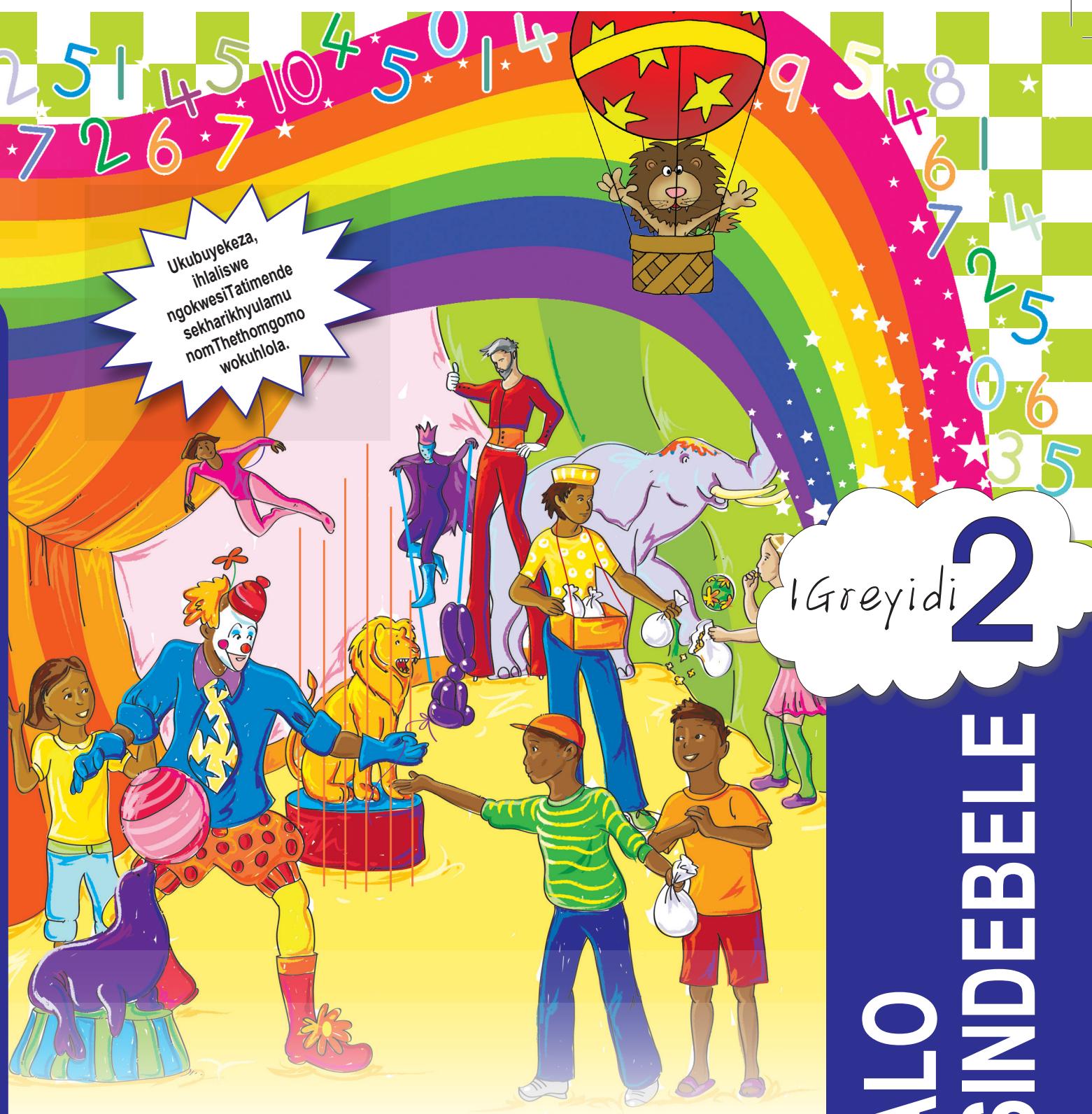


# 2

# IMBALO NGESINDEBELE

Inowadi 2  
Ithemu  
3 & 4



IMBALO NGESINDEBELE – iGreyidi 2 Incwadi 2

ISBN 978-1-4315-0140-3



**basic education**  
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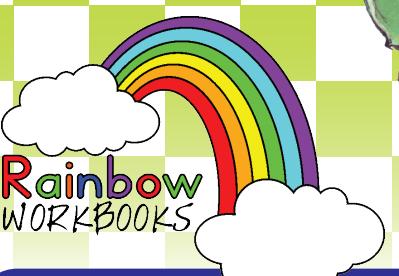
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GRADE 2 – BOOK 2  
TERMS 3 & 4  
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1 2 3 4

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UKkz. Angie Motshekga,  
nguNqgonqgotjhe  
weFundu-Sisekelo



UNom. Enver Surty,  
nguSekela  
kaNqgonqgotjhe  
weFundu-Sisekelo

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

Iincwadi zokuSebenzela zakwaRainbow ziyingcenye yeendlela ezinengi zomNyango wezeFundu-Sisekelo wokungenelela ongophe ukuthuthukisa ukusebenza ngcono kwabafundi beSewula Afrika kumagreyidi wokuthoma asithandathu. Njengamanye wamaHlelo womBuso aphuma phambili, iphrojekthi le isekelwe ngeemali ezibuya esikhwameni seeMali seLizwelo. Lokhu kusize umNyango ukukhupha iincwadi zokusebenzela lezi ngawo woke amalimi asemthethweni ngaphandle kweendleko. Siyathemba kobana nizokufunyana iincwadi zokusebenzela lezi zilisizo khulu ekufundiseni kwenu kwangamalanga kanye nokuqinisekisa kobana abafundi benu bayayiqeda ikharikhyulamu.

Sitjheje khudlwana ukuhlahla abotitjhore komunye nomunye umsebenzi ngokusebenzisa iinthombe ezitjengisako bona ngikuphi umfundi amelete akwenze.

Siyathemba kobana abentwana bazokuthabela ukusebenzisa iincwadi lezi njengombana bakhula bebefunda nje begodu wena titjhore uzokwabelana nabo ithabo lokufunda.

Sinifisela ipumelelo ekusebenziseni iincwadi lezi.



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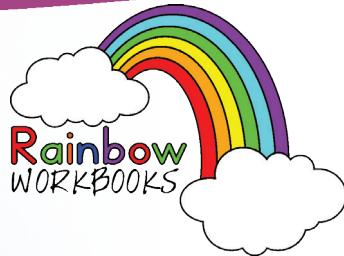
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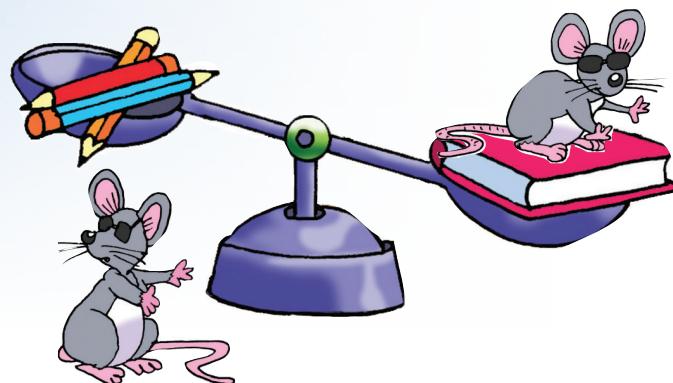
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# IBanga 2



i m b a l o

Incwadi le ngeyaka-:

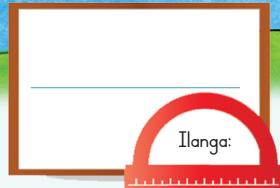
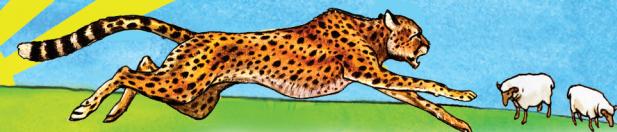


ISINDEBELE

Incwadi

2

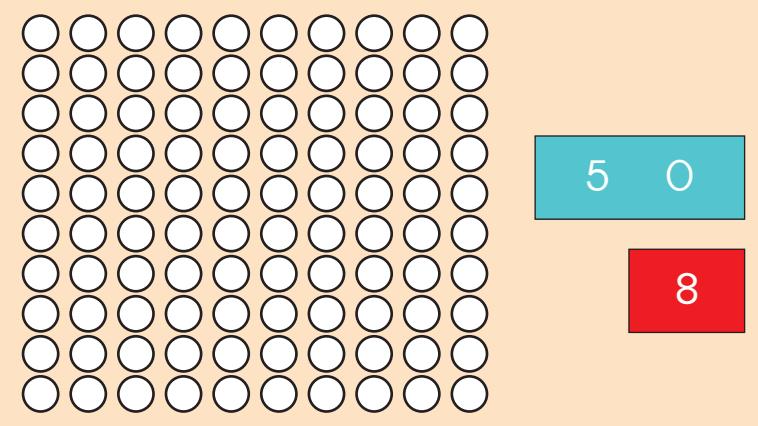
65



## Iinomboro 50 – qq

Ithemu 3

Khalara ngaphakathi kweeyingi ezi-58.



Tlola ipendulo. Isibonelo sokuthoma sizokuhlahla.

$60 + 8 = 68$ 	=	$80 + 6 =$	=	$50 + 3 =$
$70 + 1 =$	=	$90 + 5 =$	=	$60 + 9 =$



Tlola iimpendulo zemibuzo engehla ngamagama:

amatjhumi asithandathu nobunane

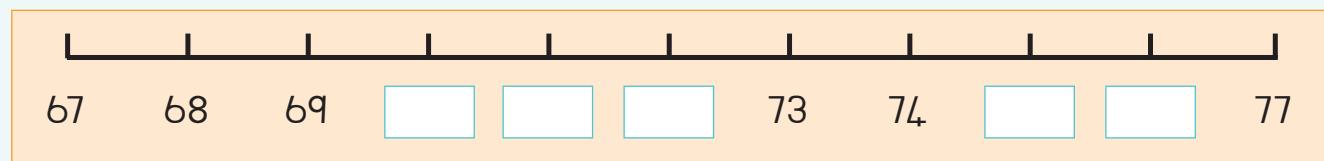
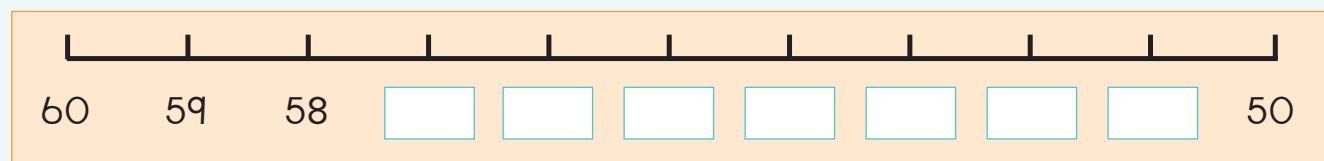
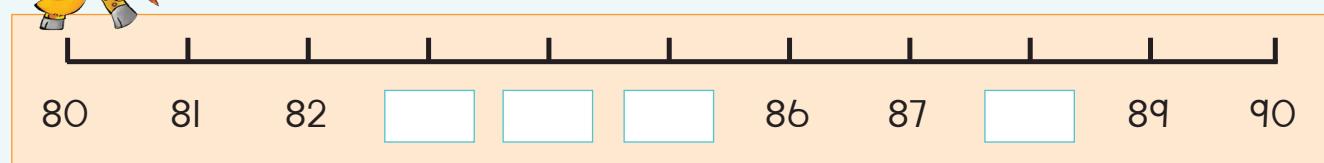


Tlola iinomboro ezimbili ezincani neenomboro ezimbili ezikulu  
kunaleyko enikelweko.

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



Qedelela amanambalayini alandelako.

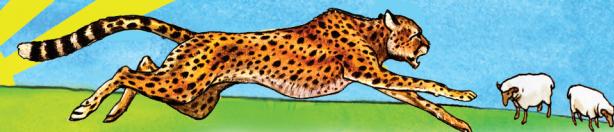


Sika iinomboro ezintathu ezihangana kwama-50 kanye nama-99 kumamegazini.  
Zinamathisele lapha.



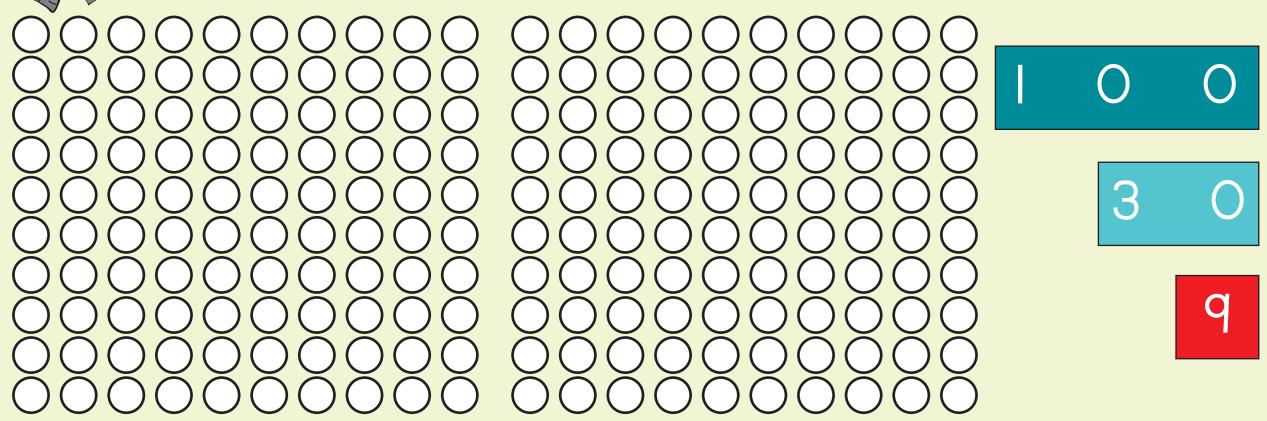
Teacher:
Sign:
Date:

bb



## Iinomboro 100–150

Khalara ngaphakathi kwesiyingi se-139.



Tlola inomboro ejamele:

$1 \ 0 \ 0$ $2 \ 0$ $= 128$	$1 \ 0 \ 0$ $4 \ 0$ $=$	$1 \ 0 \ 0$ $4 \ 0$ $=$
$1 \ 0 \ 0$ $5 \ 0$ $=$	$1 \ 0 \ 0$ $2 \ 0$ $=$	$1 \ 0 \ 0$ $3 \ 0$ $=$



Ngiziphi iinomboro eziza hlangana:

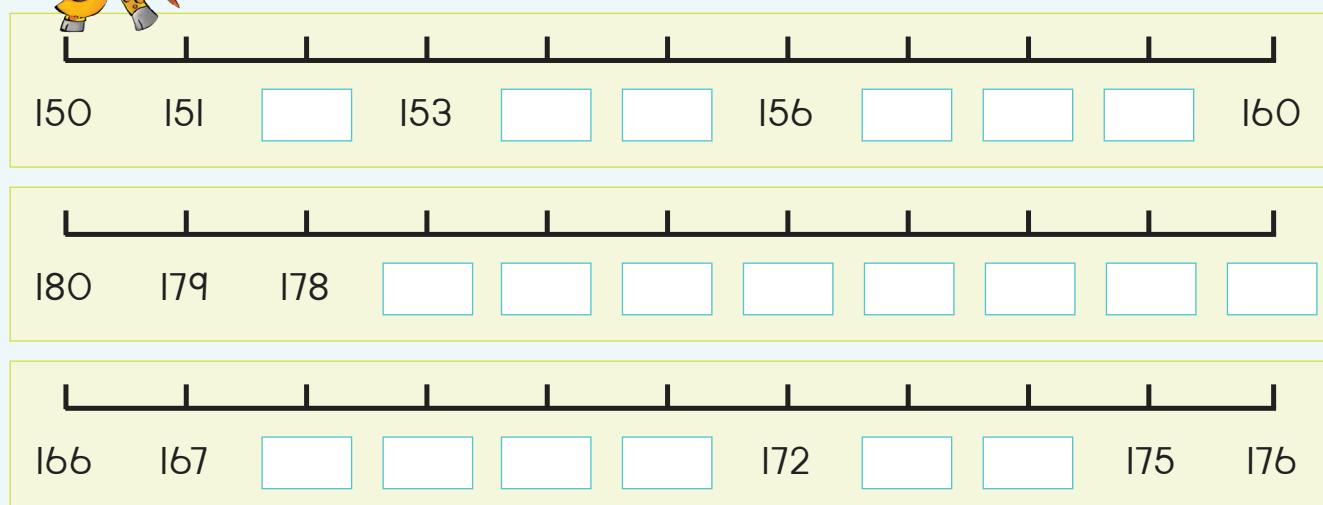


Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu  
kunenomboro enikelweko.

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



Qedelela amanambalayini alandelako.



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

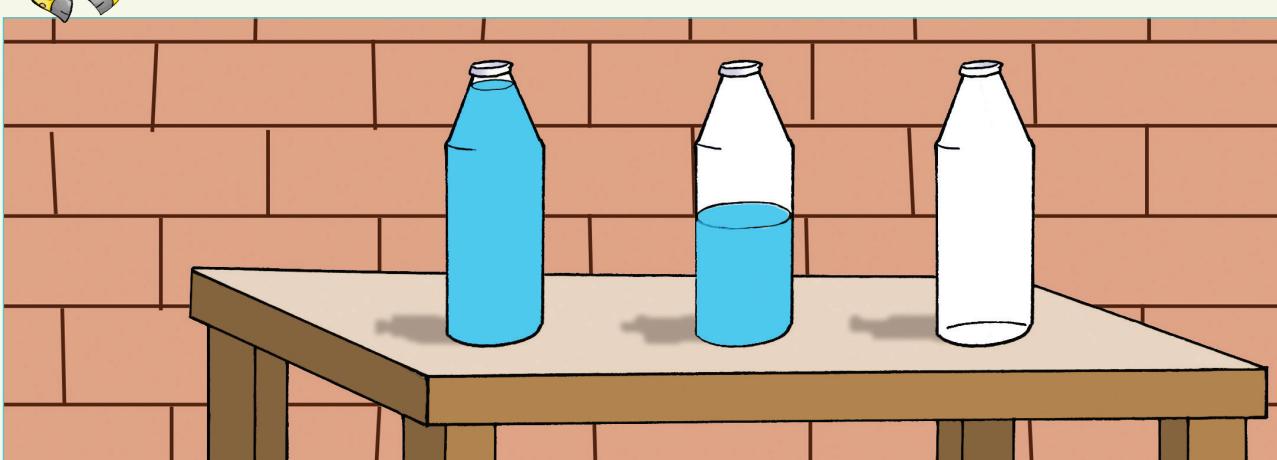


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## Zeleko, isikhekhe, akunalitho

Khulumani ngamabhodlelo aphezu kwetafula lakatitjhore.

Ithemu 3



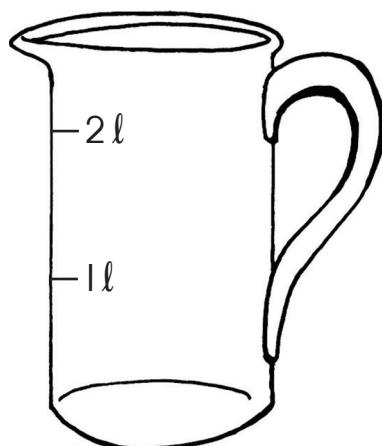
Yitjho nangabe isimumathi sizele, sisikhkhe nanyana asinalitho.



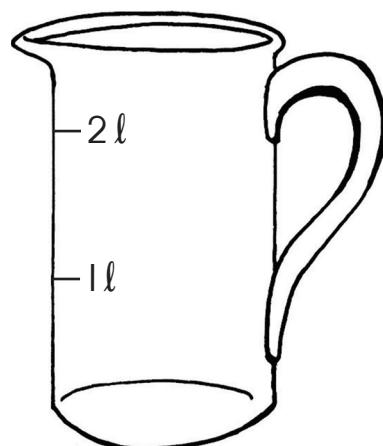


Khalara ukutjengisa kobana kunetlelezi elingangani ngesimumathini.

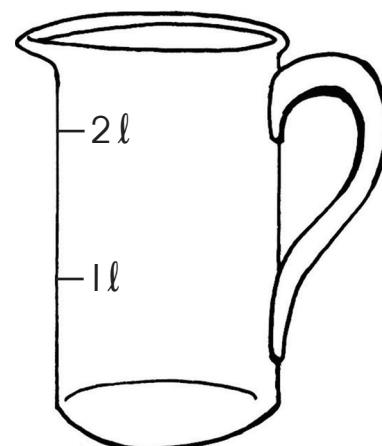
Kuzele



Sikhhekhe



Akunalitho



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

Kuzele

Sikhkekhe

Akunalitho



Ngisiphi isimumathi esimumatha itlelezi elinengi?



Teacher:
Sign:
Date:

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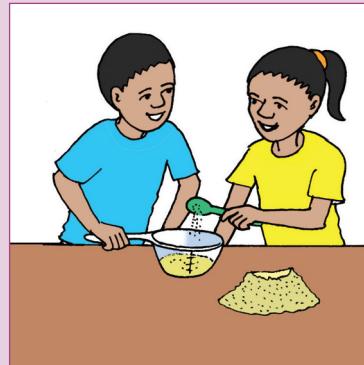
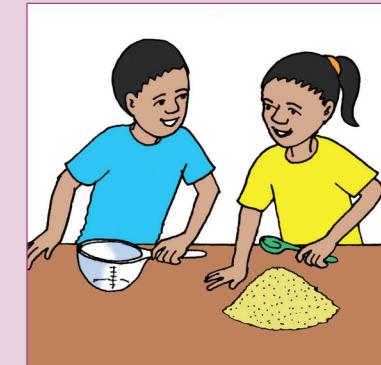
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## Okhunye ngeemumathi nomthamo

Qala iinthombe. Abentwana benzani?

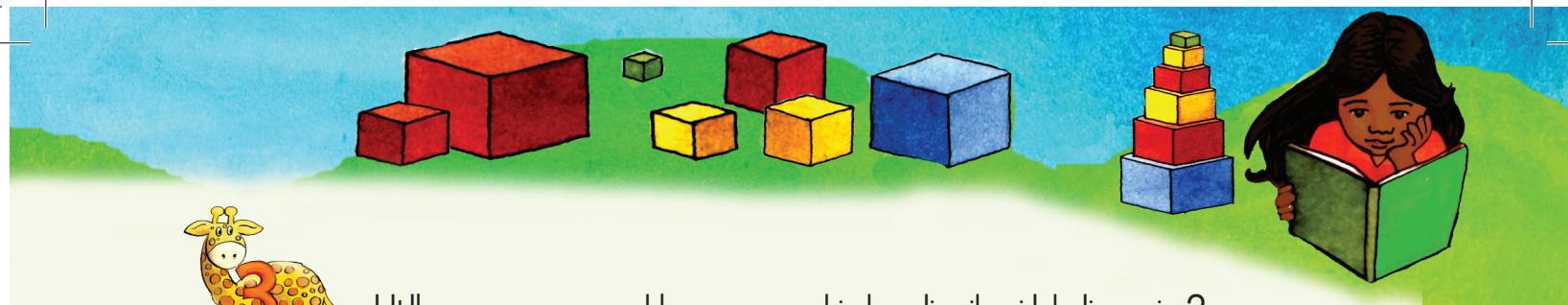
Ithemu 3



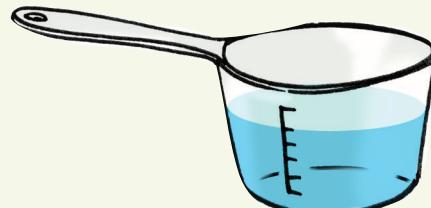
Amakhezo azokuzalisa ijego kufikela kuphi? Khalara.

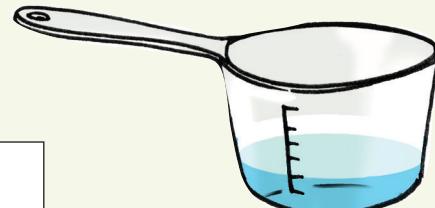
Ikhezo letiye elilodwa  
lizalisa ikomiki  
kufika lapha.



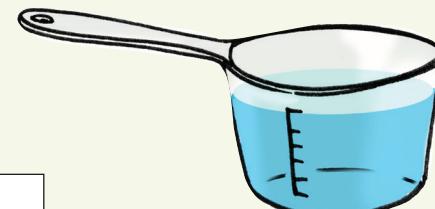


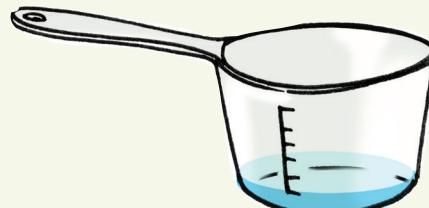
Utlhoga amanye amakhezo amangaki ukuzalisa ikopi lokulinganisa?

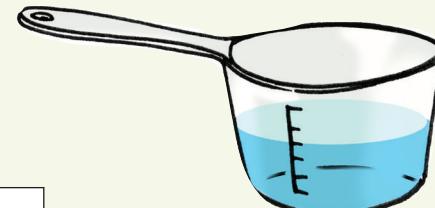














Ugogo usebenzisa amakomitji amabili webisi ukwenza iphudinghi. Nange ugogo abuyabuyelela kabilo iresiphi, uzokuthloga ibisi elingangani?

---



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

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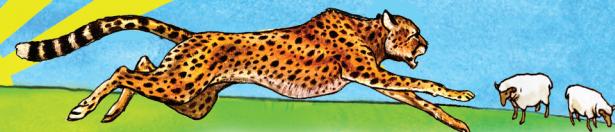
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19

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q

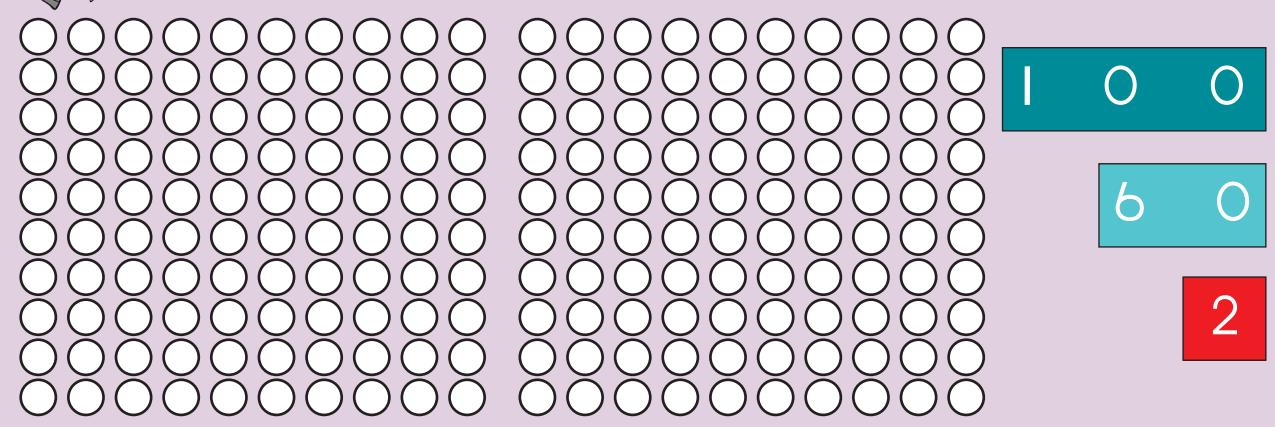
69



## Inomboro 150 – 170

Ithemu 3

Khalara ngaphakathi kwesiyingga se-162.



Tlola inomboro ejamele:

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

$$100 + 50 + 2 = 152$$

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

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

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

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

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



Tlola enye nenyi inomboro ehlangana:

$$150 \text{ na-} 155 \quad \underline{\hspace{10cm}}$$

$$158 \text{ na-} 162 \quad \underline{\hspace{10cm}}$$

$$170 \text{ na-} 165 \quad \underline{\hspace{10cm}}$$

$$163 \text{ na-} 167 \quad \underline{\hspace{10cm}}$$

$$172 \text{ na-} 166 \quad \underline{\hspace{10cm}}$$

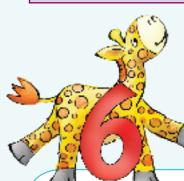
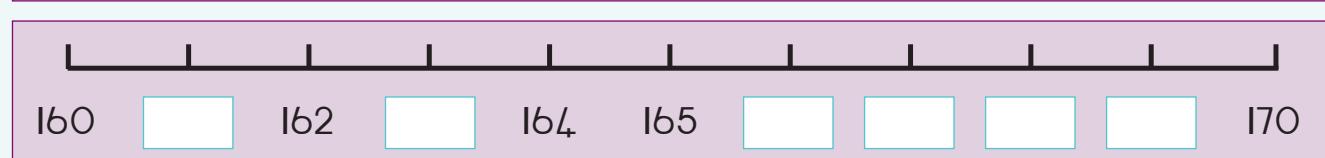
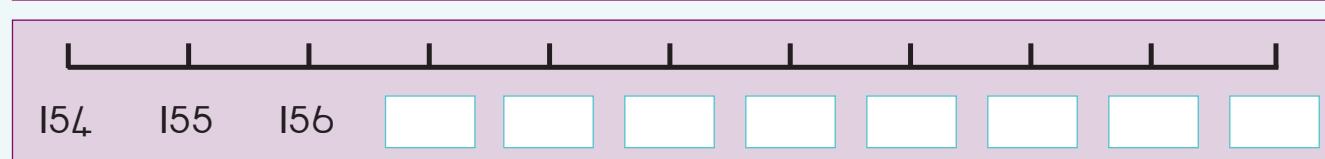
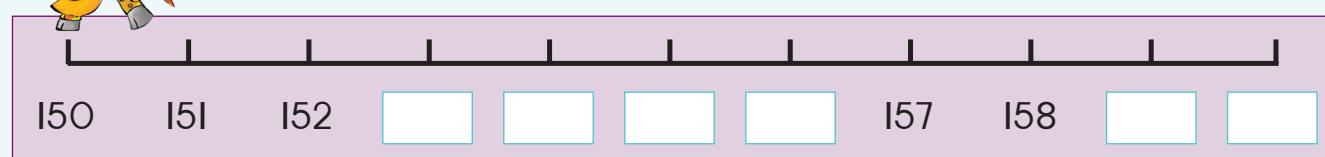


Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu  
kunenomboro enikelweko.

Ncani kuna-	Inomboro	Khulu kuna-
	I55	
	I68	
	I51	
	I62	
	I60	



Qedelela amanambalayini.



Sika iinomboro ezintathu ezihangana kwe-I50 kanye ne-I70 emagazinini nanyana  
ephephandabeni. Zinamathisele lapha ukusuka kencani khulu kuye kekulu khulu.



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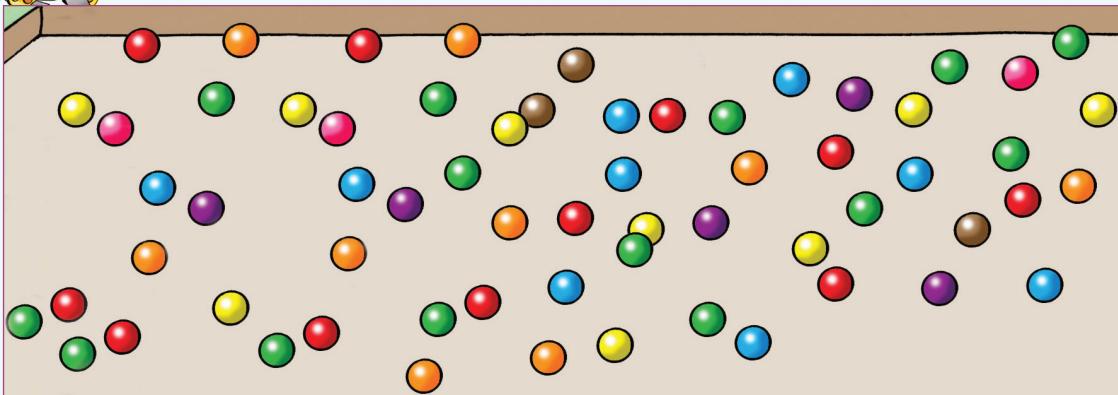
70

# Ukubala nokulinganisa (0 – 100)

Ithemu 3



Linganisa bese ubala umncamo.

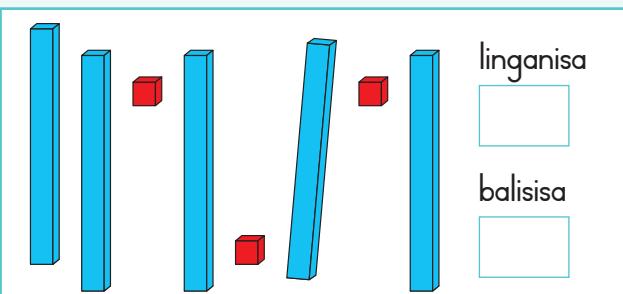
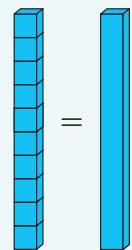


linganisa

balisia

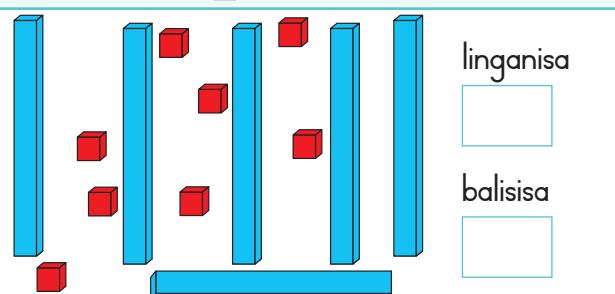


Ngesimumathini kunamabhoksi ali-10.  
Linganisa bese uyalala.



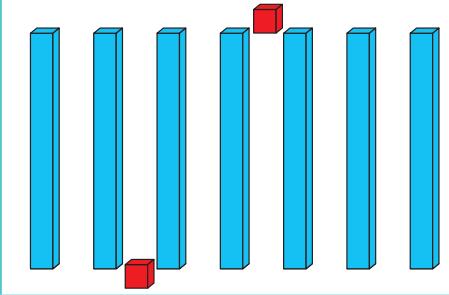
linganisa

balisia



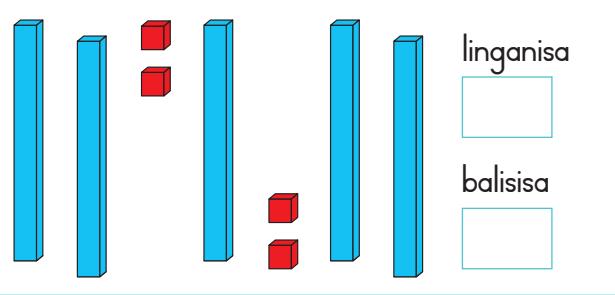
linganisa

balisia



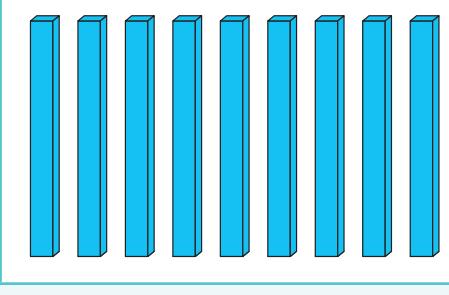
linganisa

balisia



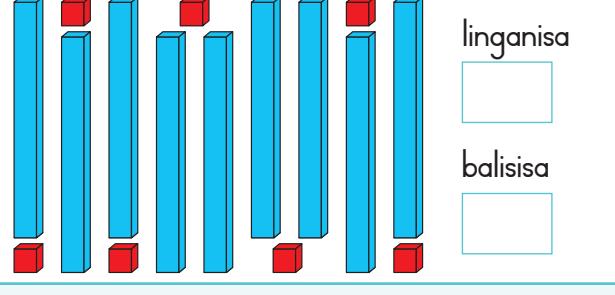
linganisa

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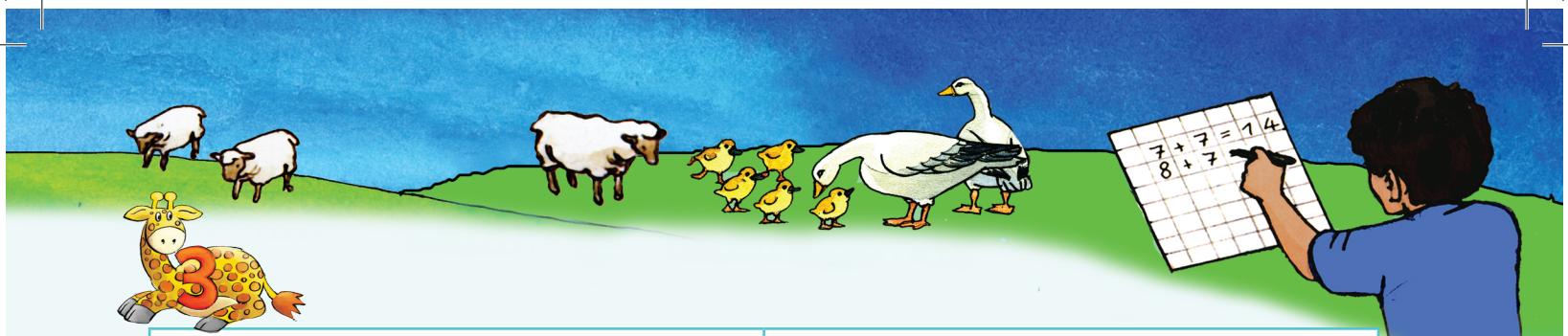
linganisa

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linganisa

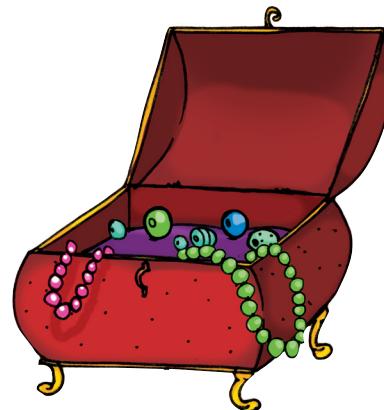
balisia



Ngebhoksini kunamaswidi ama-42. Mangaki amaswidi afihliweko?



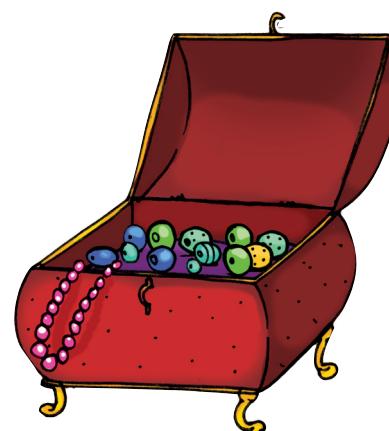
Ngebhoksini kunemincamo ema-50. Mingaki imincamo efihliweko.



Ngebhoksini kunamaswidi ama-78. Mangaki amaswidi afihliweko?

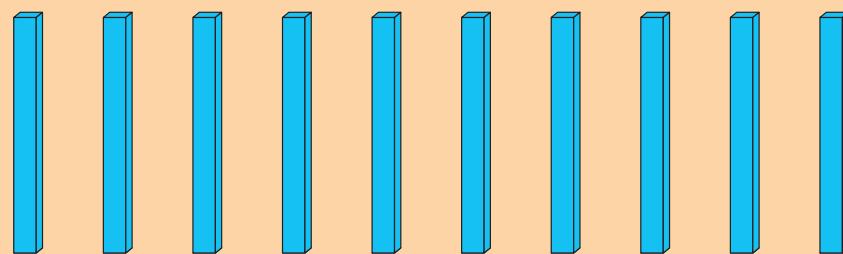


Ngebhoksini kunemincamo eli-100. Mingaki imincamo efihliweko.



Ungakwenza ngokurhaba okungangani lokhu?

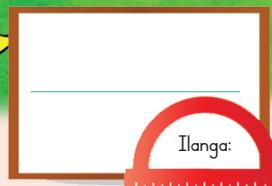
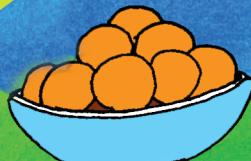
Isimumathi ngasinye singena iincwadi ezili-10. Kuneencwadi ezingaki ngaphakathi?





Teacher:  
Sign:  
Date:

71

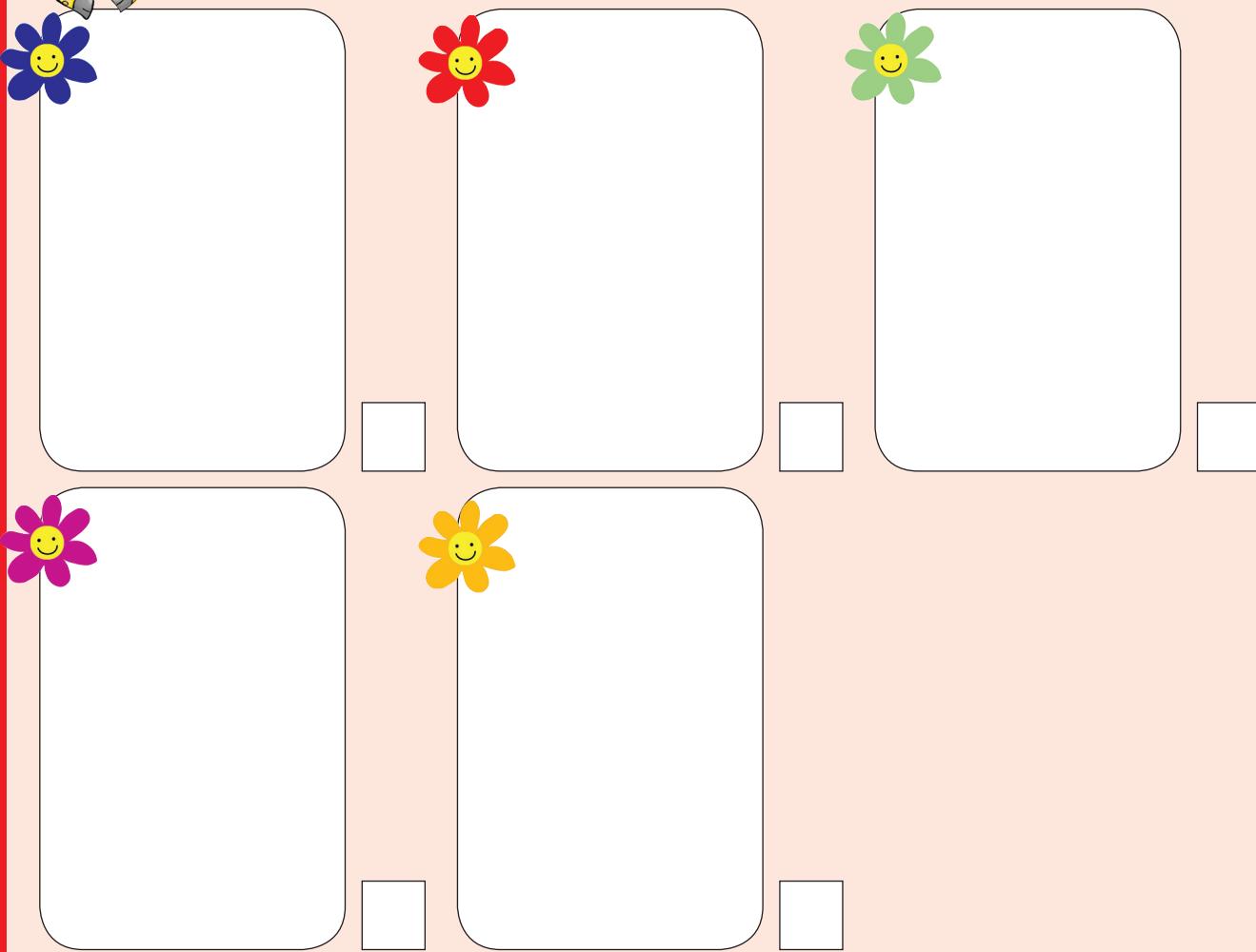


Ithemu 3

## Eminye imininingwana



Hlela amathuthumbo. Gwala umgwalo wakho. Tlola inani ngaphakathi.

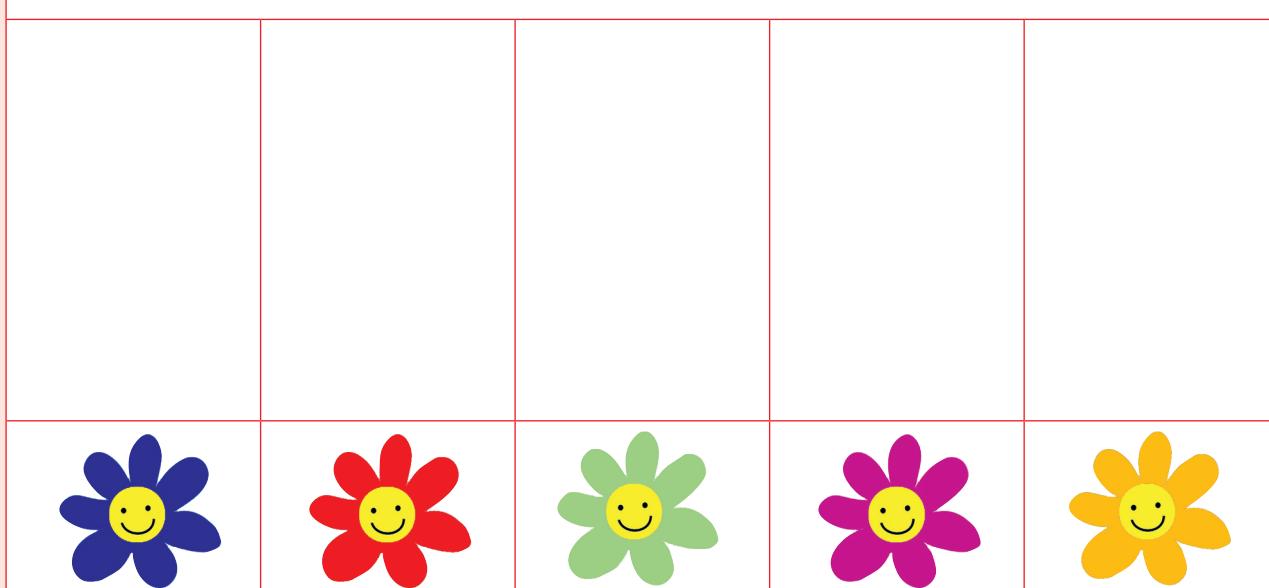




Gwala iphikthografu ukhombise  
amathuthumbo ahlelekileko. Sizobayini isihloko sakho?



