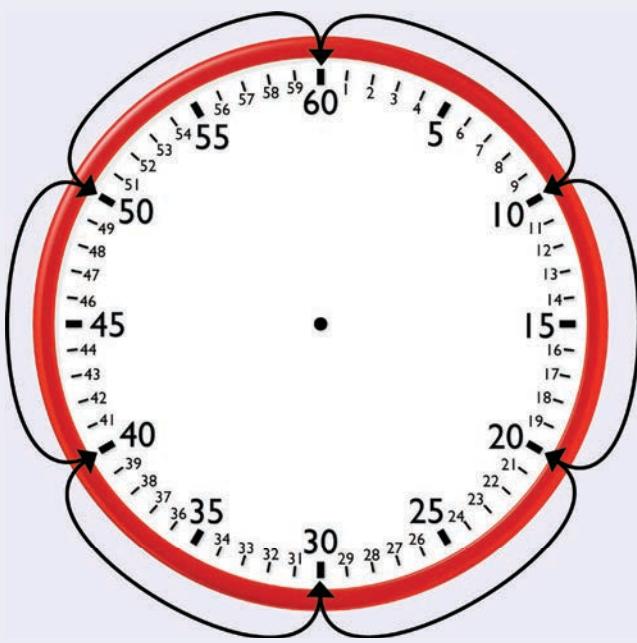
Umkhono omfitjhani usitjela ngama-iri.

Umkhono omude usitjela ngemizuzu.

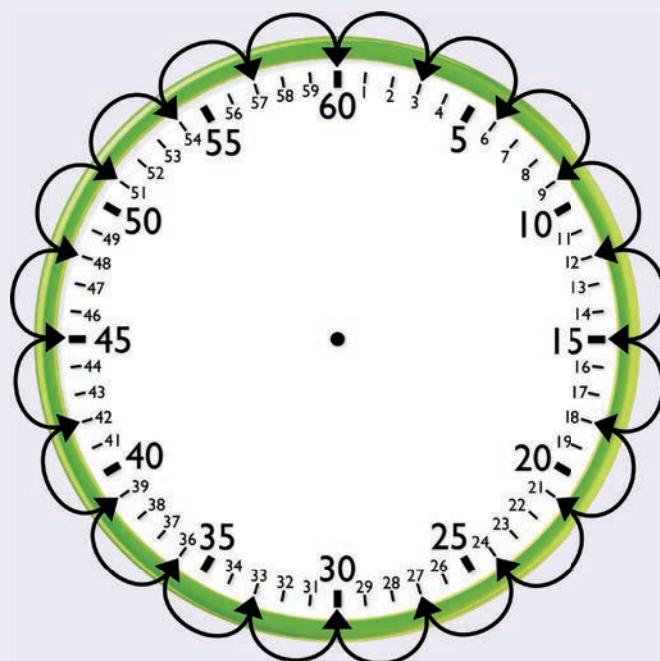
Lapha sibala imizuzu ngakuhlanu.



Yini iphetheni? Njalo qalisisa imikhonto bese utlola phasi iphetheni.



10, —, —, —, —, —,



3, —, —, —, —, —, —,

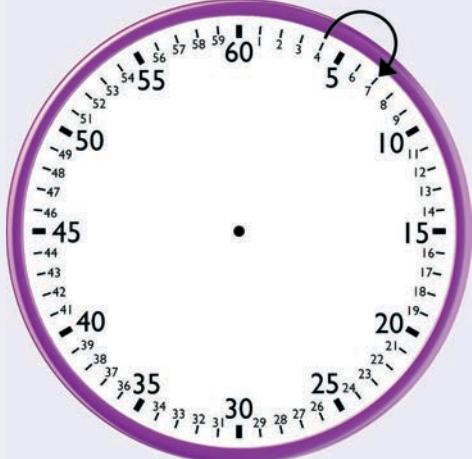
—, —, —, —, —, —, —,

—, —, —, —, —,

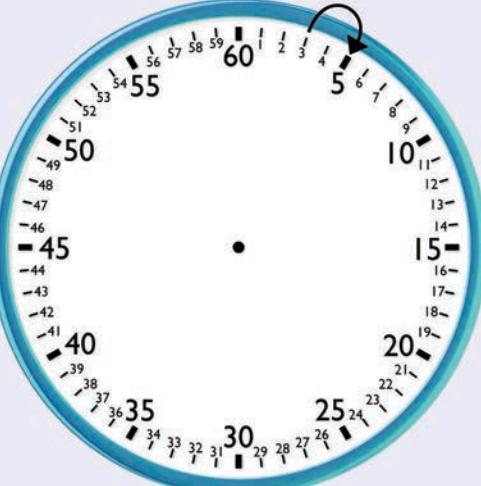


Tjengisa iphetheni ngokusebenzisa imikhonto.

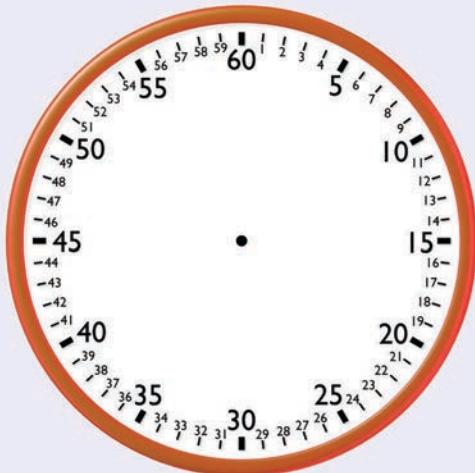
Bala ngakuthathu uthome ku-4.



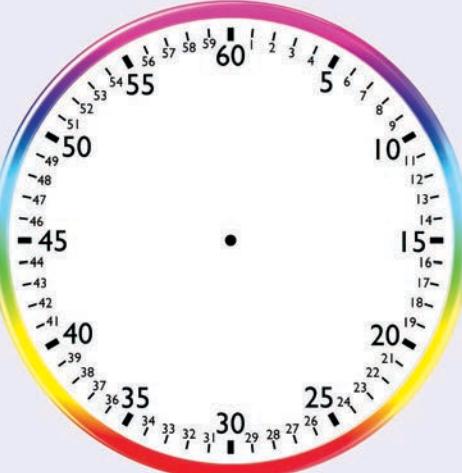
Bala ngaku-2 uthome ku-3.



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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Khulumani ngewatjhi.



## Ama-iri nemizuzu



Umkhono omfitjhani udlule kancani e-irini **lesi-3**.

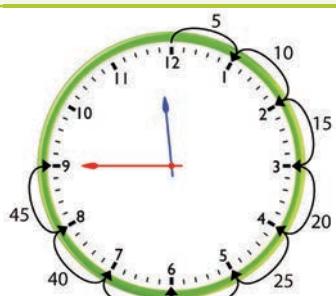
**Umkhono omude** uphezu kwemizuzu **eli-15**.

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 \_\_\_\_\_.

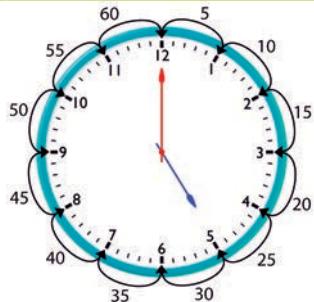
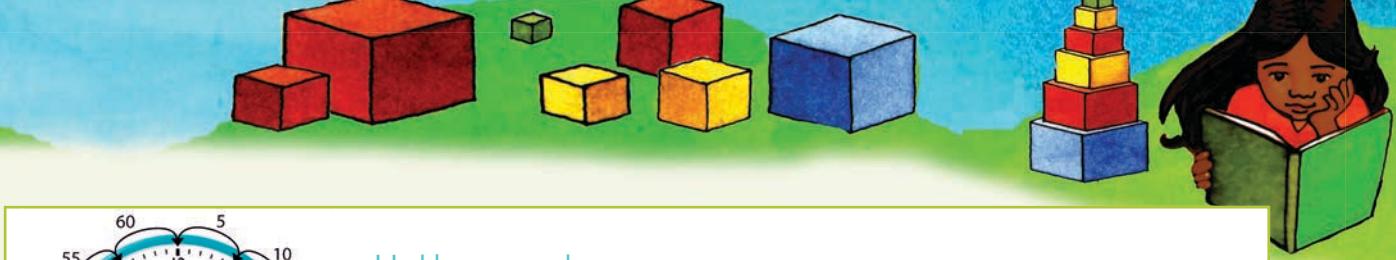
Sithi \_\_\_\_\_.



Umkhono omude usitjengisa \_\_\_\_\_.

Umkhono omfitjhani usitjengisa \_\_\_\_\_.

Sithi \_\_\_\_\_.



Umkhono omude usitjengisa \_\_\_\_\_.

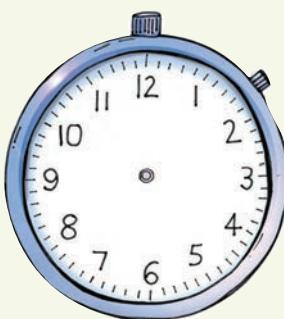
Umkhono omfitjhani usitjengisa \_\_\_\_\_.

Sithi \_\_\_\_\_.



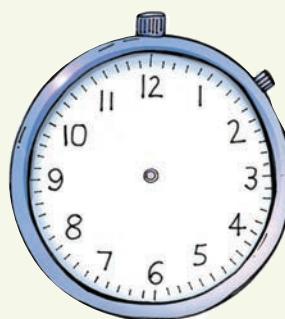
Gwala umkhono omude nomfitjhani wewatjhi.

Yikotara ngemva kwe-iri lesibili.

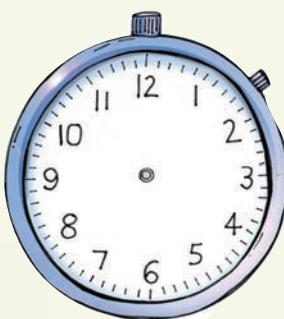


Li-iri letjhumi poro ehloko.

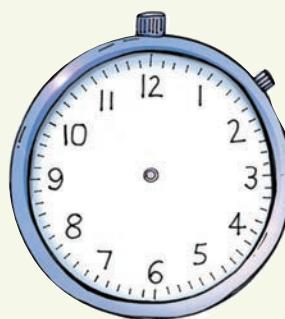
Mizuzu ematjhumi amathathu ngemva kwe-iri lethoba.



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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Khulumani ngewatjhi.

Ithemu 3



## Imizuzu nama-iri



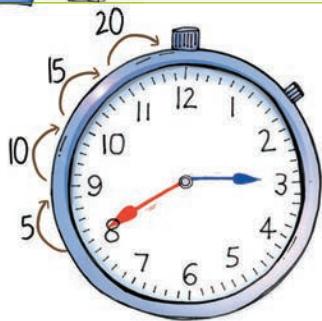
Umkhono omfitjhani useduze ne-iri le-3.

Umkhono omude ujame phezulu emizuzwini ama-35.

Imizuzu ema-25 ngaphambili kokuthi omude ufile e-I2. Sithi mizuzu ama-25 ngaphambili kwe-iri le-3.



Sikhathi bani?

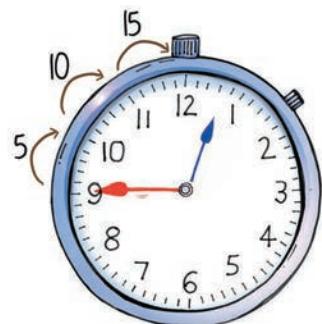


Umkhono omfitjhani \_\_\_\_\_.

Umkhono omude ujame phezu \_\_\_\_\_.

Mizuzu ema- \_\_\_\_\_ ngaphambili kokuthi umkhono omude ufile e-I2.

Sithi mizuzu ema-ngaphambili kwe-iri le- \_\_\_\_\_.

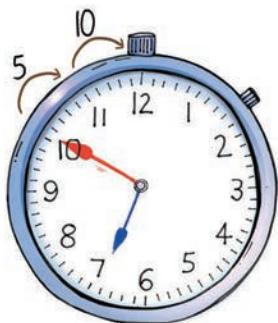


Umkhono omfitjhani \_\_\_\_\_.

Umkhono omude ujame phezu \_\_\_\_\_.

Maminidi ama \_\_\_\_\_ ngaphambili kokuthi umkhono omude ufile e-I2.

Sithi maminidi a \_\_\_\_\_ ngaphambili kwe-iri le- \_\_\_\_\_.



Umkhono omfitjhani \_\_\_\_\_.

Umkhono omude ujame phezu \_\_\_\_\_.

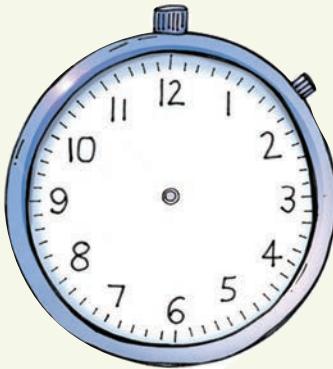
Mizuzu ema- \_\_\_\_\_ ngaphambili kokuthi umkhono omude ufile e-I2.

Sithi mizuzu \_\_\_\_\_ ngaphambili kwe-iri le- \_\_\_\_\_.

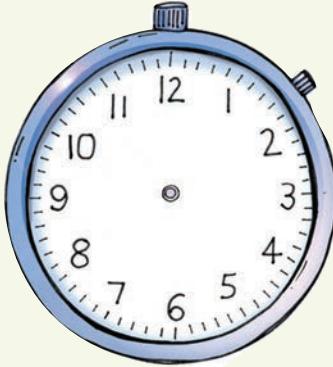


Gwala umkhono omude kanye nomkhono omfitjhani ukutjengisa:

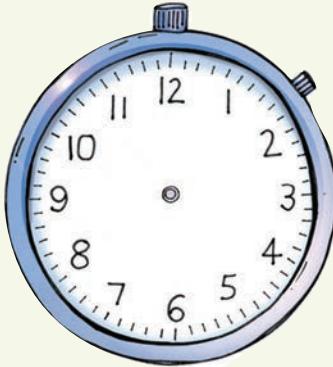
Mizuzu emihlanu ngaphimbili  
kwe-iri le-8.



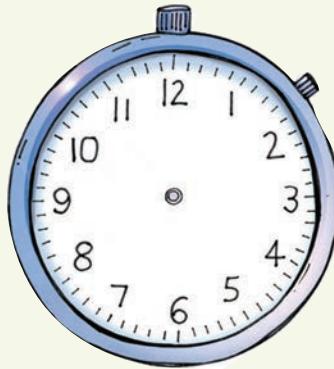
Mizuzu emihlanu ngaphambili  
kwe-iri lokuthoma.



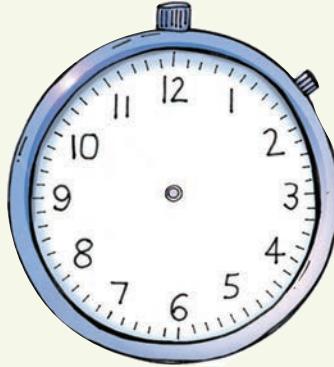
Imizuzu ilitjhumi namithathu ngaphambili  
kwe-iri lekhomba.



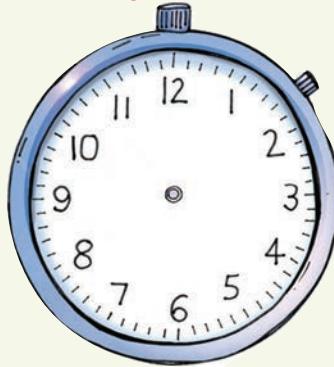
Mizuzu ematjhumi amabili ngaphambili  
kwe-iri lesithathu.



Imizuzu elitjhumi  
ngaphambili kwe-iri lesithandathu.



Imizuzu elitjhumi namibili ngaphambili  
kwe-iri letjhumi nambili.



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## Ukuhlanganisa okubuyeletweko

**Ngineenkhwama ezi-3, isikhwama ngasinye sinamaswidi ama-2.**

**Ngingasitlola njengokuthi**  
 $2 + 2 + 2 = 6$  nanyana  
 $3 \times 2 = 6$

**Ngineenkhwama ezi-3, isikhwama ngasinye sinamaswidi ama-5.**

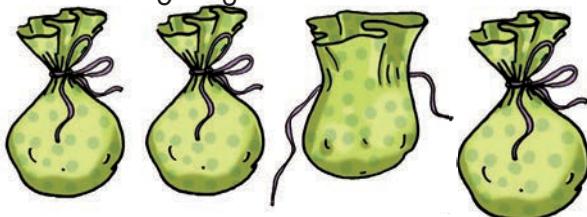
**Ngingasitlola njengokuthi**  
 $5 + 5 + 5 = 15$   
nanyana  $3 \times 5 = 15$



Qala iinkhwama ezinamaswidi:

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

Isikhwama ngasinye sinamaswidi ama-2.

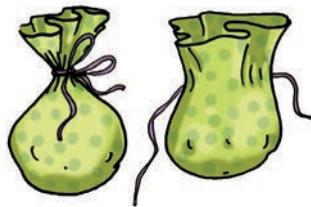


Umutjho: Amabuthelelo wanga-4 ama-2

Isibalo sokuhlanganisa:  $2 + 2 + 2 + 2 =$  \_\_\_\_\_

Isibalo sokubuyabuyeleta:  $4 \times 2 =$  \_\_\_\_\_

Esinye nesinye isikhwama esivalweko sinamaswidi ama-2.

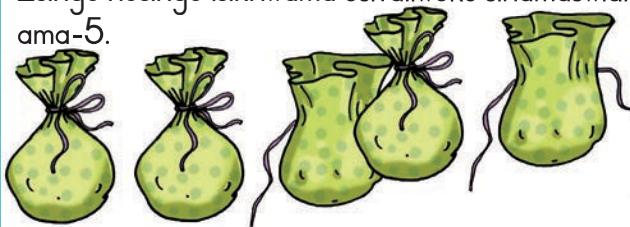


Umutjho: \_\_\_\_\_

Isibalo sokuhlanganisa: \_\_\_\_\_

Isibalo sokubuyabuyeleta: \_\_\_\_\_

Esinye nesinye isikhwama esivaliweko sinamaswidi ama-5.



Umutjho: \_\_\_\_\_

Isibalo sokuhlanganisa: \_\_\_\_\_

Isibalo sokubuyabuyeleta: \_\_\_\_\_

Esinye nesinye isikhwama esivaliweko sinamaswidi ama-2.



Umutjho: \_\_\_\_\_

Isibalo sokuhlanganisa: \_\_\_\_\_

Isibalo sokubuyabuyeleta: \_\_\_\_\_



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



Umutjho: Amabuthelelo ali-7 wangaku-4

Isibalo sokuhlanganisa:

$$4 + 4 + 4 + 4 + 4 + 4 + 4 = 28$$

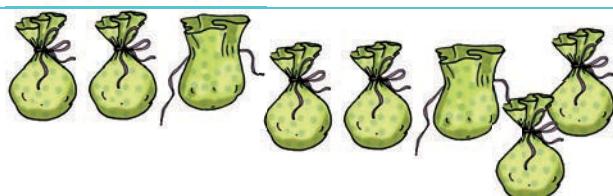
$$\text{Isibalo sokubuyabuyeleta: } 7 \times 4 = 28$$



Umutjho: \_\_\_\_\_

Isibalo sokuhlanganisa: \_\_\_\_\_

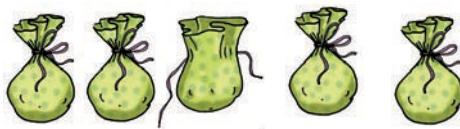
Isibalo sokubuyabuyeleta: \_\_\_\_\_



Umutjho: \_\_\_\_\_

Isibalo sokuhlanganisa: \_\_\_\_\_

Isibalo sokubuyabuyeleta: \_\_\_\_\_



Umutjho: \_\_\_\_\_

Isibalo sokuhlanganisa: \_\_\_\_\_

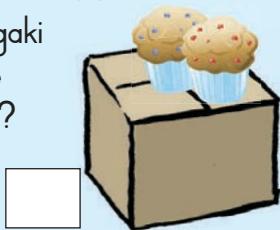
Isibalo sokubuyabuyeleta: \_\_\_\_\_



Qedeleta itheyibula yokubuyeleta.

$\times$	1	2	3	4	5	6	7	8	9	10
2			<b>6</b>							
4					<b>20</b>					
5										<b>50</b>

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



Nginamabhoksi amane, ibhoksi  
ngalinye linamakhekhan  
angemakomitjini amahlanu.  
Kunamakhekhan  
angemakomitjini  
amangaki  
nasele  
awoke?



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



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Date:



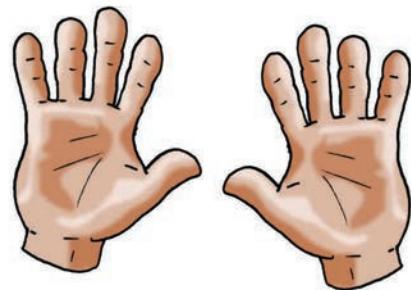
## Buyabuyeleta ngaku-5

Inyawo elilodwa linamazwani ama-5.



Mangaki amazwani nasele awoke?

Isandla esisodwa sinemino emi-5.



Mingaki imino nasele iyoke?



Qedeleta okulandelako:



Amazwani  
enyaweni  
elilodwa

×  =  Inyawo



Imino  
esandleni  
esisodwa

×  =  Isandla



Amazwani  
enyaweni  
elilodwa

×  =  Inyawo



Imino  
esandleni  
esisodwa

×  =  Isandla



Amazwani  
enyaweni  
elilodwa

×  =  Inyawo



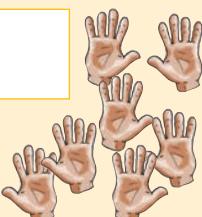
Imino  
esandleni  
esisodwa

×  =  Isandla



Amazwani  
enyaweni  
elilodwa

×  =  Inyawo



Imino  
esandleni  
esisodwa

×  =  Isandla



Qedelele okulandelako:

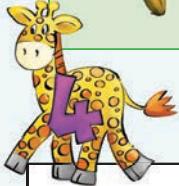
5	10	15						
---	----	----	--	--	--	--	--	--

50	45	40						
----	----	----	--	--	--	--	--	--



Qedelela okulandelako:

$5 \times$ = <input type="text"/> ama-apula	$4 \times$ = <input type="text"/> amabhanana
$6 \times$ = <input type="text"/> amabhanana	$7 \times$ = <input type="text"/> ama-apula



Qedelela okulandelako:

$15 \times 5 =$ <input type="text"/>
$1 \quad 0 \quad 5 \times 5$
$= 1 \quad 0 + 5 \times 5$
$= 1 \quad 0 \times 5 + 5 \times 5$
$= 50 + 25$
$= 75$

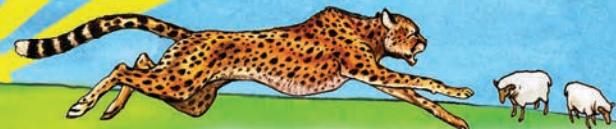
$14 \times 5 =$ <input type="text"/>
$1 \quad 0 \quad 4 \times 5$
$= 1 \quad 0 + 4 \times 5$
$= 1 \quad 0 \times 5 + 4 \times 5$
$= 50 + 20$
$= 70$

$12 \times 5 =$ <input type="text"/>
$1 \quad 0 \quad 2 \times 5$
$= 1 \quad 0 + 2 \times 5$
$= 1 \quad 0 \times 5 + 2 \times 5$
$= 50 + 10$
$= 60$

$13 \times 5 =$ <input type="text"/>
$1 \quad 0 \quad 3 \times 5$
$= 1 \quad 0 + 3 \times 5$
$= 1 \quad 0 \times 5 + 3 \times 5$
$= 50 + 15$
$= 65$

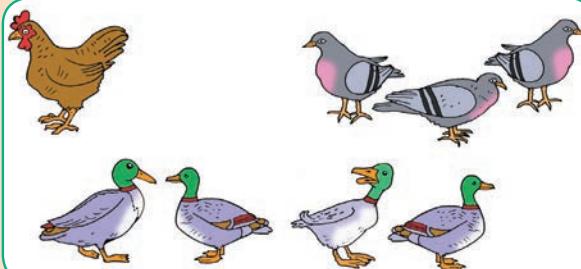


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Date:



## Buyabuyeleta ngaku-2

Zoke iinyoni  
zineenyawo  
ezimbili.



Zoke iinyoni  
zineempiko ezimbili.

Esithombeni lesi iinyoni zoke  
zineenyawo ezingaki?

Seziske, zingaki iimpiko  
esithombeni lesi?



Qala isithombe bese uqedeleta okulandelako.

amazuba

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Inani lamazuba      Inani leenyawo inyoni ngayinye

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Inani lamazuba      Iimpiko inyoni ngayinye

amadada

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Inani lamadada      Inani leenyawo inyoni ngayinye

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Inani lamadada      Iimpiko inyoni ngayinye



Qedeleta lokhu:

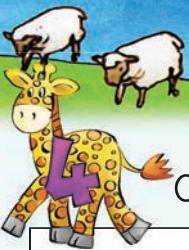
2	4	6							
---	---	---	--	--	--	--	--	--	--

20	18	16							
----	----	----	--	--	--	--	--	--	--



Qedeleta lokhu:

$5 \times$ = <input type="text"/> ama-apula	$4 \times$ = <input type="text"/> amabhanana
$6 \times$ = <input type="text"/> amabhanana	$7 \times$ = <input type="text"/> ama-apula



Qedelela okulandelako:

$$12 \times 2 = \boxed{\quad}$$

$$\begin{array}{r} 1 \ 0 \\ \ 2 \\ \hline \end{array} \times 2$$

$$= \begin{array}{r} 1 \ 0 \\ \ 2 \\ \hline \end{array} + \begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$$

$$= \begin{array}{r} 1 \ 0 \\ \times 2 \\ \hline \end{array} + \begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$$

$$= 20 + 4$$

$$= 24$$



$$15 \times 2 = \boxed{\quad}$$

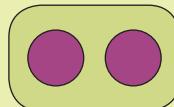
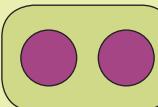
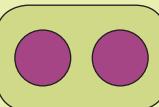
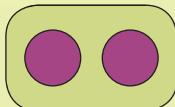
$$\begin{array}{r} 1 \ 0 \\ \ 5 \\ \hline \end{array} \times 2$$

$$= \boxed{\quad} + \boxed{\quad} \times \boxed{\quad}$$

$$= \boxed{\quad} \times \boxed{\quad} + \boxed{\quad} \times \boxed{\quad}$$

$$= \boxed{\quad} + \boxed{\quad}$$

$$= \boxed{\quad}$$



$$2 + 2 + 2 + 2 = 8$$

nanyana

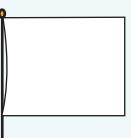
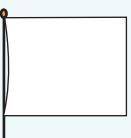
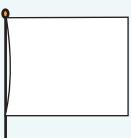
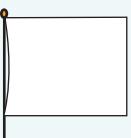
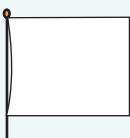
$$4 \times 2 = 8$$

nanyana

$$8 \div 2 = 4$$

Leli litshwayo  
lokuhlukanisa.

Gwala iinkwekwezi ezi-2 phezu kweflarha.



$$2 + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



Kunamabhlogo amangaki wetjhokoledi  
phezu kwesitina lesi setjhokoleydi?

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



85a

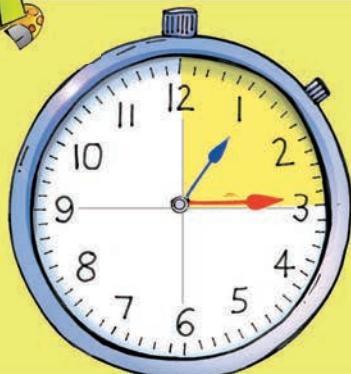


Ithemu 3

## Ikotara ngemva



Khulumani ngewatjhi.



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

Ilanga:



Sikhathi bani?

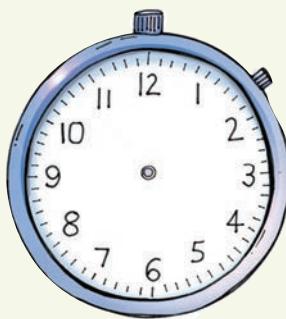


Umkhono omfitjhani udlule \_\_\_\_\_.  
Umkhono omude ujame phezu \_\_\_\_\_ kwemizuzu.  
Sithi \_\_\_\_\_ ngemva \_\_\_\_\_.

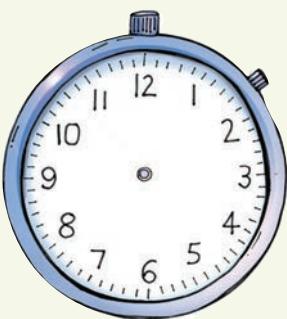


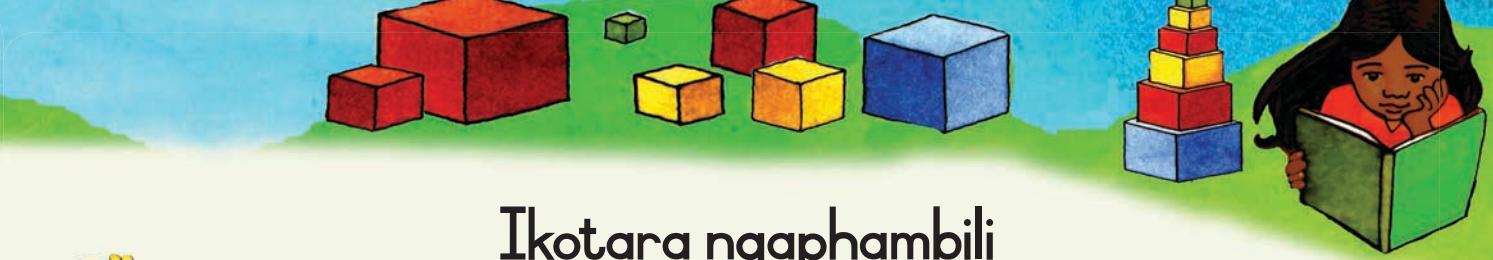
Gwala umkhono omude kanye nomkhono omfitjhani.

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



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





## 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 \_\_\_\_\_.

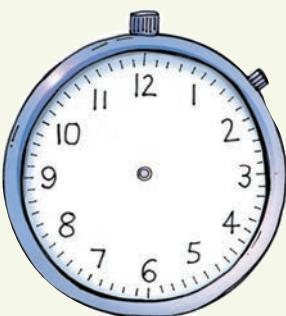
Umkhono omude ujame emizuzwini \_\_\_\_\_.

Sithi \_\_\_\_\_ **ngaphambili kwe-iri.**

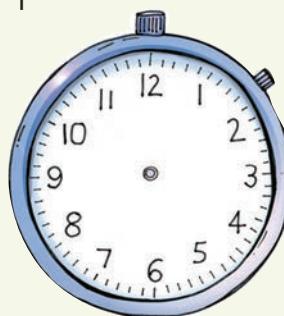


Gwala umkhono omude kanye nomkhono omfitjhani.

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



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



Teacher:
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Date:

85b

Ithemu 3

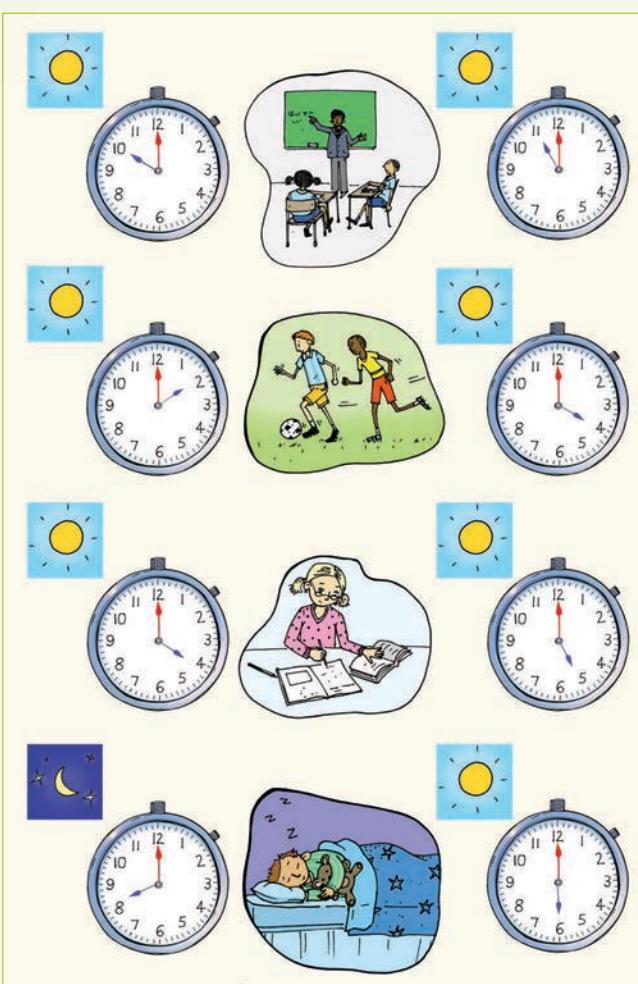


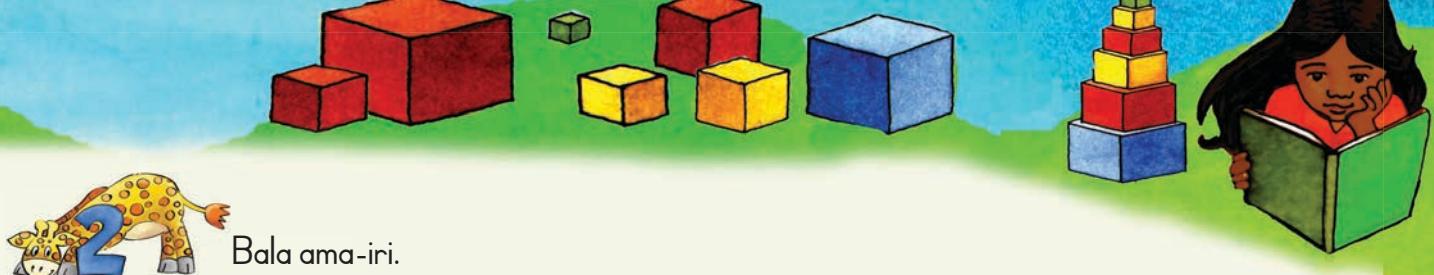
## Isikhathi siyakhamba

ama-iri ama-2	ama-iri ama-2	i-iri eli-l



Kuthethe isikhathi esingangani kobana uqede umsebenzi?





