



UKz. Angie Motshekga,
nguNqgonqgotjhe
wezeFundo-Sisekelo



UNom. Enver Surty,
nguSekela kaNqgonqgotjhe
wezeFundo-Sisekelo

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

Iincwadi zokuSebenzela zakwaRainbow ziyingceny yeendlela ezinengi zomNyango wezeFundo-Sisekelo wokungelela onqopho ukuthuthukisa ukusebenza ngcono kwabafundi beSewula Afrika kumagreyidi wokuthoma asithandathu. Njengamanye wamaHlelo womBuso aphuma phambili. iprojekthi le isekelwe ngeemali ezibuya esiKhwameni seeMali seLizweloke. Lokhu kusize umNyango ukukhupha iincwadi zokusebenzela lezi ngawo woke amalimi asemthethweni ngaphandle kweendleko. Siyathemba kobana nizokufunyana iincwadi zokusebenzela lezi zilisizo khulu ekufundiseni kwenu kwangamalanga kanye nokuqinisekisa kobana abafundi benu bayayiqeda ikharihyulamu.

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

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

Sinifisela ipumelelo ekusebenziseni iincwadi lezi.

ISBN 978-1-4315-0140-3



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

ISBN 978-1-4315-0140-3

THIS BOOK MAY
NOT BE SOLD.

1 2 3 4

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

© Department of Basic Education
Fifth edition 2015

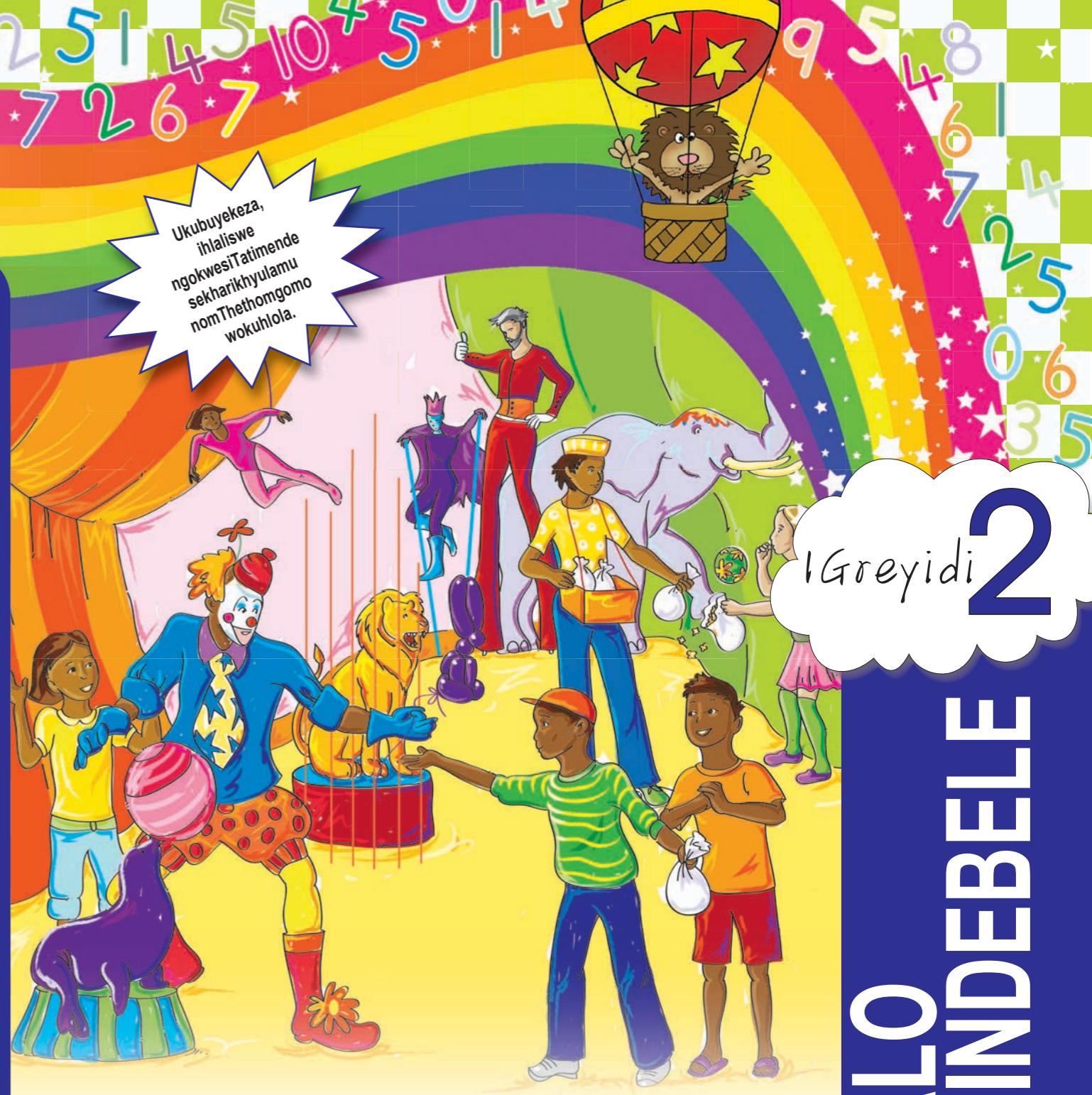
Author team: Blom, L., Aitchison, J.J.W.



The Department of Basic Education has made every effort to trace copyright holders but if any have been inadvertently overlooked, the Department will be pleased to make the necessary arrangements at the first opportunity.

IMBALO NGESINDEBELE – iGreyidi 2 Incwadi 2

ISBN 978-1-4315-0140-3



Ibizo:

Itlasi:



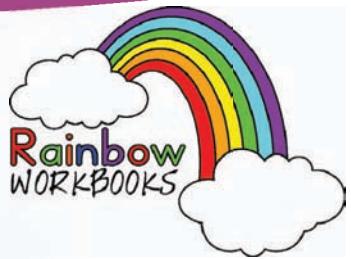
basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA



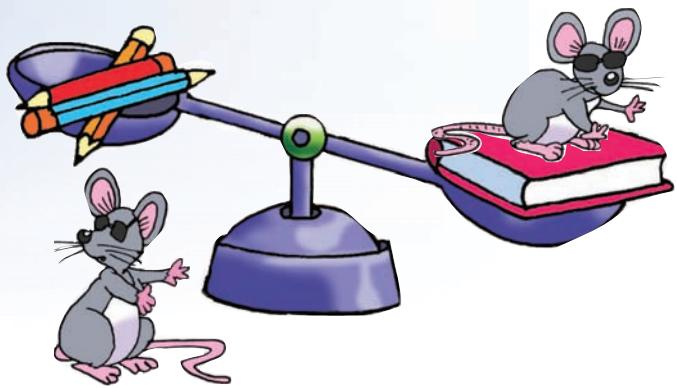
Incwadi 2
Ithemu
3 & 4

IBanga 2



i m b a l o

Incwadi le ngeyaka:-

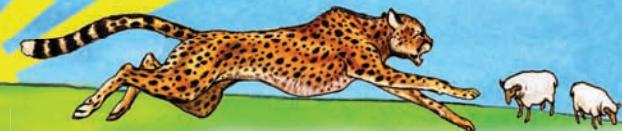


Incwadi

2

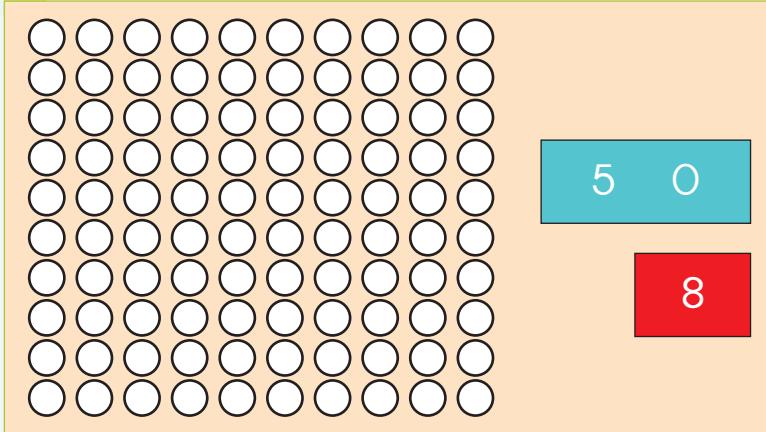
ISINDEBELA

65



Inomboro 50 – qq

Khalara ngaphakathi kweeyingi ezi-58.



Tlola ipendulo. Isibonelo sokuthoma sizokuhlahla.

$\begin{array}{r} 60 + 8 \\ = 68 \end{array}$	$\begin{array}{r} 80 + 6 \\ = \end{array}$	$\begin{array}{r} 50 + 3 \\ = \end{array}$
$\begin{array}{r} 70 + 1 \\ = \end{array}$	$\begin{array}{r} 90 + 5 \\ = \end{array}$	$\begin{array}{r} 60 + q \\ = \end{array}$



Tlola iimpendulo zemibuzo engehla ngamagama:

amatjhumi asithandathu nobunane

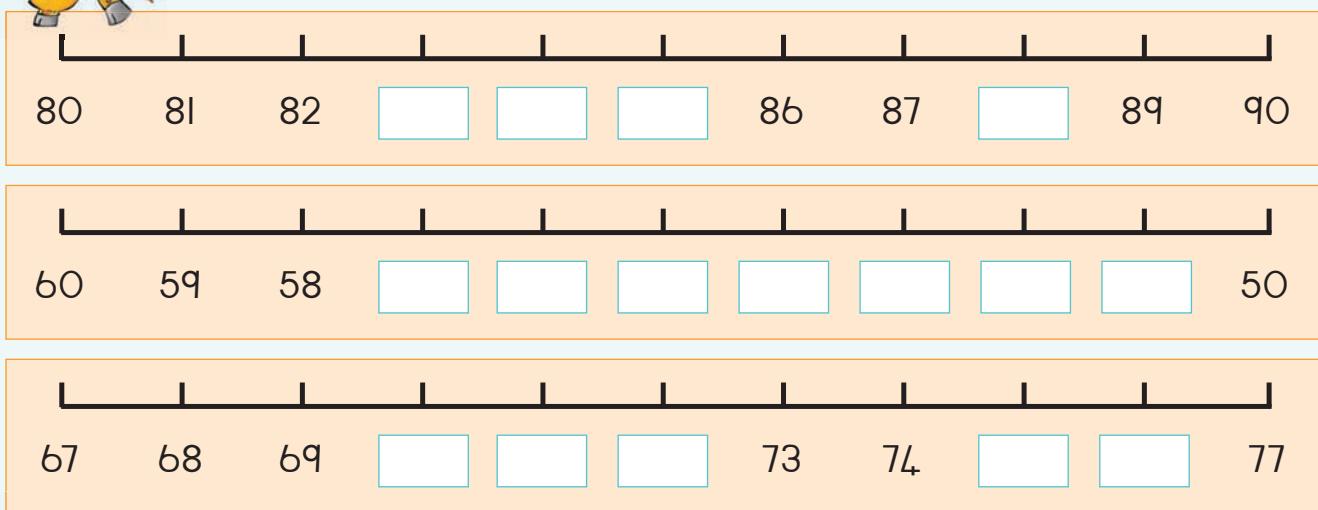


Tlola iinomboro ezimbili ezincani neenomboro ezimbili ezikulu kunaleyo enikelweko.

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



Qedelela amanambalayini alandelako.



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

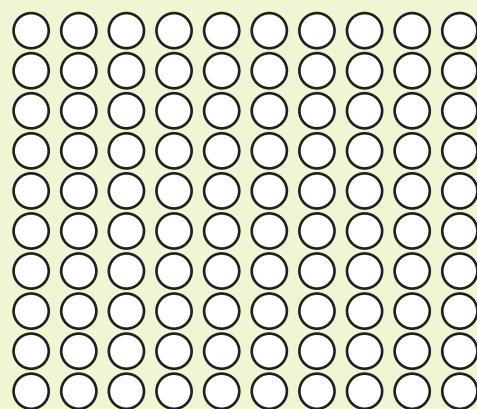
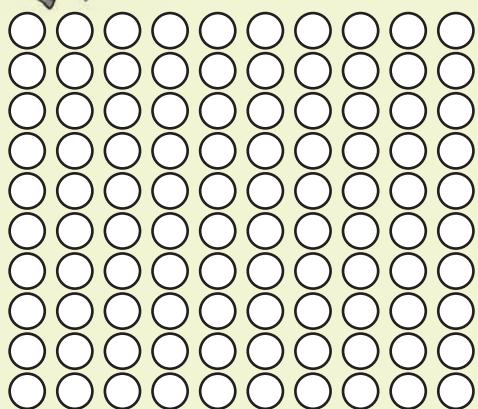


66



Iinomboro 100–150

Khalara ngaphakathi kwesiyingga se-139.



1 0 0

3 0

q



Tlola inomboro ejamele:

1 0 0 2 0 8

$$100 + 20 + 8 = 128$$



1 0 0 4 0 q

=

1 0 0 4 0 2

=

1 0 0 5 0

=

1 0 0 2 0 7

=

1 0 0 3 0 5

=



Ngiziphi iinomboro eziza hlangana:

103 na-105?

139 na-141?

120 na-122?

150 na-148?

146 na-148?

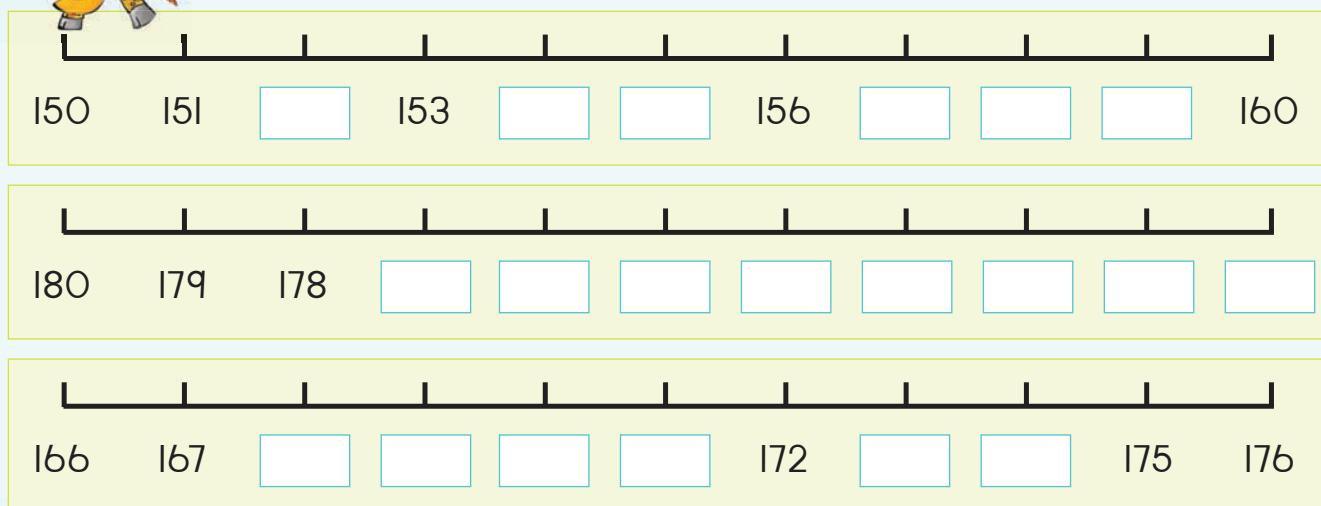


Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu
kunenomboro enikelweko.

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



Qedelela amanambalayini alandelako.



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



Teacher:
Sign:
Date:

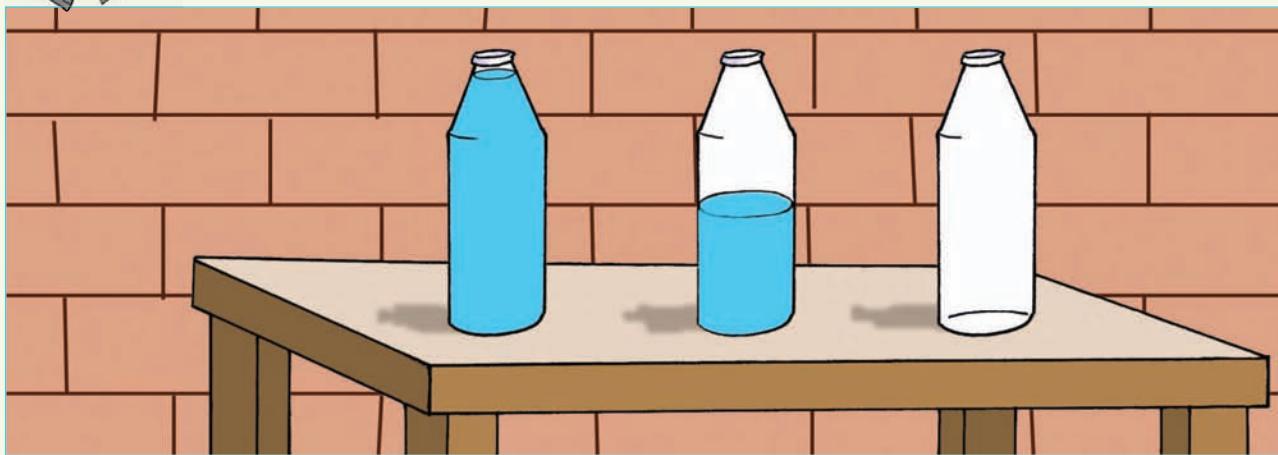
67



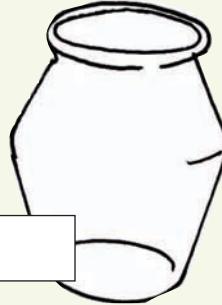
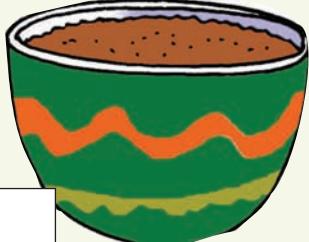
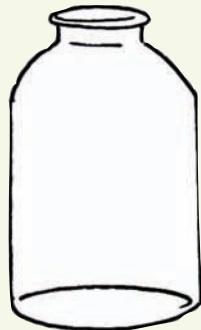
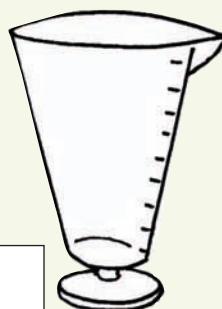
Zeleko, isikhekhe, akunalitho

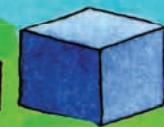
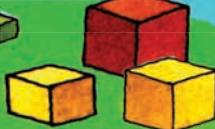
Khulumani ngamabhollelo aphezu kwetafula lakatitjhhere.

Ithemu 3



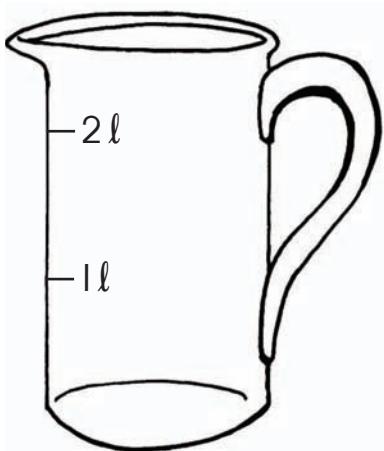
Yitjho nangabe isimumathi sizele, sisikhlekhe nanyana asinalitho.



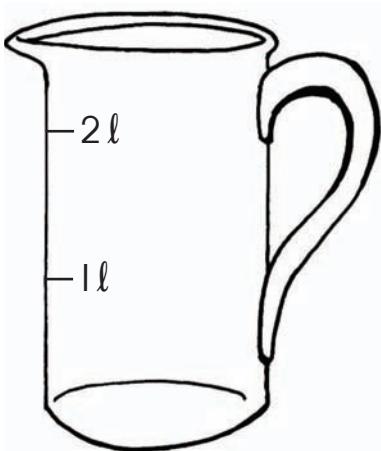


Khalara ukutjengisa kobana kunetlelezi elingangani ngesimumathini.

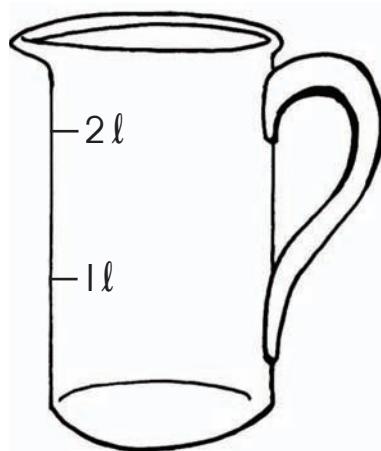
Kuzele



Sikhhekhe



Akunalitho



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

Kuzele

Sikhkekhe

Akunalitho



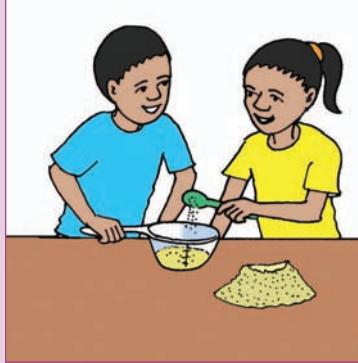
Ngisiphi isimumathi esimumatha itlelezi elinengi?



Okhunye ngeemumathi nomthamo



Qala iinthombe. Abentwana benzani?



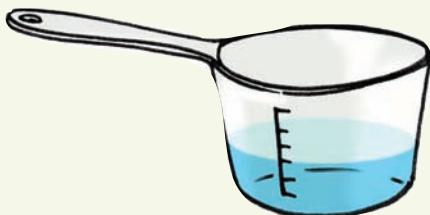
Amakhezo azokuzalisa ijego kufikela kuphi? Khalara.

Ikhezo letiye elilodwa
lizalisa ikomiki
kufika lapha.





Utlhoga amanye amakhezo amangaki ukuzalisa ikopi lokulinganisa?



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



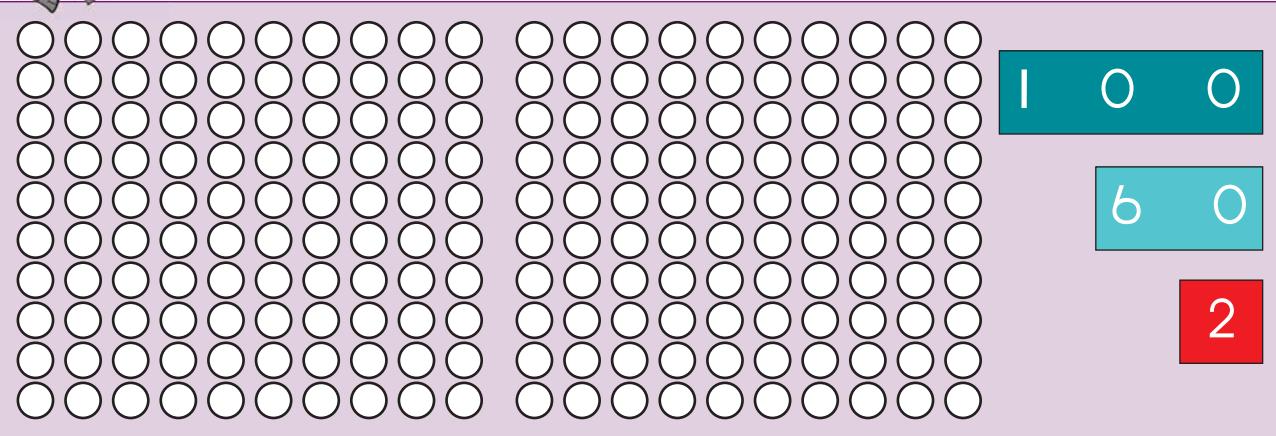
Teacher: _____
Sign: _____
Date: _____

69



Inomboro 150 – 170

Khalara ngaphakathi kwesiyingi se-162.



Tlola inomboro ejamele:

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



Tlola enye nenyi inomboro ehlangana:

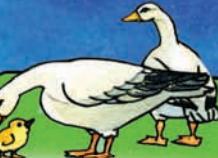
150 na-155 _____

158 na-162 _____

170 na-165 _____

163 na-167 _____

172 na-166 _____



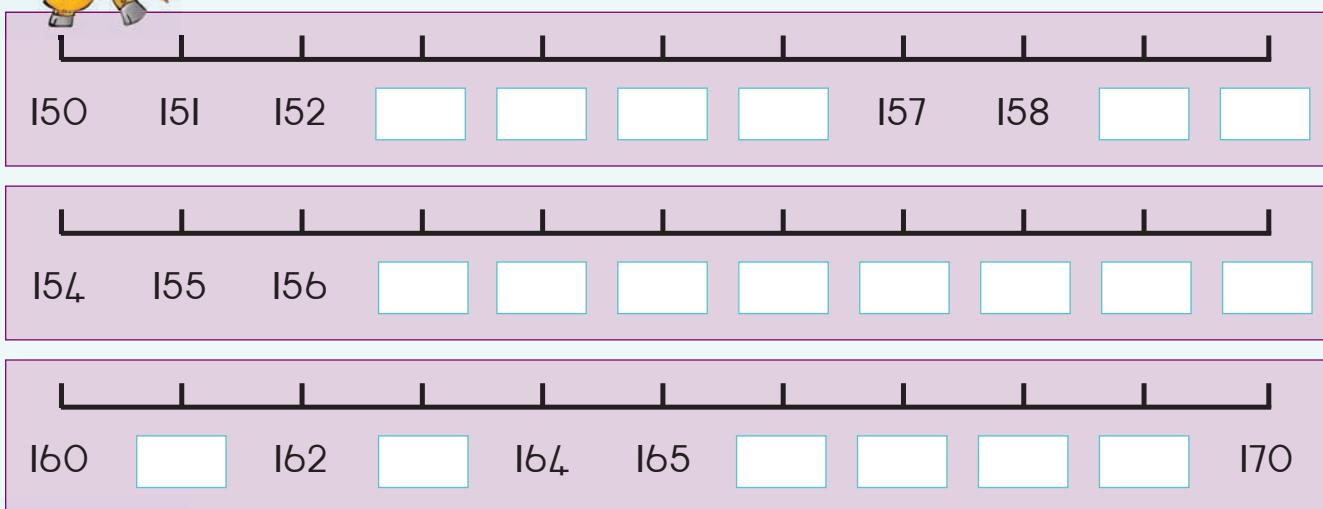
Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu
kunenomboro enikelweko.



Ncani kuna-	Inomboro	Khulu kuna-
	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.



Teacher:
Sign:
Date:

70

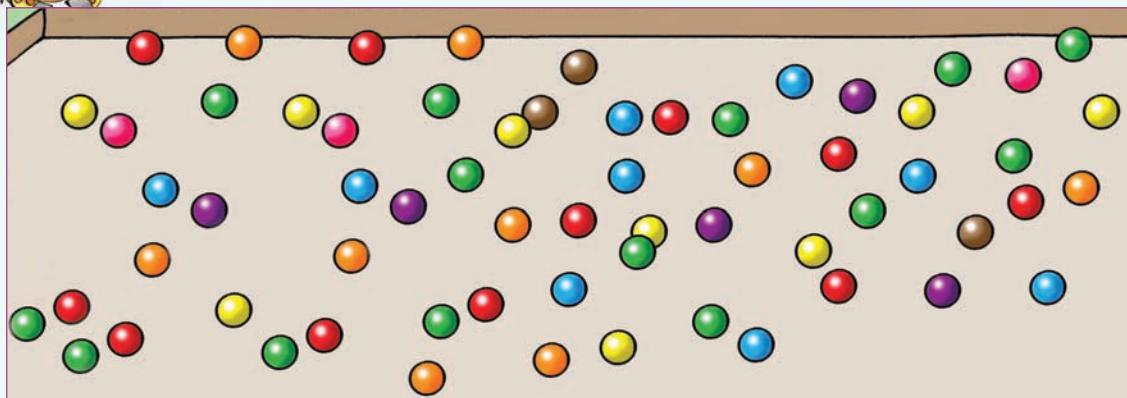


Ukubala nokulinganisa (0 – 100)

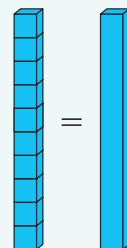
Ilanga:

Linganisa bese ubala umncamo.

Ithemu 3



Ngesimumathini kunamabhoksi ali-10.
Linganisa bese uyabala.



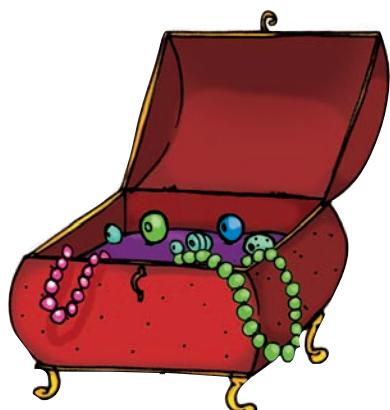
<p>linganisa <input type="text"/></p> <p>balisia <input type="text"/></p>	<p>linganisa <input type="text"/></p> <p>balisia <input type="text"/></p>
<p>linganisa <input type="text"/></p> <p>balisia <input type="text"/></p>	<p>linganisa <input type="text"/></p> <p>balisia <input type="text"/></p>
<p>linganisa <input type="text"/></p> <p>balisia <input type="text"/></p>	<p>linganisa <input type="text"/></p> <p>balisia <input type="text"/></p>



Ngebhoksini kunamaswidi ama-42. Mangaki amaswidi afihliweko?



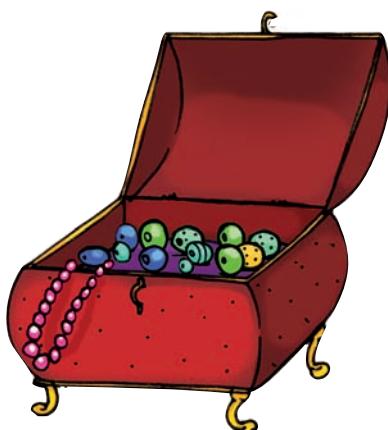
Ngebhoksini kunemincamo ema-50. Mingaki imincamo efihliweko.