ISIYELELISO:



Phendula imibuzo elandelako:

Kunamathuthumbo amangaki aphephuli lapha?

Kunamathuthumbo amangaki abovu lapha?

Kunamathuthumbo amangaki ahlaza kotjani lapho?

Kunamathuthumbo amangaki apinki lapha?

Kunamathuthumbo amangaki asarulana lapha?

Ngiliphi ithuthumbo elinombala ovamileko?

Ngiliphi ithuthumbo elinombala ongakavami?

Ngiwuphi umbala wethuthumbo owuthandako wena?



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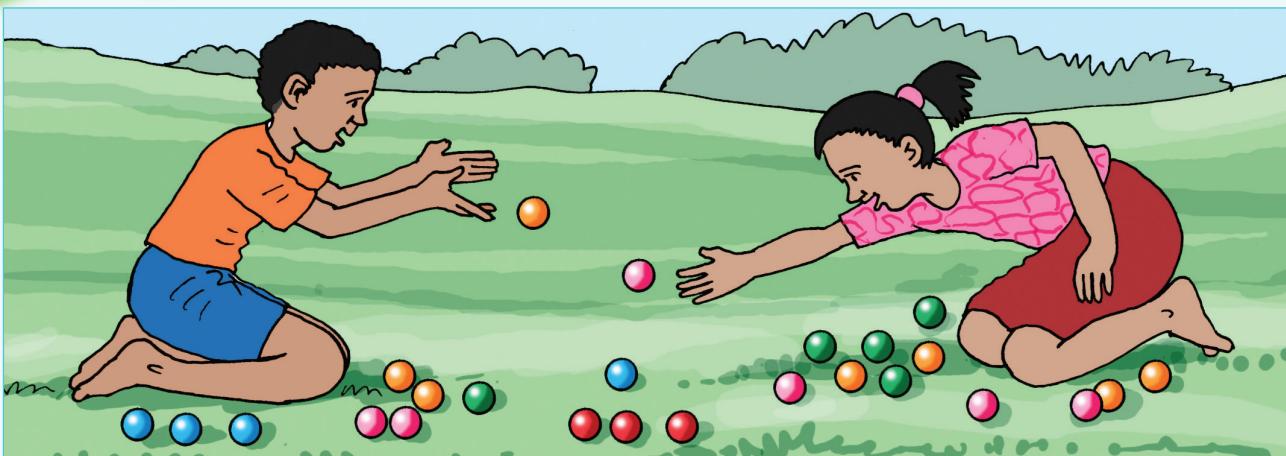
20

72

## Ukuhlanganisa 0 – 50

Ilanga:

Ithemu 3



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.

$10$	$+$	$3$	$=$	<input type="text"/>
$30$	$+$	$2$	$=$	<input type="text"/>
$20$	$+$	$5$	$=$	<input type="text"/>
$30$	$+$	$7$	$=$	<input type="text"/>
$40$	$+$	$1$	$=$	<input type="text"/>
$20$	$+$	$6$	$=$	<input type="text"/>
$10$	$+$	$4$	$=$	<input type="text"/>
$40$	$+$	$8$	$=$	<input type="text"/>
$30$	$+$	$9$	$=$	<input type="text"/>

$16 + 13$

$6$	$+$	$3$	$=$	$9$
$10$	$+$	$10$	$=$	$20$

$$16 + 13 = 29$$

$24 + 12$

$4$	$+$	$2$	$=$	<input type="text"/>
$20$	$+$	$10$	$=$	<input type="text"/>

$$\quad + \quad = \quad$$

$37 + 11$

$7$	$+$	$1$	$=$	<input type="text"/>
$30$	$+$	$10$	$=$	<input type="text"/>

$$\quad + \quad = \quad$$

$25 + 23$

$5$	$+$	$3$	$=$	<input type="text"/>
$20$	$+$	$20$	$=$	<input type="text"/>

$$\quad + \quad = \quad$$

$36 + 12$

$6$	$+$	$2$	$=$	<input type="text"/>
$30$	$+$	$10$	$=$	<input type="text"/>

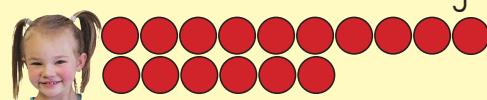
$$\quad + \quad = \quad$$

$28 + 21$

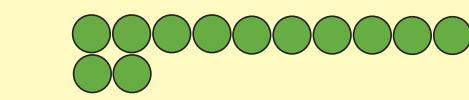
$8$	$+$	$1$	$=$	<input type="text"/>
$20$	$+$	$20$	$=$	<input type="text"/>

$$\quad + \quad = \quad$$

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



Zingaki sezizoke?



11    12    13    14    15    16    17    18    19    20

73



## Ukuhlanganisa okungaphezulu

Ilanga:

Ithemu 3

Ibhlogo ngalinye linenani elingangani?

10  
10

6 20  
2 10

3 20  
5 30

4 40  
4 30



Hlanganisa.

$12 + 11$

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

$23 + 41$

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



Qedelela.

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

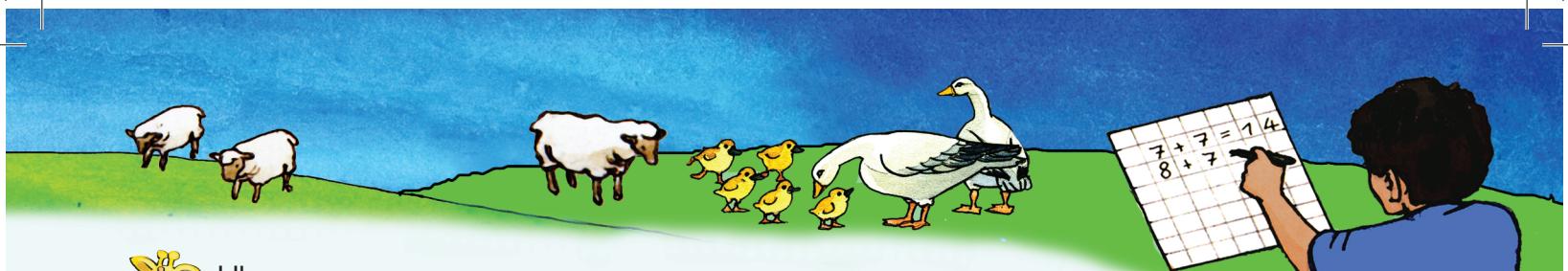
$$34 + \boxed{12} = \boxed{3} \boxed{4} + \boxed{10} + \boxed{2} = \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

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

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

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





Hlanganisa.



$21 + 10 =$ <input type="text"/>	$53 + 10 =$ <input type="text"/>	$46 + 10 =$ <input type="text"/>
$68 + 10 =$ <input type="text"/>	$37 + 10 =$ <input type="text"/>	$42 + 10 =$ <input type="text"/>
$74 + 10 =$ <input type="text"/>	$19 + 10 =$ <input type="text"/>	$55 + 10 =$ <input type="text"/>



Ithini ipendulo nawuhlanganisa ama-47 kanye nesi-6?

Gwala isithombe ukuze utjengise ipendulo yakho.



Zenzele zakho iimbalo usebenzise iinthombe.



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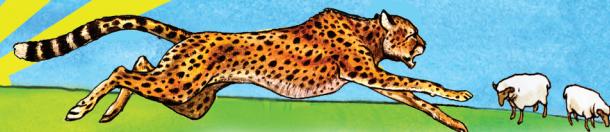
17

18

19

20

74



## Ukuhlanganisa nokukhupha: 0 – 75

Ilanga:

Ithemu 3

Madanisa amakarada. Ciwala umuda usuke esibalweni uye ependulweni enembako.

q

6 0

5

5 0

4

7 0

7

4 0

$$7 + 40 = 47$$

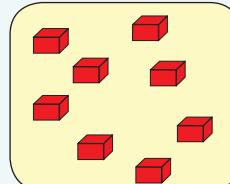
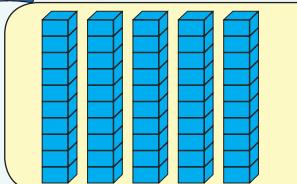
$$60 + 9 = 69$$

$$50 + 5 = 55$$

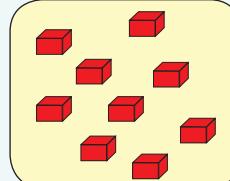
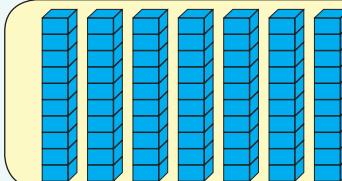
$$4 + 70 = 74$$



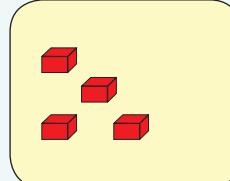
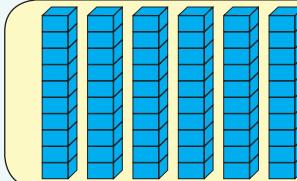
Tlola isibalo salokhu okulandelako bese uzaliselela ngependulo enembako.



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



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



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



$$\boxed{6\ 0} + \boxed{4} = \boxed{\quad}$$

$$\boxed{3\ 0} + \boxed{2} = \boxed{\quad}$$

$$\boxed{4\ 0} + \boxed{9} = \boxed{\quad}$$

$$\boxed{5\ 0} + \boxed{4} = \boxed{\quad}$$

Hlanganisa.

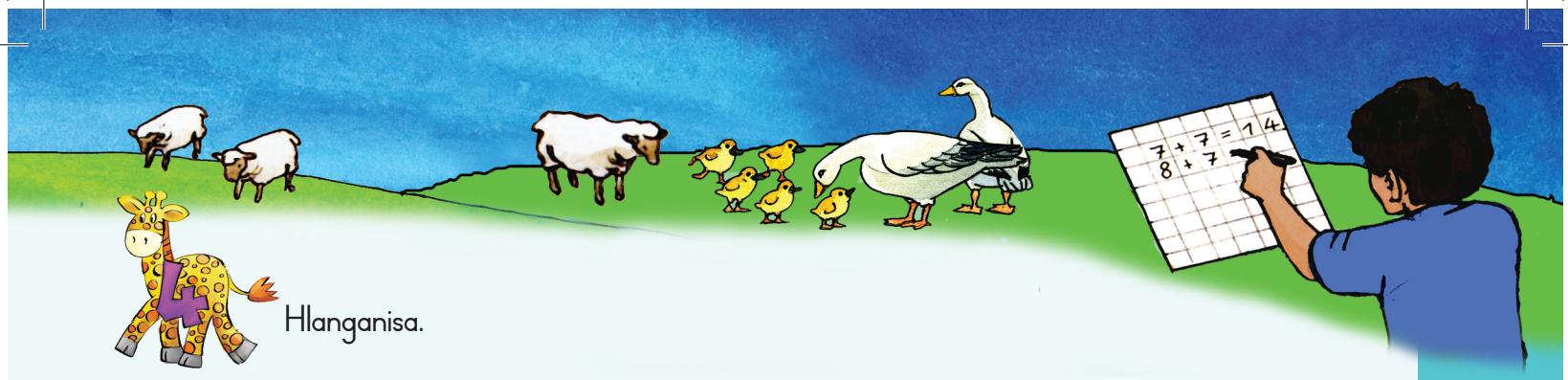
$$\boxed{2\ 0} + \boxed{8} = \boxed{\quad}$$

$$\boxed{1\ 0} + \boxed{7} = \boxed{\quad}$$

$$\boxed{7\ 0} + \boxed{5} = \boxed{\quad}$$

$$\boxed{7\ 0} + \boxed{8} = \boxed{\quad}$$

$$\boxed{5\ 0} + \boxed{6} = \boxed{\quad}$$



Hlanganisa.

$56 + 15$



$56 + 15 = 71$

$34 + 17$

$\square + \square = \square$

$48 + 13$

$\square + \square = \square$

$63 - 41$

$\square - \square = \square$

$75 - 51$

$\square - \square = \square$

$72 - 49$

$\square - \square = \square$



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



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

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

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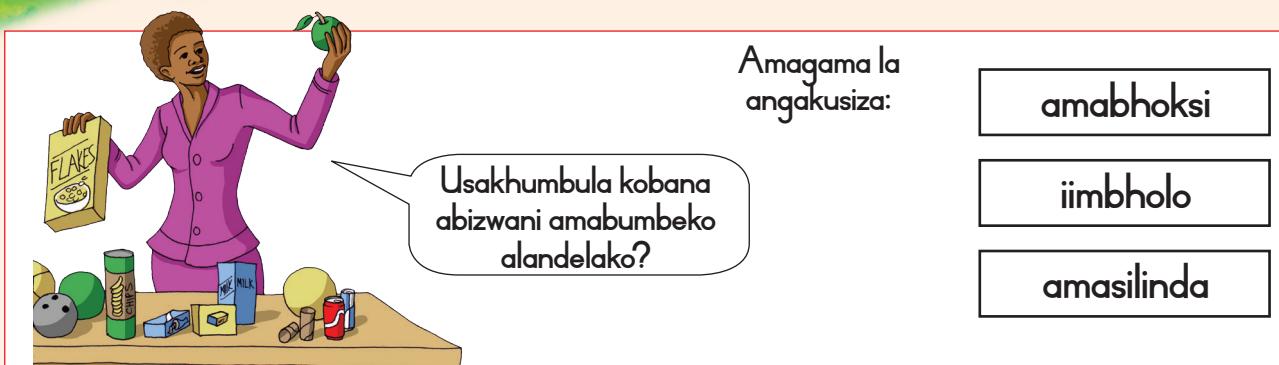
20

75

## Iimbholo, amabhoksi kanye namasilinda

Ilanga:

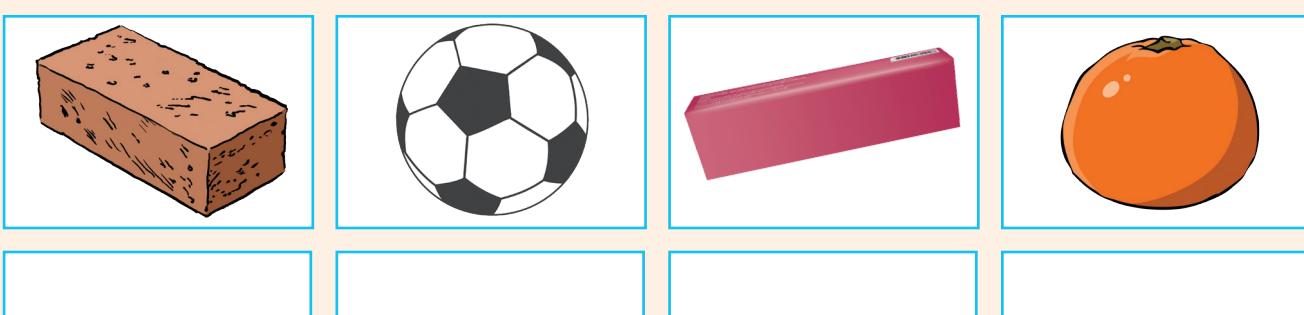
Ithemu 3



Usakhumbula kobana abizwani amabumbeko alandelako?

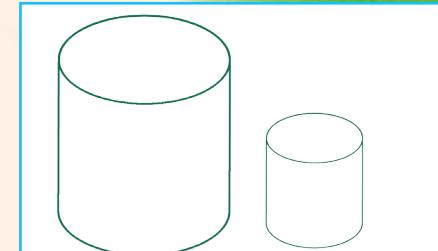
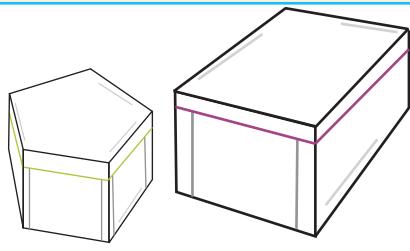


Thola iimbholo, amabhoksi kanye namasilinda bese utlola ibizo ngaphasi kwelinje nelinye ibumbeko.





Khalara okuncani ngombala ohlaza kwesibhakabhaka.



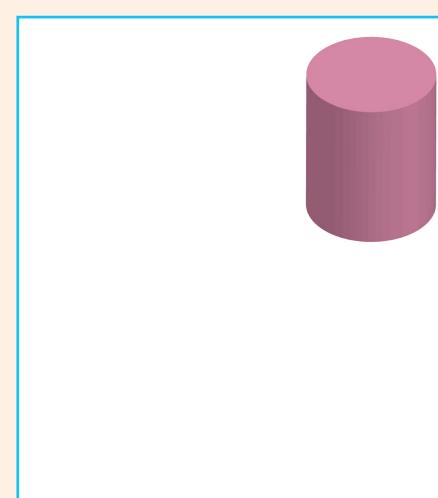
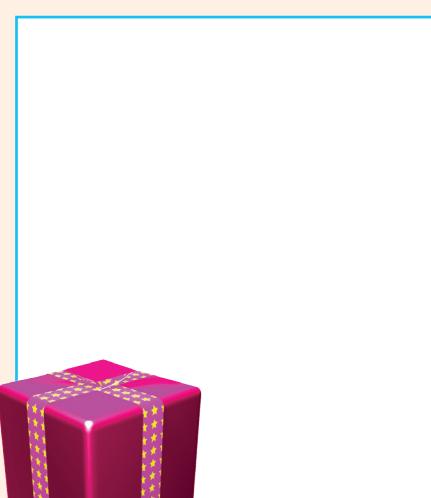
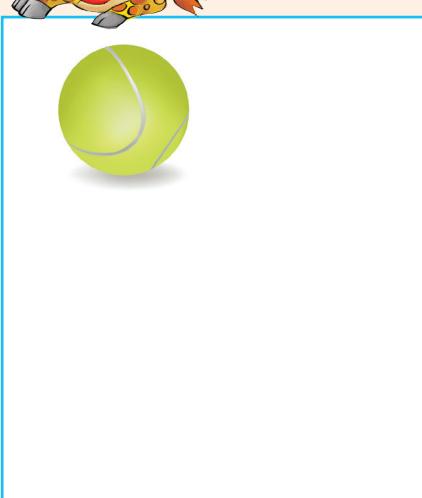
amabhoksi

iimbholo

amasilinda



Gwala okukhulu.



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

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

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

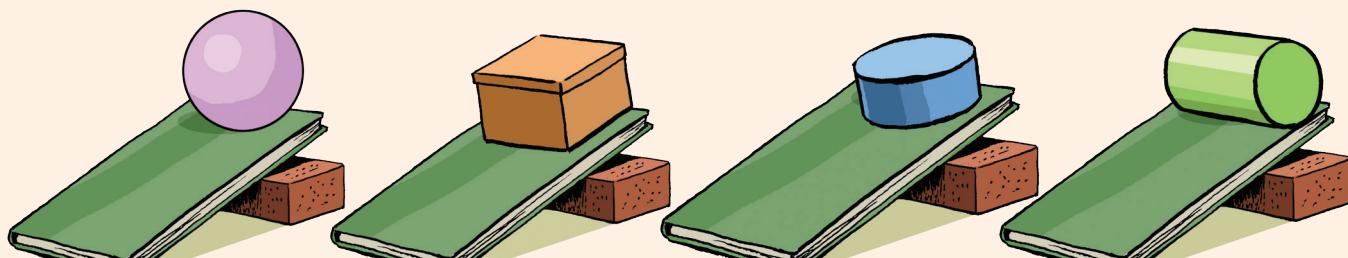


Utitjhere wakho uzokwenza umsebenzi lo nave ukuze ubone kobana lokhu okulandelako kuyanzinza na:

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



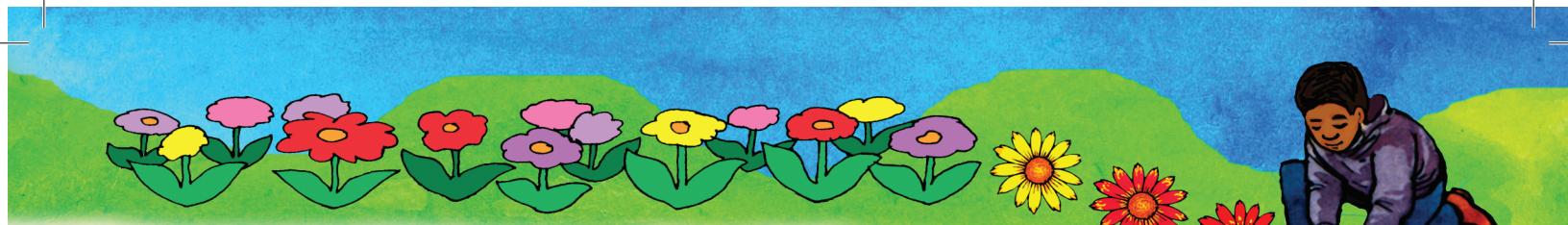
Amabhoksi, iimbholo nanyana amasilinda angagedeka nanyana angatjhelela. Utitjhere uzokunikela lokhu okulandelako ukuze kubonakale kobana kungagedeka nanyana kungatjhelela na. Ngemva kokwenza umsebenzi lowo, yitjho kobana into ngayinje izokutjhelela nanyana izokugedeka na.



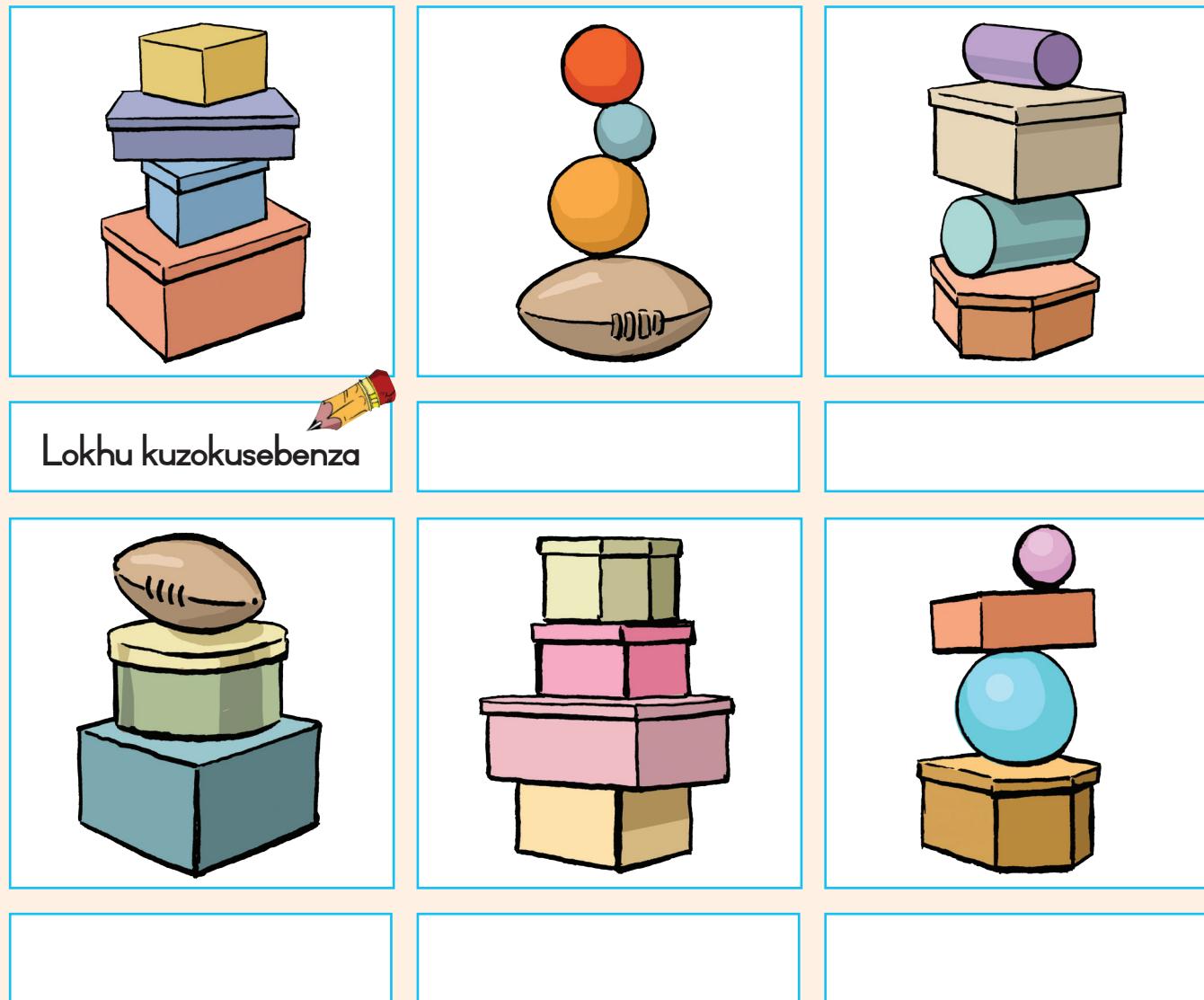
Thola iinthombe ngaphakathi kwemegazini zezinto ezingagedeka nanyana ezingatjhelela.

**ezigedekako**

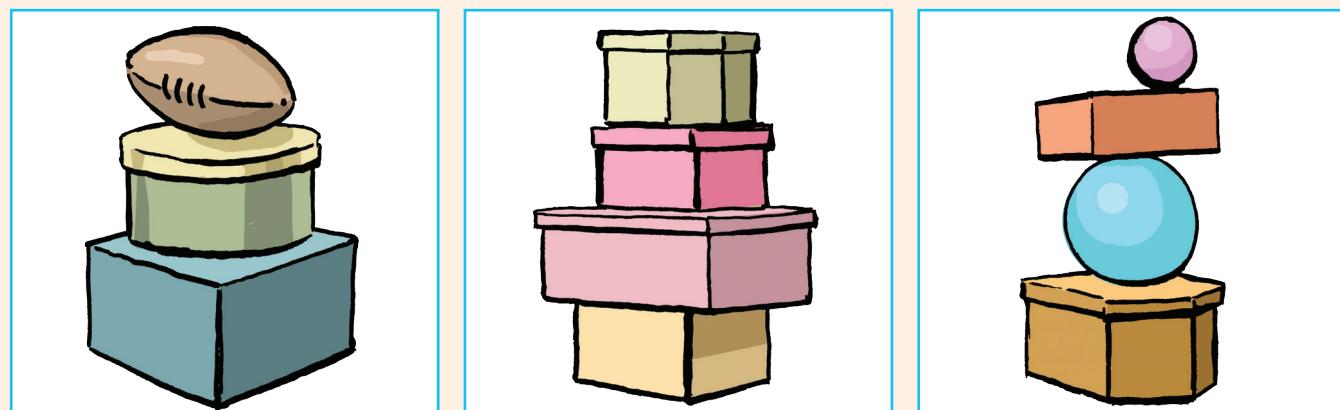
**ezitjhelelako**



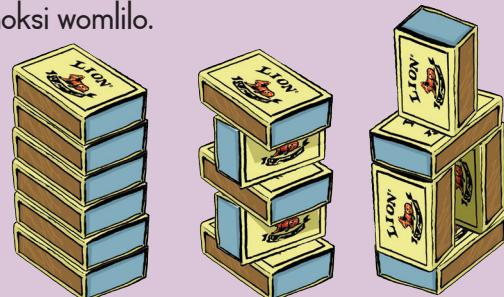
Utitjhore wakho ukunikele amabhlogo ukuze wakhe imibhotjhongo. Wena nomngani wakho nikhetha ukwakha imibhotjhongo ngamabhoksi kanye namasilinda. Nakhu ozolina ukukwakha. Yitjho kobana uyaphumelela nanyana awuphumeleli.



Lokhu kuzokusebenza



Okulandelako mibhotjhongo eyakhiwe ngamabhoksi womlilo.



Utlhoga:  
Amabhoksi womlilo.

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



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## Ukuhlanganisa nokukhupha okungezelelweko 0 – 75

Ilanga:

Ithemu 3



Hlanganisa iinomboro ngebhlogweni ngalinye bese utlolola ipendulo yakho.

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



Hlanganisa usebenzise indlela yakho.

$$52 + 21$$

$$43 + 28$$



Qedelela.

$$28 + 31 = 2\boxed{8} + 30 + \boxed{1} = 58 + \boxed{1} = 59$$

$$45 + 32 = 4\boxed{5} + 30 + \boxed{2} = \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$52 + 14 + 5\boxed{2} + 10 + \boxed{4} = \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



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.



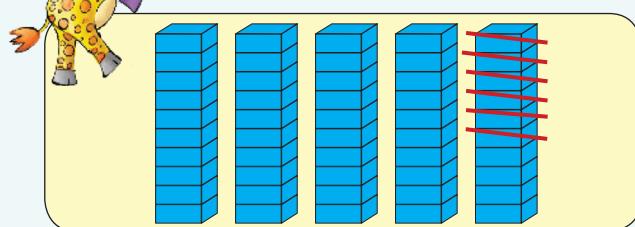
**6**

Khupha iinomboro ezingaphasi kezingaphezulu.

5	7 0	2	6 0	7	5 0	q	3 0
3	4 0	1	2 0	b	1 0	5	1 0



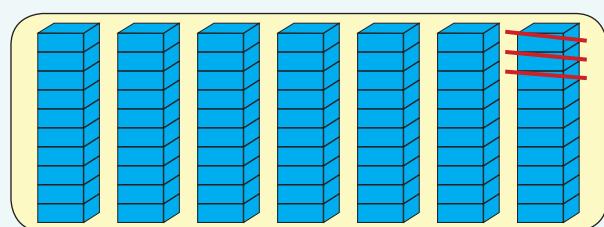
Tlola inani lokulandelako.



**5**

Khupha:

$$65 - 23 = \boxed{\phantom{00}}$$



**7**

$$72 - 29 = \boxed{\phantom{00}}$$



Khupha:

$$61 - 10 = \boxed{\phantom{00}}$$

$$42 - 10 = \boxed{\phantom{00}}$$

$$37 - 10 = \boxed{\phantom{00}}$$



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



Kusele amamabula amangaki? \_\_\_\_\_

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

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## Imali

Ilanga:

Ithemu 3

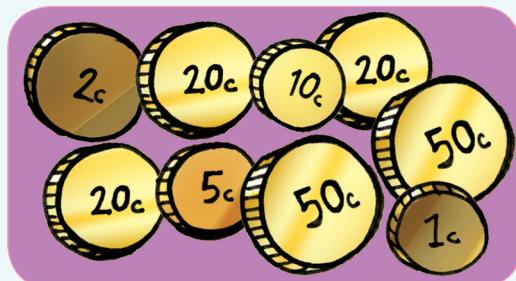
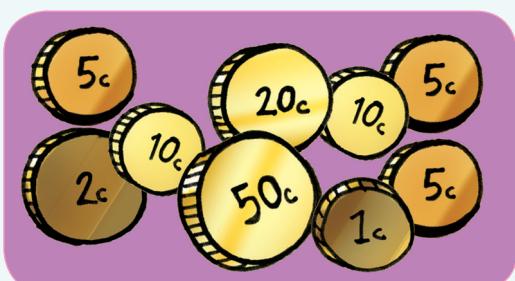
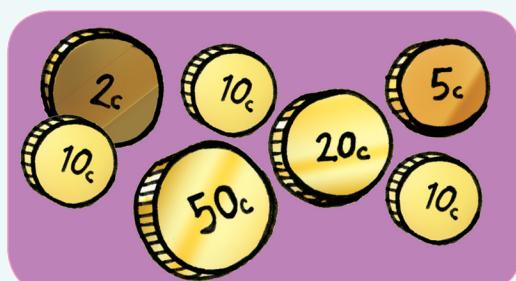
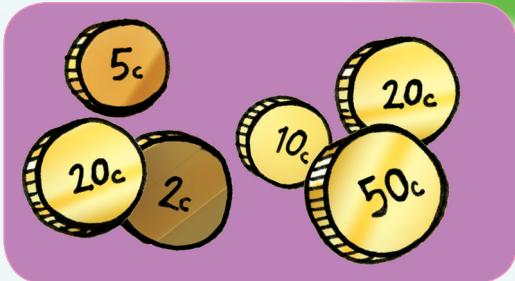
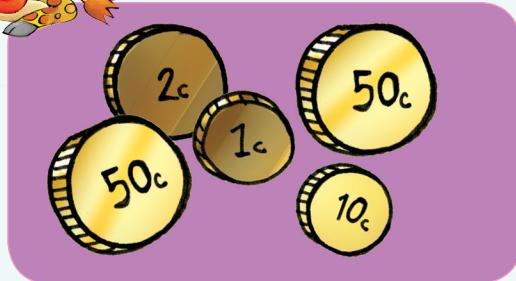


Kunani ngaphakathi kwebhanga lengulutjana?



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





Iimbalo zamagama:

Ngine-100c. Ubaba unginikela amanye ama-50c.

Senginamalini?

Gwala isithombe ukuze utjengise ipendulo yakho.

Ngine-170c. Ngithenga iswidi elibiza ama-100c.

Ngisele namalini?

Gwala isithombe ukuze utjengise ipendulo yakho.



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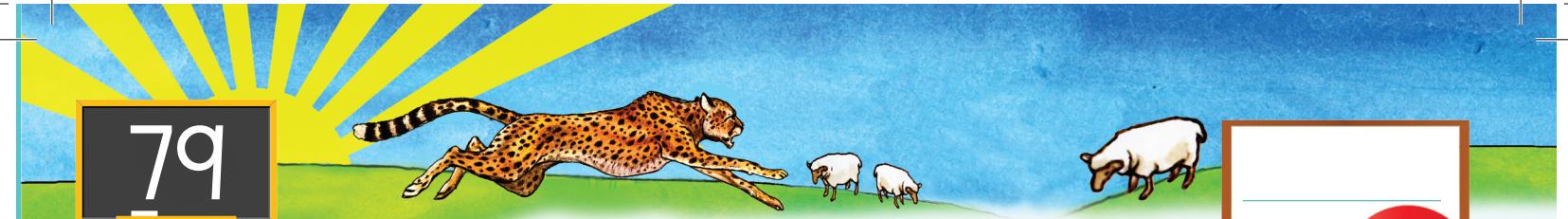
17

18

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79



# Imali emaphepha



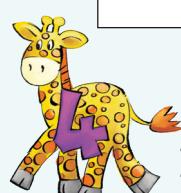
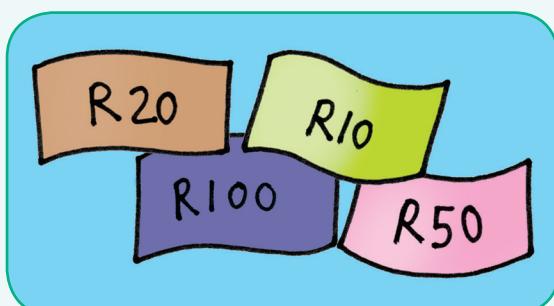
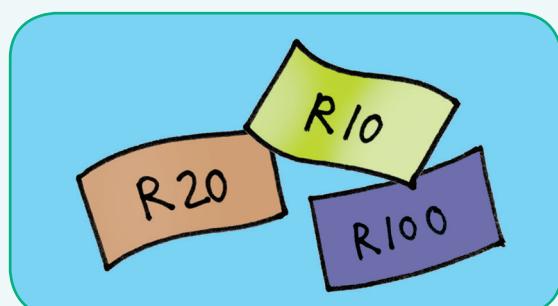
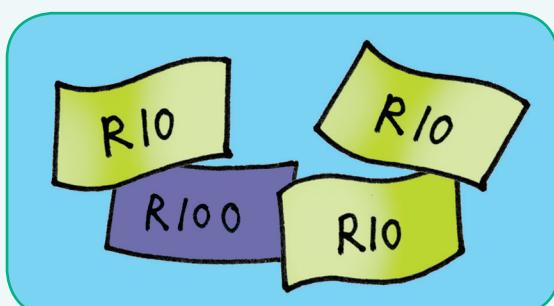
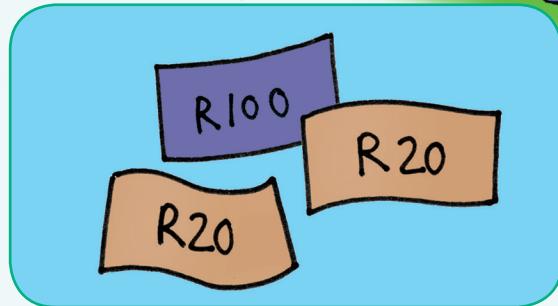
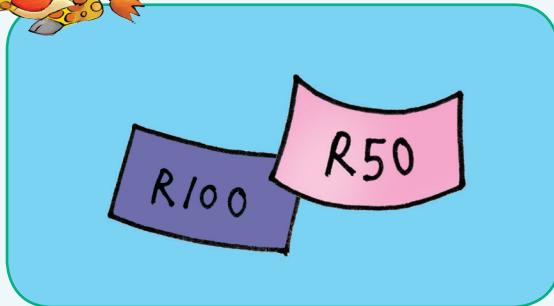
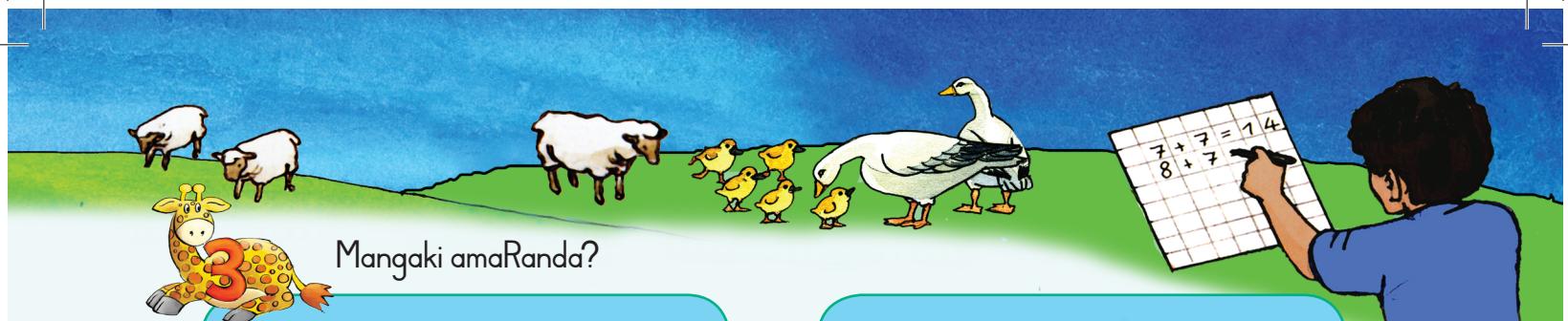
Yimalini engphezeni yami?

Ilanga:



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





Timbalo ngamagama:

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

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

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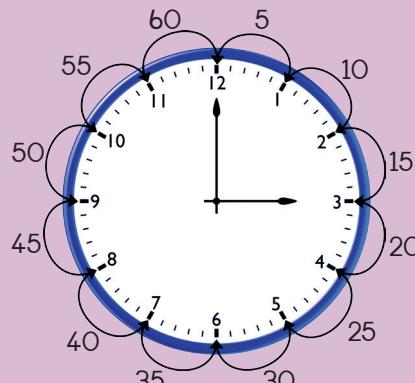
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## Amaphetheni wesikhathi

Ithemu 3



Khulumani ngewatjhi.



Iwatjhi isitjengisa isikhathi.

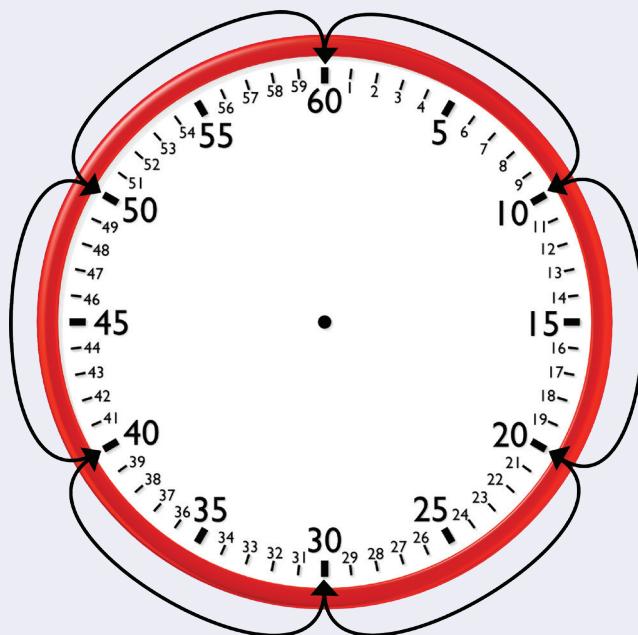
Umkhono omfitjhani usitjela ngama-iri.

Umkhono omude usitjela ngemizuzu.

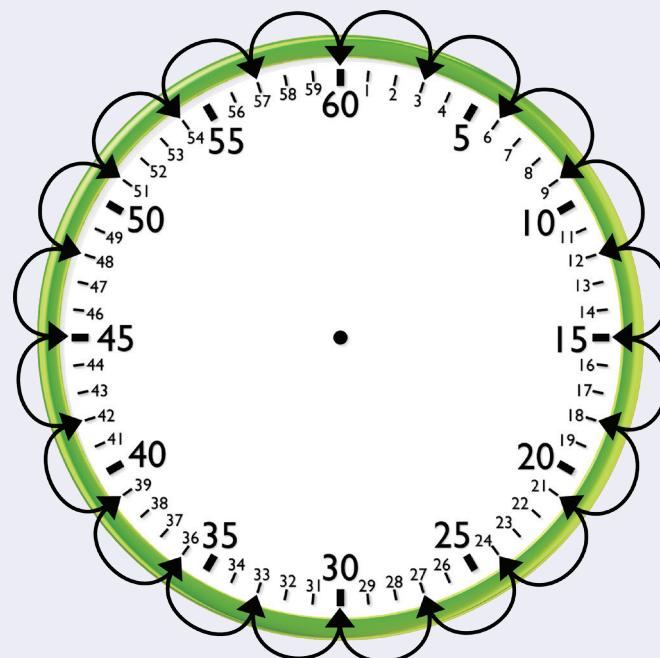
Lapha sibala imizuzu ngakuhlanu.



Yini iphetheni? Njalo qalisisa imikhonto bese utlola phasi iphetheni.



10 \_\_, \_\_, \_\_, \_\_, \_\_,



3, \_\_, \_\_, \_\_, \_\_, \_\_, \_\_, \_\_,

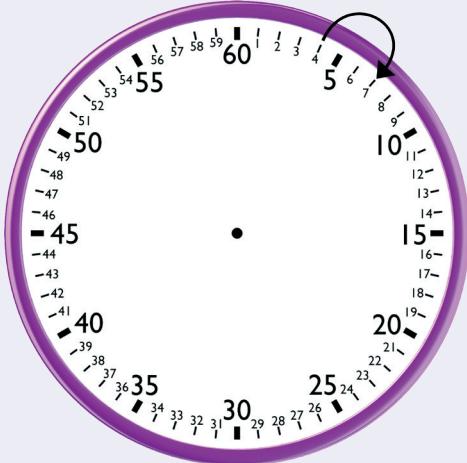
\_\_, \_\_, \_\_, \_\_, \_\_, \_\_, \_\_, \_\_,

\_\_, \_\_, \_\_, \_\_,

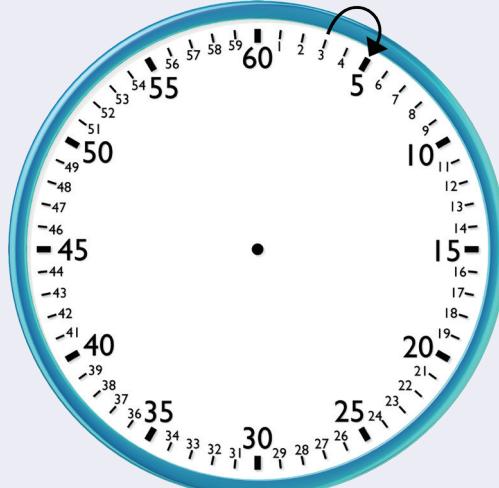


Tjengisa iphetheni ngokusebenzisa imikhonto.

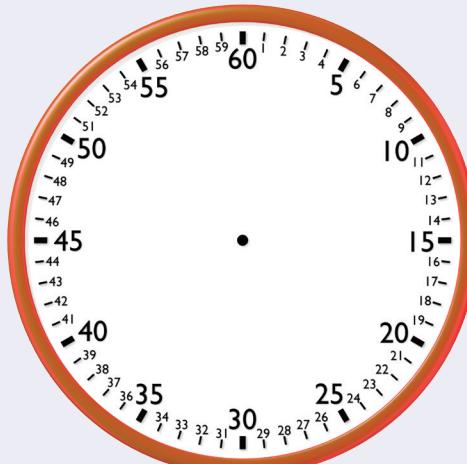
Bala ngakuthathu uthome ku-4.