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 iinhambi noyise. Basuke ekhaya nge-iri le-4 poro ehloko ekuseni.  
Babuye ekhaya nge-iri le-10. Ingabe bakhambé ama-iri amangaki?



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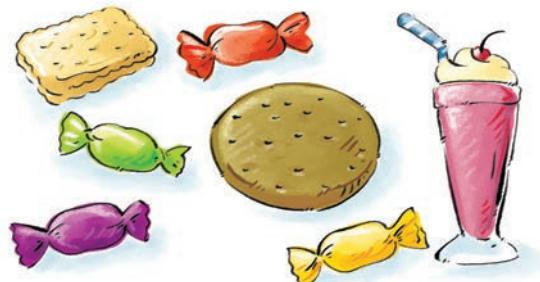


Ilanga:

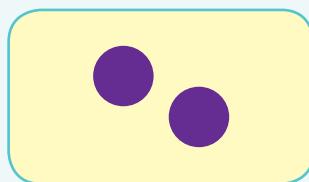
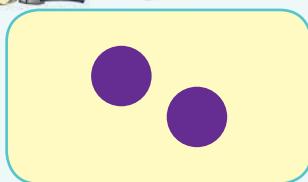
## Buyelela kibili



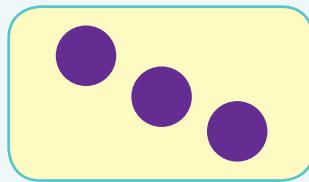
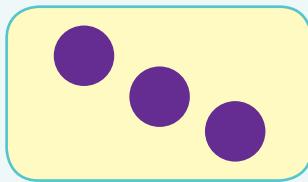
Qalisa isithombe sokuthoma nesesibili. Kwenzeka ini?



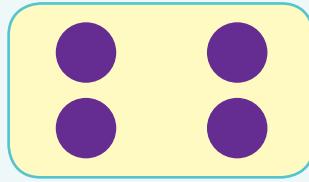
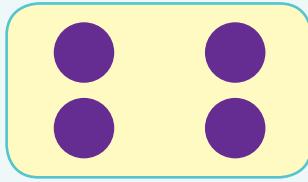
Hlanganisa amacaphazi begodu tlola isibalo sawo.



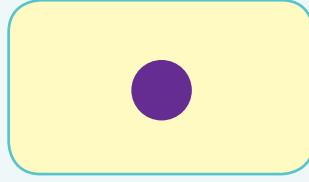
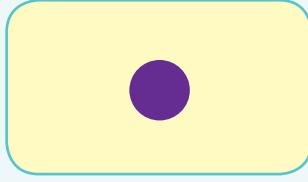
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



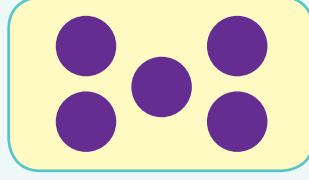
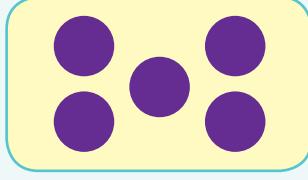
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



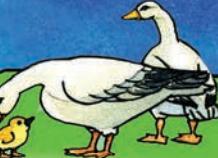
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



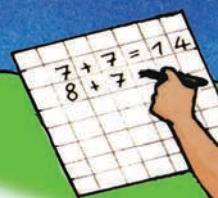
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



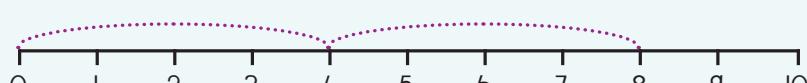
Sebenzisa inambalayini ukutlola isibalo.



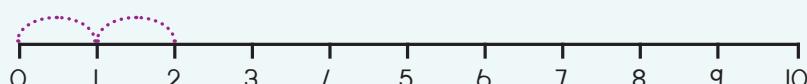
$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



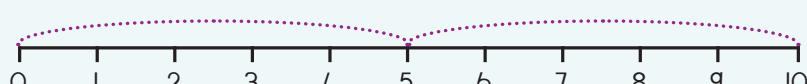
$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



Buyelela kibili okulandelako.

Buyelela kibili ngabo-1

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$2 \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Buyelela kibili ngabo-2

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$2 \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Buyelela kibili ngabo-3

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$2 \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Buyelela kibili ngabo-4

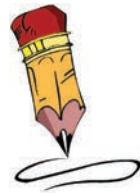
$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$2 \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Buyelela kibili ngabo-5

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$2 \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



2 4 6 8 10 12 14



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Ilanga:

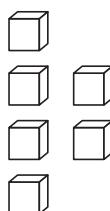


## Ukubuyeleta kibili nokuhafula

Qala iinthombe ezimbili. Yakha yakho indatjana.



Bala izinto bese ukhalara ihafu yazo.

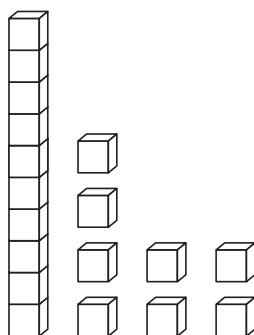


Bala

Ihafu yi-

Bala

Ihafu yi-



Qedeleta okulandelako bese uyagwala:

U-12 nakabuyelwe  
kibili ipendulo ngu-

<input type="text"/>	<input type="text"/>
----------------------	----------------------



Qedeleta:

14	
<input type="text"/>	<input type="text"/>

8	
<input type="text"/>	<input type="text"/>

<input type="text"/>	<input type="text"/>

16	
<input type="text"/>	<input type="text"/>

<input type="text"/>	<input type="text"/>



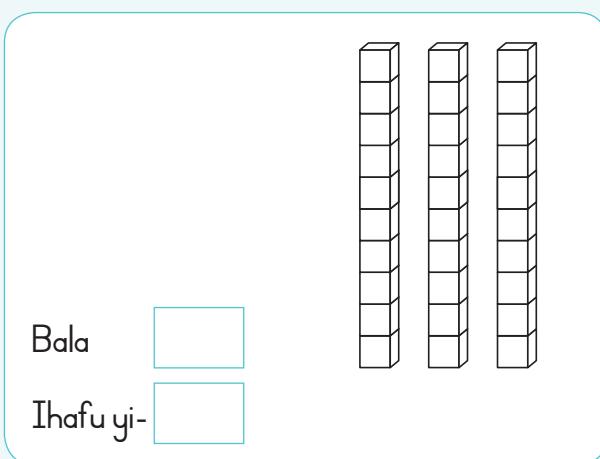
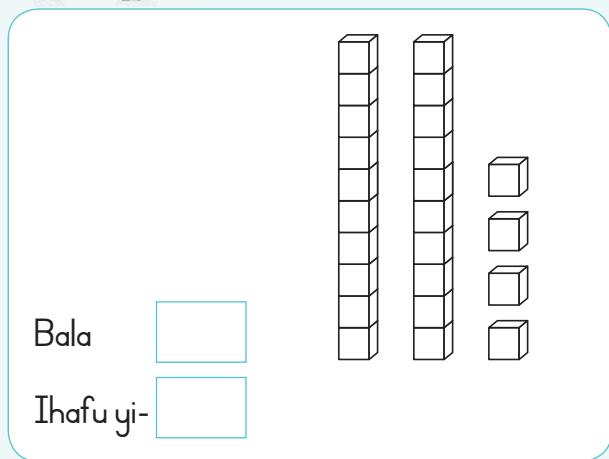
Qala iinthombe ezimbili. Yakha yakho indatjana.



Kunamaswidi ali-10  
ngesikhwanyaneni.



Bala izinto bese ukhalara ihafu yazo.



Qedelela okulandelako bese uyagwala:

U-16 nakabuyeelwe  
kabili ipendulo ngu-

+



Qedelela:

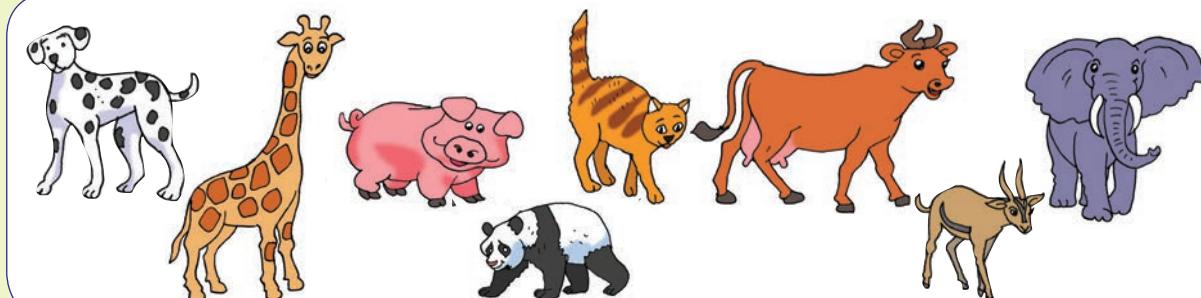




## Okhunye ukubuyabuyelela

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

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Inani leeninja      Iinyawo isilwana ngasinye

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Inani leeninja      Amehlo isilwana ngasinye

Iinyamazana  
zemmangweni

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Inani leenlwana      Iinyawo zesilwana ngasinye

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Inani leenlwana      Lindlebe isilwana ngasinye



Qedelela okulandelako:

4	8	12							
---	---	----	--	--	--	--	--	--	--

40	36	32							
----	----	----	--	--	--	--	--	--	--



Qedelela okulandelako:

$$5 \times \begin{array}{c} \text{apple} \\ \text{apple} \\ \text{apple} \end{array} = \boxed{\phantom{0}} \text{ ama-apula}$$

$$4 \times \begin{array}{c} \text{banana} \\ \text{banana} \\ \text{banana} \\ \text{banana} \end{array} = \boxed{\phantom{0}} \text{ amabhanana}$$

$$6 \times \begin{array}{c} \text{banana} \\ \text{banana} \\ \text{banana} \\ \text{banana} \end{array} = \boxed{\phantom{0}} \text{ amabhanana}$$

$$7 \times \begin{array}{c} \text{apple} \\ \text{apple} \\ \text{apple} \end{array} = \boxed{\phantom{0}} \text{ ama-apula}$$



Qedeleta okulandelako:

$$14 \times 4 = \boxed{\phantom{00}}$$

$$\begin{array}{r} 1 \quad 0 \\ \times 4 \\ \hline \end{array}$$

$$= \boxed{1 \quad 0} + \boxed{4} \times 4$$

$$= \boxed{1 \quad 0} \times 4 + \boxed{4} \times 4$$

$$= 40 + 16$$

$$= 56$$



$$15 \times 4 = \boxed{\phantom{00}}$$

$$\begin{array}{r} 1 \quad 0 \\ \times 4 \\ \hline \end{array}$$

$$= \boxed{\phantom{00}} + \boxed{\phantom{0}} \times \boxed{\phantom{0}}$$

$$= \boxed{\phantom{00}} \times \boxed{\phantom{0}} + \boxed{\phantom{00}} \times \boxed{\phantom{0}}$$

$$= \boxed{\phantom{00}} + \boxed{\phantom{0}}$$

$$= \boxed{\phantom{00}}$$



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



Qedeleta lokhu okulandelako.



Yabela abentwana aba-2 amamabula ali-19 ngokulingana.

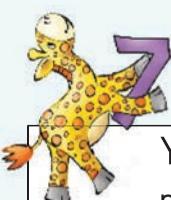
Yabela abentwana aba-2 ngokulingana amapensela ama-22.

Omunye nomunye ufunyana

Okuseleko

Omunye nomunye ufunyana

Okuseleko



Gwala iinthombe ukuze utjengise iimpendulo yakho.

Yabela abentwana aba-4 ngokulingana iincwadi ezi-23.

Yabela abentwana aba-4 ngokulingana iincwadi ezi-15.

Omunye nomunye ufunyana

Okuseleko

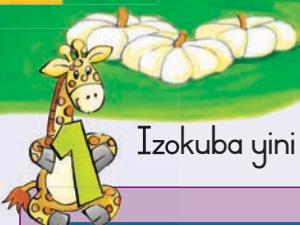
Omunye nomunye ufunyana

Okuseleko



# Amaphetheni neenomboro

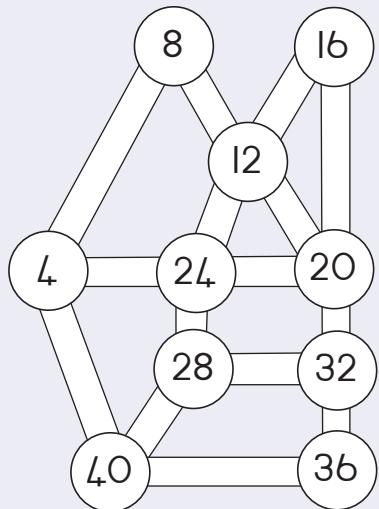
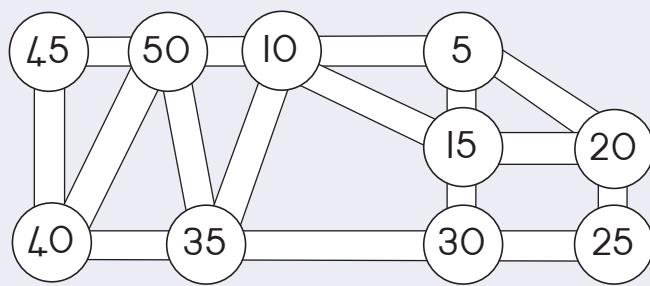
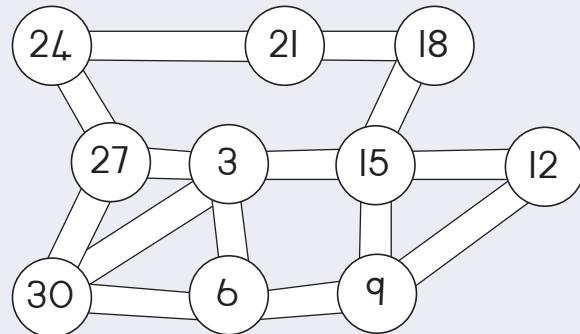
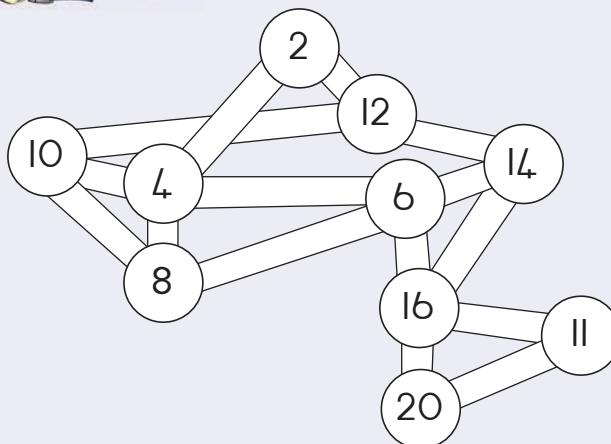
Ilanga:



Izokuba yini inomboro ekarini?



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





Gwala imikhono uujinamathisele ewatjhini bese uqedelela  
amaphetheni wesikhathi.



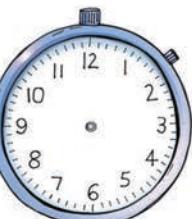
4:20



4:25



\_\_\_\_\_



\_\_\_\_\_



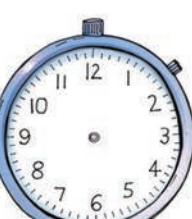
\_\_\_\_\_



11:10



11:20



11:30



\_\_\_\_\_



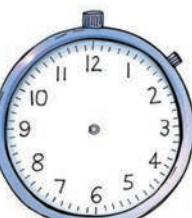
\_\_\_\_\_



9:25



9:40



9:55



\_\_\_\_\_



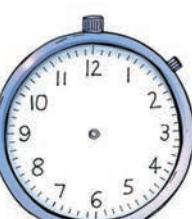
\_\_\_\_\_



10:30



10:35



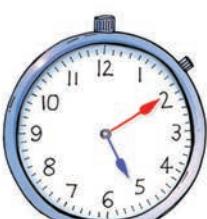
10:40



\_\_\_\_\_



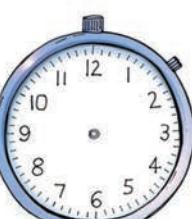
\_\_\_\_\_



5:10



5:20



5:30



\_\_\_\_\_



\_\_\_\_\_



Teacher:
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Date:

90



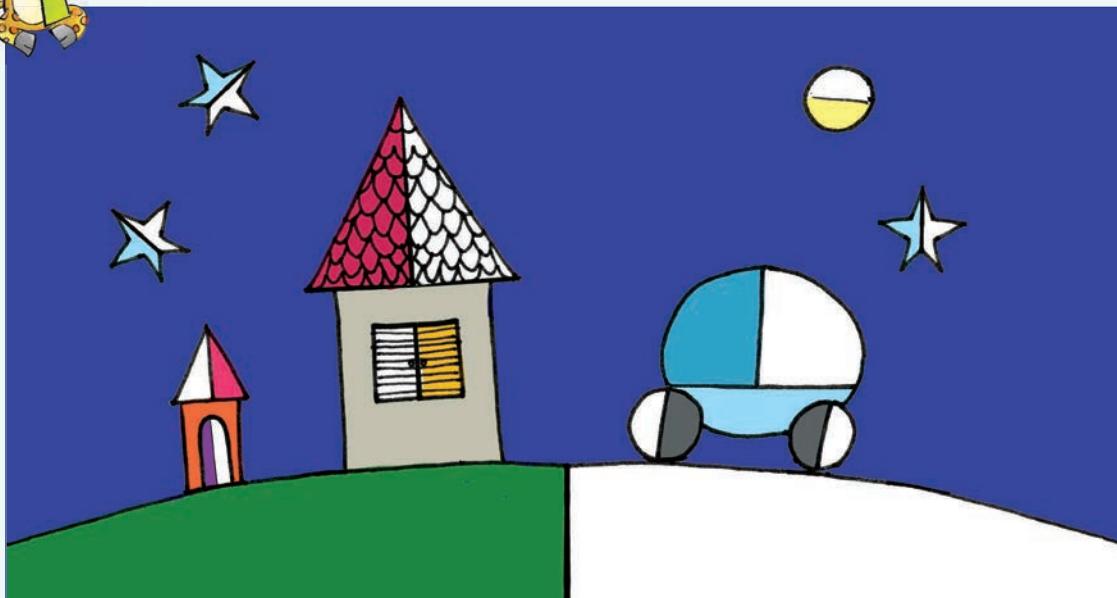
## Amacezu – abohafu

Ilanga:

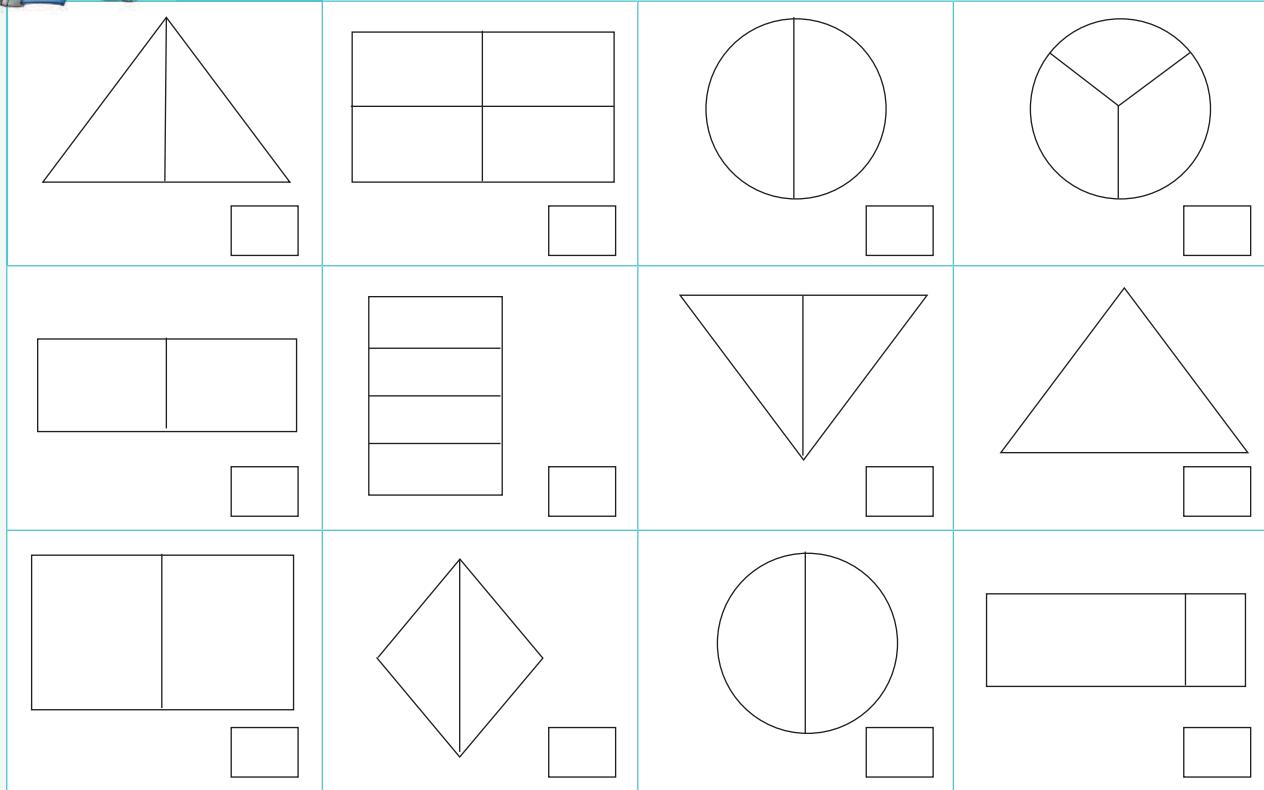
Ithemu 3

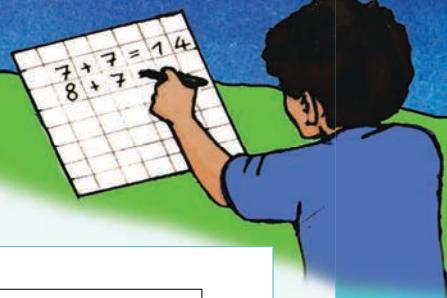


Qala isithombe. Khalara enye ihafu ngombala ofanako.

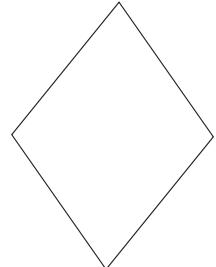
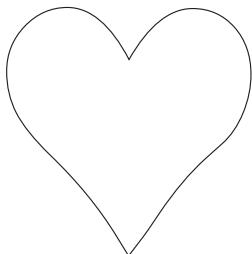
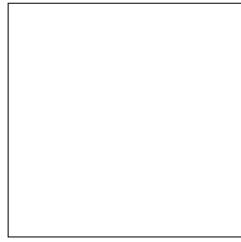
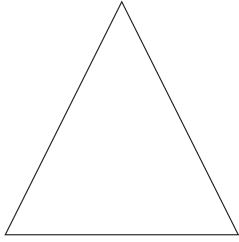
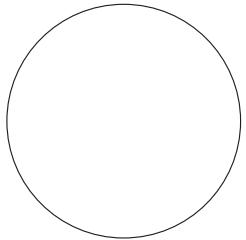


Qala iinthombe. Thika amajamo atjengisa abohafu. Khalara ihafu enye nenyе yejamo eyahlukaniswe ngabohafu.

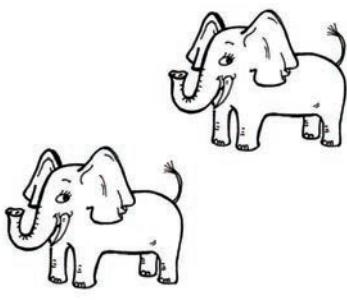
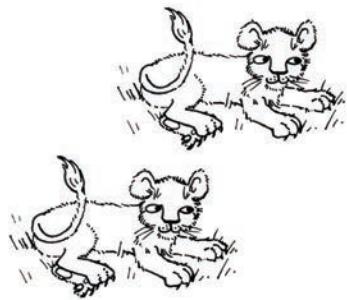
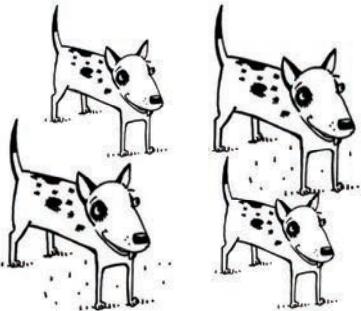
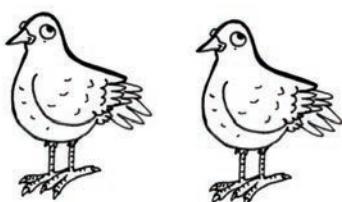
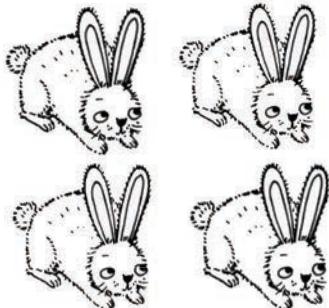
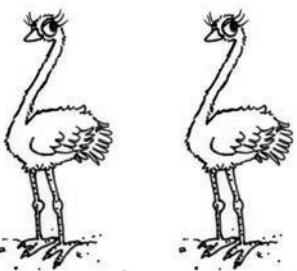




Khalara ihafu enye nenyenye yejamo.



Khalara ihafu yeenlwana ngebbhlogweni ngalinye.



ihafu ihafu ihafu



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q1



## Amacezu – amanye amahafu

Ithemu 3



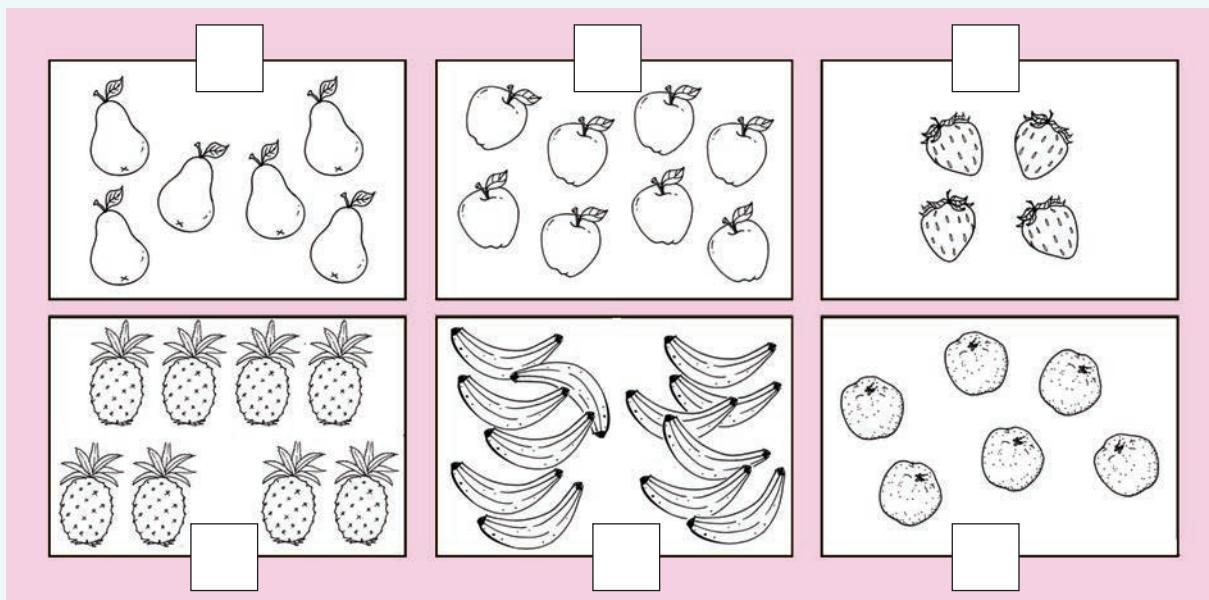
Qala isithombe. Ihafu yinye itjho ukuthini?

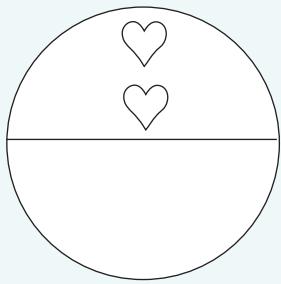
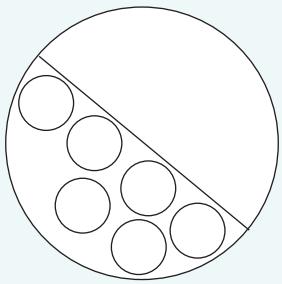
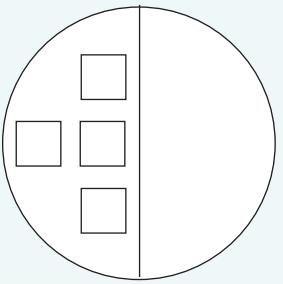
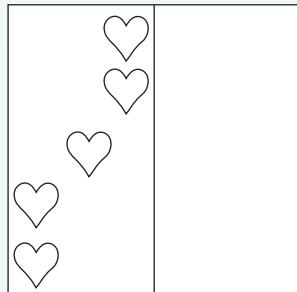
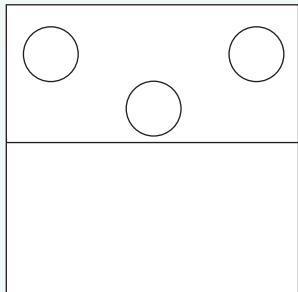
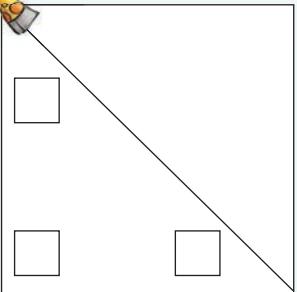
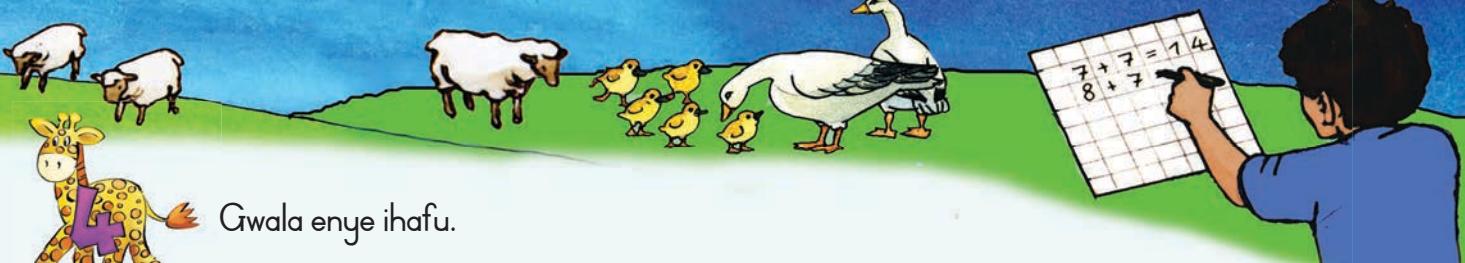


Ihafu eyodwa yomuthi wama-apula

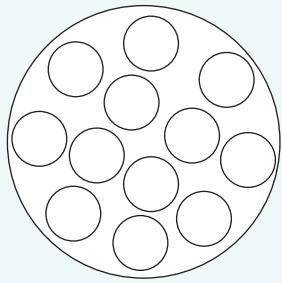
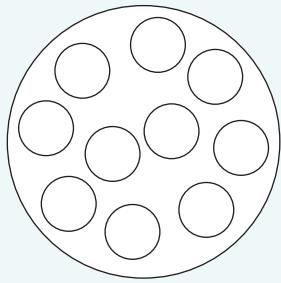
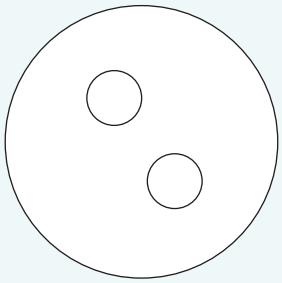
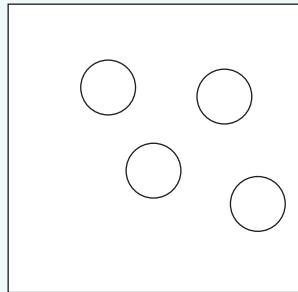
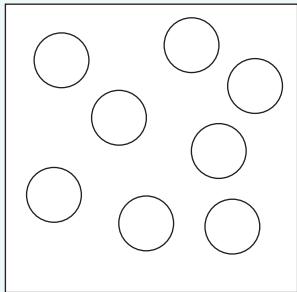
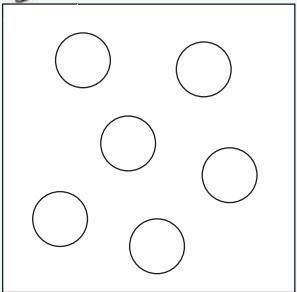


Khalara ihafu eyodwa kwelinye nelinye ibuthelelo leenthalo.  
Iyini ihafu yeenthalo ezisebuthelelweni ngalinye?