Ngebhoksini kunamaswidi ama-78. Mangaki amaswidi afihliweko?



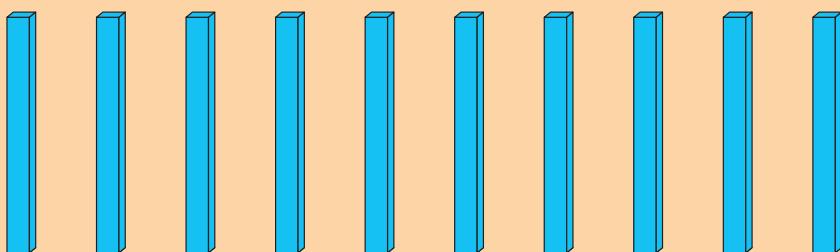
Ngebhoksini kunemincamo eli-100. Mingaki imincamo efihliweko.





Ungakwenza ngokurhaba okungangani lokhu?

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





Teacher: _____
Sign: _____
Date: _____

71



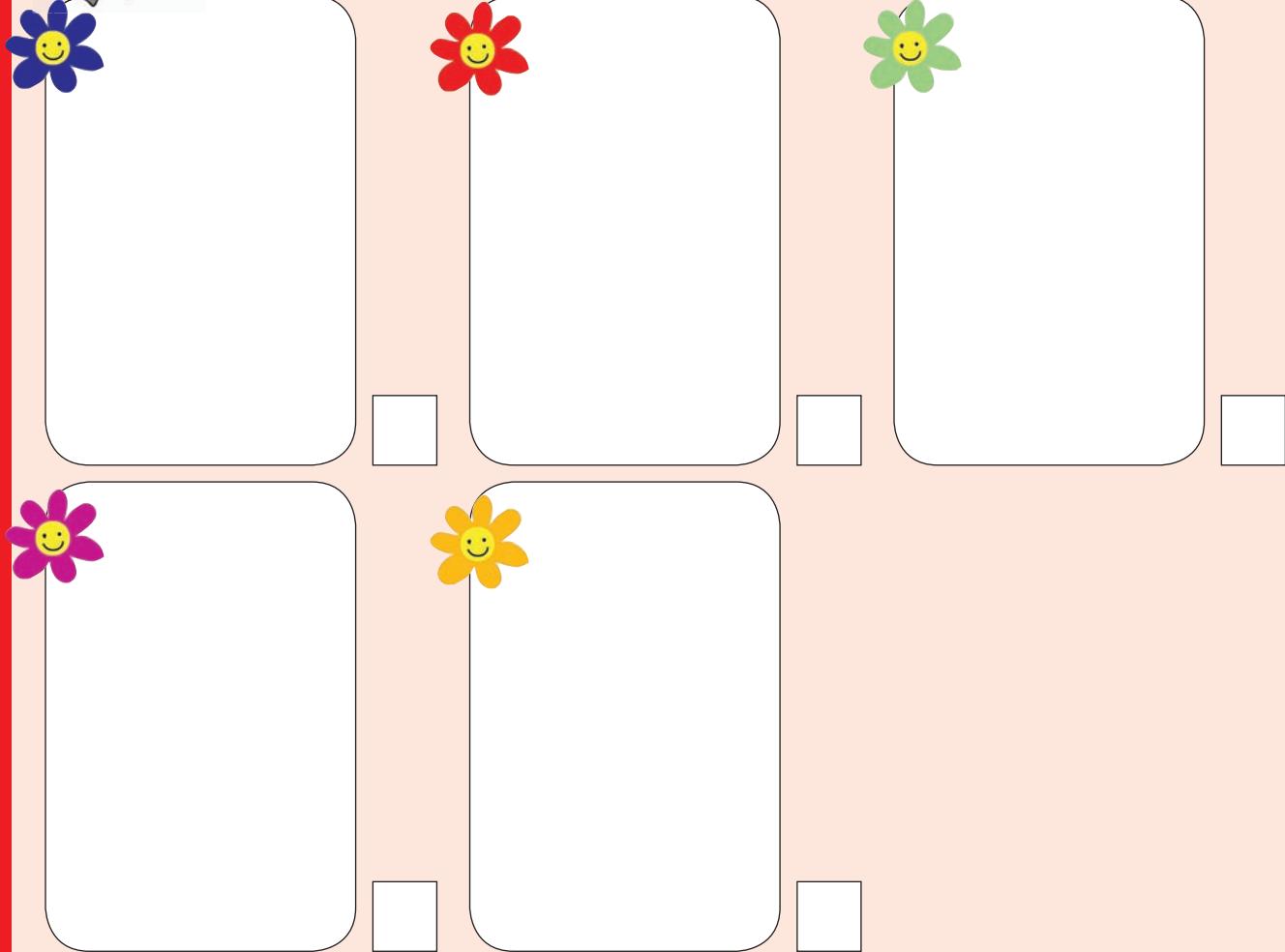
Eminye imininingwana

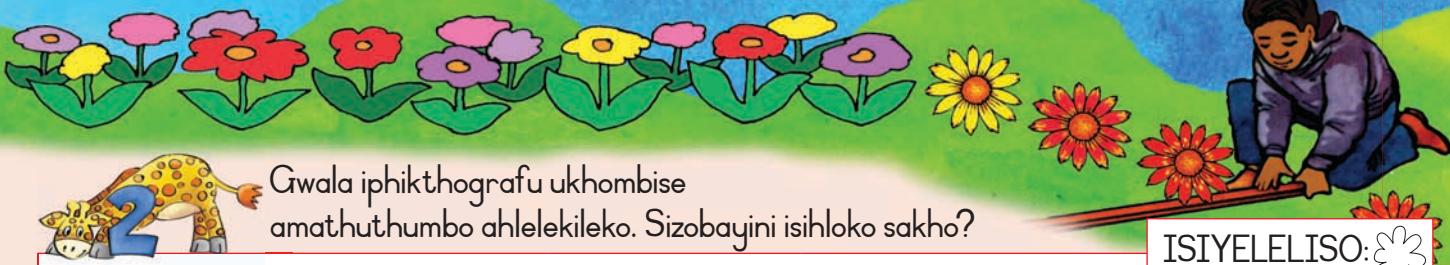
Ilanga:

Ithemu 3



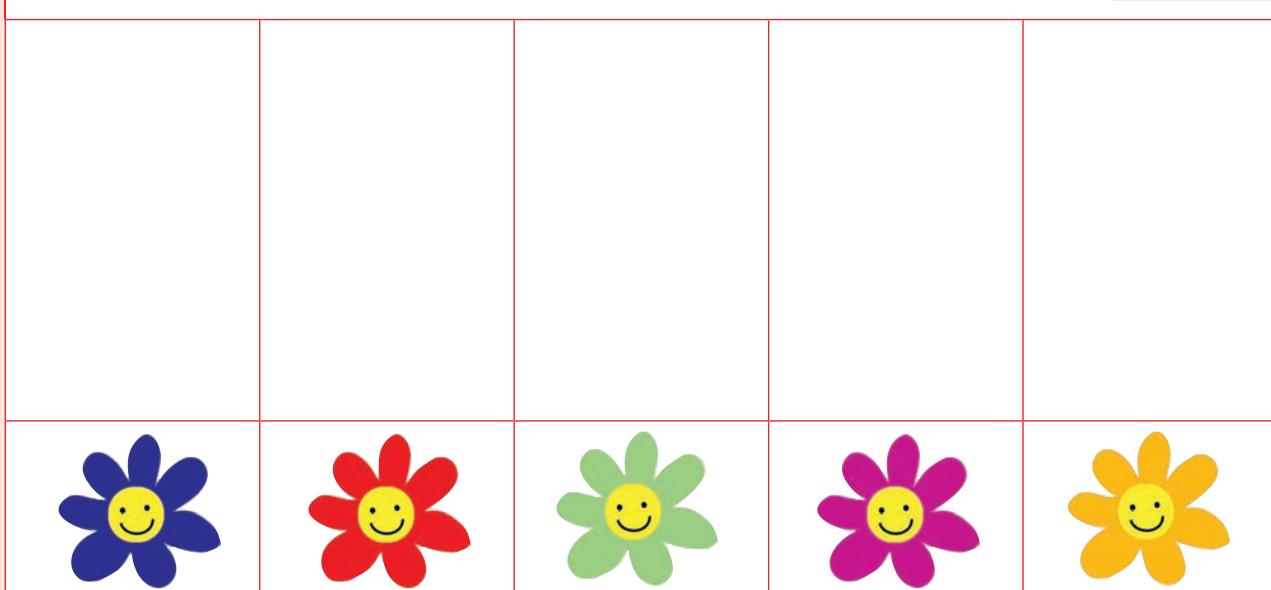
Hlela amathuthumbo. Gwala umgwalo wakho. Tlola inani ngaphakathi.





Gwala iphikthografu ukhombise
amathuthumbo ahlekileko. Sizobayini isihloko sakho?

ISIYELELISO:



Phendula imibuzo elandelako:

Kunamathuthumbo amangaki aphephuli lapha?

Kunamathuthumbo amangaki abovu lapha?

Kunamathuthumbo amangaki ahlaza kotjani lapho?

Kunamathuthumbo amangaki apinkki lapha?

Kunamathuthumbo amangaki asarulana lapha?

Ngiliphi ithuthumbo elinombala ovamileko?

Ngiliphi ithuthumbo elinombala ongakavami?

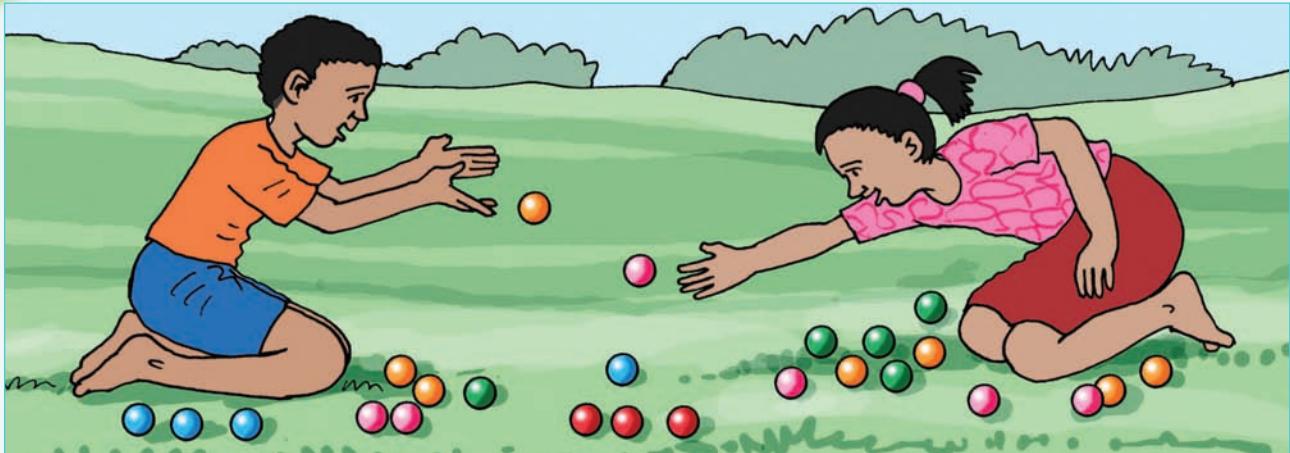
Ngiwuphi umbala wethuthumbo owuthandako wena?





Ukuhlanganisa 0 – 50

Ilanga:



Qala esithombeni bese uhlanganisa amabula.

abomvu

+ **ahlaza kwesibhakabhaka**

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

ahlaza satjani

+ **ahlaza kwesibhakabhaka**

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

apinki

+ **ahlaza kwesibhakabhaka**

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

ahlaza satjani

+ **a-orontji**

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

abomvu

+ **ahlaza satjani**

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



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

2

1 0

5

2 0

3

3 0

7

4 0

$$7 + 40 = 47$$

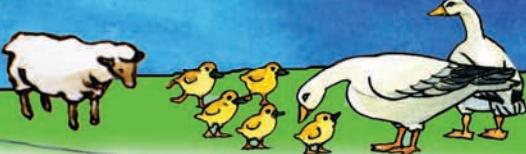
$$10 + 2 = 12$$

$$20 + 5 = 25$$

$$3 + 30 = 33$$



Hlanganisa.



Hlanganisa.

16 + 13

6	3	9
1	0	2
1	6	1
3	0	3

$$16 + 13 = 29$$

24 + 12

4	2	6
2	0	1
2	4	1
1	2	3

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

37 + 11

7	1	8
3	0	2
3	7	1
2	1	8

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

25 + 23

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

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

36 + 12

6	2	8
3	0	1
3	6	1
2	2	8

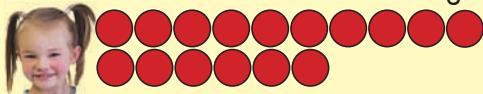
$$\boxed{} + \boxed{} = \boxed{}$$

28 + 21

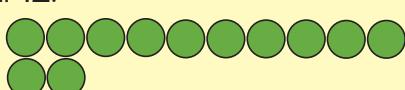
8	1	9
2	0	2
2	8	4
1	1	9

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

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



Zingaki sezizoke?



Teacher:

Sign:

Date:



11

12

13

14

15

16

17

18

19

20



Ukuhlanganisa okungaphezulu



Ibhlogo ngalinye linenani elingangani?

10
10

6 20
2 10

3 20
5 30

4 40
4 30



Hlanganisa.

$12 + 11$

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

$23 + 41$

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



Qedelela.

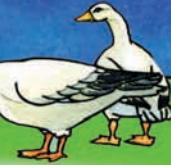
$28 + 11 = 2\boxed{8} + 10 + 1 = 38 + 1 = 39$

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

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

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

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



Hlanganisa.

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

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

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

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

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

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

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

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

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

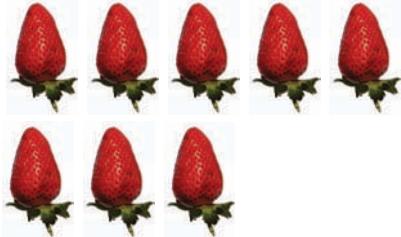
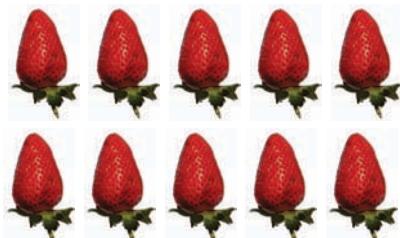
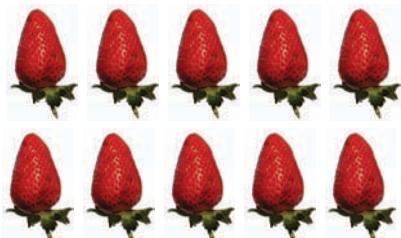
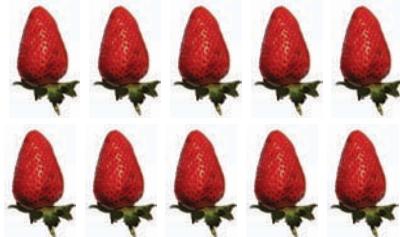
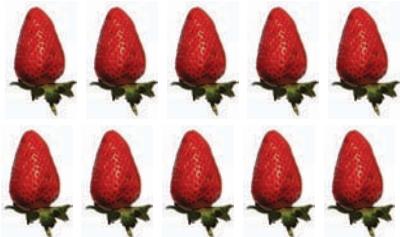


Ithini ipendulo nawuhlanganisa ama-47 kanye nesi-6?

Gwala isithombe ukuze utjengise ipendulo yakho.



Zenzele zakho iimbalo usebenzise iinthombe.



Teacher: _____
 Sign: _____
 Date: _____

74



Ilanga:

Ukuhlanganisa nokukhupha: 0 – 75

Ithemu 3



Madanisa amakarada. Gwala umuda usuke esibalweni uye ependulweni enembako.

q

6 0

5

5 0

4

7 0

7

4 0

$7 + 40 = 47$

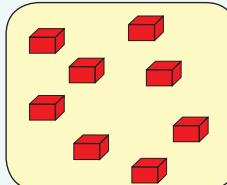
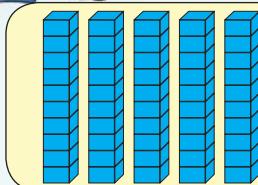
$60 + 9 = 69$

$50 + 5 = 55$

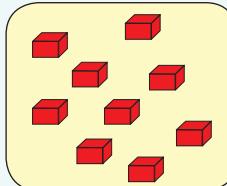
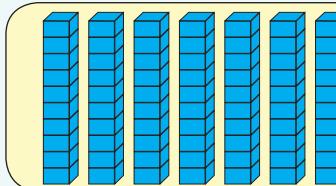
$4 + 70 = 74$



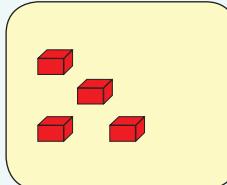
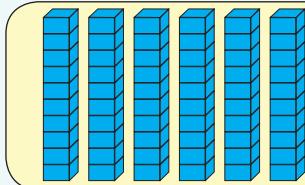
Tlola isibalo salokhu okulandelako bese uzaliselela ngependulo enembako.



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



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



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



$60 + 4 = \boxed{}$

$30 + 2 = \boxed{}$

$40 + 9 = \boxed{}$

$50 + 4 = \boxed{}$

Hlanganisa.

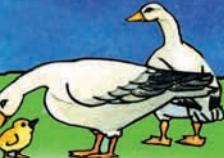
$20 + 8 = \boxed{}$

$10 + 7 = \boxed{}$

$70 + 5 = \boxed{}$

$70 + 8 = \boxed{}$

$50 + 6 = \boxed{}$



Hlanganisa.

$56 + 15$

+ =



$56 + 15 = 71$

$34 + 17$

+ =

$48 + 13$

+ =

$\square + \square = \square$

$63 - 41$

- =

$\square - \square = \square$

$75 - 51$

- =

$\square - \square = \square$

$72 - 49$

- =

$\square - \square = \square$



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

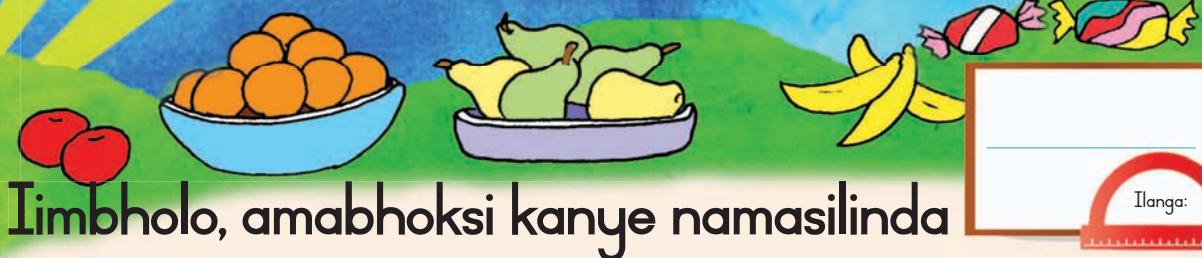


Teacher:

Sign:

Date:

Lithini inani lamabhlogo nasele awoke? _____



Amagama la
angakusiza:

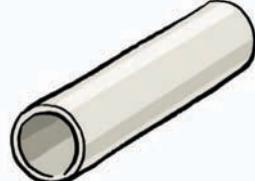
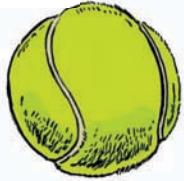
amabhoksi

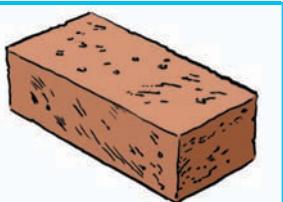
iimbholo

amasilinda



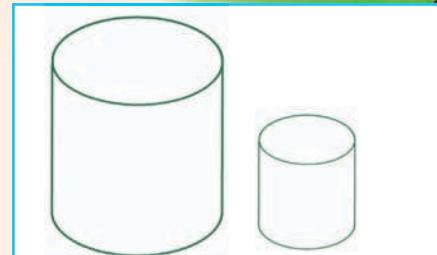
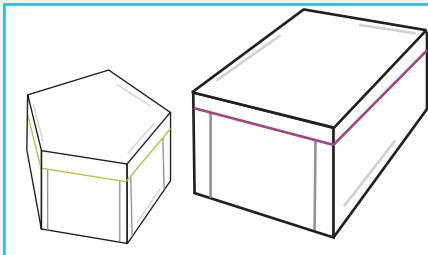
Thola iimbholo, amabhoksi kanye namasilinda bese utlolola ibizo ngaphasi kwelinye nelinye ibumbeko.







Khalara okuncani ngombala ohlaza kwesibhakabhaka.



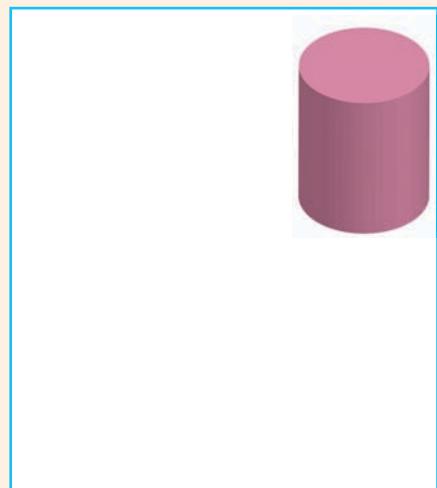
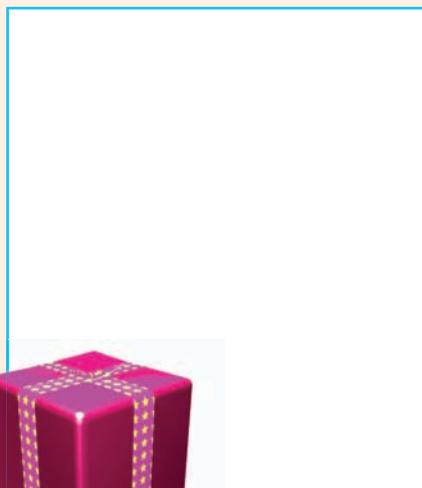
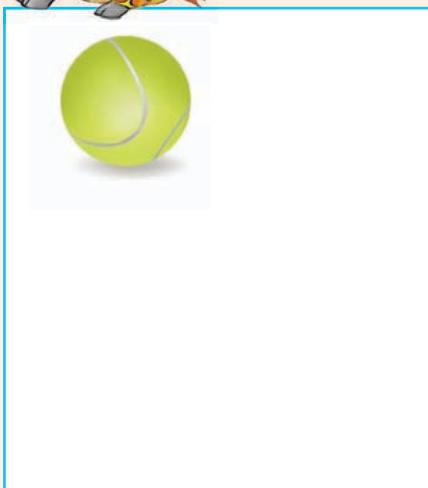
amabhoksi

iimbholo

amasilinda



Gwala okukhulu.



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



Teacher: _____
 Sign: _____
 Date: _____



Iyatjhelela, iyindulunga, yakhiwe ngobujamo obuthathu bamabumbeko angu-D

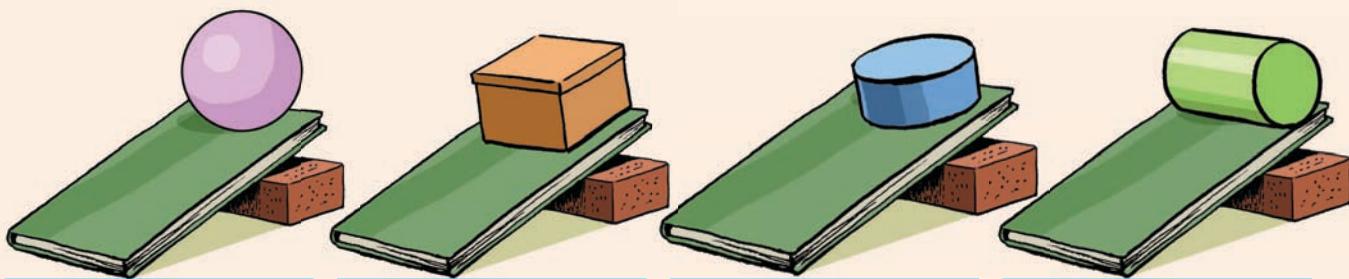


Utitjhore wakho uzokwenza umsebenzi lo nawe ukuze ubone kobana lokhu okulandelako kuyanzinza na:

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



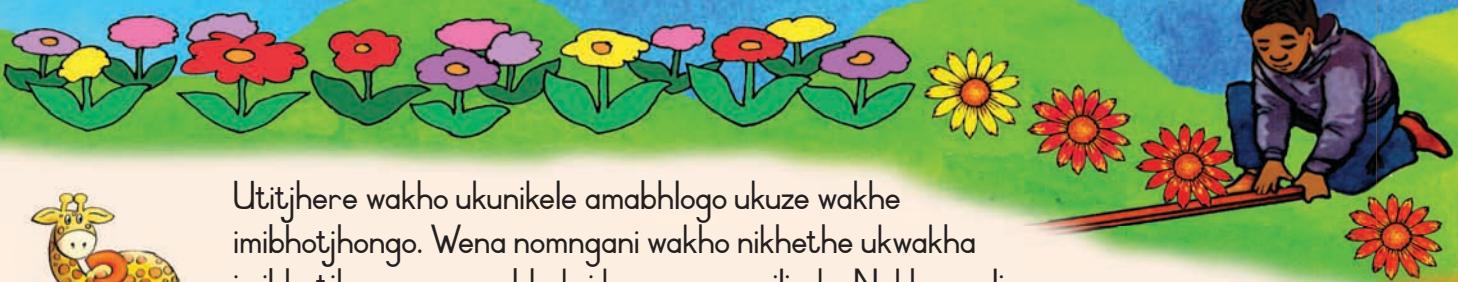
Amabhoksi, iimbholo nanyana amasilinda angagedeka nanyana angatjhelela. Utitjhore uzokunikela lokhu okulandelako ukuze kubonakale kobana kungagedeka nanyana kungatjhelela na. Ngemva kokwenza umsebenzi lowo, yitjho kobana into ngayinye izokutjhelela nanyana izokugedeka na.



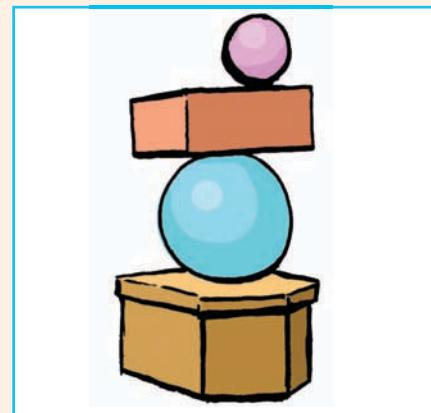
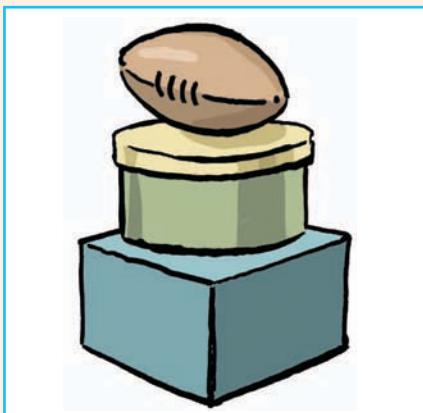
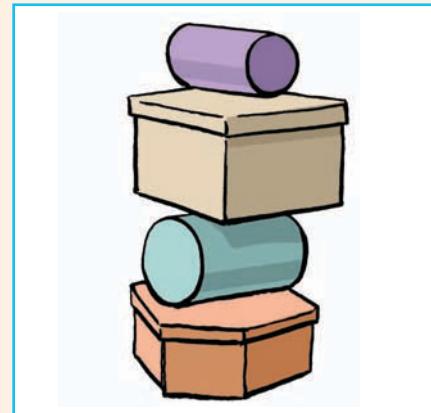
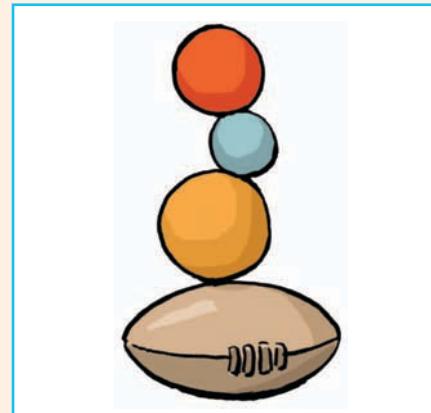
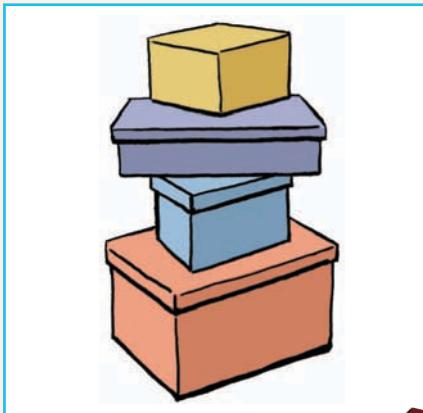
Thola iinthombe ngaphakathi kwemegazini zezinto ezingagedeka nanyana ezingatjhelela.

ezigedekako

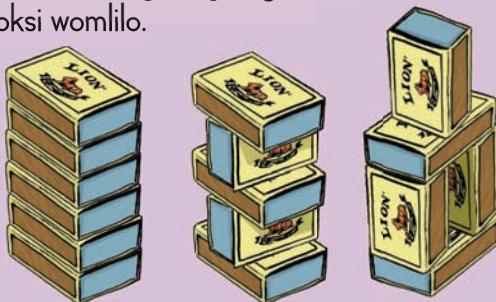
ezitjhelelako



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



Okulandelako mibhotjhongo eyakhiwe ngamabhoksi womlilo.



Utlhoga:
Amabhoksi womlilo.