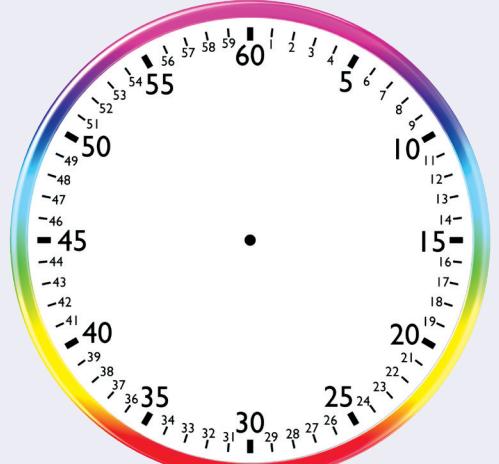
Bala ngaku-2 uthome ku-3.



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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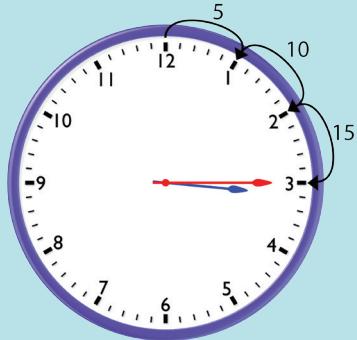


## Ama-iri nemizuzu



Ithemu 3

Khulumani ngewatjhi.



Umkhono omfitjhani udlule kancani e-irini lesi-3.

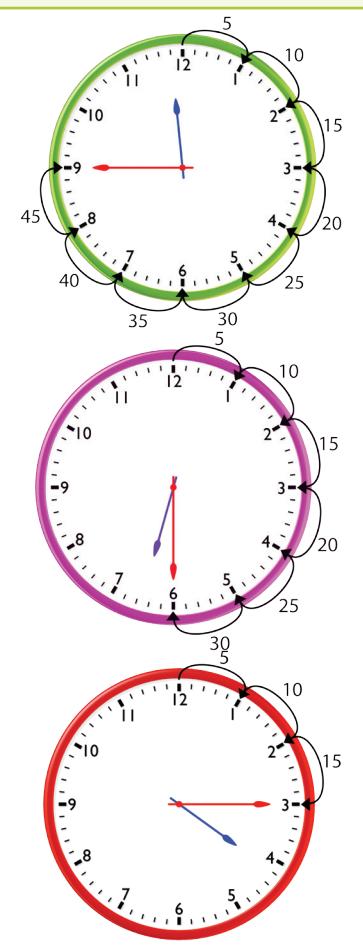
Umkhono omude uphezu kwemizuzu eli-15.

Sitjho kobana mizuzu elitjhumi namihlanu  
ngemva kwe-iri lesi-3.

Sitjho bona mizuzu emihlanu ngemva kwe-iri lesithathu.



Sikhathi bani?



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

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

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

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

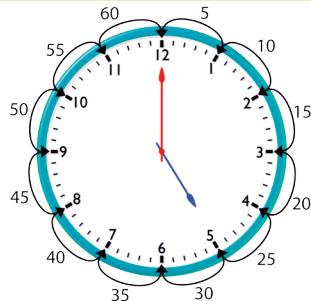
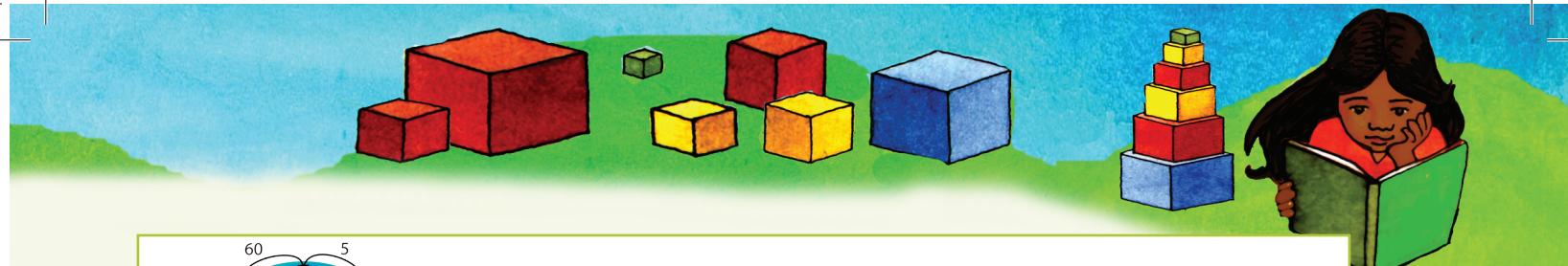
Umkhono omfitjhani usitjengisa \_\_\_\_\_.

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

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

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

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



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

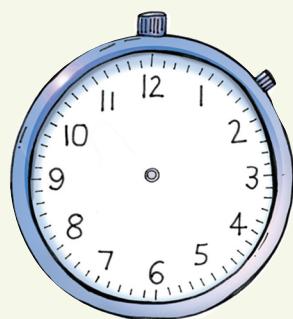
Umkhono omfitjhani usitjengisa \_\_\_\_\_.

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



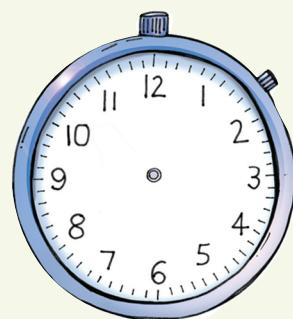
Gwala umkhono omude nomfitjhani wewatjhi.

Yikotara ngemva kwe-iri lesibili.

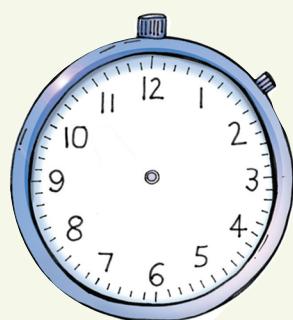


Li-iri letjhumi poro ehloko.

Mizuzu ematjhumi amathathu ngemva kwe-iri lethoba.

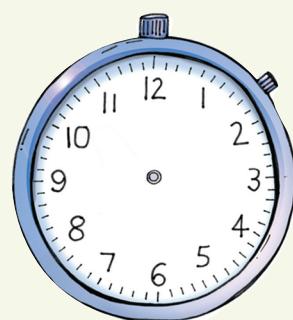


Yikotara ngaphambi kwe-iri lesithandathu.



Khuujini okwenzako ngesikhathi lesi evekeni? Gwala isithombe.

Yikotara ngemva kwe-iri lobunane ekuseni.



Yikotara ngemva kwe-iri lobunane entambama.



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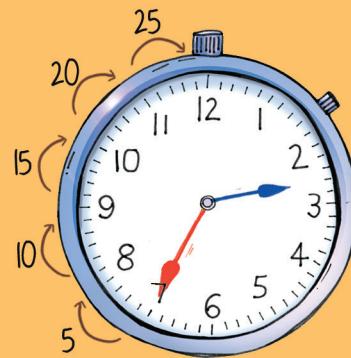


Ithemu 3

## Imizuzu nama-iri

Ilanga:

Khulumani ngewatjhi.



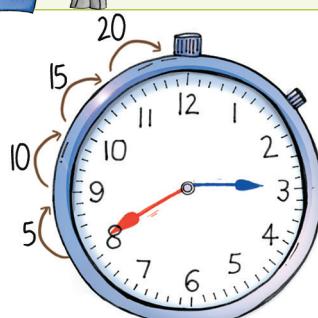
Umkhono omfitjhani useduze ne-iri le-3.

Umkhono omude ujame phezulu emizuzwini ama-35.

Imizuzu ema-25 ngaphambili kokuthi omude ufike e-12. Sithi mizuzu ama-25 ngaphambili kwe-iri le-3.



Sikhathi bani?



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

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

Mizuzu ema-\_\_\_\_\_ ngaphambili kokuthi umkhono omude ufike e-12.

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

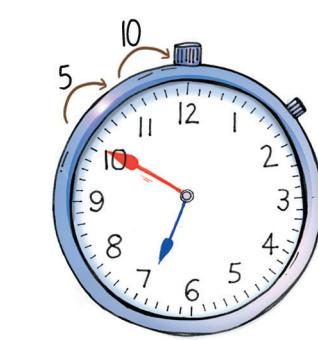


Umkhono omfitjhani \_\_\_\_\_.

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

Maminidi ama \_\_\_\_\_ ngaphambili kokuthi umkhono omude ufike e-12.

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

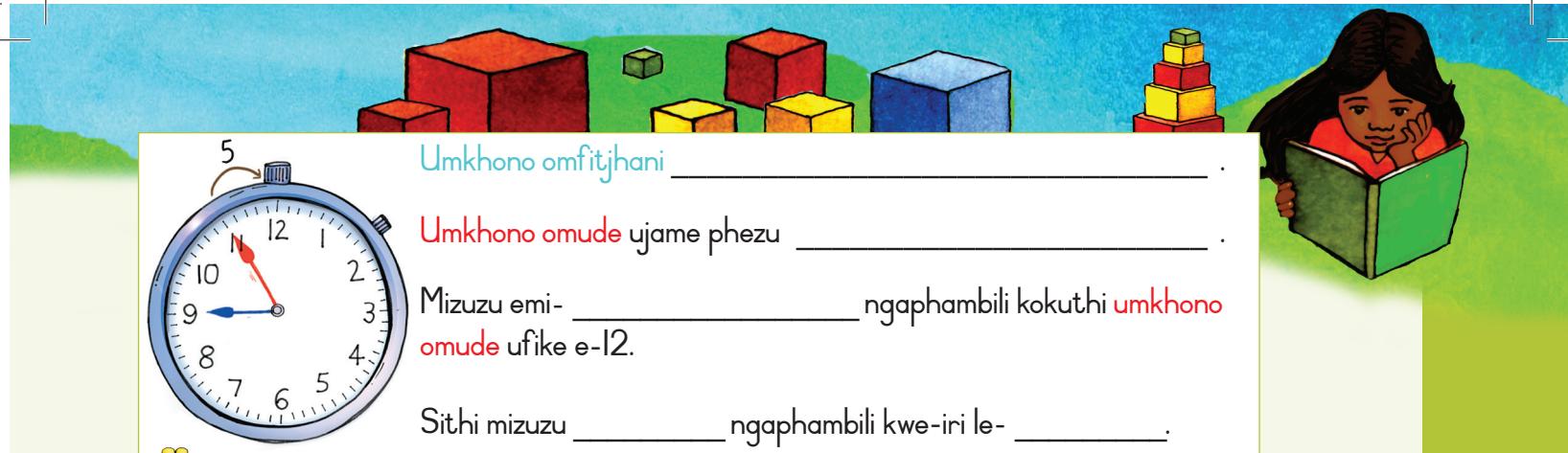


Umkhono omfitjhani \_\_\_\_\_.

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

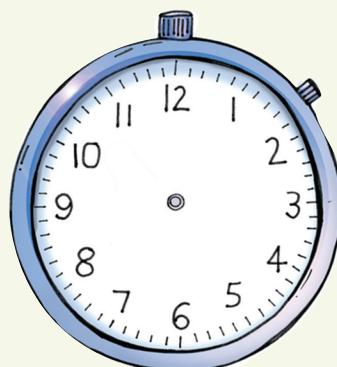
Mizuzu ema-\_\_\_\_\_ ngaphambili kokuthi umkhono omude ufike e-12.

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

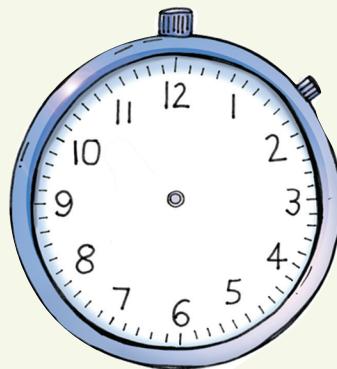


Gwala umkhono omude kanye nomkhono omfitjhani ukutjengisa:

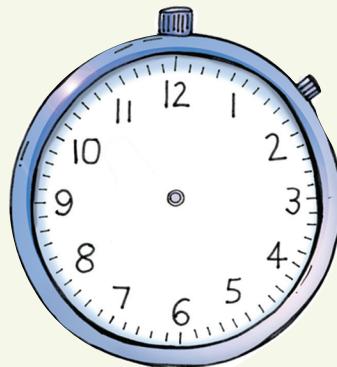
Mizuzu emihlanu ngaphambili  
kwe-iri le-8.



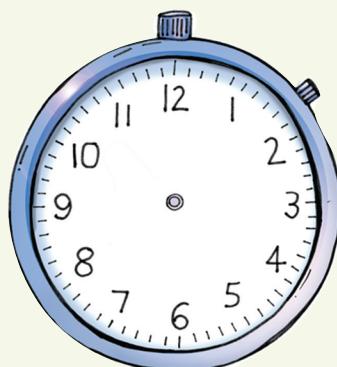
Mizuzu emihlanu ngaphambili  
kwe-iri lokuthoma.



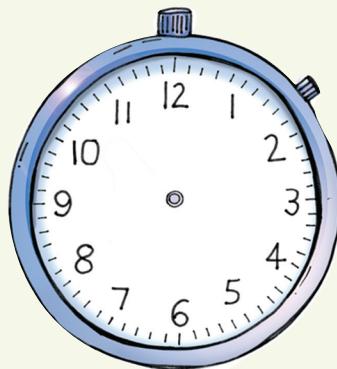
Imizuzu ilitjhumi namithathu ngaphambili  
kwe-iri lekhomba.



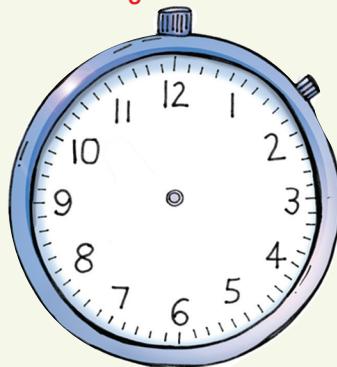
Mizuzu ematjhumi amabili ngaphambili  
kwe-iri lesithathu.



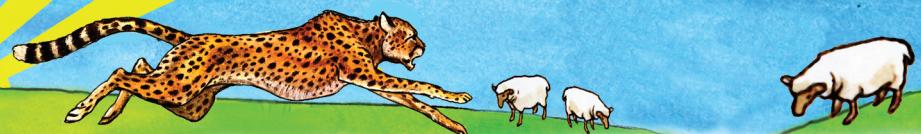
Imizuzu elitjhumi  
ngaphambili kwe-iri lesithandathu.



Imizuzu elitjhumi namibili ngaphambili  
kwe-iri letjhumi nambili.



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## Ukuhlanganisa okubuyelelweko

**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.**

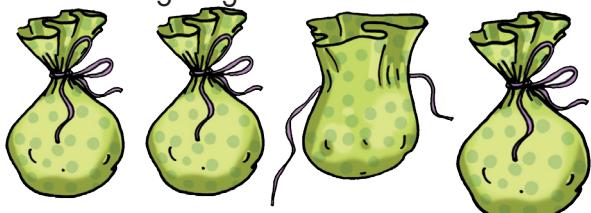
**Ngingasitlola njengokuthi**  
 $5 + 5 + 5 = 15$   
 nanyana  $3 \times 5 = 15$



Qala iinkhwama ezinamaswidi:

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

Isikhwama ngasinye sinamaswidi ama-2.

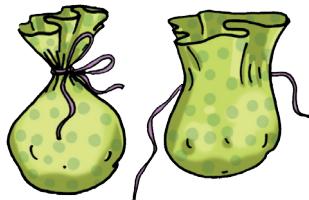


Umutjho: Amabuthelelo wanga-4 ama-2

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:

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

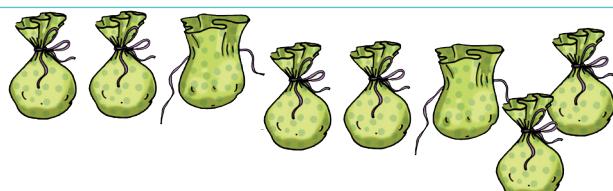
$$\text{Isibalo sokubuyabuyeleta: } 7 \times 4 = 28$$



Umutjho:

Isibalo sokuhlanganisa:

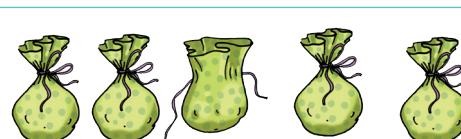
$$\text{Isibalo sokubuyabuyeleta: }$$



Umutjho:

Isibalo sokuhlanganisa:

$$\text{Isibalo sokubuyabuyeleta: }$$



Umutjho:

Isibalo sokuhlanganisa:

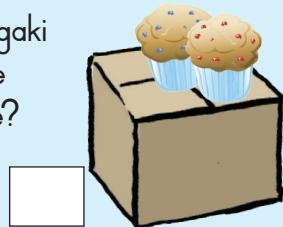
$$\text{Isibalo sokubuyabuyeleta: }$$



Qedelela itheyibula yokubuyeleta.

$\times$	1	2	3	4	5	6	7	8	9	10
2			6							
4					20					
5										50

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



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



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



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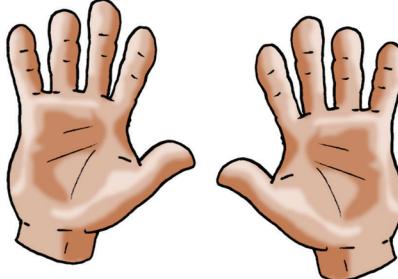


## Buyabuyelela ngaku-5

Ilanga:

Inyawo elilodwa linamazwani ama-5.

Isandla esisodwa sinemino emi-5.



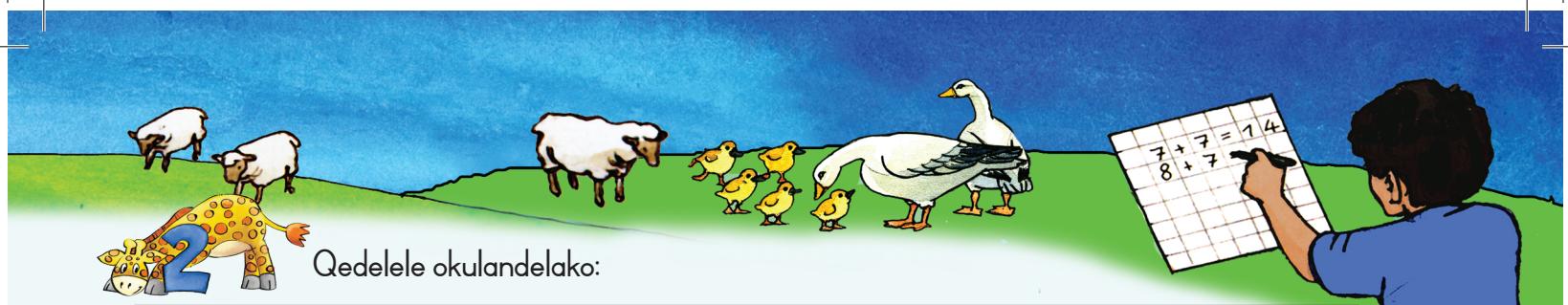
Mangaki amazwani nasele awoke?

Mingaki imino nasele iyokeye?



Qedelela okulandelako:

Amazwani  
enyaweni  
elilodwaImino  
esandleni  
esisodwaAmazwani  
enyaweni  
elilodwaImino  
esandleni  
esisodwaAmazwani  
enyaweni  
elilodwaImino  
esandleni  
esisodwaAmazwani  
enyaweni  
elilodwaImino  
esandleni  
esisodwa



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"/> $1\ 0\ 5 \times 5$ $= 1\ 0 + 5 \times 5$ $= 1\ 0 \times 5 + 5 \times 5$ $= 50 + 25$ $= 75$	$12 \times 5 =$ <input type="text"/> $1\ 0\ 2 \times 5$ $= \square + \square \times \square$ $= \square \times \square + \square \times \square$ $= \square + \square$ $= \square$
$14 \times 5 =$ <input type="text"/> $1\ 0\ 4 \times 5$ $= \square + \square \times \square$ $= \square \times \square + \square \times \square$ $= \square + \square$ $= \square$	$13 \times 5 =$ <input type="text"/> $1\ 0\ 3 \times 5$ $= \square + \square \times \square$ $= \square \times \square + \square \times \square$ $= \square + \square$ $= \square$



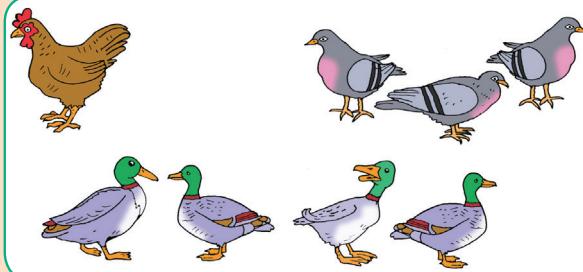
Teacher:  
Sign:  
Date:



Ilanga:

## Buyabuyelela ngaku-2

Zoke iinyoni  
zineenyawo  
ezimbili.



Zoke iinyoni  
zineempiko ezimbili.

Esithombeni lesi iinyoni zoke  
zineenyawo ezingaki?

Seziske, zingaki iimpiko  
esithombeni lesi?



Qala isithombe bese uqedelela 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



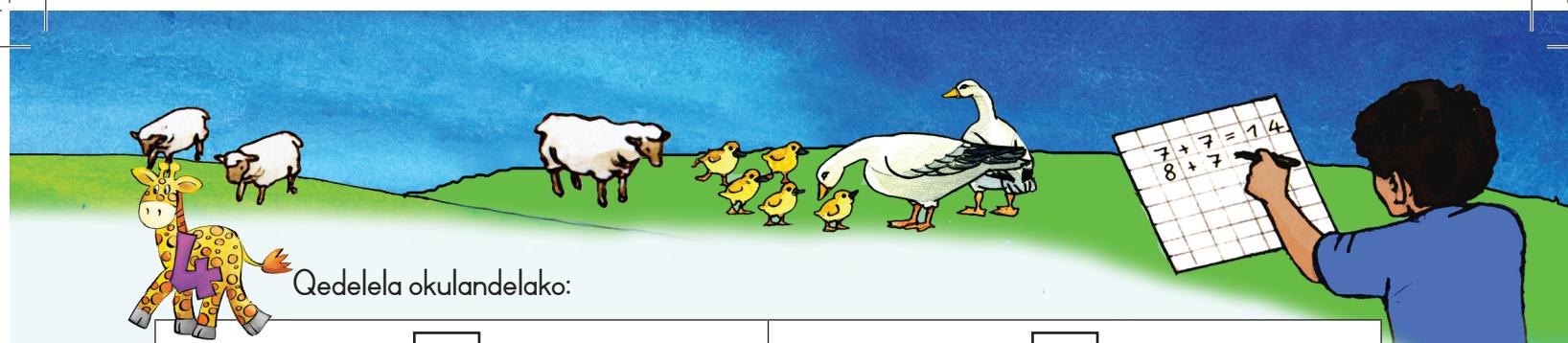
Qedelela lokhu:

2	4	6							
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Qedelela lokhu:

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



Qedelela okulandelako:

$$12 \times 2 = \boxed{\phantom{00}}$$

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

$$= \boxed{1 \ 0} + \boxed{2} \times 2$$

$$= \boxed{1 \ 0} \times 2 + \boxed{2} \times 2$$

$$= 20 + 4$$

$$= 24$$



$$15 \times 2 = \boxed{\phantom{00}}$$

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

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

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

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

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



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

nanyana

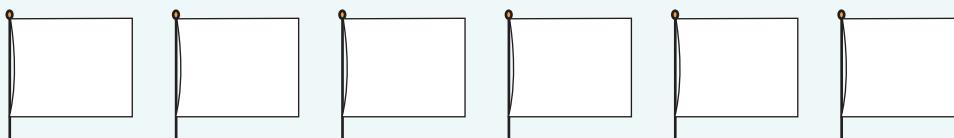
$$4 \times 2 = 8$$

nanyana

Leli litshwayo  
lokuhlukanisa.

$$8 \div 2 = 4$$

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?

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

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



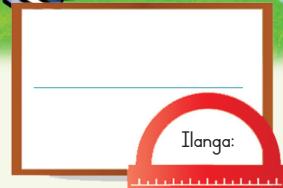
85a



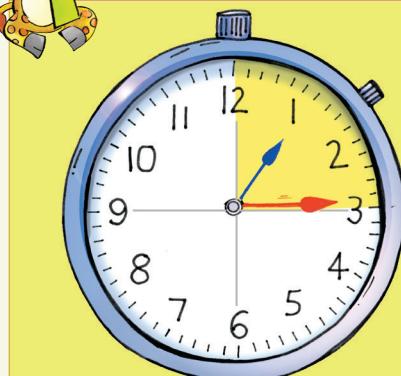
Khulumani ngewatjhi.



## Ikotara ngemva



Ithemu 3



Umkhono omfitjhani usanda kudlula kweyokuthoma.

Umkhono omude ujame phezulu kwemizuzu elitjhumi nahlanu.

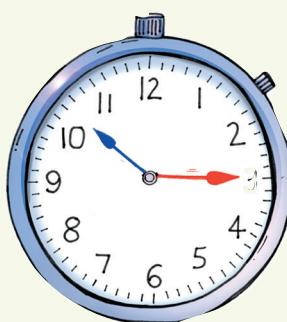
Sithi ikotara ngemva kwe-iri lokuthoma.

Sihlathulula kobanyana yikotara ye-iri.

Mizuzu eli-15 ngemva kwe-iri lokuthoma.



Sikhathi bani?



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

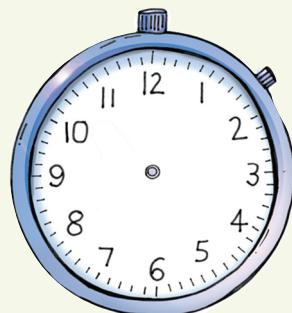
Umkhono omude ujame phezu \_\_\_\_\_ kwemizuzu.

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

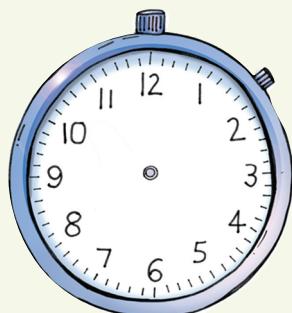


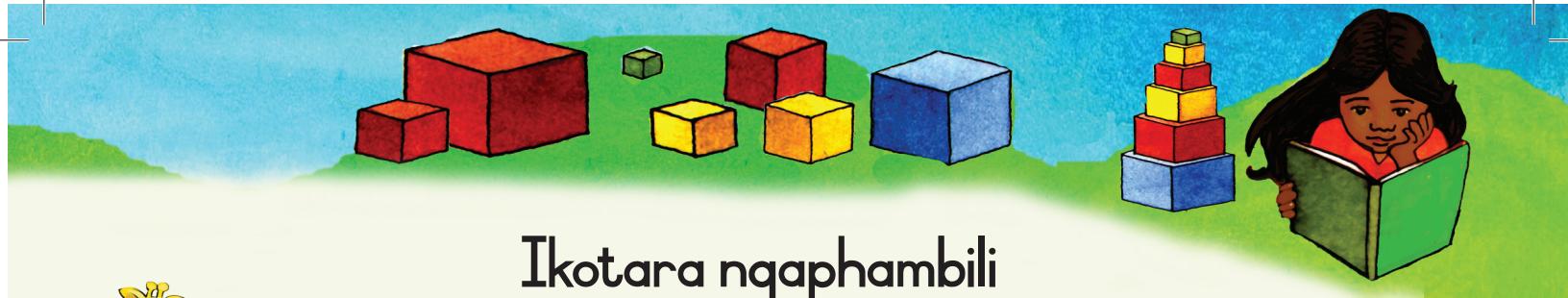
Gwala umkhono omude kanye nomkhono omfitjhani.

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 \_\_\_\_\_.

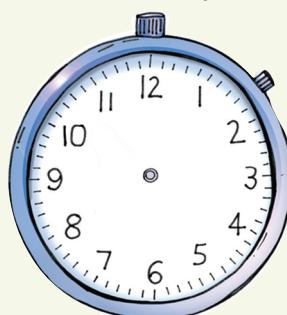
Umkhono omude ujame emizuzwini \_\_\_\_\_.

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

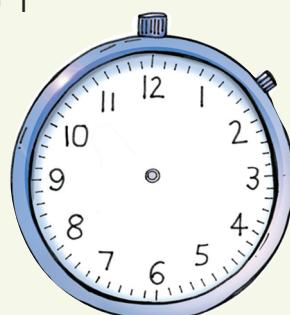


Gwala umkhono omude kanye nomkhono omfitjhani.

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



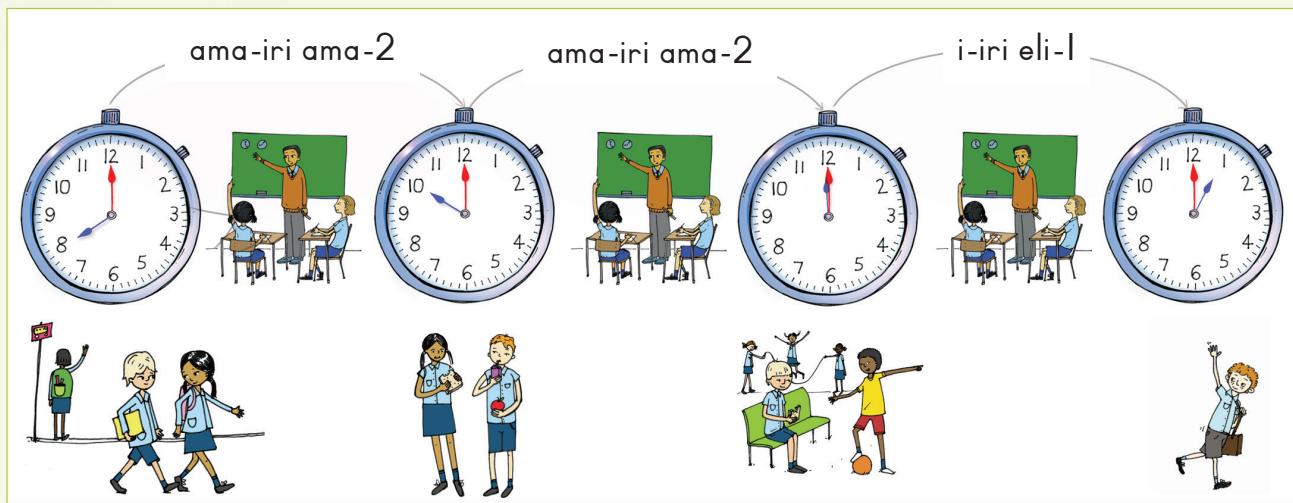
Imizuzu ili-15  
ngaphambi kwe-iri lo-8.



85b

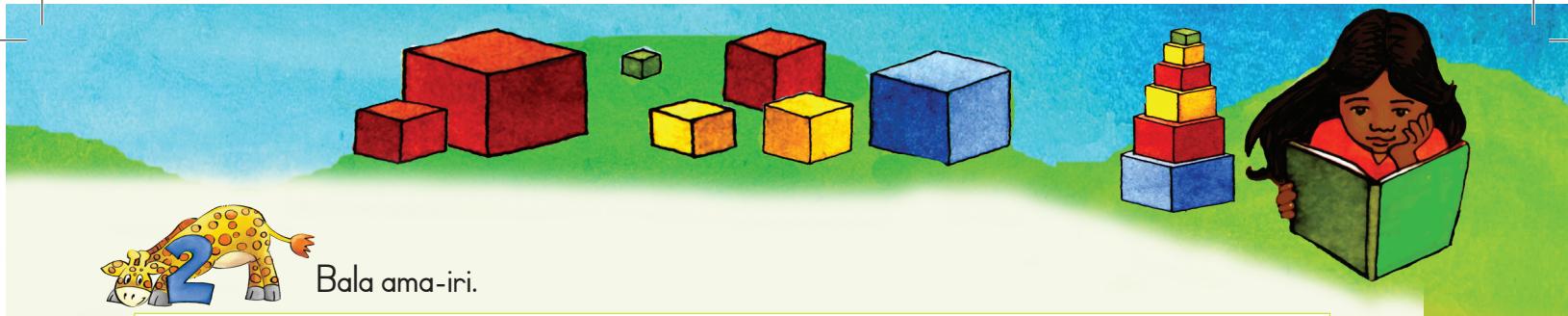
## Isikhathi siyakhamba

Ithemu 3



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



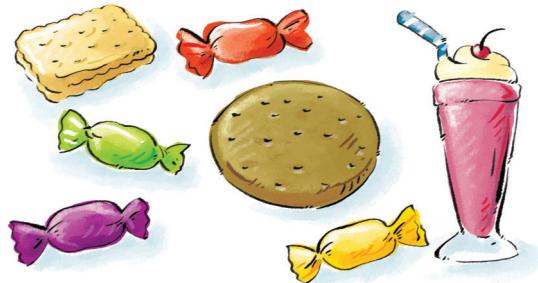


## Buyelela kibili

Ithemu 3



Qalisisa isithombe sokuthoma nesesibili. Kwenzeka ini?



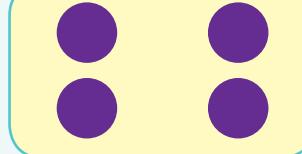
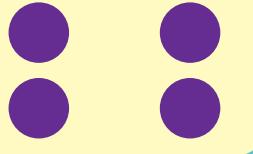
Hlanganisa amacaphazi begodu tlola isibalo sawo.



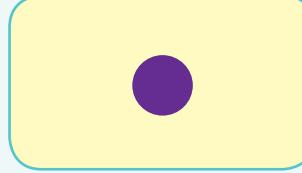
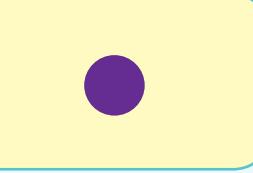
$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



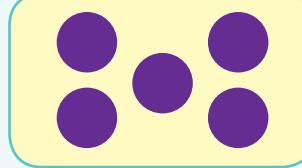
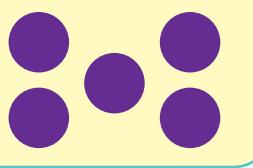
$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



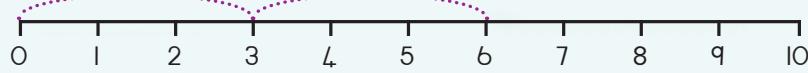
$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



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



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



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



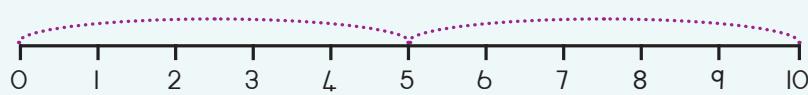
$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



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



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



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



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

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

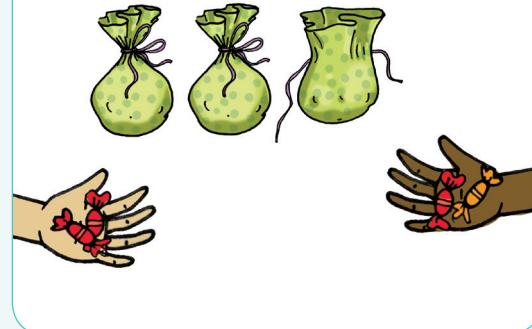
87

## Ukubuyelela kibili nokuhafula

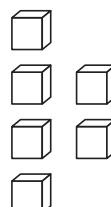
Ithemu 3



Qala iinthombe ezimbili. Yakha yakho indatjana.

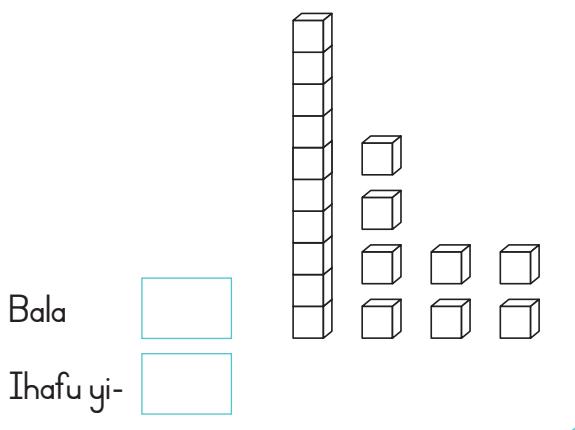


Bala izinto bese ukhalara ihafu yazo.



Bala

Ihafu yi-



Bala

Ihafu yi-



Qedelela okulandelako bese uyagwala:

U-12 nakabuyelelw  
kibili ipendulo ngu-

 + 

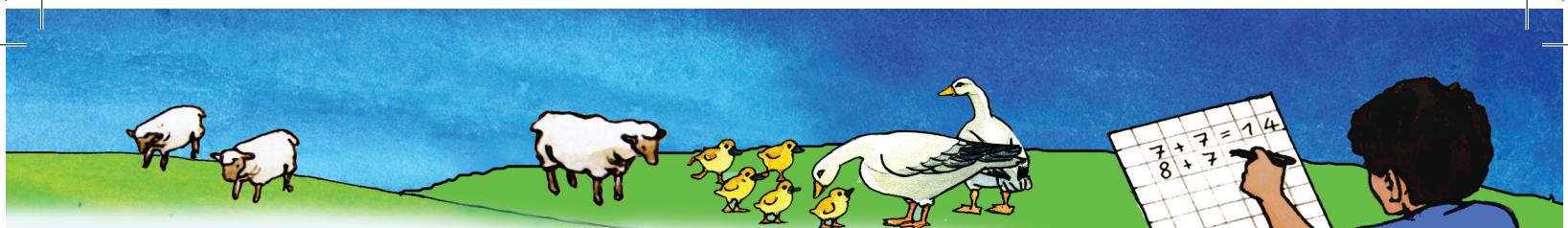

Qedelela:

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

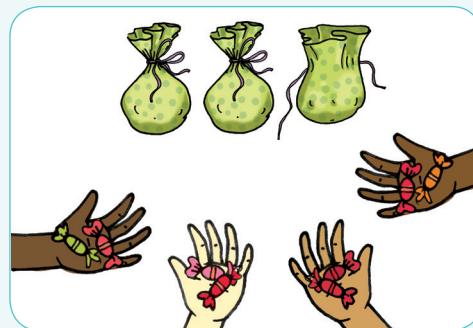
8	
<input type="text"/>	<input type="text"/>

<input type="text"/>	<input type="text"/>
<input type="text"/>	2

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



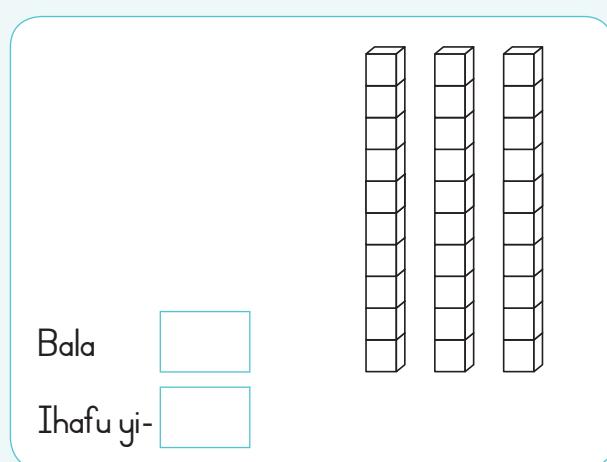
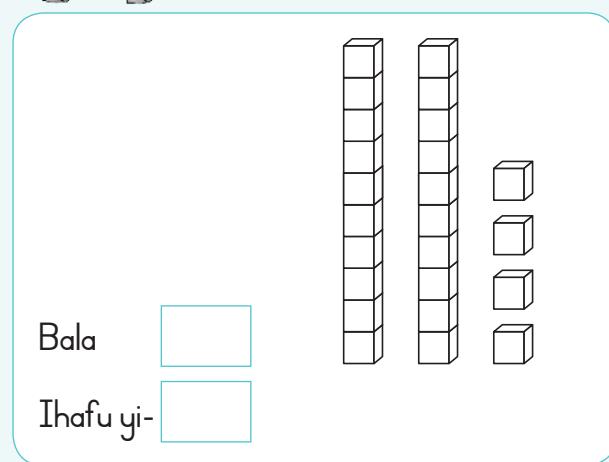
Qala iinthombe ezimbili. Yakha yakho indatjana.



Kunamaswidi ali-10  
ngesikhwanyaneni.



Bala izinto bese ukhalara ihafu yazo.



Qedelela okulandelako bese uyagwala:

U-16 nakabuyelelw

kabili ipendulo ngu-

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



Qedelela:

34	22	19	36	40

Teacher:  
Sign:  
Date:

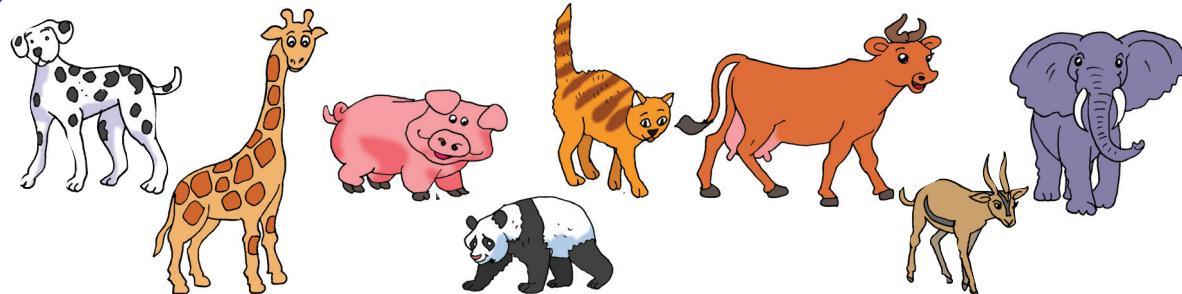


Ilanga:

## 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  
lezinja      Iinyawo  
isilwana ngasinye

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

Inani  
lezinja      Amehlo  
isilwana ngasinye

Iinyamazana  
zemmangweni

Qdedelela okulandelako:

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

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



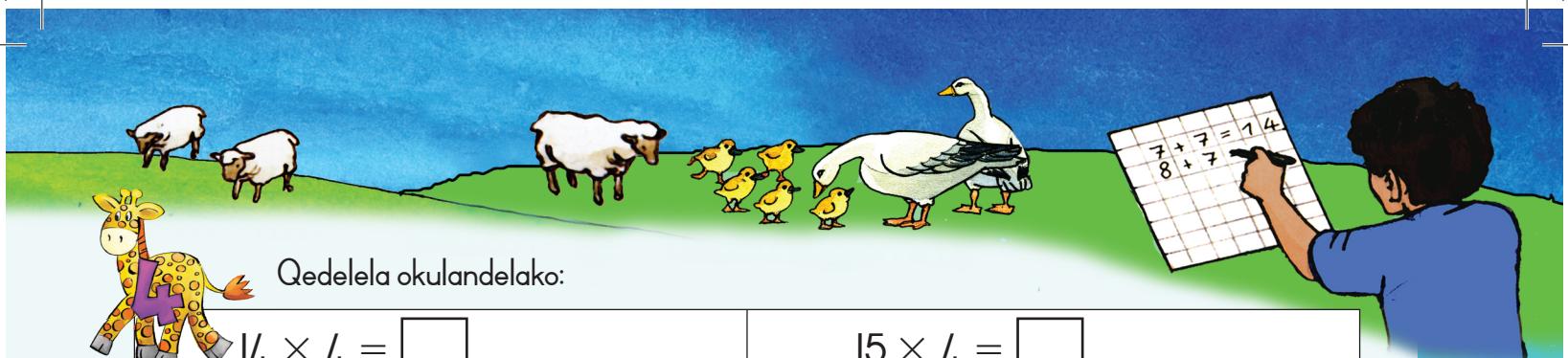
Qdedelela okulandelako:

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

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

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

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



Qedelela okulandelako:

$14 \times 4 = \square$

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

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

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

$$= 40 + 16$$

$$= 56$$



$15 \times 4 = \square$

$$\begin{array}{r} 1 \quad 0 \\ \times \quad 5 \\ \hline \end{array} \times 4$$

$$= \begin{array}{r} \square \\ + \quad \square \end{array} \times \square$$

$$= \begin{array}{r} \square \\ \times \quad \square \end{array} + \begin{array}{r} \square \\ \times \quad \square \end{array}$$

$$= \begin{array}{r} \square \\ + \quad \square \end{array}$$

$$= \square$$



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



Qedelela 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



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## Amaphetheni neenomboro

Ithemu 3



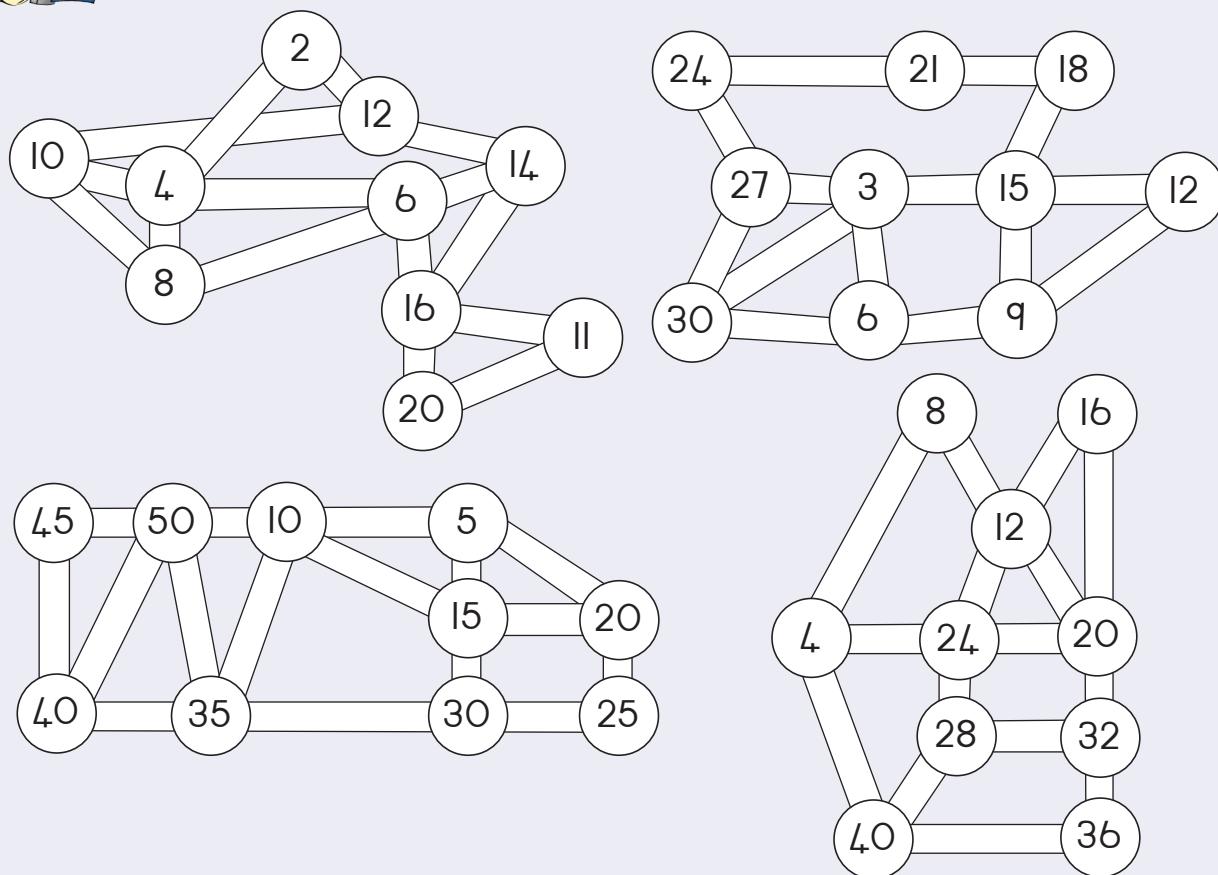
Izokuba yini inomboro ekarini?