Khalara ihafu yamabumbeko.



ihafu ihafu ihafu

Teacher:  
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Date:



## Iindawo nokubonakala

Inyoni ijame kuphi? Amagama azokusiza.



Ukubonakala kwendlu ngaphambili.



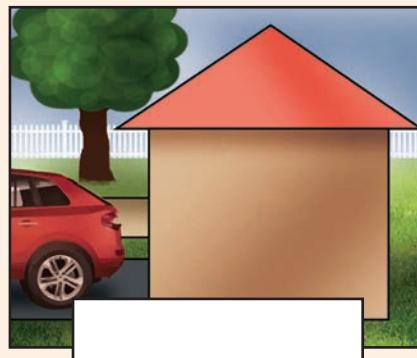
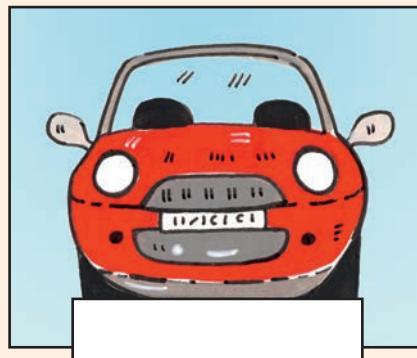
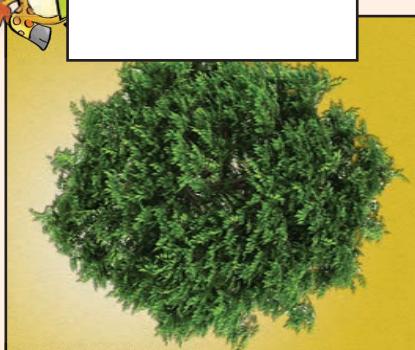
Ukubonakala kwendlu ngemahlangothini.



Ukubonakala komakhiwo ngaphezulu.



Umuntu lo bekajame kuphi nakabona lokhu?

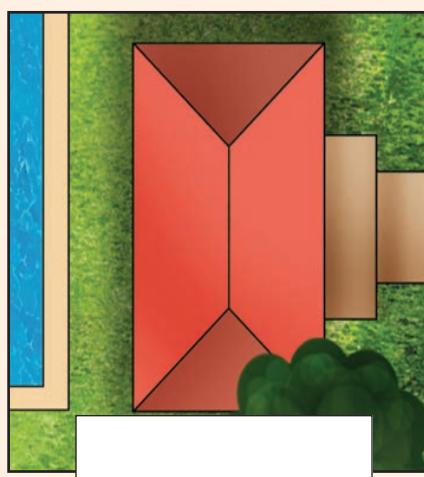
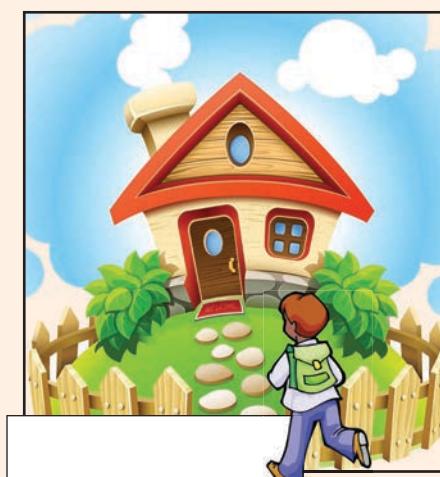
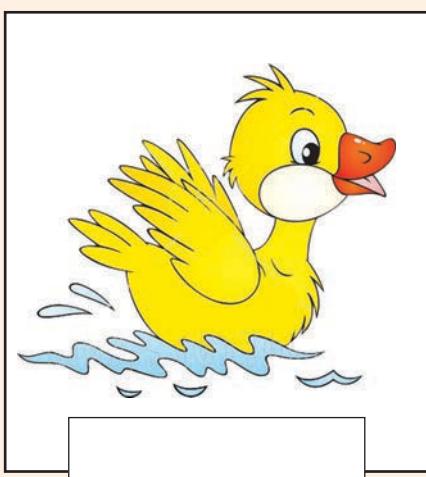


Tlola amagama la esithombeni. Ubona ini umuntu lo?

**ukubona into ngaphambili**

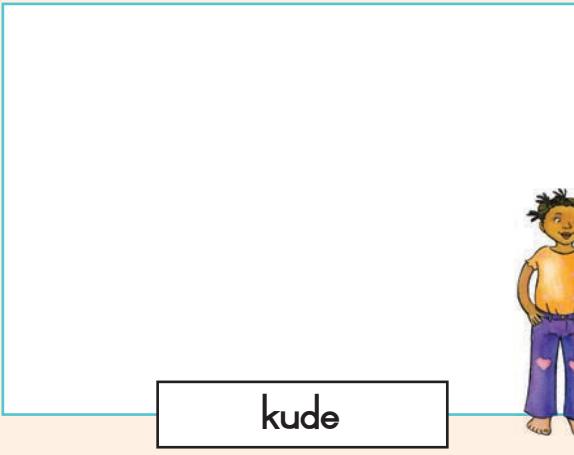
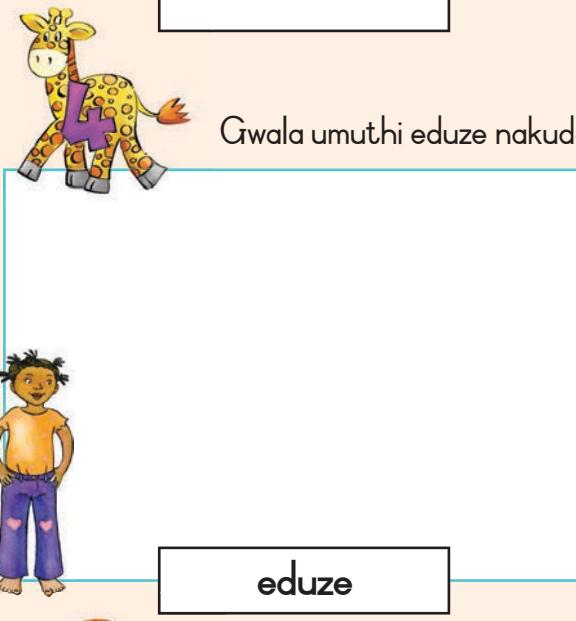
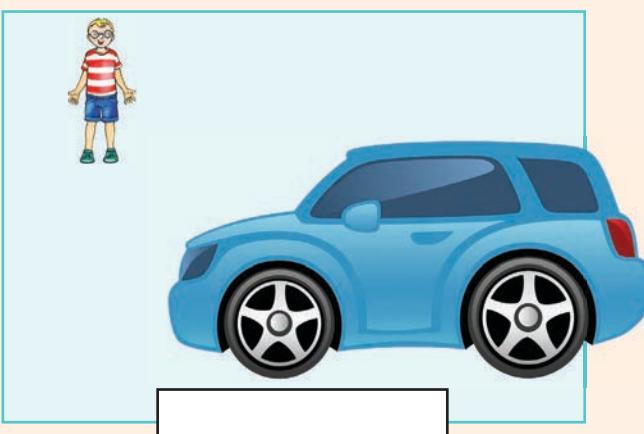
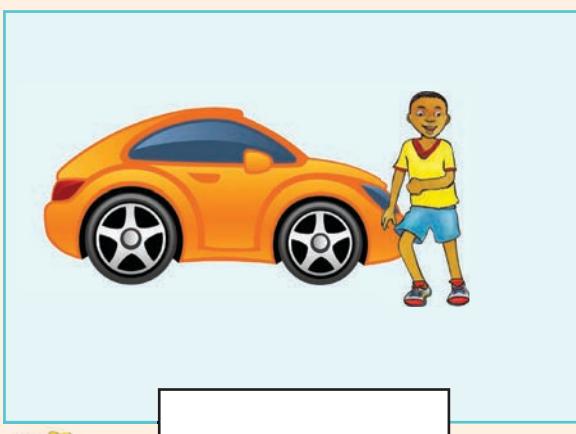
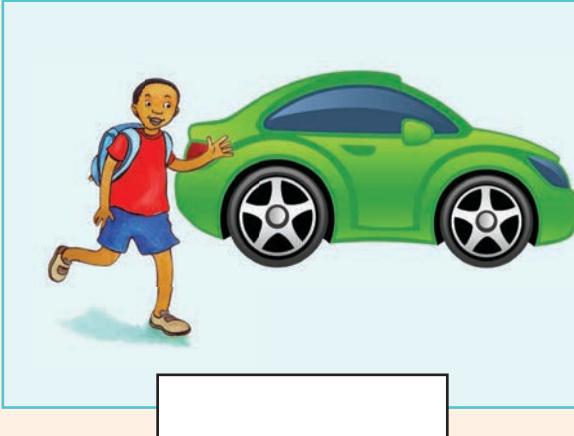
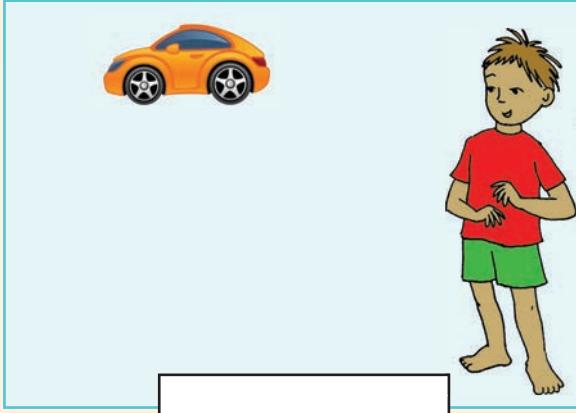
**ukubona into ngaphezulu**

**ukubona into ngemahlangothini**





Yitjho kobana ikoloyi ikuphi nomsana. Iseduze nanyana ikude?



Yenza umsebenzi lo:

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

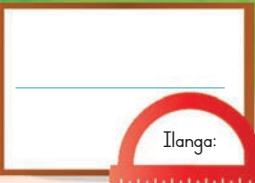
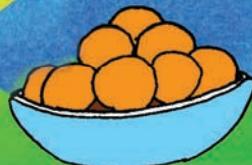


Teacher:

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Date:

93

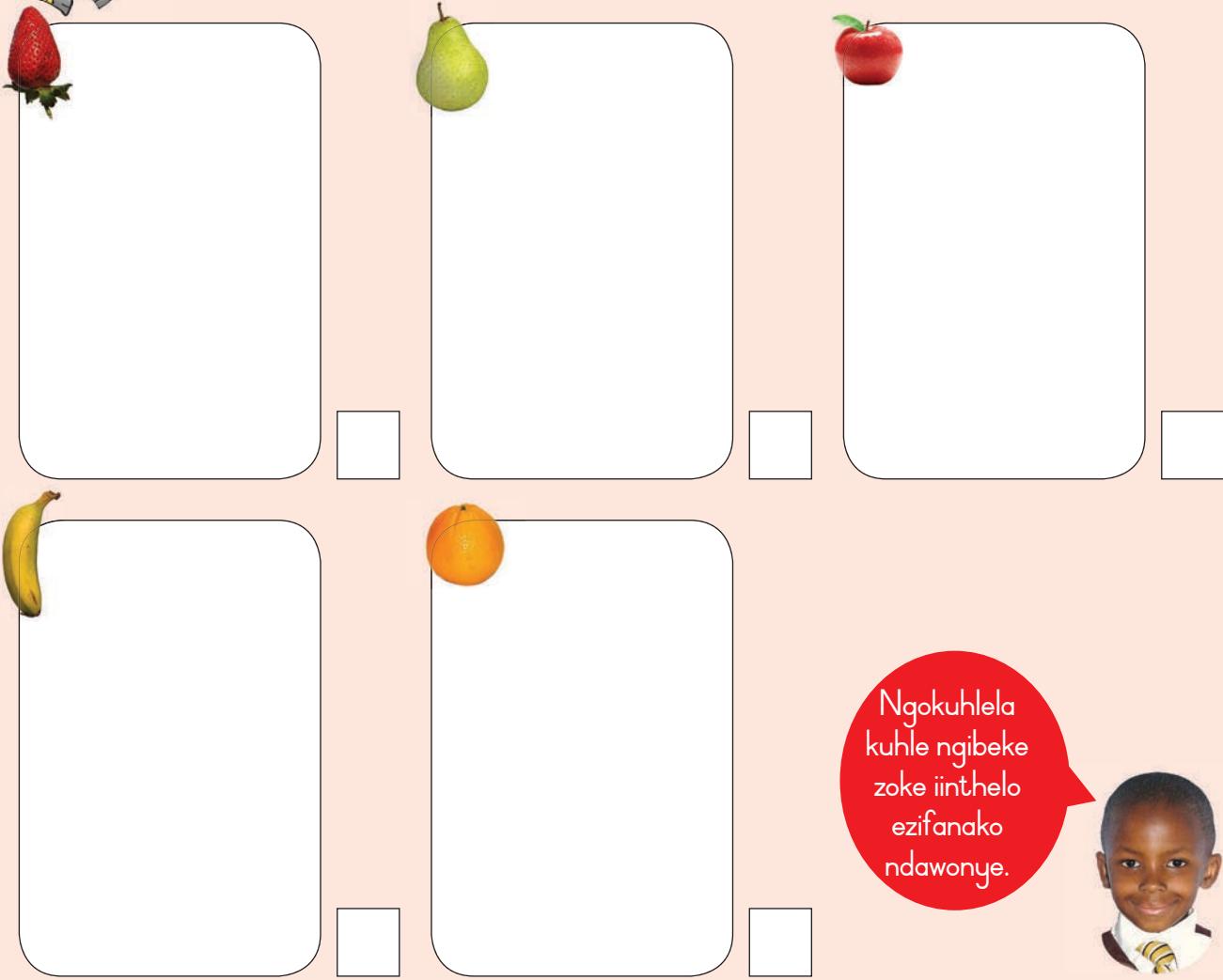


Ithemu 3

## Eminye godu imininingwana

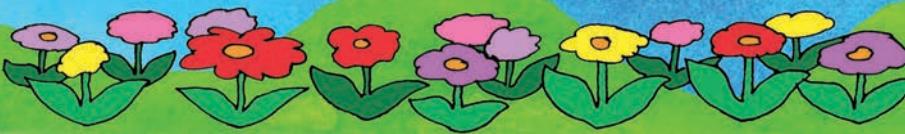


Hlela iinthelo. Yenza yakho imigwalo utjengise. Tlola inani ngaphakathi kwebhoksi.



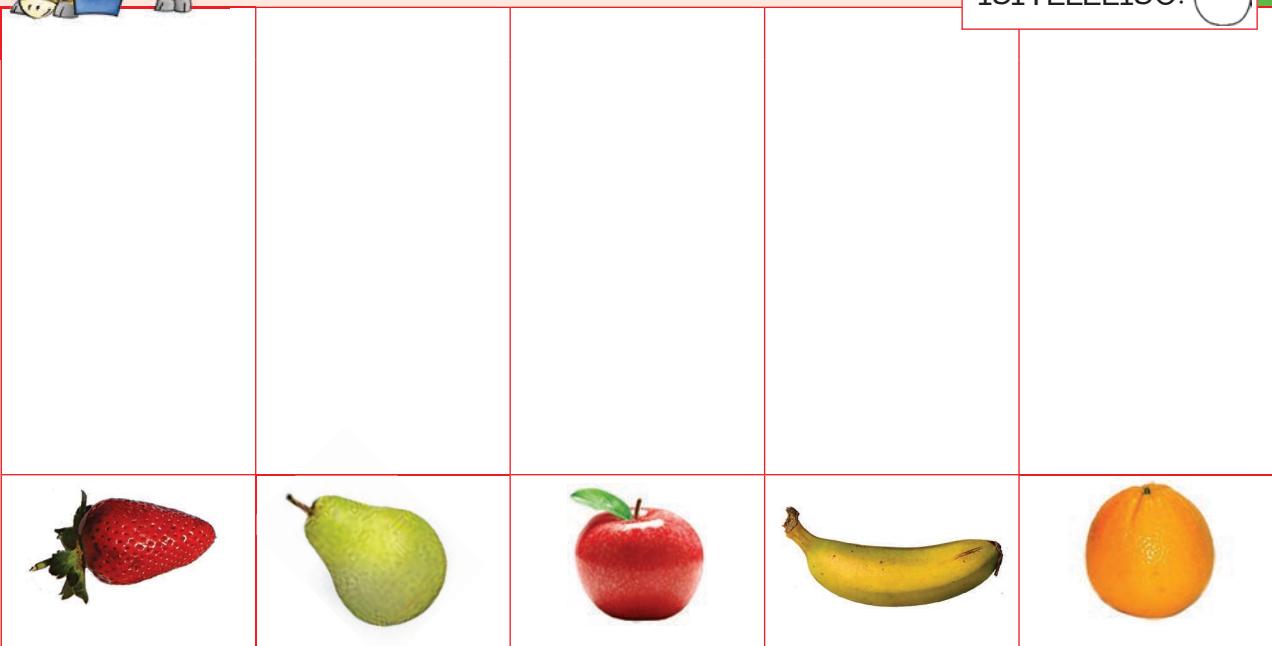
Ngokuhlela  
kuhle ngibekе  
zoke iinthelo  
ezifanako  
ndawonye.



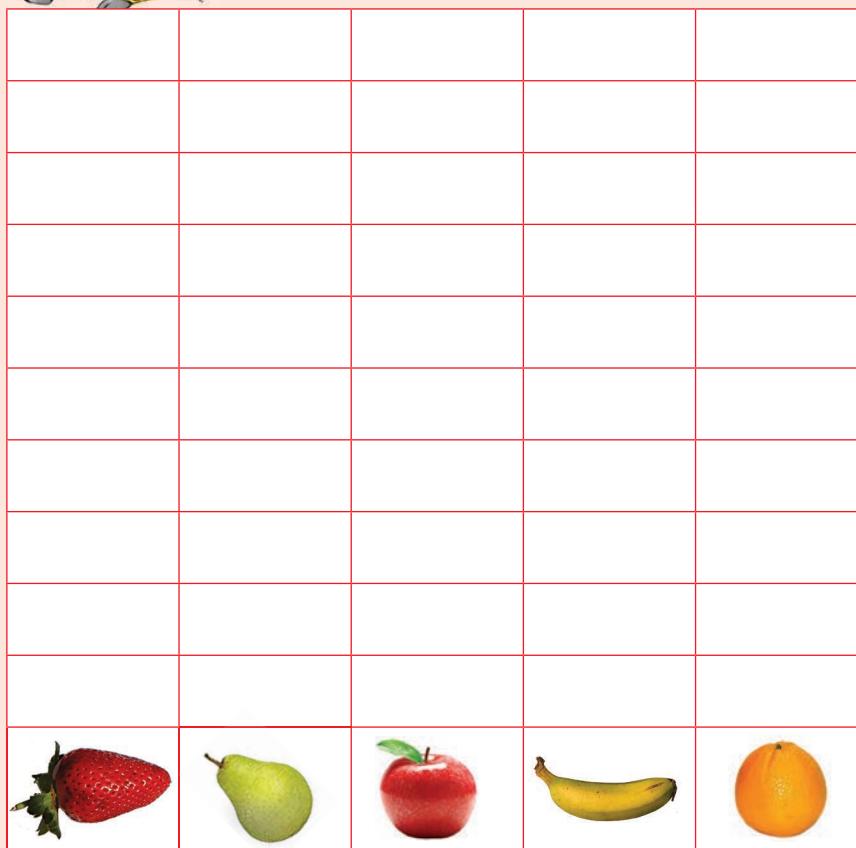


Gwala iphikthografu eneenthele ezhilelekileko.

ISIYELELISO:



Qala umncamo bese uphendula imibuzo.



Phendula umbuzo:

Ngisiphi isithelo esinaso  
ngobunengi?

Ngisiphi isithelo esinaso kancani?



Teacher:

Sign:

Date:

q4a



## Amacezu – amakota

Khalara ikota yokugcina ngombala ofanako.

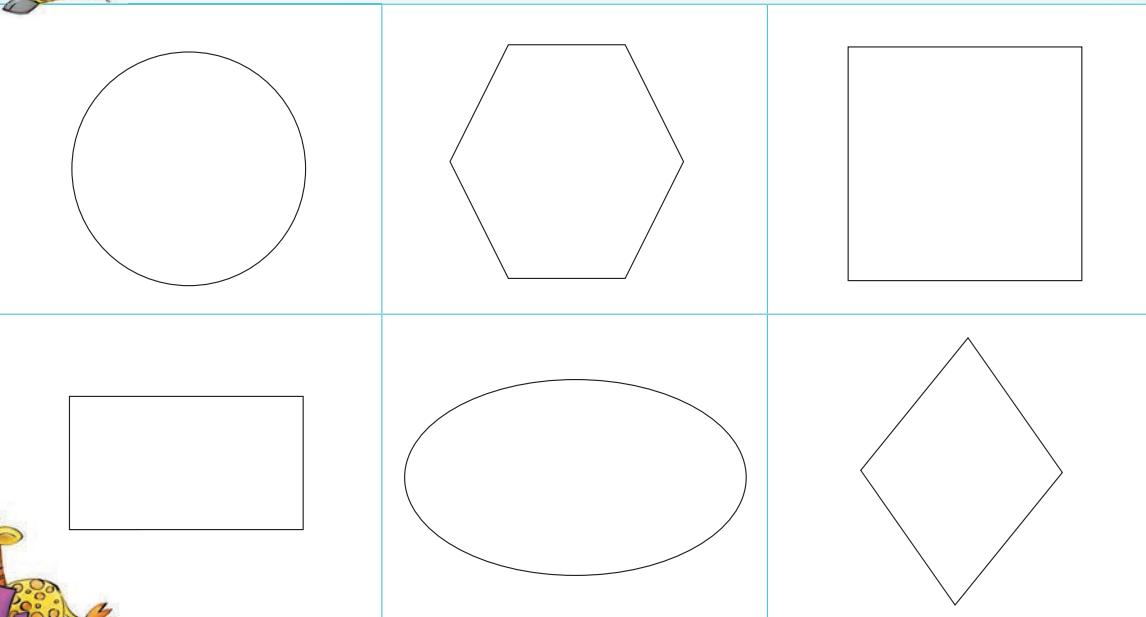


Thika amajamo atjengisa amakota.

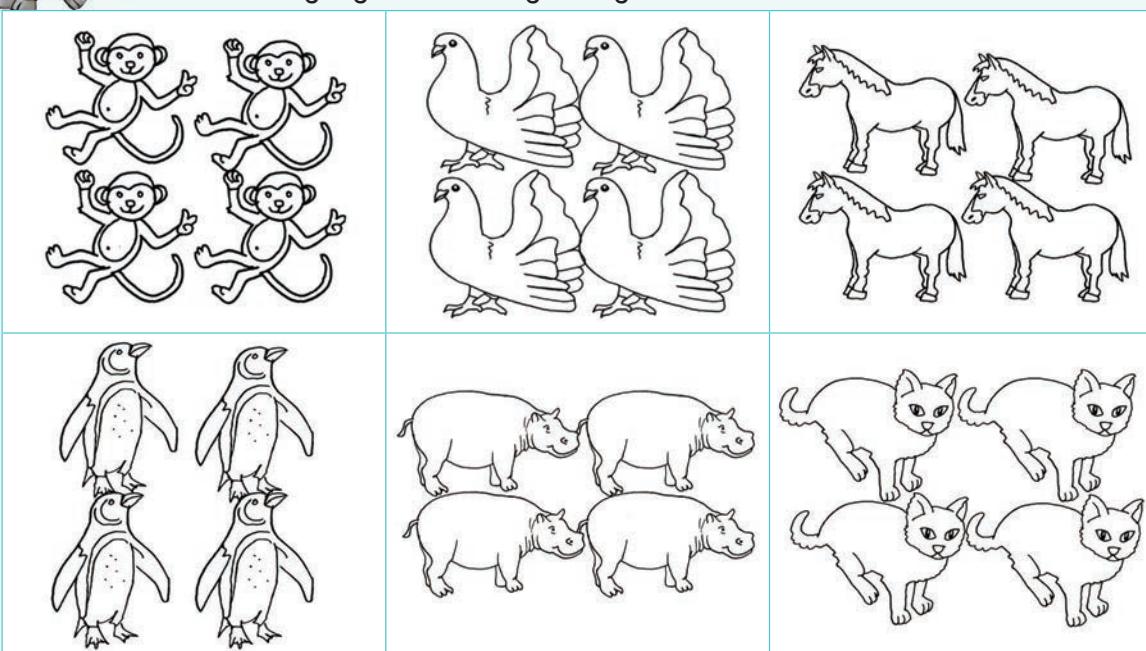
Khalara enye nenyé ikota yejamo eyahlukaniswe ngamakota.




Khalara ikotara yinye ebumbekweni leli.



Khalara ikota yenyamazana enye nenyé.



ikota ikota ikota



Teacher:

Sign:

Date:

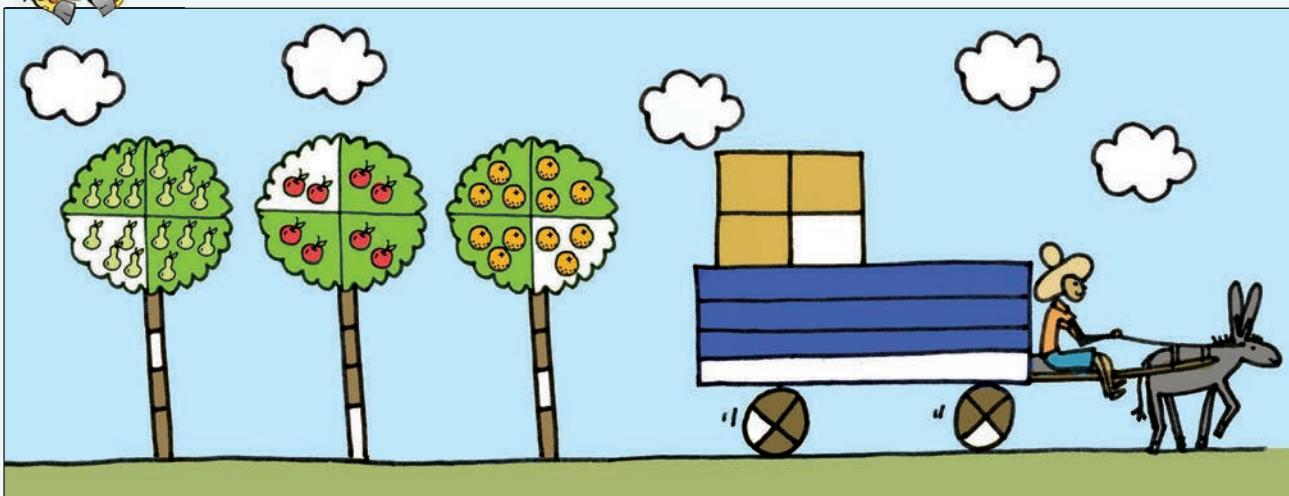
q4b



## Amacezu – amanye amakota

Ilanga:

Khalara ikota yokugcina ngombala ofanako.



Phendula okulandelako:

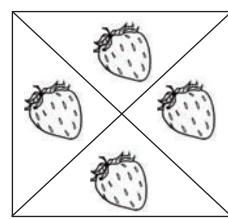
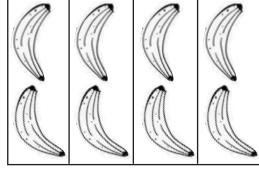
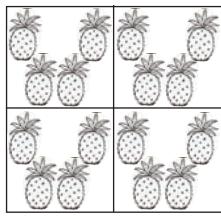
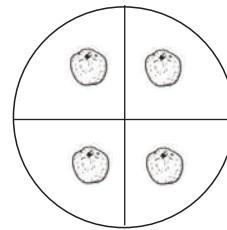
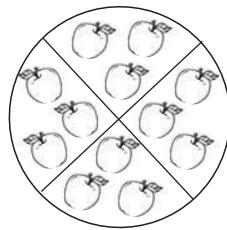
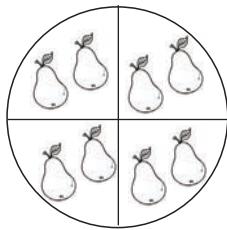
Nawukhupha i- $\frac{1}{4}$  yamapiyere emthini ipendulo \_\_\_\_\_.

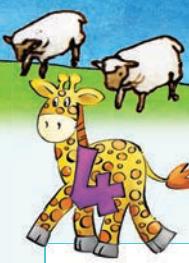
Nawukhupha i- $\frac{1}{4}$  yama-apula emthini yi-\_\_\_\_\_.

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

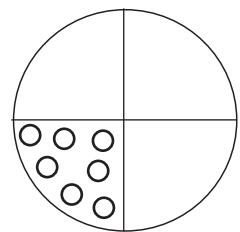
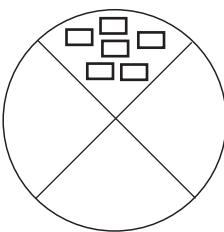
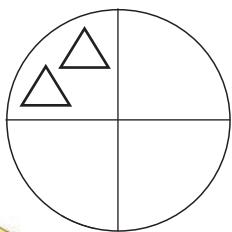
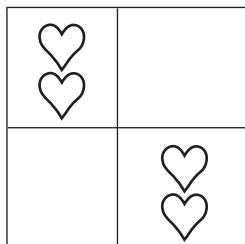
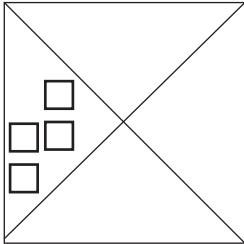
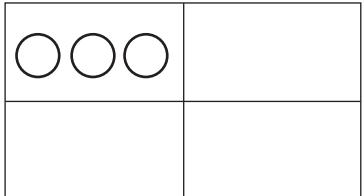


Khalara i- $\frac{1}{4}$  yesithelo kesinye nesinye isiqhema. Sithini isibalo seenthelo  
kenye nenyenikota?

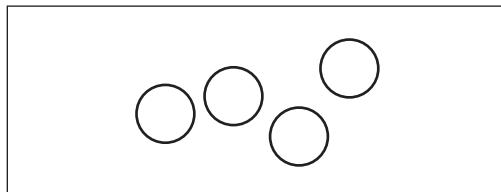
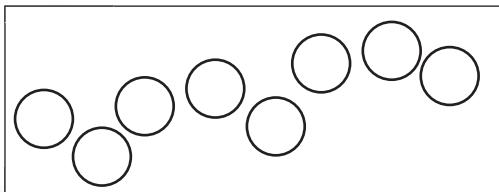




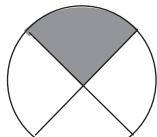
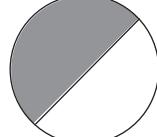
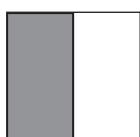
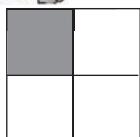
Gwala amanye amajamo ukwenza enye nenyé ikota ilingane.



Thengisa ikota yamajamo.