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



Teacher:
Sign:
Date:



Ukuhlanganisa nokukhupha okungezelelweko 0 – 75

Ilanga:



Hlanganisa iinomboro ngebhlogweni ngalinye bese utlola ipendulo yakho.

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



Hlanganisa.

$41 + 10 = \boxed{}$

$44 + 10 = \boxed{}$

$71 + 10 = \boxed{}$



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



6

Khupha iinomboro ezingaphasi kezingaphezulu.

5 7 0

2 6 0

7 5 0

q 3 0

3 4 0

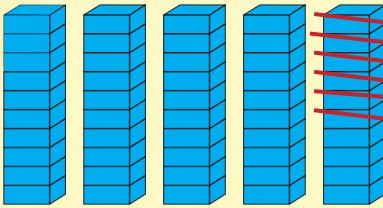
1 2 0

6 1 0

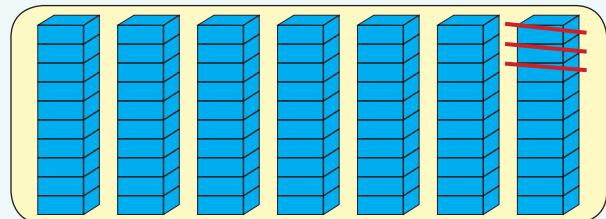
5 1 0



Tlola inani lokulandelako.



$$\boxed{} - \boxed{} = \boxed{}$$



$$\boxed{} - \boxed{} = \boxed{}$$



Khupha:

$$65 - 23$$

$$72 - 29$$



Khupha:

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

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

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



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



Kusele amamabula amangak? _____



Teacher: _____
Sign: _____
Date: _____



Imali

Kunani ngaphakathi kwebhanga lengulutjana?

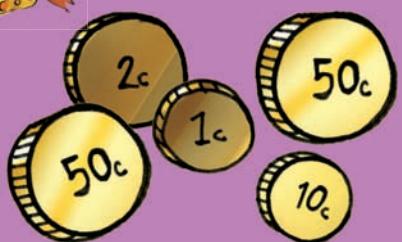


Sebenzisa imali emumuwa kibosika besi-3 bese unamathisela inani elinembako lemali lapha.

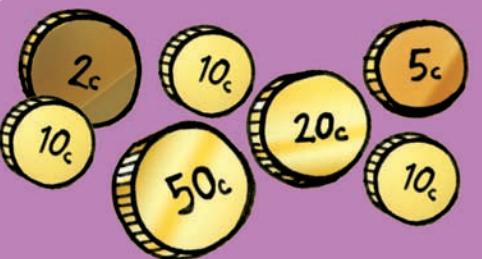




Zingaki iinsende?

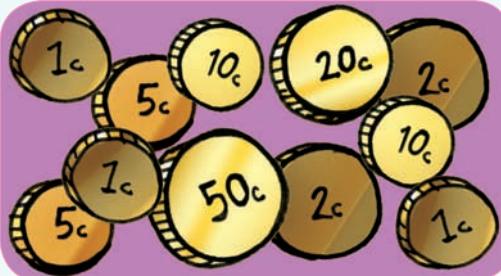














Imbalo zamagama:

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

Senginamalini?

Gwala isithombe ukuze utjengise ipendulo yakho.

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

Ngisele namalini?

Gwala isithombe ukuze utjengise ipendulo yakho.



Teacher:

Sign:

Date:

79



Imali emaphetha

Ilanga:

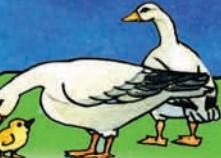
Ithemu 3

Yimalini engepheseneni yami?



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





Mangaki amaranda?

R100 R50

R100 R20
R20

R10 R10
R100 R10

R20 R10
R100

R20 R10
R100 R50

R100 R20
R20 R20 R10
R10 R50



Imbalo ngamagama:

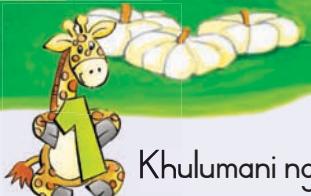
Umnakwethu une-R100. Mina nginama-R50. Udadwethu omncani unama-R20. Sisoke sinamalini?

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

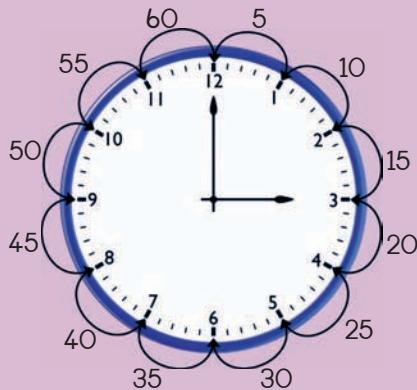


Teacher: _____
Sign: _____
Date: _____

Amaphetheni wesikhathi



Khulumani ngewatjhi.



Iwatjhi isitjengisa isikhathi.

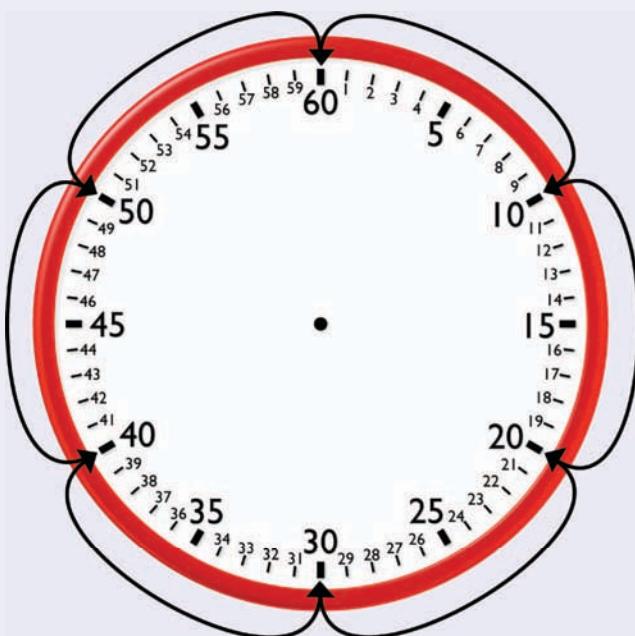
Umkhono omfitjhani usitjela ngama-iri.

Umkhono omude usitjela ngemizuzu.

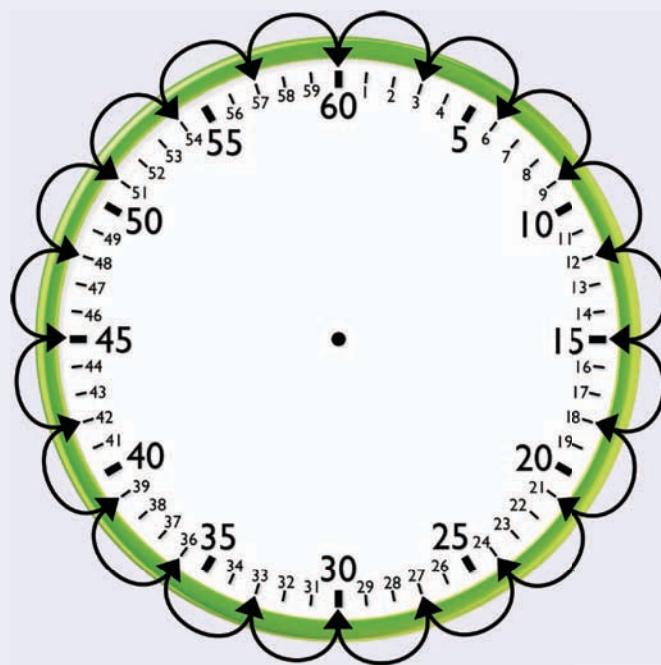
Lapha sibala imizuzu ngakuhlanu.



Yini iphetheni? Njalo qalisisa imikhonto bese utlola phasi iphetheni.



10, —, —, —, —, —,



3, —, —, —, —, —, —,

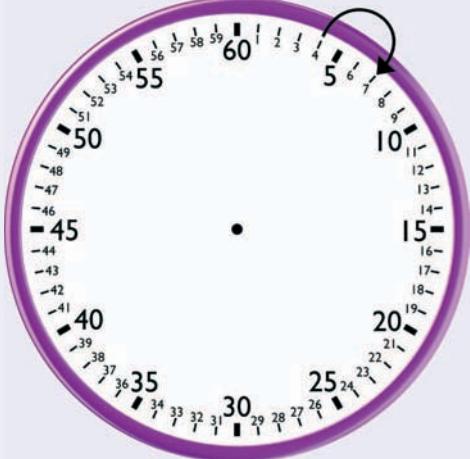
—, —, —, —, —, —, —,

—, —, —, —,

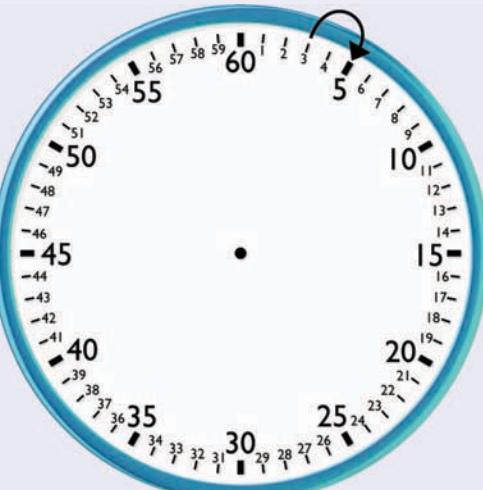


Tjengisa iphetheni ngokusebenzisa imikhonto.

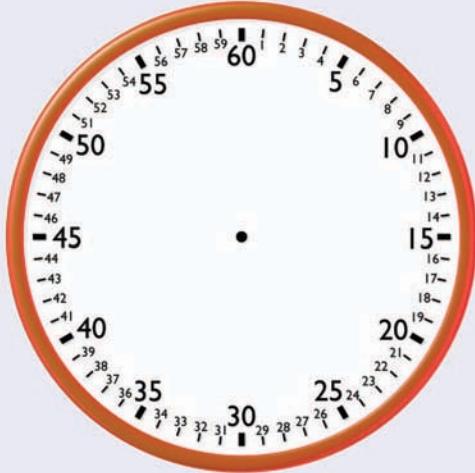
Bala ngakuthathu uthome ku-4.



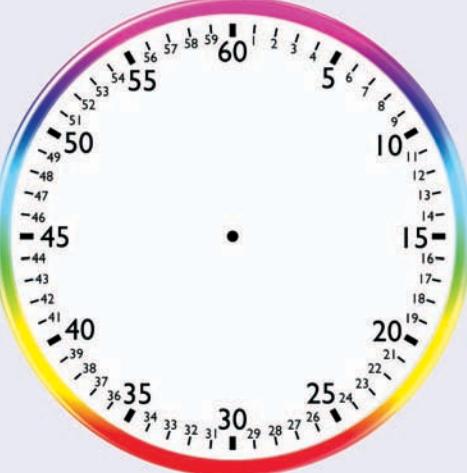
Bala ngaku-2 uthome ku-3.



Bala ngama-10 uthome ku-1.



Bala ngaku-5 uthome ku-2.



Ukhamba sikhathi bani
nawuya esikolweni?



Ubuyela sikhathi bani
ekhaya?



Isidlo santambama usidla
sikhathi bani?



Teacher:
Sign:
Date:

8la



Ama-iri nemizuzu

Khulumani ngewatjhi.



Umkhono omfitjhani udlule kancani e-irini lesi-3.

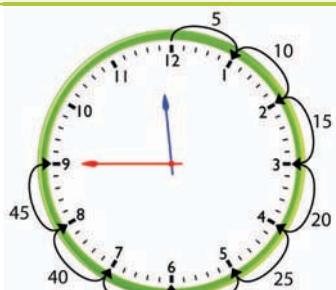
Umkhono omude uphezu kwemizuzu eli-15.

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

Sitjho bona mizuzu emihlanu ngemva kwe-iri lesithathu.



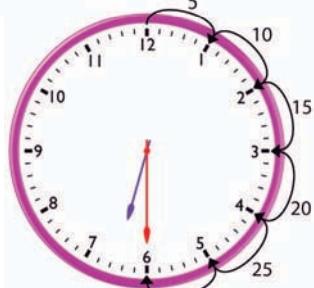
Sikhathi bani?



Umkhono omude usitjengisa _____.

Umkhono omfitjhani usitjengisa _____.

Sithi _____.



Umkhono omude usitjengisa _____.

Umkhono omfitjhani usitjengisa _____.

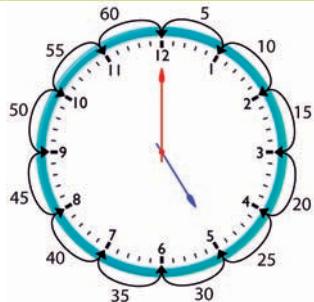
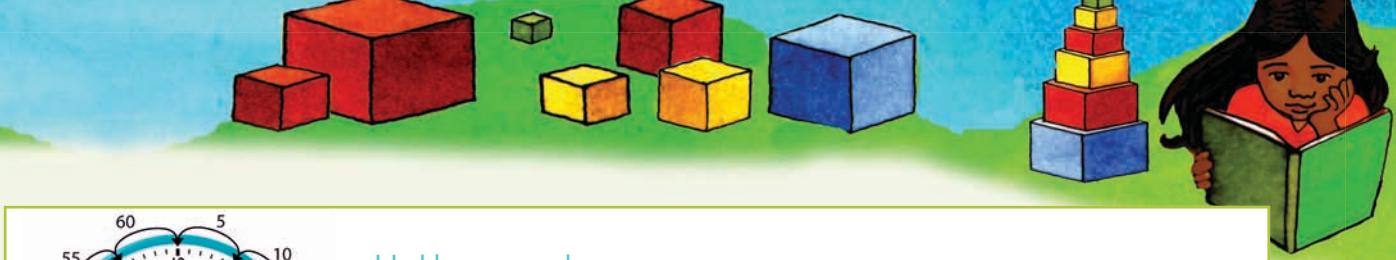
Sithi _____.



Umkhono omude usitjengisa _____.

Umkhono omfitjhani usitjengisa _____.

Sithi _____.



Umkhono omude usitjengisa _____.

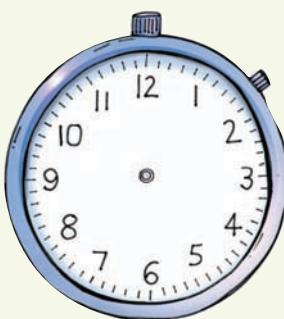
Umkhono omfitjhani usitjengisa _____.

Sithi _____.



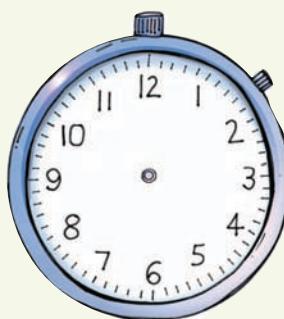
Gwala umkhono omude nomfitjhani wewatjhi.

Yikotara ngemva kwe-iri lesibili.

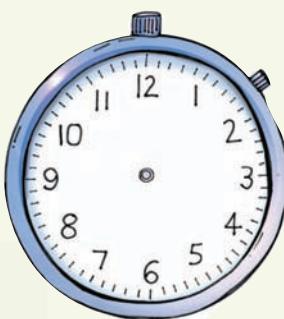


Li-iri letjhumi poro ehloko.

Mizuzu ematjhumi amathathu ngemva kwe-iri lethoba.

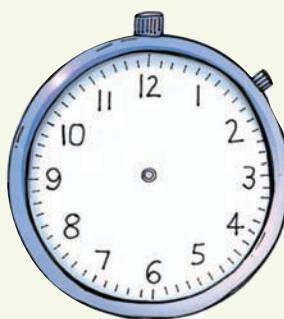


Yikotara ngaphambi kwe-iri lesithandathu.



Khuyini okwenzako ngesikhathi lesi evekeni? Gwala isithombe.

Yikotara ngemva kwe-iri lobunane ekuseni.



Yikotara ngemva kwe-iri lobunane entambama.



Teacher:
Sign:
Date:

8lb



Khulumani ngewatjhi.

Ithemu 3



Imizuzu nama-iri



Umkhono omfitjhani useduze ne-iri le-3.

Umkhono omude ujame phezulu emizuzwini ama-35.

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



Sikhathi bani?



Umkhono omfitjhani _____.

Umkhono omude ujame phezu _____.

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

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



Umkhono omfitjhani _____.

Umkhono omude ujame phezu _____.

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

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



Umkhono omfitjhani _____.

Umkhono omude ujame phezu _____.

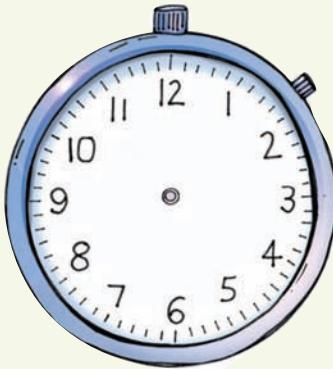
Mizuzu ema-_____ ngaphambili kokuthi umkhono omude ufile e-12.

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

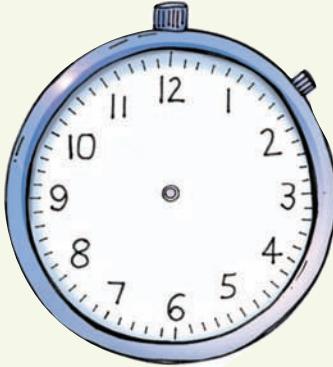


Gwala umkhono omude kanye nomkhono omfitjhani ukutjengisa:

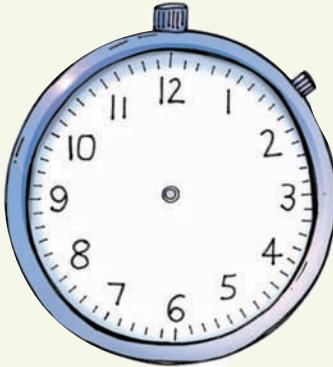
Mizuzu emihlanu ngaphimbili
kwe-iri le-8.



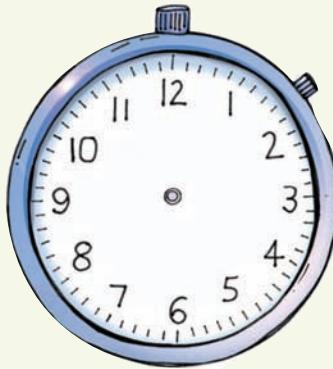
Mizuzu emihlanu ngaphambili
kwe-iri lokuthoma.



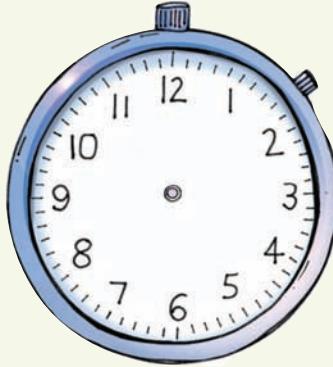
Imizuzu ilitjhumi namithathu ngaphambili
kwe-iri lekhomba.



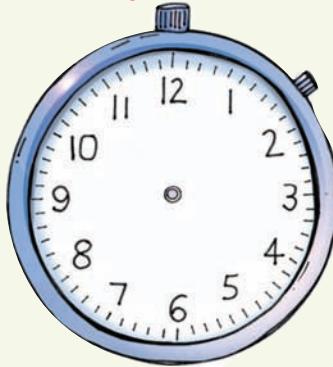
Mizuzu ematjhumi amabili ngaphambili
kwe-iri lesithathu.



Imizuzu elitjhumi
ngaphambili kwe-iri lesithandathu.



Imizuzu elitjhumi namibili ngaphambili
kwe-iri letjhumi nambili.



Teacher:
Sign:
Date:



Ukuhlanganisa okubuyeletweko

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

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

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

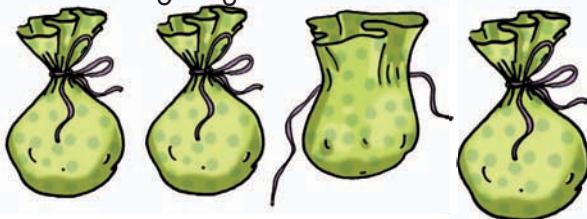
Ngingasitlola njengokuthi
 $5 + 5 + 5 = 15$
nanyana $3 \times 5 = 15$



Qala iinkhwama ezinamaswidi:

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

Isikhwama ngasinye sinamaswidi ama-2.

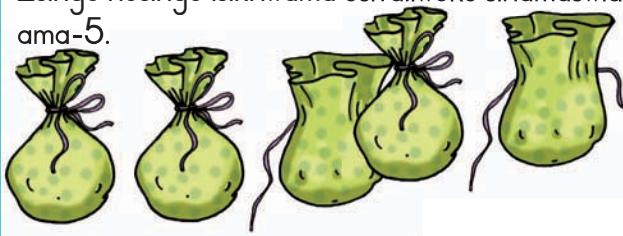


Umutjho: Amabuthelelo wanga-4 ama-2

Isibalo sokuhlanganisa: $2 + 2 + 2 + 2 =$ _____

Isibalo sokubuyabuyeleta: $4 \times 2 =$ _____

Esinye nesinye isikhwama esivalweko sinamaswidi ama-5.

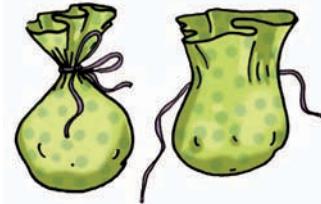


Umutjho: _____

Isibalo sokuhlanganisa: _____

Isibalo sokubuyabuyeleta: _____

Esinye nesinye isikhwama esivalweko sinamaswidi ama-2.



Umutjho: _____

Isibalo sokuhlanganisa: _____

Isibalo sokubuyabuyeleta: _____

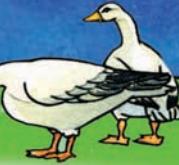
Esinye nesinye isikhwama esivalweko sinamaswidi ama-2.



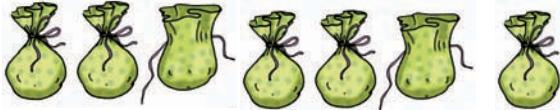
Umutjho: _____

Isibalo sokuhlanganisa: _____

Isibalo sokubuyabuyeleta: _____



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



Umutjho: Amabuthelelo ali-7 wangaku-4

Isibalo sokuhlanganisa:

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

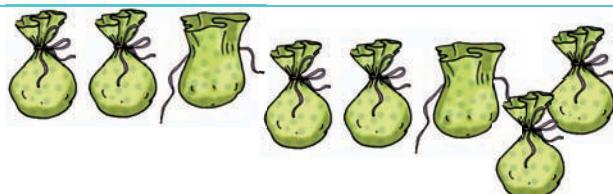
$$\text{Isibalo sokubuyabuyeleta: } 7 \times 4 = 28$$



Umutjho: _____

Isibalo sokuhlanganisa: _____

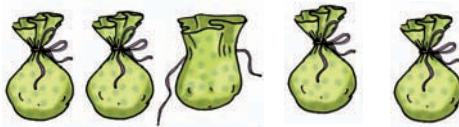
Isibalo sokubuyabuyeleta: _____



Umutjho: _____

Isibalo sokuhlanganisa: _____

Isibalo sokubuyabuyeleta: _____



Umutjho: _____

Isibalo sokuhlanganisa: _____

Isibalo sokubuyabuyeleta: _____

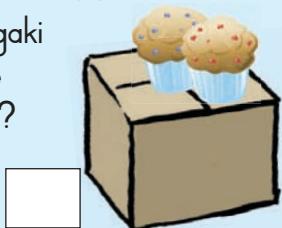


Qedeleta itheyibula yokubuyeleta.

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

Nginamabhoksi amahlanu,
ibhoksi ngalinye
linamamafini amabili.

Kunamamafini
amangaki
nasele
awoke?



Nginamabhoksi amane, ibhoksi
ngalinye linamakhekhan
angemakomitjini amahlanu.

Kunamakhekhan
angemakomitjini
amangaki
nasele
awoke?



Nginamabhoksi amathathu,
ibhoksi ngalinye linamagwinya
amané.

Kunamagwinya
amangaki
nasele
awoke?





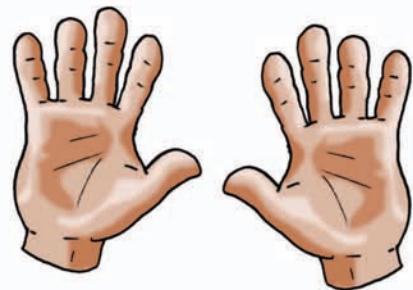
Buyabuyeleta ngaku-5

Inyawo elilodwa linamazwani ama-5.



Mangaki amazwani nasele awoke?

Isandla esisodwa sinemino emi-5.



Mingaki imino nasele iyoke?



Qedeleta okulandelako:



Amazwani
enyaweni
elilodwa

× = Inyawo



Imino
esandleni
esisodwa

× = Isandla



Amazwani
enyaweni
elilodwa

× = Inyawo



Imino
esandleni
esisodwa

× = Isandla



Amazwani
enyaweni
elilodwa

× = Inyawo



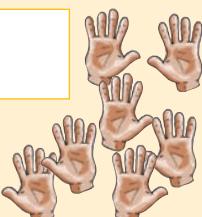
Imino
esandleni
esisodwa

× = Isandla



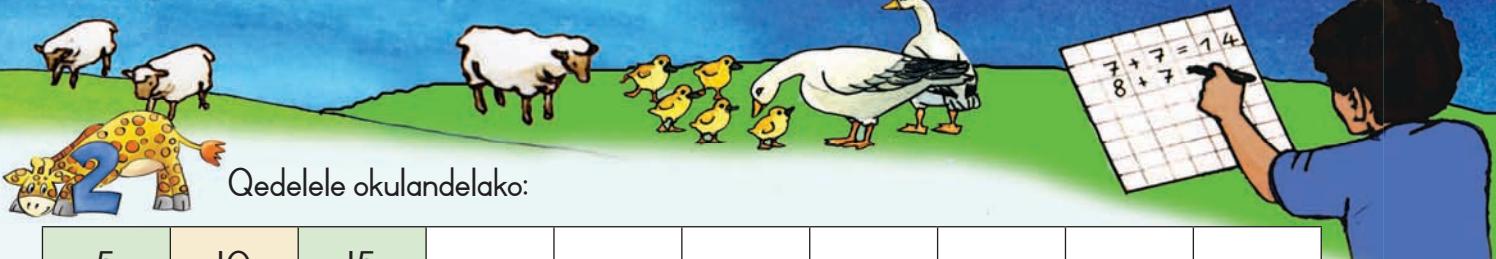
Amazwani
enyaweni
elilodwa

× = Inyawo



Imino
esandleni
esisodwa

× = Isandla



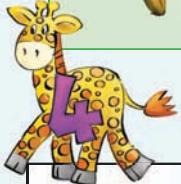
Qedelele okulandelako:

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



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

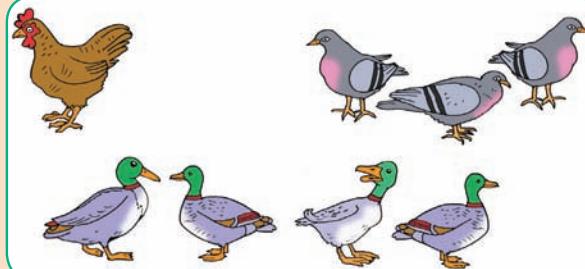


Teacher:
Sign:
Date:



Buyabuyeleta ngaku-2

Zoke iinyoni
zineenyawo
ezimbili.



Zoke iinyoni
zineempiko ezimbili.

Esithombeni lesi iinyoni zoke
zineenyawo ezingaki?

Sezizoke, zingaki iimpiko
esithombeni lesi?



Qala isithombe bese uqedeleta okulandelako.

amazuba



$$\boxed{} \times \boxed{} = \boxed{}$$

Inani lamazuba Inani leenyawo inyoni ngayinye

$$\boxed{} \times \boxed{} = \boxed{}$$

Inani lamazuba Iimpiko inyoni ngayinye

amadada



$$\boxed{} \times \boxed{} = \boxed{}$$

Inani lamadada Inani leenyawo inyoni ngayinye

$$\boxed{} \times \boxed{} = \boxed{}$$

Inani lamadada Iimpiko inyoni ngayinye



Qedeleta lokhu:

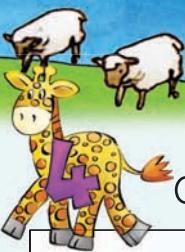
2	4	6							
---	---	---	--	--	--	--	--	--	--

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



Qedeleta lokhu:

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



Qedelela okulandelako:

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

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

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

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

$$= 20 + 4$$

$$= 24$$



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

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

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

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

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

$$= \boxed{\quad}$$



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

nanyana

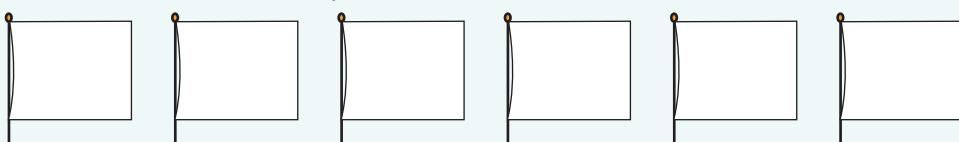
$$4 \times 2 = 8$$

nanyana

$$8 \div 2 = 4$$

Leli litshwayo
lokuhlukanisa.

Gwala iinkwekwezi ezi-2 phezu kweflarha.



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

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



Kunamabhlogo amangaki wetjhokoledi
phezu kwesitina lesi setjhokoleydi?