Ilanga:



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:

Sign:

Date:

90

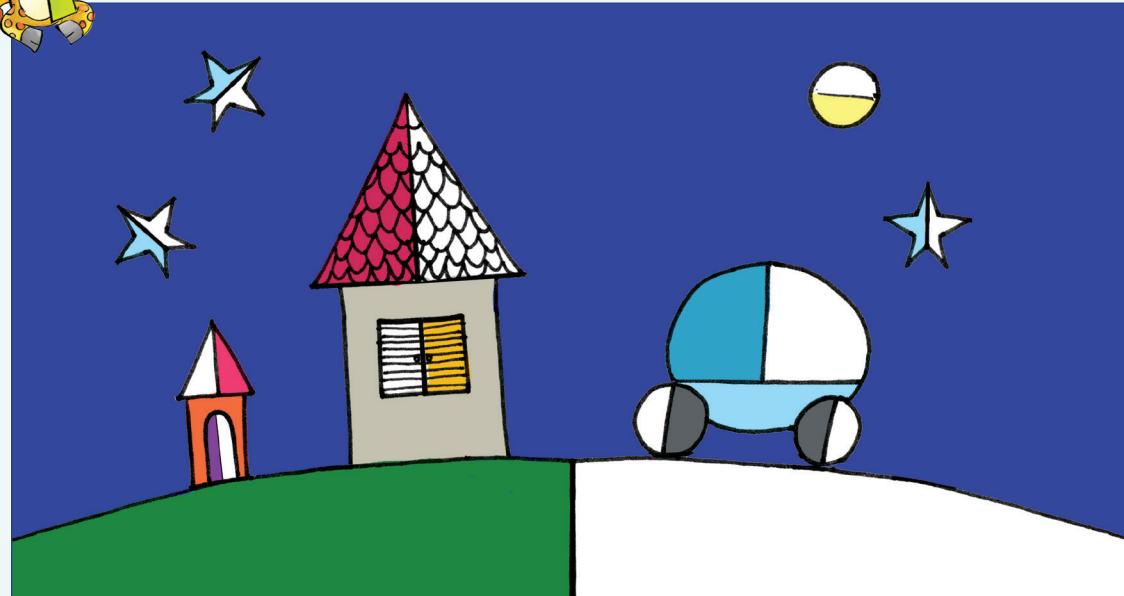


## Amacezu – abohafu

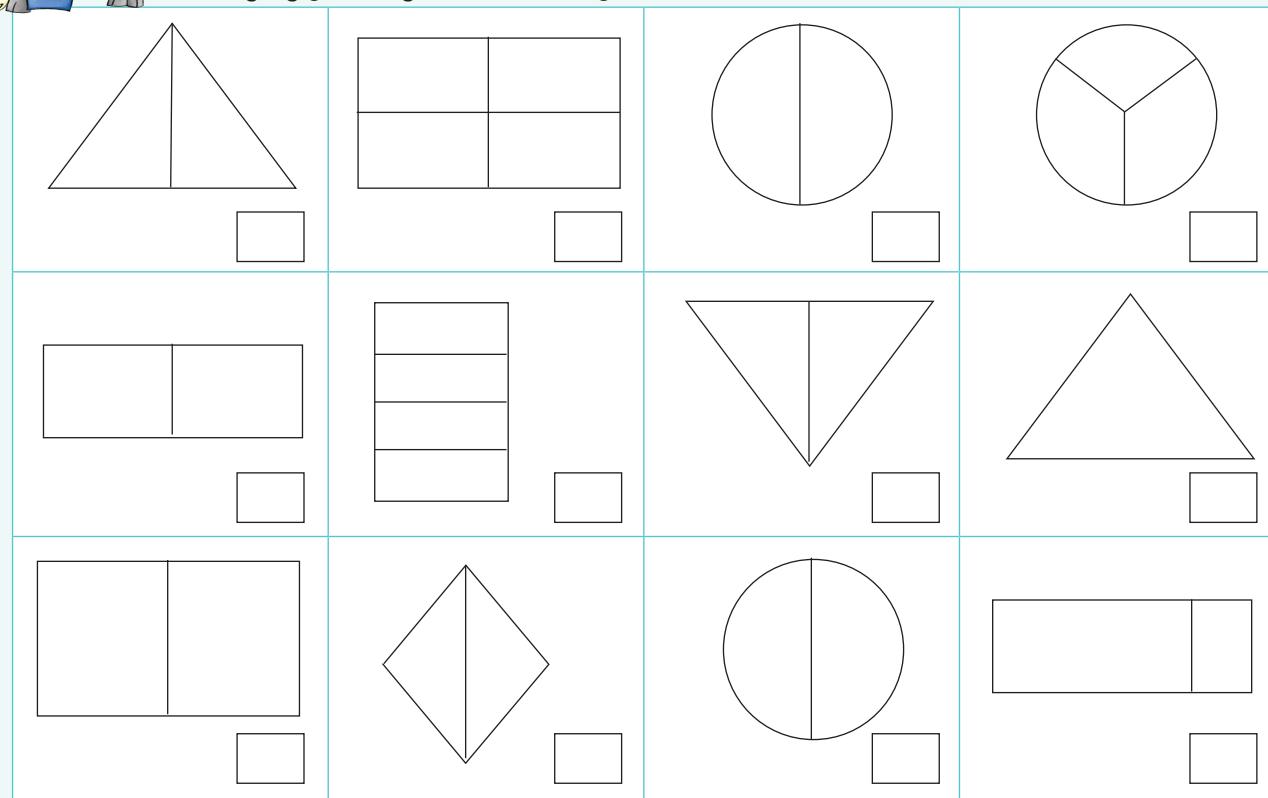
Ithemu 3



Qala isithombe. Khalara enye ihafu ngombala ofanako.

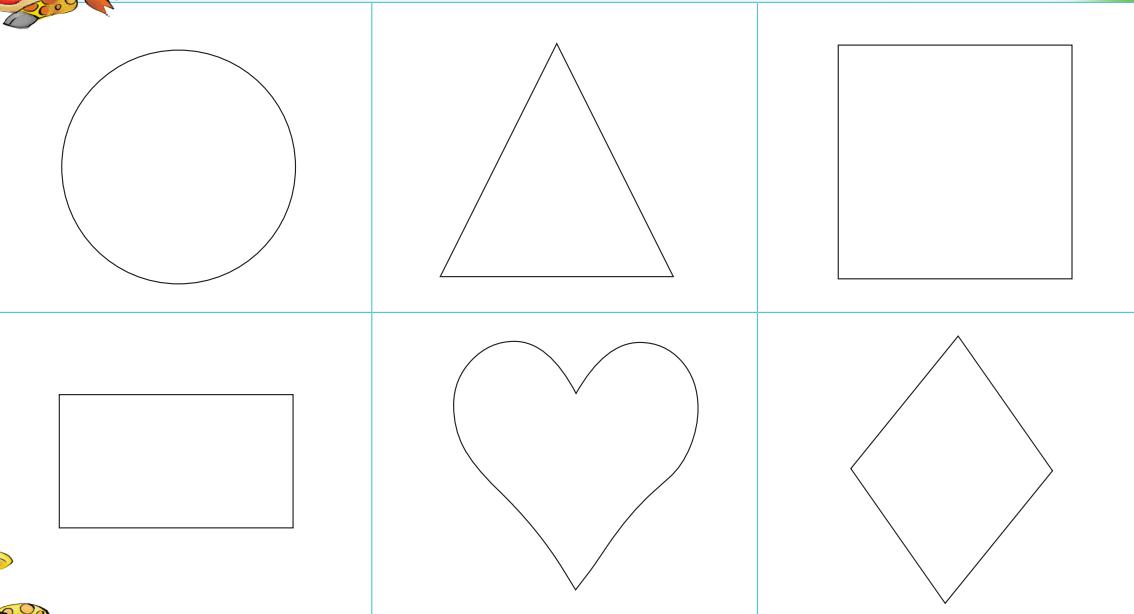


Qala iinthombe. Thika amajamo atjengisa abohafu. Khalara ihafu enye nenyeyejamo eyahlukaniswe ngabohafu.

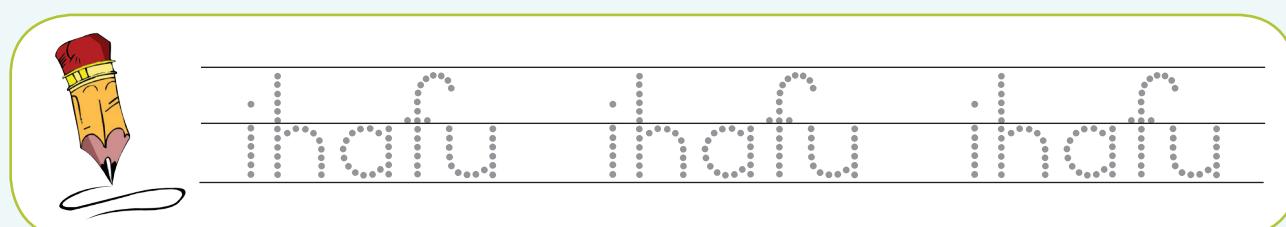
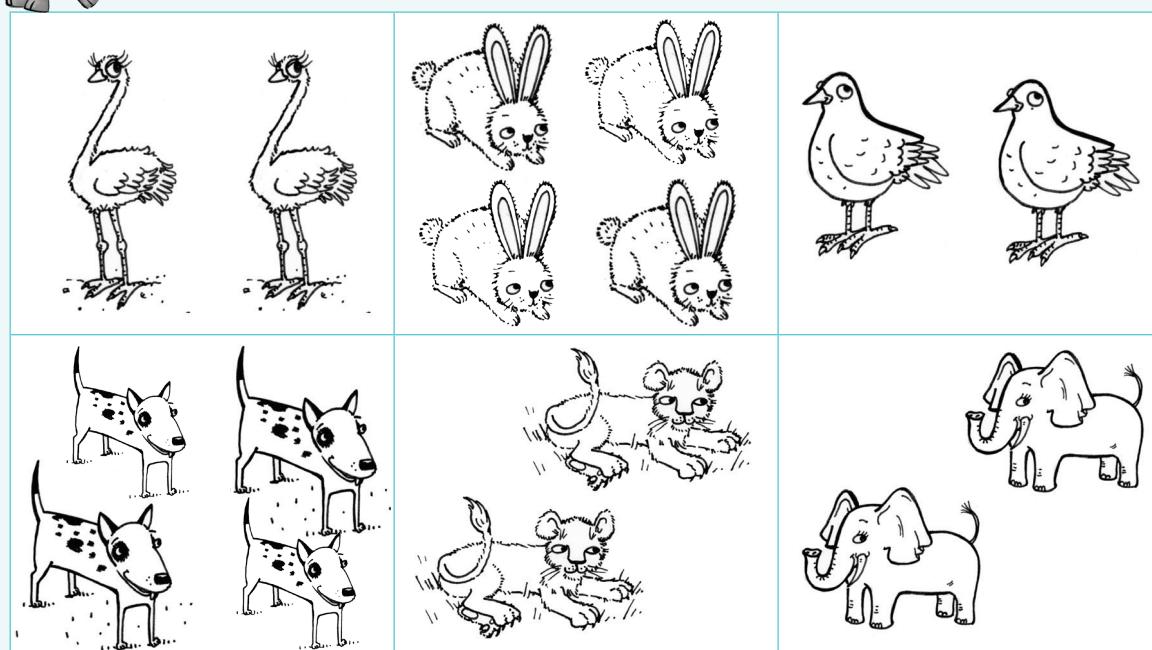




Khalara ihafu enye nenyenye yejamo.



Khalara ihafu yeenlwana ngebhlogweni ngalinye.



q



## Amacezu – amanye amahafu

Ithemu 3



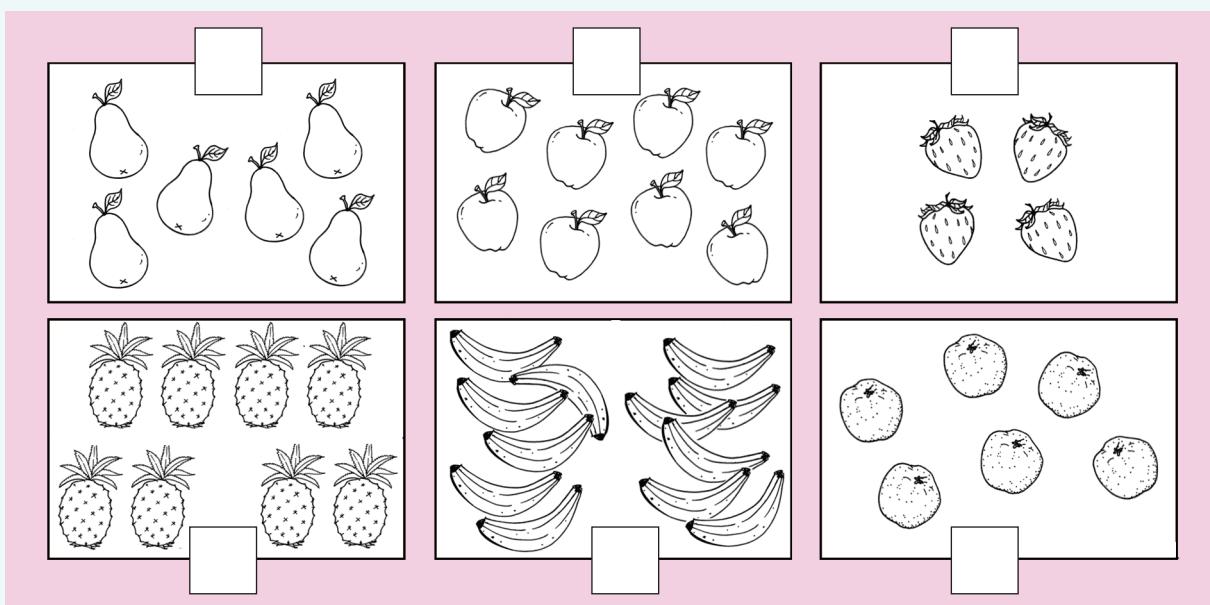
Qala isithombe. Ihafu yinye itjho ukuthini?

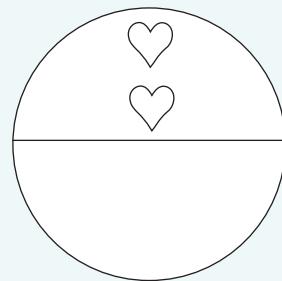
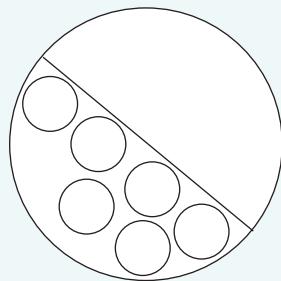
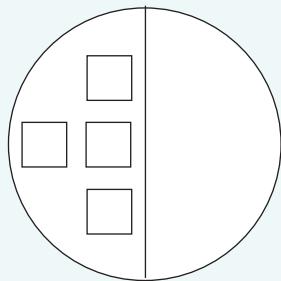
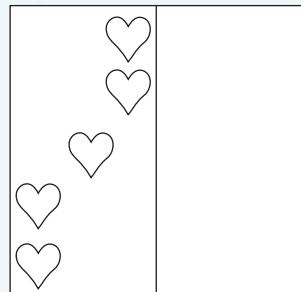
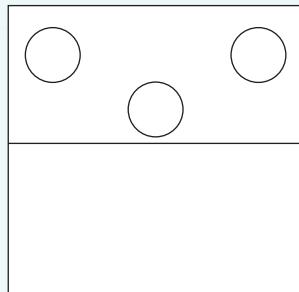
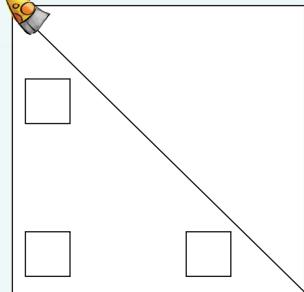
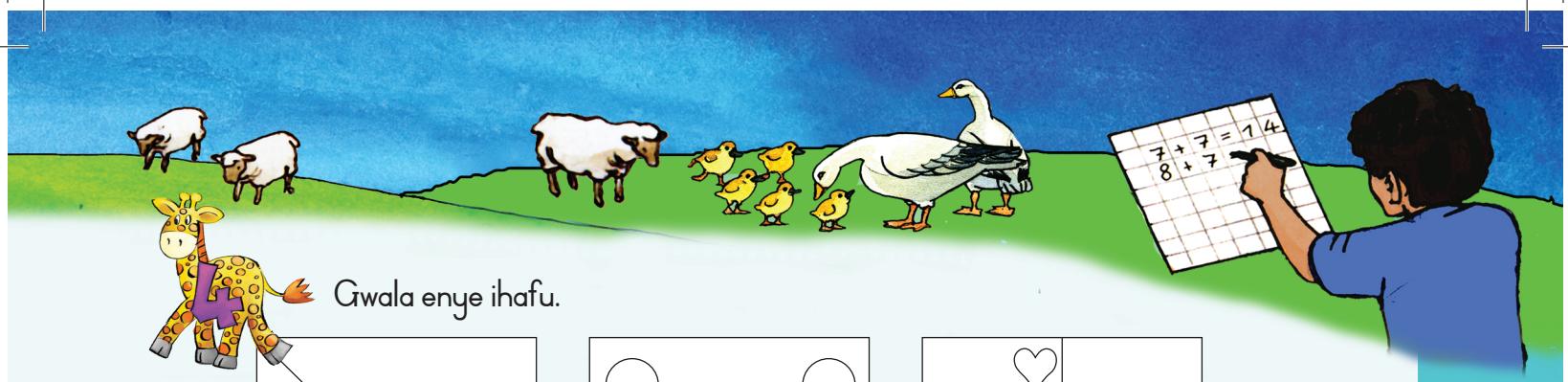


Ihafu eyodwa yomuthi wama-apula

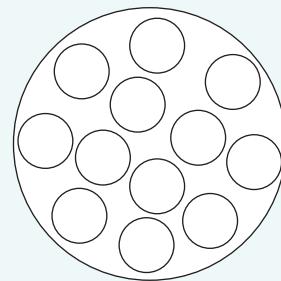
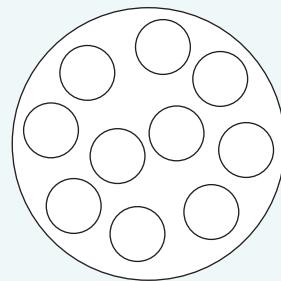
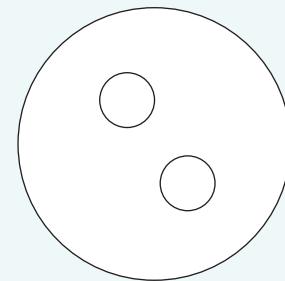
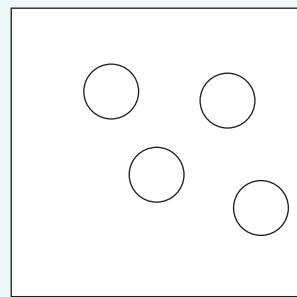
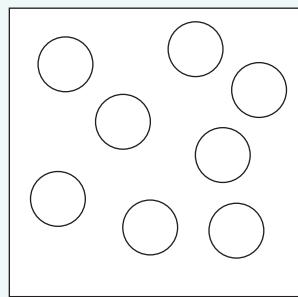
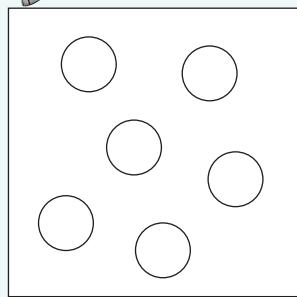


Khalara ihafu eyodwa kwelinye nelinye ibuthelelo leenthelo.  
Iyini ihafu yeenthelo ezisebuthelelwani ngalinye?





Khalara ihafu yamabumbeko.



ihafu ihafu ihafu



q2



## Iindawo nokubonakala

Ilanga:

Ithemu 3

Inyoni ijame kuphi? Amagama azokusiza.



Ukubonakala kwendlu  
ngaphambili.



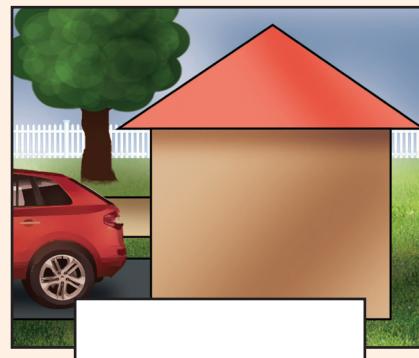
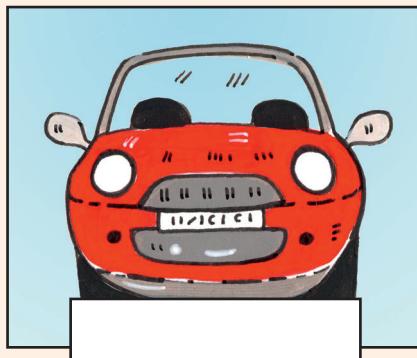
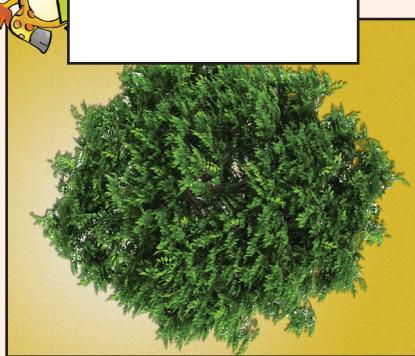
Ukubonakala kwendlu  
ngemahlangothini.



Ukubonakala komakhiwo  
ngaphezulu.

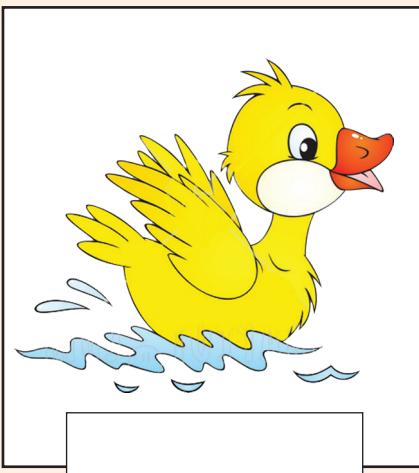


Umuntu lo bekajame kuphi nakabona lokhu?

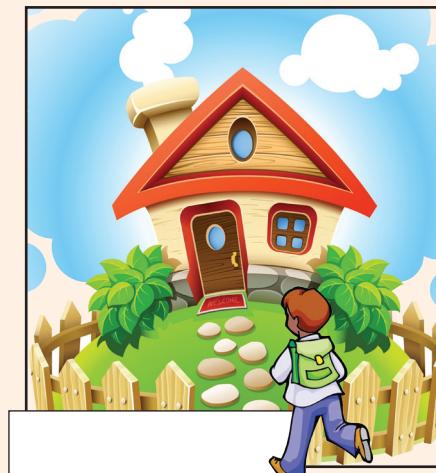


Tlola amagama la esithombeni. Ubona ini umuntu lo?

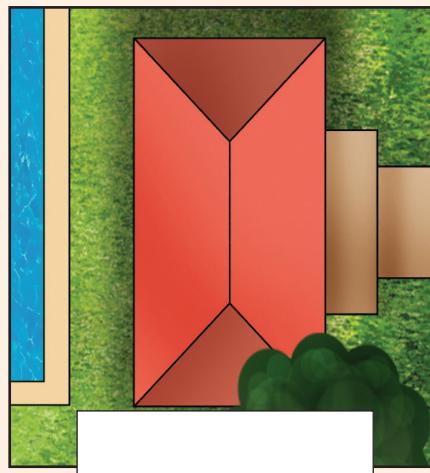
ukubona into ngaphambili



ukubona into ngaphezulu



ukubona into  
ngemahlangothini



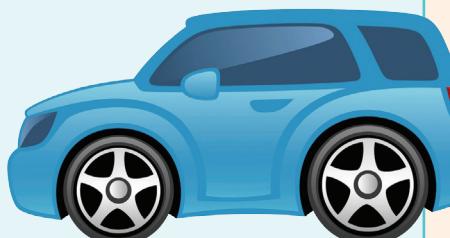


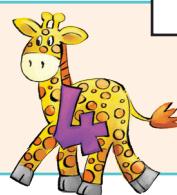
Yitjho kobana ikoloyi ikuphi nomsana. Iseduze nanyana ikude?











Gwala umuthi eduze nakude nomntazana.



**eduze**



**kude**



Yenza umsebenzi lo:

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



Teacher:

Sign:

Date:



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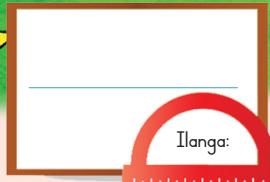
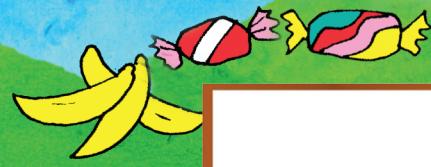
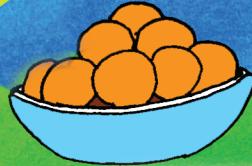
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q3

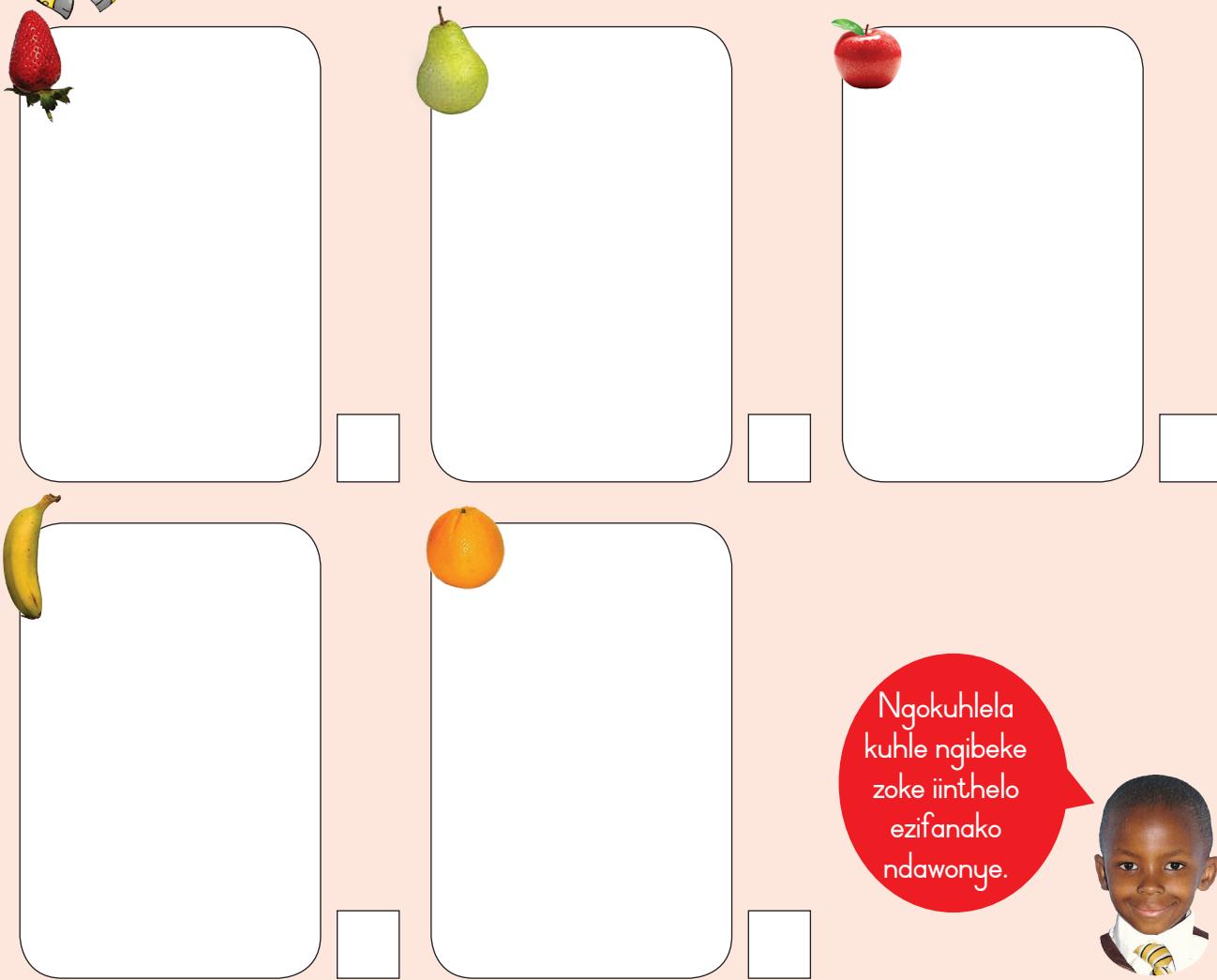


## Eminye godu imininingwana

Ithemu 3



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





Gwala iphikthografu eneenthelo ezihlelekileko.

ISIYELELISO:






Qala umncamo bese uphendula imibuzo.


Phendula umbuzo:

Ngisiphi isithelo esinaso ngobunengi?

Ngisiphi isithelo esinaso kancani?



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94a

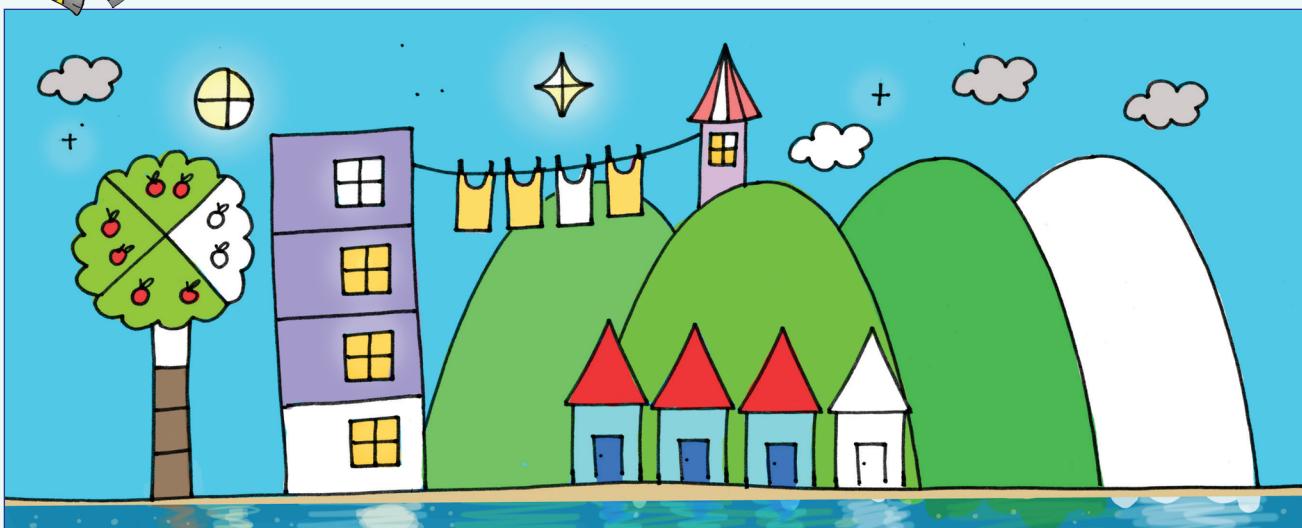


## Amacezu – amakota

Ithemu 3

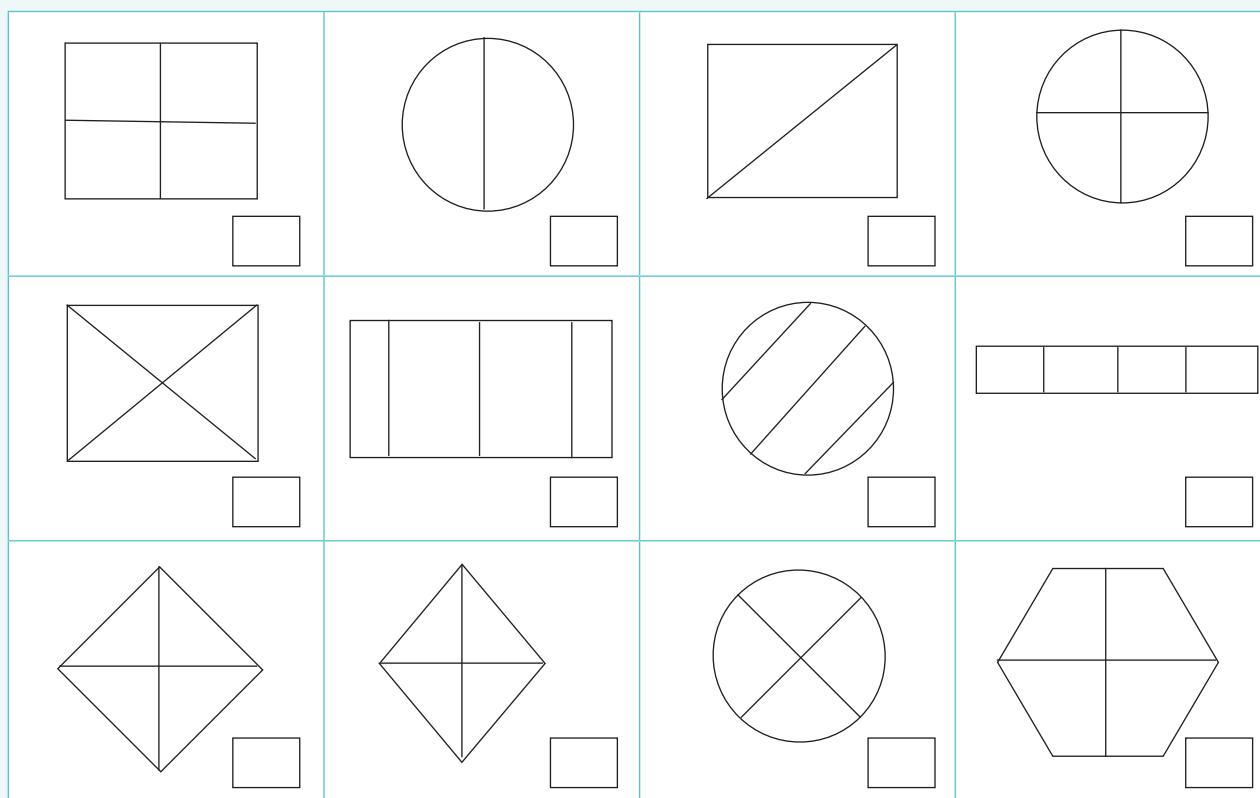


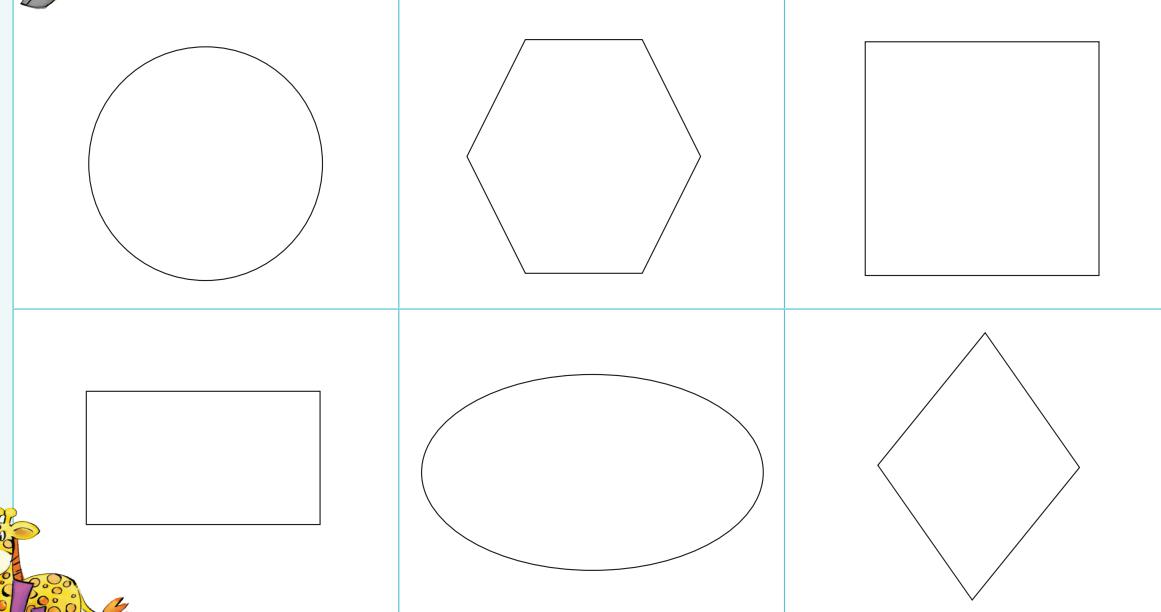
Khalara ikota yokugcina ngombala ofanako.



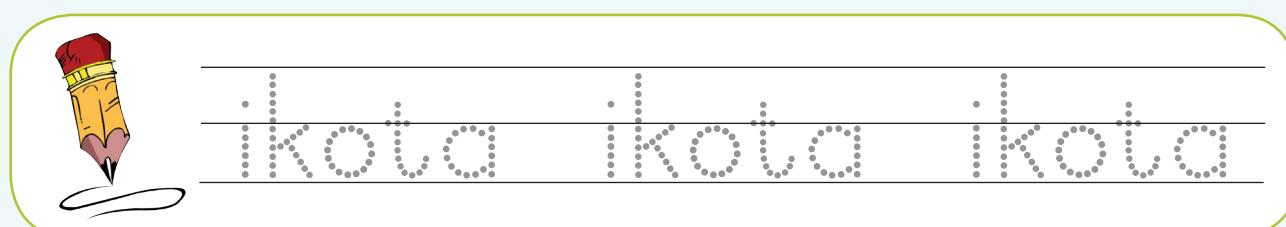
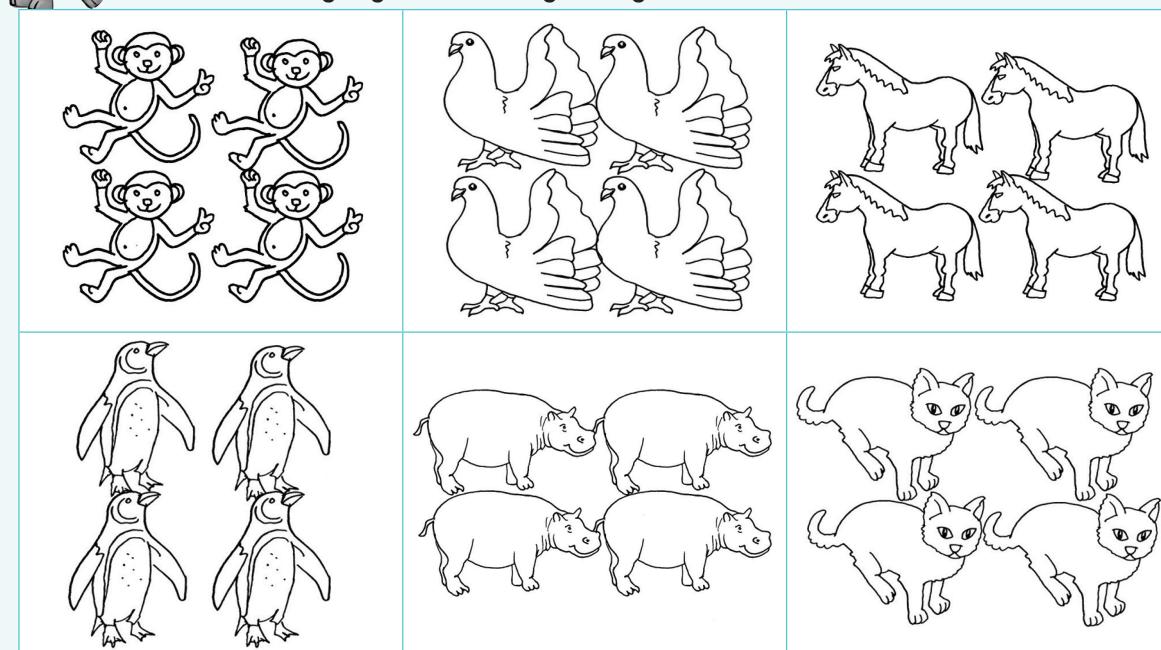
Thika amajamo atjengisa amakota.

Khalara enye nenyé ikota yejamo eyahlukaniswe ngamakota.





Khalara ikota yen Yamazana enye neny.



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

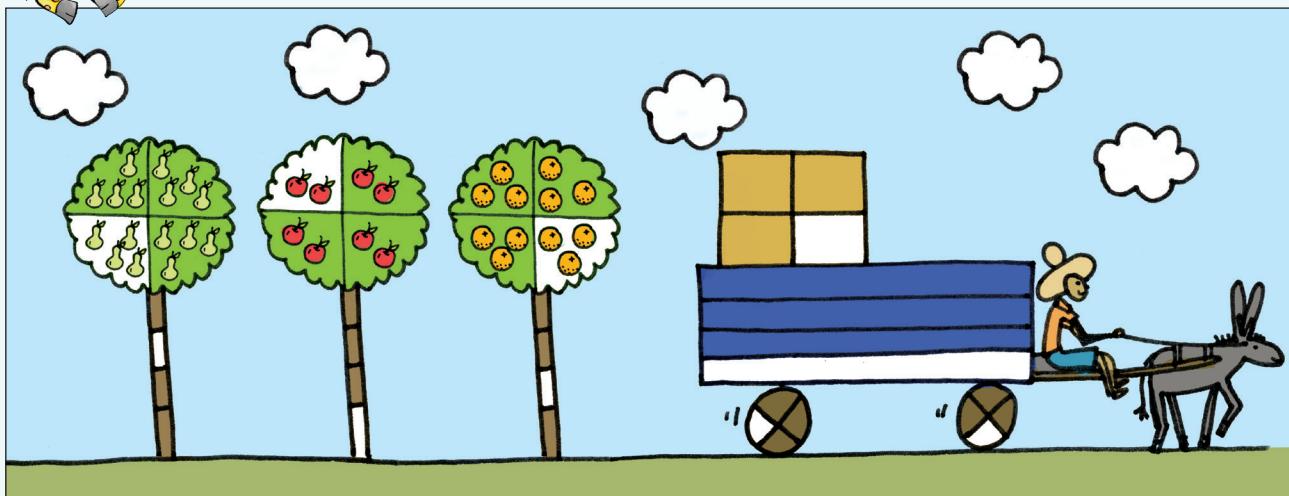
94b



## Amacezu – amanye amakota

Khalara ikota yokugcina ngombala ofanako.

Ithemu 3



Phendula okulandelako:

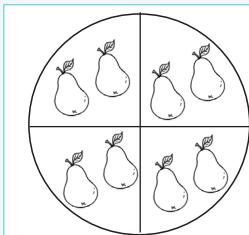
Nawukhupha i- $\frac{1}{4}$  yamapiyere emthini ipendulo \_\_\_\_\_.

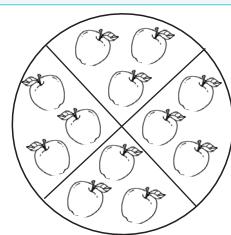
Nawukhupha i- $\frac{1}{4}$  yama-apula emthini yi-\_\_\_\_\_.