Ngikuphi okukhulu? Thika ipendulo enembako.



ihafu yinye

ikota yinye



ikota amakota

Teacher:

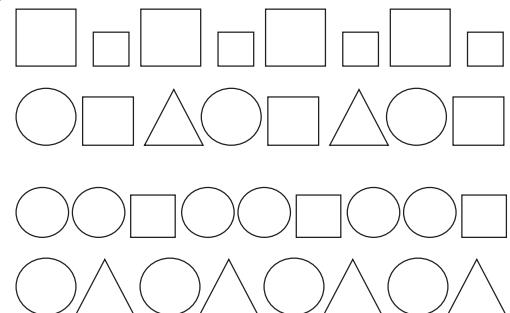
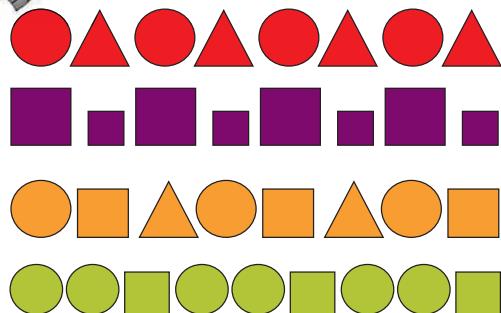
Sign:

Date:

95

# Amaphetheni weenomboro anamajamo

Madanisa iphetheni.

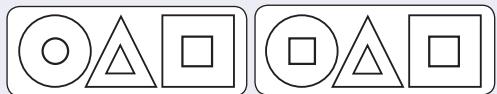


Kopulula iphetheni elandelako.

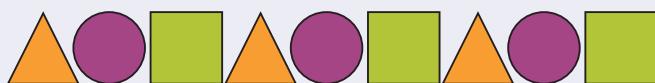




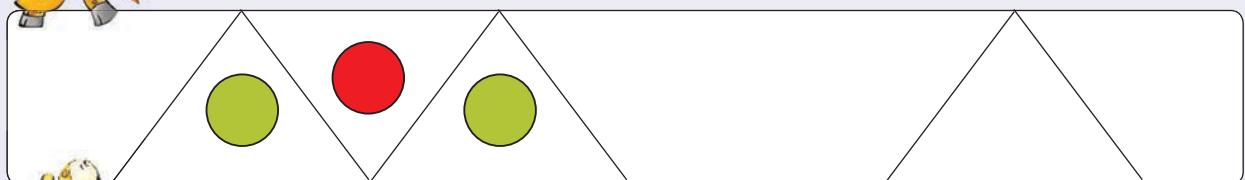
Khalara iphetheni ezokulandela.



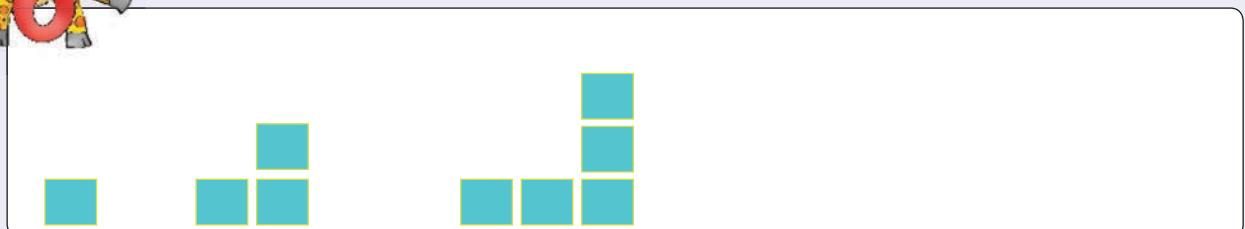
Gwala iphetheni elandelako.



Yelula iphetheni.



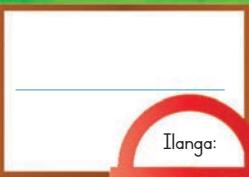
Gwala iphetheni elandelako.



Gwala iphetheni yakho.

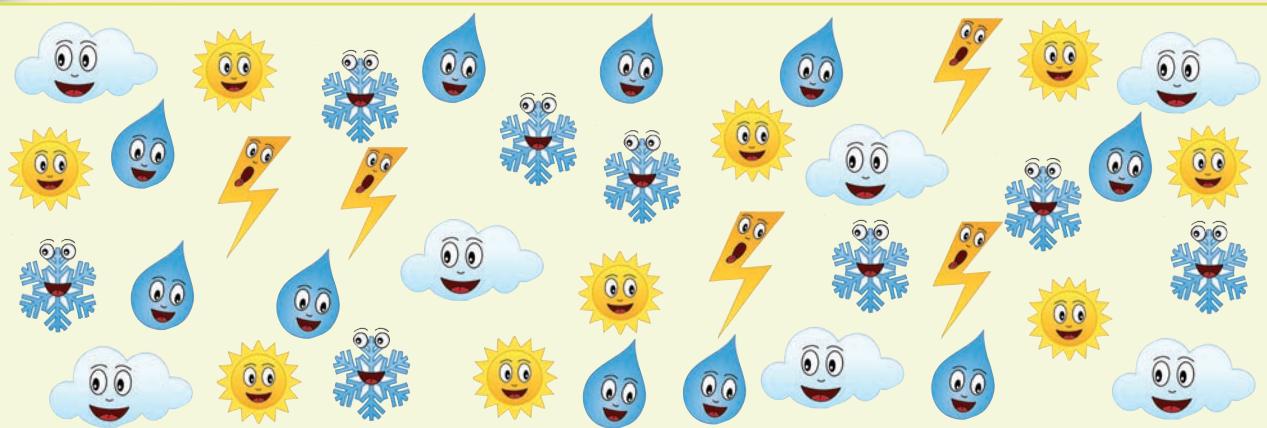


qb

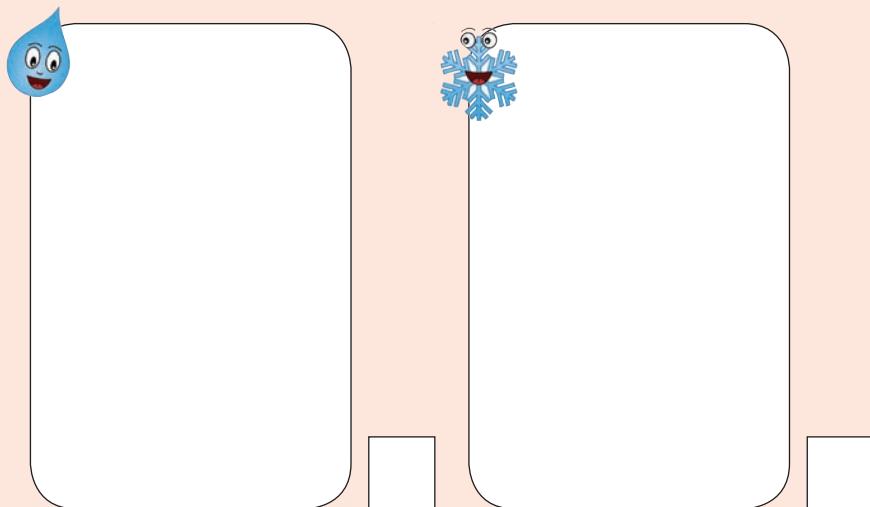
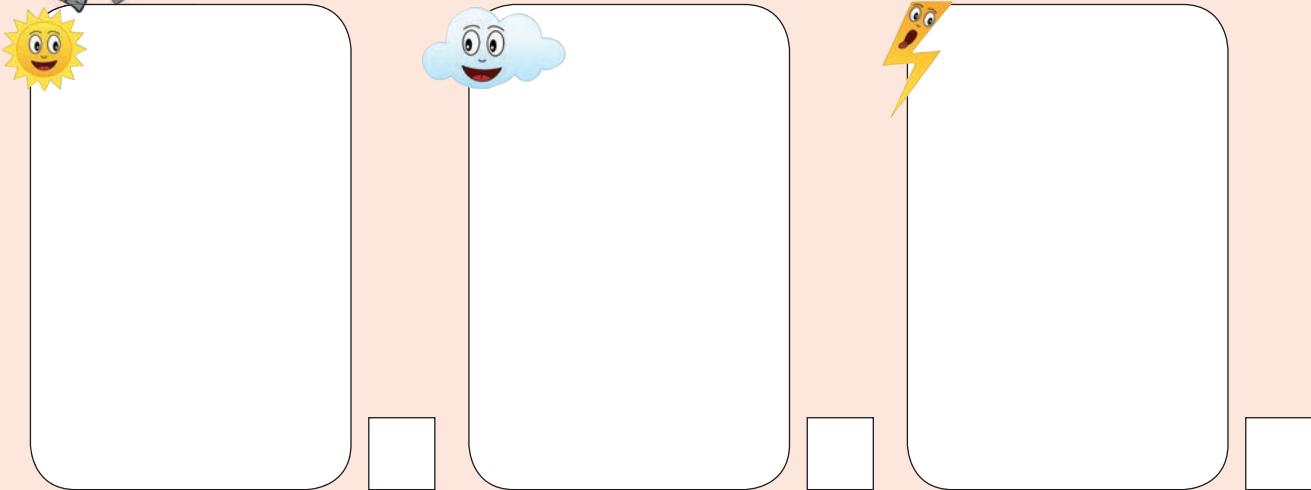


Ithemu 3

## Ukuhlela imininingwana



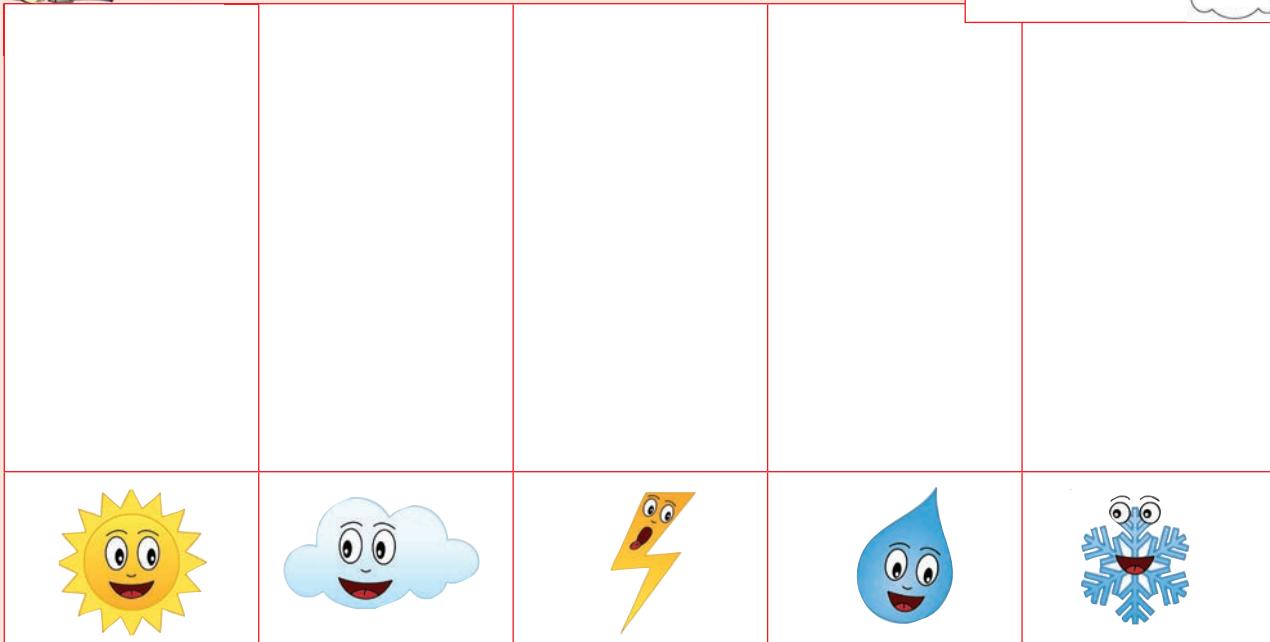
Hlela amatshwayo weeyeleliso zobujamo bezulu ngendlela efaneleko.  
Gwala wakho umgwalo ukhombise. Tlola inani elifaneleko ngebhoksini ngalinye.





Gwala isithombe sephikthografu ukhombise  
ukuhleleka kweenyeleiso zobujamo bezulu.

ISIYELELISO:



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



Ingabe besinamalanga amanengi  
atjhisako nanyana amalanga abe  
anamafu khona?

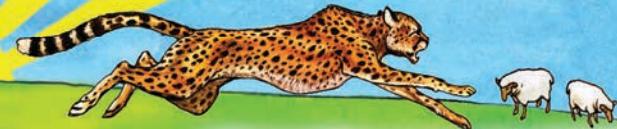
Ucabanga kobana kungasiphi  
isikhathi somnyaka?

Kubayini?

Ingabe lokhu kuzokufana kiwo  
woke amaphrovinsi?

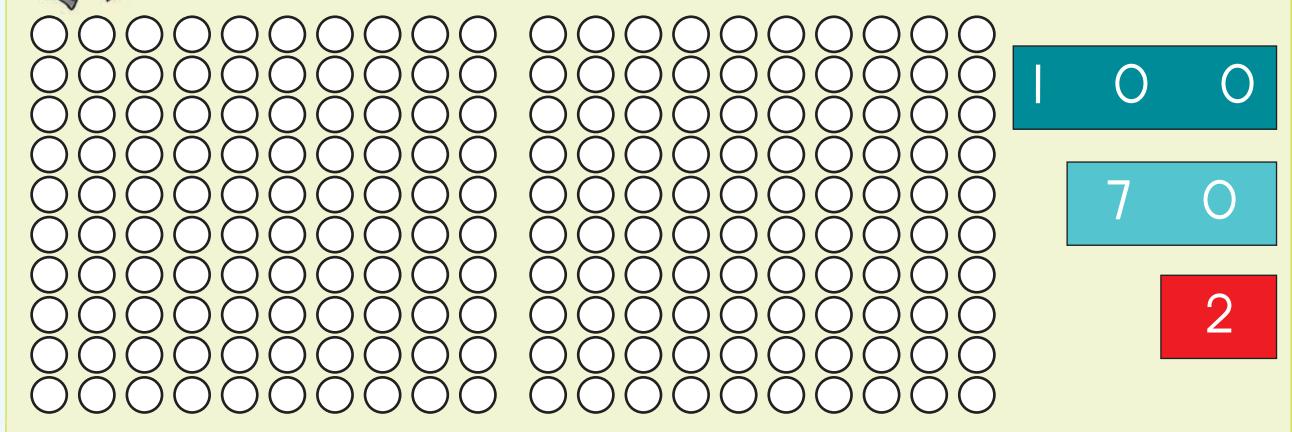


97



## Iinomboro 150 – 180

Khalara ngaphakathi kwesijingi se-172.



Tlola umutjho weenomboro:

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 5 \ 0 \\ \hline 150 \end{array} \quad 8$$

$$100 + 50 + 8 = 158$$



$$\begin{array}{r} 1 \ 0 \ 0 \\ + 5 \ 0 \\ \hline 150 \end{array} \quad q$$

=

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 7 \ 0 \\ \hline 170 \end{array} \quad 2$$

=

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 5 \ 0 \\ \hline 150 \end{array}$$

=

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 6 \ 0 \\ \hline 160 \end{array} \quad 7$$

=

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 5 \\ \hline 105 \end{array}$$

=



Ngiziphi iinomboro eziza hlangana:

$$150 \text{ ne } 158$$

\_\_\_\_\_

$$172 \text{ ne } 177$$

\_\_\_\_\_

$$180 \text{ ne } 175$$

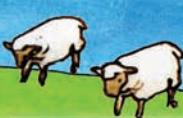
\_\_\_\_\_

$$160 \text{ ne } 155$$

\_\_\_\_\_

$$165 \text{ ne } 160$$

\_\_\_\_\_

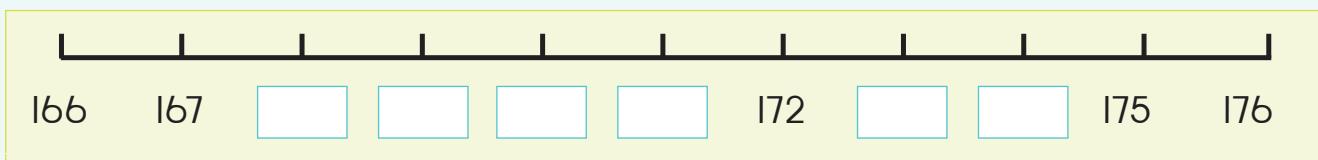
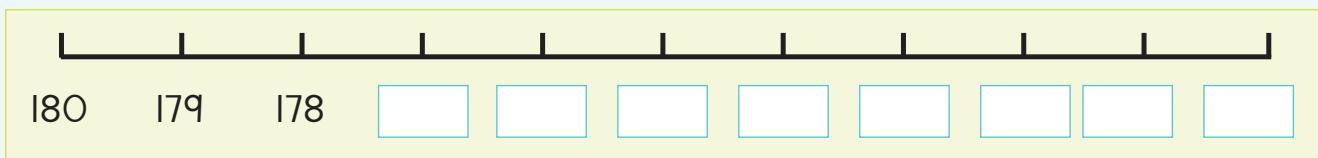
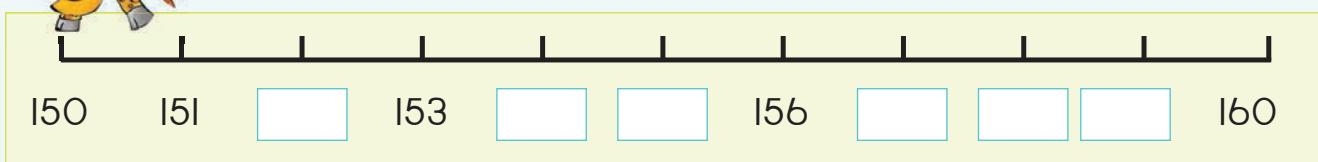


Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu  
kunenomboro enikelweko.

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



Qedelela amanambalayini alandelako.



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



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

q8

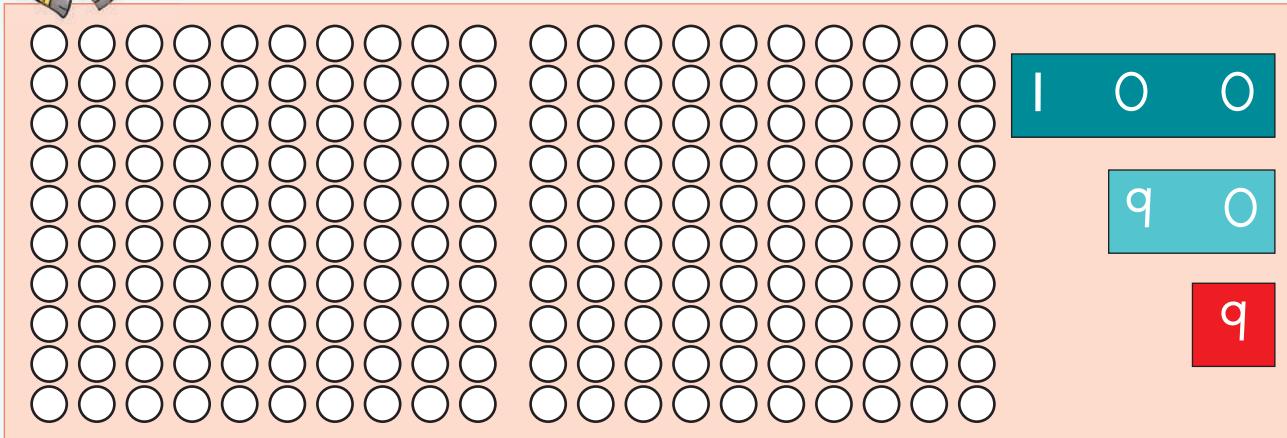


## Iinomboro 170 – 200

Ithemu 4



Khalara ngaphakathi kwesijingi se-1qq.



Tlola inomboro ejamele:

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 7 \ 0 \ 7 \\ \hline 1 \ 7 \ 7 \end{array}$$

$$100 + 70 + 7 = 177$$



$$\begin{array}{r} 1 \ 0 \ 0 \\ + q \ 0 \ 3 \\ \hline \end{array}$$

=

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 8 \ 0 \ 1 \\ \hline \end{array}$$

=

$$\begin{array}{r} 1 \ 0 \ 0 \\ + q \ 0 \ 5 \\ \hline \end{array}$$

=

$$\begin{array}{r} 1 \ 0 \ 0 \\ + q \ 0 \ q \\ \hline \end{array}$$

=

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 7 \ 0 \ q \\ \hline \end{array}$$

=



Ngiziphi iinomboro eziza hlangana?

$$170 \text{ ne } 175$$

\_\_\_\_\_

$$198 \text{ ne } 195$$

\_\_\_\_\_

$$180 \text{ ne } 175$$

\_\_\_\_\_

$$168 \text{ ne } 173$$

\_\_\_\_\_

$$200 \text{ ne } 196$$

\_\_\_\_\_

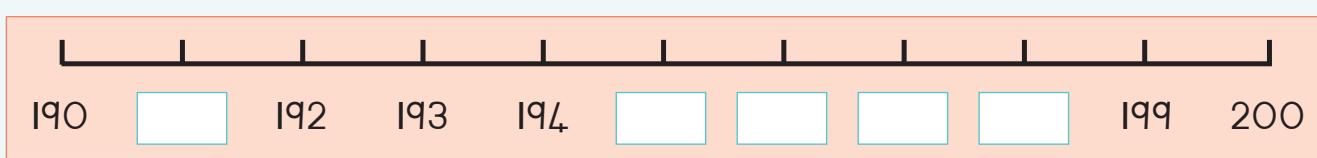
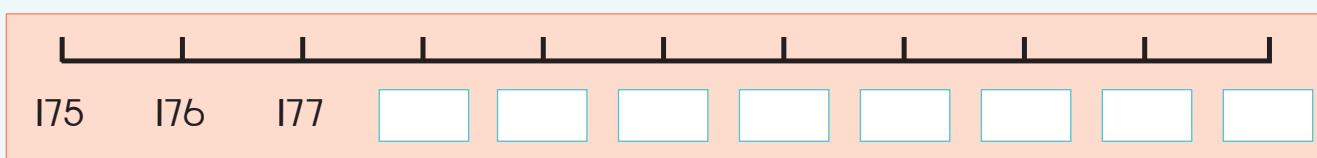
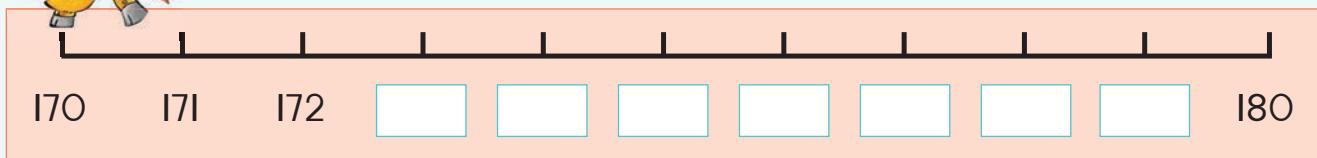


Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu  
kunenomboro enikelweko.

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



Qedelela amanambalayini.



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



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

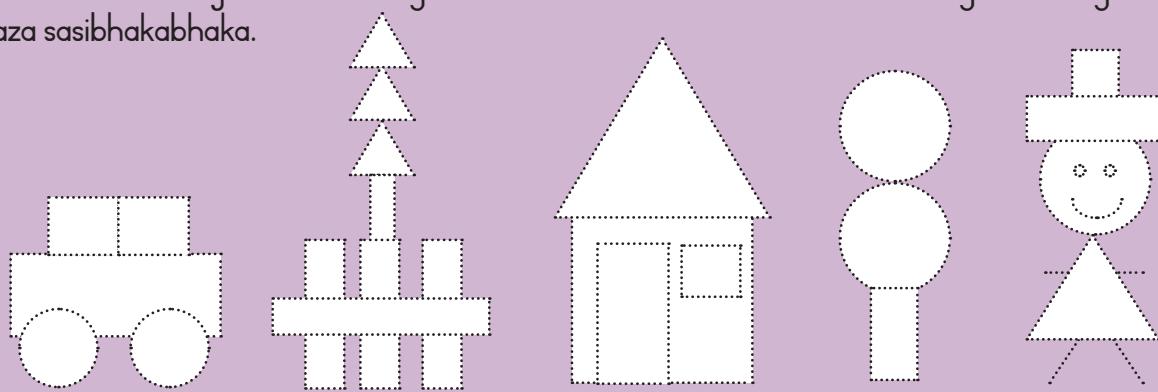
qq



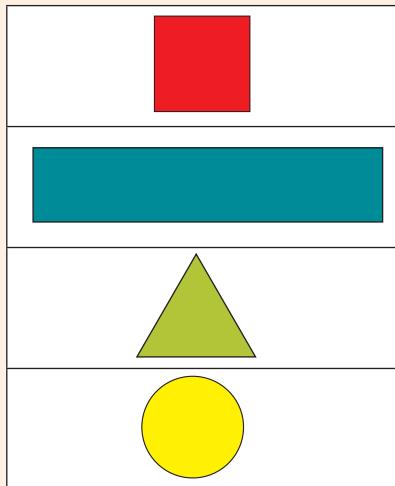
## Amabumbeko anobujamo be-2-D

Ithemu 4

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



Madanisa igama nebumbeko elinembako.



uncantathu

indulunga

isikwere

irekhthengela

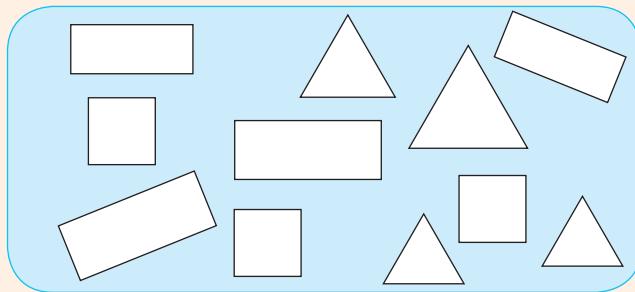
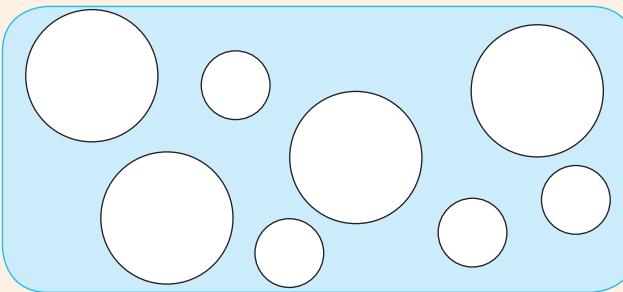


Khalara:

- Iindulunga ezikulu ngombala obov
- Iindulunga ezincani ngombala osarulani

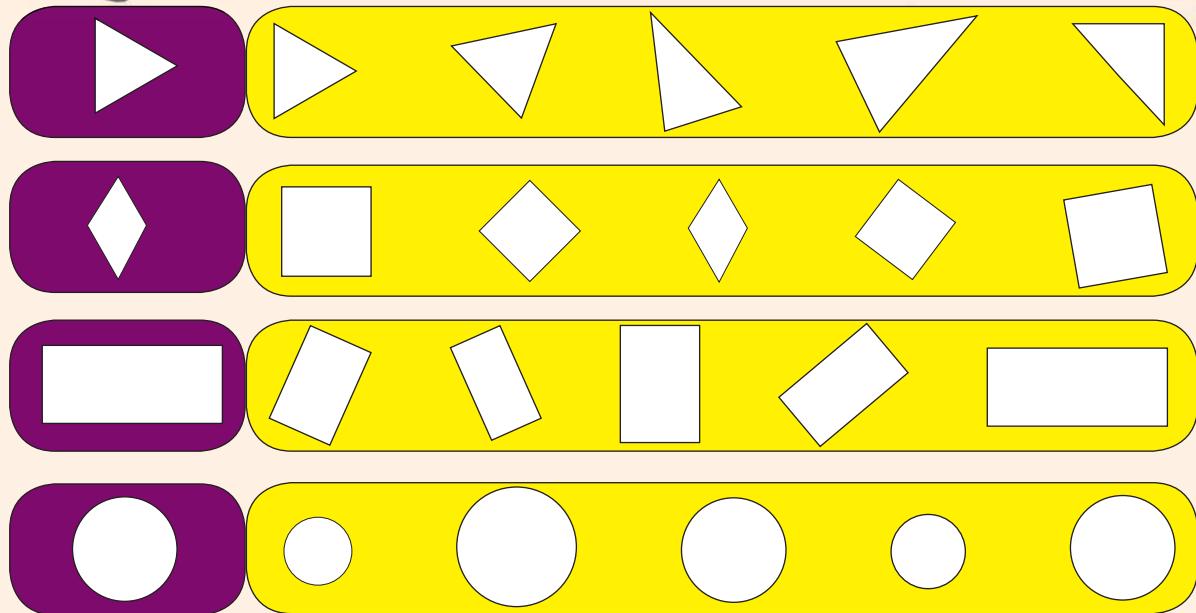
Khalara:

- Amarekhthengeli amakhulu ngombala obov
- Amarekhthengeli amancani ngombala osarulani





Khalara jjamo elifana nejamo elisekuthomeni.



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



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

# 100



## Iinomboro 0 – 200

Zingaki ezinye iinomboro ezahlukileko ongazakha.

Ithemu 4

100

40

2

q

50

100

100

20

1

70

8



Qedelela okulandelako.

100

40

q

$$100 + 40 + q = \boxed{\phantom{00}}$$

100

70

3

$$100 + 70 + 3 = \boxed{\phantom{00}}$$

100

20

8

$$100 + 20 + 8 = \boxed{\phantom{00}}$$

100

10

7

$$100 + 10 + 7 = \boxed{\phantom{00}}$$

100

90

2

$$100 + 90 + 2 = \boxed{\phantom{00}}$$



Tlola ngemabhoksini anganalitho ngamakhulu, amatjhumi kanye namayunidi ukuqedelela isibalo.

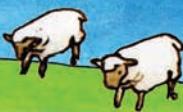
$$181 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{0}}$$

$$144 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{0}}$$

$$135 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{0}}$$

$$156 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{0}}$$

$$169 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{0}}$$



Hlanganisa okulandelako:

$60 + 4 = \boxed{\phantom{00}}$

$100 + 20 + 3 = \boxed{\phantom{00}}$

$90 + 8 = \boxed{\phantom{00}}$

$100 + 40 + 9 = \boxed{\phantom{00}}$

$40 + 7 = \boxed{\phantom{00}}$

$100 + 70 + 8 = \boxed{\phantom{00}}$

$30 + 6 = \boxed{\phantom{00}}$

$100 + 60 + 1 = \boxed{\phantom{00}}$

$50 + 2 = \boxed{\phantom{00}}$

$100 + 50 + 5 = \boxed{\phantom{00}}$

Tlola inomboro etlhayelako:

$70 + \boxed{\phantom{00}} = 71$

$100 + \boxed{\phantom{00}} + 3 = 153$

$30 + \boxed{\phantom{00}} = 38$

$100 + \boxed{\phantom{00}} + 9 = 169$

$60 + \boxed{\phantom{00}} = 69$

$\boxed{\phantom{00}} + 70 + 8 = 178$

$20 + \boxed{\phantom{00}} = 24$

$100 + \boxed{\phantom{00}} + 1 = 191$

$80 + \boxed{\phantom{00}} = 85$

$100 + 50 + \boxed{\phantom{00}} = 157$



Zenzele zakho iimbalo usebenzise amakhulu, amatjhumi kanye namadijidi.

$\boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$



Ngiyiphi inomboro ekulu (K)?

5	0	9
1	0	0

1	0	0
9	4	0

4	5	0
1	0	0

Ngiyiphi inomboro encani (Nc)?



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



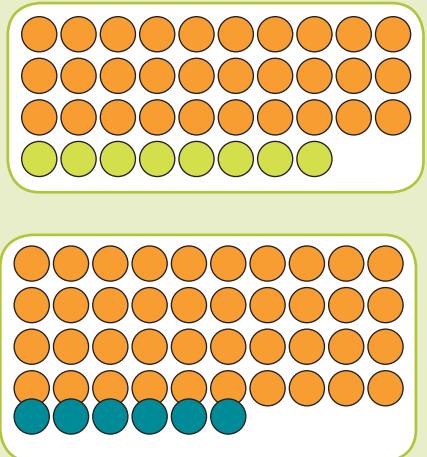
# Ukuhlanganisa nokukhupha

Ilanga:

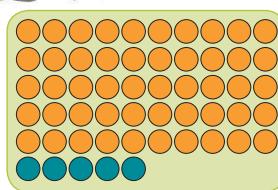
Qala ibhodi yeenomboro nomncamo. Khulumā ngokusebhodini.

Ithemu 4

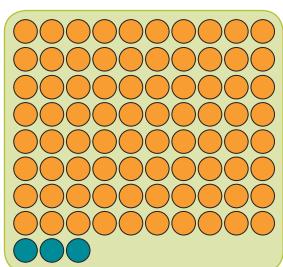
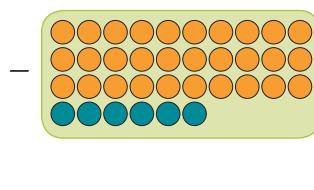
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



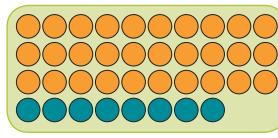
Hlanganisa nanyana ukhuphe.