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

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



85a

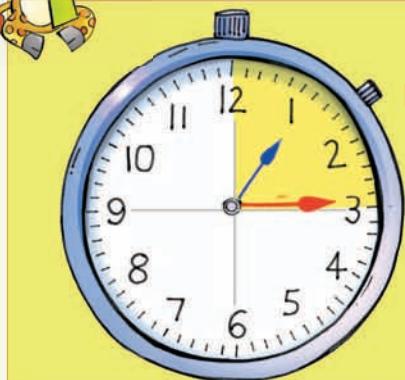
Ithemu 3



Ikotara ngemva



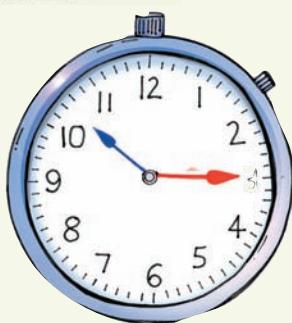
Khulumani ngewatjhi.



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



Sikhathi bani?

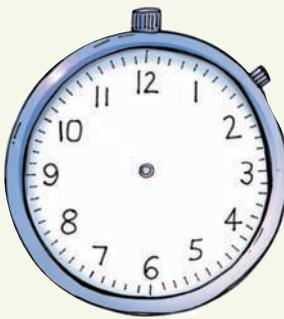


Umkhono omfitjhani udlule _____.
Umkhono omude ujame phezu _____ kwemizuzu.
Sithi _____ ngemva _____.

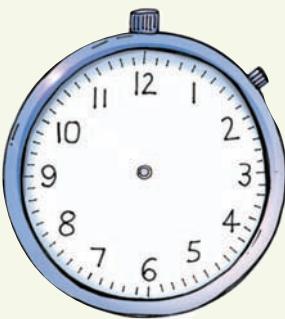


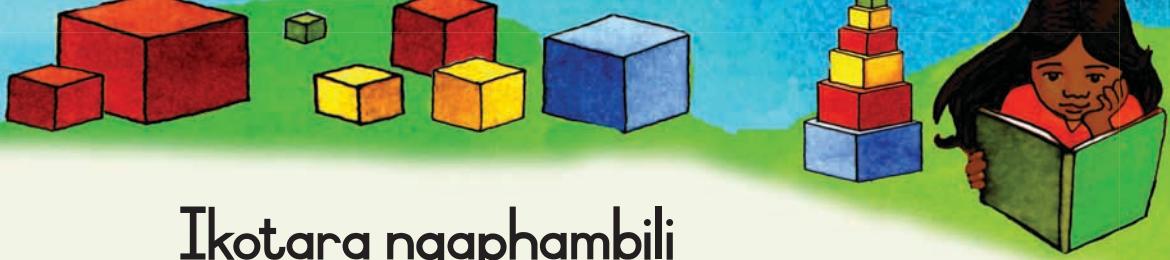
Gwala umkhono omude kanye nomkhono omfitjhani.

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 _____.

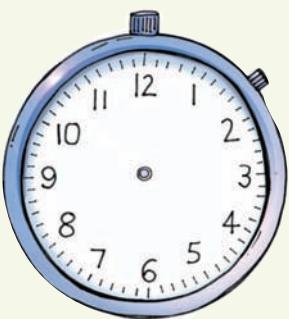
Umkhono omude ujame emizuzwini _____.

Sithi _____ ngaphambili kwe-iri.

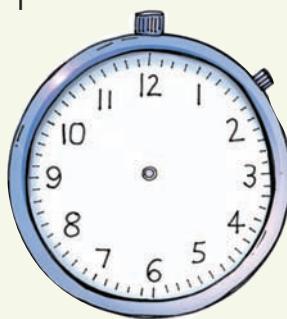


Gwala umkhono omude kanye nomkhono omfitjhani.

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



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



Teacher:
Sign:
Date:

85b



Ithemu 3

Isikhathi siyakhamba

Ilanga:

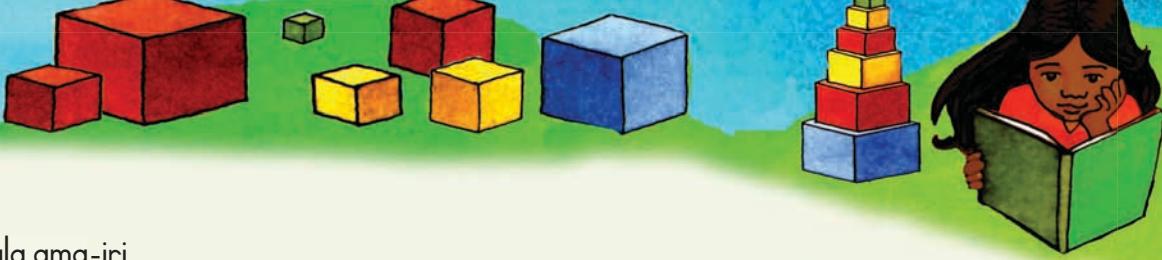
ama-iri ama-2	ama-iri ama-2	i-iri eli-1



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?



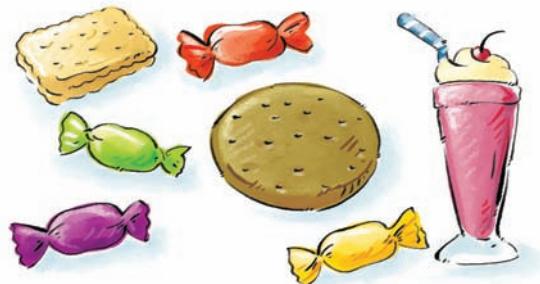
Teacher:
Sign:
Date:



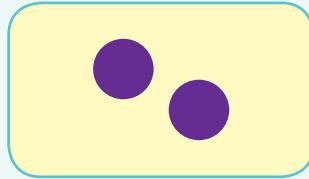
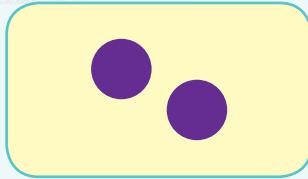
Buyelela kibili



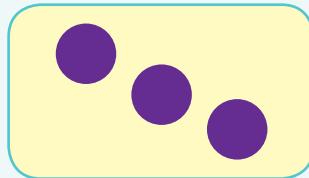
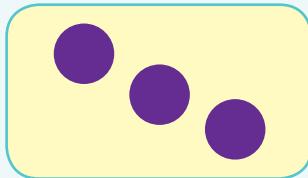
Qalisisa isithombe sokuthoma nesesibili. Kwenzeka ini?



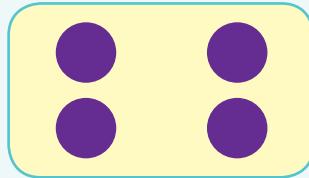
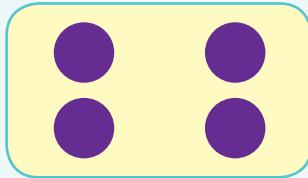
Hlanganisa amacaphazi begodu tlola isibalo sawo.



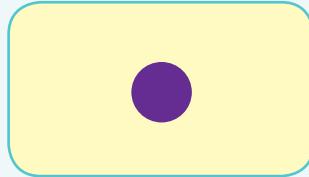
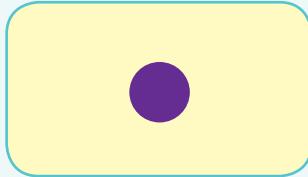
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



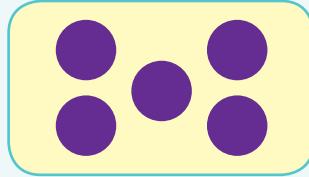
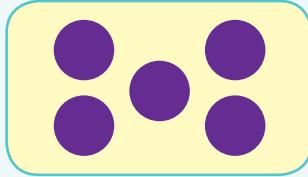
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



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



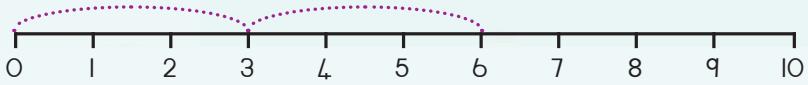
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



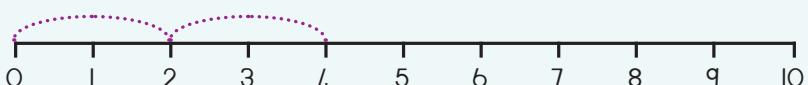
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



Sebenzisa inambalayini ukutlola isibalo.



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



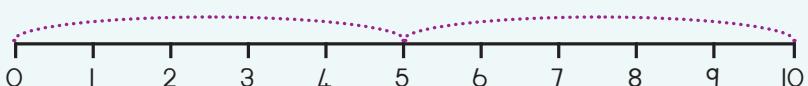
$$\boxed{} + \boxed{} = \boxed{}$$



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



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



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



Buyelela kibili okulandelako.

Buyelela kibili ngabo-1

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

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

Buyelela kibili ngabo-2

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

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

Buyelela kibili ngabo-3

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

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

Buyelela kibili ngabo-4

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

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

Buyelela kibili ngabo-5

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

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



2 4 6 8 10 12 14

Teacher: _____
Sign: _____
Date: _____

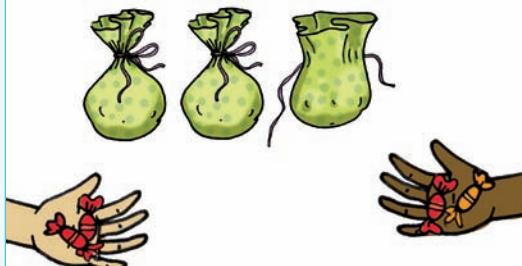


Ukubuyeleta kibili nokuhafula

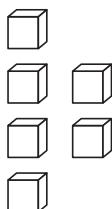
Ithemu 3



Qala iinthombe ezimbili. Yakha yakho indatjana.



Bala izinto bese ukhalara ihafu yazo.

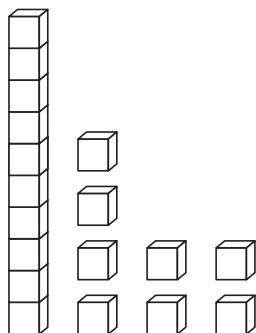


Bala

Ihafu yi-

Bala

Ihafu yi-



Qedeleta okulandelako bese uyagwala:

U-12 nakabuyelwelwe
kibili ipendulo ngu-

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



Qedeleta:

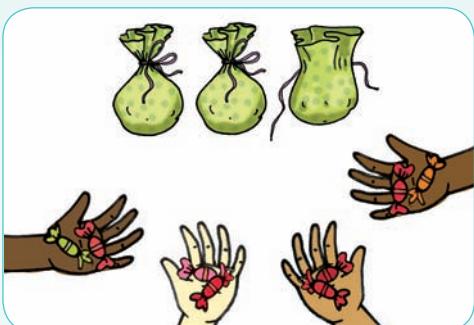
14	
<input type="text"/>	<input type="text"/>

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

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

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

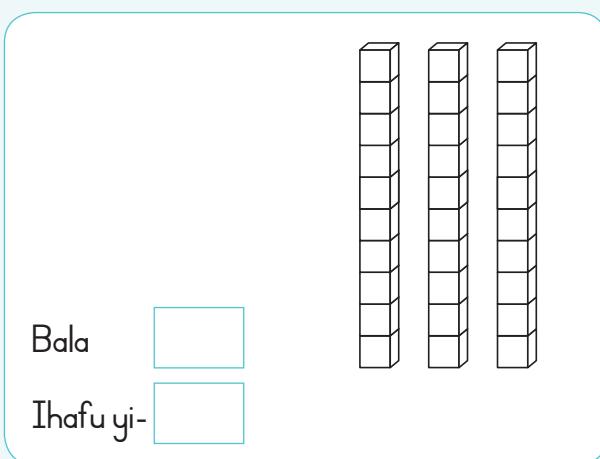
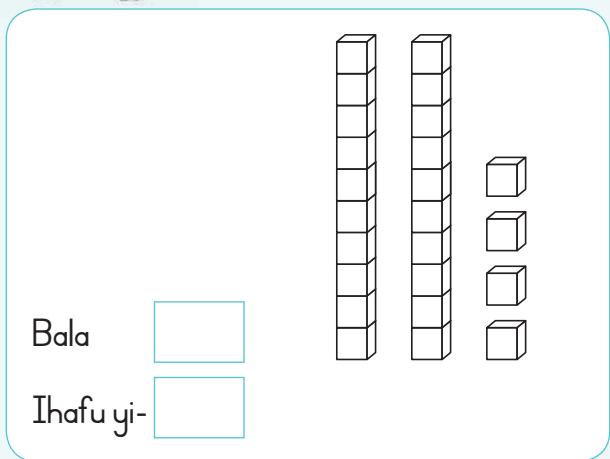
	q
<input type="text"/>	<input type="text"/>



Kunamaswidi ali-10
ngesikhwanyaneni.



Bala izinto bese ukhalara ihafu yazo.



Qedelela okulandelako bese uyagwala:

U-16 nakabuyeelwe
kabili ipendulo ngu-

+



Qedelela:



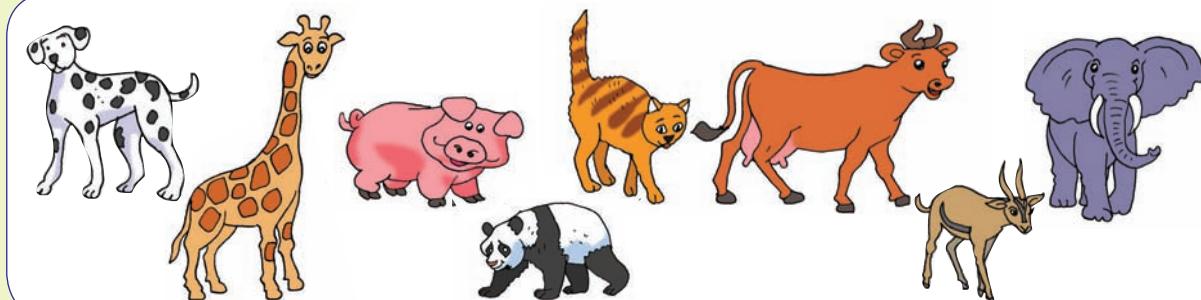
Teacher:
Sign:
Date:



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

$$\boxed{} \times \boxed{} = \boxed{}$$

Inani leeninja Iinyawo isilwana ngasinye

$$\boxed{} \times \boxed{} = \boxed{}$$

Inani leeninja Amehlo isilwana ngasinye

Iinyamazana
zemmangweni

$$\boxed{} \times \boxed{} = \boxed{}$$

Inani leenlwana Iinyawo zesilwana ngasinye

$$\boxed{} \times \boxed{} = \boxed{}$$

Inani leenlwana Lindlebe isilwana ngasinye



Qedelela okulandelako:

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

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



Qedelela okulandelako:

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

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

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

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



Qedeleta okulandelako:

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

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

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

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

$$= 40 + 16$$



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

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

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

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

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



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



Qedeleta lokhu okulandelako.

Yabela abentwana aba-2 amamabula ali-19 ngokulingana.

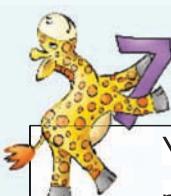
Yabela abentwana aba-2 ngokulingana amapensela ama-22.

Omunye nomunye ufunyana

Okuseleko

Omunye nomunye ufunyana

Okuseleko



Gwala iinthombe ukuze utjengise iimpendulo yakho.

Yabela abentwana aba-4 ngokulingana iincwadi ezi-23.

Yabela abentwana aba-4 ngokulingana iincwadi ezi-15.

Omunye nomunye ufunyana

Okuseleko

Omunye nomunye ufunyana

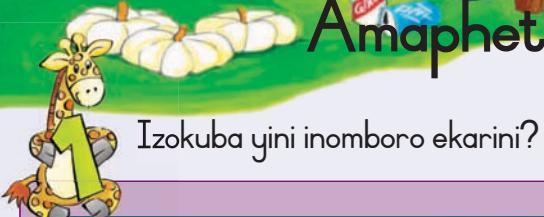
Okuseleko



Amaphetheni neenomboro

Ilanga:

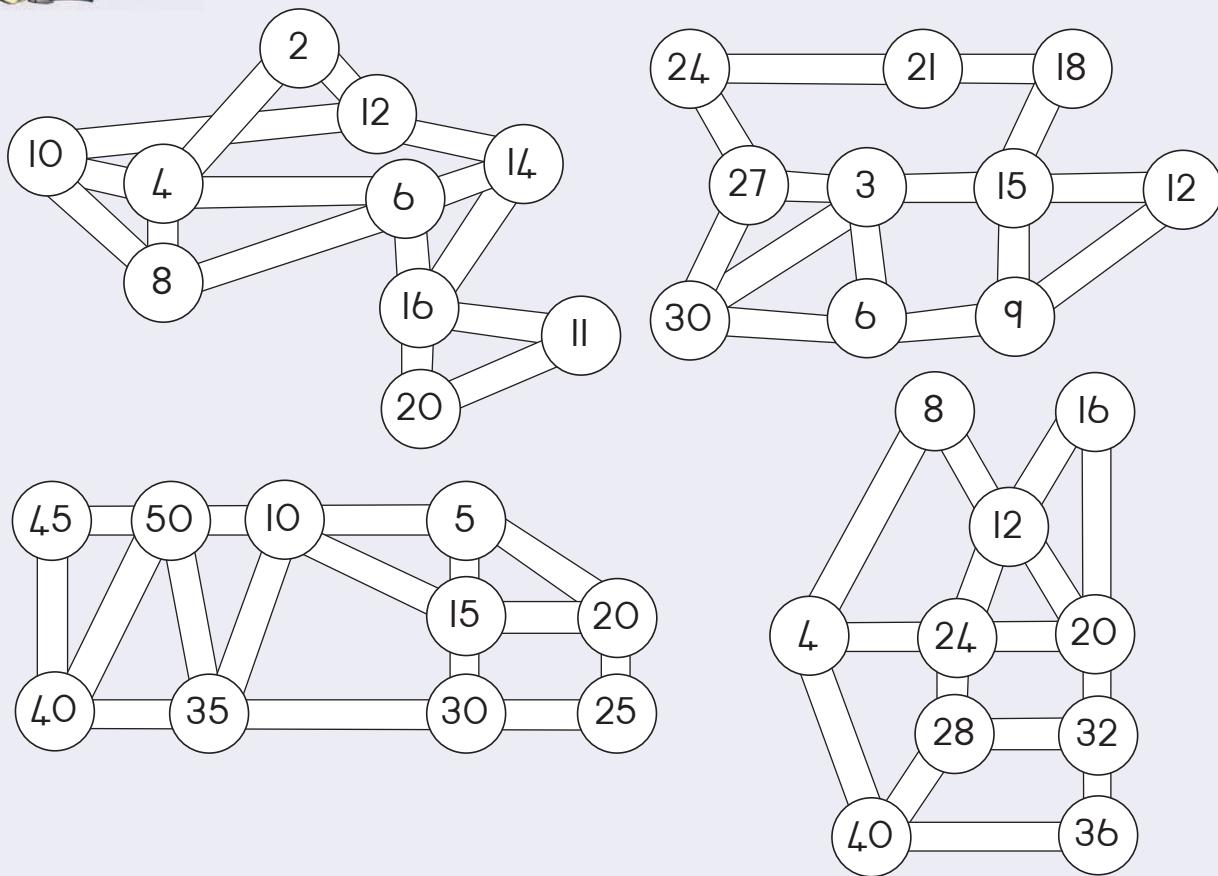
Ithemu 3



Izokuba yini inomboro ekarini?

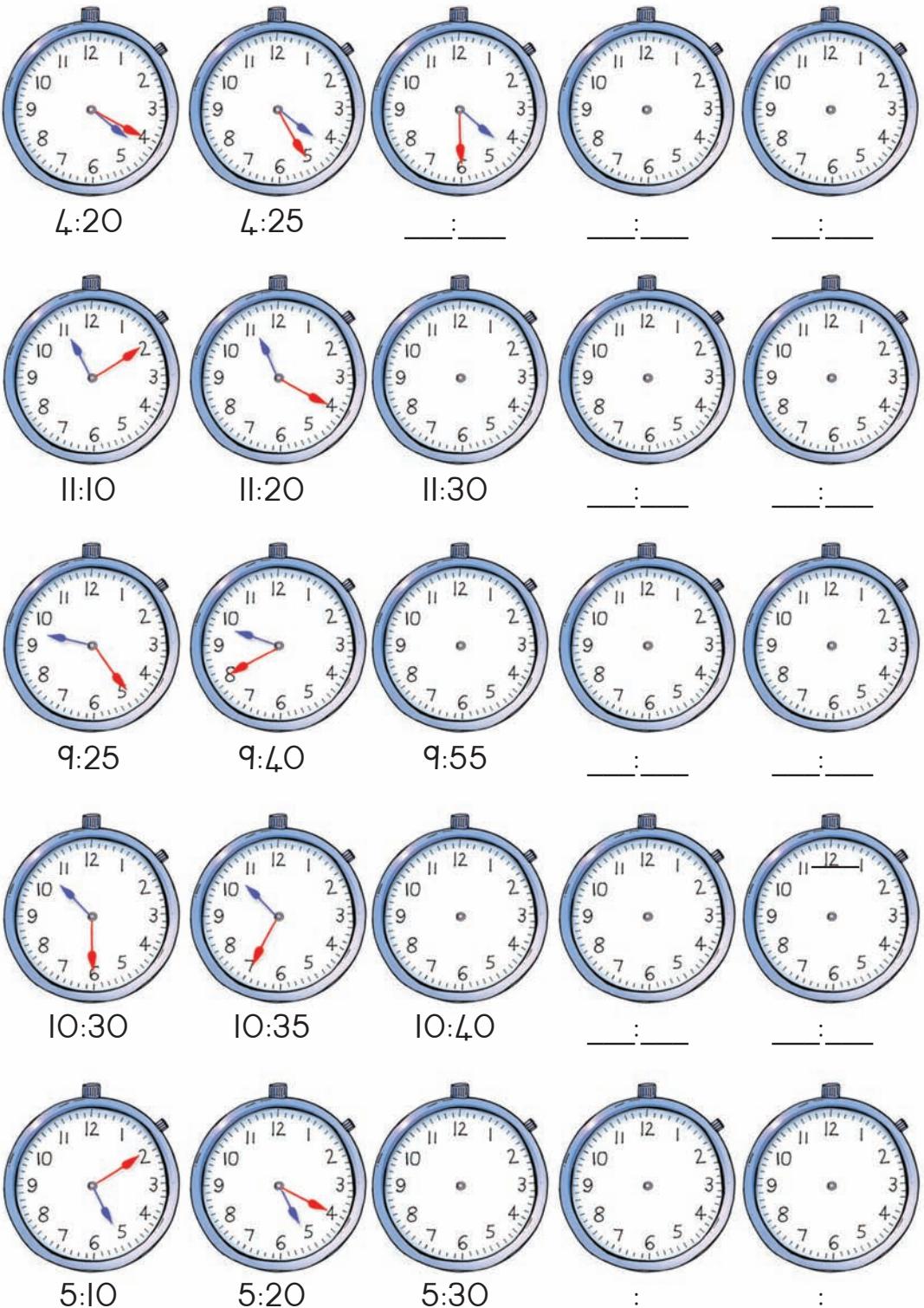


Tjengisa iphetheni, gwala indlela yakho, uthome ngenomboro encani khulu.





Gwala imikhono uujinamathisele ewatjhini bese uqedelela
amaphetheni wesikhathi.



90

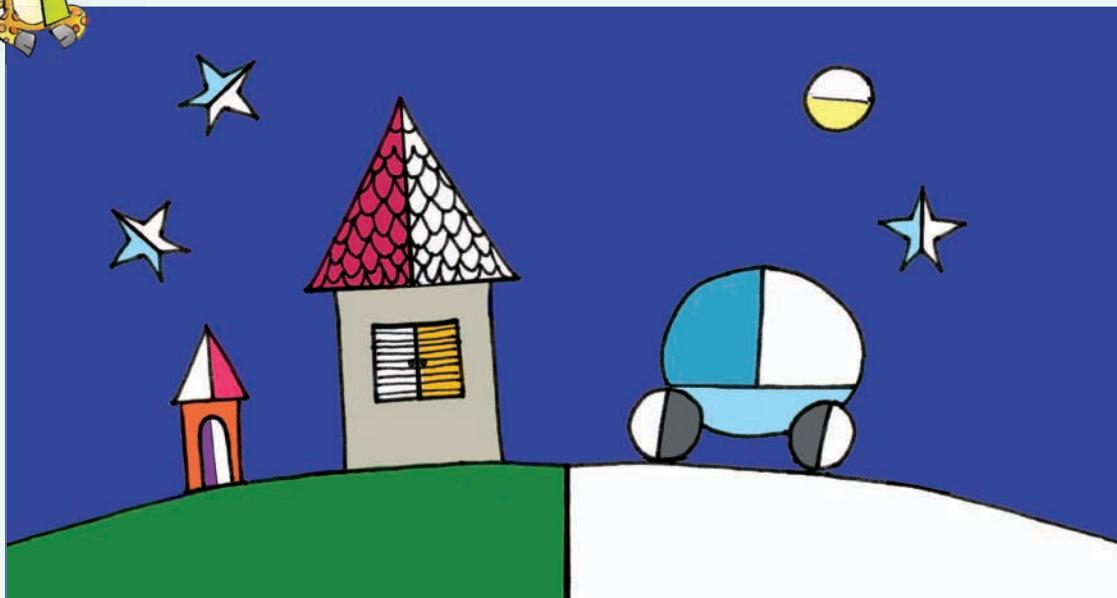


Amacezu – abohafu

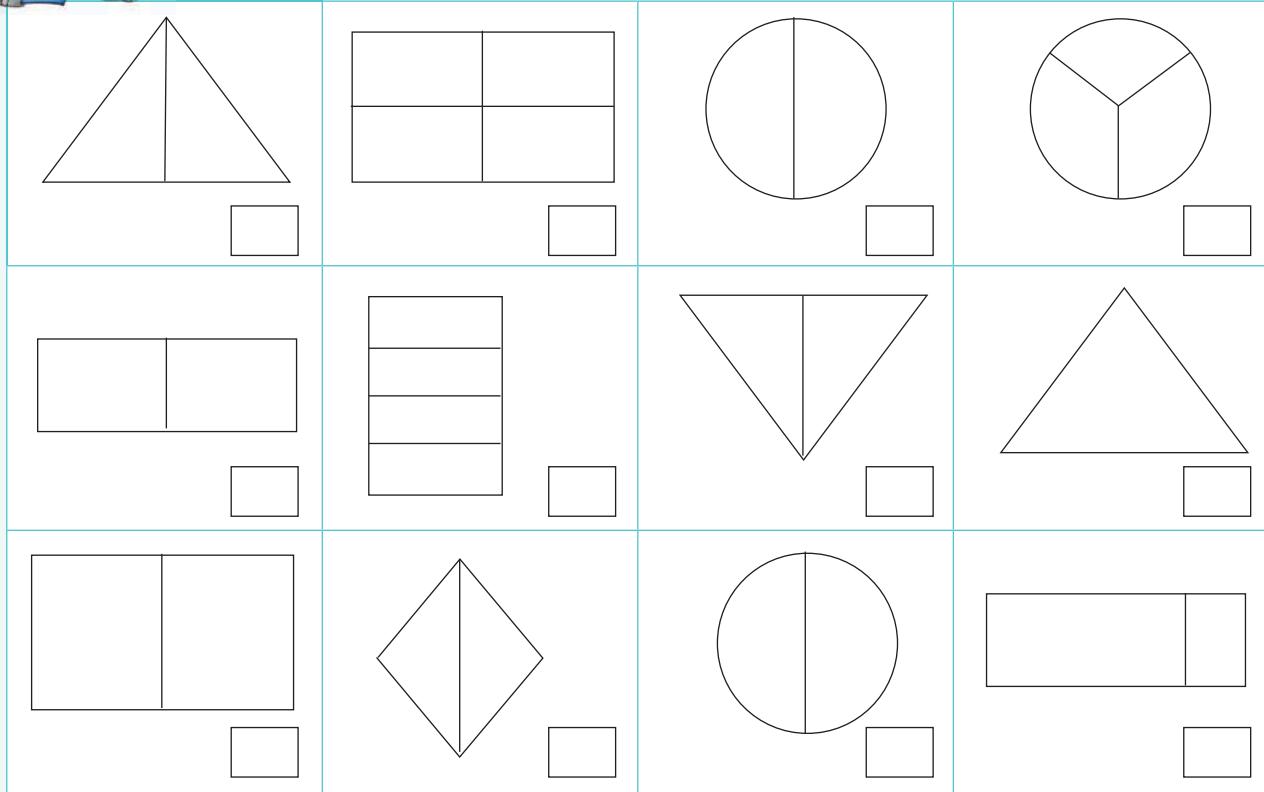
Ithemu 3



Qala isithombe. Khalara enye ihafu ngombala ofanako.

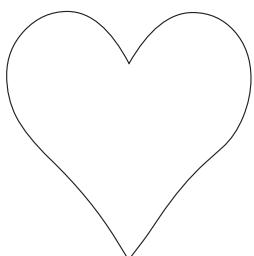
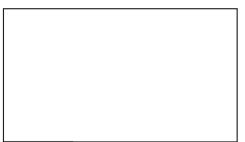
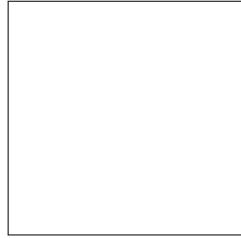
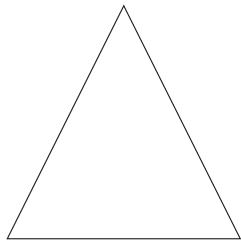
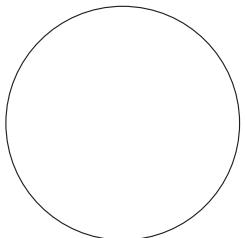


Qala iinthombe. Thika amajamo atjengisa abohafu. Khalara ihafu enye nenyе yejamo eyahlukaniswe ngabohafu.