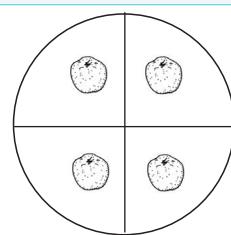
Nawukhupha i- $\frac{1}{4}$  yama-orentji emthini yi-\_\_\_\_\_.

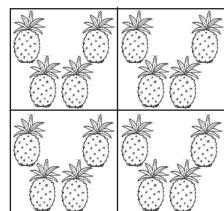


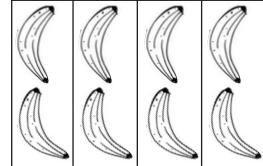
Khalara i- $\frac{1}{4}$  yesithelo kesinye nesinye isiqhema. Sithini isibalo seenthelo kenyenye ikota?

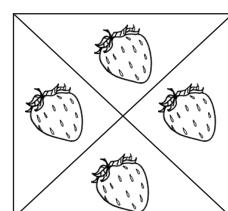


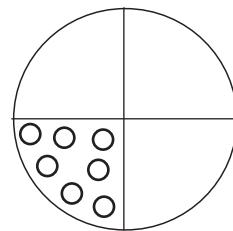
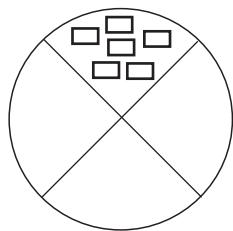
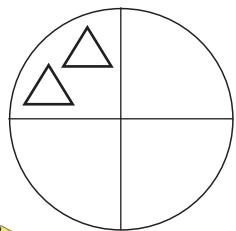
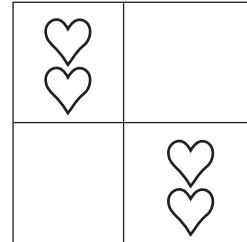
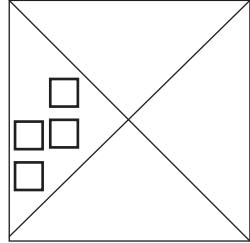
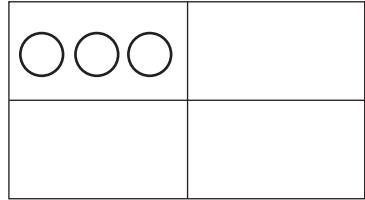




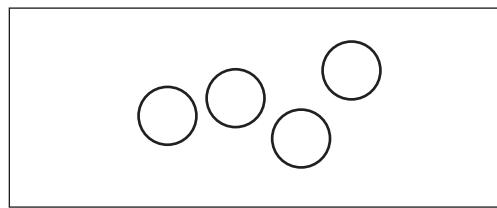
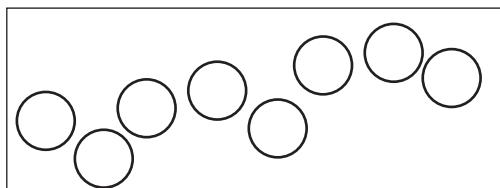




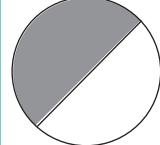
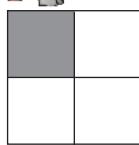




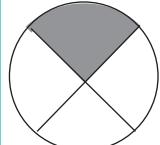
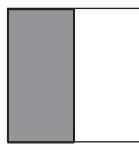
Thengisa ikota yamajamo.



Ngikuphi okukhulu? Thika ipendulo enembako.



ihafu yinye



ikota yinye



ikota

amakota



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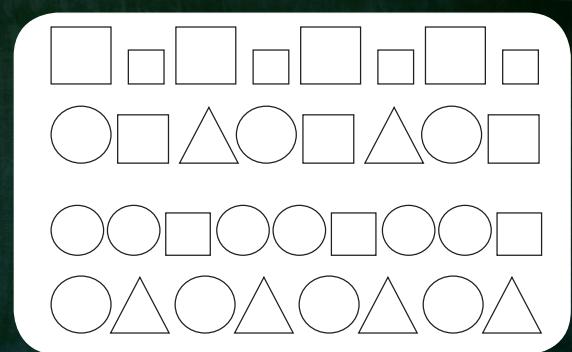
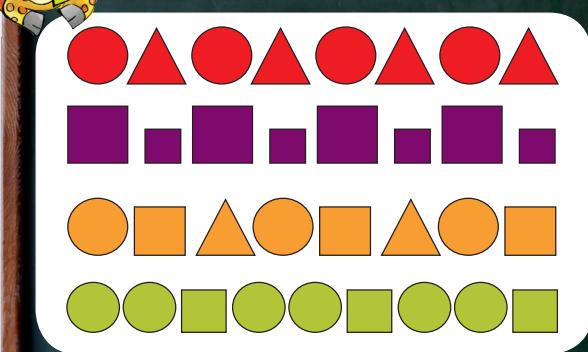
# Amaphetheni weenomboro anamajamo

Ilanga:

Ithemu 3

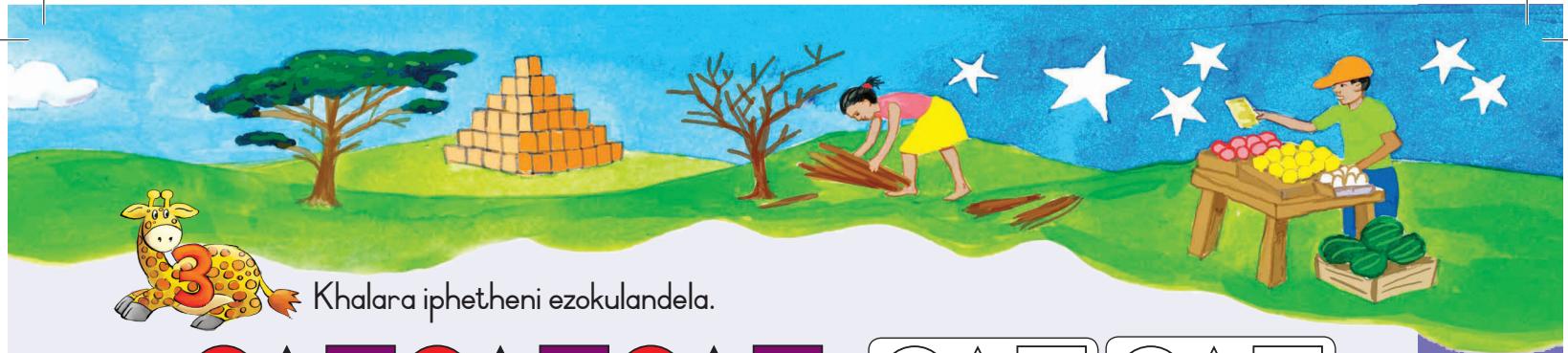


Madanisa iphetheni.



Kopulula iphetheni elandelako.

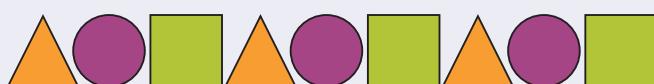




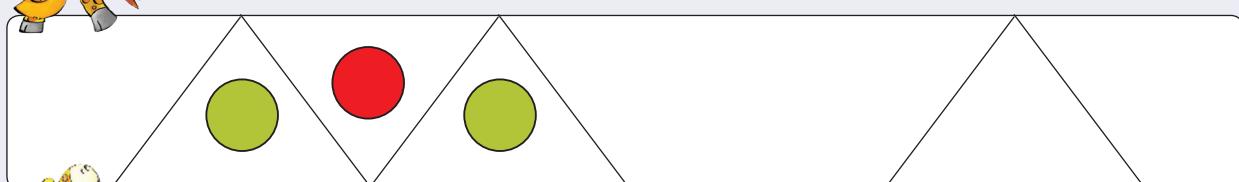
**3** Khalara iphetheni ezokulandela.



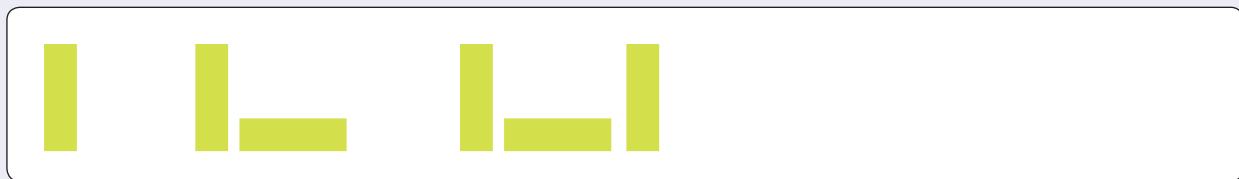
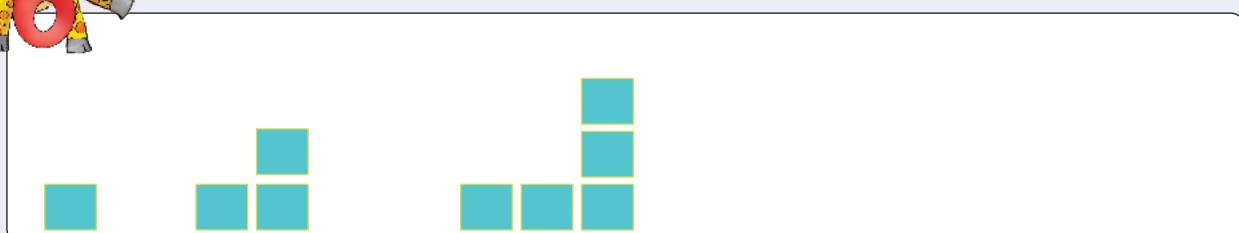
Gwala iphetheni elandelako.



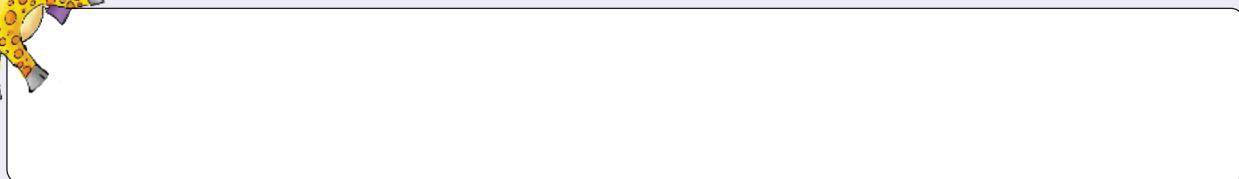
Yelula iphetheni.



Gwala iphetheni elandelako.

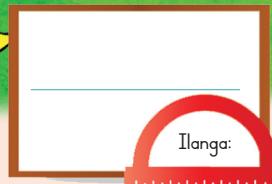


Gwala iphetheni yakho.



Teacher:
Sign:
Date:

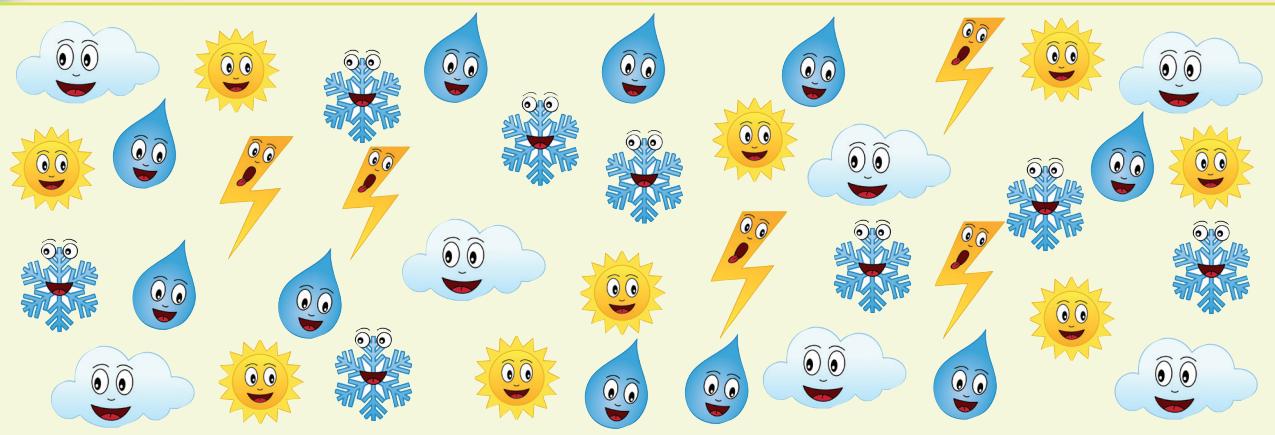
qb



Ilanga:

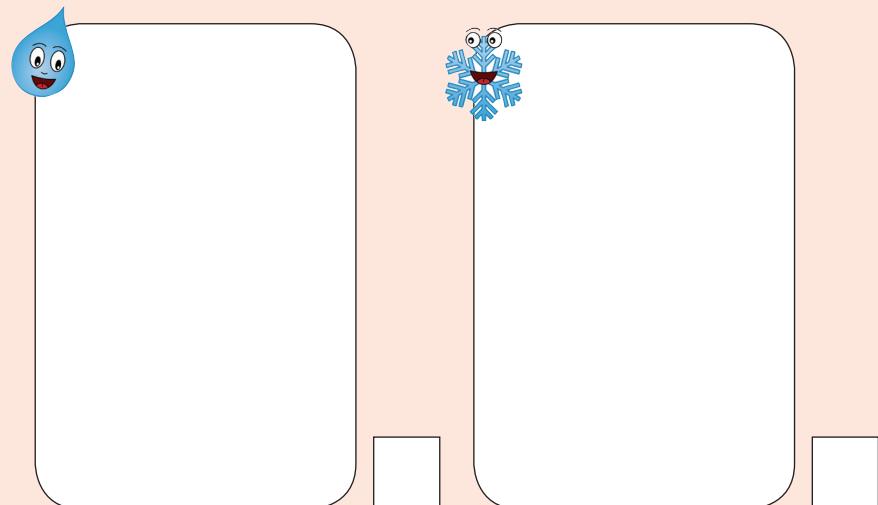
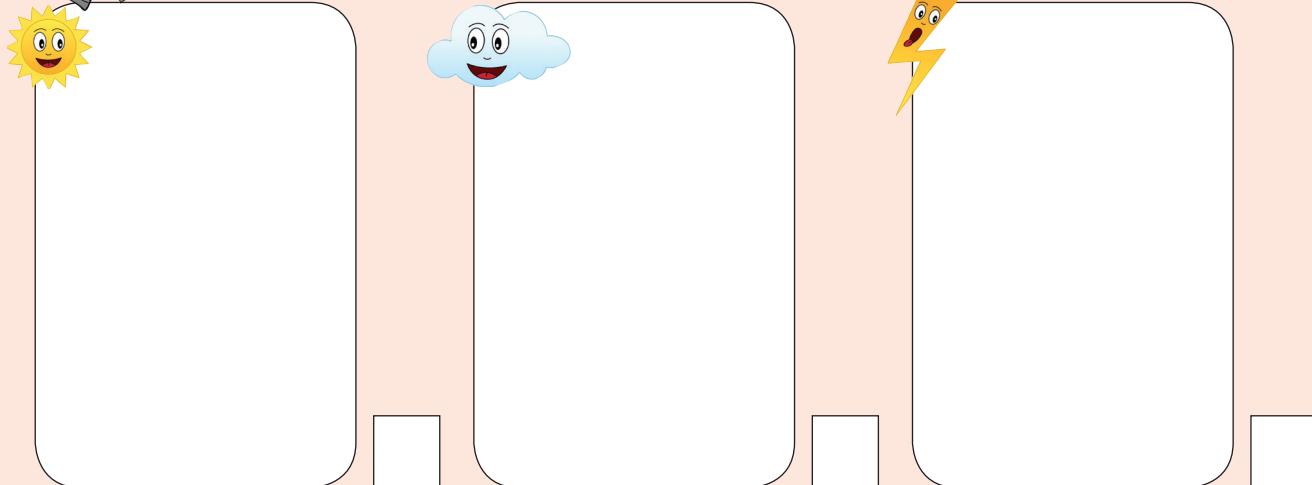
## Ukuhlela imininingwana

Ithemu 3



Hlela amatshwayo weeyeleliso zobujamo bezulu ngendlela efaneleko.

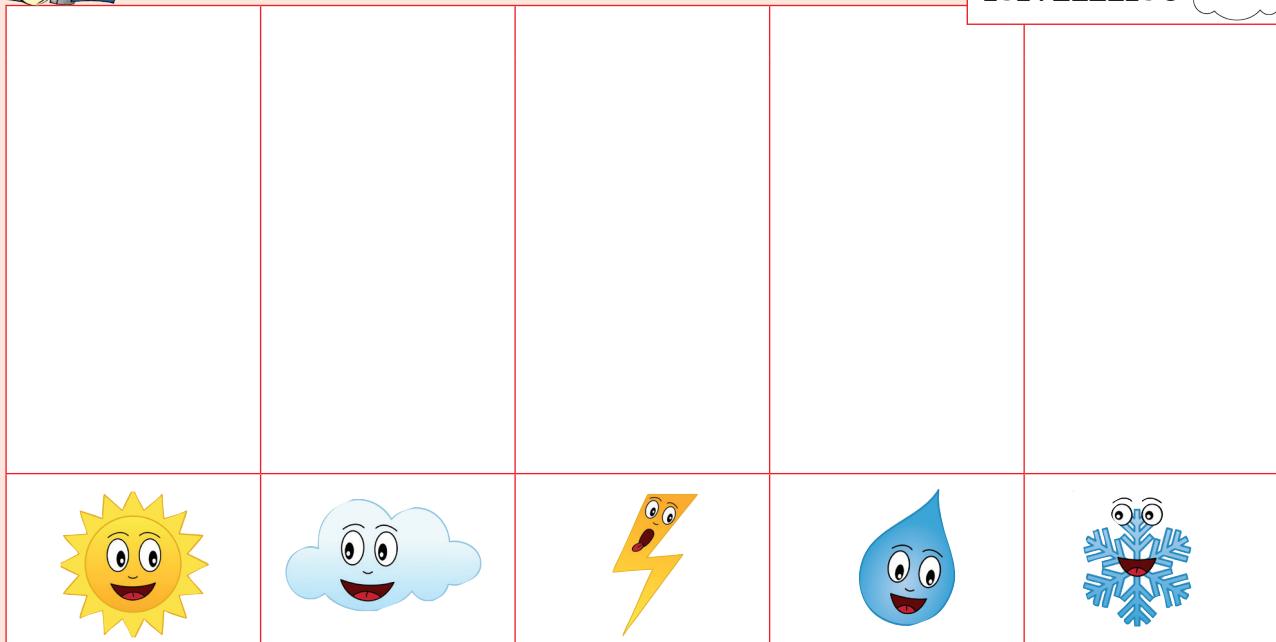
Gwala wakho umgwalo ukhombise. Tlola inani elifaneleko ngebhoksini ngalinye.





Gwala isithombe sephikthografu ukhombise  
ukuhleleka kweenyeliso 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  
isikhathini somnyaka?

Kubayini?

Ingabe lokhu kuzokufana kiwo  
woke amaphrovinsi?



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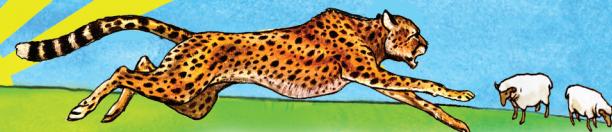
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q7

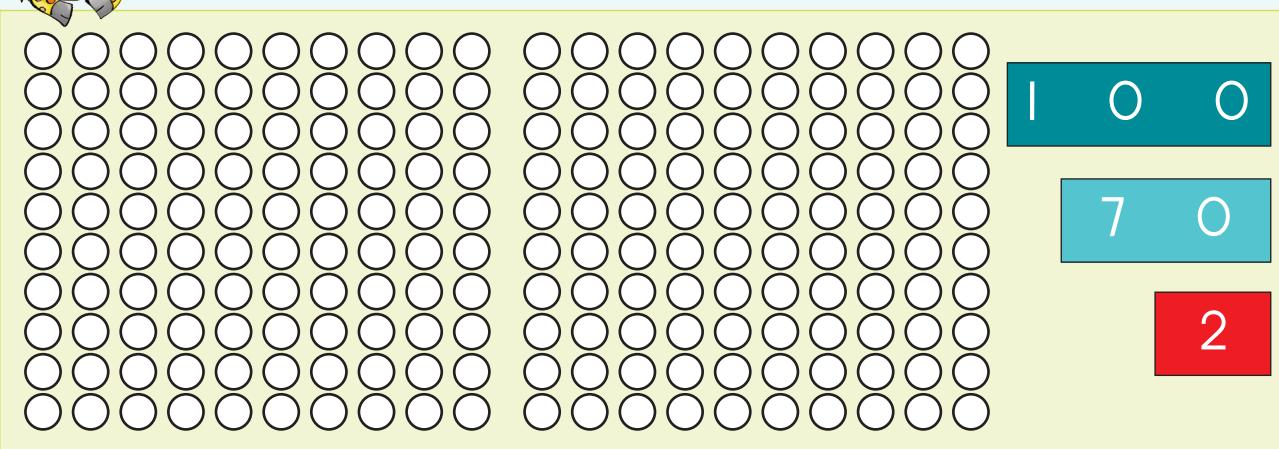


## Iinomboro 150 – 180

Ilanga:



Khalara ngaphakathi kwesiyungi se-172.



Tlola umutjho weenomboro:

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 5 \ 0 \\ \hline 150 \end{array} \quad \begin{array}{r} 1 \ 0 \ 0 \\ + 8 \\ \hline 158 \end{array}$$

$100 + 50 + 8 = 158$

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

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

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 6 \ 0 \\ \hline 160 \end{array} \quad \begin{array}{r} 1 \ 0 \ 0 \\ + 7 \\ \hline 107 \end{array}$$

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 7 \ 0 \\ \hline 170 \end{array} \quad \begin{array}{r} 1 \ 0 \ 0 \\ + 2 \\ \hline 102 \end{array}$$

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



Ngiziphi iinomboro eziza hlangana:

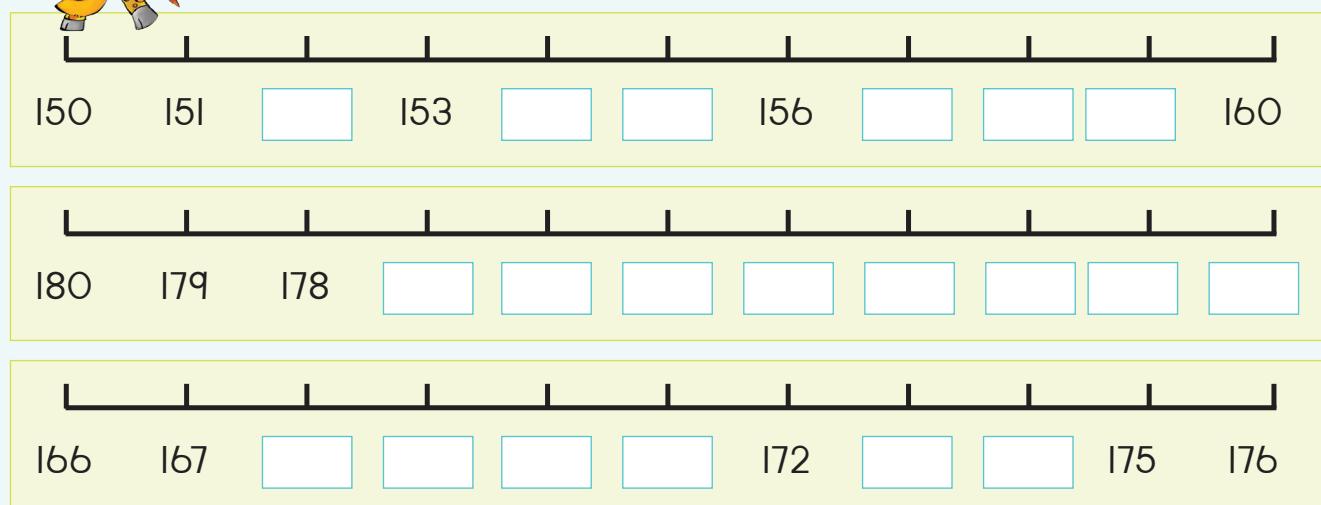


Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu  
kunenomboro enikelweko.

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.



q8

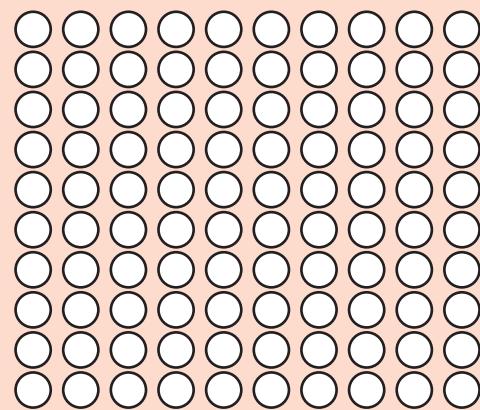
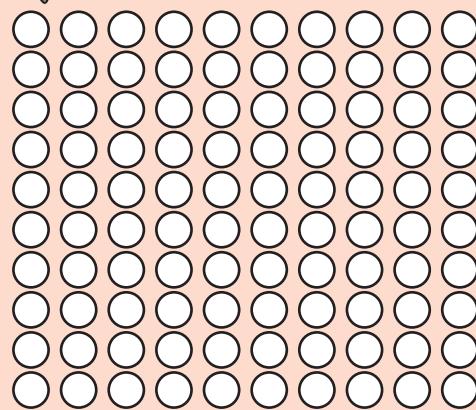


## Iinomboro 170 – 200

Ilanga:



Khalara ngaphakathi kwesiyingi se-199.



I	0	0
---	---	---

q	0
---	---

q
---



Tlola inomboro ejamele:

I	0	0
---	---	---

7	0	7
---	---	---

$$100 + 70 + 7 = 177$$



I	0	0
---	---	---

q	0	3
---	---	---

$$=$$

I	0	0
---	---	---

8	0	1
---	---	---

$$=$$

I	0	0
---	---	---

q	0	5
---	---	---

$$=$$

I	0	0
---	---	---

q	0	q
---	---	---

$$=$$

I	0	0
---	---	---

7	0	q
---	---	---

$$=$$



Ngiziphi iinomboro eziza hlangana?

170 ne 175

\_\_\_\_\_

198 ne 195

\_\_\_\_\_

180 ne 175

\_\_\_\_\_

168 ne 173

\_\_\_\_\_

200 ne 196

\_\_\_\_\_

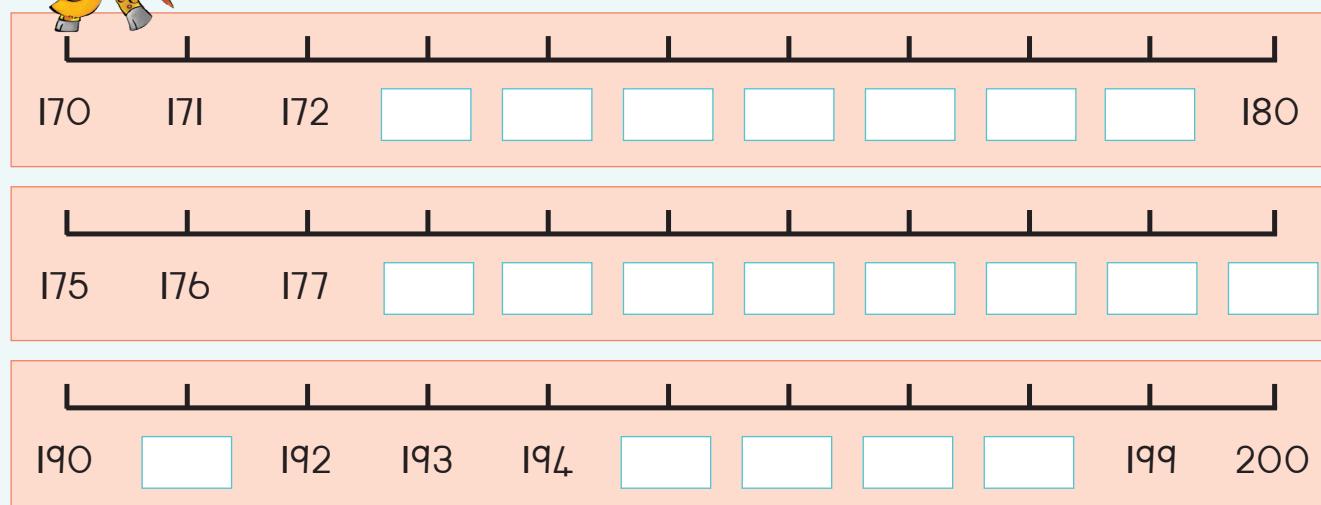


Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu  
kunenomboro enikelweko.

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



Qedelela amanambalayini.

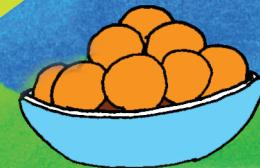


Sika iinomboro ezintathu ezihangana kwe-170 nama-200 emagazinini nanyana  
ephephandebeni. Zinamathisele lapha kusuka kekulukhulu kuya kencani khulu.



Teacher:  
Sign:  
Date:

qq

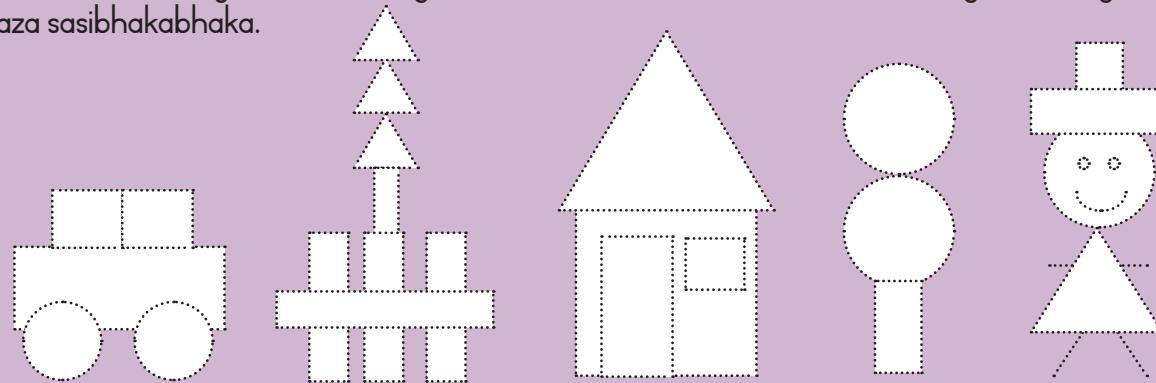


## Amabumbeko anobujamo be-2-D

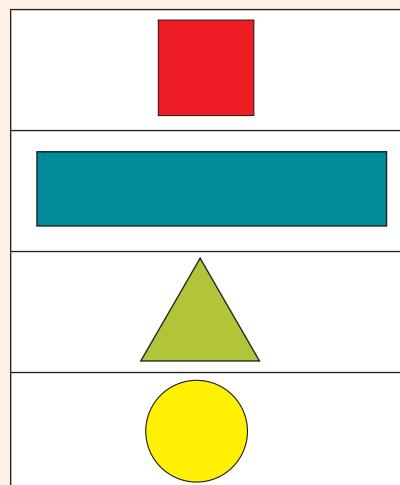
Ilanga:

Ithemu 4

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



Madanisa igama nebumbeko elinembako.



uncantathu

indulunga

isikwere

irekhthengela

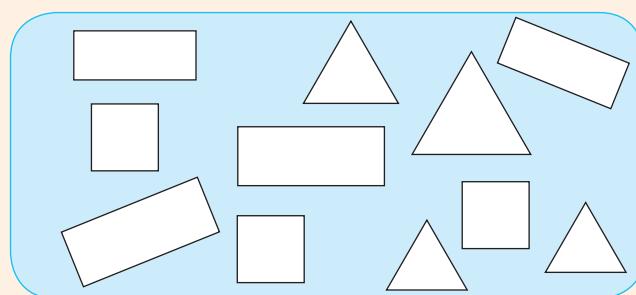
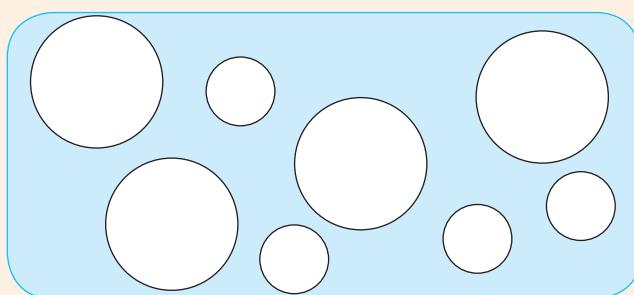


Khalara:

- Iindulunga ezikulu ngombala obovu
- Iindulunga ezincani ngombala osarulani

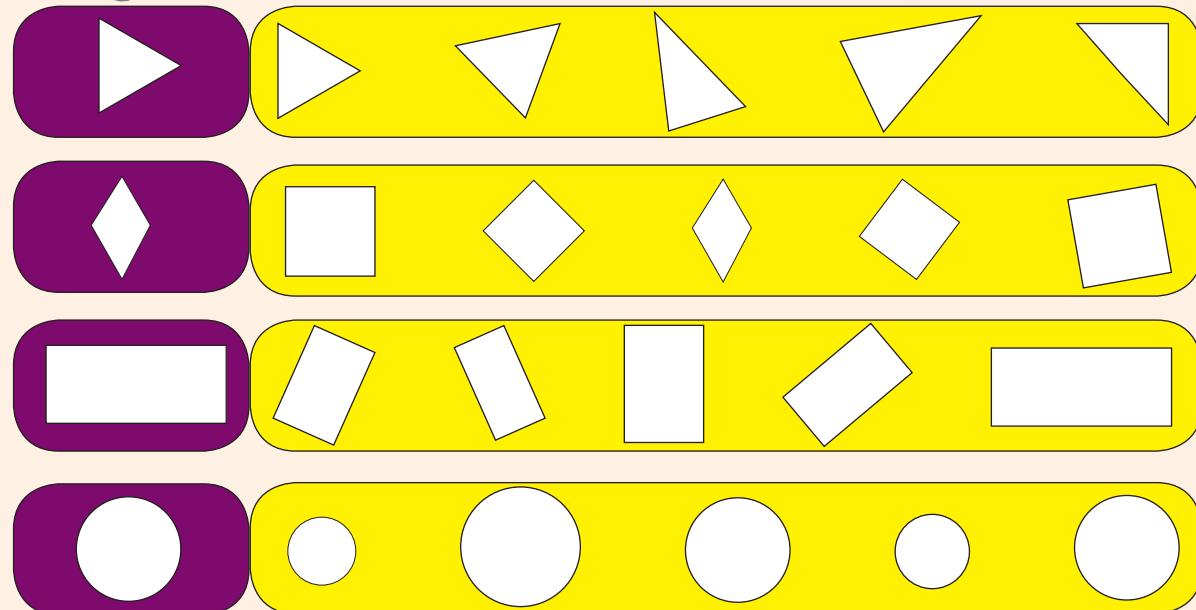
Khalara:

- Amarekhthengeli amakhulu ngombala obovu
- Amarekhthengeli amancani ngombala osarulani





Khalara ijamo elifana nejamo elisekuthomeni.

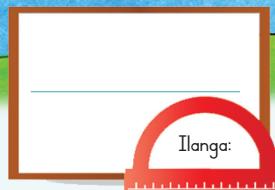
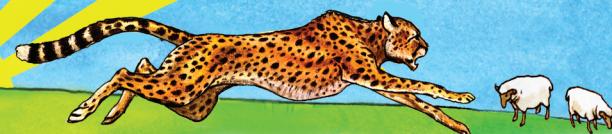


Gwala isithombe sakho usebenzise iinkwere, amarekhthengela, aboncantathu kanye neendulunga.

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



100



## Iinomboro 0 – 200

Ithemu 4



Zingaki ezinye iinomboro ezahlukileko ongazakha.

100	40	2
q	50	100
20	1	70
		8



Qedelela okulandelako.

$100 + 40 + q = \boxed{\phantom{000}}$	$100 + 70 + 3 = \boxed{\phantom{000}}$	$100 + 20 + 8 = \boxed{\phantom{000}}$
$100 + 10 + 7 = \boxed{\phantom{000}}$	$100 + 90 + 2 = \boxed{\phantom{000}}$	



Tlola ngemabhoksini anganalitho ngamakhulu, amatjhumi kanye namayunidi ukuqedelela isibalo.

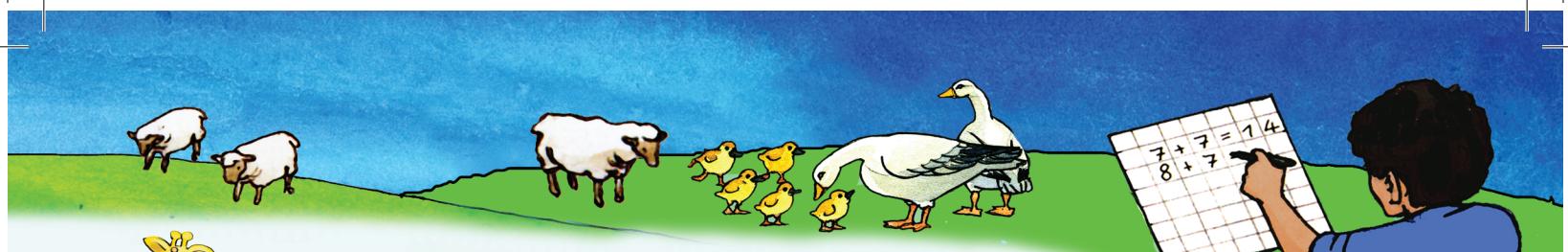
$$181 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{0}}$$

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

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

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

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



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 namadjidi.

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

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



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)?



101



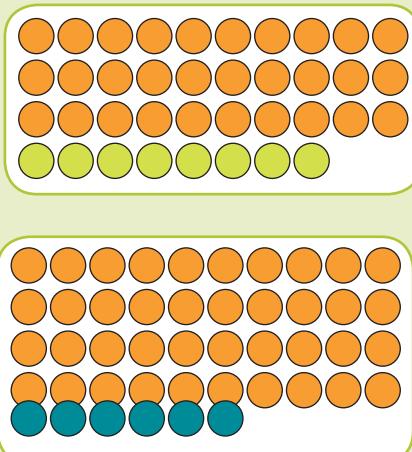
## Ukuhlanganisa nokukhupha

Qala ibhodi yeenomboro nomncamo. Khuluma ngokusebhodini.

Ithemu 4

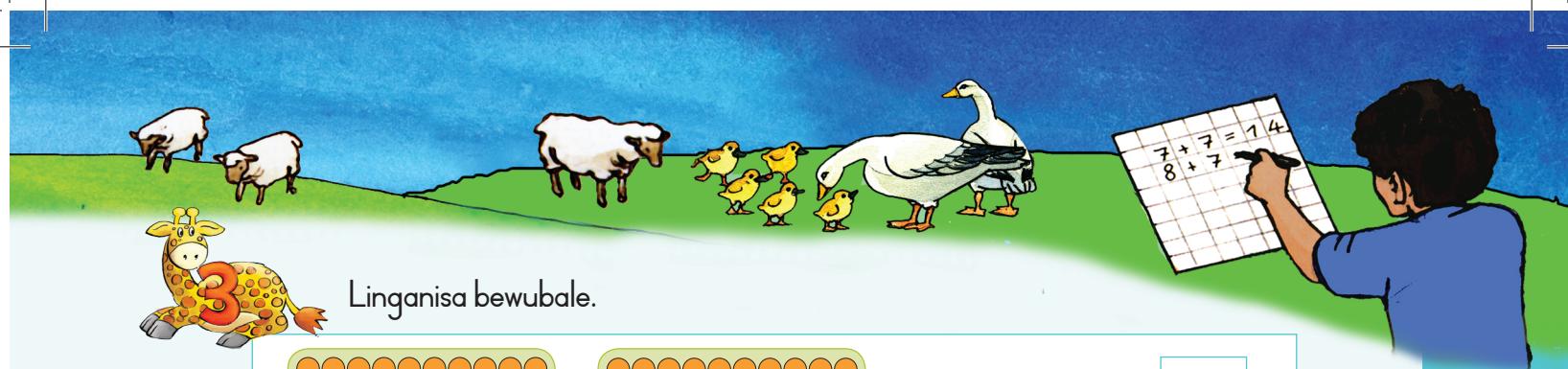


I	2	3	4	5	6	7	8	9	10
II	12	13	14	15	16	17	18	19	20
2I	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50
5I	52	53	54	55	56	57	58	59	60
6I	62	63	64	65	66	67	68	69	70
7I	72	73	74	75	76	77	78	79	80
8I	82	83	84	85	86	87	88	89	90
9I	92	93	94	95	96	97	98	99	100

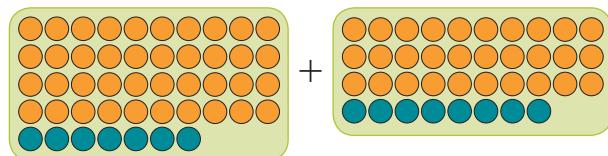


Hlanganisa nanyana ukhuphe.

 $  \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}  $

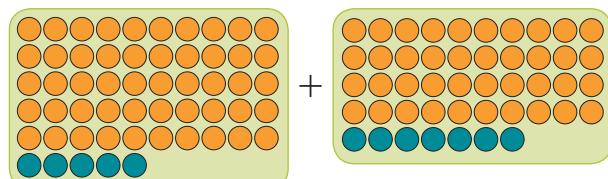


Linganisa bewubale.



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?



Teacher:

Sign:

Date:

# Ukuhlanganisa nokukhupha godu



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

Ilanga:

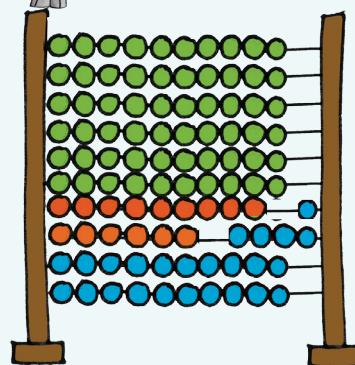
2	0	8	=	6	0	5
3	0	7				

Hlanganisa iimbalo ezimbili

Kulingana na.

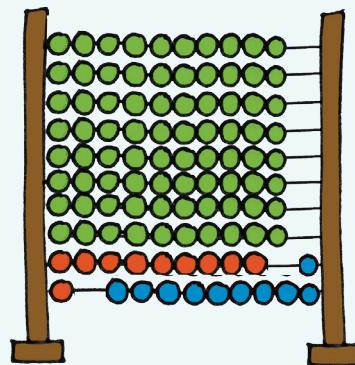


Tlola isibalo esihlanganisako kanye nesikhuphako. Balisasa.