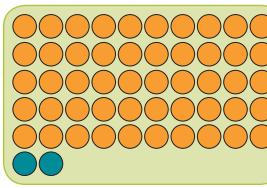
$$\begin{array}{r}
 50 \quad 5 - 30 \quad 6 \\
 = 40 + 15 - 30 - 6 \\
 = 10 + 9 \\
 = 19
 \end{array}$$



$$\begin{array}{r}
 \boxed{\phantom{0}} \quad \boxed{\phantom{0}} - \boxed{\phantom{0}} \quad \boxed{\phantom{0}} \\
 = \boxed{\phantom{0}} + \boxed{\phantom{0}} - \boxed{\phantom{0}} - \boxed{\phantom{0}} \\
 = \boxed{\phantom{0}} + \boxed{\phantom{0}} \\
 = \boxed{\phantom{0}}
 \end{array}$$



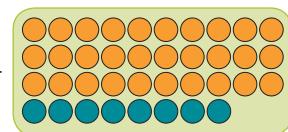
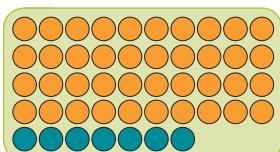
$$\begin{array}{r}
 \boxed{\phantom{0}} \quad \boxed{\phantom{0}} + \boxed{\phantom{0}} \quad \boxed{\phantom{0}} \\
 = \boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}} \\
 = \boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}} \\
 = \boxed{\phantom{0}} + \boxed{\phantom{0}} \\
 = \boxed{\phantom{0}}
 \end{array}$$



$$\begin{array}{r}
 \boxed{\phantom{0}} \quad \boxed{\phantom{0}} + \boxed{\phantom{0}} \quad \boxed{\phantom{0}} \\
 = \boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}} \\
 = \boxed{\phantom{0}} + \boxed{\phantom{0}} \\
 = \boxed{\phantom{0}}
 \end{array}$$

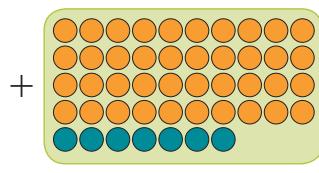
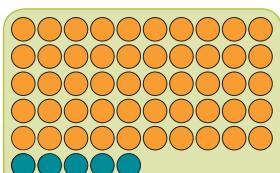


Linganisa bewubale.



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?





## Ukuhlanganisa nokukhupha godu

Ilanga:

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

Ithemu 4

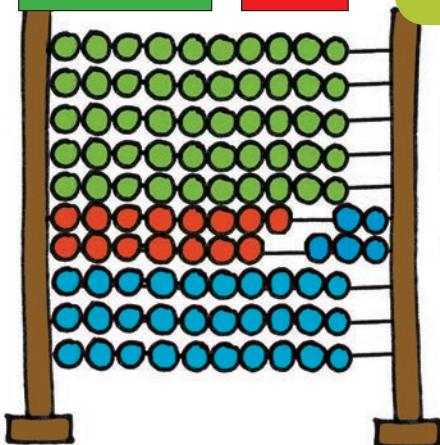
2	0	8
---	---	---

=

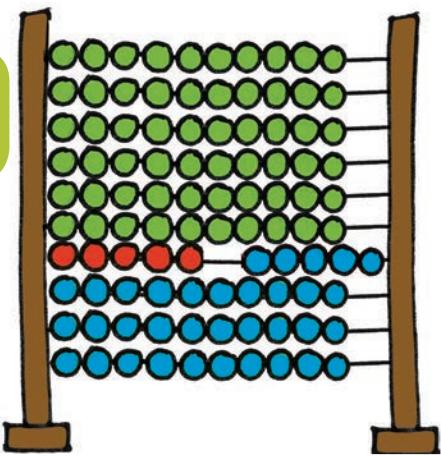
6	0	5
---	---	---

3	0	7
---	---	---

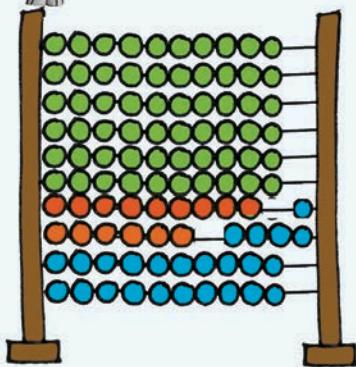
Hlanganisa iimbalo  
ezimbili



Kulingana  
na-.

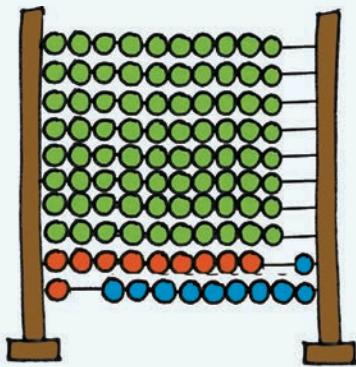


Tlola isibalo esihlanganisako kanye nesikhuphako. Balisia.



Isibalo esihlanganisako

Isibalo esikhuphako

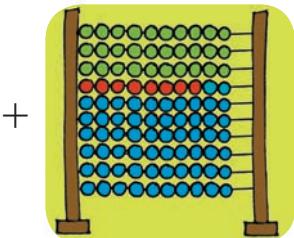
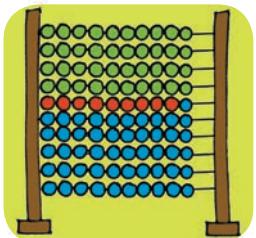


Isibalo esihlanganisako

Isibalo esikhuphako

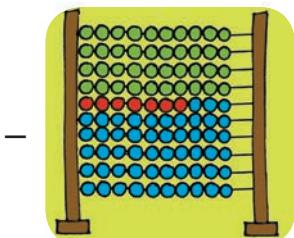
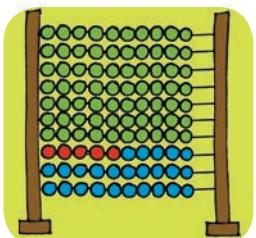


Linganisa bese uyabalisia.



Linganisa



Linganisa



Balisia usebenzisa indlela yakho.

$58 + 35$

$34 - 26$



Uyini umphumela weenomboro 74 no-19?

Inani laka-46 no-27

Khupha u-34 ku-72.

Umehluko waka-81 no-36.



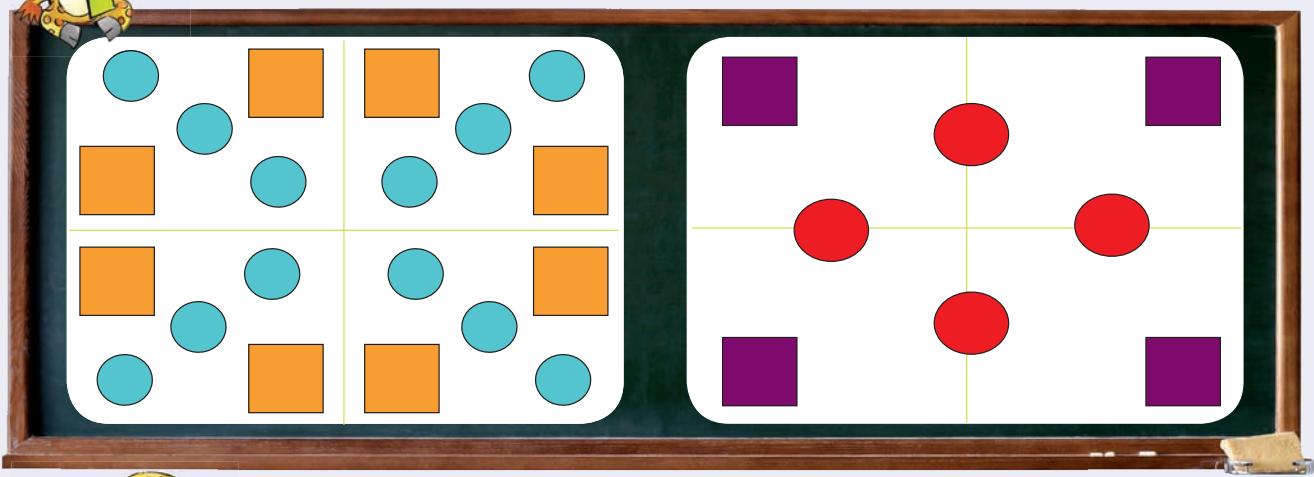
Teacher:  
Sign:  
Date:

103

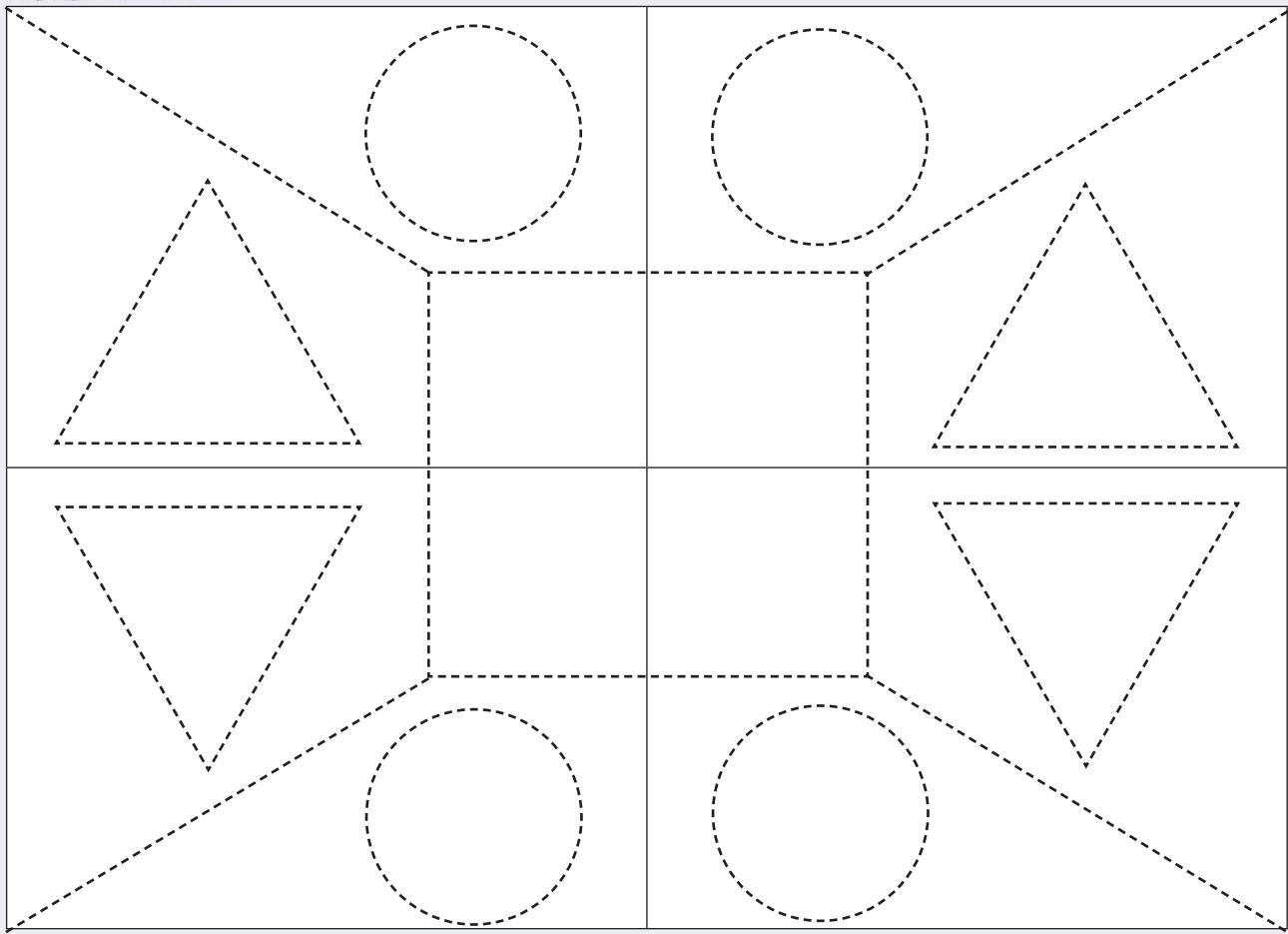


Ithemu 4

Hlathulula iphetheni.

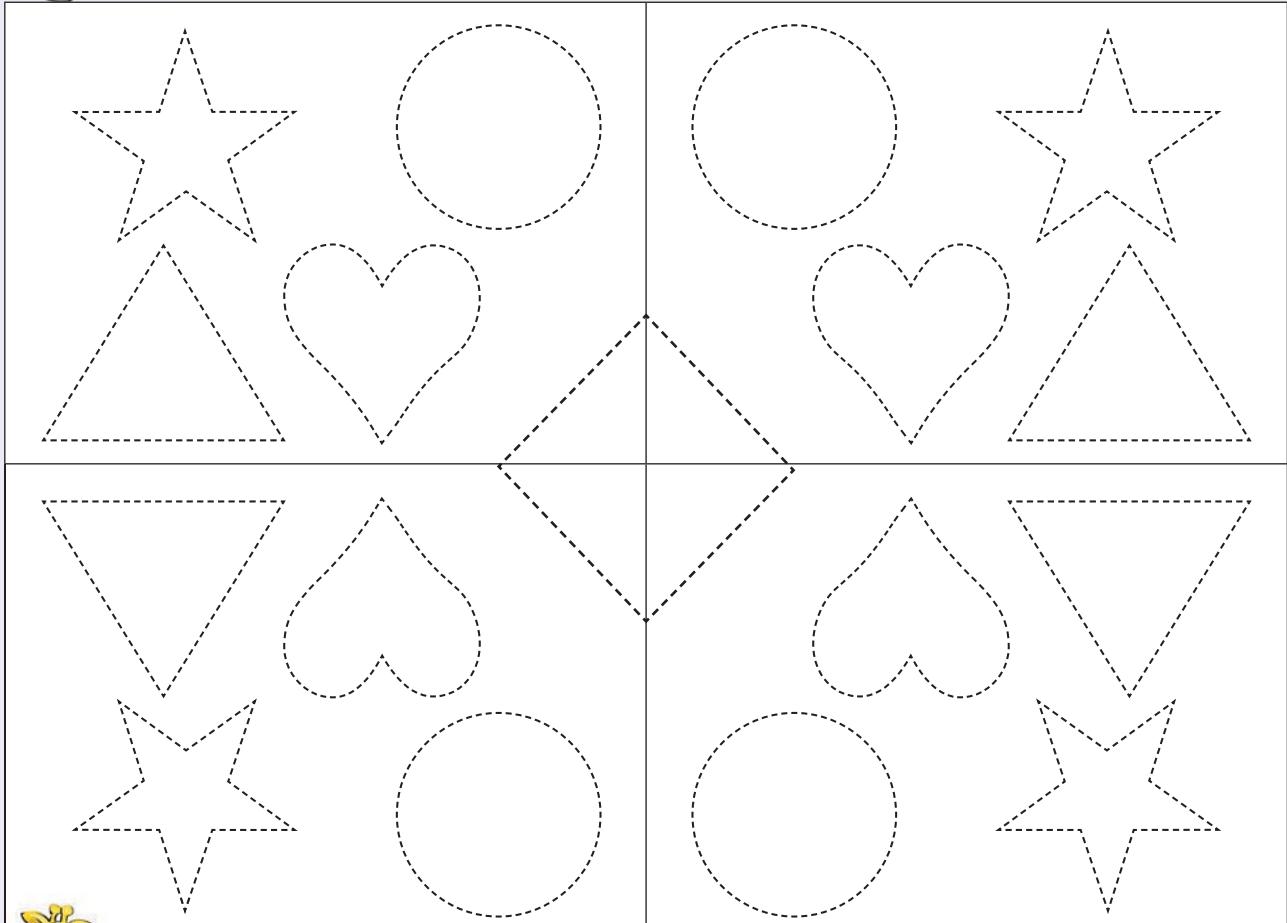


Gadangisa iphetheni bese uyangikhala.





Gadangisa iphetheni bese uyayikhala.



Zenzele iphetheni yakho usebenzisa amajamo.

Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



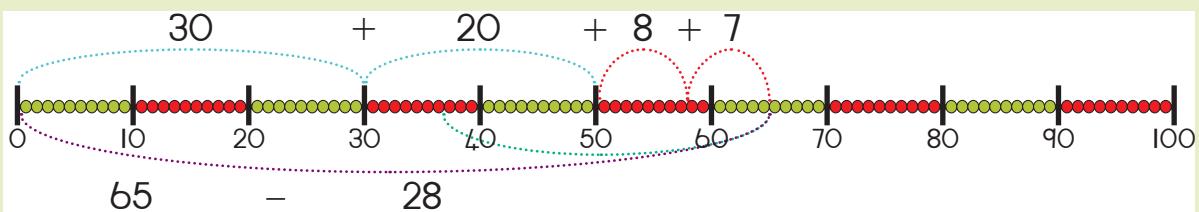
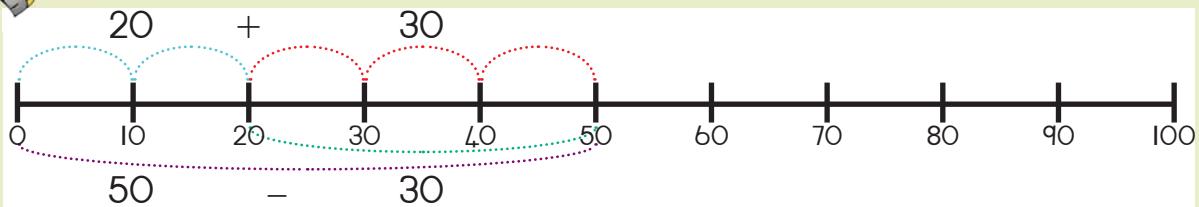


## Ukuhlanganisa nokukhupha

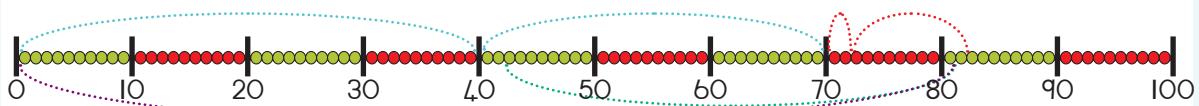
Ithemu 4



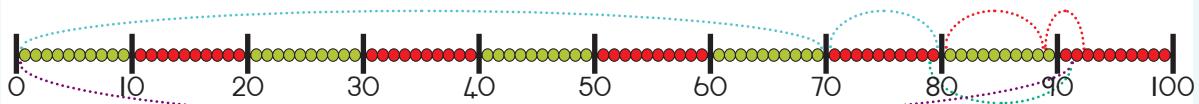
Qala amanambalayini. Coca ngawo.



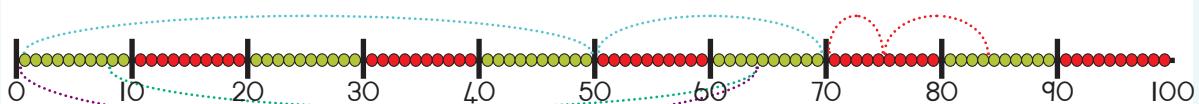
Tlola isibalo sokuhlanganisa nesokukhupha usebenzise amanambalayini.



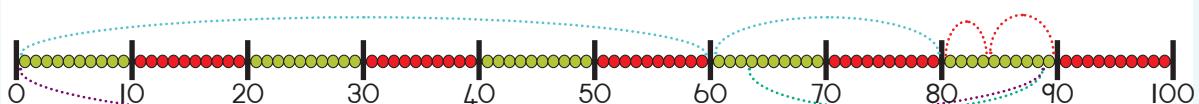
Isibalo sokuhlanganisa: \_\_\_\_\_ Isibalo sokukhupha: \_\_\_\_\_



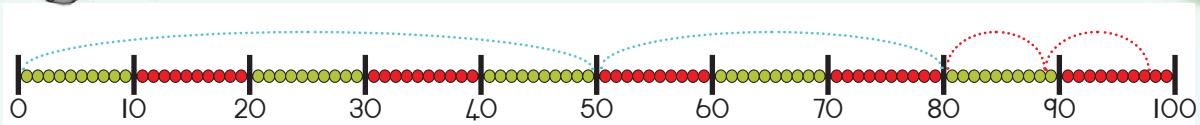
Isibalo sokuhlanganisa: \_\_\_\_\_ Isibalo sokukhupha: \_\_\_\_\_



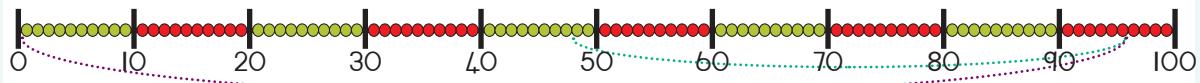
Isibalo sokuhlanganisa: \_\_\_\_\_ Isibalo sokukhupha: \_\_\_\_\_



Isibalo sokuhlanganisa: \_\_\_\_\_ Isibalo sokukhupha: \_\_\_\_\_



Linganisa: \_\_\_\_\_ : Balisia: \_\_\_\_\_



Linganisa: \_\_\_\_\_ : Balisia: \_\_\_\_\_



Balisisa usebenzisa yakho indlela.

$74 + 18$

$72 - 43$



Uyini umphumela waka-82 no-9?

Khupha u-44 ku-52.

Hlanganisa u-79 no-13.

Nawukhupha u-59 ku-98 kusala.



105



Ilanga:

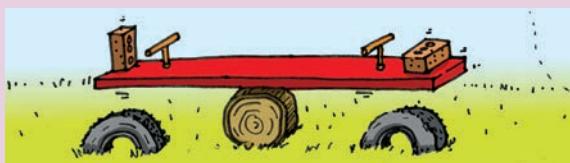
Ithemu 4



Yenza amahlangothi alingalingane.

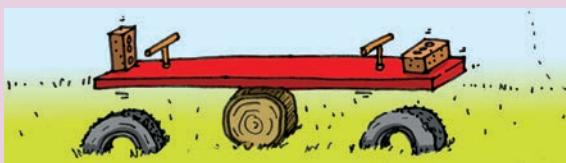
$10 + 4 + 5$

$9 + \boxed{\quad} + \boxed{\quad}$



$90 - 50$

$\boxed{\quad} - 20$



Qedelela okulandelako:

Okhunye  
okukodwa ngaphezulu

6	7
5	
3	
9	
2	
7	
4	
8	

Kutlhayela  
ngakhunye

4	3
8	
10	
9	
2	
7	
6	
3	

10  
okulitjhumi  
ngaphezulu

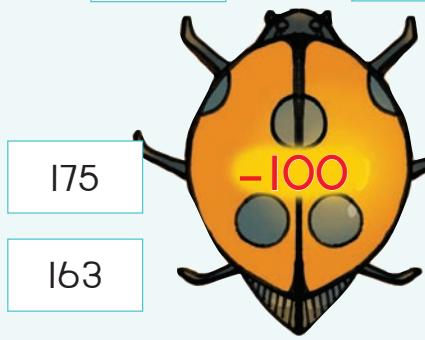
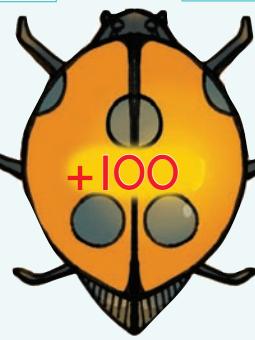
40	50
10	
60	
70	
20	
80	
30	
100	

10  
kutlhayela  
ngetjhumi

40	30
150	
20	
110	
200	
60	
180	
70	



Qedelela amadayagramu alandelako.

 $25$  $199$  $37$  $89$  $175$  $163$



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

q 0

-  

2 0

+  

5

100

4

3

3 0



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



Yini  
ukuhlanganisa?

2 6 5 7  
4 7 3 8  
q



Yini ukukhupha?

4 7 10  
5 q 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?

Teacher:  
Sign:  
Date:



## Amabumbeko anobujamo 3-D

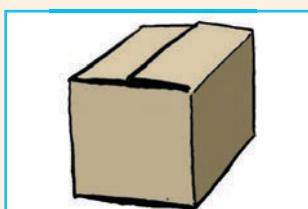
Akuphi amabhoksi, iimbholo  
kanye namasilinda?



Yitjho nangabe libhoksi, yibholo nanyana isilinda.











Thola isithombe salokhu bese unamathisela lapha:

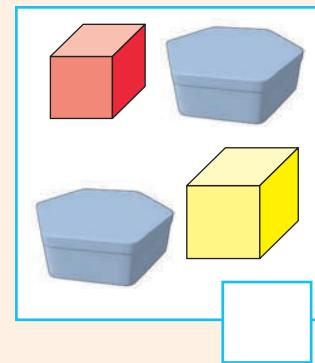
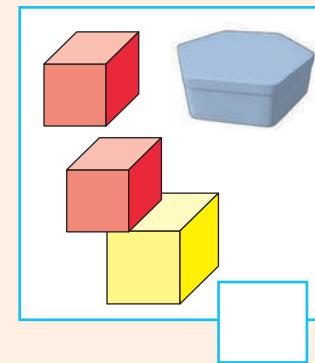
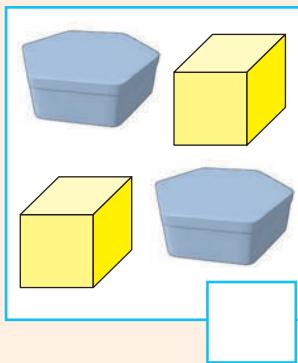
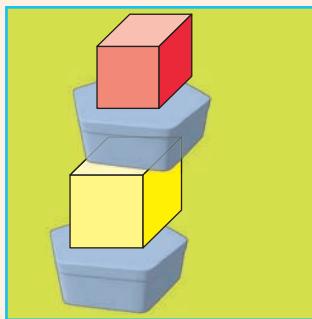
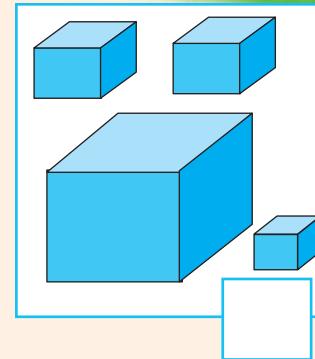
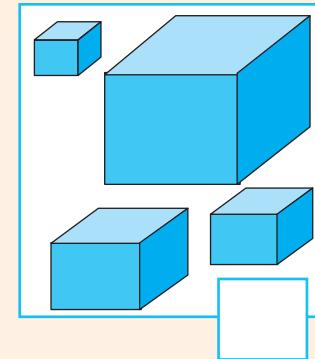
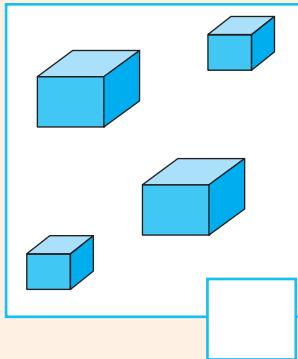
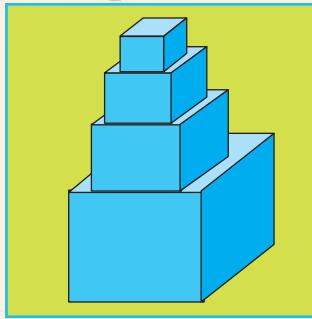
Ibholo

Ibhoksi

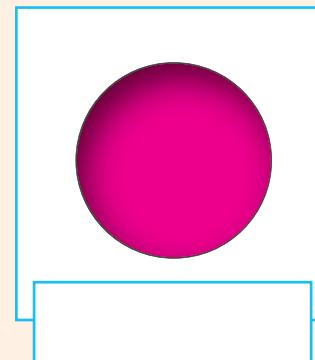
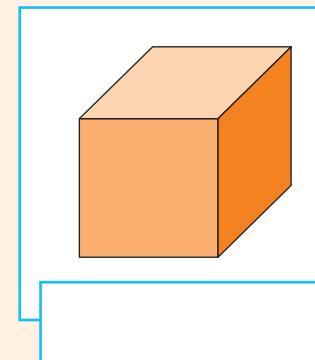
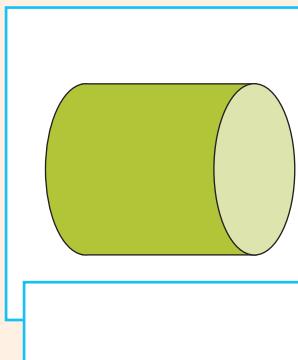
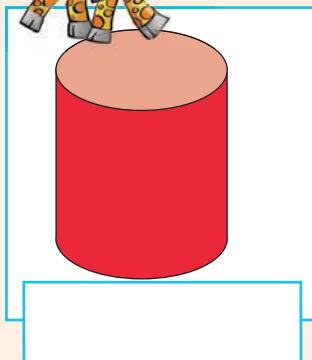
Isilinda



Tshwaya isede yezinto ezinembako  
ezizokwakha umbhotjhongo ngesinceleni.



Yitjho kobana lokhu kuzokugedeka nanyana kuzokutjhelela na.