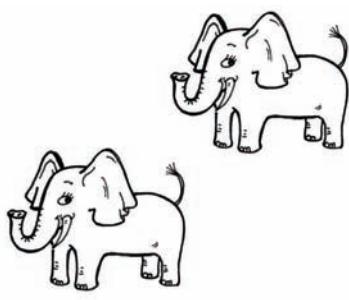
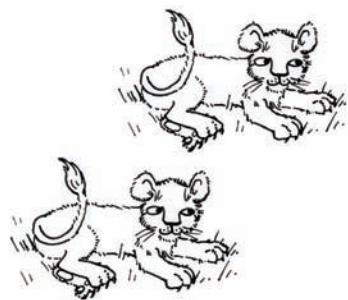
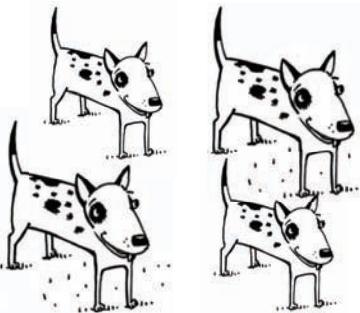
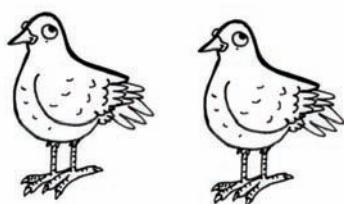
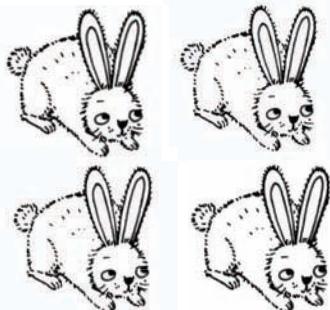
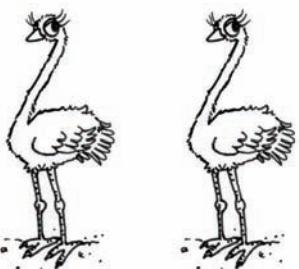




Khalara ihafu enye nenyenye yejamo.



Khalara ihafu yeenlwana ngebbhlogweni ngalinye.



ihafu ihafu ihafu



Teacher:

Sign:

Date:

q



Ilanga:

Amacezu – amanye amahafu



Qala isithombe. Ihafu yinye itjho ukuthini?

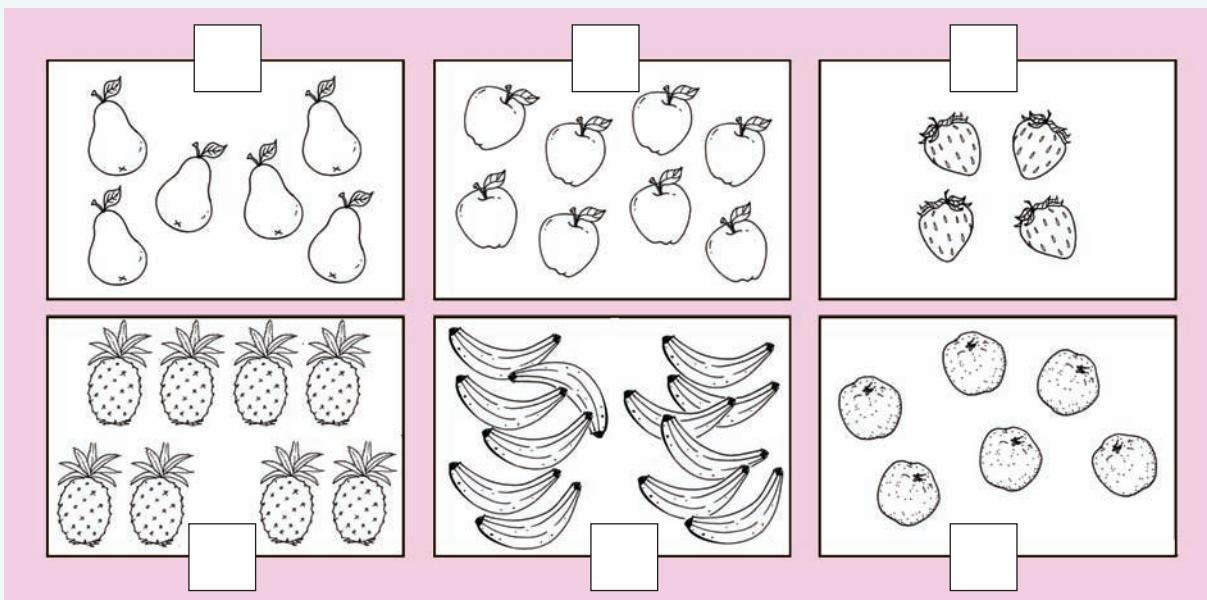
Ithemu 3

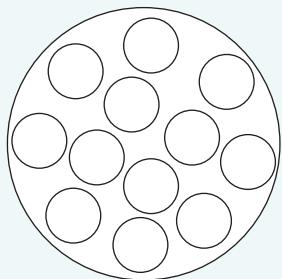
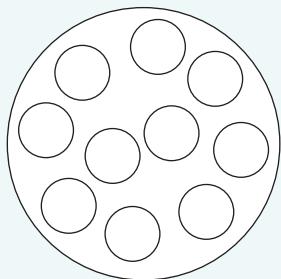
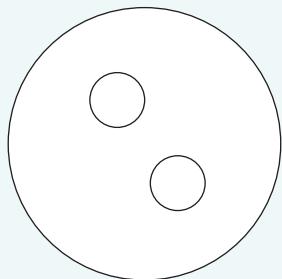
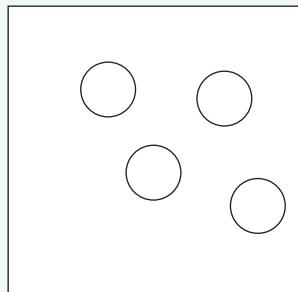
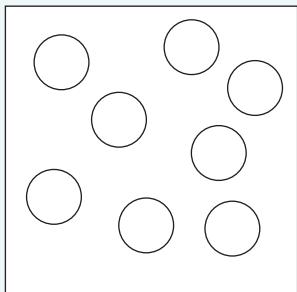
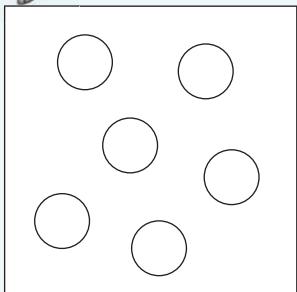
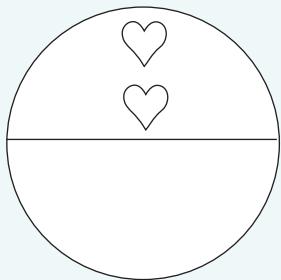
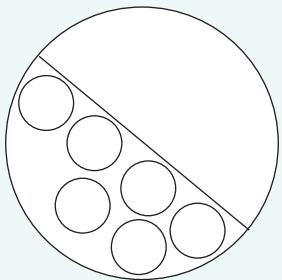
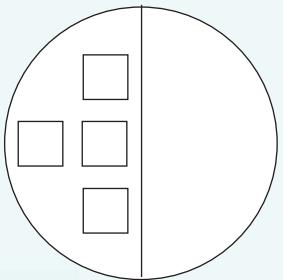
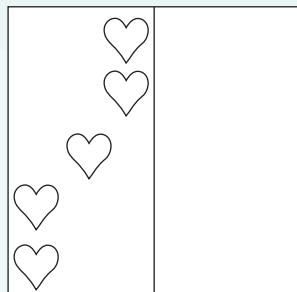
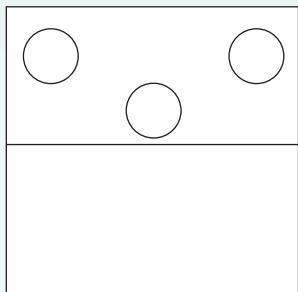
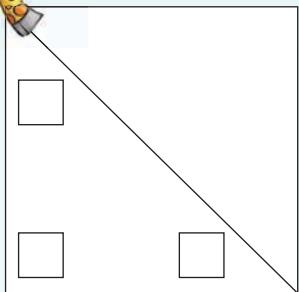


Ihafu eyodwa yomuthi wama-apula



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





ihafu ihafu ihafu



Teacher: _____
Sign: _____
Date: _____



Iindawo nokubonakala

Inyoni ijame kuphi? Amagama azokusiza.



Ukubonakala kwendlu
ngaphambili.



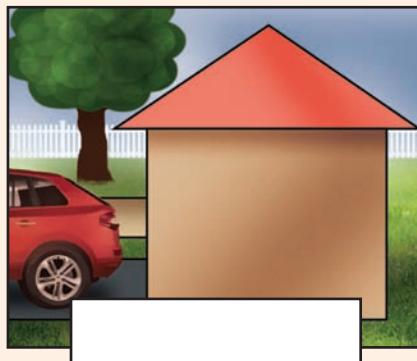
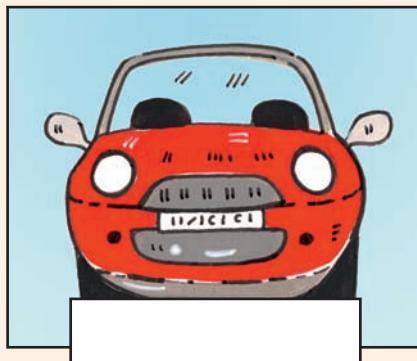
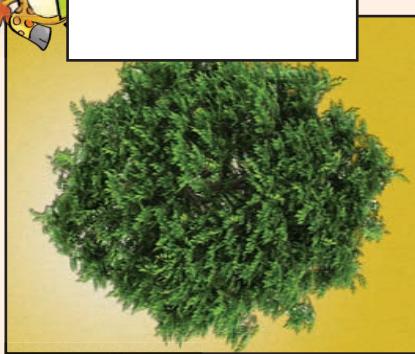
Ukubonakala kwendlu
ngemahlangothini.



Ukubonakala komakhiwo
ngaphezulu.

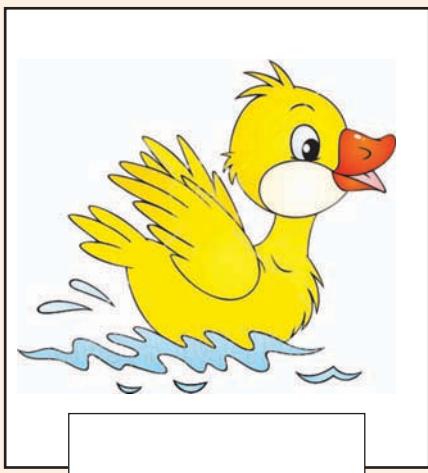


Umuntu lo bekajame kuphi nakabona lokhu?

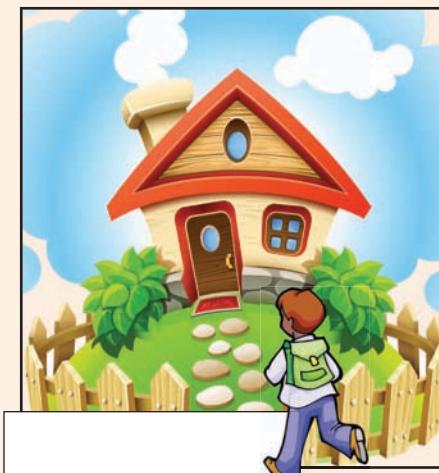


Tlola amagama la esithombeni. Ubuna ini umuntu lo?

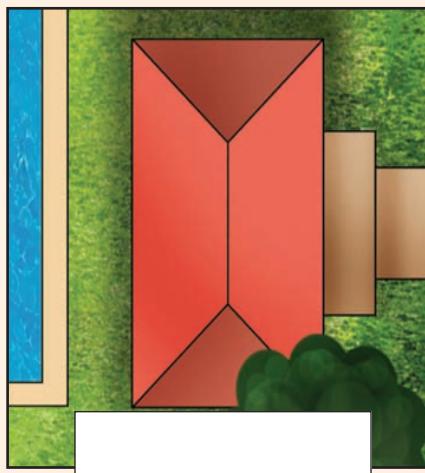
ukubona into ngaphambili



ukubona into ngaphezulu

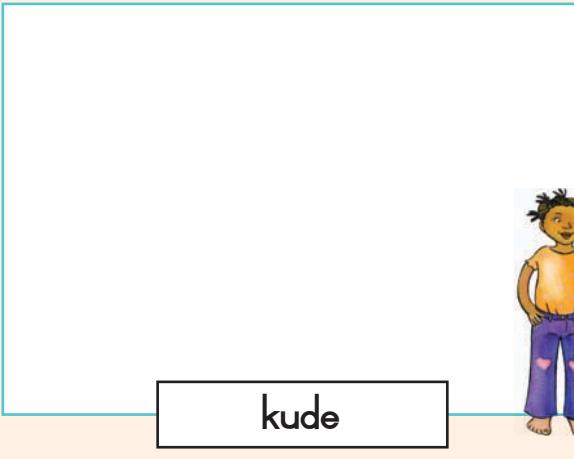
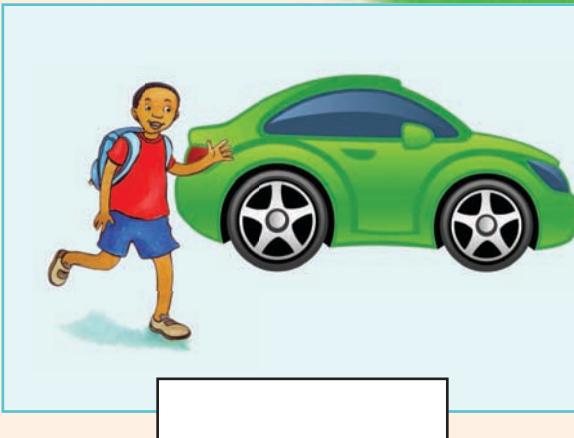
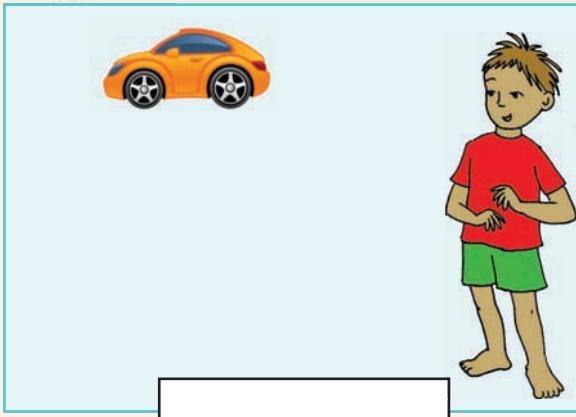


**ukubona into
ngemahlangothini**





Yitjho kobana ikoloyi ikuphi nomsana. Iseduze nanyana ikude?



Gwala umuthi eduze nakude nomntazana.



eduze



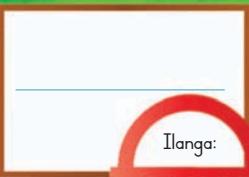
Yenza umsebenzi lo:

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



Teacher:
Sign:
Date:

93

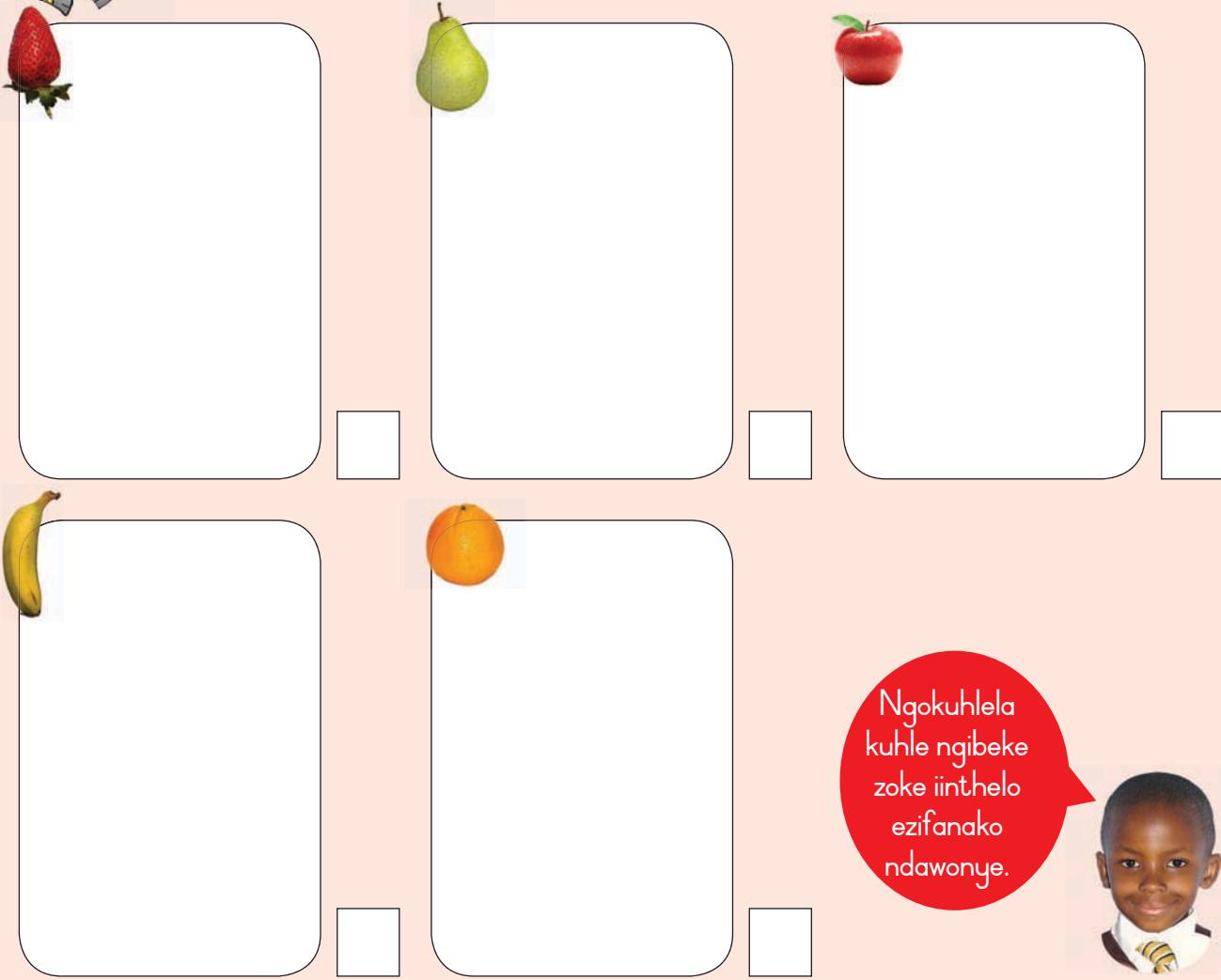


Ithemu 3

Eminye godu imininingwana



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



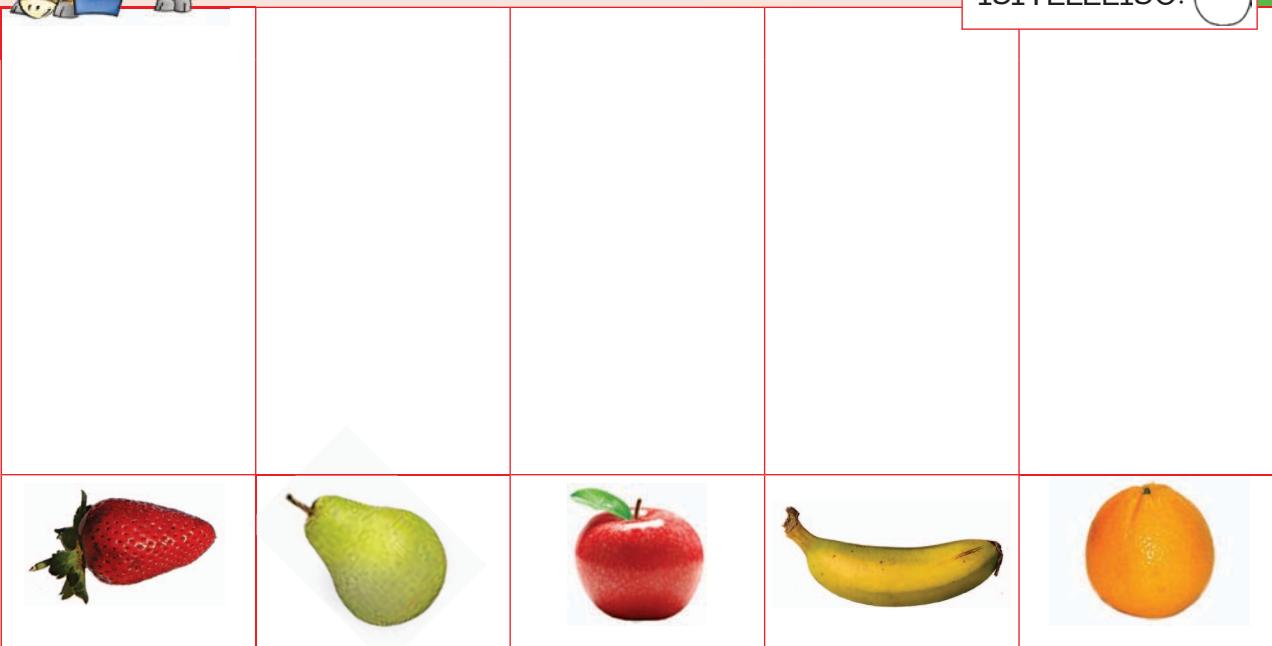
Ngokuhlela
kuhle ngibekе
zoke iinthelo
ezifanako
ndawonye.



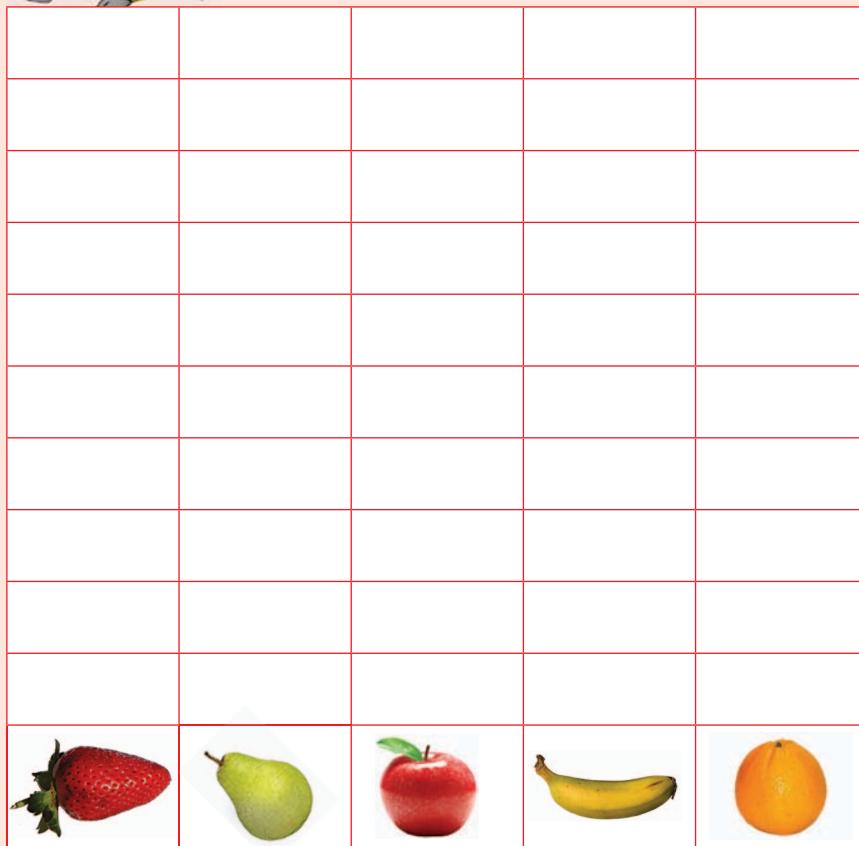


Gwala iphikthografu eneenthele ezihlelekileko.

ISIYELELISO:



Qala umncamo bese uphendula imibuzo.



Phendula umbuzo:

Ngisiphi isithelo esinaso
ngobunengi?

Ngisiphi isithelo esinaso kancani?

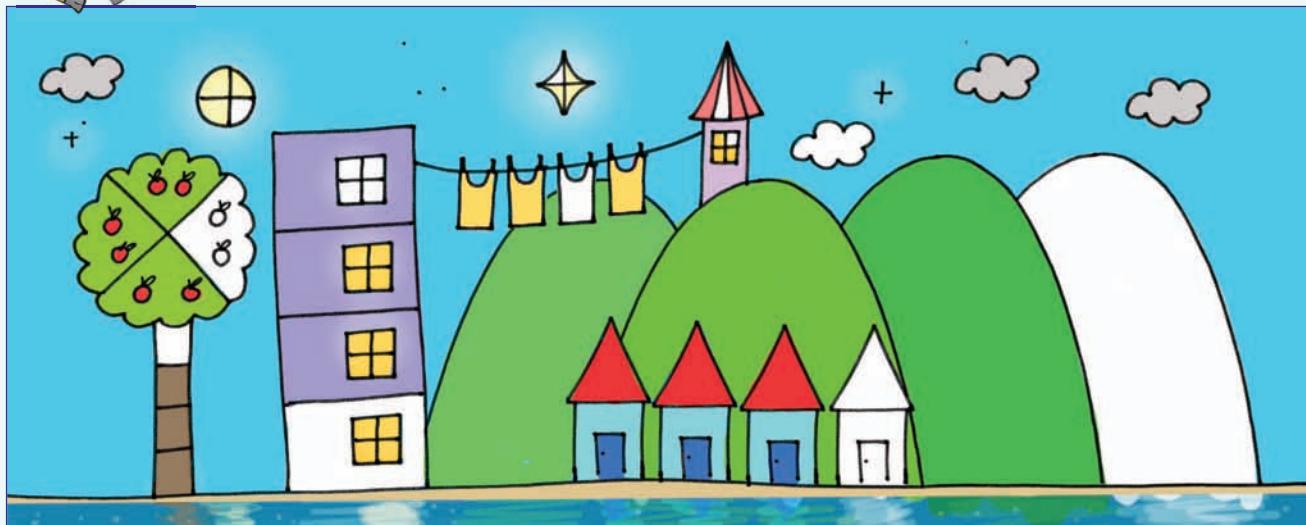


q4a



Amacezu – amakota

Khalara ikota yokugcina ngombala ofanako.

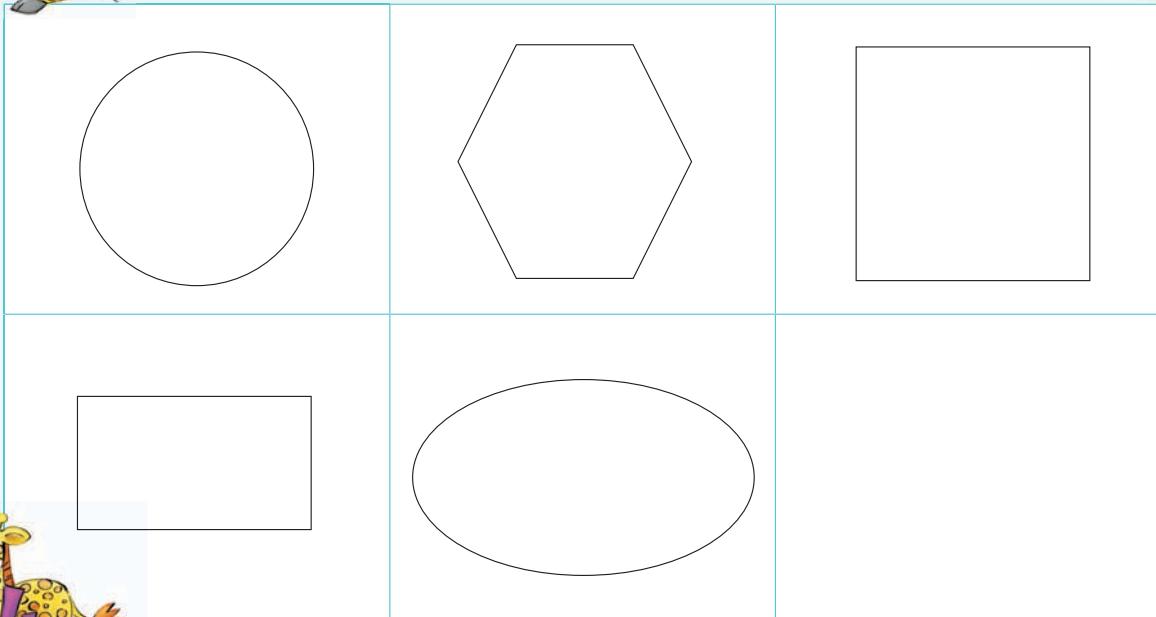


Thika amajamo atjengisa amakota.

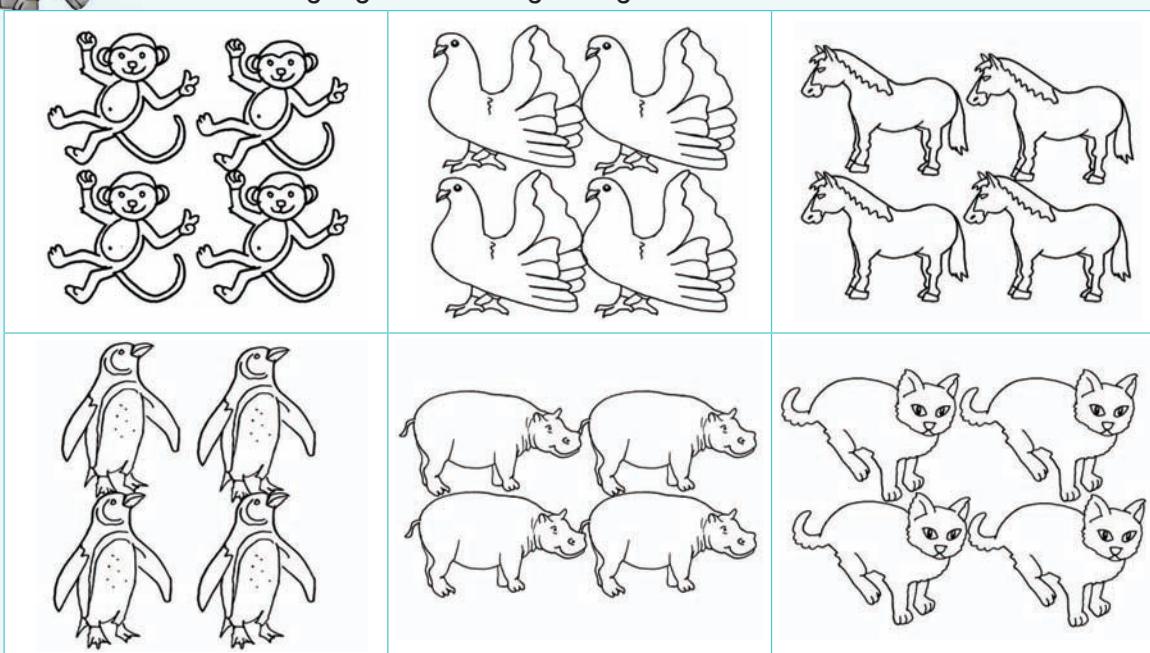
Khalara enye nenyé ikota yejamo eyahlukaniswe ngamakota.