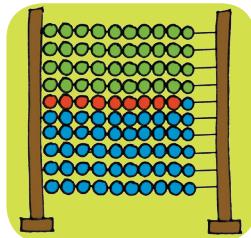
Isibalo esihlanganisako

Isibalo esikhuphako

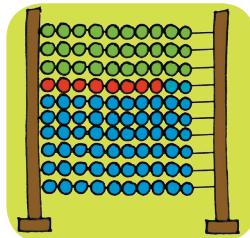


Isibalo esihlanganisako

Isibalo esikhuphako

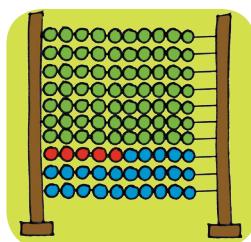


+

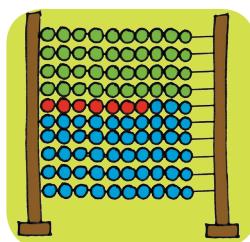


Linganisa

Balisa



-



Linganisa

Balisa



Balisa 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:

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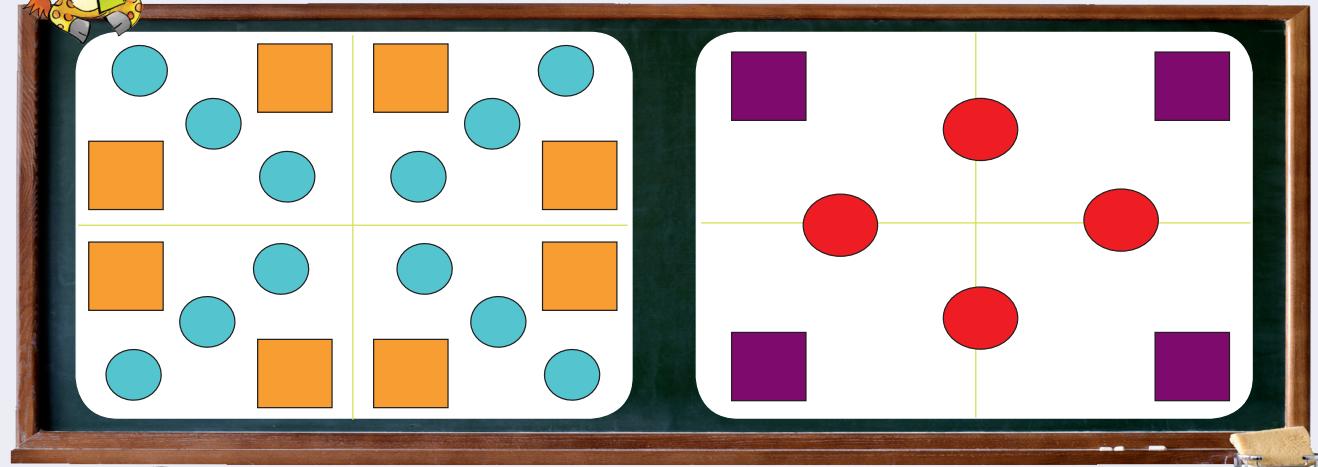
20

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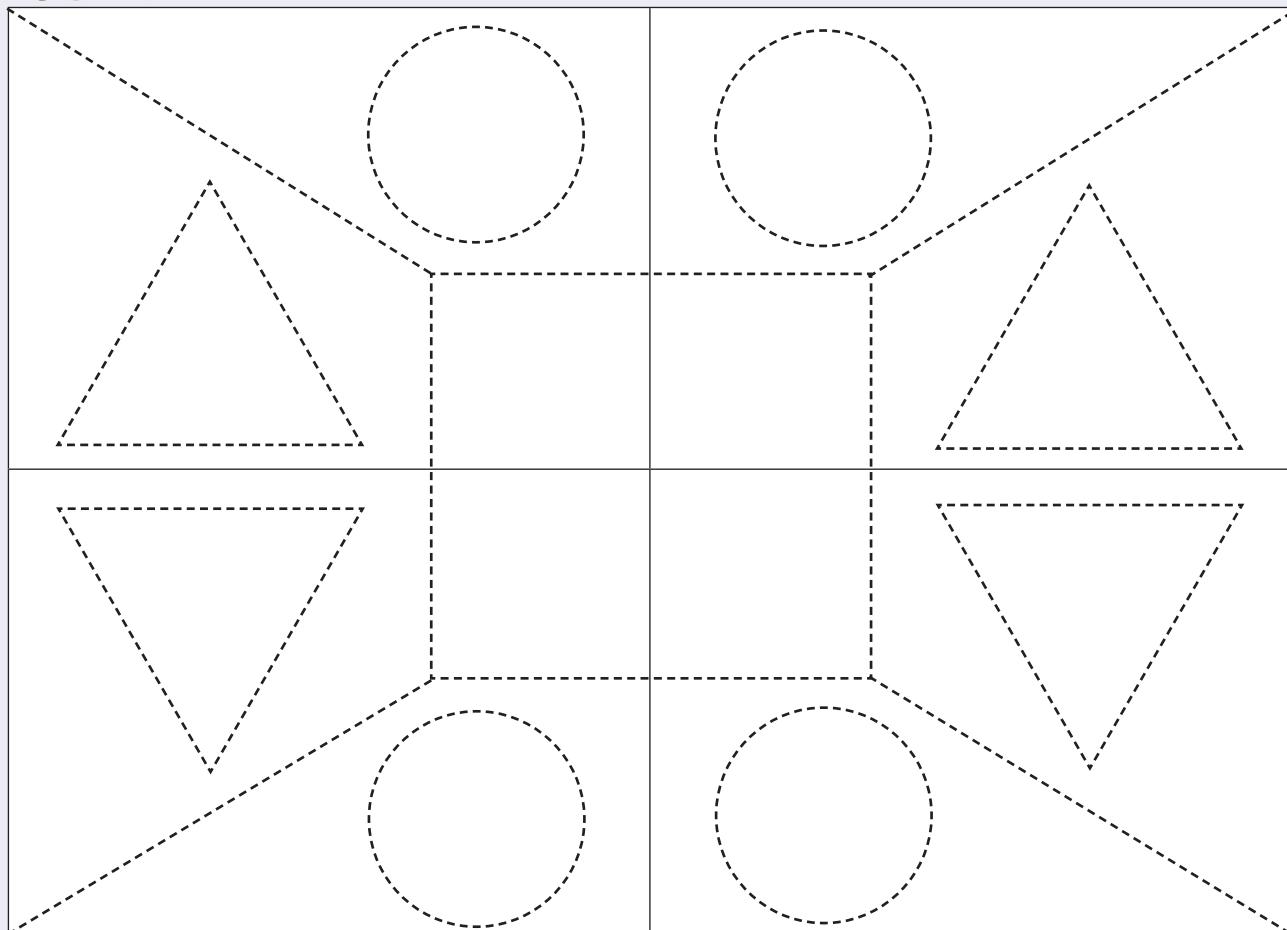
## Okhunye ngamaphetheni weenomboro ezinamajamo

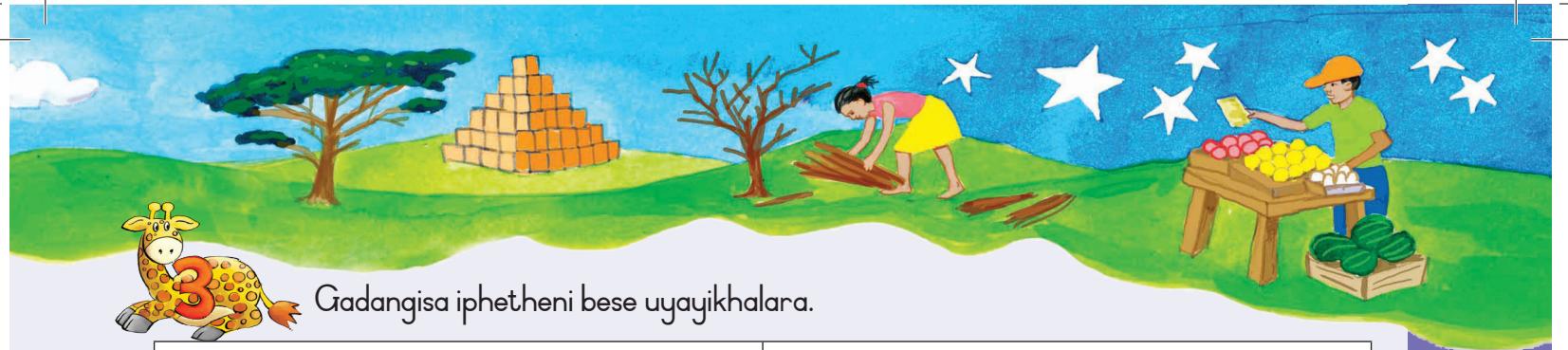
Ithemu 4

Hlathulula iphetheni.

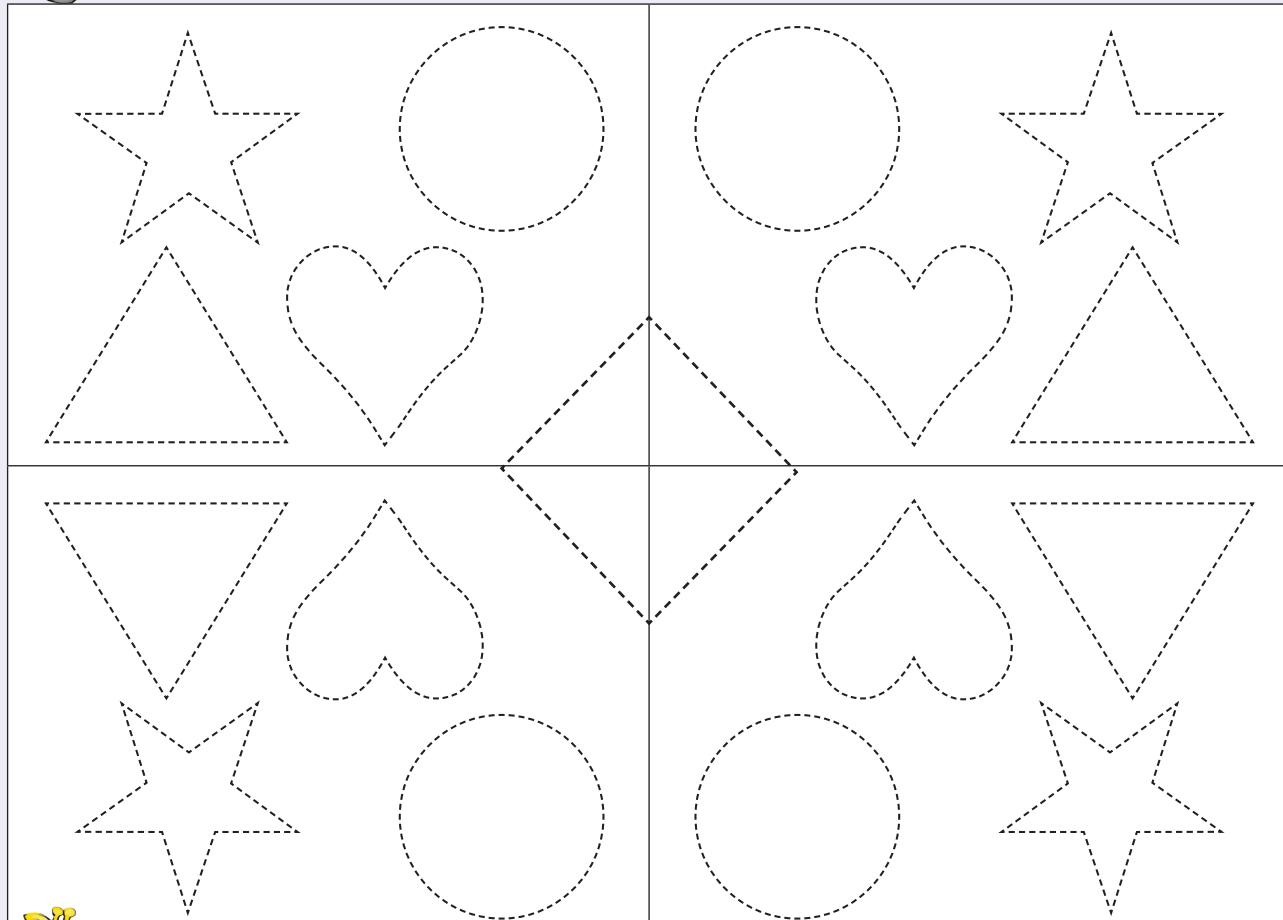


Gadangisa iphetheni bese uayikhala.





Gadangisa iphetheni bese uayikhala.



Zenzele iphetheni yakho usebenzisa amajamo.



Teacher:
Sign:
Date:

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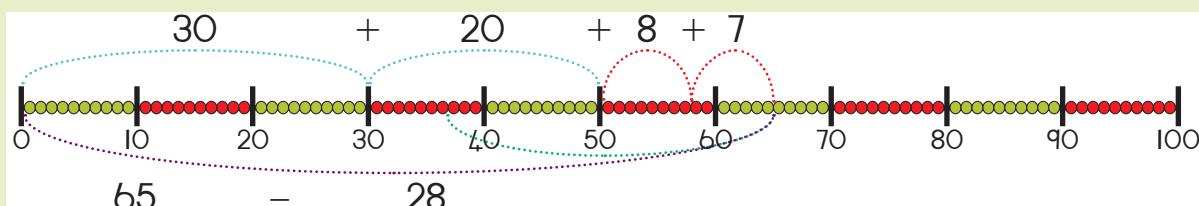
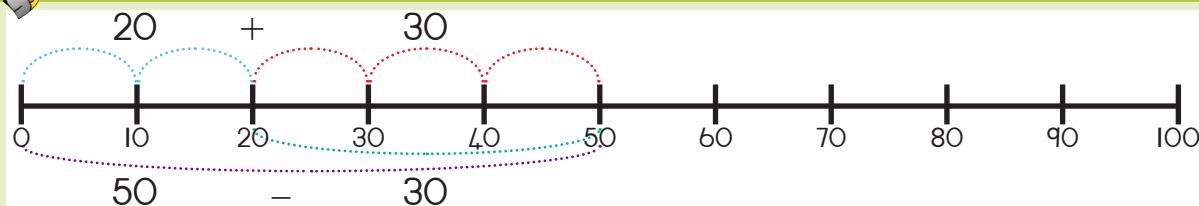


## Ukuhlanganisa nokukhupha

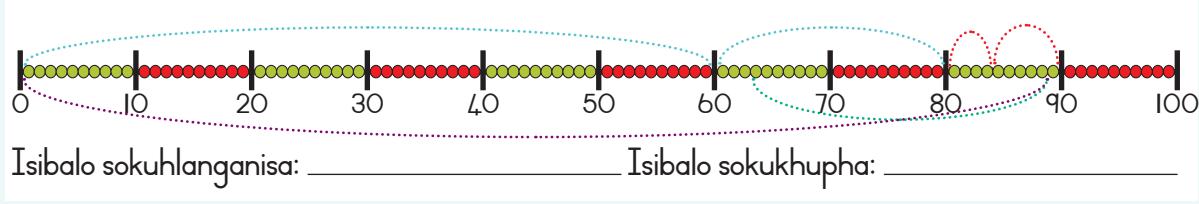
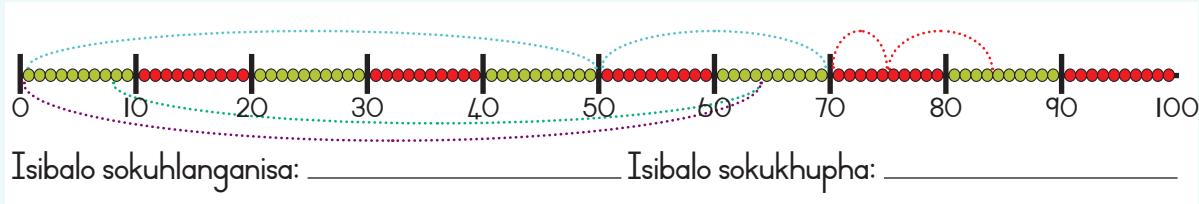
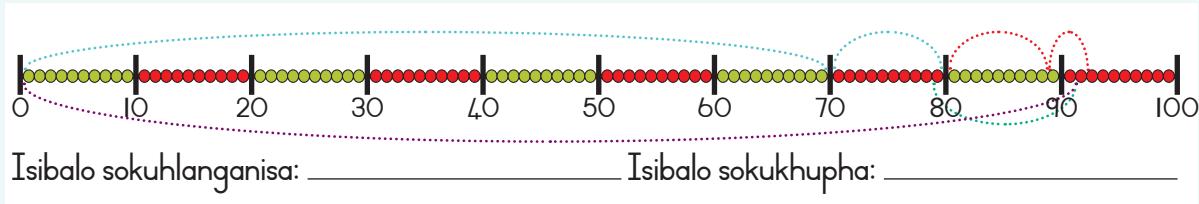
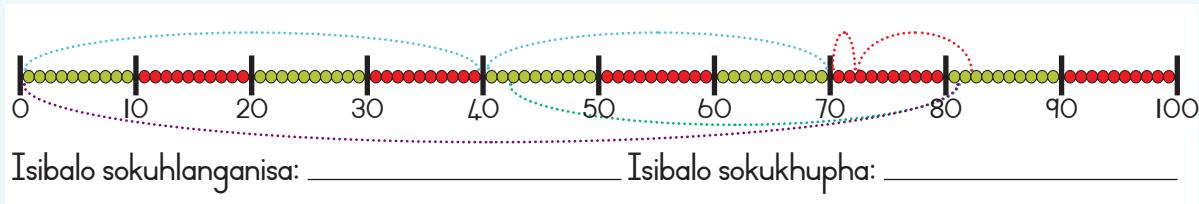
Ithemu 4

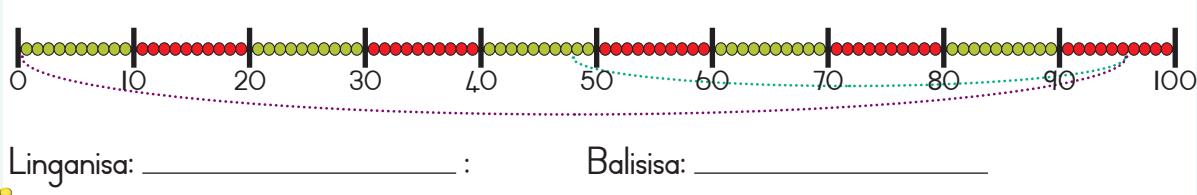
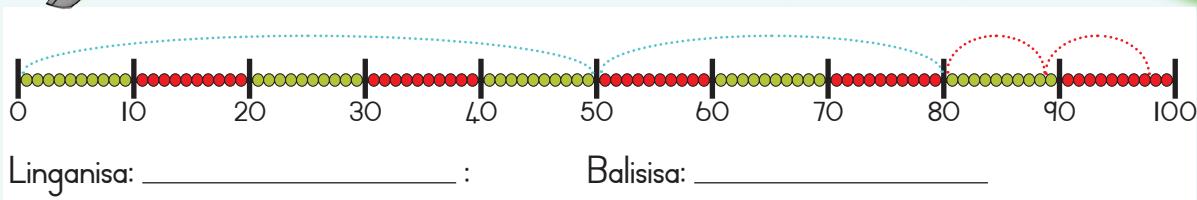


Qala amanambalayini. Coca ngawo.



Tlola isibalo sokuhlanganisa nesokukhupha usebenzise amanambalayini.





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.



Teacher:  
Sign:  
Date:

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## Okhunye ukuhlanganisa nokukhupha

Ilanga:

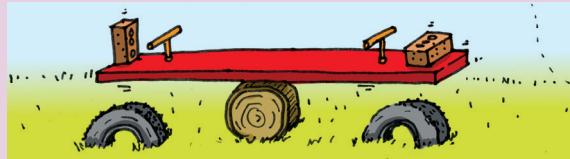
Ithemu 4.



Yenza amahlangothi alingalingane.

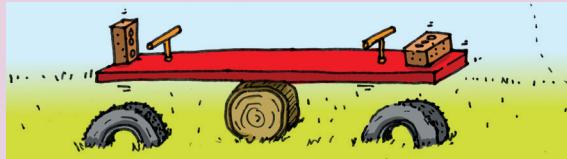
$10 + 4 + 5$

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



$90 - 50$

$\boxed{\quad} - 20$



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

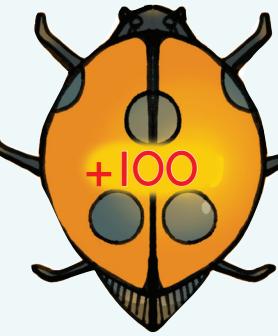
37

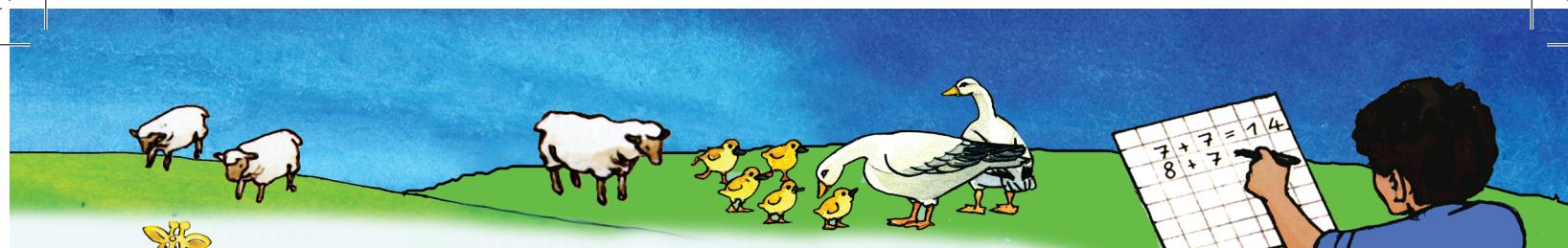
89

199

175

163





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

<b>q</b>	<b>0</b>	<b>-</b>	<b>2</b>	<b>0</b>	<b>+</b>	<b>5</b>
<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3</b>		<b>3</b>



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 q



Yini ukukhupha?

4 q 7  
5 8 10  
6 2 3



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

$48 + 36$

$85 - 59$



Rarulula isibalo samagama. Yenza umgwalo ukutjengisa ipendulo yakho.

Ngizbulungele i-R42, ubaba wase ungipha  
i-R29. Ingabe nginamalini seyiyo?

Ngina-R78, ngithenga iincwadi zeR34. Ingabe  
ngisele namalini?



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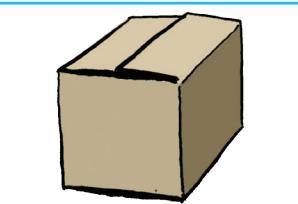
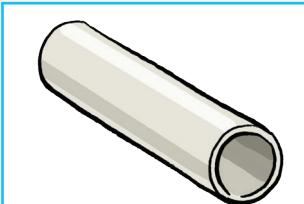
## Amabumbeko anobujamo 3-D

Ithemu 4

Akuphi amabhoksi, iimbholo  
kanye namasilinda?



Yitjho nangabe libhoksi, yibholo nanyana isilinda.

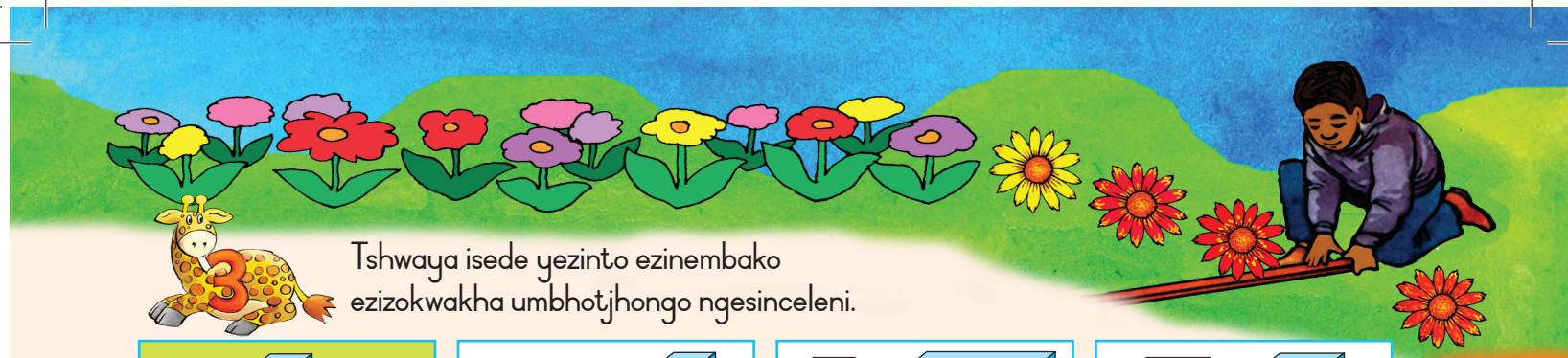


Thola isithombe salokhu bese unamathisela lapha:

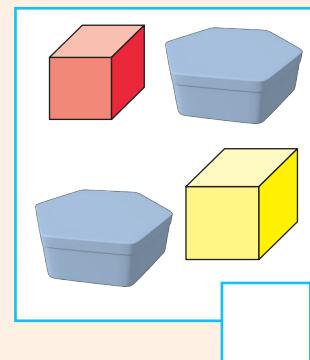
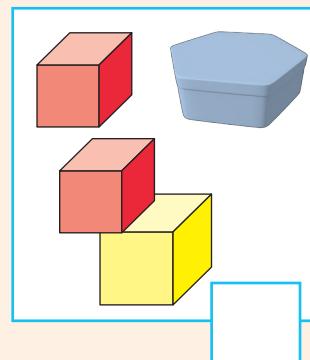
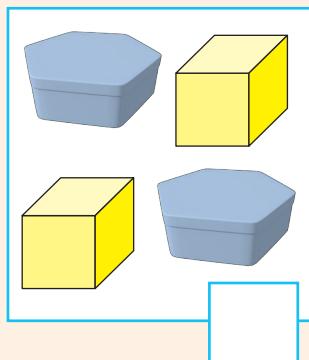
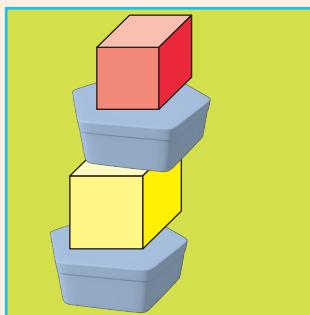
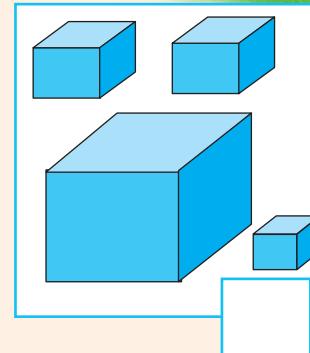
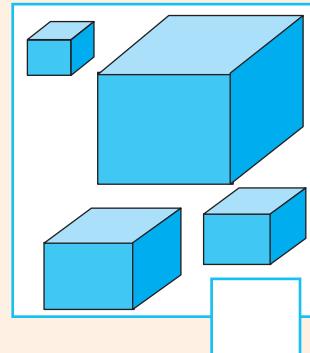
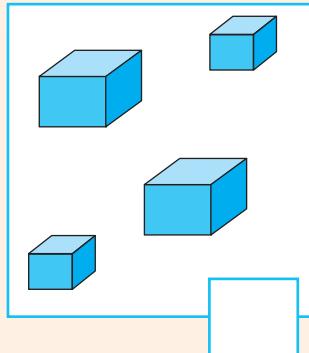
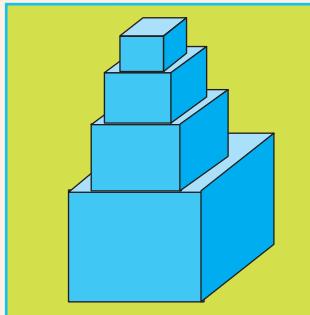
Ibholo

Ibhoksi

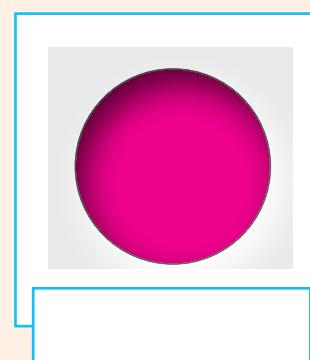
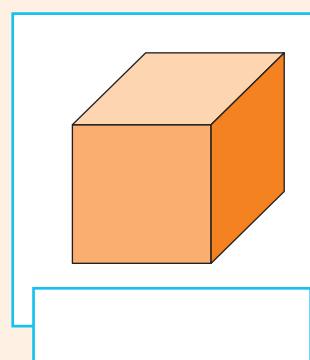
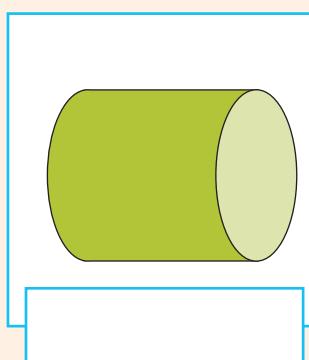
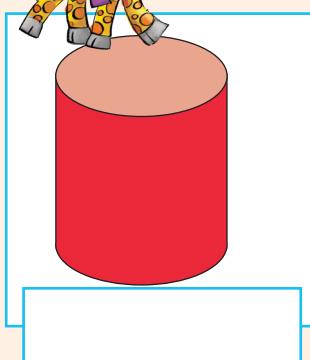
Isilinda



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/>
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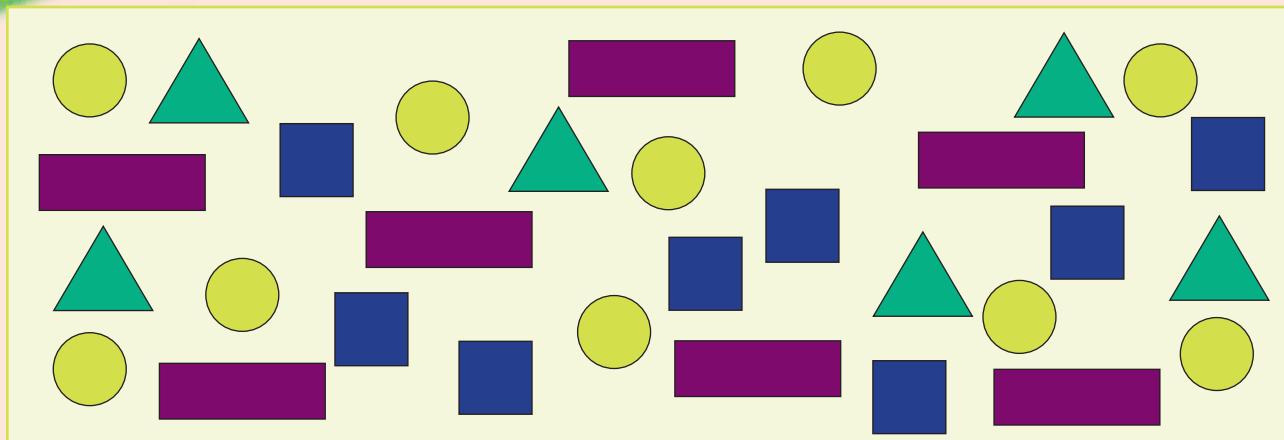
107



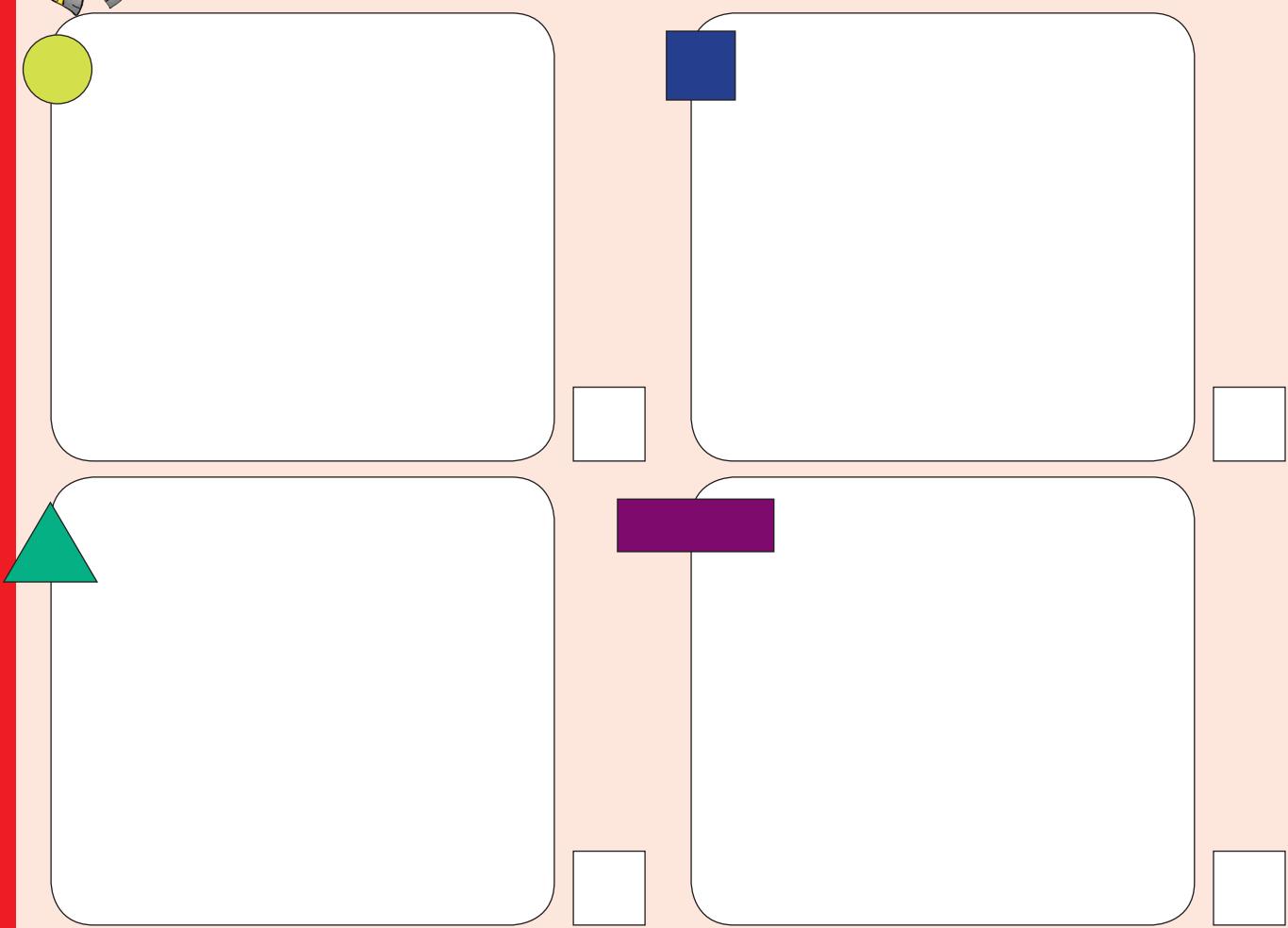
## Idatha engezelelweko

Ilanga:

Ithemu 4



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





Gwala iphikthografu enamabumbeko ahlekileko.

ISIYELELISO:






Khalara amabhlogo ukuze uqedelele ibhagrafu yakho.


Zingaki iiyingi ezilapho?

Zingaki iinkwere ezilapho?

Mangaki amarekhthengele alapho?

Bangaki aboncantathu abalapho?



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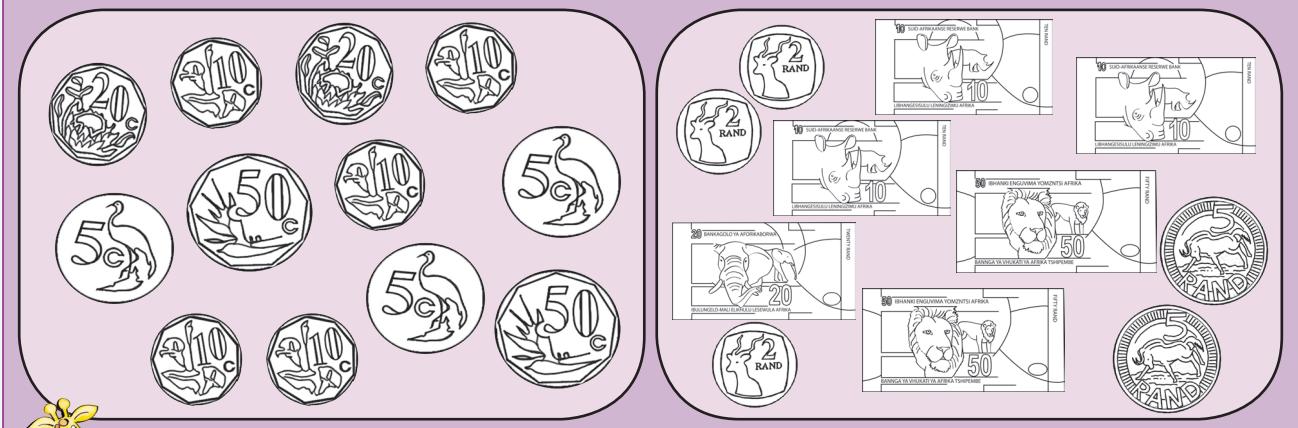


## Ukubala imali

Ilanga:

Ithemu 4

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



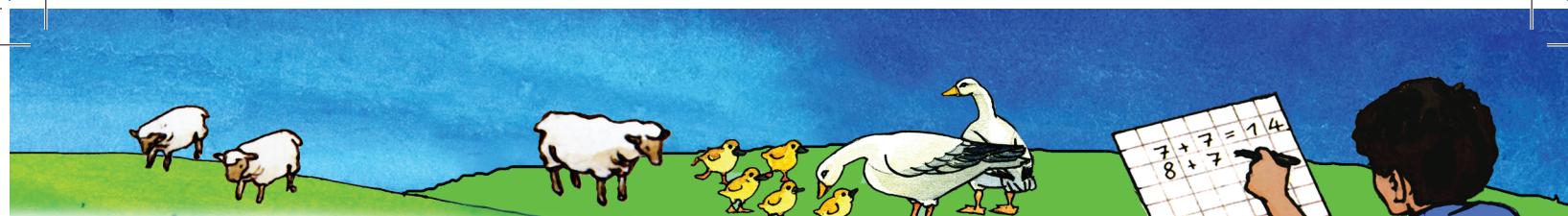
Khalara imali emumuwa ezokunikela inani. Ngilokhu kwaphela okuhlanganisileko.

	Iye	Awa
75c		
85c		
90c		



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

	Iye	Awa
R87		
R75		
R94		

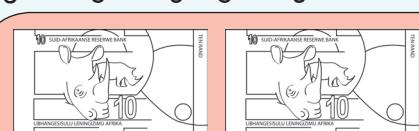


USipho uthenge amabhega amabili.

Ibhega yinye ibiza amaranda ali-R12,50. Ukhokhe malini?

Tjengisa imali yamaphepha nemali. Eziihlamvu ukutjengisa ipendulo yakho.

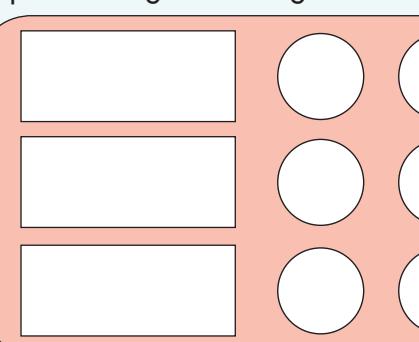
Ubuye ujitolle godu njengomutjho weenomboro.



$$\begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array}$$



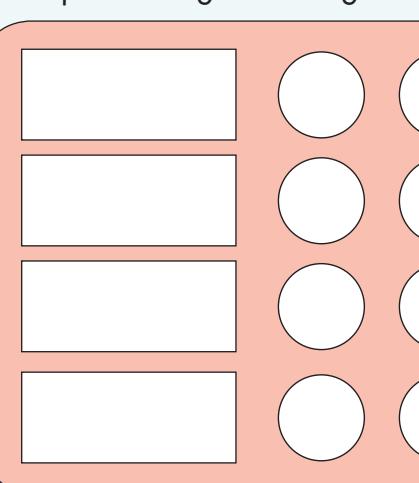
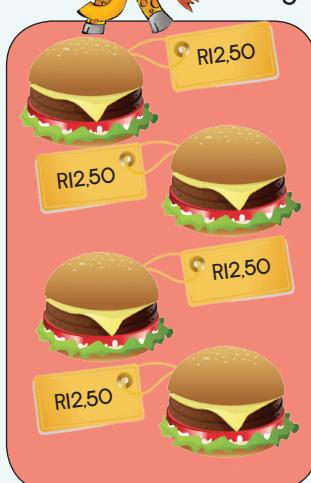
Nangabe uSipho uthenga amabhega amathathu?



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:

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## 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 liliye. Qedelela itheyibula ukuze umsize athole amanani amakhulu woku-oda.

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



Nangabe uSheila ubiza ama-R5 i-hotdog ngayinye?

Inani lama-hotdog	1	2	3	4	5	6	7	8	9	10
Tinhlamu zemali										
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 ngokubuyeletwe kibili inani lemali ezokubhadelwa.  
Tjengisa itheyibula.

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



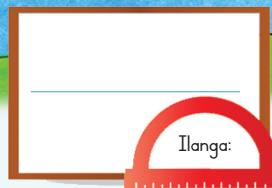
Gwala isithombe utjengise iindleko zakaSelo zokuba yimbelesi ama-iri  
abu-8 abiza ama-R5 nge-iri.



Ufuna ukuthenga amamafini ali-10. imafini ngayinye ibiza ama-R10.  
Uzokubhadelo 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.



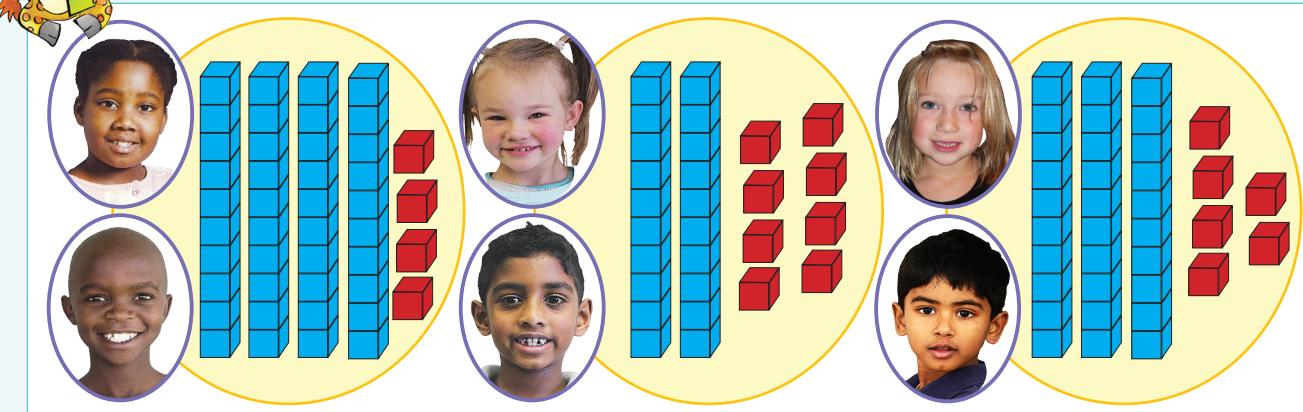
110



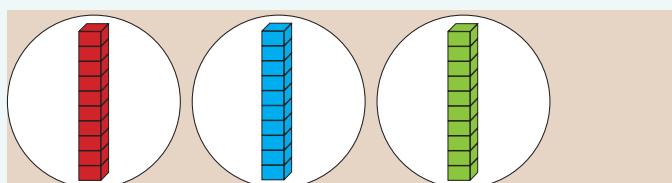
## Amabuthelelo nokwabelana

Ithemu 4

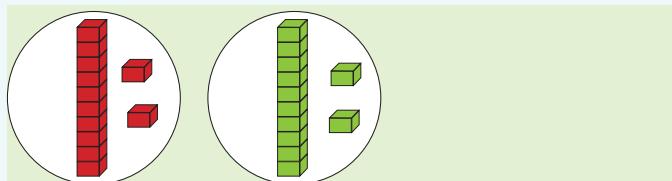
Mabhlogo amangaki endulungeni ngayinye hlangana nabentwana?



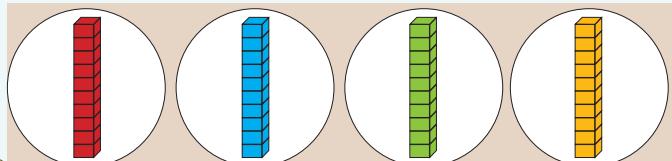
Mangaki amabhlogo asendulungeni ngayinye? Tlola inani elihlangeneko ngendulungeni ehlaza kwesibhakabhaka.



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



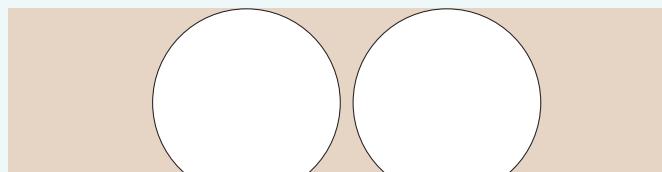
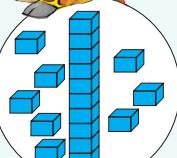
$$\square \times \square = \square$$



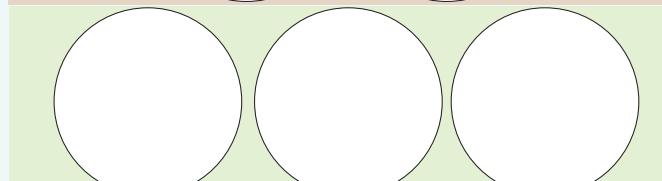
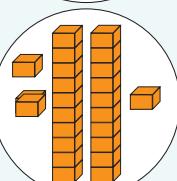
$$\square \times \square = \square$$



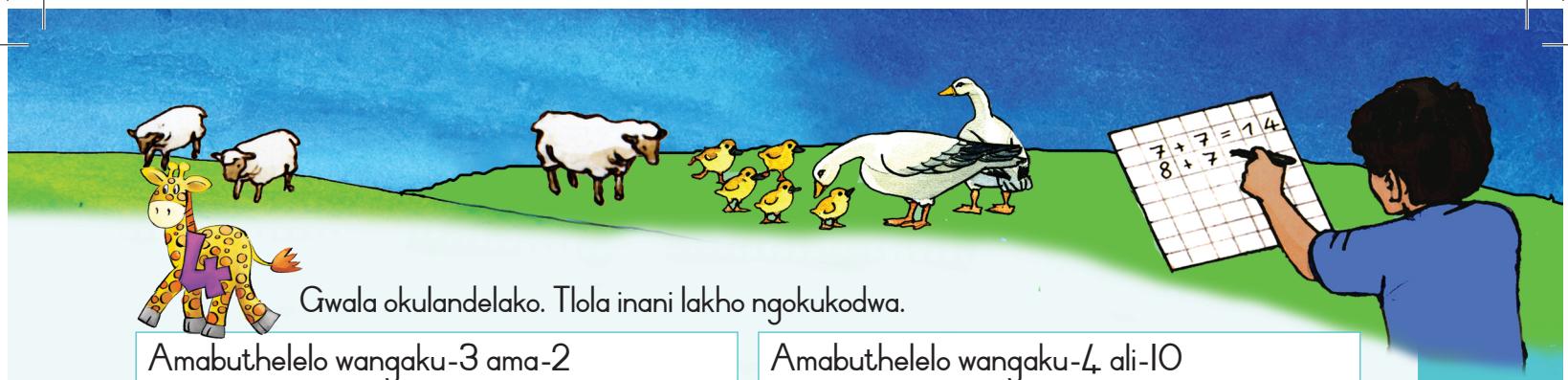
Yaba amabhlogo hlangana neendulungu.