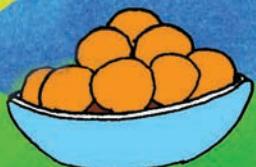


Kwenu nanyana eduze kwakho kunento ebonakala njengalokhu:

- Isilinda
- Ibholo
- Amabhoksi

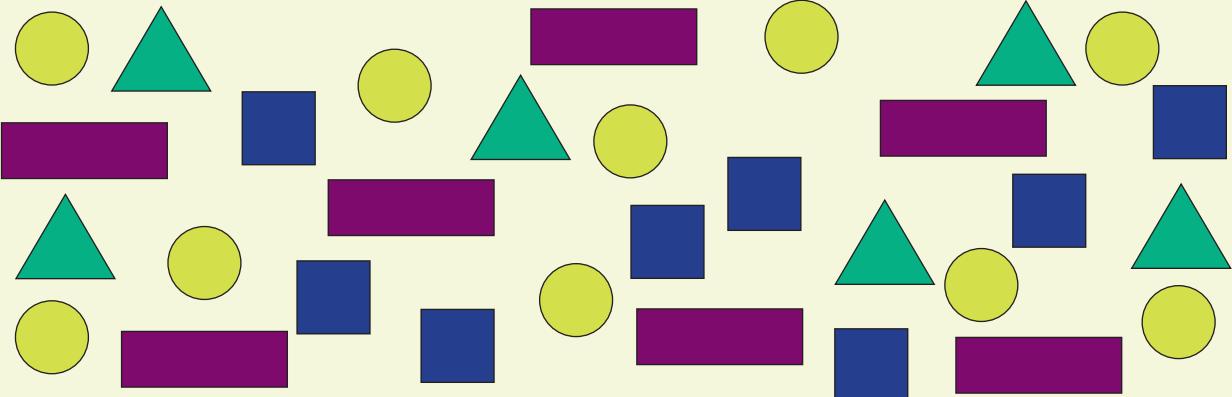
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>



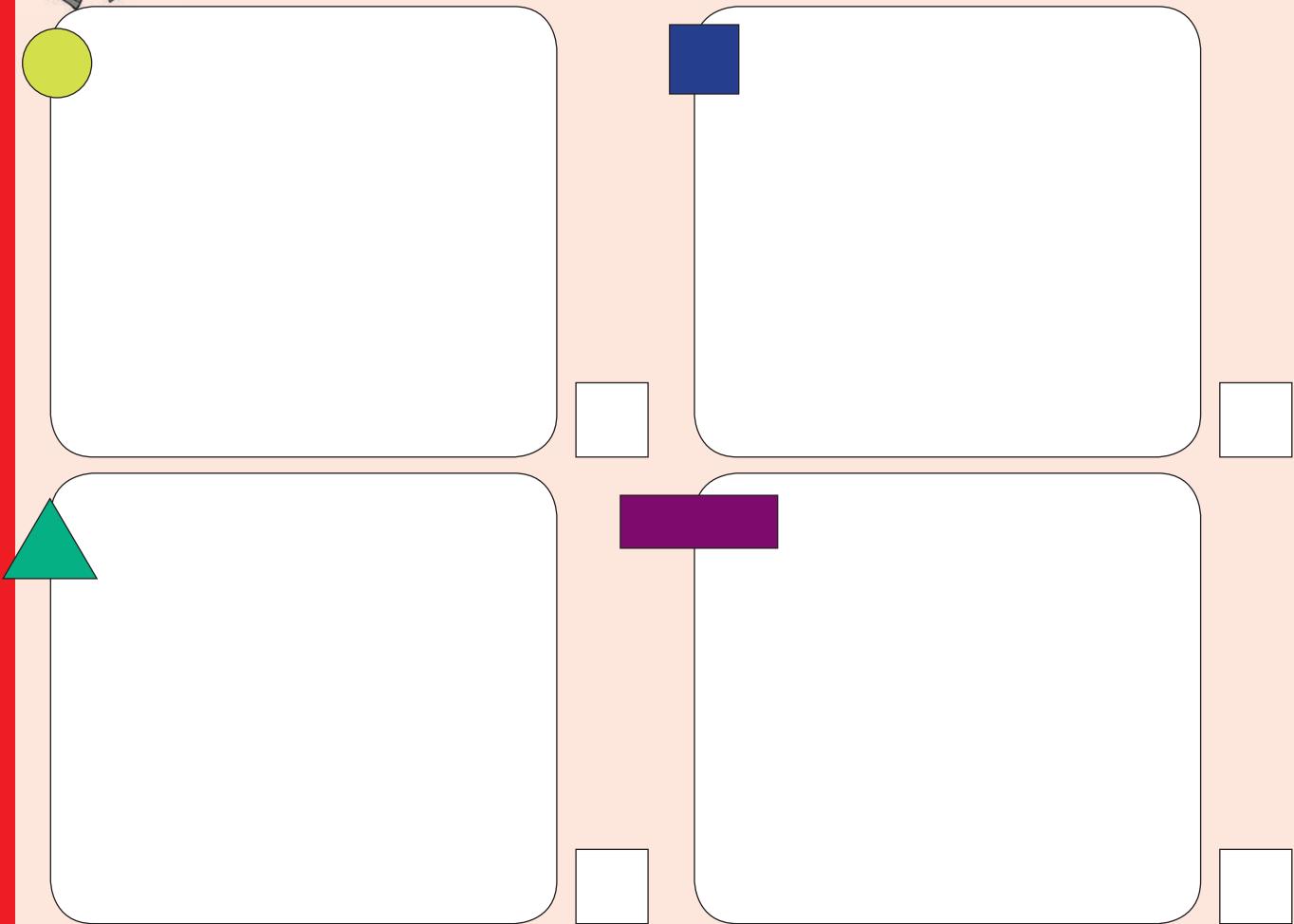


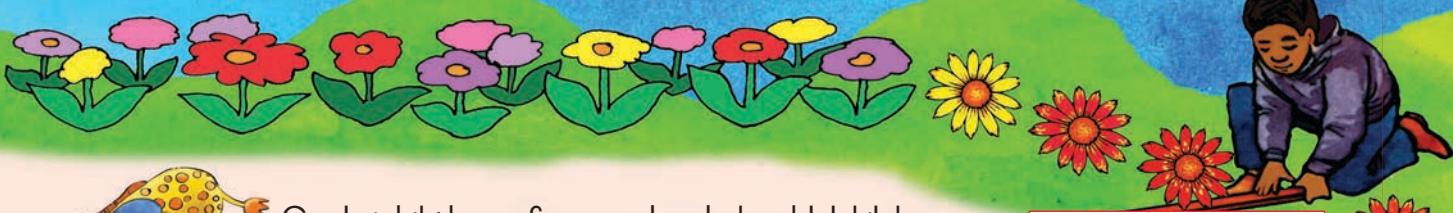
Ilanga:

## Idatha engezelelweko



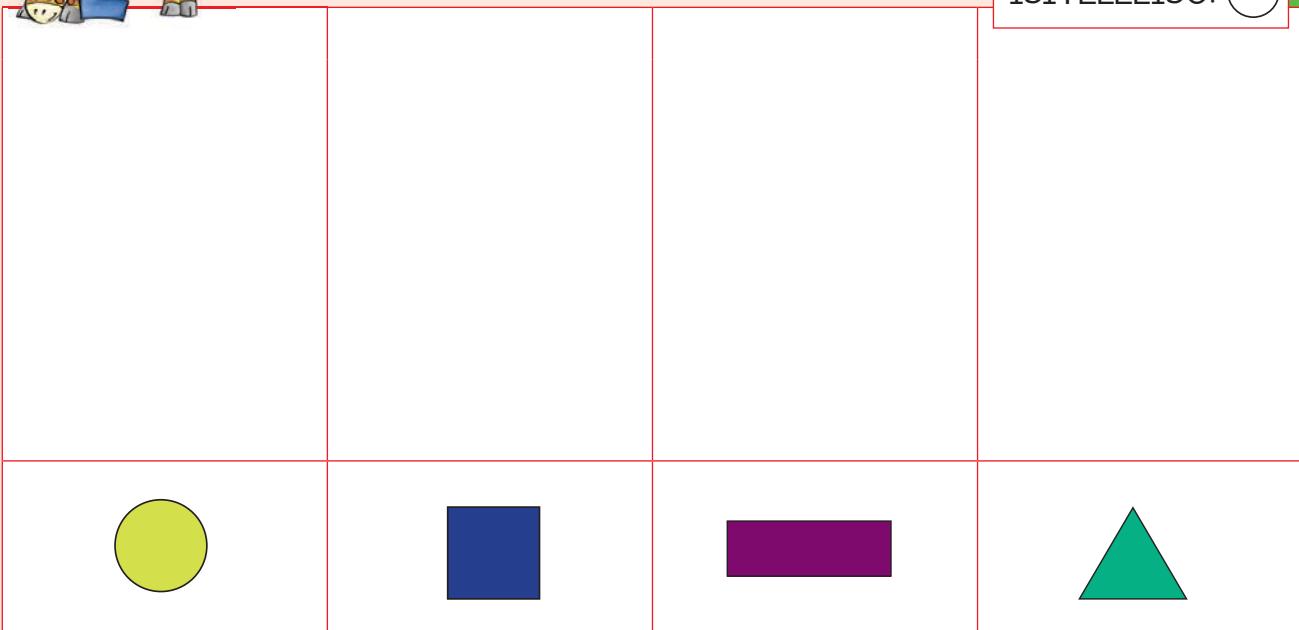
Hlela kuhle amabumbeko. Gwala wakho umgwalo ukhombise ama-phikthografu ahlekileko. Tlola inani elifaneleko ngebhoksini ngalinye.



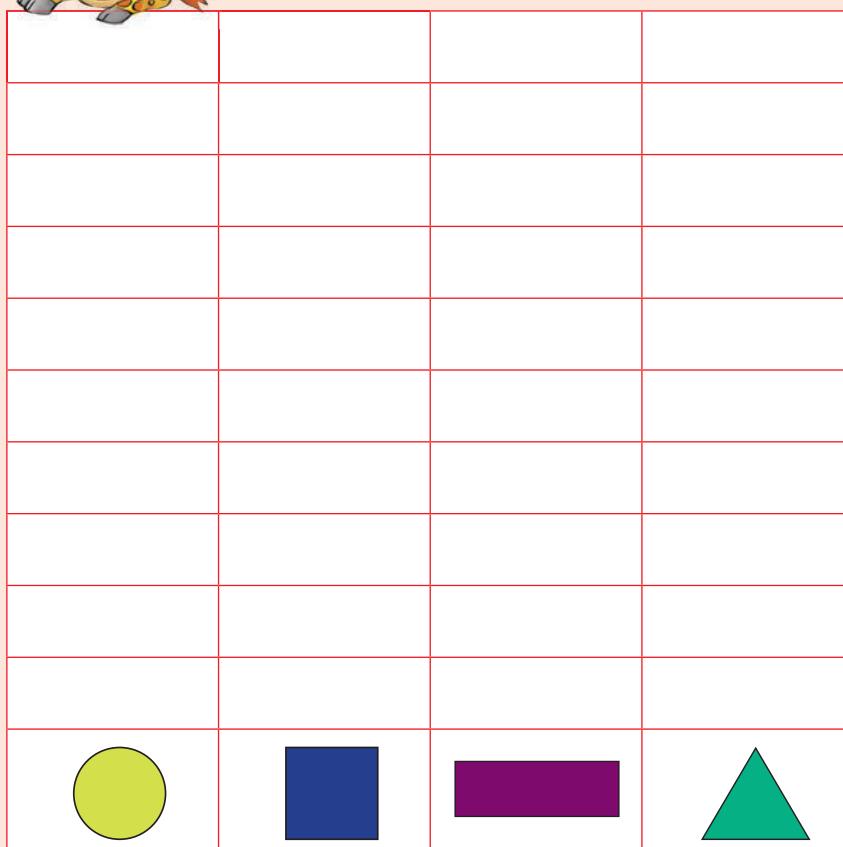


Gwala iphikthografu enamabumbeko ahlekileko.

ISIYELELISO:



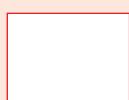
Khalara amabhlogo ukuze uqedeletele ibhagrafu yakho.



Zingaki iijingi ezilapho?



Zingaki iinkwere ezilapho?



Mangaki amarekhthengele alapho?



Bangaki aboncantathu abalapho?



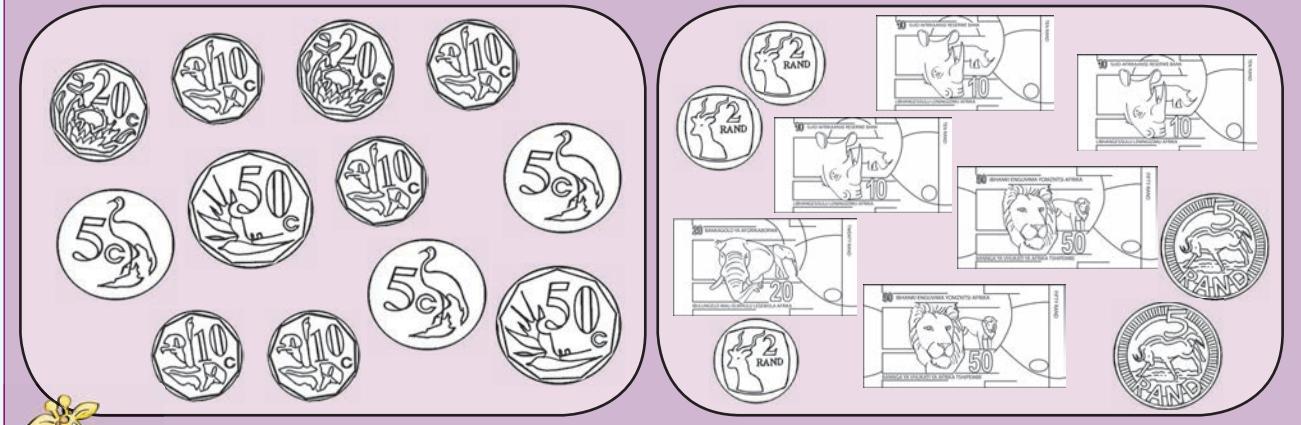


## Ukubala imali

Ilanga:

Ithemu 4

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		



uSipho uthenge amabhega amabili.

Ibhega yinye ibiza amaranda ali-RI2,50. Ukhokhe malini?

Tjengisa imali yamaphepha nemali. Eziihlamvu ukutjengisa ipendulo yakho.

Ubuye uytlole godu njengomutjho weenomboro.



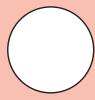
Imitjho yeenomboro: RI2,50 +  
RI2,50 =



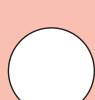
Nangabe uSipho uthenga amabhega amathathu?



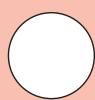
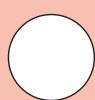
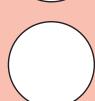
Imitjho yeenomboro:



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:

Sign:

Date:

109



## Ukurarulula umraro wemali

Ithemu 4

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

Itjhokoledi eli-1



Amatjhokoledi ama-2



Amatjhokoledi ama-3



Amatjhokoledi ama-4



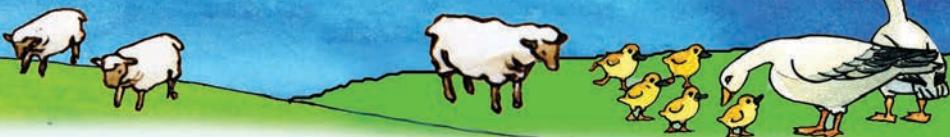
USheila uthengisa ama-hotdog nga-R4 lilinye. Qedelela itheyibula ukuze umsize athole amanani amakhulu woku-oda.

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



Nangabe uSheila ubiza ama-R5 i-hotdog ngayinye?

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



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 ngokubuyelelw kibili 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.  
Uzokubhadel 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: \_\_\_\_\_

10

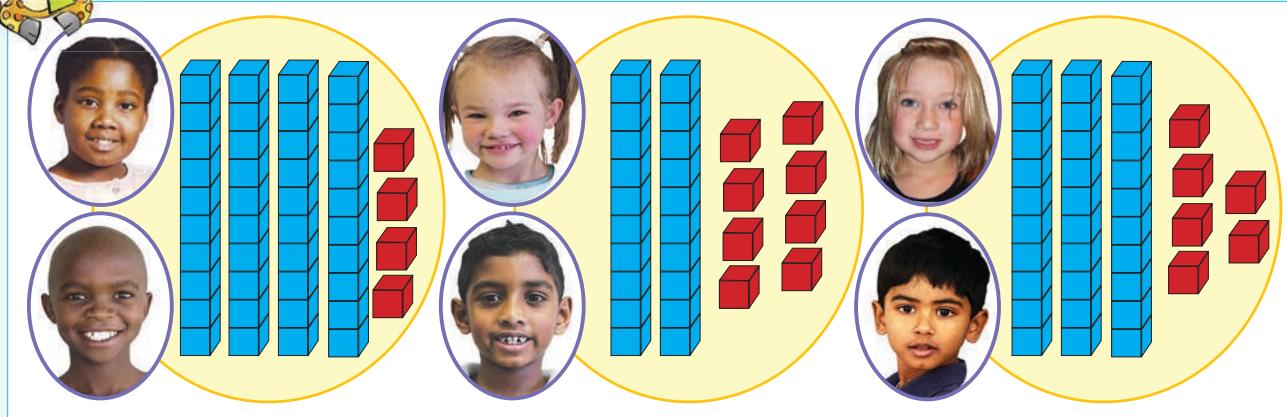


## Amabuthelelo nokwabelana

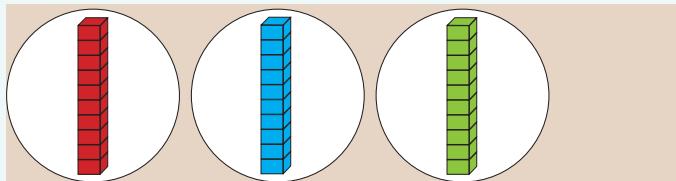
Ithemu 4



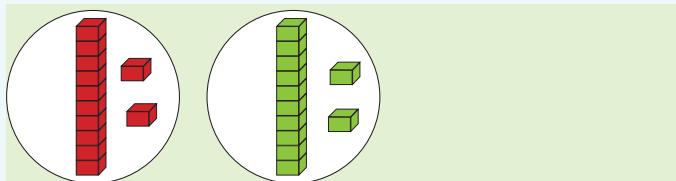
Mabhlogo amangaki endulungeni ngayinye hlangana nabentwana?



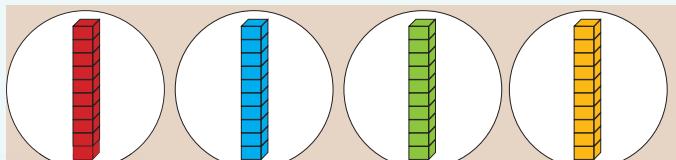
Mangaki amabhlogo asendulungeni ngayinye? Tlola inani elihlangeneko ngendulungeni ehlaza kwesibhakabhaka.



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



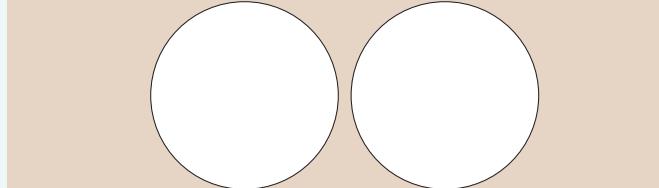
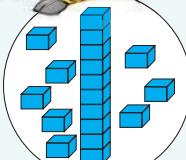
$$\square \times \square = \square$$



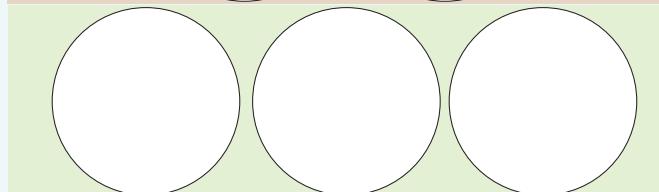
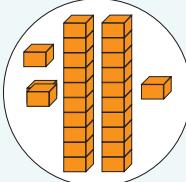
$$\square \times \square = \square$$



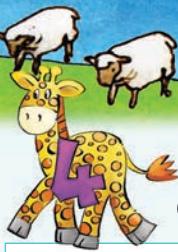
Yaba amabhlogo hlangana neendulungu.



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



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



Gwala okulandelako. Tlola inani lakho ngokukodwa.

Amabuthelelo wangaku-3 ama-2

+

Hlanganisa inani loke:

✗

Phindaphinda inani loke:

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

—

Khupha inani loke:

÷

Hlukanisa inani loke:

Amabuthelelo wangaku-4 ali-10

+

Hlanganisa inani loke:

✗

Phindaphinda inani loke:

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

—

Khupha inani loke:

÷

Hlukanisa inani loke:



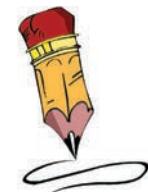
Bala

iinqhemha ezi-2 zangali-7 \_\_\_\_\_ iinqhemha ezi-3 zangabu-8 \_\_\_\_\_

iinqhemha ezi-4 zangaku-5 \_\_\_\_\_ iinqhemha 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 okubuyelwelwe kabilo



Teacher:

Sign:

Date:

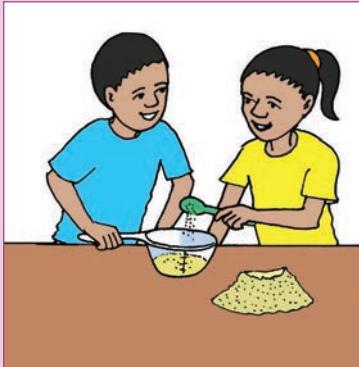
III



## Okhunye ngomthamo

Ilanga:

Qala iinthombe. Abentwana benza ini?



Amakhezo azokuzalisa ijego kufikela kuphi? Khalara. Sewenzelwe isibonelo.



Kuzokwenzeka ini nangabe uthela amakopi asi-6 ngejegeni yokumeda?

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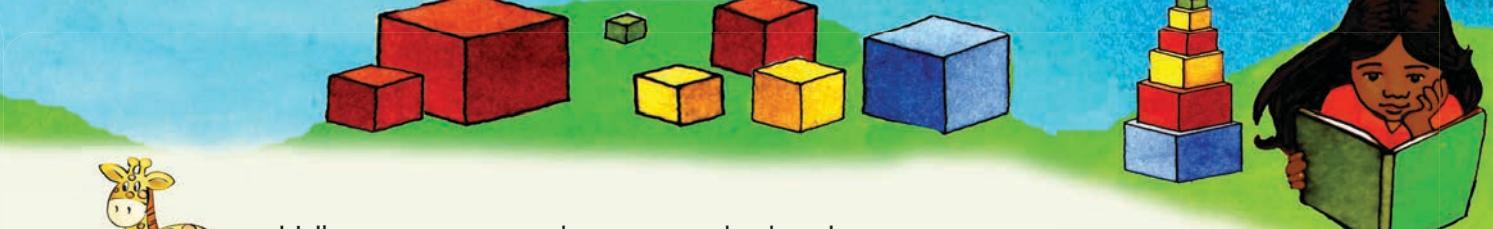
Utlhoga amakopi amangaki ukuzalisa:

Iinjege ezi-2 \_\_\_\_\_

Iinjege ezi-3 \_\_\_\_\_

Iinjege ezi-4 \_\_\_\_\_

Iinjege ezi-5 \_\_\_\_\_



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

2



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



Teacher:
Sign:
Date:



## Amanye amaphetheni

Ilanga:



Beka amakarada ngokulandelana. Thoma ngamakhulu uyokuqedelela ngamancani, beso 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

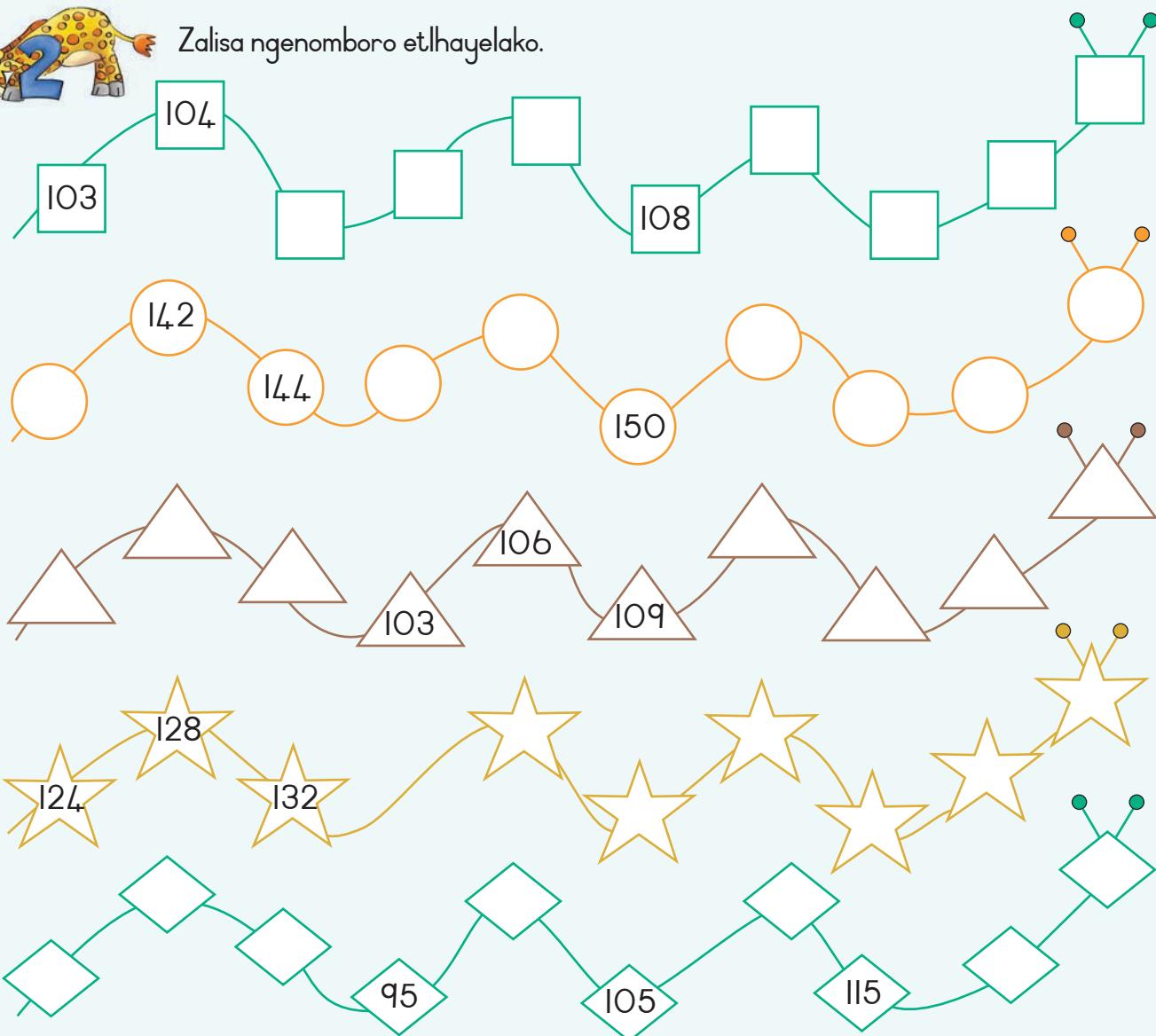
137

134

139



Zalisa ngenomboro etlhayelako.





Qedelela ukubala okulandelako uye emuva.



128	126	124			118			
160	157	154						
200	195	190						



Qedelela okulandelako.

100, 102, 104, \_\_\_, \_\_\_, \_\_\_, \_\_\_, \_\_\_

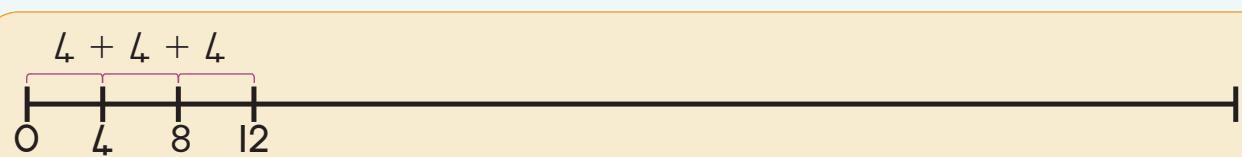
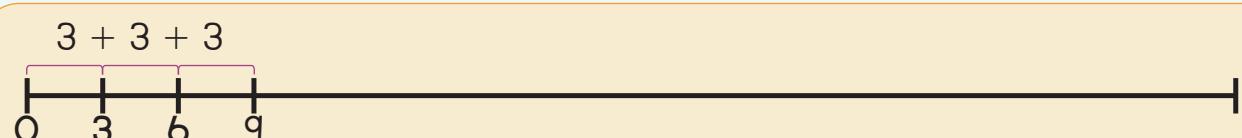
160, 155, 150, \_\_\_, \_\_\_, \_\_\_, \_\_\_, \_\_\_

115, 118, 121, \_\_\_, \_\_\_, \_\_\_, \_\_\_, \_\_\_

200, 190, 180, \_\_\_, \_\_\_, \_\_\_, \_\_\_, \_\_\_



Qedelela inambalayini.



Sibala ngangaki?

4	20
8	12
16	

2	14
8	12
10	4
6	

5	15
25	20
30	10

3	21
15	6
18	9
12	



Teacher:  
Sign:  
Date:



## Ukubuyabuyeleta ngaku-3

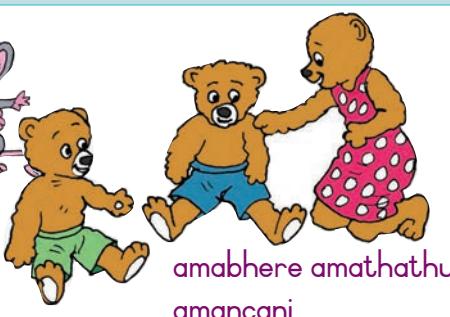
Ilanga:

Zoke iinyamazana zineenyawo ezine.

Zoke iinyamazana zineendlebe ezimbili.



amakhondlo  
amathathu angaboniko



amabhore amathathu  
amancani



iingulube  
ezintathu ezincani

Lithini inani loke leenyawo  
esithombeni?

Lithini inani loke leendlebe  
esithombeni?



Qala isithombe bese uqedelela okulandelako:

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Inani lamakhondlo      Iinyawo isilwana ngasinye



$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Inani lamakhondlo      Iindlebe inyamazana ngayinye



Qedeleta okulandelako:

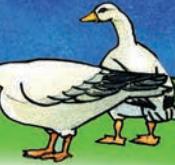
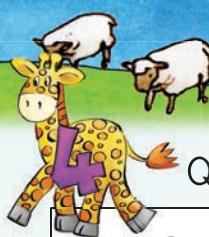
3	6	9							
---	---	---	--	--	--	--	--	--	--

30	27	24							
----	----	----	--	--	--	--	--	--	--



Qedeleta okulandelako:

$5 \times$ = <input type="text"/> ama-apula	$4 \times$ = <input type="text"/> amabhanana
$6 \times$ = <input type="text"/> amabhanana	$7 \times$ = <input type="text"/> ama-apula



Qedelela okulandelako:

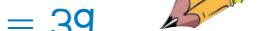
$$13 \times 3 = \boxed{\phantom{00}}$$

$$\begin{array}{r} 1 \quad 0 \\ \times \quad 3 \\ \hline \end{array}$$

$$= \boxed{1 \quad 0} + \boxed{3} \times 3$$

$$= \boxed{1 \quad 0} \times 3 + \boxed{3} \times 3$$

$$= 30 + 9$$



$$15 \times 3 = \boxed{\phantom{00}}$$

$$\begin{array}{r} 1 \quad 0 \\ \times \quad 5 \\ \hline \end{array}$$

$$= \boxed{\phantom{00}} + \boxed{\phantom{00}} \times \boxed{\phantom{0}}$$

$$= \boxed{\phantom{00}} \times \boxed{\phantom{0}} + \boxed{\phantom{00}} \times \boxed{\phantom{0}}$$

$$= \boxed{\phantom{00}} + \boxed{\phantom{0}}$$

$$= \boxed{\phantom{00}}$$



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

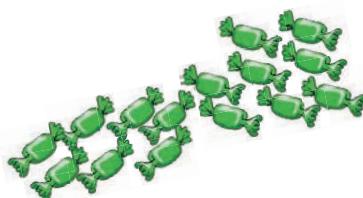


Qedelela lokhu:



Yabela abentwana aba-2 itjhokoledi ngokulingana.

Yabela abentwana aba-3 amathofî ali-15 ngokulingana.



Omunye nomunye ufunyana

Omunye nomunye ufunyana



Gwala iinthombe ukuze utjengise iimpendulo zakho.

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

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

Omunye nomunye ufunyana

Omunye nomunye ufunyana



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



## Ukubuyabuyelela okuvangileko

Qala lokhu okulandelako, ubona ini?

$$5 + 5 + 5 = 15$$



Oku-3 okunengi  
ka-5 = 15



Amabuthelelo  
ama-3 wangaku-5 = 15

Oku-3 okubuyabuyelelwé ka-5 = 15

$$3 \times 5 = 15$$

$$5 \times 3 = 15$$



Qedelela itheyibula elingenzasi. Isibonelo ngiso esizokuhlahla.

Ukubala ngokweqa	Amabuthelelo alinganako	Ukuhlanganisa okubuyelelwéko	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				



Ungenza masinya kangangani ukuqedelela lokhu?

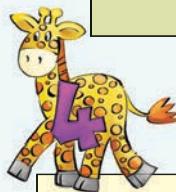
$1 \times 2 =$	
$2 \times 2 =$	
$3 \times 2 =$	
$4 \times 2 =$	
$5 \times 2 =$	
$6 \times 2 =$	
$7 \times 2 =$	
$8 \times 2 =$	
$9 \times 2 =$	
$10 \times 2 =$	

$1 \times 5 =$	
$2 \times 5 =$	
$3 \times 5 =$	
$4 \times 5 =$	
$5 \times 5 =$	
$6 \times 5 =$	
$7 \times 5 =$	
$8 \times 5 =$	
$9 \times 5 =$	
$10 \times 5 =$	



Phendula imibuzo elandelako.  
Khujini:

Okune okubuyabuyeletwe kahlanu	
Isithandathu esibuyabuyeletwe ka-6	
Isithandathu esibuyeletwe ka-5	
Oku-2 okubuyeletwe ka-4	
Oku-8 okubuyeletwe ka-2	



Zaliselela ngenomboro.

Amabuthelelo ama-3 wangaku-2 kulingana ne-6 nanyana $3 \times 2 =$ <input type="text"/>	
Amabuthelelo ama-4 wangaku-3 enza-12 nanyana ku-4 kubuyabuyeletwe ka-3 kwenza-12 nanyana nje kufana nokuthi $4 \times 3 =$ <input type="text"/>	
Amabuthelelo asi-6 wangaku-3 enza-18 nanyana isi-6 nasibuyabuyeletwe ka-3 kwenza-18 nanyana isi-6 $\times$ <input type="text"/> = 18	

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



115



Qala isibonelo.

Yini  
ukubuyabuyeleta.



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.

$$\begin{aligned}
 1 \times 5 &= 5 \\
 2 \times 5 &= 10 \\
 3 \times 5 &= 15 \\
 4 \times 5 &= 20 \\
 5 \times 5 &= 25 \\
 6 \times 5 &= 30 \\
 7 \times 5 &= 35 \\
 8 \times 5 &= 40 \\
 9 \times 5 &= 45 \\
 10 \times 5 &= 50
 \end{aligned}$$

Qedeleta:

	1	2	3	4	5	6	7	8	9	10
$\times 2$	2	4	6							

Sebenzisa indlela yakho ukunikela umphumela.

$12 \times 2$

$16 \times 2$

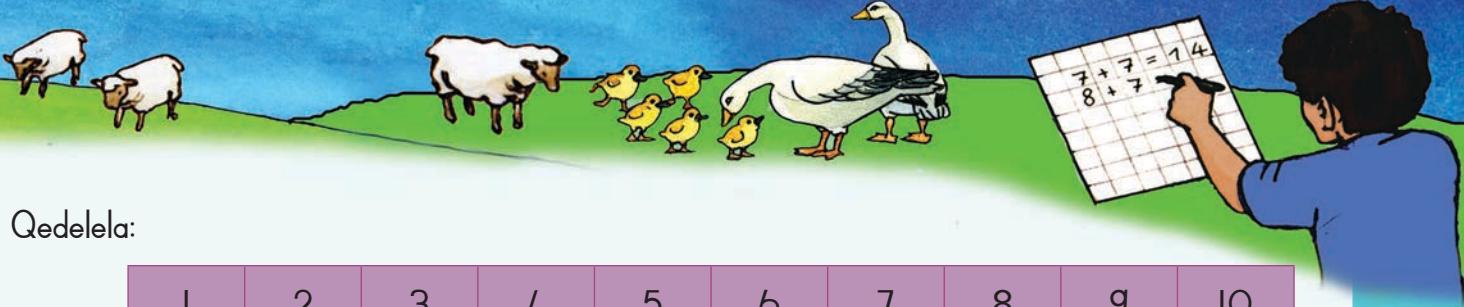
Qedeleta:

	1	2	3	4	5	6	7	8	9	10
$\times 3$	3	6	9							

Sebenzisa indlela yakho ukunikela.