Khalara ikotara yinye ebumbekweni leli.



Khalara ikota yenyamazana enye nenyе.



ikota ikota ikota

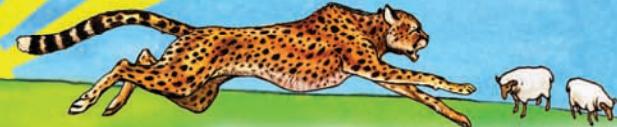
Teacher:

Sign:

Date:



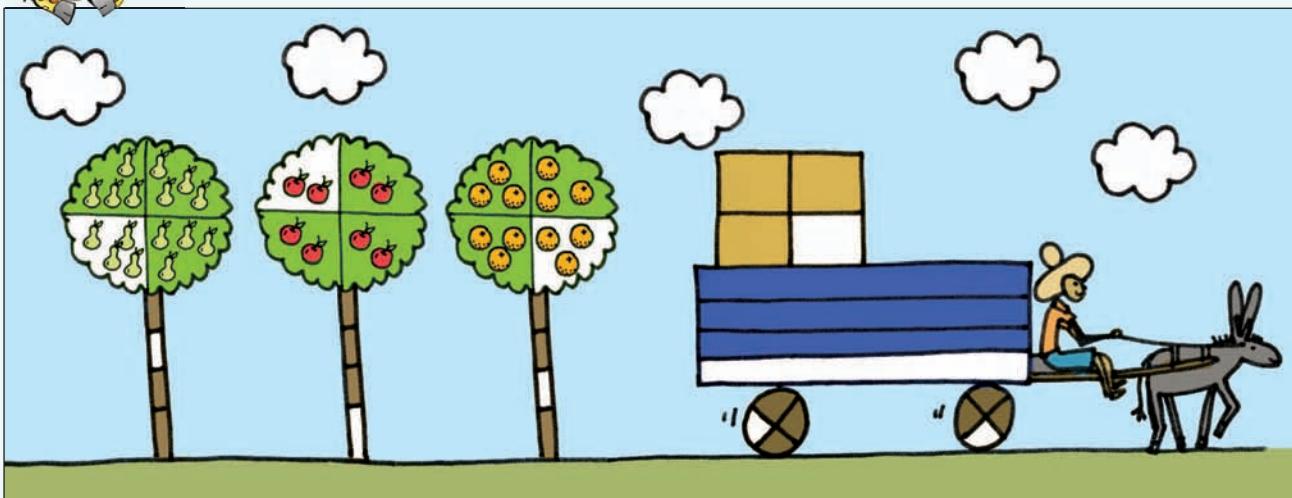
q4b



Amacezu – amanye amakota



Khalara ikota yokugcina ngombala ofanako.



Phendula okulandelako:

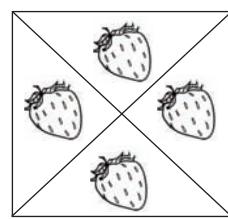
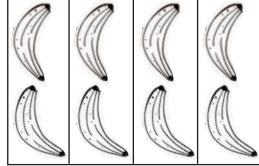
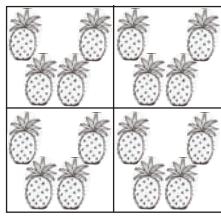
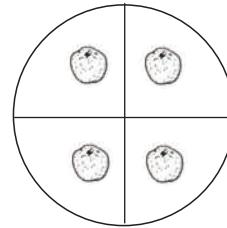
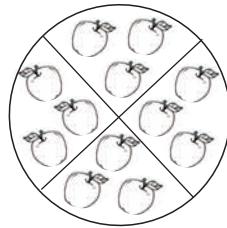
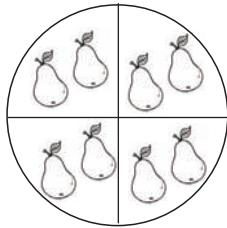
Nawukhupha i- $\frac{1}{4}$ yamapiyere emthini ipendulo _____.

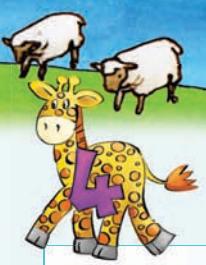
Nawukhupha i- $\frac{1}{4}$ yama-apula emthini yi-_____.

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

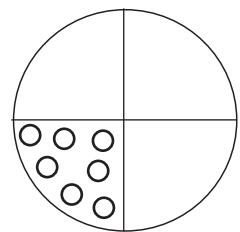
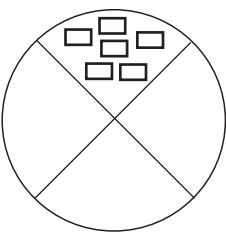
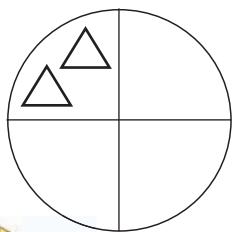
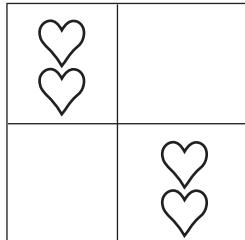
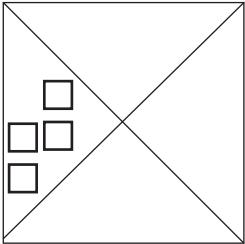
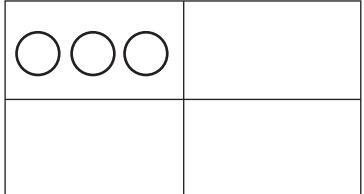


Khalara i- $\frac{1}{4}$ yesithelo kesinye nesinye isiqhema. Sithini isibalo seenthelo
kenye nenyenikota?

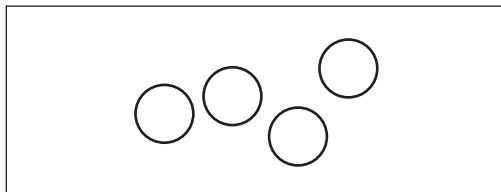
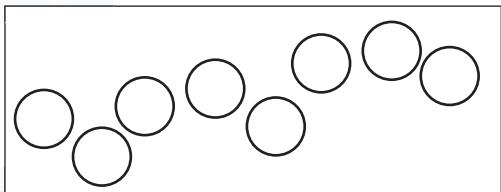




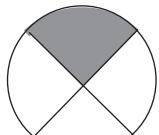
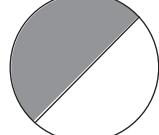
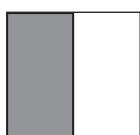
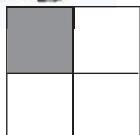
Gwala amanye amajamo ukwenza enye nenyé ikota ilingane.



Thengisa ikota yamajamo.



Ngikuphi okukhulu? Thika ipendulo enembako.



ihafu yinye

ikota yinye



ikota amakota

Teacher:

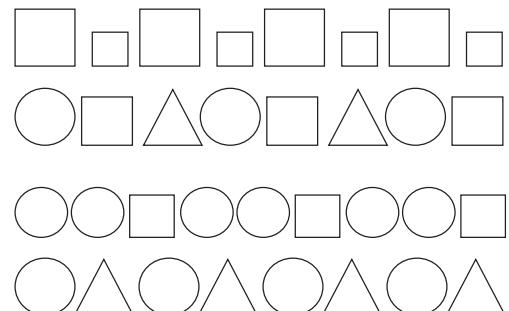
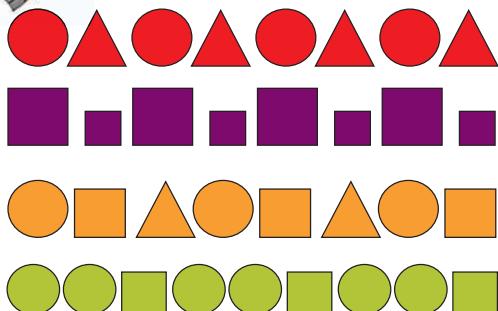
Sign:

Date:

95

Amaphetheni weenomboro anamajamo

Madanisa iphetheni.

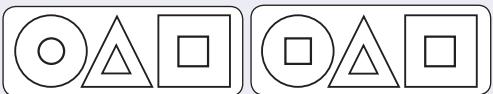


Kopulula iphetheni elandelako.





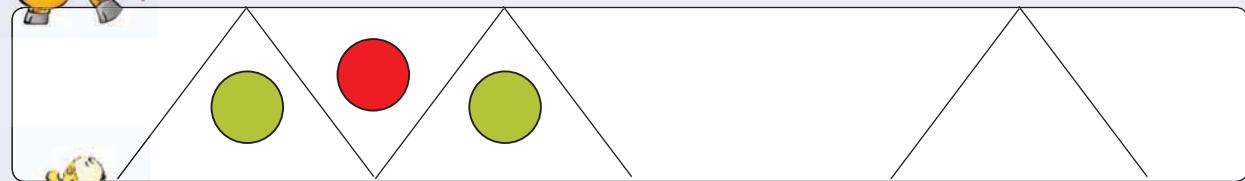
Khalara iphetheni ezokulandela.



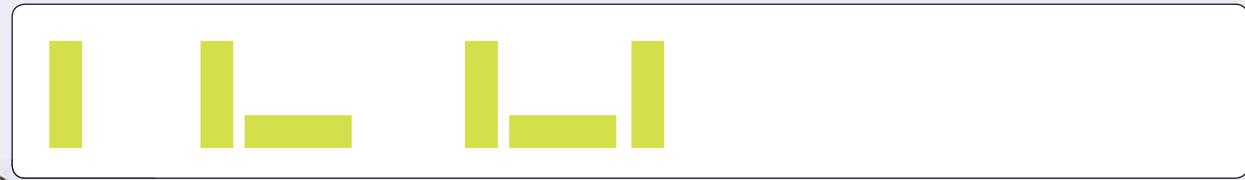
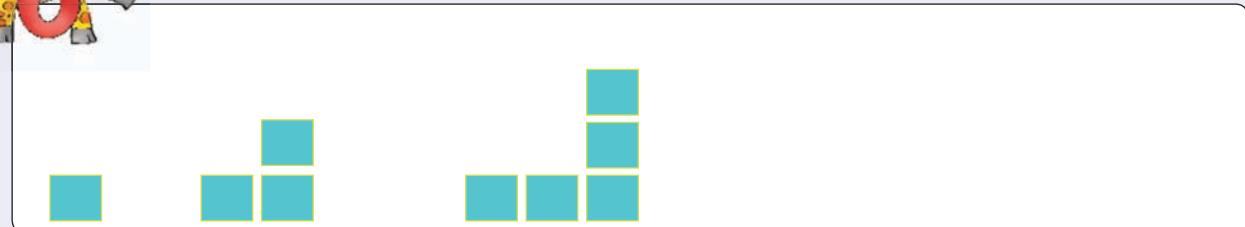
Gwala iphetheni elandelako.



Yelula iphetheni.



Gwala iphetheni elandelako.



Gwala iphetheni yakho.



qb

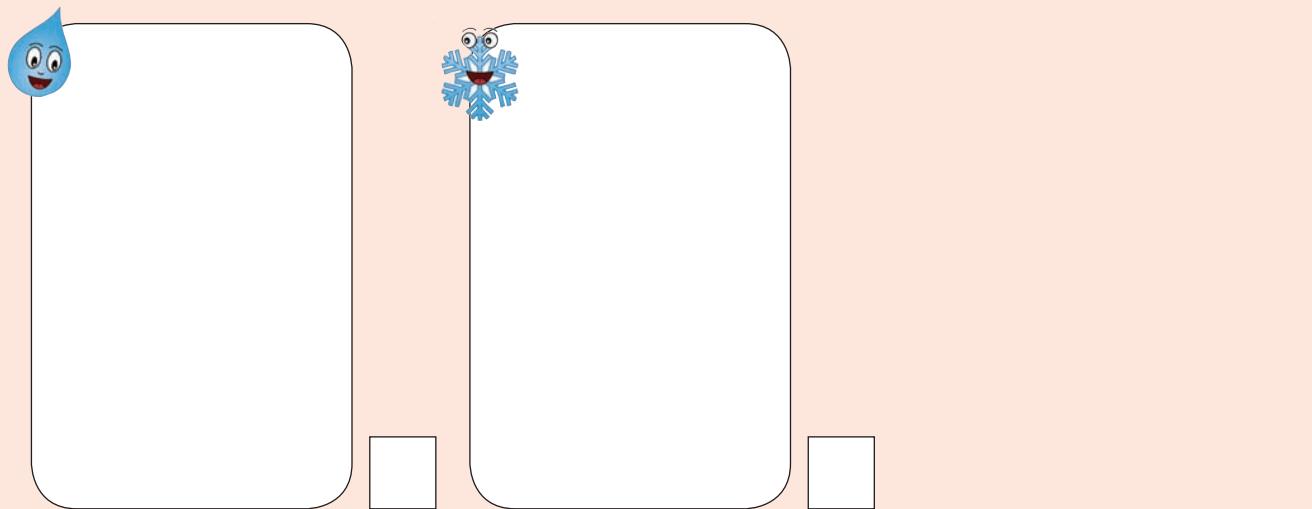
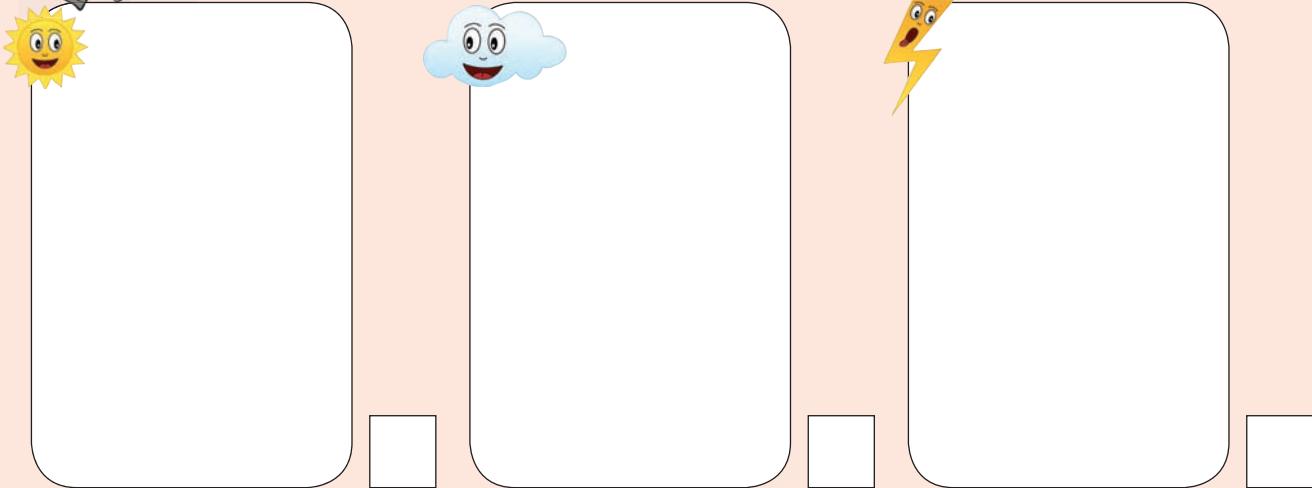


Ithemu 3

Ukuhlela imininingwana



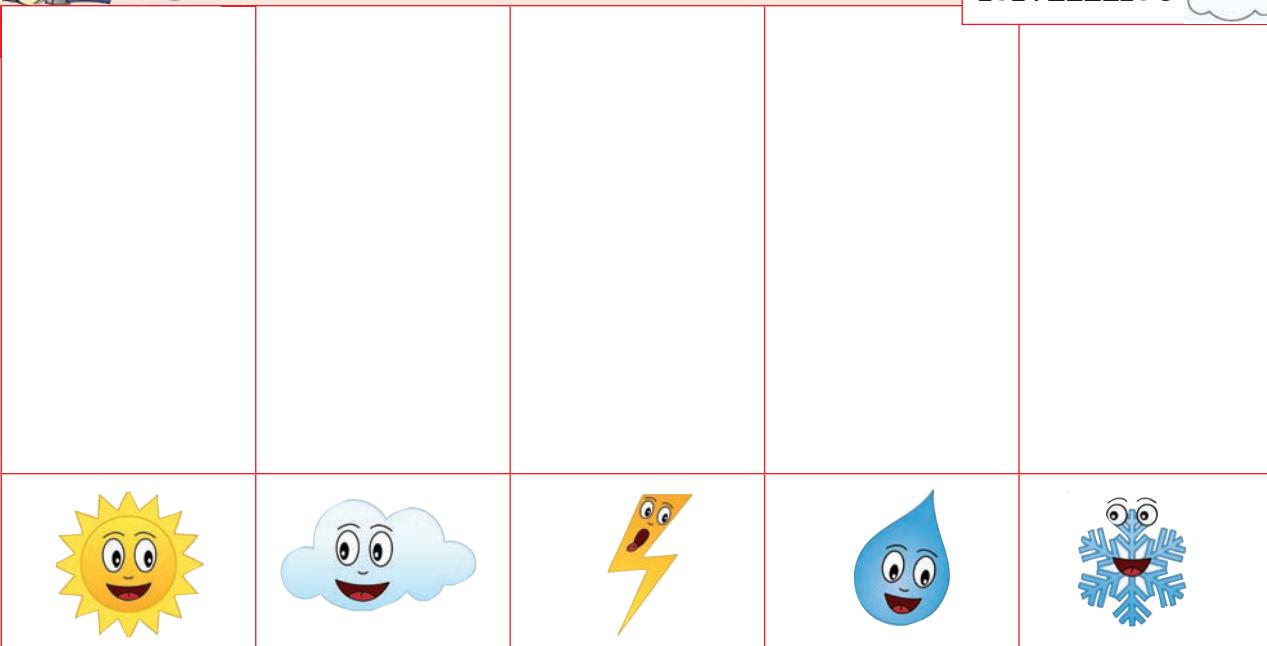
Hlela amatshwayo weeyeleliso zobujamo bezulu ngendlela efaneleko.
Gwala wakho umgwalo ukhombise. Tlola inani elifaneleko ngebhoksini ngalinye.





Gwala isithombe sephikthografu ukhombise ukuhleleka kweenyeleiso zobjamo bezulu.

ISIYELELISO:



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



Ingabe besinamalanga amanengi atjhisako nanyana amalanga abe anamafu khona?

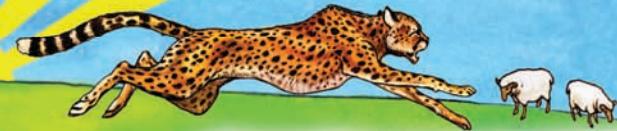
Ucabanga kobana kungasiphi isikhathi somnyaka?

Kubayini?

Ingabe lokhu kuzokufana kiwo woke amaphrovinsi?



97

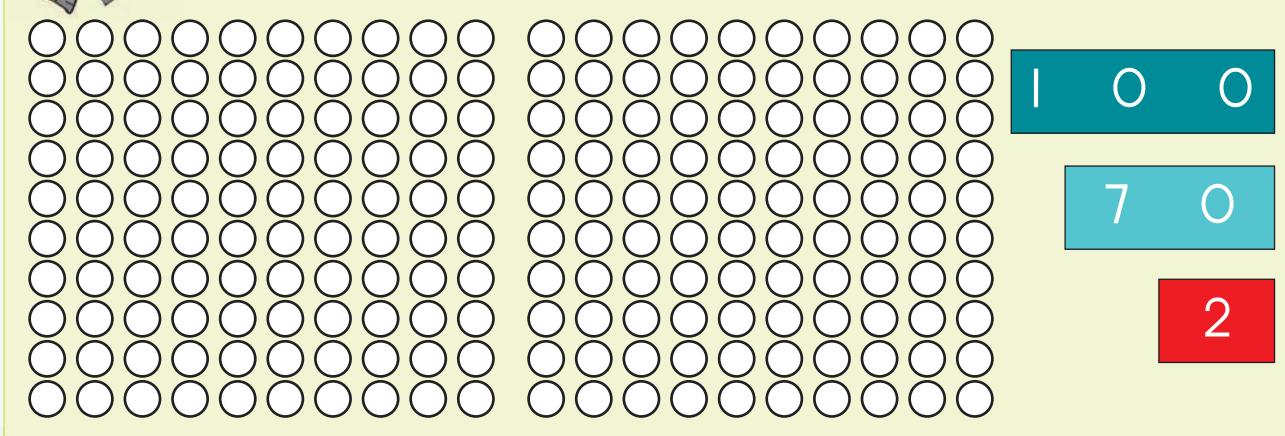


Iinomboro 150 – 180

Ithemu 4



Khalara ngaphakathi kwesijingi se-172.



Tlola umutjho weenomboro:

$\begin{array}{r} 1 \ 0 \ 0 \\ + 5 \ 0 \\ \hline 150 \end{array}$ $100 + 50 = 150$	$\begin{array}{r} 1 \ 0 \ 0 \\ + 5 \ 0 \\ \hline 150 \end{array}$ $100 + 50 = 150$	$\begin{array}{r} 1 \ 0 \ 0 \\ + 7 \ 0 \\ \hline 170 \end{array}$ $100 + 70 = 170$
$\begin{array}{r} 1 \ 0 \ 0 \\ + 5 \ 0 \\ \hline 150 \end{array}$ $100 + 50 = 150$	$\begin{array}{r} 1 \ 0 \ 0 \\ + 6 \ 0 \\ \hline 160 \end{array}$ $100 + 60 = 160$	$\begin{array}{r} 1 \ 0 \ 0 \\ + 5 \\ \hline 105 \end{array}$ $100 + 5 = 105$



Ngiziphi iinomboro eziza hlangana:

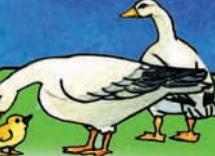
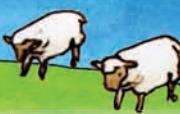
$$150 \text{ ne } 158 \quad \underline{\hspace{10cm}}$$

$$172 \text{ ne } 177 \quad \underline{\hspace{10cm}}$$

$$180 \text{ ne } 175 \quad \underline{\hspace{10cm}}$$

$$160 \text{ ne } 155 \quad \underline{\hspace{10cm}}$$

$$165 \text{ ne } 160 \quad \underline{\hspace{10cm}}$$



Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu
kunenomboro enikelweko.

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



Qedelela amanambalayini alandelako.

150 151 153 156 160

180 179 178

166 167 172 175 176



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



Teacher:
Sign:

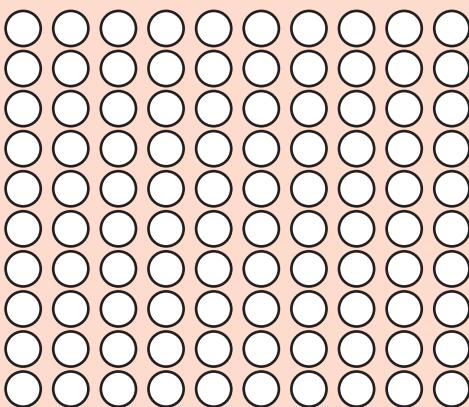
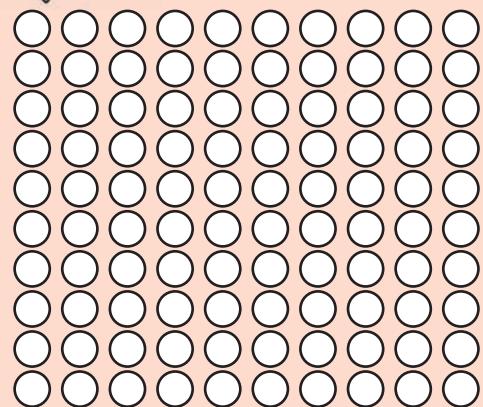
Date:

q8



Iinomboro 170 – 200

Khalara ngaphakathi kwesijingi se-1qq.



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



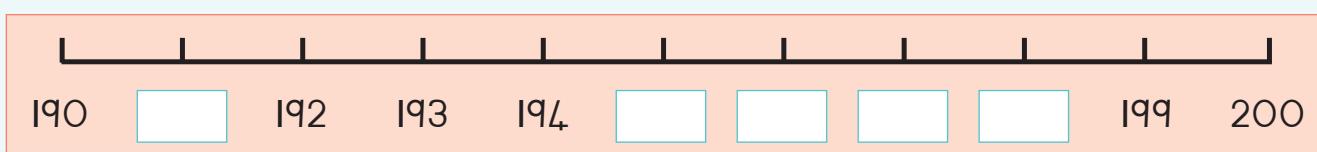
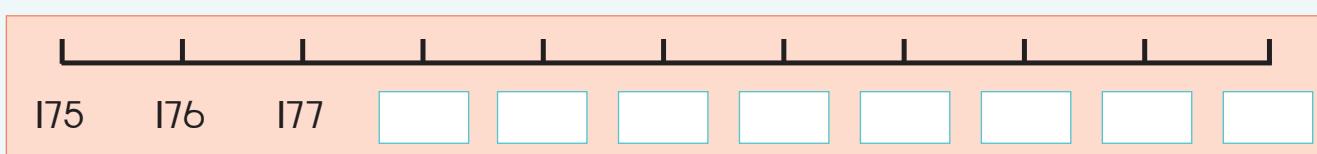
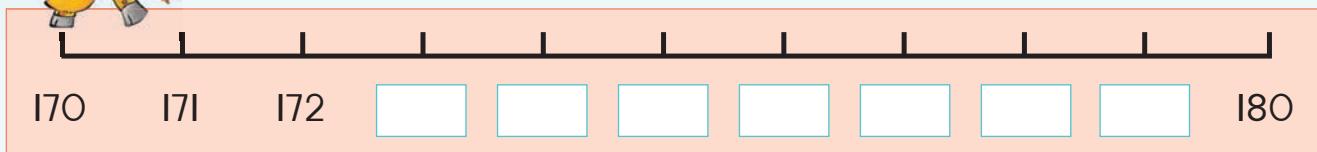
Tlola iinomboro ezimbili ezincani kanye nezimbili ezikulu
kunenomboro enikelweko.



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 kekulu khulu kuya kencani khulu.