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



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



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

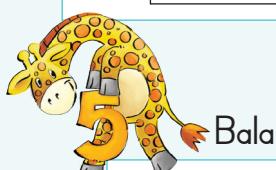
Hlanganisa inani loke:

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 okubuyelelwé kabili

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III

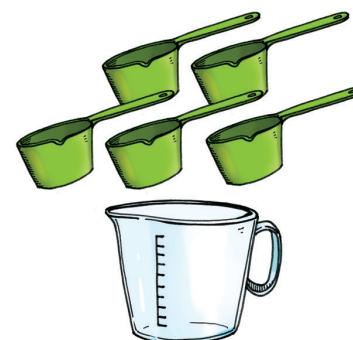


## Okhunye ngomthamo

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:

Injege ezi-2 \_\_\_\_\_

Injege ezi-3 \_\_\_\_\_

Injege ezi-4 \_\_\_\_\_

Injege ezi-5 \_\_\_\_\_



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

2













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



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

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## Amanye amaphetheni

Ithemu 4

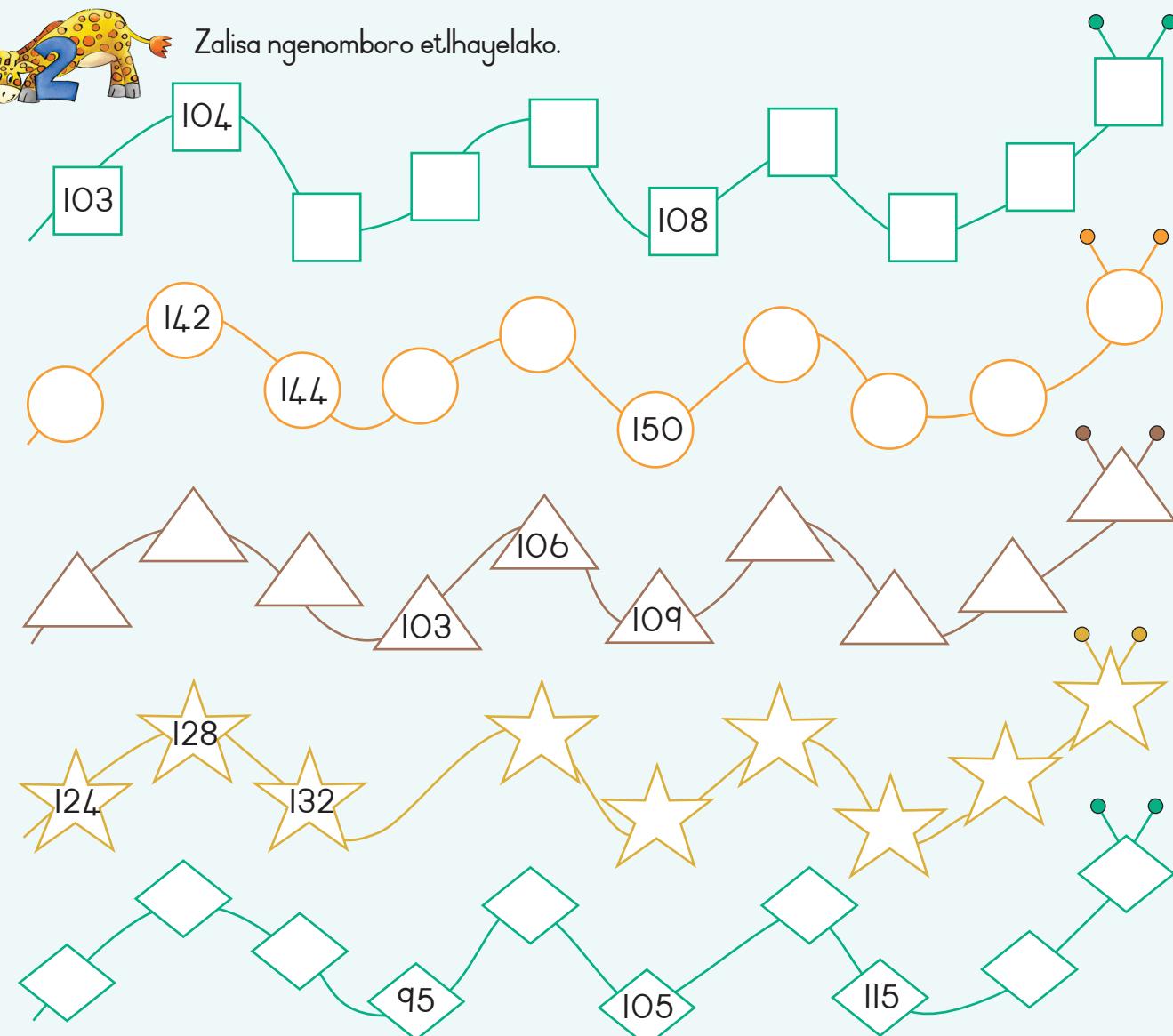


Beka amakarada ngokulanelana. Thoma ngamakhulu uyokuqedelela ngamancani, bese uthoma godu ngamancani uye kamakhulu.

5	3	8	1	9	7	6	2	4
61	66	64	69	62	68	67	63	65
I36	I32	I40	I38	I31	I35	I33	I37	I34



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.

$$2 + 2 + 2$$



$$3 + 3 + 3$$



$$4 + 4 + 4$$



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



113

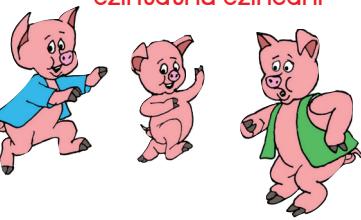


Ilanga:

## Ukubuyabuyeleta ngaku-3

Ithemu 4

Zoke iinyamazana zineenyawo ezine.

iingulube  
ezintathu ezincaniLithini inani loke leenyawo  
esithombeni?Lithini inani loke leendlebe  
esithombeni?

Qala isithombe bese uqedelela okulandelako:



<input type="text"/>	×	<input type="text"/>	=	<input type="text"/>
Inani lamakhondlo	Iinyawo isilwana ngasinye			

<input type="text"/>	×	<input type="text"/>	=	<input type="text"/>
Inani lamakhondlo	Iindlebe inyamazana ngayinye			



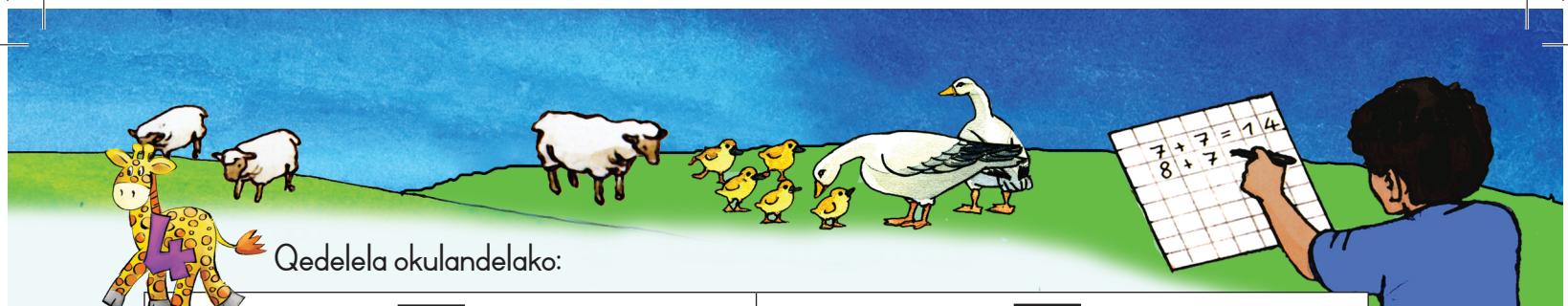
Qedeleta okulandelako:

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:

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

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

$$= \begin{array}{r} 1 \quad 0 \\ \textcolor{teal}{3} \end{array} + \begin{array}{r} 3 \end{array} \times 3$$

$$= \begin{array}{r} 1 \quad 0 \\ \textcolor{teal}{3} \end{array} \times 3 + \begin{array}{r} 3 \end{array} \times 3$$

$$= 30 + 9$$

$$= 39$$



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

$$\begin{array}{r} 1 \quad 0 \\ \textcolor{red}{5} \end{array} \times 3$$

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

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

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

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



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



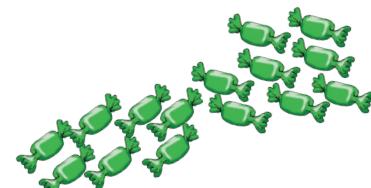
Qedelela lokhu:



Yabela abentwana aba-2 itjhokoledi ngokulingana.

Omunye nomunye ufunyana

Yabela abentwana aba-3 amathofi ali-15 ngokulingana.



Omunye nomunye ufunyana



Gwala iinthombe ukuze utjengise iimpendulo zakho.

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

Omunye nomunye ufunyana

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

Omunye nomunye ufunyana



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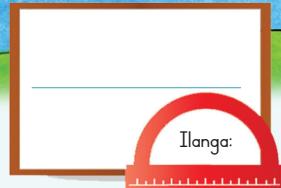
17

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114

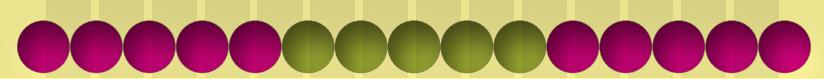


## Ukubuyabuyelela okuvangileko

Ithemu 4

Qala lokhu okulandelako, ubona ini?

$$5 + 5 + 5 = 15$$



Oku-3 okunengi  
ka-5 = 15



Amabuthelelo  
ama-3 wangaku-5 = 15

Oku-3 okubuyabuyelelw ka-5 = 15

$$3 \times 5 = 15$$

$$5 \times 3 = 15$$



Qedelela itheyibula elingenzasi. Isibonelo ngiso esizokuhlahla.

Ukubala ngokweqa	Amabuthelelo alinganako	Ukuhlanganisa okubuyelwelweko	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				



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

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



Phendula imibuzo elandelako.  
Khujini:

Okune okubuyabuyelelwwe kahlanu	
Isithandathu esibuyabuyelelwwe ka-6	
Isithandathu esibuyelelwwe ka-5	
Oku-2 okubuyelelwwe ka-4	
Oku-8 okubuyelelwwe 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 kubuyabuyelelwwe ka-3 kwenza-12 nanyana nje kufana nokuthi $4 \times 3 =$ <input type="text"/>	
Amabuthelelo asi-6 wangaku-3 enza-18 nanyana isi-6 nasibuyabuyelelwwe ka-3 kwenza-18 nanyana isi-6 $\times$ <input type="text"/> = 18	

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



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## Okhunye ukubuyabuyelela

Ithemu 4



Qala isibonelo.

Yini  
ukubuyabuyelela.

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

Qedeleta:

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

Sebenzisa indlela yakho ukunikela umphumela.

$12 \times 2$

$16 \times 2$

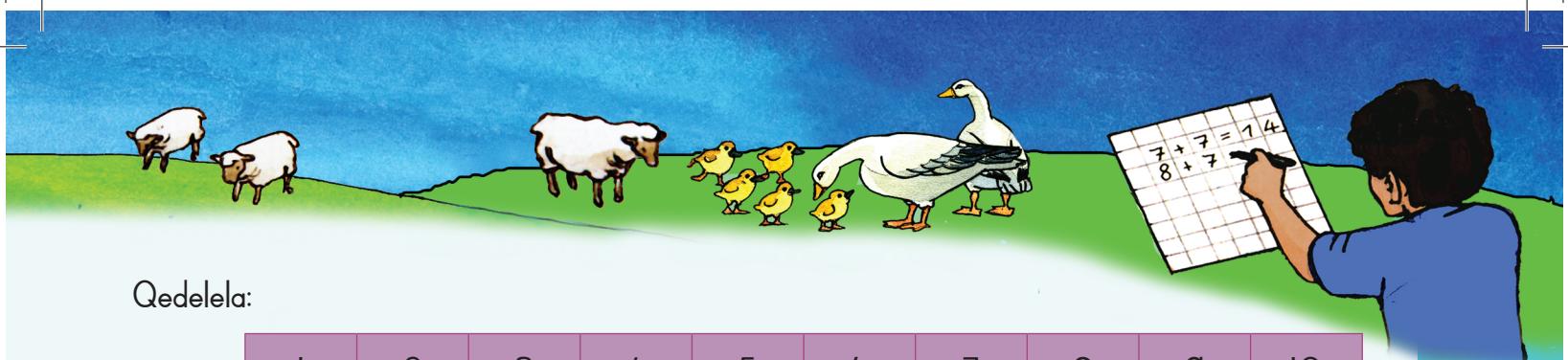
Qedeleta:

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

Sebenzisa indlela yakho ukunikela.

$13 \times 3$

$15 \times 3$



Qedelela:

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

Sebenzisa indlela yakho ukunikela umphumela.

$$11 \times 4$$

$$14 \times 4$$

Qedelela:

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

Sebenzisa indlela yakho ukunikela umphumela.

$$12 \times 5$$

$$16 \times 5$$



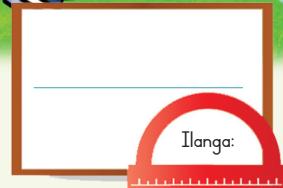
Ngemgodleni kunama-orentji ali-12. Kuzokuba nama-orentji amangaki:

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






Ilba



## Amalanga weveke

Ithemu 4

Lungisa amaledere wamalanga weveke.

NEBGELSILII

NSGOEDNO

MONOUVLG

GTLHESAITHUNE

ENESGEINL

LNQGEOMGIBO

HNIALESGLNEU



Qedelela ngamalanga atlhayelako:

NgoMvulo

Ngelesithathu

NgeSondo

NgeLesibili



Tlola amalanga weveke.

NgeSondo

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

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

NgeLesine ukufika ngoMgqibelo? \_\_\_\_\_



Kunamalanga amangaki hlangana:

KoLesibili kanye noMgqibelo? \_\_\_\_\_

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

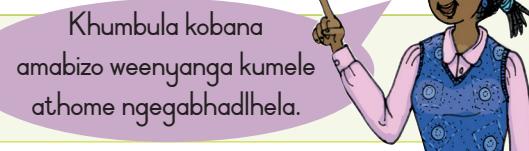


Inyanga enye nenyne inamalanga amangaki?

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



Zalisa ngenyanga enembako.



Ngiyiphi inyanga eza ngaphambi kwaka Matjhi? \_\_\_\_\_

Ngiyiphi inyanga eza ngemva kwaka Juni? \_\_\_\_\_



Nangabe nguJulayi, ziinyanga ezingaki ngaphambi ko:

USeptemba? \_\_\_\_\_

Kwelanga lakho lamabeletho? \_\_\_\_\_



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# Amalanga, iimveke kanye neenyanga

Ithemu 4



Ilango:

UDisemba 2015

USondo	UMvulo	ULesibili	ULesithathu	ULesine	ULesihlanu	UMgqibelo
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



Qala ikhalenda bese uphendula imibuzo:

Ilango lamhla ali-01 kuDisemba lingelesingaki? \_\_\_\_\_

Ilango lamhla ali-15 kuDisemba lingelesingaki? \_\_\_\_\_

Ilango lamhla ama-24 kuDisemba lingelesingaki? \_\_\_\_\_

Ilango lamhla ali-12 kuDisemba lingelesingaki? \_\_\_\_\_



Phendula imibuzo elandelako:

Inyanga yakaDisemba inamalanga amangaki? \_\_\_\_\_

Inyanga yakaDisemba ineemveke ezingaki? \_\_\_\_\_

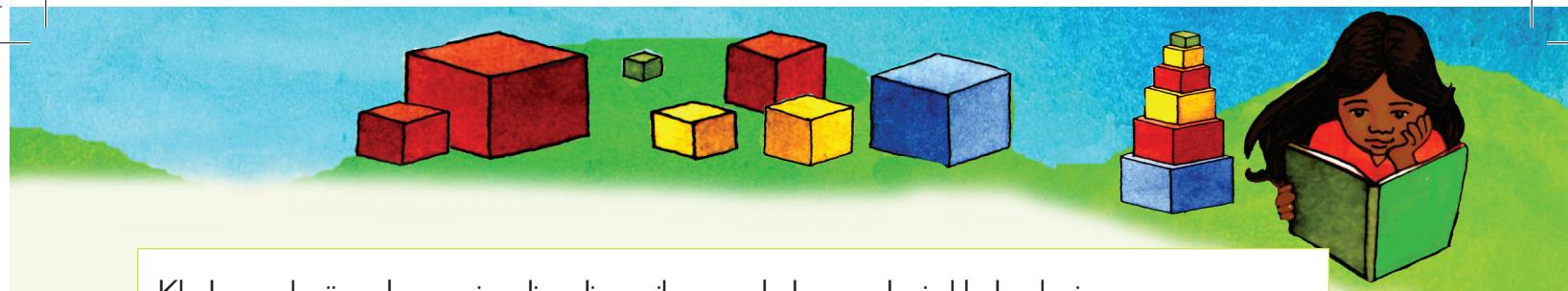
Iveke inamalanga amangaki? \_\_\_\_\_

Iinkolo zivalwa nini ngonyanga 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 obov.

Ngikuphi okutshwayako? \_\_\_\_\_



Qedelela ikhalenda. zalisa umnyaka kanye namalanga (idadamu).

Ngo-Apreli \_\_\_\_\_

USondo	UMvulo	ULesibili	ULesithathu	ULesine	ULesihlanu	UMgqibelo



Ngiliphi ilanga kanye nedadamu?

	Idadamu	Ilanga



Malanga amangaki ukusuka:

	Ukufika ku:		



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# Amanye amaphetheni weenomboro

Ilanga:

Ithemu 4

Hlathulula enye nenyе iphetheni ebhodini.

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	200



Qedeleta iphetheni.

I	2	3	4	5	6	7	8	9	10
II	12	13	14	15	16	17	18	19	20
2I	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50
5I	52	53	54	55	56	57	58	59	60
6I	62	63	64	65	66	67	68	69	70
7I	72	73	74	75	76	77	78	79	80
8I	82	83	84	85	86	87	88	89	90
9I	92	93	94	95	96	97	98	99	100
I0I	I02	I03	I04	I05	I06	I07	I08	I09	I10
III	II2	II3	II4	II5	II6	II7	II8	II9	I20
I2I	I22	I23	I24	I25	I26	I27	I28	I29	I30
I3I	I32	I33	I34	I35	I36	I37	I38	I39	I40
I4I	I42	I43	I44	I45	I46	I47	I48	I49	I50
I5I	I52	I53	I54	I55	I56	I57	I58	I59	I60
I6I	I62	I63	I64	I65	I66	I67	I68	I69	I70
I7I	I72	I73	I74	I75	I76	I77	I78	I79	I80
I8I	I82	I83	I84	I85	I86	I87	I88	I89	I90
I9I	I92	I93	I94	I95	I96	I97	I98	I99	200



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

4	19	21
<b>lingalingani lingalingana</b> <b>26</b>	<b>lingalingani lingalingana</b> <b>20</b>	<b>lingalingani lingalingana</b> <b>18</b>
<b>lingalingani lingalingana</b>	<b>lingalingani ling alingana</b>	<b>lingalingani lingalingana</b>



Zalisa iinomboro ezitlhayelako ukuqedelela iphetheni ebuyelelweko.

33, 39, 33, , 33, 39, 33, 39

96, 74, 96, 74, 96, 74, 96,

38, 45, 38, 45, , 45

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

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

Gwala iinomboro ngombala  
ukukusiza kobana urarulule  
isibalo.



Zalisa iinomboro ezitlhayelako ukuqedelela iphetheni ebuyelelweko.

55, 21, I9, 63, 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,

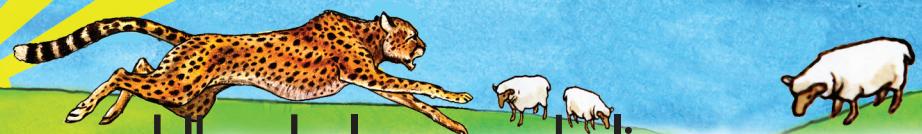
28, 47, 78, 28, 47, 78, 28, 47, 78, 28, 47, 78, 28,



Teacher:

Sign:

Date:



## Ukwabelana ngokulingana bekufike emacezwini

Ilanga:

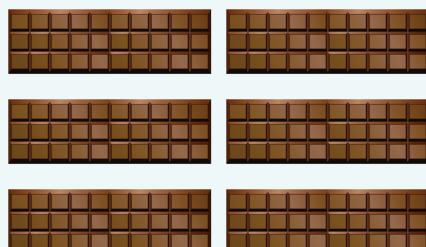
Ithemu 4



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



Kwanjesi yabela abentwana abathathu iintinyana zamatjhokoledi ezi-6.



Tjengisa ipendulo yakho ngokwenza umgwalo ngenzasi.



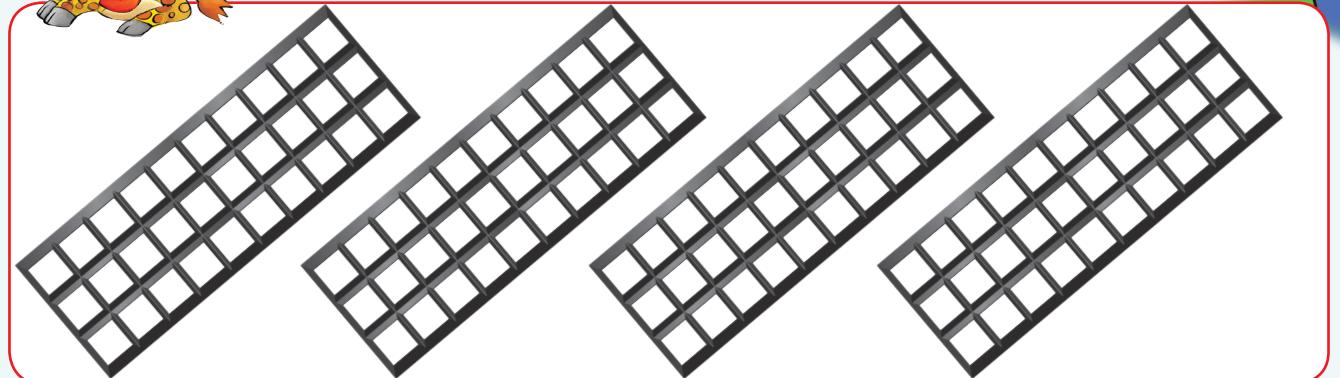
Unamakhkhana wangeenkomotjini ama-3 Yabela abangani bakho aba-4 ngokulingana.



Umntwana ngamunye uthola ingcenyeyodwa yakuthathu yetjhokoledi.

Tjengisa ipendulo yakho ngokugwala umgwalo ngenzasi.

Umntwana munye uzokuthola \_\_\_\_\_  
Yamakhkhana wangeenkomitjini.



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

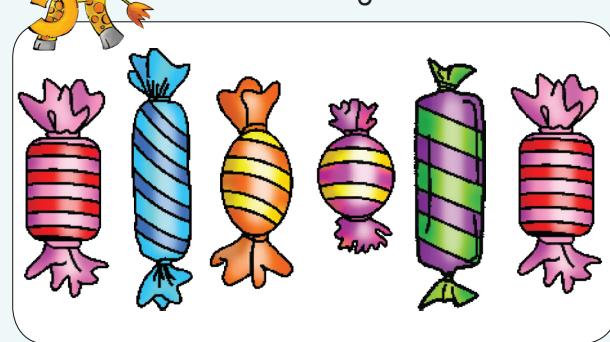
Mabhlogo amangaki wamatjhokoledi enza ingcenyé eyodwa yokwesihlanu? \_\_\_\_\_



Tjengisa ihafu eyodwa yalokhu okulandelako.



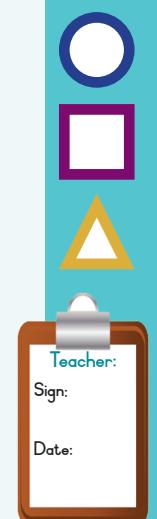
Tjengisa ingcenyé eyodwa yecezu lokwesithathu yamaswidi



Tjengisa ingcenyé eyodwa yecezu lokwesithandathu yamaswidi.



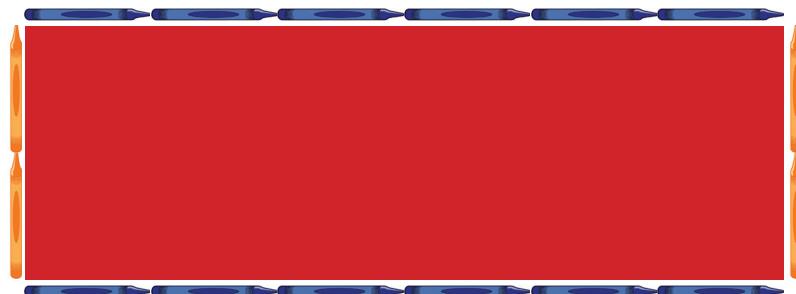
Yabela abangani abane amacezu wetjhokoledi ali-II ukuze bathole boke ngokulinganako boke kungasali litho.



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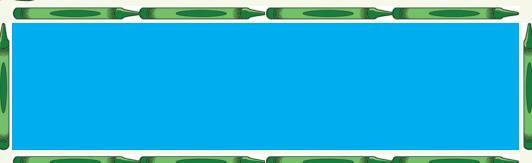
Ngiliphi ihlangothi lakancazine elifitjhani khulu? Elide khulu?



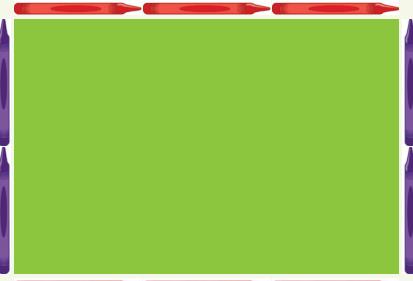
Ihlangothi elide li \_\_\_\_\_ amakhrayoni.  
Ihlangothi elifitjhani li \_\_\_\_\_ amakhrayoni.



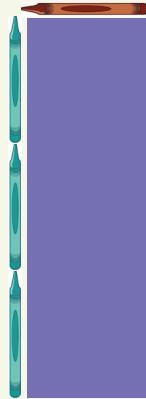
Phendula okulandelako.



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



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



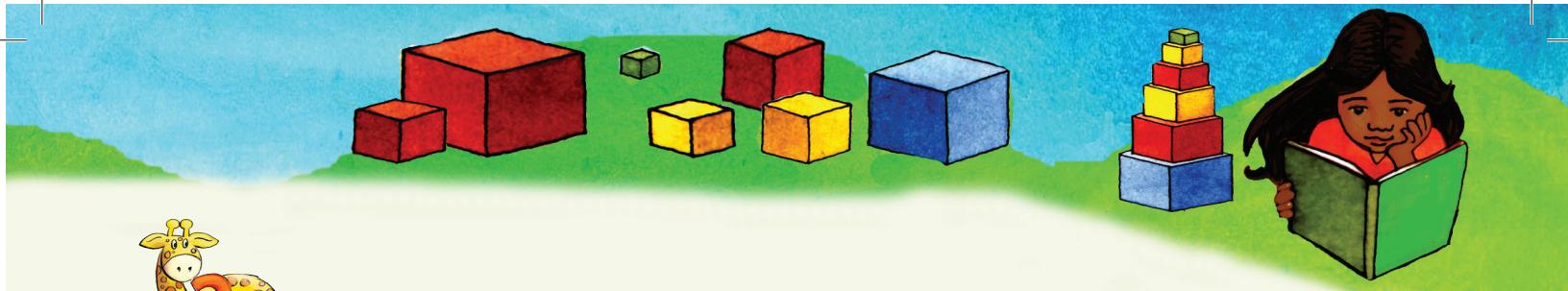
Ihlangothi elide li \_\_\_\_\_ amakhrayoni.  
Ihlangothi elifitjhani li \_\_\_\_\_ amakhrayoni.



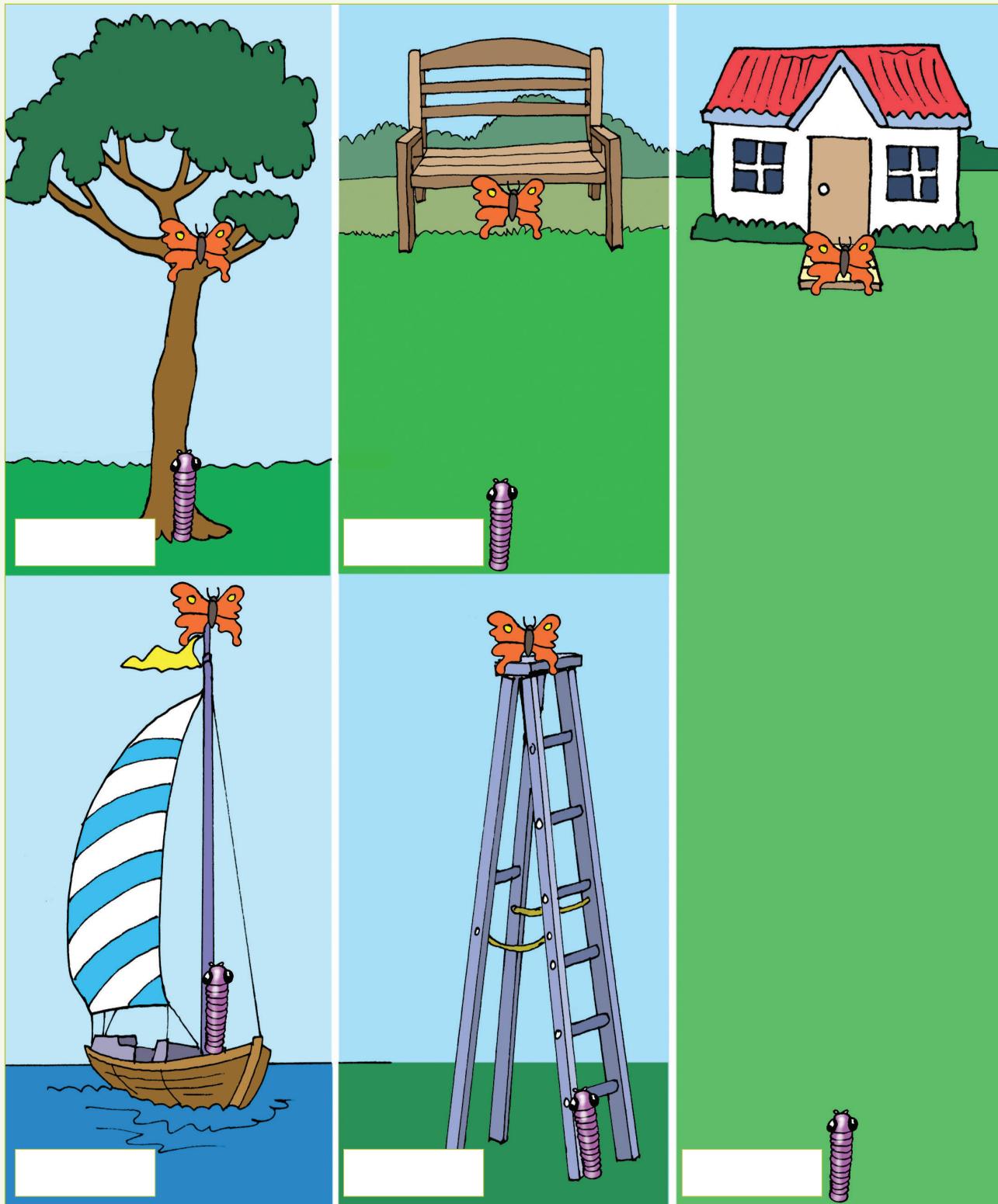
Ihlangothi elide li \_\_\_\_\_ amakhrayoni.  
Ihlangothi elifitjhani li \_\_\_\_\_ amakhrayoni.



Ilanga:



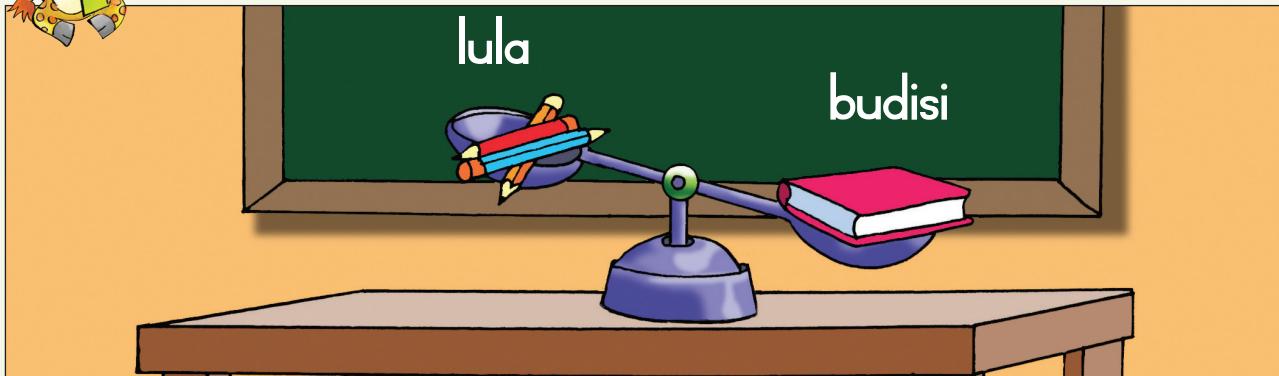
Kuzokuthatha iimbungu ezingaki ukufika eviyaviyaneni?



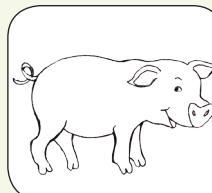
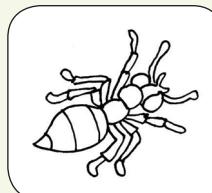
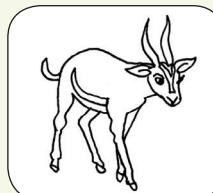
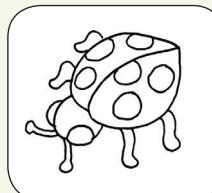
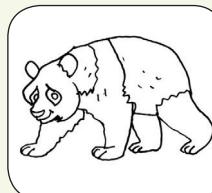
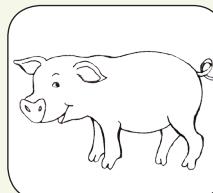
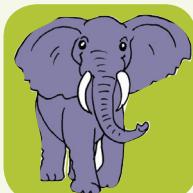


## Okubudisi nokulula

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.



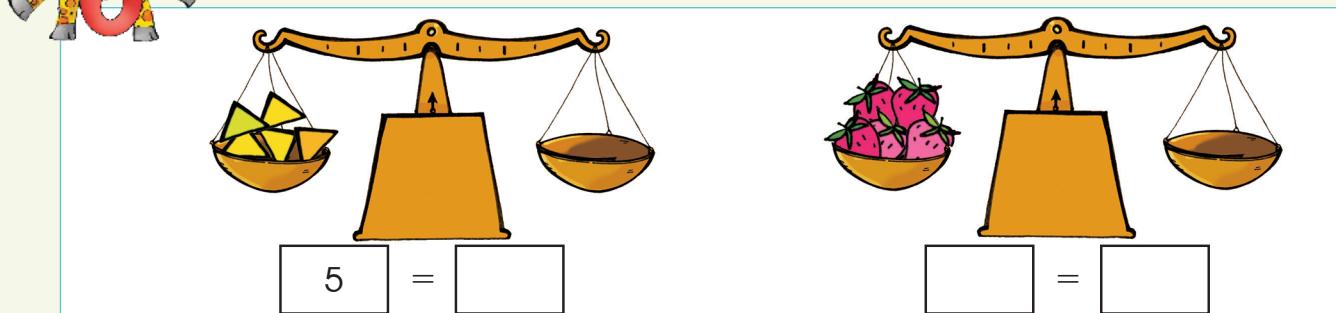
Qala isithombe.

Thola iinthombe zezinto ezihlanu ezilula. zinamathisele lapha.

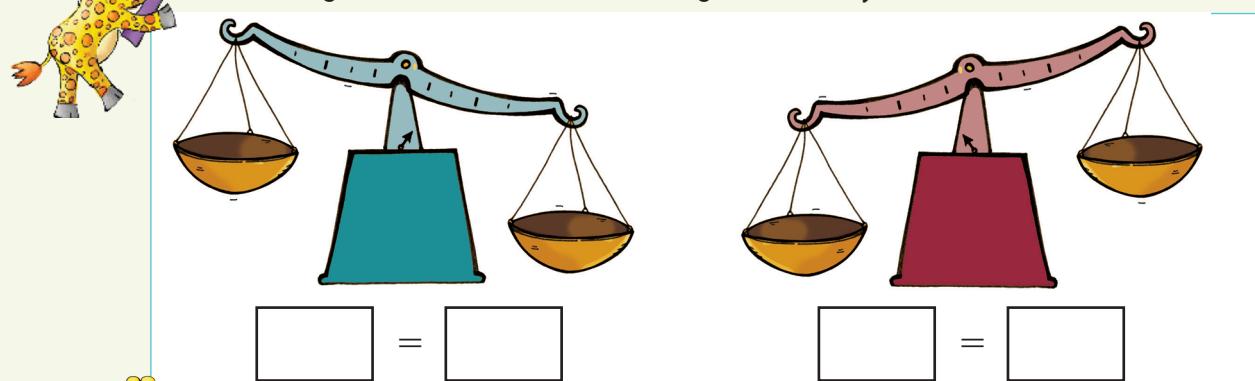




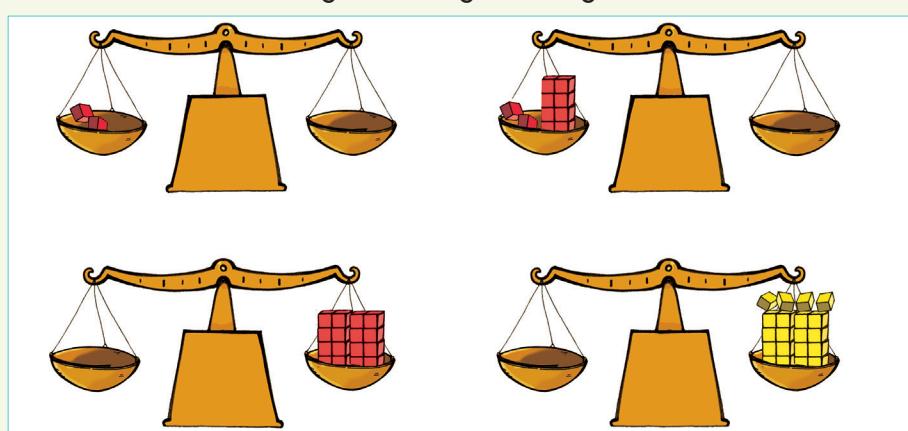
Yenza kobana iinkala zokulinganisa zilingane. Gwala ngaphakathi kweenkali ezinganalitho.



Gwala imigwalo ukwenza iinkala zokulinganisa zibeliqiniso.



Yenza kobana iinkala zokulinganisa zilingane nangabe  $\square$  =  $\square$   $\square$

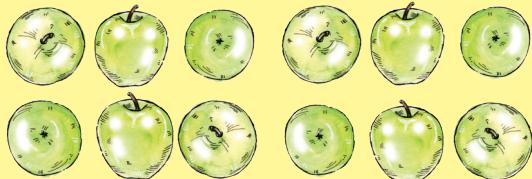


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# Ukwabelana ngokulingana bekufike emacezwini

Ithemu 4

Yabelana nabangani abathathu ama-apula la.



Munye ufunyana ama-apula amangaki?

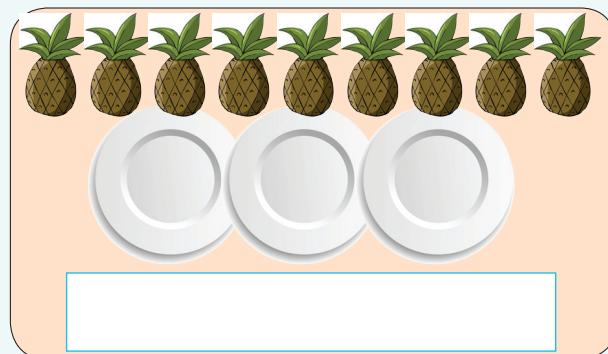
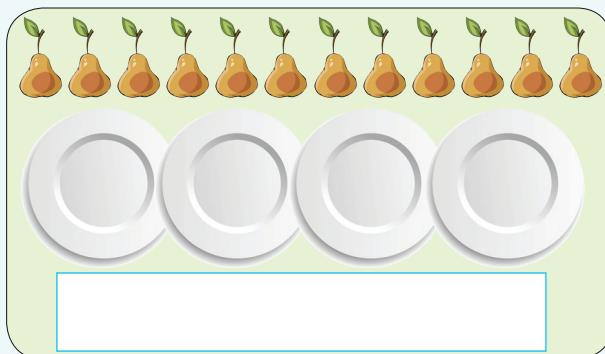
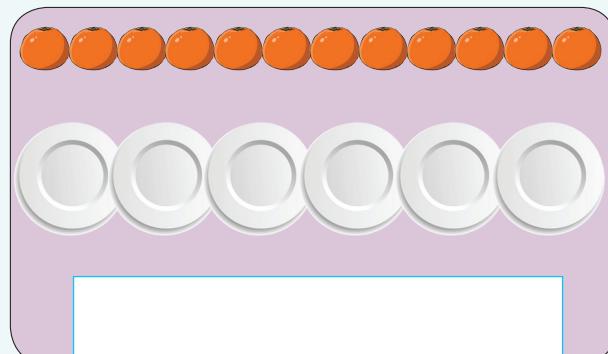
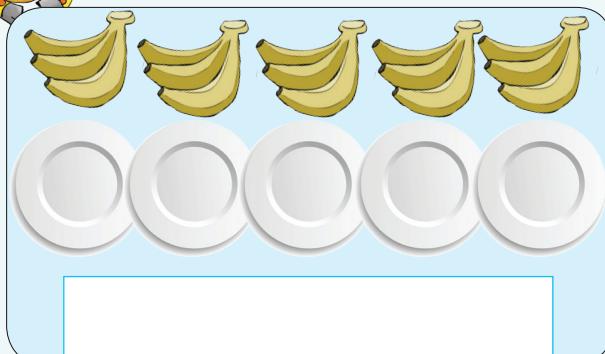
Amane

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



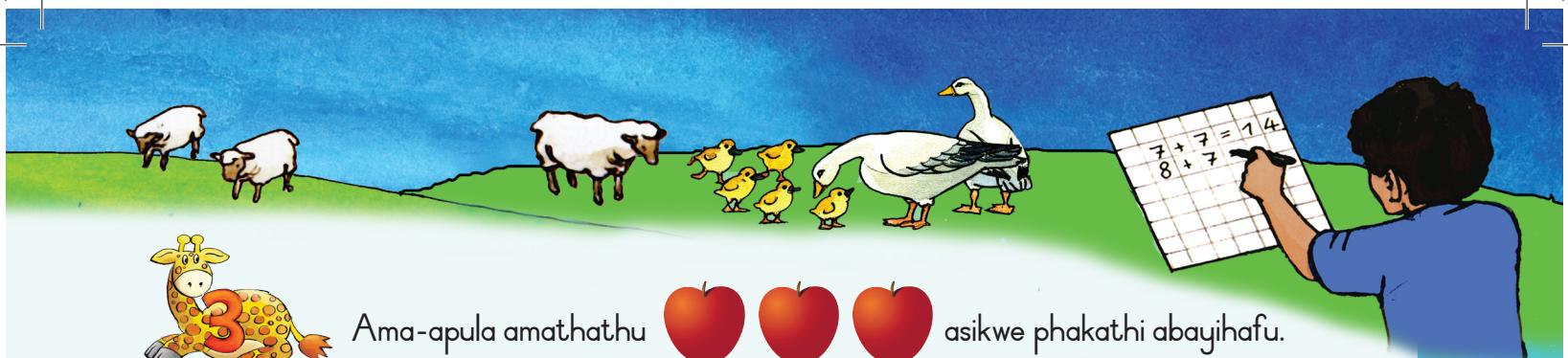
Qala isibonelo ngehla bese uphendula imibuzo elandelako.

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



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



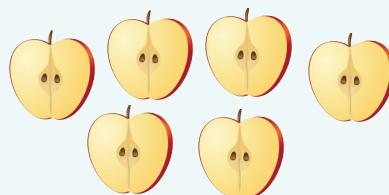


Ama-apula amathathu

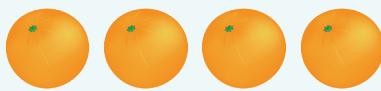


asikwe phakathi abayihafu.

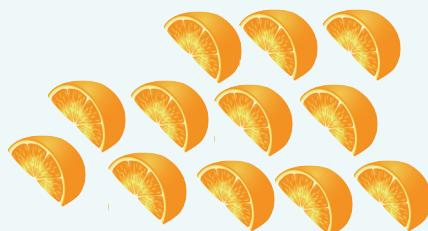
Bentwana abangaki ngamunye ongafunyana ihafu  
eyodwa? \_\_\_\_\_



Amalamune amane



asikwe aba ziingcezi zokwesithathu.



Bentwana abangaki abangathola incenyen yinye yakuthathu?



Amakhabe amabili



asikwe aba ziingcezu zokwesithandathu.



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



Umbanduli wenet bholo unikela umdlali ngamunye ihafu yelamune.

Kunabadlali aba-14. Utlhoga amalamune amangaki?