$13 \times 3$

$15 \times 3$



Qedeleta:

	1	2	3	4	5	6	7	8	9	10
$\times 4$	4	8	12							

Sebenzisa indlela yakho ukunikela umphumela.

$$11 \times 4$$

$$14 \times 4$$

Qedeleta:

	1	2	3	4	5	6	7	8	9	10
$\times 5$	5	10	15							

Sebenzisa indlela yakho ukunikela umphumela.

$$12 \times 5$$

$$16 \times 5$$



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

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






Iiba



## Amalanga weveke

Ilanga:

Lungisa amaledere wamalanga weveke.

NEBGELSILII

NSGOEDNO

MONOUVLG

GTLHESAITHUNE

ENESGEINL

LNQGEOMGIBO

HNIALESGLNEU



Qedelela ngamalanga atlhayelako:

NgoMvulo		Ngelesithathu	
NgeSondo		NgeLesibili	



Tlola amalanga weveke.

NgeSondo					
----------	--	--	--	--	--



Malanga amangaki ukusuka:

NgoMvulo ukuya ngeLesine? \_\_\_\_\_

NgeLesibili ukufika ngeLesihlanu? \_\_\_\_\_

NgeLesine ukufika ngoMqibelo? \_\_\_\_\_

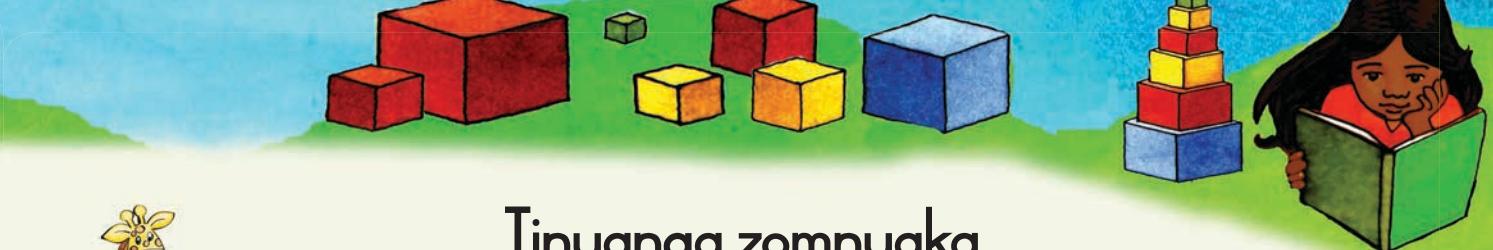


Kunamalanga amangaki hlangana:

KoLesibili kanye noMqibelo? \_\_\_\_\_

KoLesithathu no Lesihlanu? \_\_\_\_\_

KoLesine no Sondo? \_\_\_\_\_



# Iinyanga zomnyaka

Lungisa amaledere weenyanga zomnyaka ngefanelo.



NAJARIBA

FEWARIBHER

YILAJU

KTOOBA

VENOMBA

TJHIMA

SIARHO

NIJU

SEDIMBA

YIME

LIPREA

PTESEMBA



Inyanga enye nenyne inamalanga amangaki?

UJanabari 3I	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? \_\_\_\_\_



Ilb



## Amalanga, iimveke kanye neenyanga

Ithemu 4

UDisemba 2015

USondo	UMvulo	ULesibili	ULesithathu	ULesine	ULesihlanu	UMgqibelo
	I	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? \_\_\_\_\_

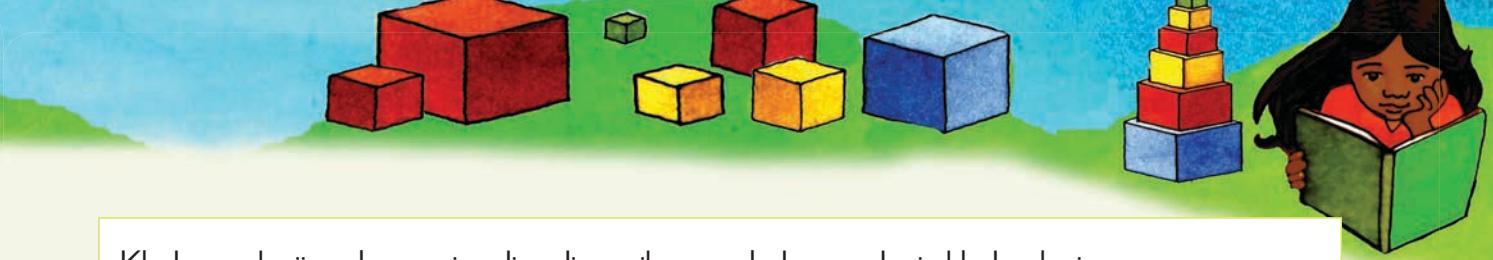
Iveke inamalanga amangaki? \_\_\_\_\_

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? \_\_\_\_\_



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:

	Ukfika ku:		



Teacher:  
Sign:  
Date:

117



# Amanye amaphetheni weenomboro



Hlathulula enye nenyе iphetheni ebbodini.

Ithemu 4

I01	I02	I03	I04	I05	I06	I07	I08	I09	I10
II1	II2	II3	II4	II5	II6	II7	II8	II9	I20
I21	I22	I23	I24	I25	I26	I27	I28	I29	I30
I31	I32	I33	I34	I35	I36	I37	I38	I39	I40
I41	I42	I43	I44	I45	I46	I47	I48	I49	I50

I51	I52	I53	I54	I55	I56	I57	I58	I59	I60
I61	I62	I63	I64	I65	I66	I67	I68	I69	I70
I71	I72	I73	I74	I75	I76	I77	I78	I79	I80
I81	I82	I83	I84	I85	I86	I87	I88	I89	I90
I91	I92	I93	I94	I95	I96	I97	I98	I99	I200



Qedelela iphetheni.

I	(2)	3	(4)	5	(6)	7	(8)	9	(10)
II	(12)	I3	(14)	(15)	(16)	I7	(18)	I9	(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
I01	I02	I03	I04	I05	I06	I07	I08	I09	I10
III	II2	II3	II4	II5	II6	II7	II8	II9	I20
I21	I22	I23	I24	I25	I26	I27	I28	I29	I30
I31	I32	I33	I34	I35	I36	I37	I38	I39	I40
I41	I42	I43	I44	I45	I46	I47	I48	I49	I50
I51	I52	I53	I54	I55	I56	I57	I58	I59	I60
I61	I62	I63	I64	I65	I66	I67	I68	I69	I70
I71	I72	I73	I74	I75	I76	I77	I78	I79	I80
I81	I82	I83	I84	I85	I86	I87	I88	I89	I90
I91	I92	I93	I94	I95	I96	I97	I98	I99	I200



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

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



Zalisa iinomboro ezitlhayelako ukuqedelela iphetheni ebuyeletweko.

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, II, 78, 21, II, 78, 21, II

Gwala iinomboro ngombala  
ukukusiza kobana urarulule  
isibalo.



Zalisa iinomboro ezitlhayelako ukuqedelela iphetheni ebuyeletweko.

55, 21, I9, 63, 55, 55, 21, I9, 63, 55, 21, I9, 63, 55, 21, I9,

I8, 28, 36, I8, 28, 36, I8, 28, 36, I8, 28, 36, I8,

II, 76, II, 76, II, 76, II, 76,

60, 9I, 94, 60, 9I, 94, 60, 9I, 94, 60,

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



Teacher:
Sign:
Date:



## Ukwabelana ngokulingana bekufike emacezwini

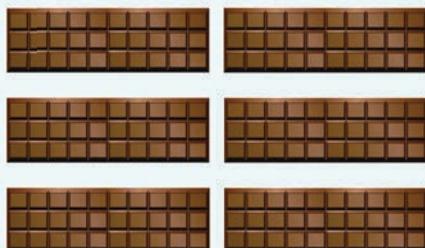
Ilanga:



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



Kwanjesi yabela abentwana abathathu iintinyana zamatjhokoledi ezi-6.



Tjengisa ipendulo yakho ngokwenza umgwalo ngenzasi.



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



Umntwana ngamunye uthola ingcenyeye eyodwa yakuthathu yetjhokoledi.

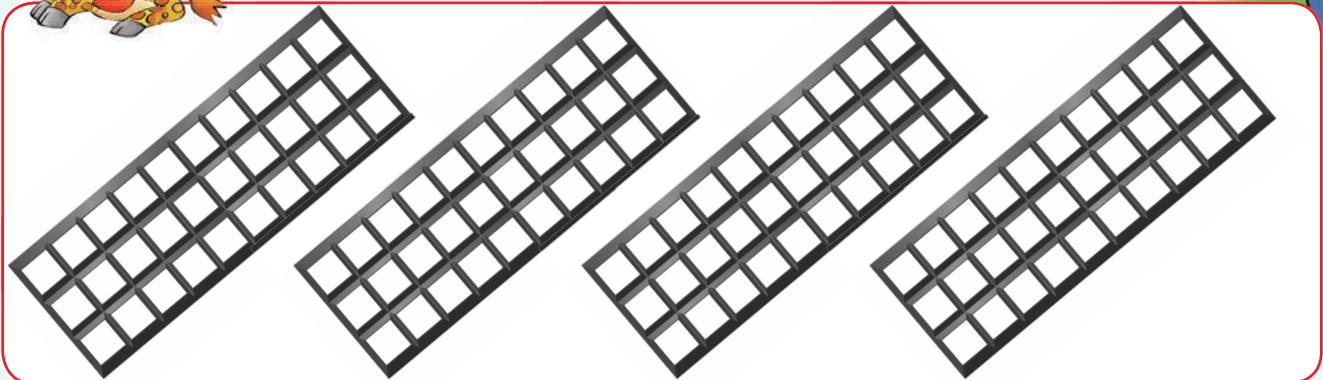
Tjengisa ipendulo yakho ngokugwala umgwalo ngenzasi.

Umntwana munye uzokuthola \_\_\_\_\_

Yamakhkhana wangeenkomitjini.



Khalara ingcenyey eyodwa yekota ematjhokoledini amane la.



Mabhlogo amangaki wamatjhokoledi enza ikota? \_\_\_\_\_

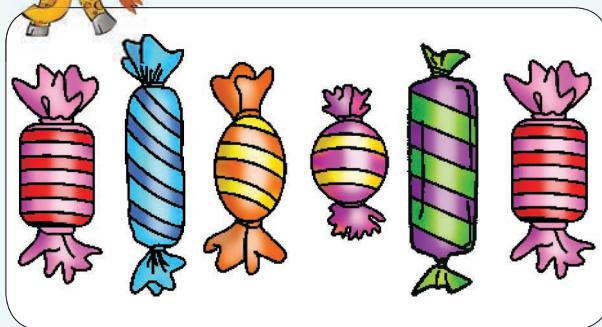
Mabhlogo amangaki wamatjhokoledi enza ingcenyey eyodwa yokwesihlanu? \_\_\_\_\_



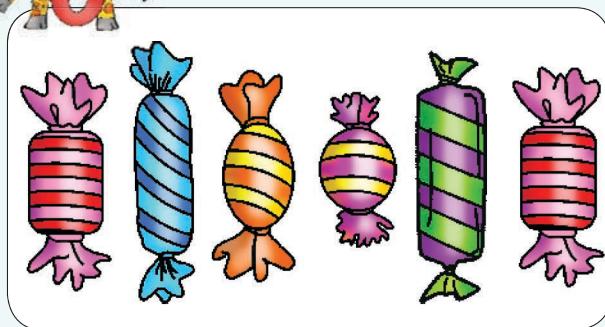
Tjengisa ihafu eyodwa yalokhu okulandelako.



Tjengisa ingcenyey eyodwa yecezu lokwesithathu yamaswidi



Tjengisa ingcenyey eyodwa yecezu lokwesithandathu yamaswidi.

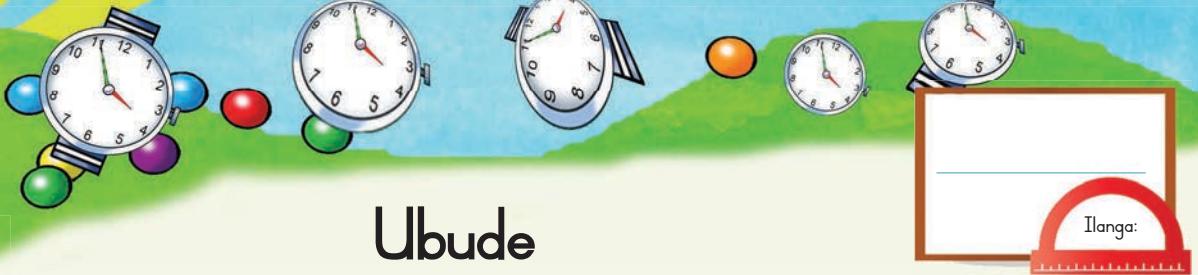


Yabela abangani abane amacezu wetjhokoledi ali-II ukuze bathole boke ngokulinganako boke kungasali litho.



Teacher:
Sign:
Date:

||q



## Ubude



Ngiliphi ihlangothi lakanazine elifitjhani khulu? Elide khulu?

Ilanga:



Ihlangothi elide li \_\_\_\_\_ amakhrayoni.

Ihlangothi elifitjhani li \_\_\_\_\_ amakhrayoni.

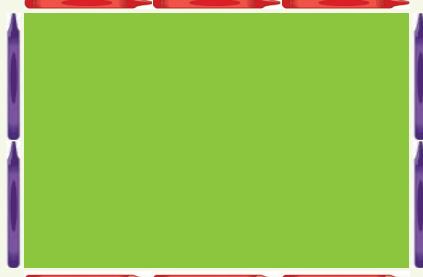


Phendula okulandelako.



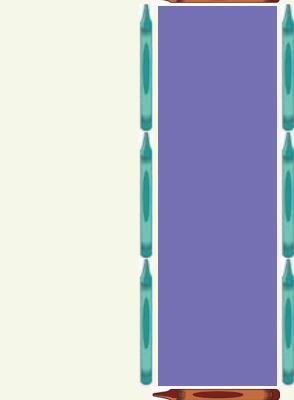
Ihlangothi elide li \_\_\_\_\_ amakhrayoni.

Ihlangothi elifitjhani li \_\_\_\_\_ amakhrayoni.



Ihlangothi elide li \_\_\_\_\_ amakhrayoni.

Ihlangothi elifitjhani li \_\_\_\_\_ amakhrayoni.



Ihlangothi elide li \_\_\_\_\_ amakhrayoni.

Ihlangothi elifitjhani li \_\_\_\_\_ amakhrayoni.

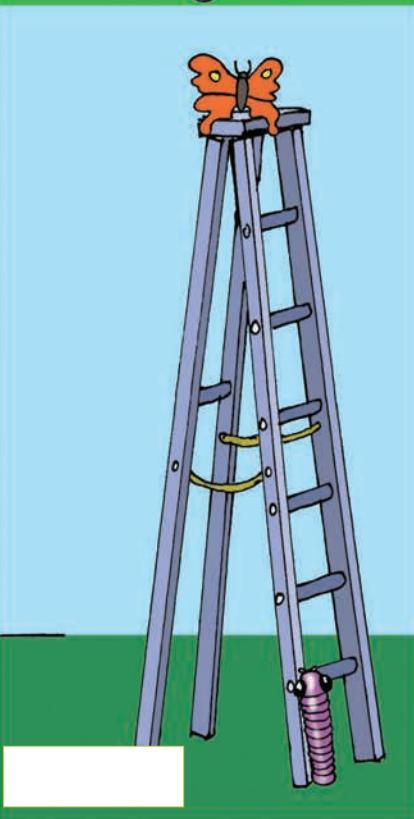
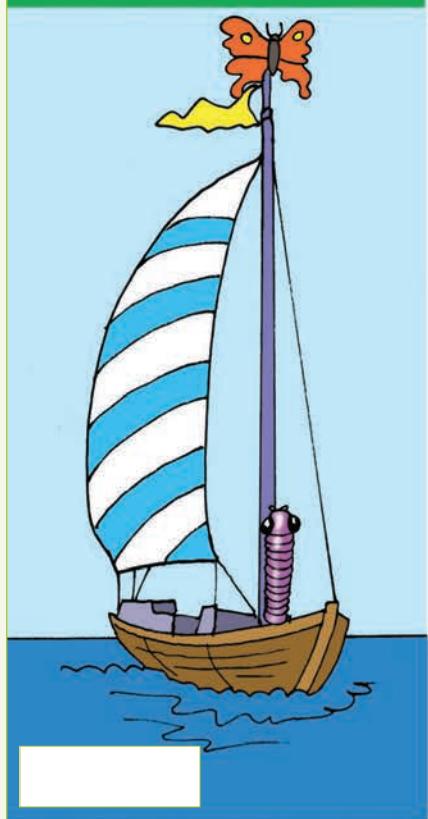
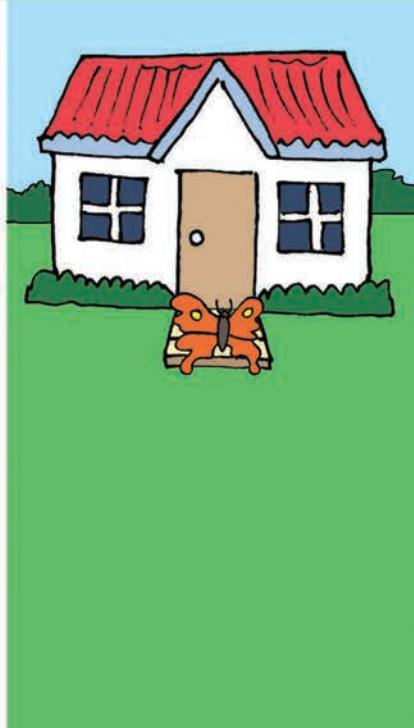
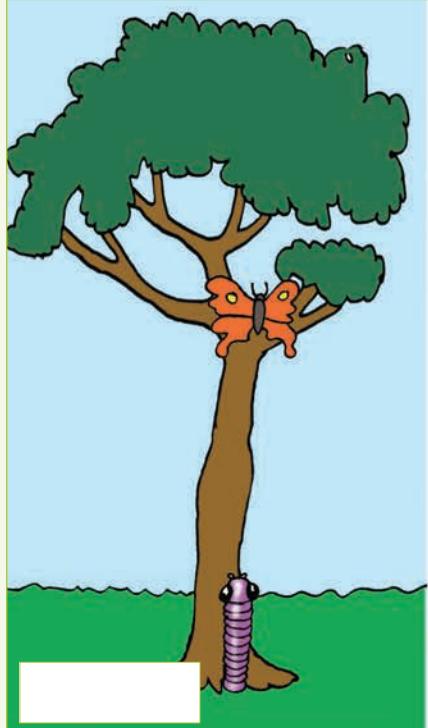


Ihlangothi elide li \_\_\_\_\_ amakhrayoni.

Ihlangothi elifitjhani li \_\_\_\_\_ amakhrayoni.



Kuzokuthatha iimbungu ezingaki ukufika eviyaviyaneni?



Teacher:
Sign:
Date:

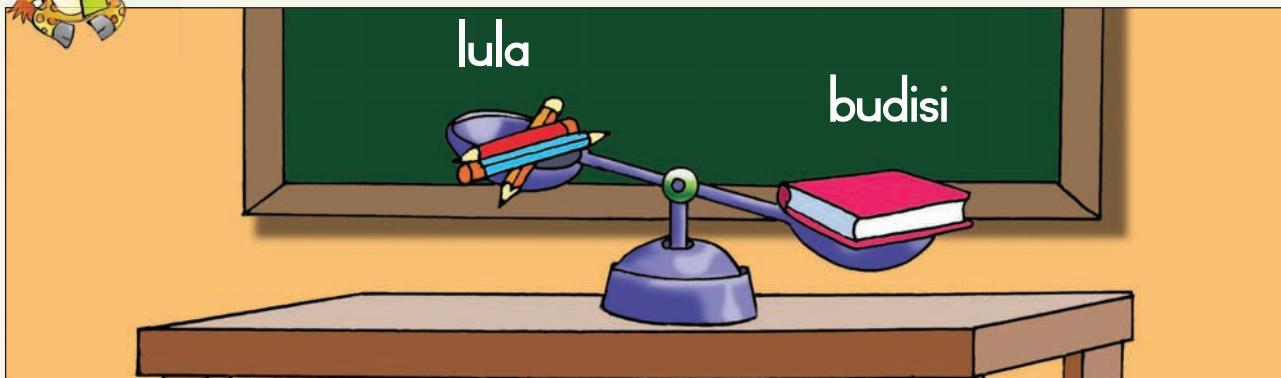


## Okubudisi nokulula

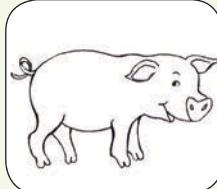
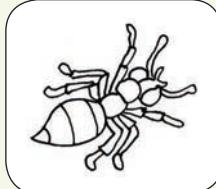
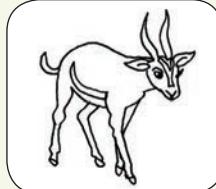
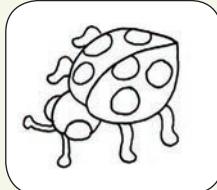
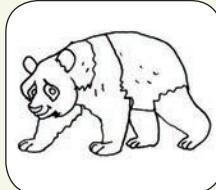
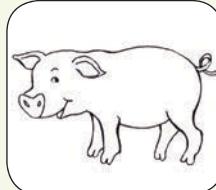
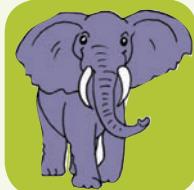
Ilanga:



Kutjho ukuthini ukuba budisi nokubalula?



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



Qala isithombe.

Thola iinthombe zezinto ezihlanu ezibudisi. zinamathisele lapha.



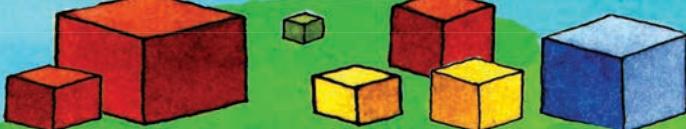
Qala isithombe.

Thola iinthombe zezinto ezihlanu ezilula. zinamathisele lapha.

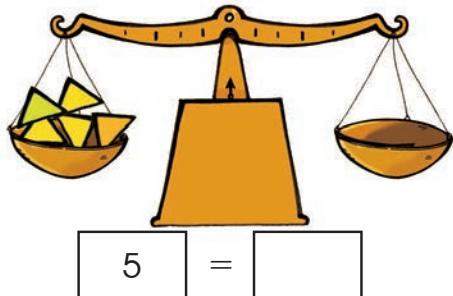




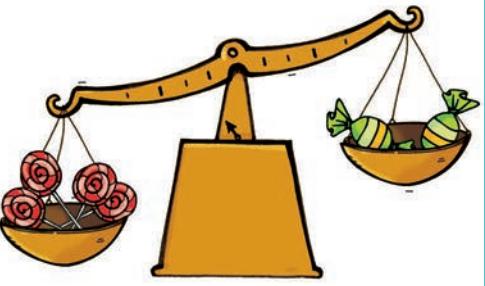
Yitjho nangabe iinkeyili zokulinganisa ziyingana nanyana azilingani.



Yenza kobana iinkala zokulinganisa zilingane. Gwala ngaphakathi kweenkali ezinganalitho.



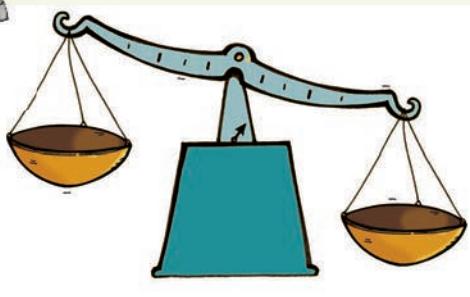
$$5 = \boxed{\phantom{0}}$$



$$\boxed{\phantom{0}} = \boxed{\phantom{0}}$$



Gwala imigwalo ukwenza iinkala zokulinganisa zibeliqiniso.



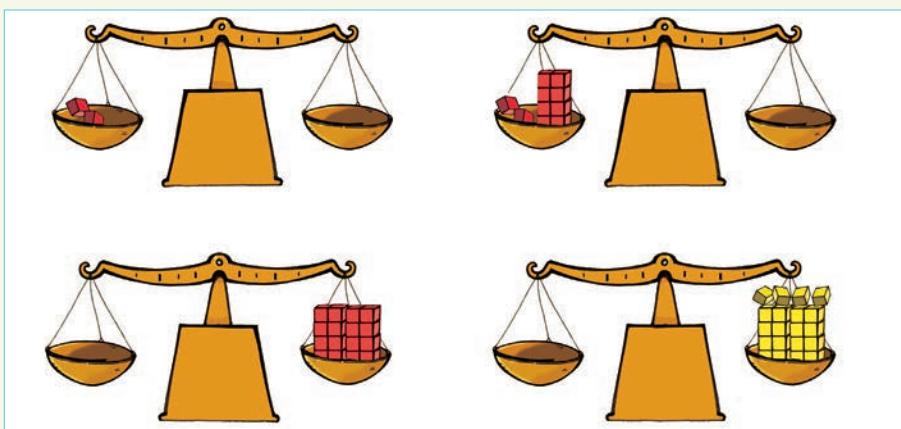
$$\boxed{\phantom{0}} = \boxed{\phantom{0}}$$



$$\boxed{\phantom{0}} = \boxed{\phantom{0}}$$



Yenza kobana iinkala zokulinganisa zilingane nangabe  $\textcolor{red}{\square} = \textcolor{yellow}{\square} \textcolor{yellow}{\square}$



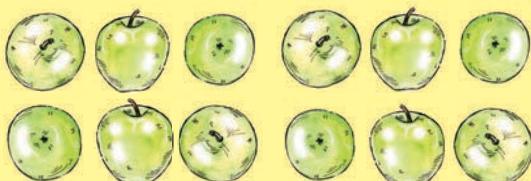
Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



## Ukwabelana ngokulingana bekufike emacezwini

Ilanga:

Yabelana nabangani abathathu ama-apula la.



Munye ufunyana ama-apula amangaki?

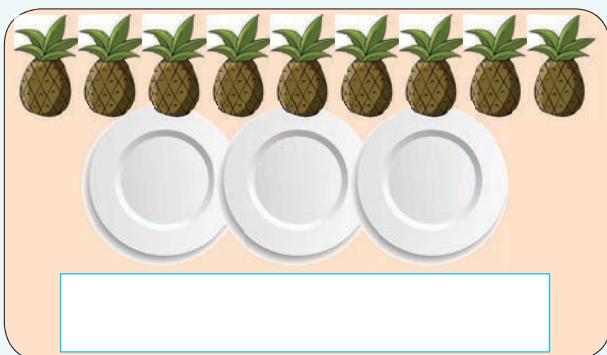
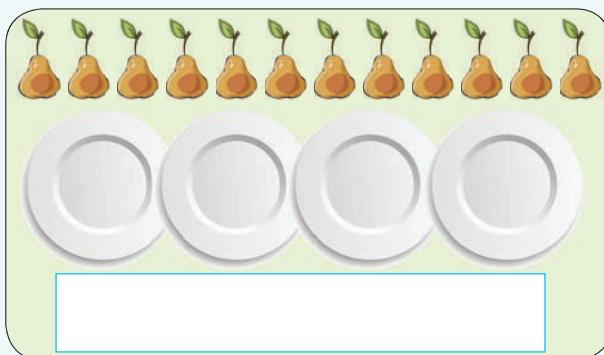
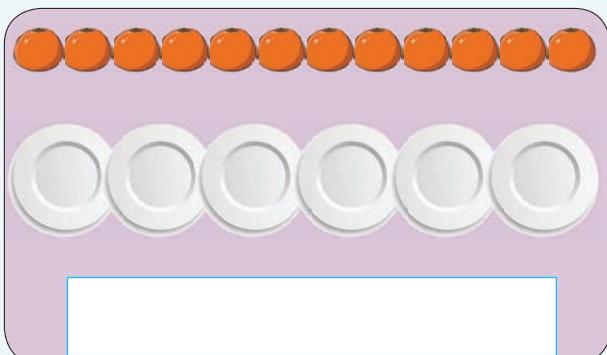
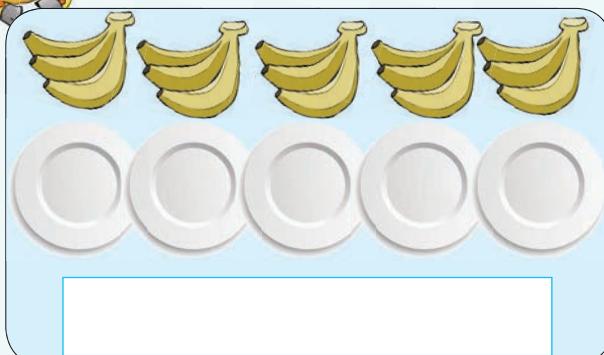
Amane

Ngamunye ufunyane amacezu amangaki  
we-apula? Ingcenyeye 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-I2. UKiki wenza ijuzi  
ngengcenyeye eyodwa yesithathu yamalamune.  
Usebenzise amalamune amangaki?



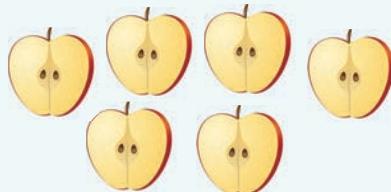


Ama-apula amathathu



asikwe phakathi abayihafu.

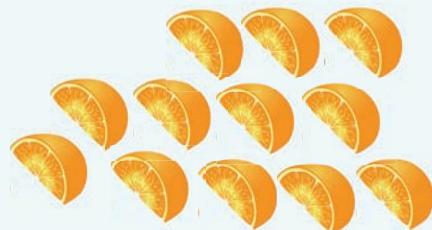
Bentwana abangaki ngamunye ongafunyana ihafu  
eyodwa? \_\_\_\_\_



Amalamune amane



asikwe aba ziingcezi zokwesithathu.



Bentwana abangaki abangathola incenye yinye yakuthathu?



Amakhabe amabili



asikwe aba ziingcezu zokwesithandathu.



Bentwana abangaki abangafunyana icezu eliodwa lokwesithandathu? \_\_\_\_\_



Umbanduli wenetbholo unikela umdlali ngamunye ihafu yelamune.

Kunabadlali aba-14. Utlhoga amalamune amangaki?



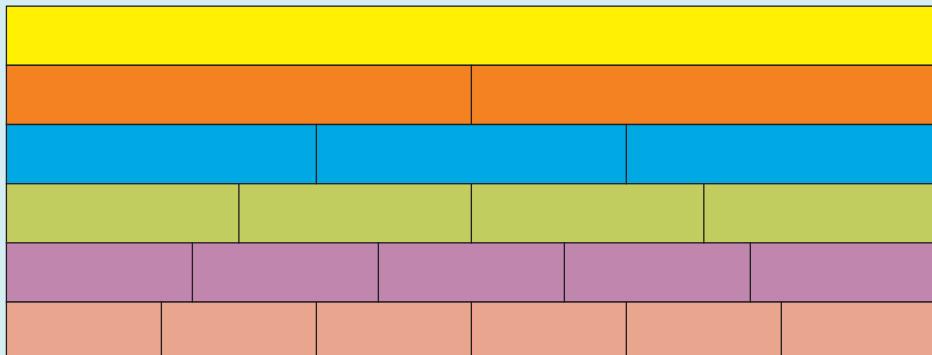
Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



## Amacezu

Ilanga:

Umtletlana ngamunye utjho ukuthini? Amagama angesidleni angakusiza.



ingcenyeyodwa  
yokwesithathu

ingcenyeyodwa  
yokwesihlanu

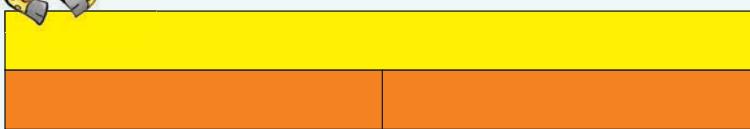
ihafu

ikota

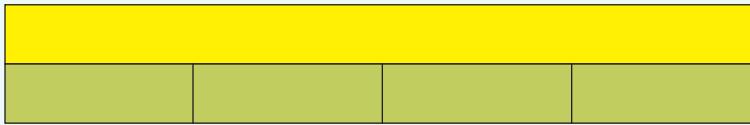
ingcenyeyodwa  
yokwesithandathu



Qedeleta lokhu okulandelako.



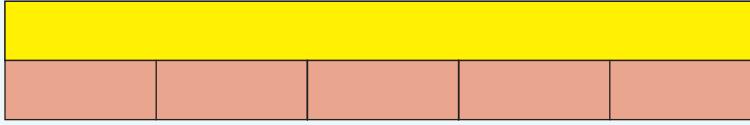
Abohafu aba-2 bafana \_\_\_\_\_  
okupheleleko.