Teacher:
Sign:
Date:

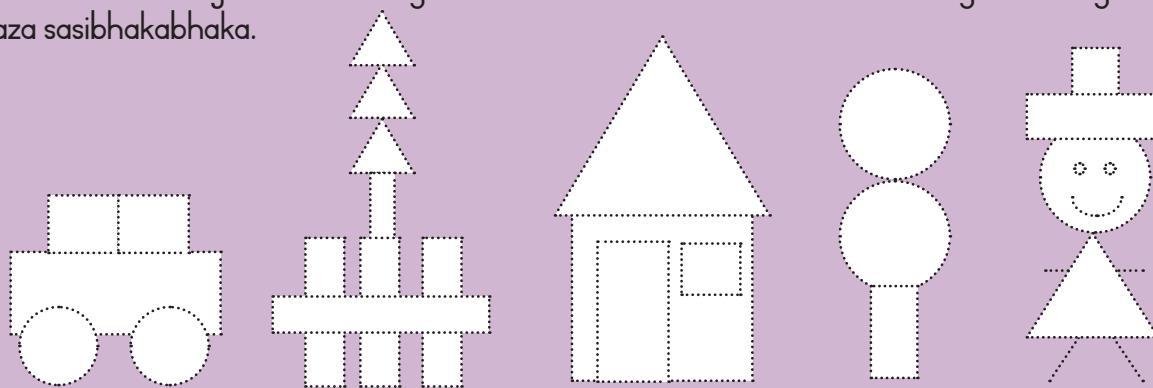
qq



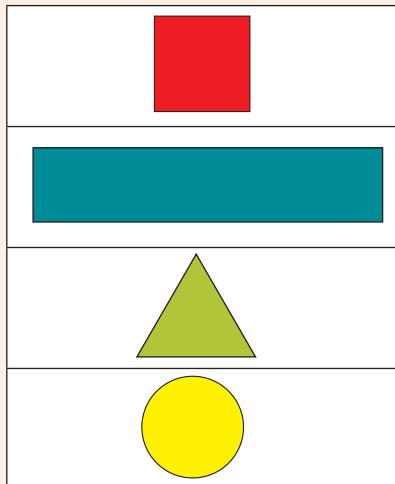
Amabumbeko anobujamo be-2-D

Ithemu 4

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



Madanisa igama nebumbeko elinembako.



uncantathu

indulunga

isikwere

irekhthengela

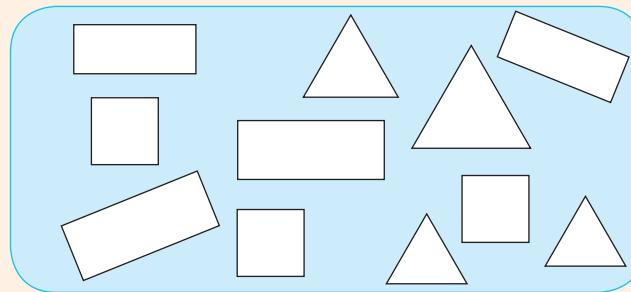
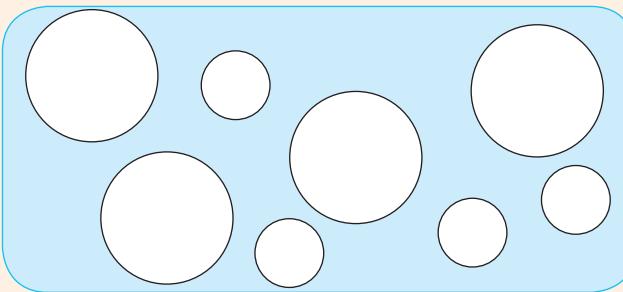


Khalara:

- Iindulunga ezikulu ngombala obov
- Iindulunga ezincani ngombala osarulani

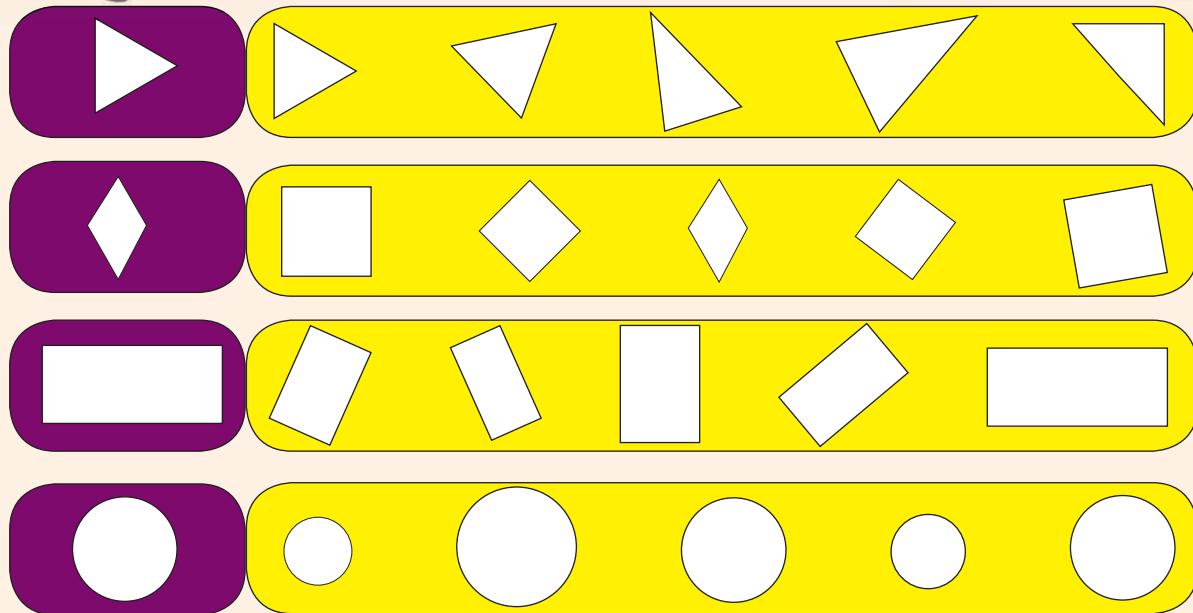
Khalara:

- Amarekhthengeli amakhulu ngombala obov
- Amarekhthengeli amancani ngombala osarulani

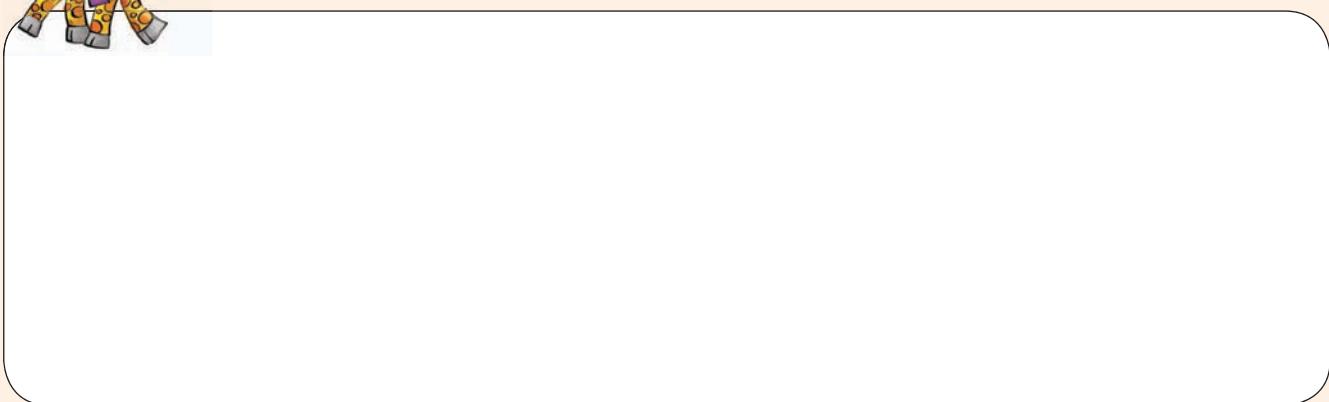




Khalara ijamo elifana nejamo elisekuthomeni.



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



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



100



Ilanga:

Iinomboro 0 – 200

Ithemu 4



Zingaki ezinye iinomboro ezahlukileko ongazakha.

1 0 0	4 0	2		
q	5 0	1 0 0		
	2 0	1	7 0	8



Qedeleta okulandelako.

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



Tlola ngemabhoksini anganalitho ngamakhulu, amatjhumi kanye namayunidi ukuqedelela isibalo.

$$\begin{array}{rcl}
 181 & = & \boxed{} + \boxed{} + \boxed{} \\
 144 & = & \boxed{} + \boxed{} + \boxed{} \\
 135 & = & \boxed{} + \boxed{} + \boxed{} \\
 156 & = & \boxed{} + \boxed{} + \boxed{} \\
 169 & = & \boxed{} + \boxed{} + \boxed{}
 \end{array}$$



Hlanganisa okulandelako:

$60 + 4 = \boxed{}$

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

$90 + 8 = \boxed{}$

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

$40 + 7 = \boxed{}$

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

$30 + 6 = \boxed{}$

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

$50 + 2 = \boxed{}$

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

Tlola inomboro etlhayelako:

$70 + \boxed{} = 71$

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

$30 + \boxed{} = 38$

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

$60 + \boxed{} = 69$

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

$20 + \boxed{} = 24$

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

$80 + \boxed{} = 85$

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



Zenzele zakho iimbalo usebenzise amakhulu, amatjhumi kanye namadijidi.

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

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



Ngijiphi inomboro ekulu (K)?

5	0	9
1	0	0

Ngijiphi inomboro encani (Nc)?

1	0	0
9	4	0

4	5	0
1	0	0



Teacher:
Sign:
Date:



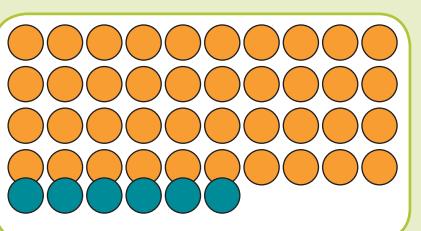
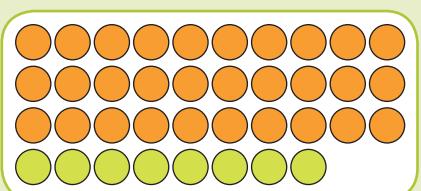
Ilanga:

Ukuhlanganisa nokukhupha

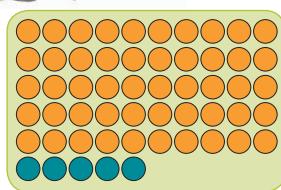


Qala ibhodi yeenomboro nomncamo. Khulumā ngokusebhodini.

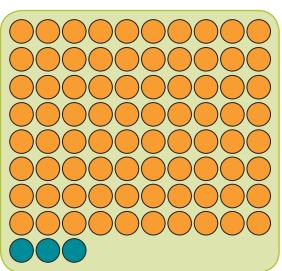
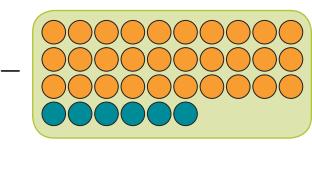
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



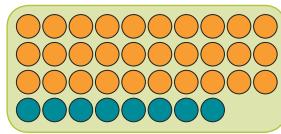
Hlanganisa nanyana ukhuphe.



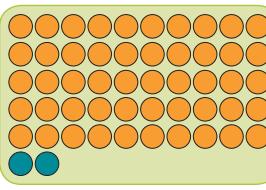
$$\begin{array}{r}
 50 \quad 5 - 30 \quad 6 \\
 = 40 + 15 - 30 - 6 \\
 = 10 + 9 \\
 = 19
 \end{array}$$



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



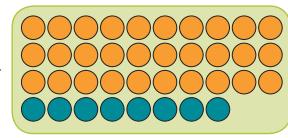
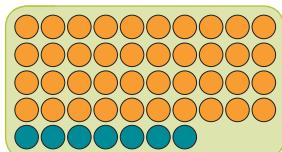
$$\begin{array}{r}
 \boxed{} \quad \boxed{} + \boxed{} \quad \boxed{} \\
 = \boxed{} + \boxed{} + \boxed{} \\
 = \boxed{} + \boxed{} + \boxed{} + \boxed{} \\
 = \boxed{} + \boxed{} \\
 = \boxed{}
 \end{array}$$



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

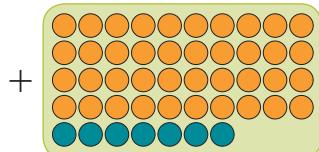
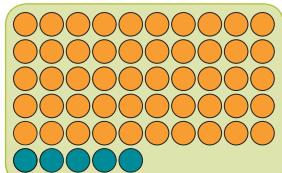


Linganisa bewubale.



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

Ilanga:

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

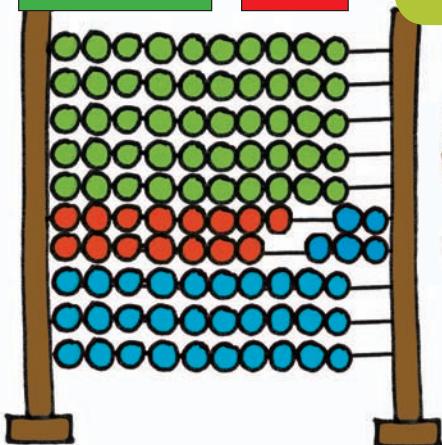
2	0	8
---	---	---

=

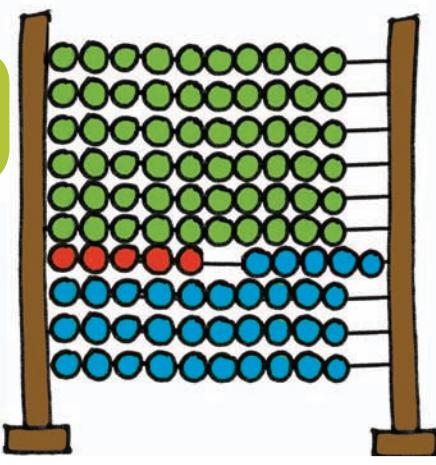
6	0	5
---	---	---

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

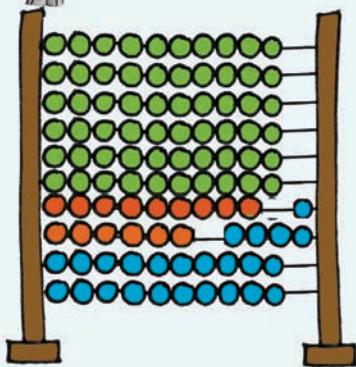
Hlanganisa iimbalo
ezimbili



Kulingana
na-.

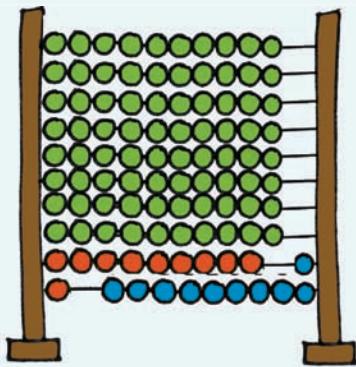


Tlola isibalo esihlanganisako kanye nesikhuphako. Balisia.



Isibalo esihlanganisako

Isibalo esikhuphako

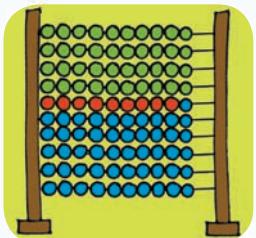


Isibalo esihlanganisako

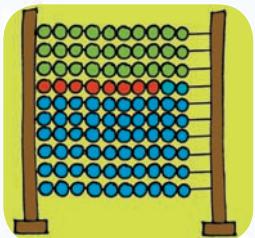
Isibalo esikhuphako



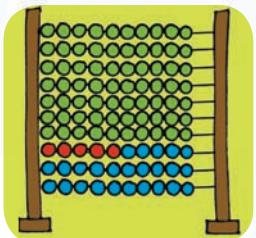
Linganisa bese uyabalisia.



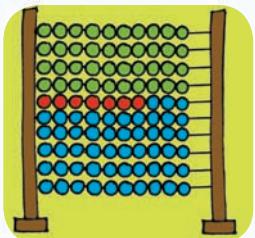
+



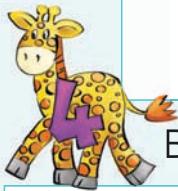
Linganisa



-



Linganisa



Balisia usebenzisa indlela yakho.

$58 + 35$

$34 - 26$



Uyini umphumela weenomboro 74 no-19?

Inani laka-46 no-27

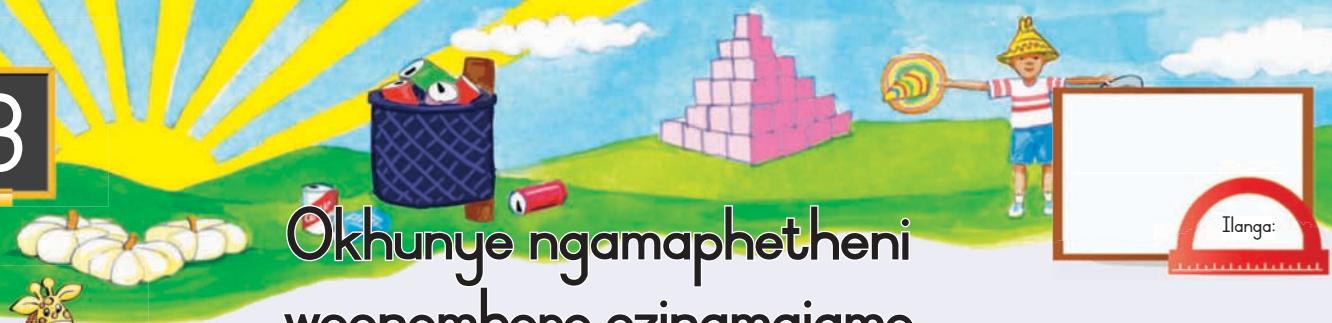
Khupha u-34 ku-72.

Umehluko waka-81 no-36.



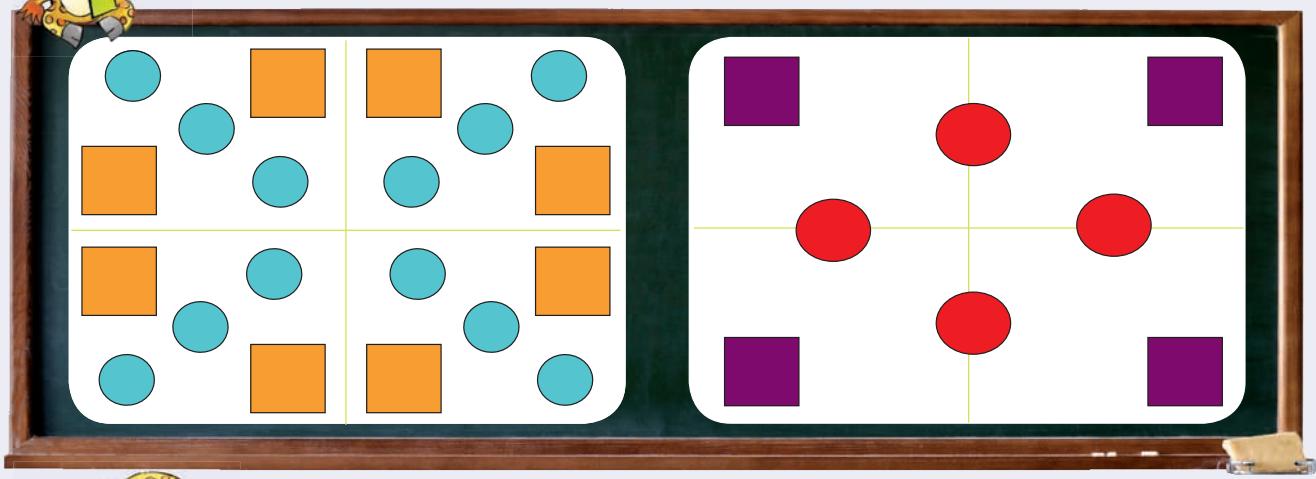
Teacher: _____
Sign: _____
Date: _____

103

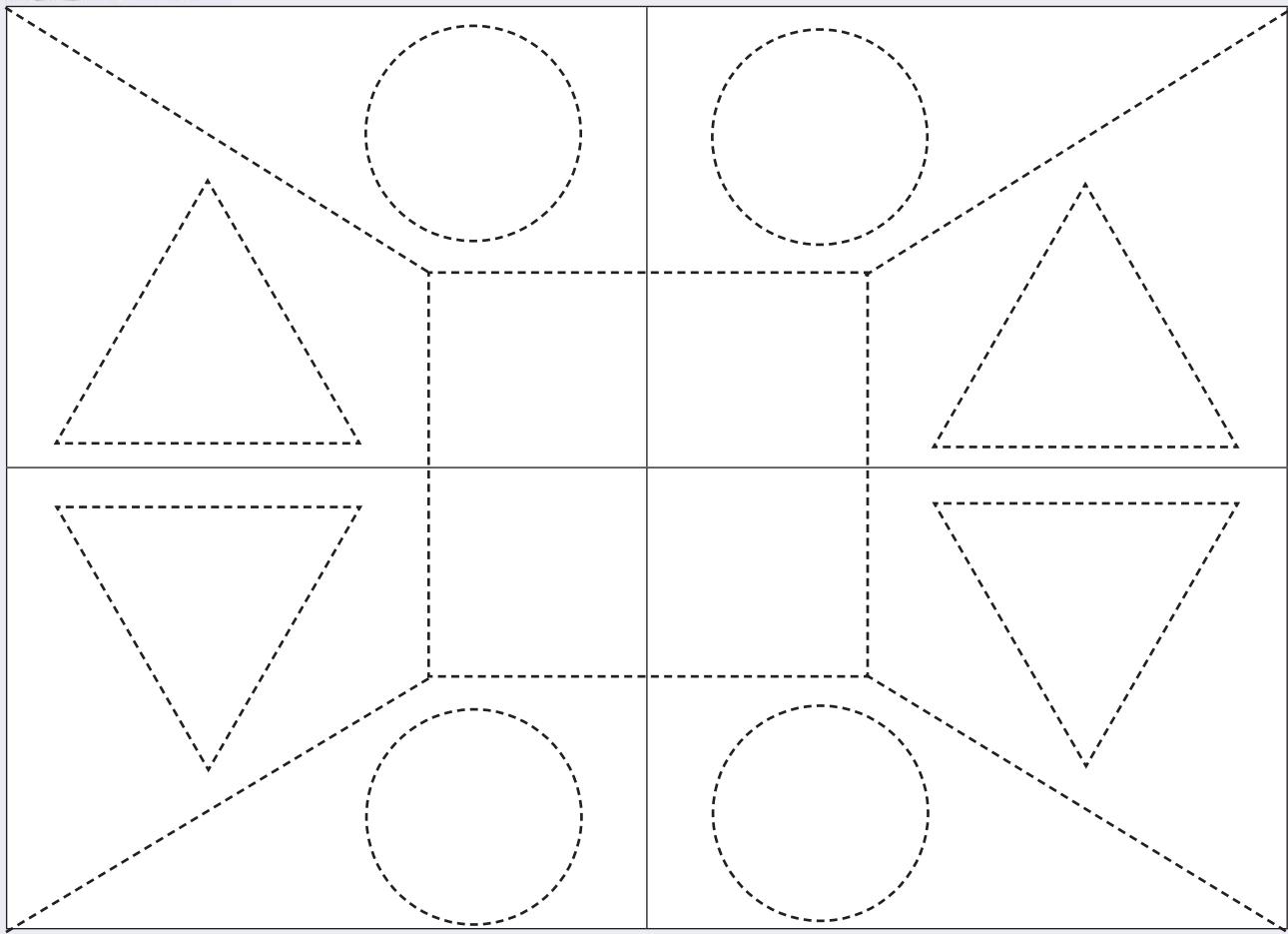


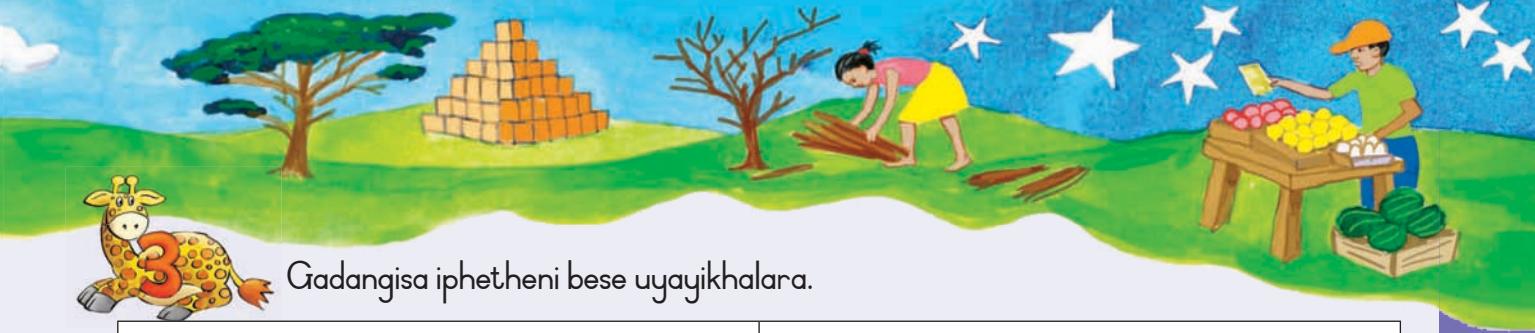
Ithemu 4

Hlathulula iphetheni.

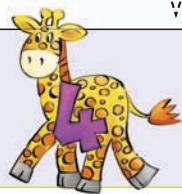
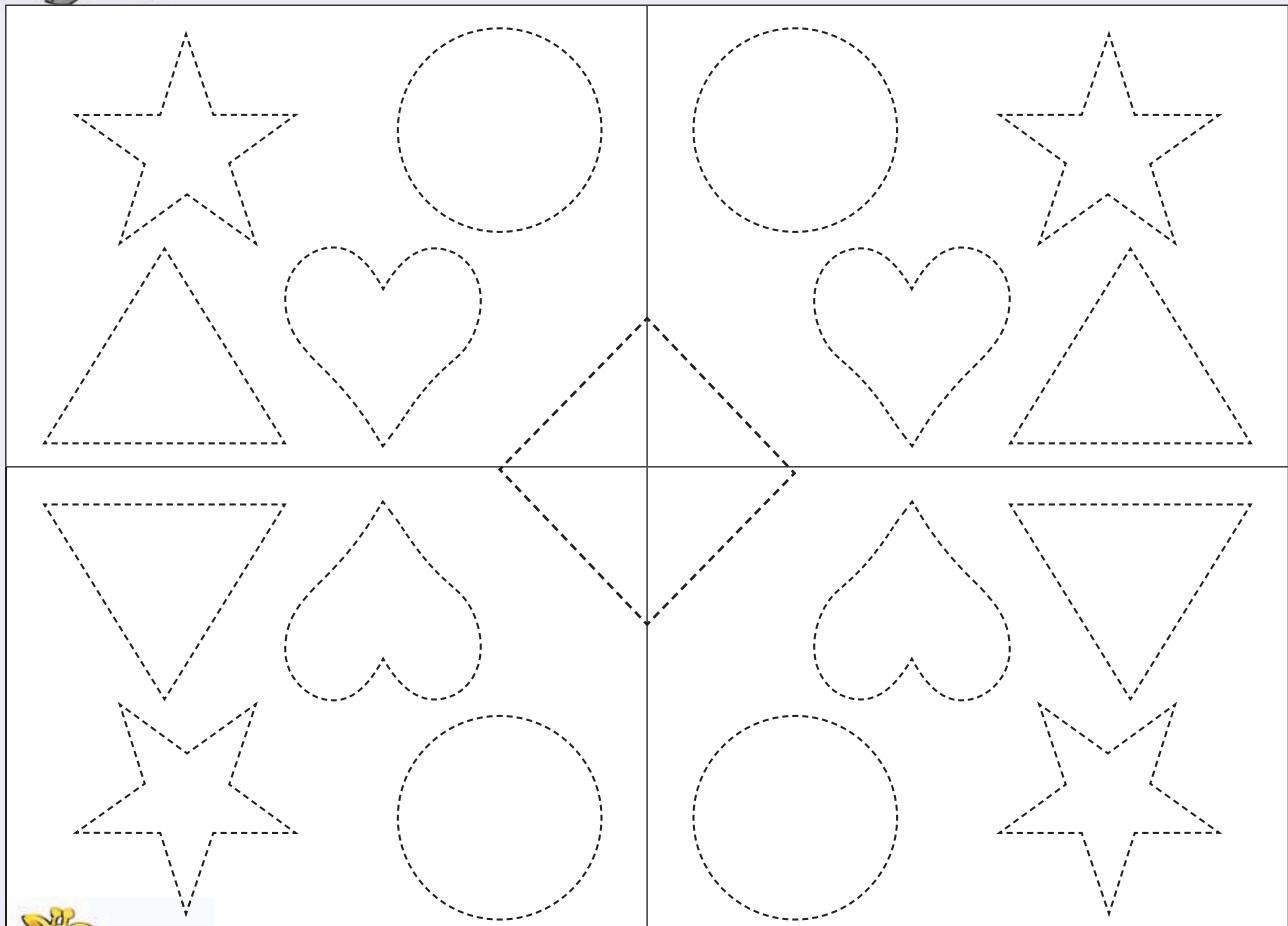


Gadangisa iphetheni bese uyangikhala.

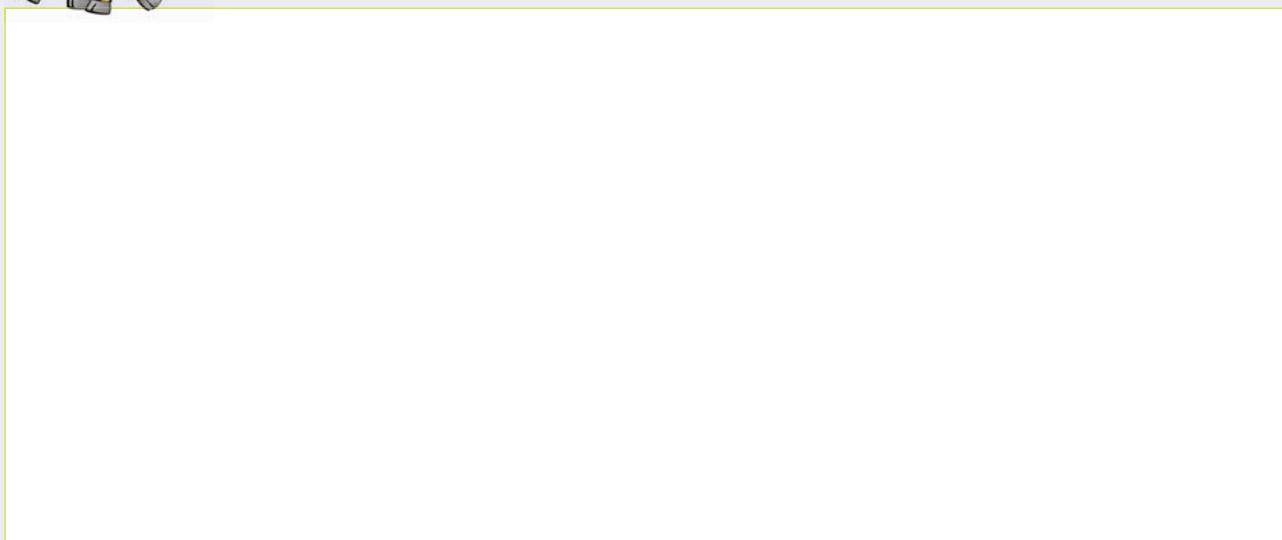




Gadangisa iphetheni bese uyayikhala.



Zenzele iphetheni yakho usebenzisa amajamo.