11

12

13

14

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17

18

19

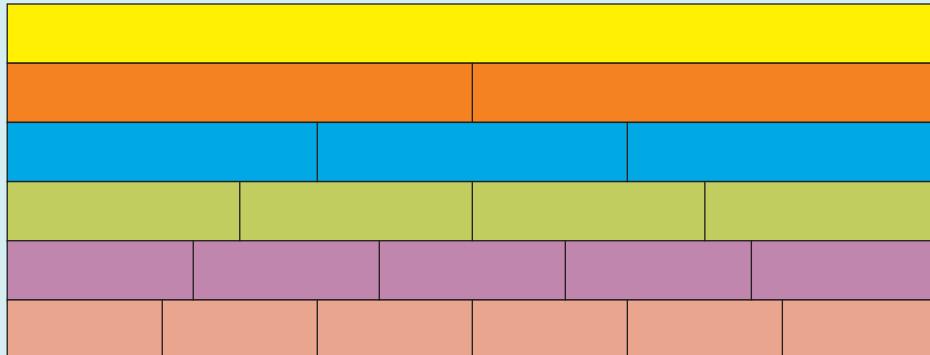
20

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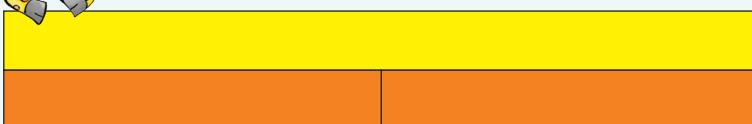
## Amacezu

Ilanga:

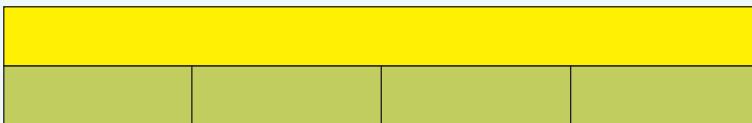
Umtletlana ngamunye utjho ukuthini? Amagama angesidleni angakusiza.



Qedelela lokhu okulandelako.



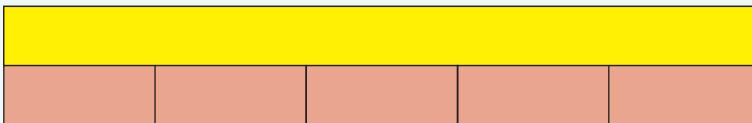
Abohafu aba-2 bafana \_\_\_\_\_  
okupheleleko.



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



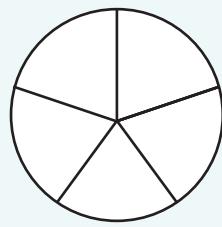
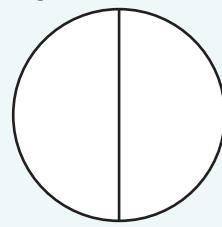
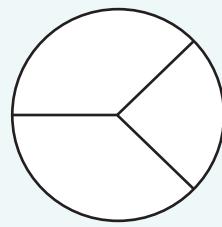
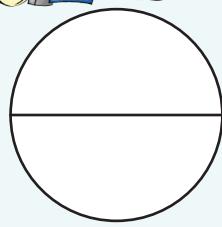
Iingceny ezi ntathu zokwesithathu  
ziyafana \_\_\_\_\_ okupheleleko.



Iingceny ezi hlanu zokwesihlanu ziyafana  
\_\_\_\_\_ okupheleleko.

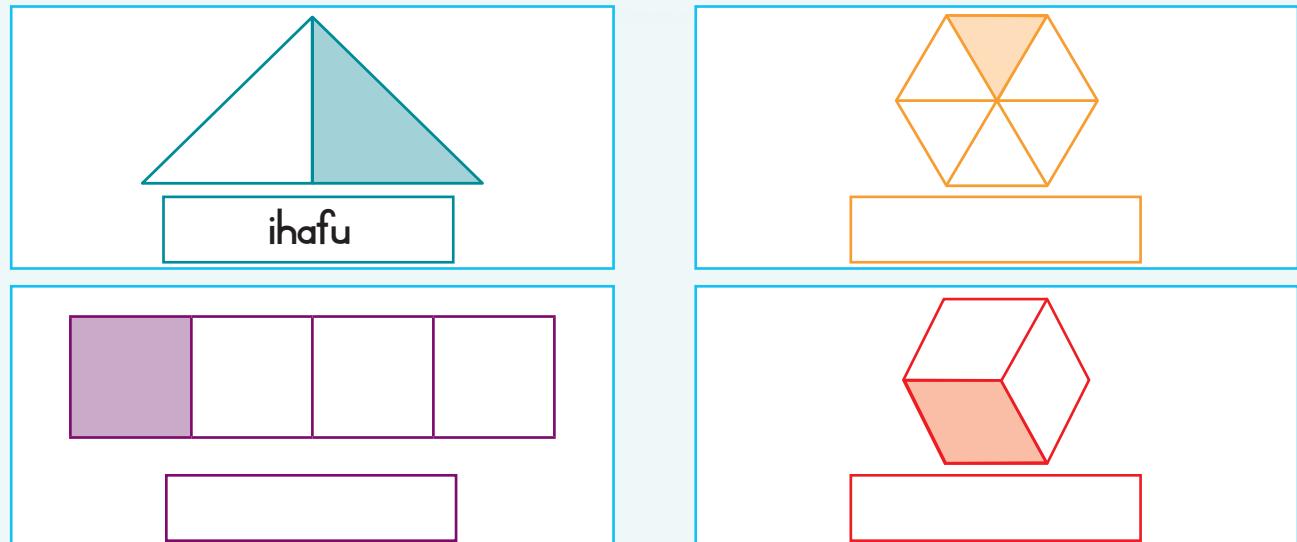


Khalara lokhu okulandelako. Ngikuphi okuyelelako?

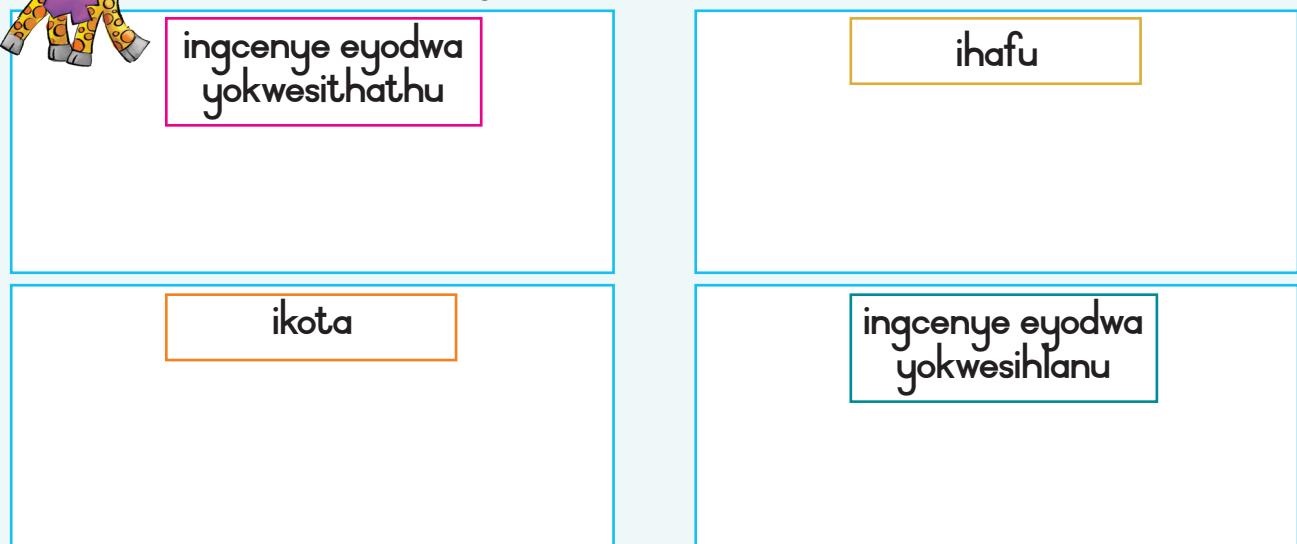




Yitjho kobana ubujamo ngabunye  
obufiphaziweko bulicezu liphilobujamo. Tlola ngamagama.



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

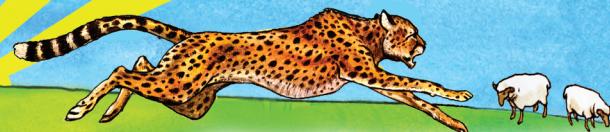


Buza umma wakho nanyana umtlhogomeli wakho kobana yena uyokuthenga ini:

- Ihafu eyodwa:
- Ingcenyeyodwayokwesithathu:
- Ikota eyodwa/Ingcenyeyodwayokwesine:
- Ingcenyeyodwayokwesithandathu:



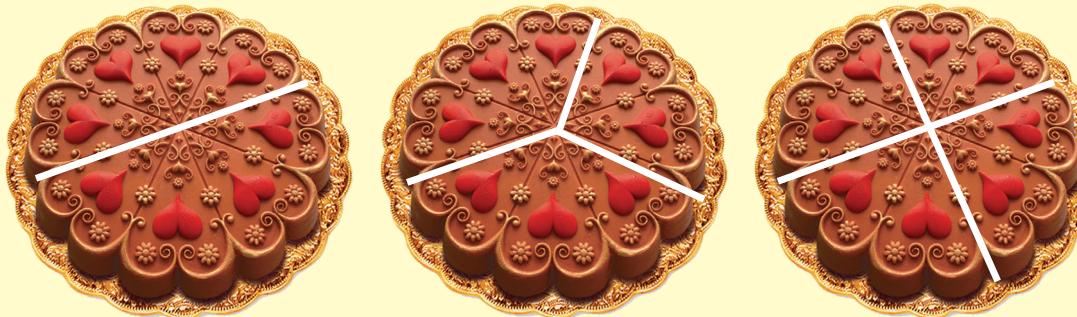

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## Okunengi ngamacezu

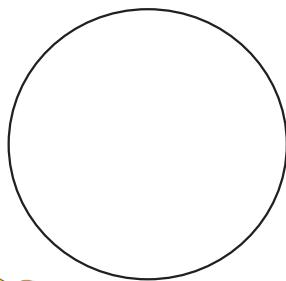
Ithemu 4

Wena ungakhetha icezu kiliphi ikhekhe? Kubayini

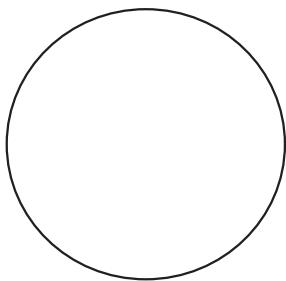


Umngani wakho ukubawe bonyana uhlukanise ipitsa ngamacezu alinganako.  
Yenza umgwalo ukuze utjengise yinye.

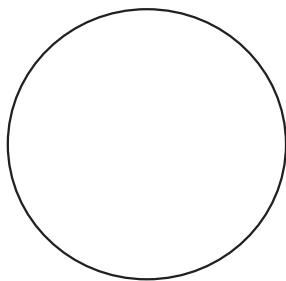
Abohafu



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 noJohn badle ingcenyeyodwa yokwesithathu yepizza. Badle ipizza engangani?

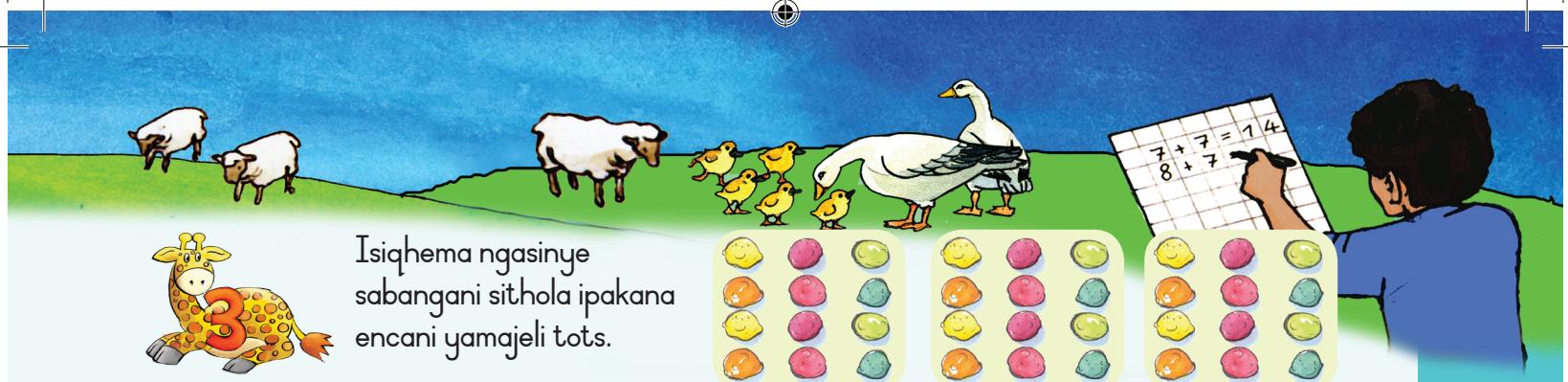
- Ingcenyeyodwa yokwesithathu yepizza nanyana
- ipizza epheleleko?

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

- Ikota eyodwa nanyana
- amakota amane?

Phendula imibuzo elandelako:

- Nangabe ngiqlikhanisa ipizza ngamacezu wokwesihlanu, sizokudla amacezu wokwesihlanu wepizza amangaki wokupheleleko? \_\_\_\_\_
- Nangabe ngiqlikhanisa 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?	Iingcenyé ezimbili zabohafu	Iingcenyé ezintathu zokwesithathu	Amakota amane



Khalara icezu elifana patsi nokukodwa okupheleleko.

Amakota amane

Iingcenyé eyodwa yokwesithathu

Iingcenyé ezimbili zamakota

Ihafu eyodwa

Iingcenyé ezintathu zamakota

Ikota eyodwa

Abohafu ababili

Iingcenyé eyodwa yokwesithathu

Iingcenyé ezimbili zakwesihlanu

Iingcenyé ezimbili zokwesihlanu

Iingcenyé ezimbili zokwesithathu

Iingcenyé ezintathu zokwesihlanu

Iingcenyé ezihlanu zakwesihlanu

Iingcenyé ezine zokwesihlanu

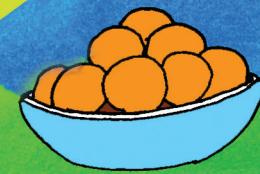
Iingcenyé ezintathu zakwesithathu

Wena ungakhetha ini? Iingcenyé ezine zamakota wetjhokoledi nanyana ingcenyé eyodwa  
epheleleko yetjhokoledi. Kubayini?



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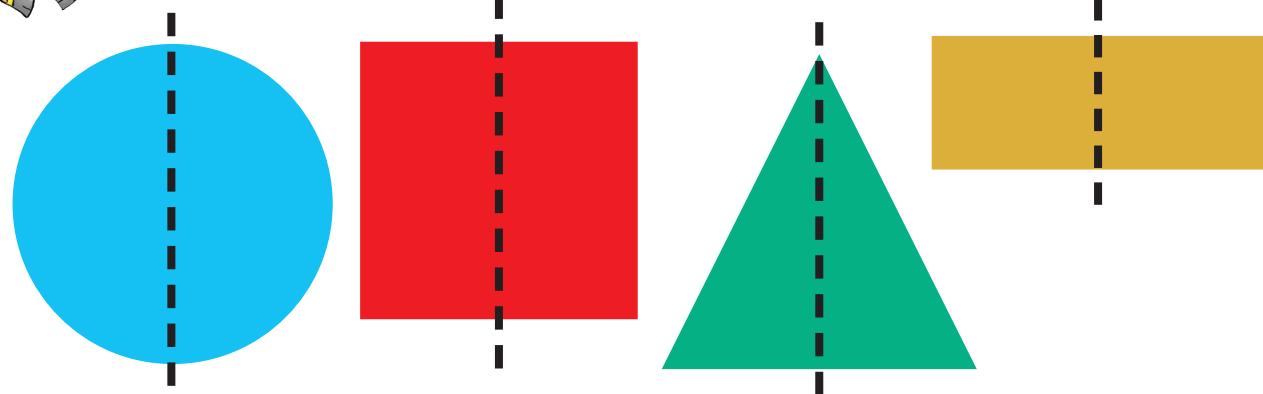
## Ukufana mahlangothi woke namajamo

Ilanga:

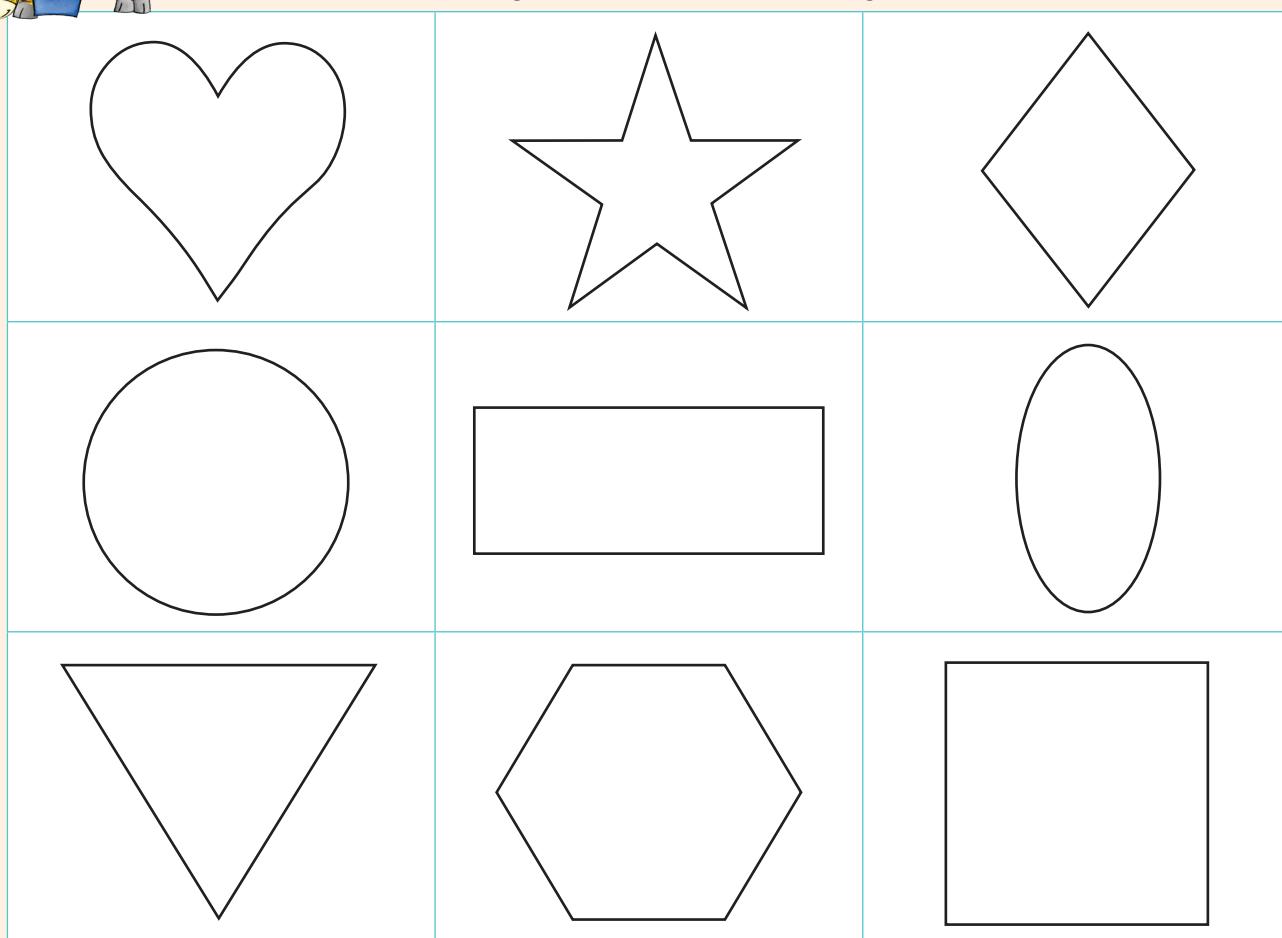
Ithemu 4

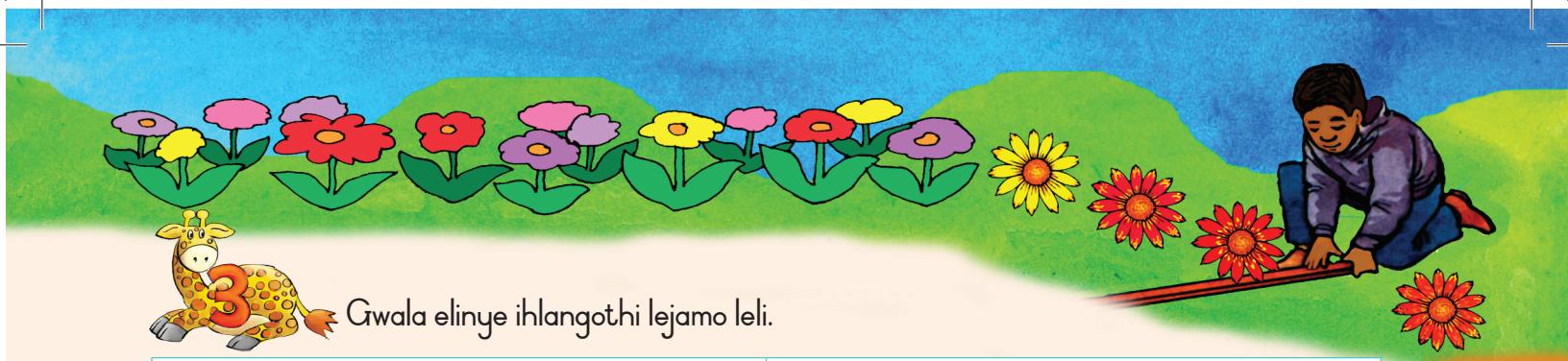


Qala iinthombe zamajamo. Ingabe ihlangothi libonakala lifana namanye amahlangothi? Ingabe ayafana mahlangothi woke?



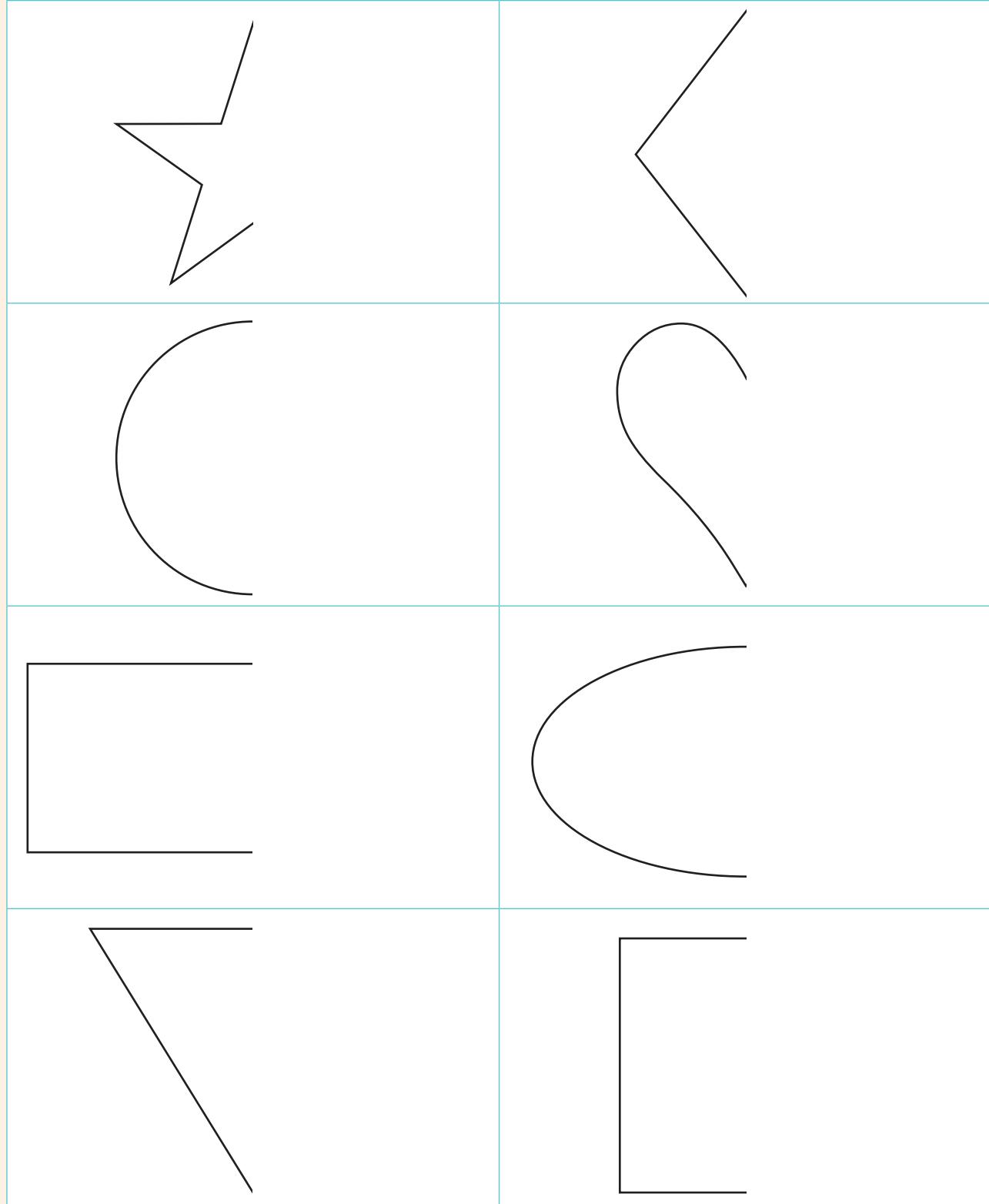
Gwala umuda ukuze elinye ihlangothi lilingane nelinye.





3

Gwala elinye ihangothi lejamo leli.



Teacher:
Sign:
Date:

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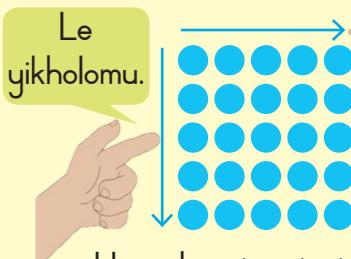
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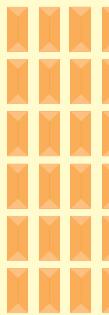
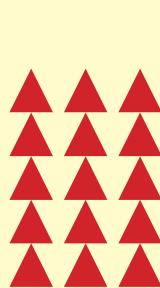


## Ukuhlela kanye namacezu

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



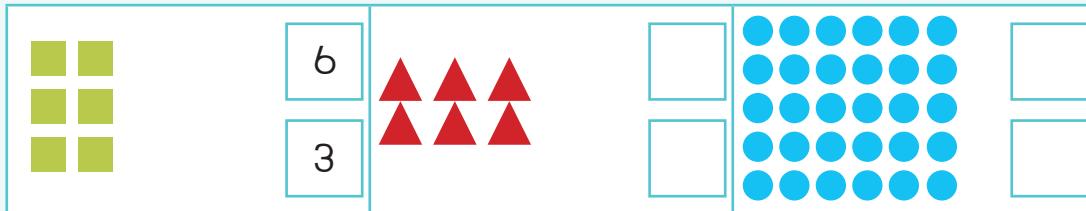
Lo mumuda.



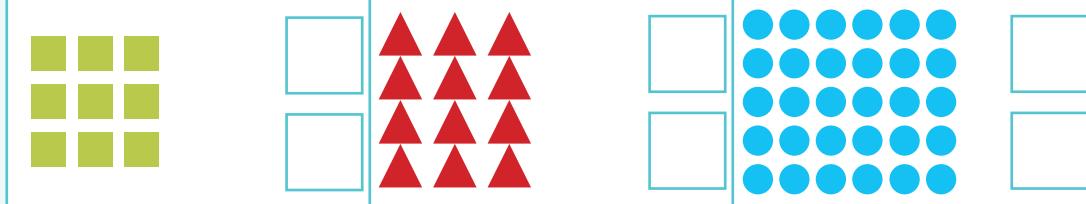
Uwasebenzise njani amakholomu kanye nemida ukukusiza?



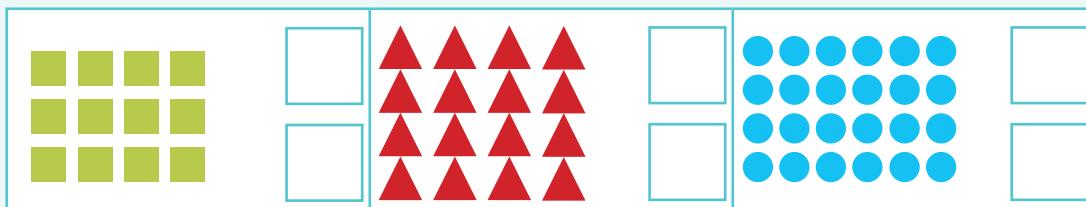
Kunamabumbeko amangaki lapho? Iyini ingcenyeyodwa yehafu emabumbekweni?



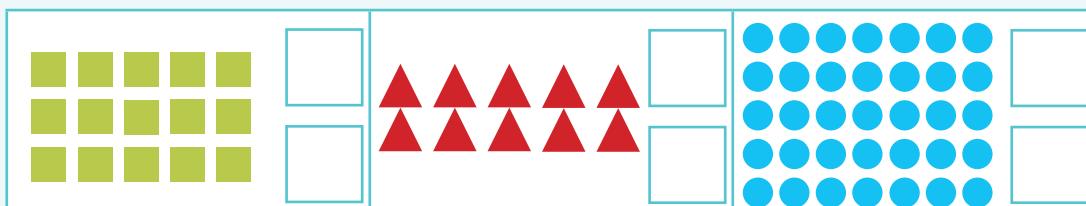
Kunamabumbeko amangaki lapho? Iyini ingcenyeyokwesithathu yamabumbeko?



Kunamabumbeko amangaki lapho? Iyini ingcenyeyodwa yekota yamabumbeko?



Kunamabumbeko amangaki lapho? Iyini ingcenyeyodwa yokwesihlanu yamabumbeko?





Qedelela 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:



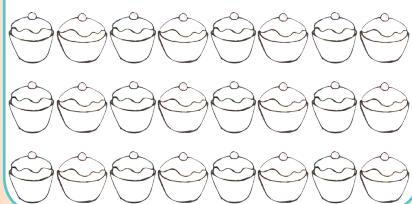
Ikota eyodwa  
yamaswidi ali-12.

Ingcenyeye eyodwa  
yokwesithathu yamaswidi ali-12

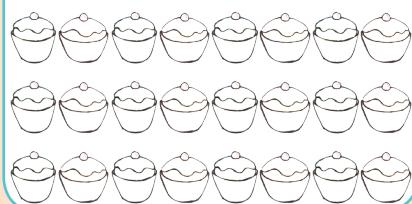
Ihafu yamaswidi ali-12

Umma ubhage amakhekhana wangeenkomitjini ama-24, abhagela imizi elandelako. Nakhu  
abaku-odileko: Sebenzisa iinthombe zamakhekhana wangeekomitjini ukuze akuhlalhe.

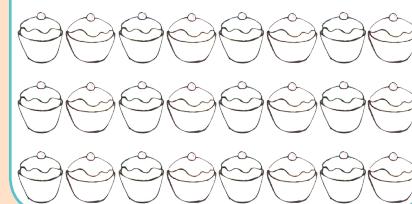
Ihafu eyodwa yesitrowubheri bese  
kuthi ingcenyeye eseleko yoke kuge  
yivanila.



Ikota eyodwa yetjhokoledi  
bese kuthi ingcenyeye  
eseleko yoke kuge yivanila.



Ingcenyeye eyodwa yokwesithathu  
yekharameli bese kuthi ingcenyeye  
eseleko yoke kuge yivanila



Teacher:

Sign:

Date:

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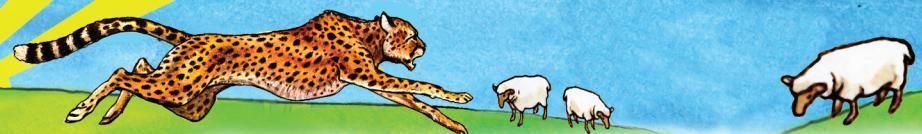
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Ilanga:

## Icezu ngezinto ezibuthelelweko

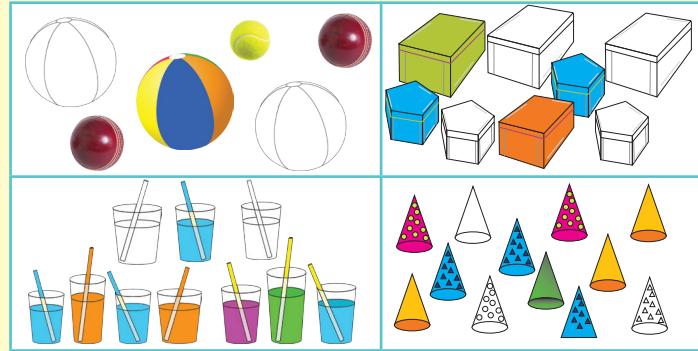
Qala ehlatululweni bese umadanisa nesithombe ukuze utjengise kobana licezu liphī lento elikhalariveko. Khuluma ngalokhu.

Ihafu eyodwa yezinto ezibuthelelweko

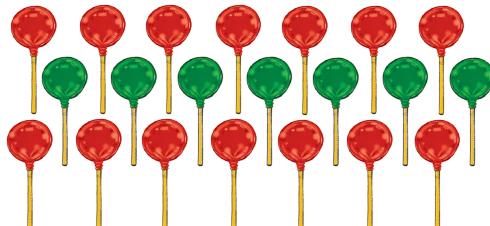
Ingcenyeye eyodwa yokwesithathu yezinto ezibuthelelweko

Ikota eyodwa yezinto ezibuthelelweko

Ingcenyeye eyodwa yokwesihiyanu yezinto ezibuthelelweko



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





Rarulula umraro wamagama. Umma unamanani ehlisiweko...

**Unamarhembe ali-15. Uthengise ma-5.**

Uthengise liphi icezu?

Thalela ipendulo.

Ngiziphi iinomboro eziqakathhekileko? \_\_\_\_\_

Gwala isithombe utjengise ipendulo yakho.

**Bekanamajezi ali-18. Uthengise ali-9.**

Uthengise liphi icezu?

Thalela ipendulo.

Ngiziphi iinomboro eziqakathhekileko? \_\_\_\_\_

Gwala isithombe utjengise ipendulo yakho.

**Uneenkhethe ezili-12. Uthengise ezi-3.**

Uthengise liphi icezu?

Thalela ipendulo.

Ngiziphi iinomboro eziqakathhekileko? \_\_\_\_\_

Gwala isithombe utjengise ipendulo yakho.

**Uneembajji ezi-20. Uthengisa ezi-4.**

Uthengise liphi icezu?

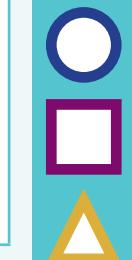
Thalela ipendulo.

Ngiziphi iinomboro eziqakathhekileko? \_\_\_\_\_



Ngiliphi icezu elisemakhkheni wangeenkomitjini ane-ayisingi yebbanana?

I-ayisinghi yestrowubheri?  I-ayisinghi yebhabulgamu?



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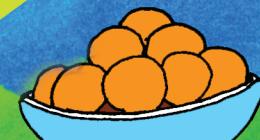
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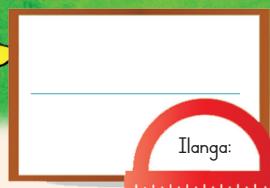
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Ukufana

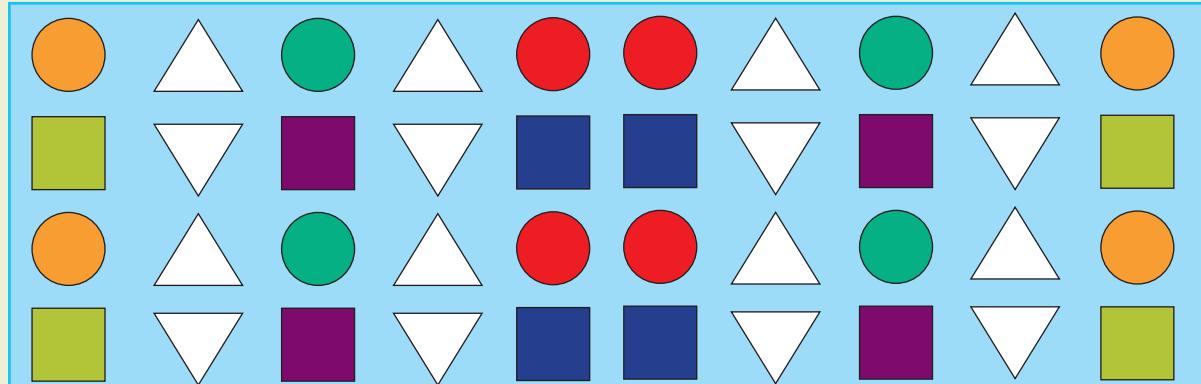


## mahlangothi woke kumaphethini

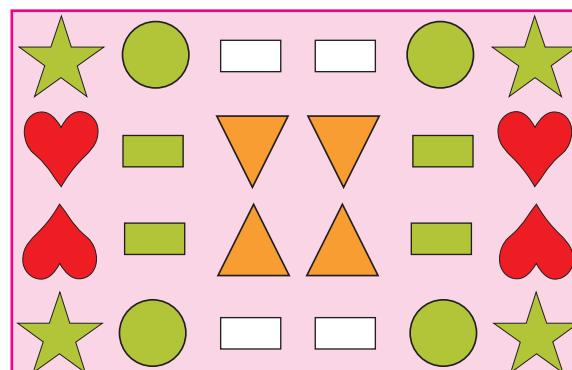
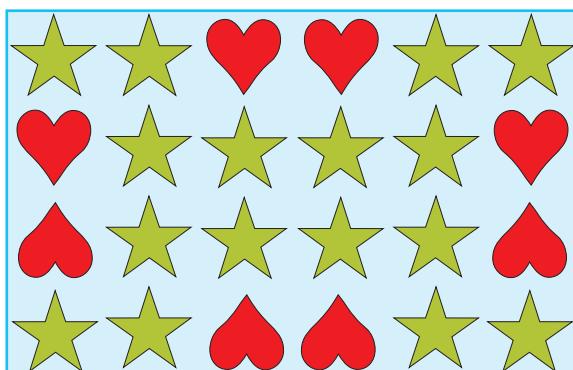
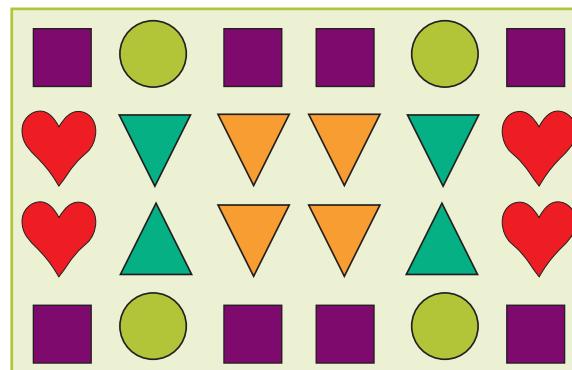
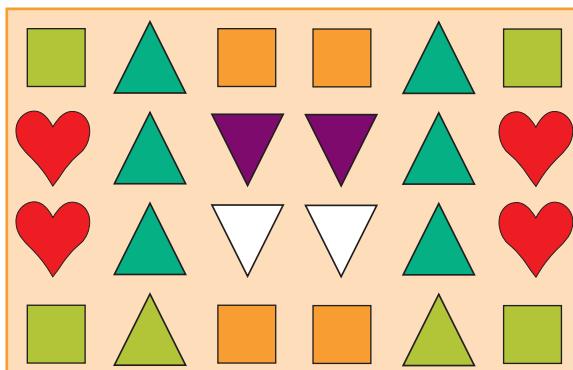
Ithemu 4

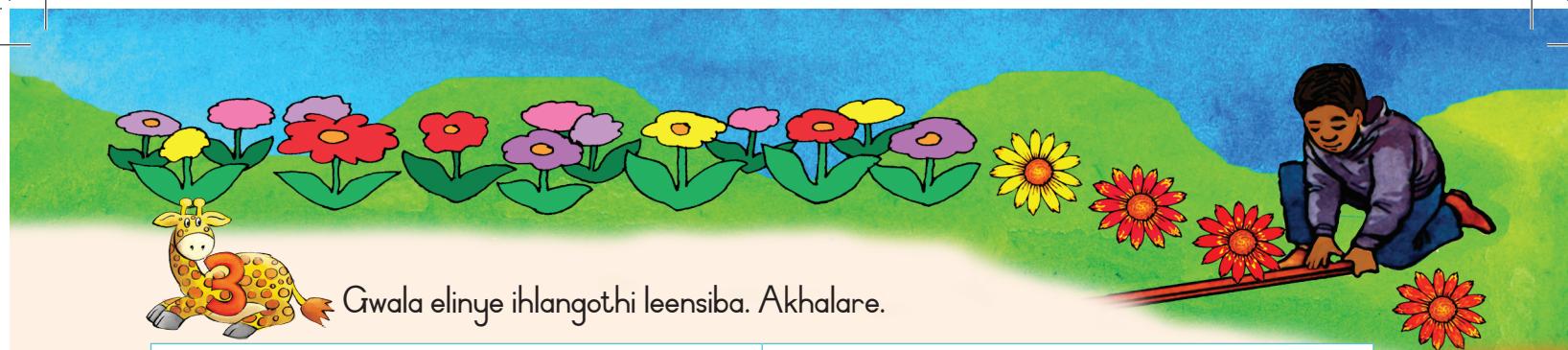


Qala iinthombe zeensiba. Ngikuphi okubonako?

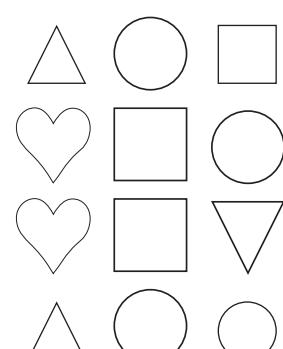
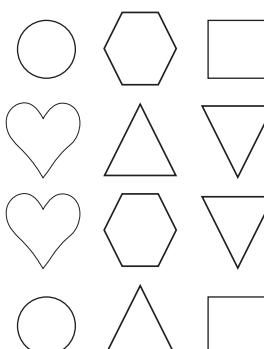
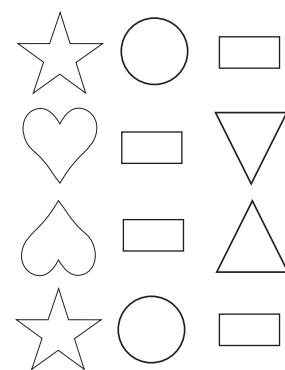
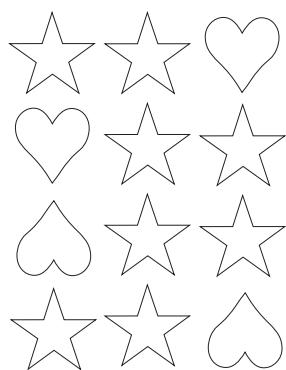
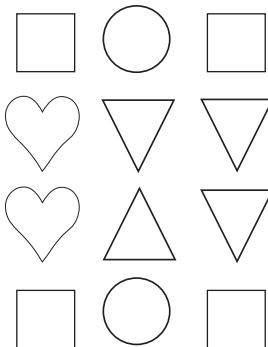
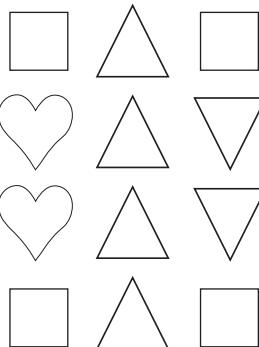


Gwala umuda ukuze elinye nelinye ihlangothi leensiba lezi lifane nelinye.



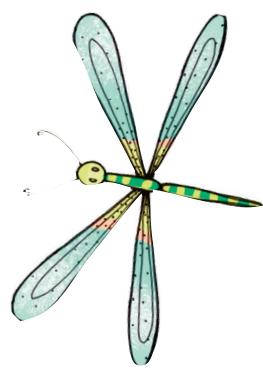


Gwala elinye ihlangothi leensiba. Akhalare.

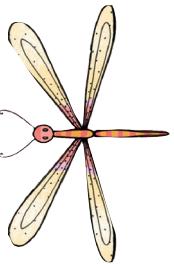
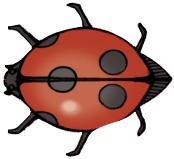




Qala iinthombe zamajamo. Ingabe ihlangothi libondkala lifana namanye amahlangothi? Ingabe aqafana mahlangothi woke?



Gwala umuda ukuze ihlangothi ellodwa lenunwana lifane nelinye.



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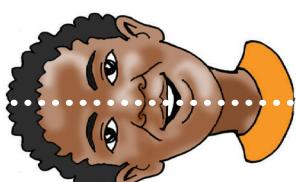
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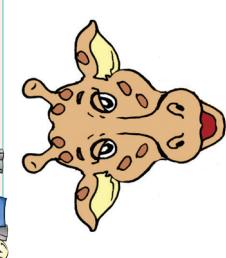
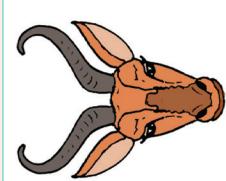
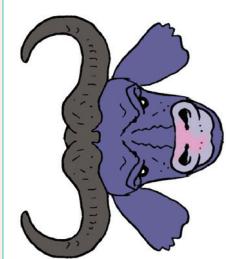
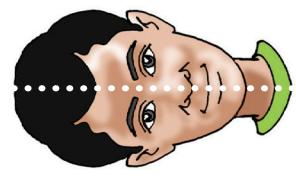
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## Okhunye ukubandeka-bulingana

Qala iinthombe zobuso.  
Ingabe ihlangothi ellodwa lobuso lifana nelinye ihlangothi?



Gwala umuda ukuze amahlangothi womibili wobuso afane.



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Ithemu 4

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