Amakota ama-4 afana \_\_\_\_\_  
okupheleleko.



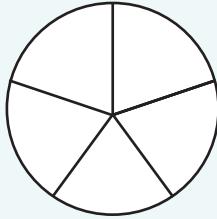
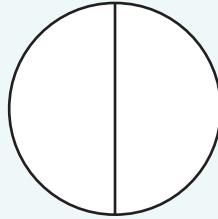
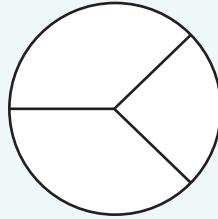
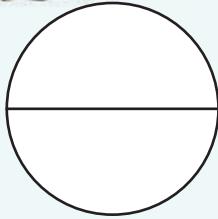
Iingcenyeyodwa zokwesithathu  
ziyafana \_\_\_\_\_ okupheleleko.

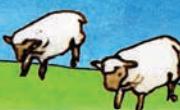


Iingcenyeyodwa zokwesihlanu ziyafana  
\_\_\_\_\_ okupheleleko.

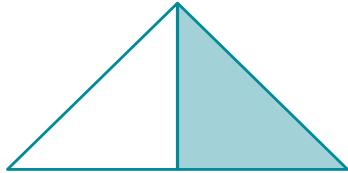


Khalara lokhu okulandelako. Ngikuphi okuyeletlako?

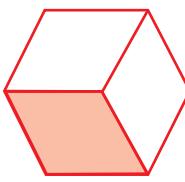




Yitjho kobana ubujamo ngabunye  
obufiphaziweko bulicezu liphilobujamo. Tlola ngamagama.



ihafu



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

ingcenyeyodwa  
yokwesithathu

ihafu

ikota

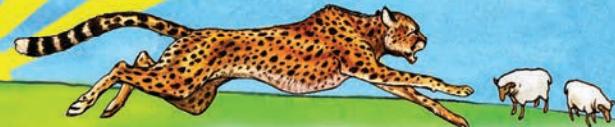
ingcenyeyodwa  
yokwesihlanu

Buza umma wakho nanyana umtlhogomeli wakho kobana yena uyokuthenga ini:

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





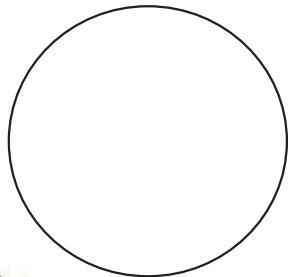
## Okunengi ngamacezu

Wena ungakhetha icezu kiliphi ikhekhe? Kubayini

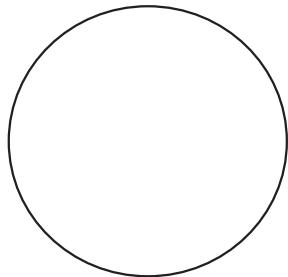


Umngani wakho ukubawe bonyana uhlukanise ipitsa ngamacezu alinganako. Yenza umgwalo ukuze utjengise yinye.

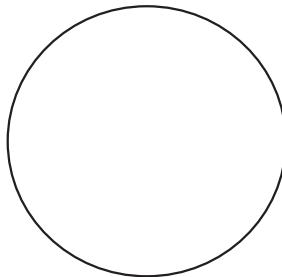
Abohafu



Okukodwa kokuthathu



Amakota



Thika ipendulo enembako.

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

- Ingcenyeyodwa yehafu yepizza nanyana
- ipizza eyodwa epheleleko?

UThabo, uSipho no John badle ingcenyeyodwa yokwesithathu yepizza. Badle ipizza engangani?

- Ingcenyeyodwa yokwesithathu yepizza nanyana
- ipizza epheleleko?

ULindi, uSusa, uLerato no Palesa badle ipizza epheleleko yoke. Badle kangangani?

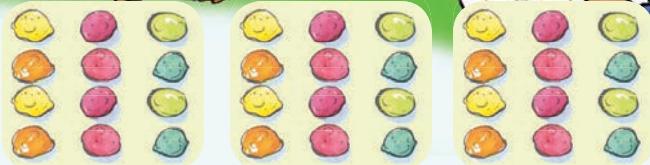
- Ikota eyodwa nanyana
- amakota amane?

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? \_\_\_\_\_



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?	Iingceny ezimbili zabohafu	Iingceny ezintathu zokwesithathu	Amakota amane



Khalara icezu elifana patsi nokukodwa okupheleleko.

Amakota amane

Iingceny  
eyodwa yokwesithathu

Iingceny  
ezimbili zamakota

Ihafu eyodwa

Iingceny  
ezintathu zamakota

Ikota eyodwa

Abohafu ababili

Iingceny  
eyodwa yokwesithathu

Iingceny  
ezimbili zakwesihlanu

Iingceny  
ezimbili zokwesihlanu

Iingceny  
ezimbili zokwesithathu

Iingceny  
ezintathu zokwesihlanu

Iingceny  
ezihlanu zakwesihlanu

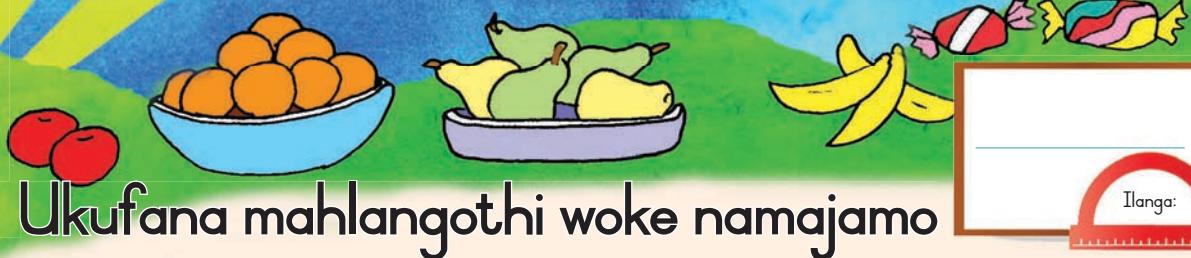
Iingceny  
ezine zokwesihlanu

Iingceny  
ezintathu zakwesithathu

Wena ungakhetha ini? Iingceny  
ezine zamakota wetjhokoledi nanyana iingceny  
eyodwa epheleleko yetjhokoledi. Kubayini?



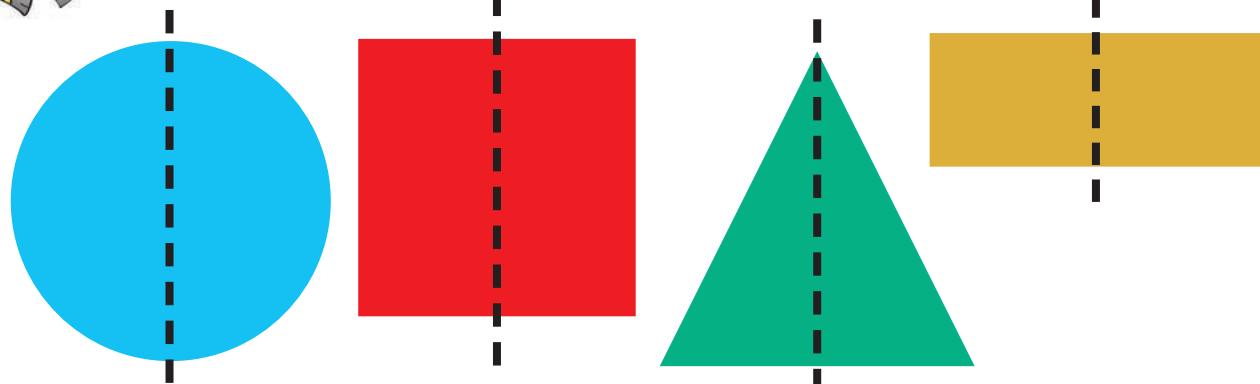


## Ukufana mahlangothi woke namajamo

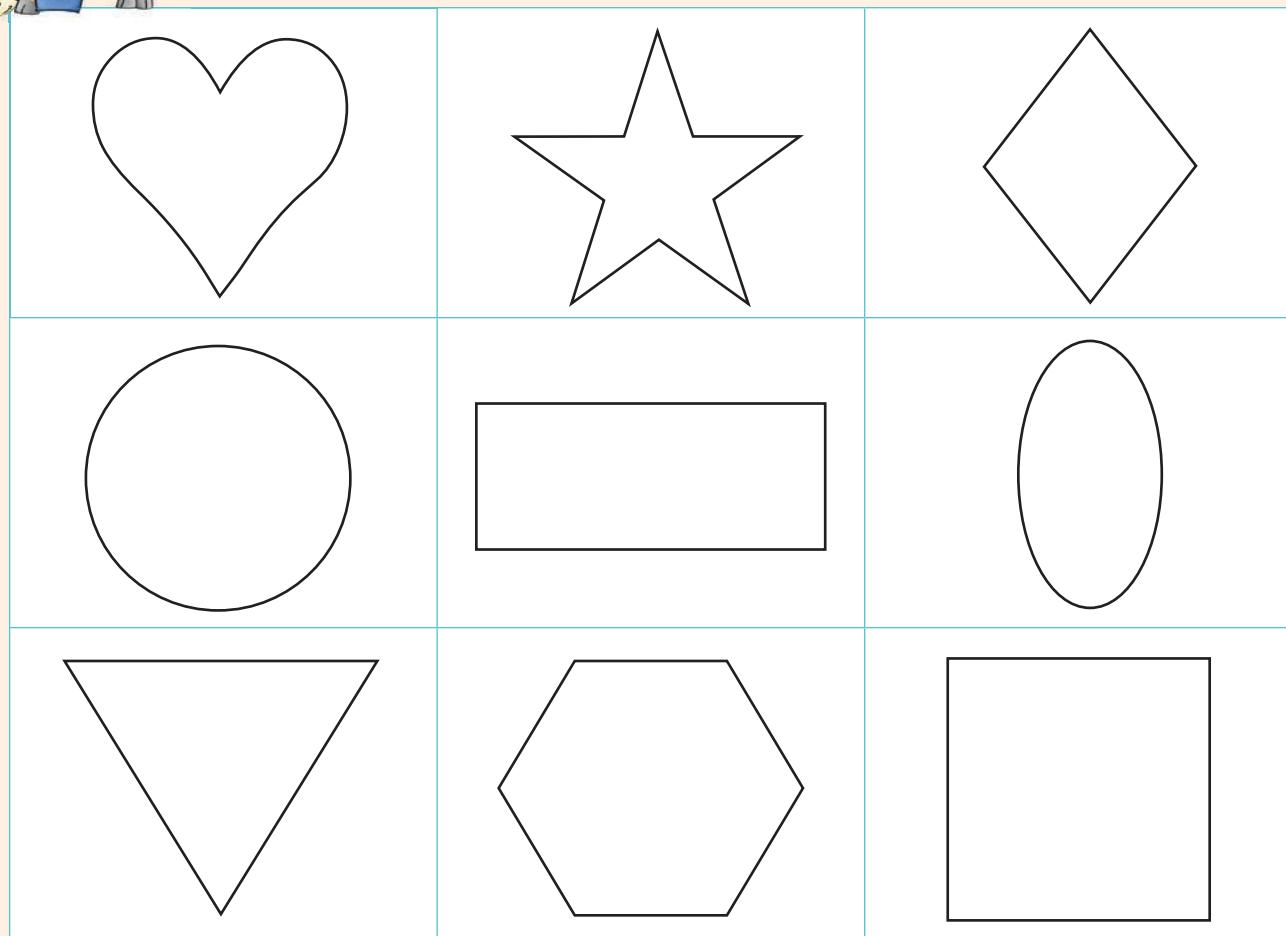
Ilanga:



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

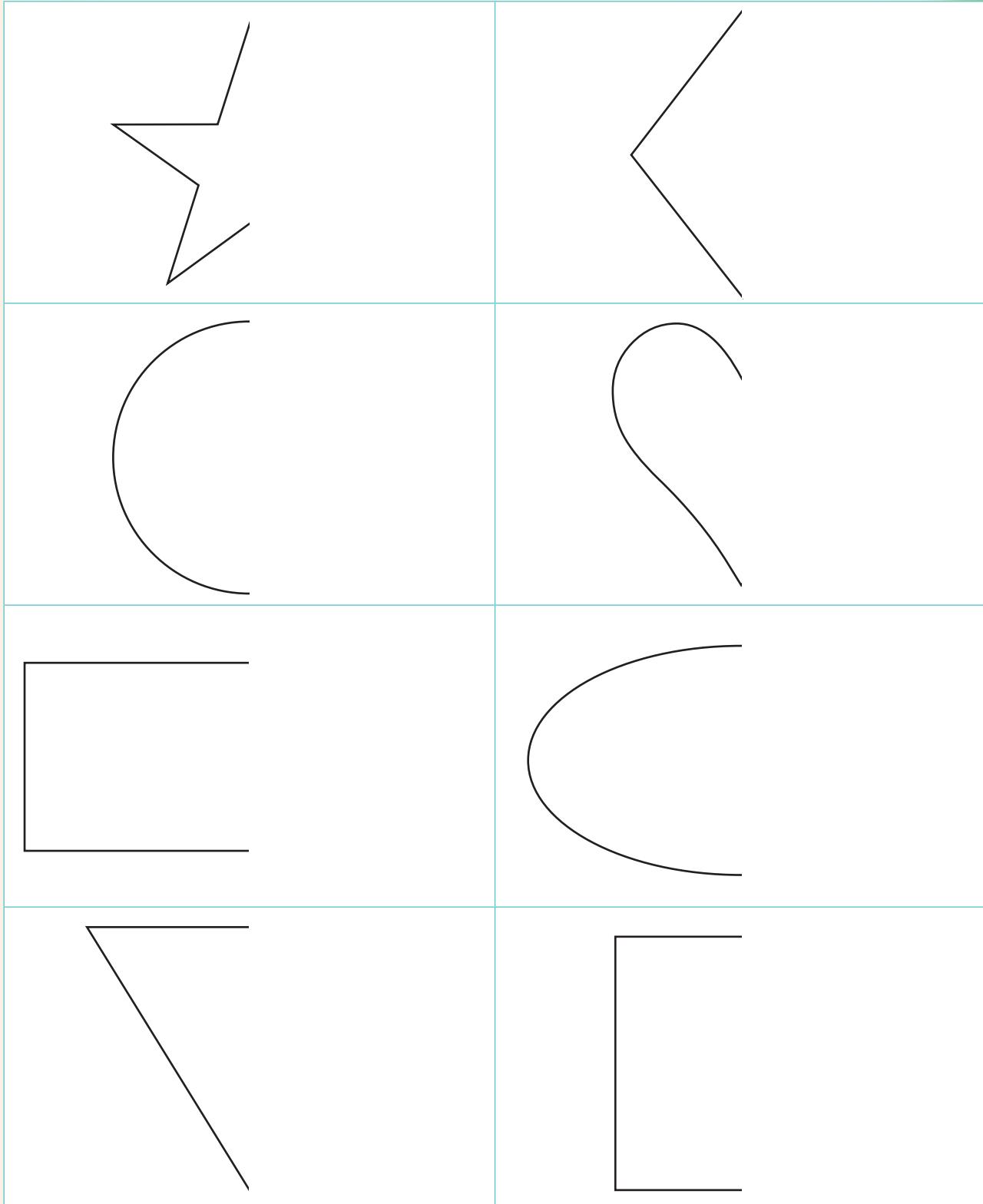


Gwala umuda ukuze elinye ihlangothi lilingane nelinye.





Gwala elinye ihangothi lejamo leli.



Teacher:
Sign:
Date:



## Ukuhlela kanye namacezu

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

Le yikholomu.



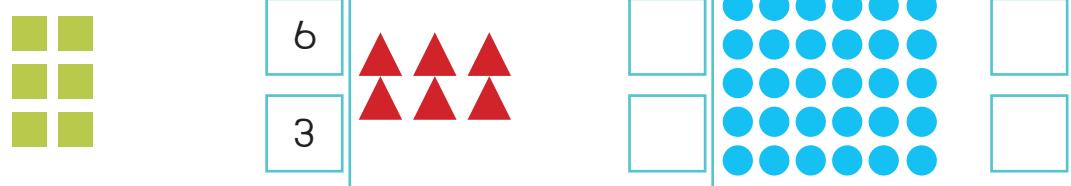
Lo mumuda.



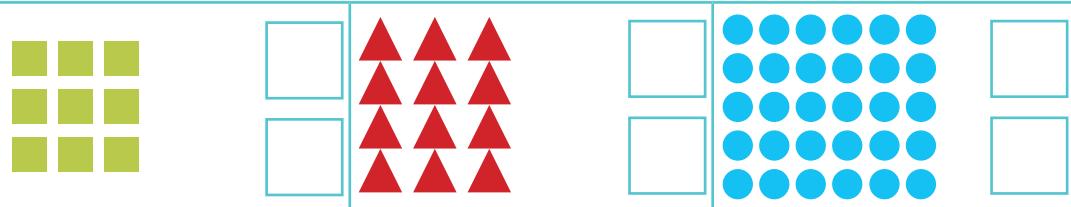
Uwasebenzise njani amakholomu kanye nemida ukukusiza?



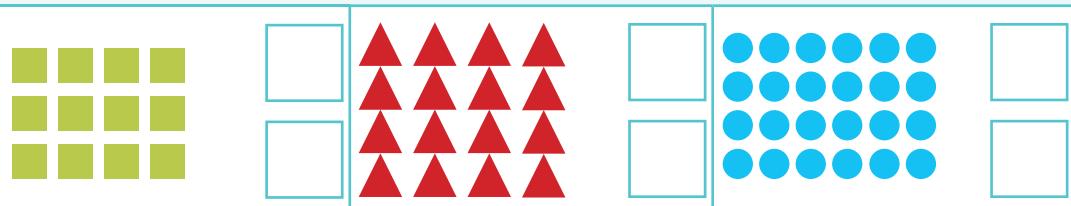
Kunamabumbeko amangaki lapho? Iyini ingcenyeye eyodwa yehafu emabumbekweni?



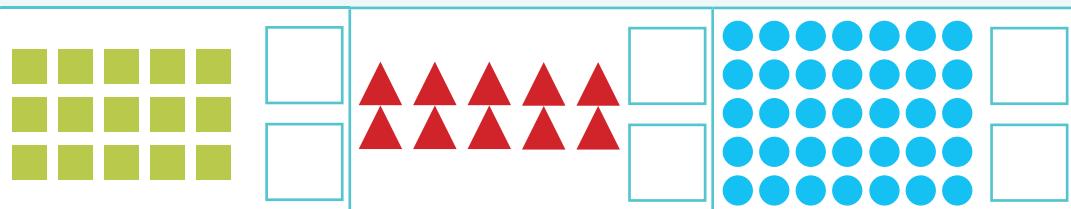
Kunamabumbeko amangaki lapho? Iyini ingcenyeye yokwesithathu yamabumbeko?



Kunamabumbeko amangaki lapho? Iyini ingcenyeye eyodwa yekota yamabumbeko?



Kunamabumbeko amangaki lapho? Iyini ingcenyeye eyodwa yokwesihlanu yamabumbeko?





Qedeleta itheyibula elingenzasi.

	Umutjho weenomboro zokubuyabuyeleta	Umutjho weenomboro zokuhlukaniswa	Iyini	Iyini
	$2 \times 3 = 6$ nanyana $3 \times 2 = 6$	$6 \div 2 = 3$ nanyana $6 \div 3 = 2$	Ingcenyeye yehafu yezinto lezi? 3	Ingcenyeye eyodwa yokwesithathu yezinto? 2
			Ingcenyeye eyodwa yokwesithathu yezinto?	Ikota eyodwa yezinto?
			Ikota eyodwa yezinto?	Ingcenyeye eyodwa yokwesihlanu yezinto?

Sebenzisa ukuhlela ukutjengisa:



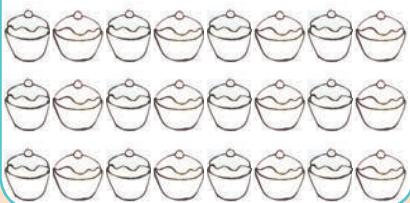
Ikota eyodwa  
yamaswidi ali-12.

Ingcenyeye eyodwa  
yokwesithathu yamaswidi ali-12

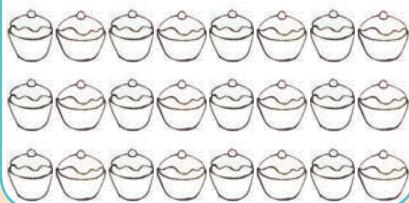
Ihafu yamaswidi ali-12

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

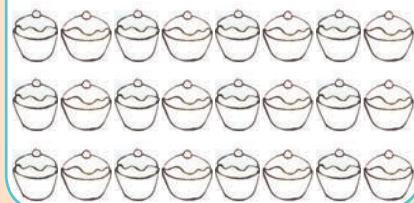
Ihafu eyodwa yesitrowubheri bese  
kuthi ingcenyeye esepleko yoke kube  
yivanila.



Ikota eyodwa yetjhokoledi  
bese kuthi ingcenyeye  
esepleko yoke kube yivanila.



Ingcenyeye eyodwa yokwesithathu  
yekharameli bese kuthi ingcenyeye  
esepleko yoke kube yivanila



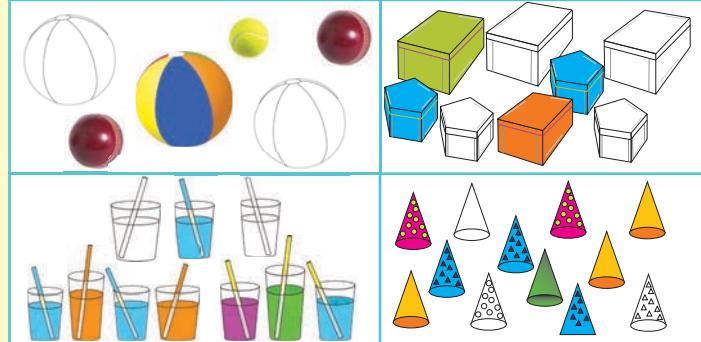


## Icezu ngezinto ezibuthelelweko

Ilanga:

Qala ehlathululweni bese umadanisa nesithombe ukuze utjengise kobana licezu liphi lento elikhalarieweko. Khulumha ngalokhu.

Ihafu eyodwa yezinto ezibuthelelweko



Ingcenyeyodwa yokwesithathu yezinto ezibuthelelweko

Ikota eyodwa yezinto ezibuthelelweko

Ingcenyeyodwa yokwesihlanu yezinto ezibuthelelweko



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





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.

Uneenkhetha 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 elisemakhkheni wangeenkomitjini ane-ayisingi yebbanana?

I-ayisinghi yestrowubheri?  I-ayisinghi yebhabulgamu?



Teacher:	<input type="text"/>
Sign:	<input type="text"/>
Date:	<input type="text"/>

127



Ukufana

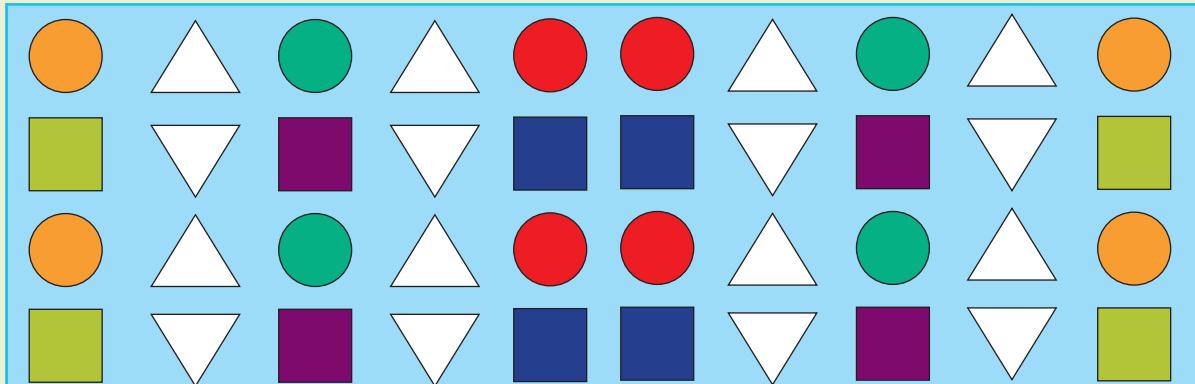


## mahlangothi woke kumaphethini

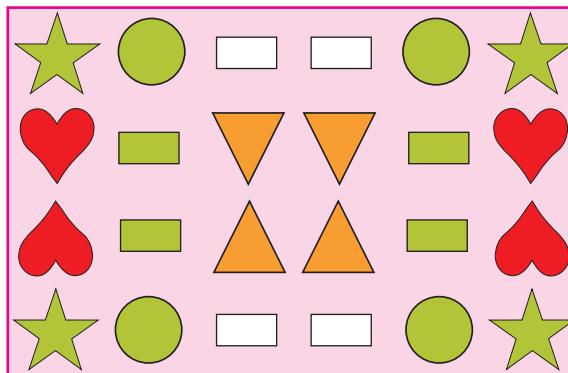
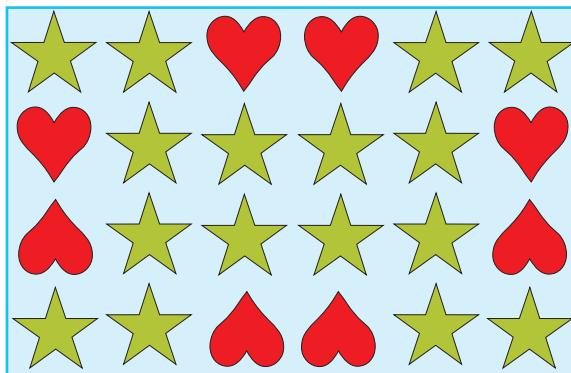
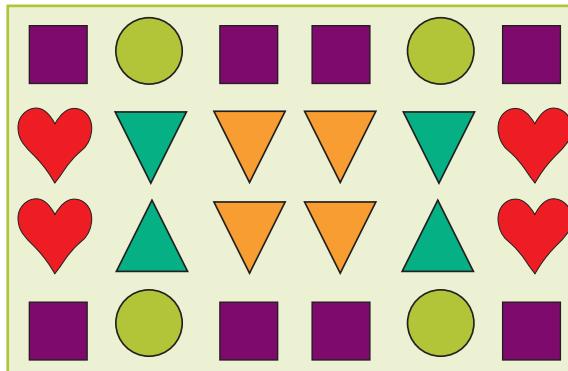
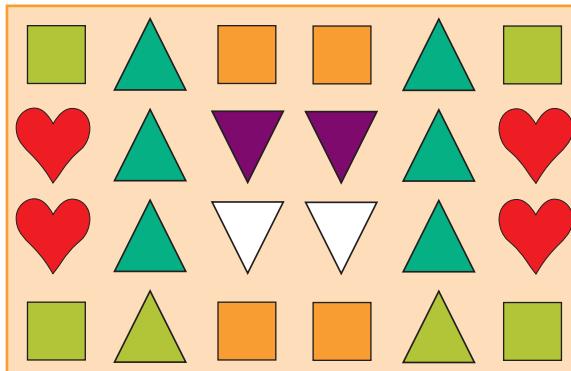
Ilanga:

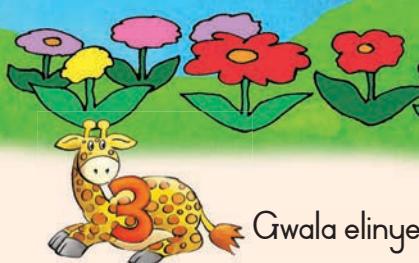
Qala iinthombe zeensiba. Ngikuphi okubonako?

Ithemu 4

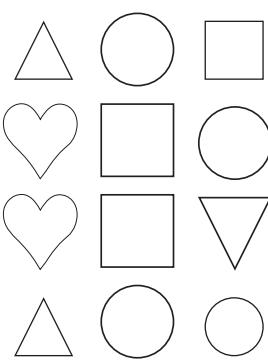
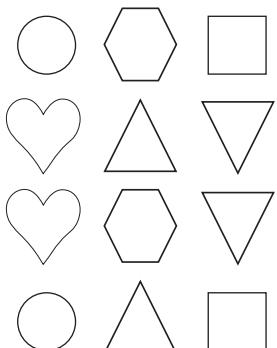
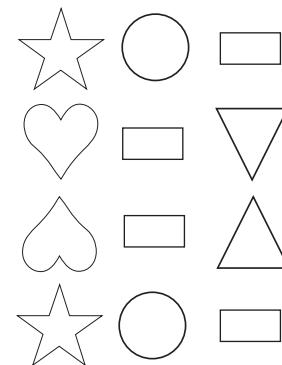
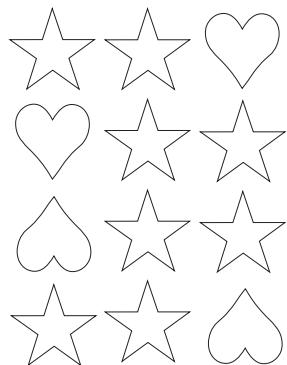
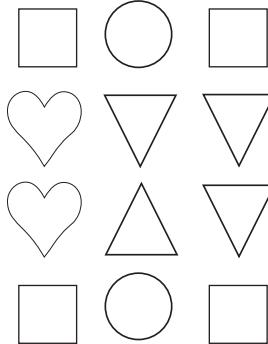
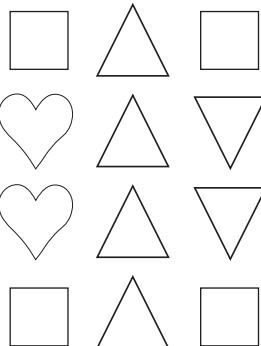


Gwala umuda ukuze elinye nelinye ihlangothi leensiba lezi lifane nelinye.





Gwala elinye ihlangothi leensiba. Akhalare.



Teacher:
Sign:
Date:

## Okhunye ukubandeka-bulingana

Qala iinthombe zabuso.  
Ingabe ihlangothi lobuso lobuso ifana nelinye ihlangothi?

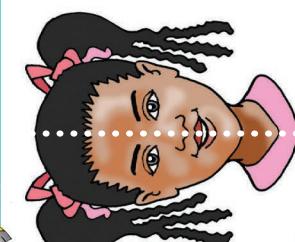
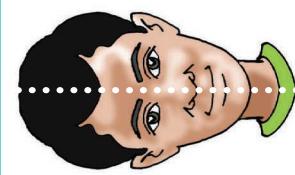
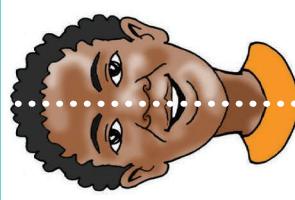


Ieng:

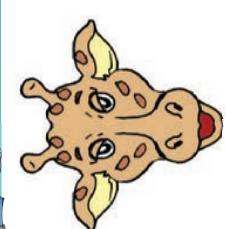

Qala iinthombe zamqamo. Ingabe ihlangothi lobondakalifana namanye amahlangothi? Ingabe ayafana mahlangothi wote?



Itihemu 4



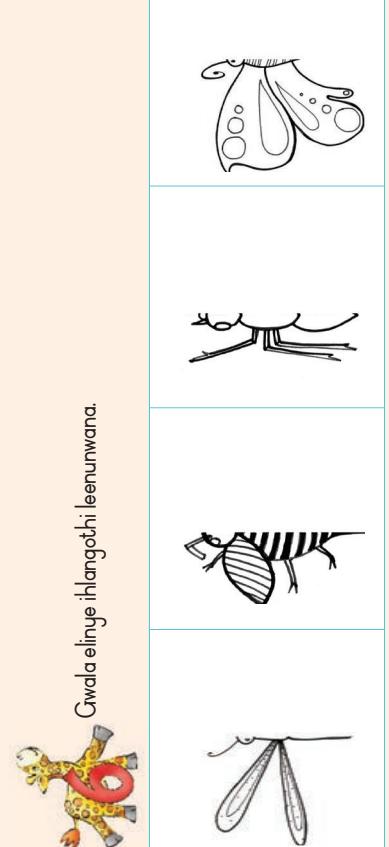
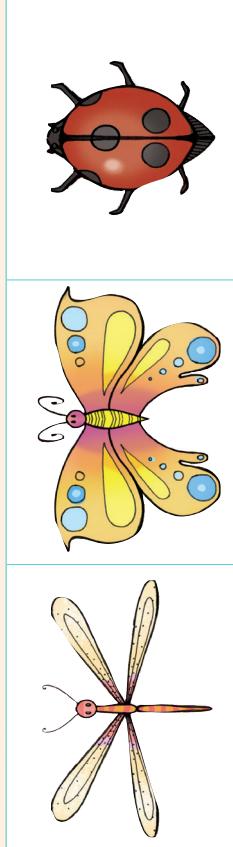
Gwala umuda ukuze amahlangothi womibili wobuso ifane.



Gwala elinye ihlangothi lobuso iphat henri yeenomboro izokusiza.



Gwala umuda ukuze ihlangothi ellidwa lenunwana ifane nelinye.



1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20