Teacher:

Sign:

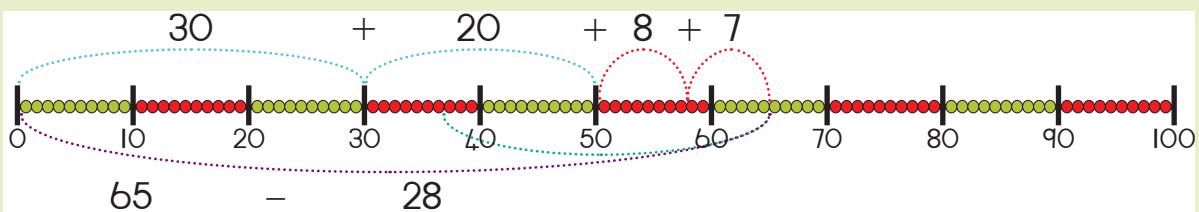
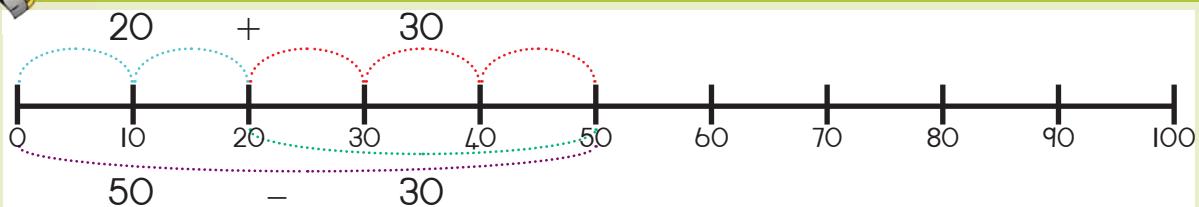
Date:



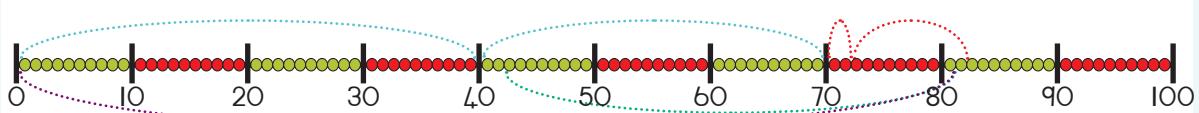
Ukuhlanganisa nokukhupha



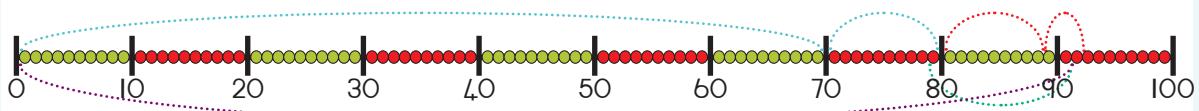
Qala amanambalayini. Coca ngawo.



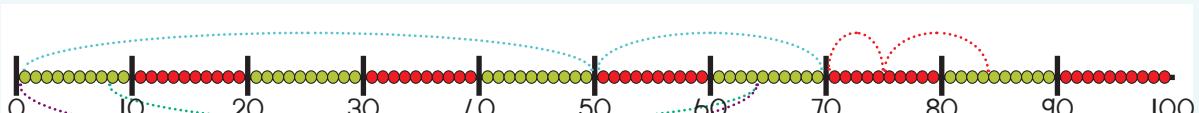
Tlola isibalo sokuhlanganisa nesokukhupha usebenzise amanambalayini.



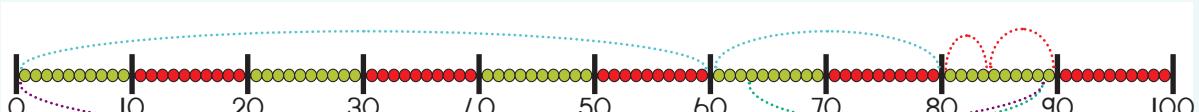
Isibalo sokuhlanganisa: _____ Isibalo sokukhupha: _____



Isibalo sokuhlanganisa: _____ Isibalo sokukhupha: _____



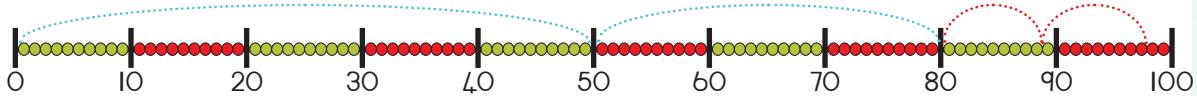
Isibalo sokuhlanganisa: _____ Isibalo sokukhupha: _____



Isibalo sokuhlanganisa: _____ Isibalo sokukhupha: _____

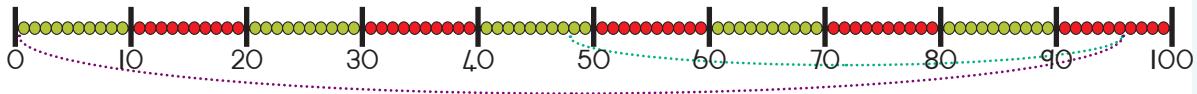


Linganisa bese uyabalisia inani lomncamo.



Linganisa: _____ :

Balisisa: _____



Linganisa: _____ :

Balisisa: _____



Balisisa usebenzisa yakho indlela.

$74 + 18$

$72 - 43$



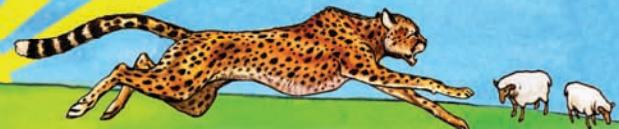
Uyini umphumela waka-82 no-9?

Khupha u-44 ku-52.

Hlanganisa u-79 no-13.

Nawukhupha u-59 ku-98 kusala.





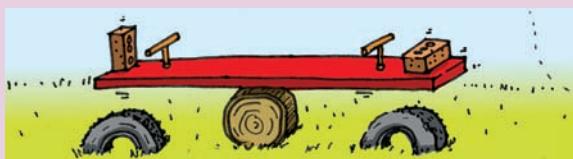
Ilanga:



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

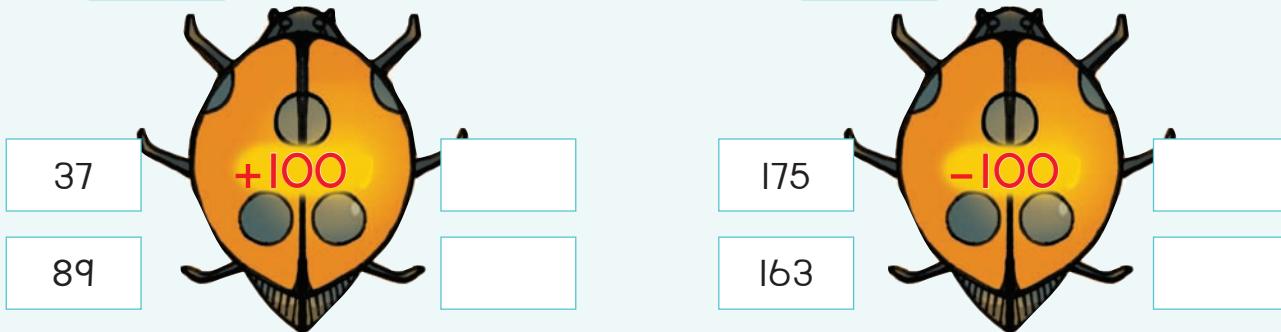
40	50
10	
60	
70	
20	
80	
30	
100	

10
kutlhayela
ngetjhumi

40	30
150	
20	
110	
200	
60	
180	
70	



Qedelela amadayagramu alandelako.

 25 $\boxed{\quad}$ 199 $\boxed{\quad}$ 



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

q 0

-

2 0

+

5

100

4

3

3 0



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



Yini
ukuhlanganisa?

2 6 5 7
4 7 3 8
q



Yini ukukhupha?

4 7 10
5 q 6 2 8 3



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

48 + 36

85 - 59



Rarulula isibalo samagama. Yenza umgwalo ukutjengisa ipendulo yakho.

Ngizibulungele i-R42, ubaba wase ungipha
i-R29. Ingabe nginamalini seyiyoke?

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

Teacher:

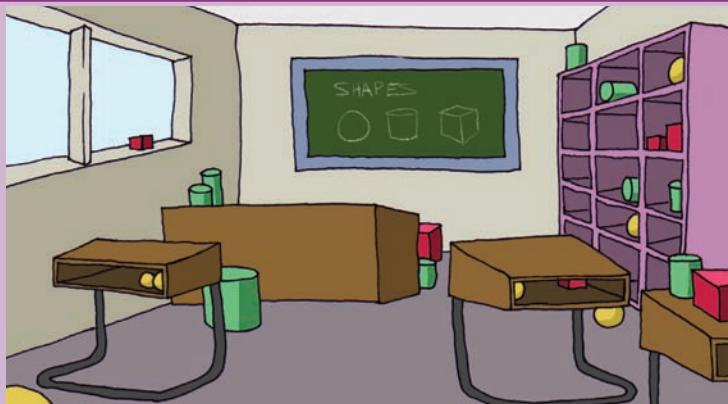
Sign:

Date:



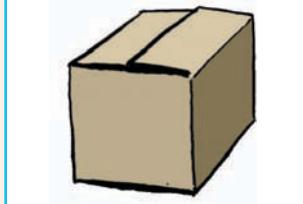
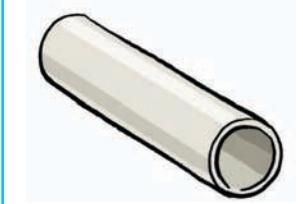
Amabumbeko anobujamo 3-D

Akuphi amabhoksi, iimbholo
kanye namasilinda?



Yitjho nangabe libhoksi, yibholo nanyana isilinda.







Thola isithombe salokhu bese unamathisela lapha:

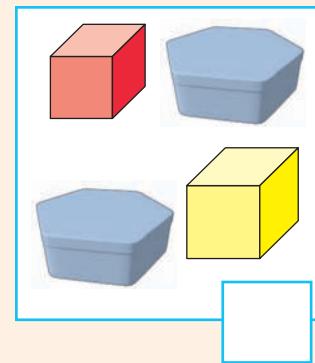
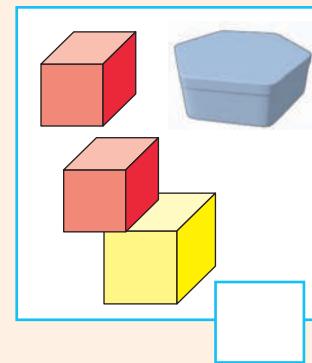
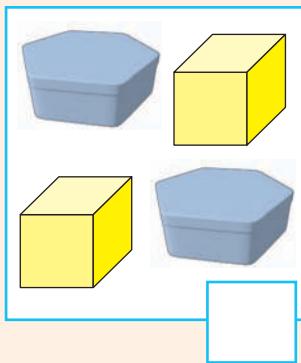
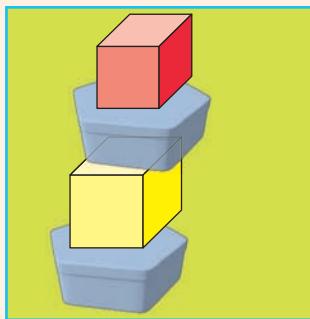
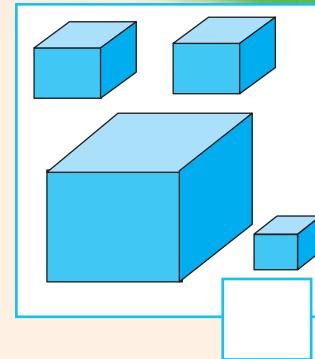
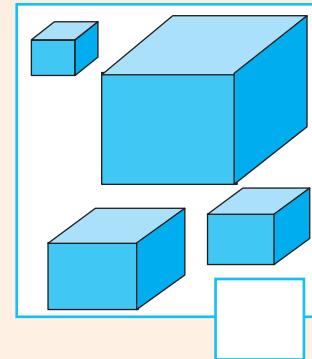
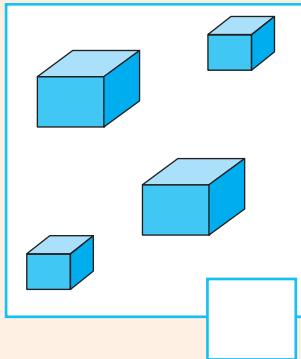
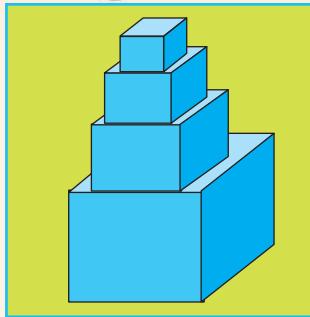
Ibholo

Ibhoksi

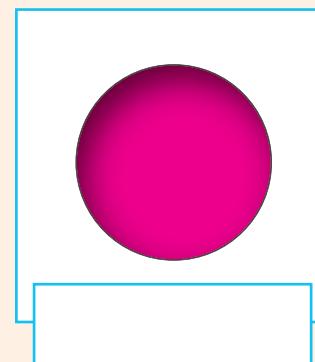
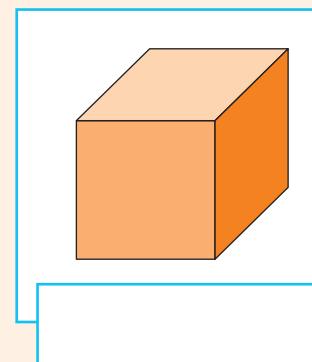
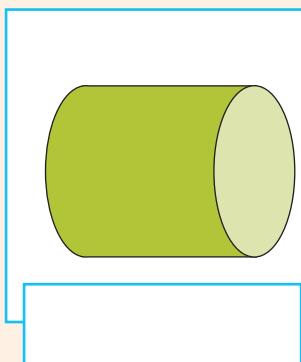
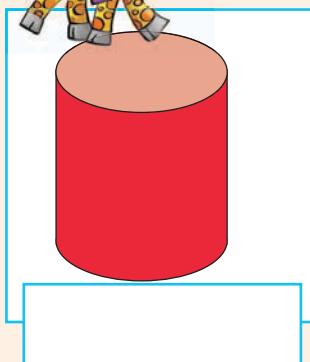
Isilinda



Tshwaya isede yezinto ezinembako
ezizokwakha umbhotjhongo ngesinceleni.



Yitjho kobana lokhu kuzokugedeka nanyana kuzokutjhelela na.



Kwenu nanyana eduze kwakho kunento ebonakala njengalokhu:

- Isilinda
- Ibholo
- Amabhoksi

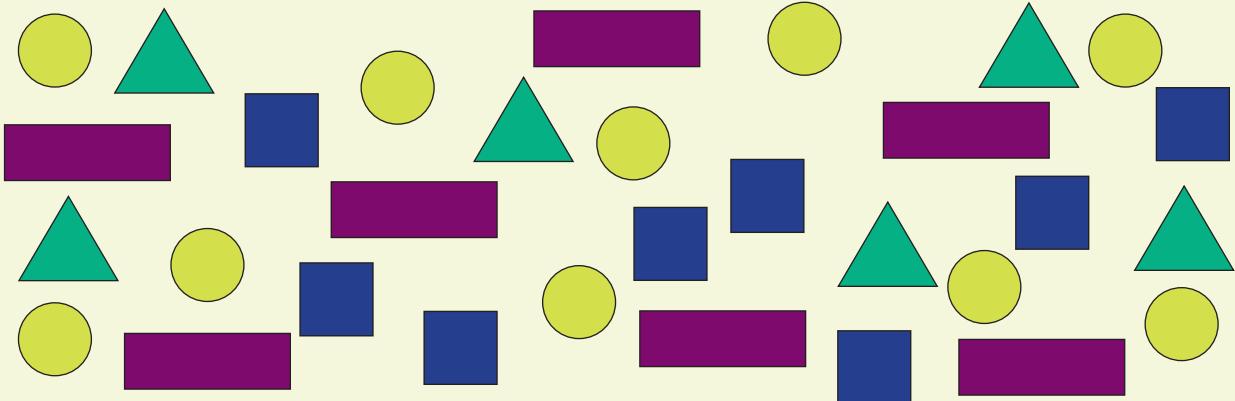
<hr/> <hr/>	<hr/> <hr/>
<hr/> <hr/>	<hr/> <hr/>



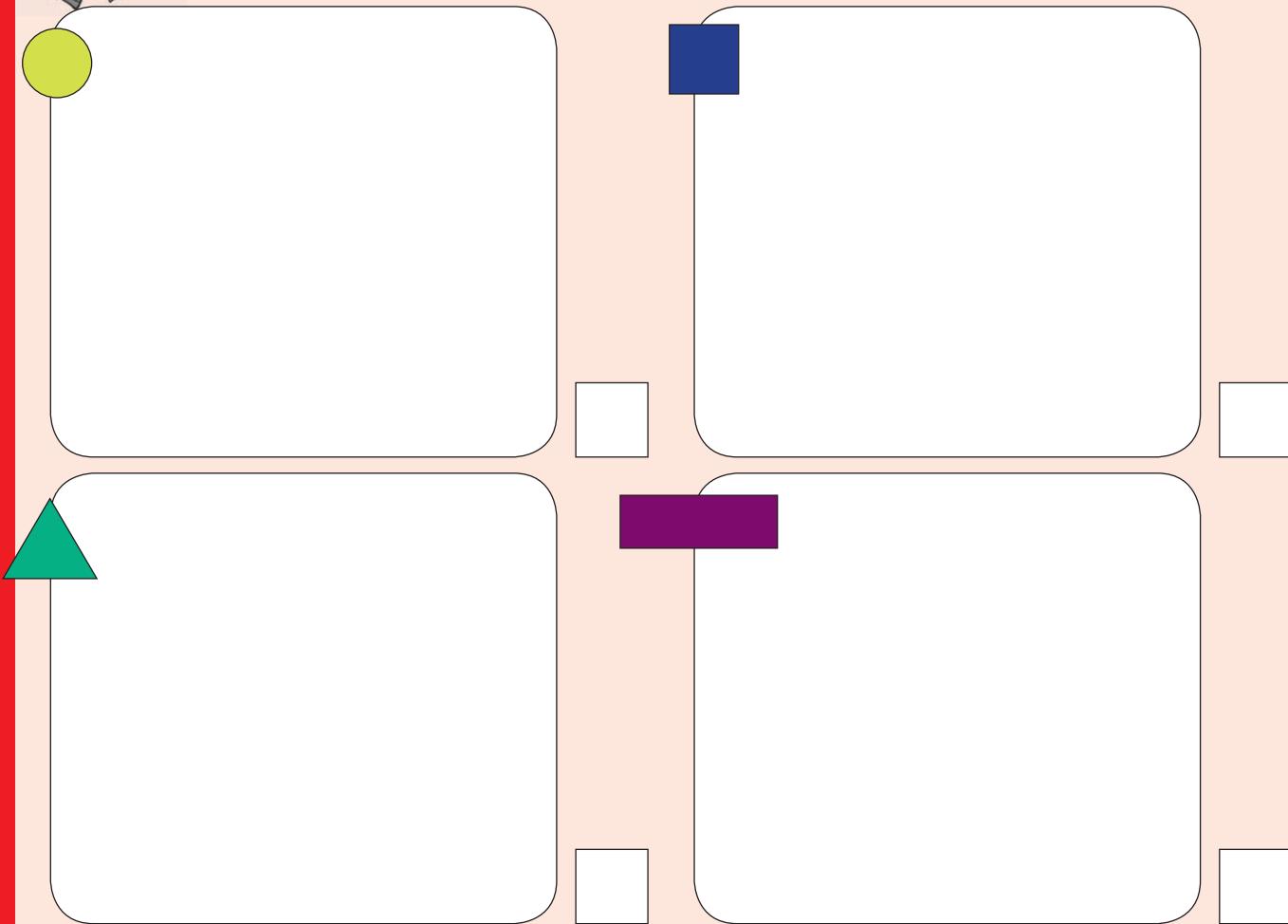


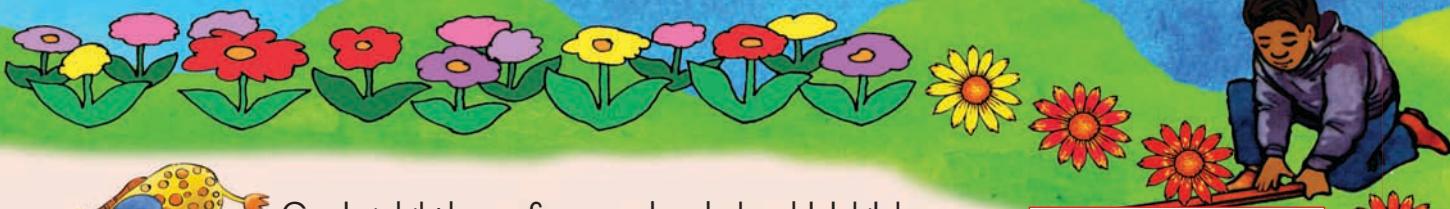
Idatha engezelelweko

Ithemu 4



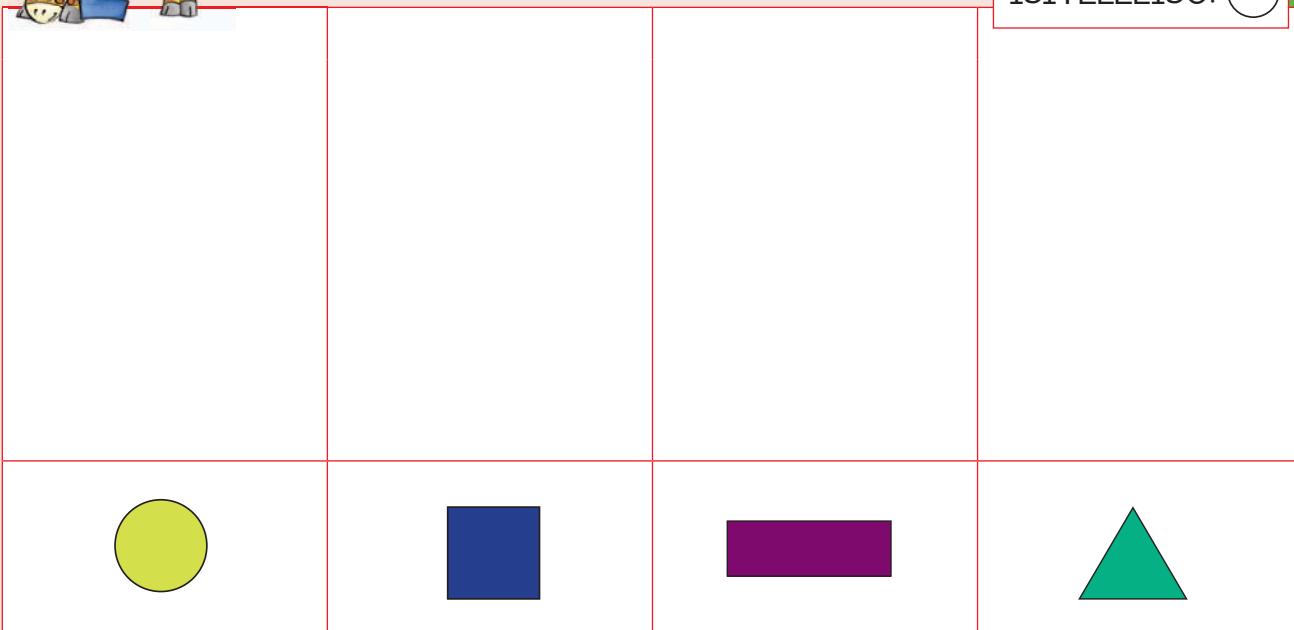
Hlela kuhle amabumbeko. Gwala wakho umgwalo ukhombise ama-phikthografu ahlekileko. Tlola inani elifaneleko ngebhoksini ngalinye.



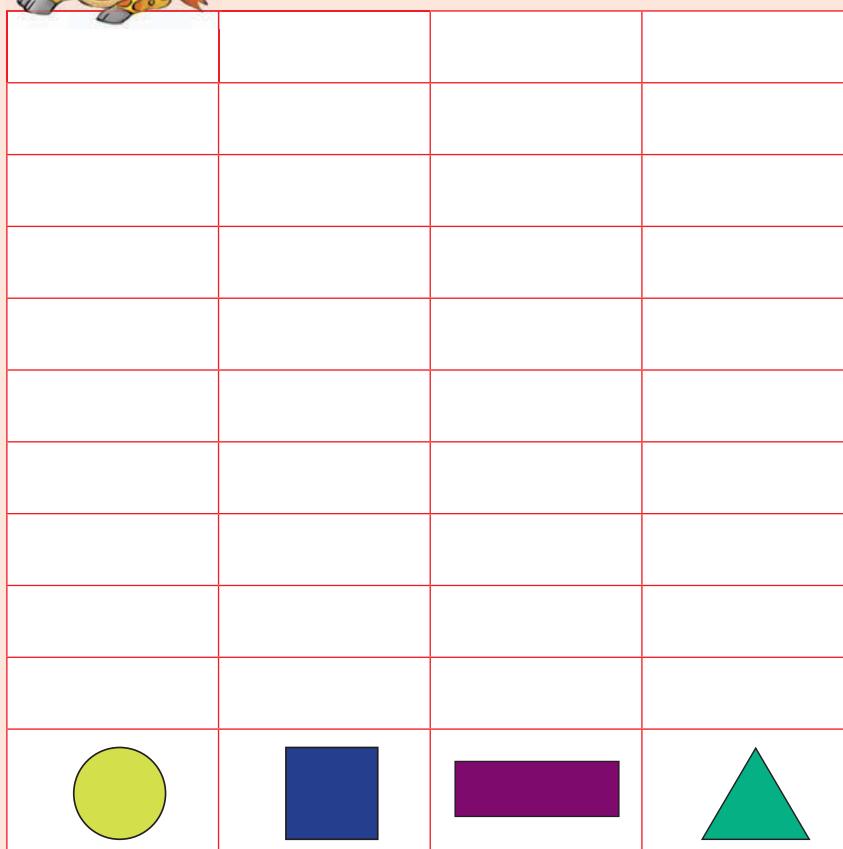


Gwala iphikthografu enamabumbeko ahlekileko.

ISIYELELISO:



Khalara amabhlogo ukuze uqedeletele ibhagrafu yakho.



Zingaki iijingi ezilapho?

Zingaki iinkwere ezilapho?

Mangaki amarekhthengele alapho?

Bangaki aboncantathu abalapho?

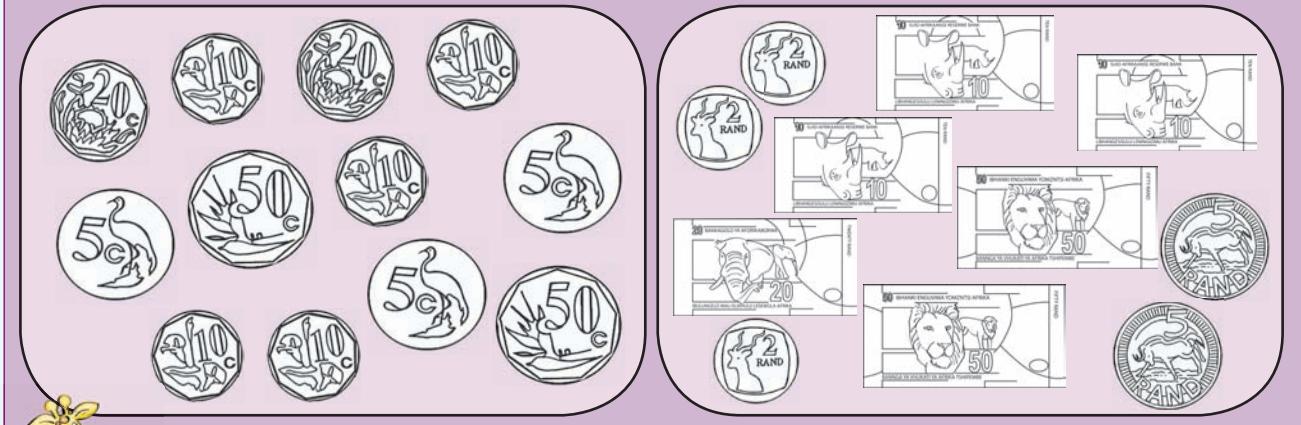




Ukubala imali

Ilanga:

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



Khalara imali emumuwa ezokunikela inani. Ngilokhu kwaphela okuhlanganisileko.

	Iye	Awa
75c		
85c		
90c		



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

Iye Awa

R87		
R75		
R94		



USipho uthenge amabhega amabili.

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

Tjengisa imali yamaphepha nemali. Eziihlamvu ukutjengisa ipendulo yakho.

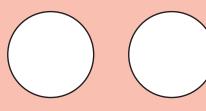
Ubuye uytlole godu njengomutjho weenomboro.



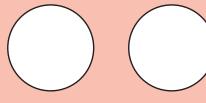
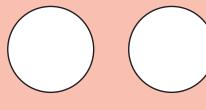
Imitjho yeenomboro: RI2,50 +
RI2,50 =



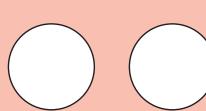
Nangabe uSipho uthenga amabhega amathathu?



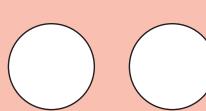
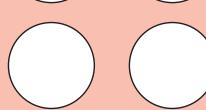
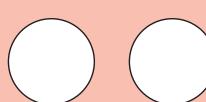
Imitjho yeenomboro:



Nangabe uSipho uthenga amabhega amane?



Imitjho yeenomboro:



USipho angathenga amahambhega amangaki ngemali ema-R87,50?

gwala umgwalo ofana nalo ongehla ukuze ukusize ukurarulula isibalo. Sebenzisa iphepha elinye ngeqadi.



Teacher:

Sign:

Date:



Ukurarulula umraro wemali

Ithemu 4

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

Itjhokoledi eli-1



Amatjhokoledi ama-2



Amatjhokoledi ama-3



Amatjhokoledi ama-4



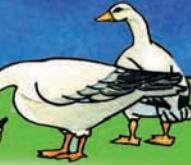
USheila uthengisa ama-hotdog nga-R4 lilinye. Qedelela itheyibula ukuze umsize athole amanani amakhulu woku-oda.

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



Nangabe uSheila ubiza ama-R5 i-hotdog ngayinye?

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



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

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



USello uqunta ukukhuphula ngokubuyelelw kibili inani lemali ezokubhadelwa.
Tjengisa itheyibula.

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



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

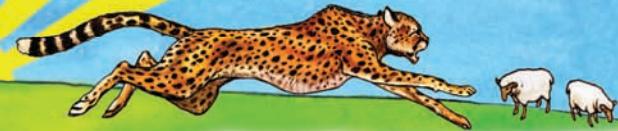


Ufuna ukuthenga amamafini ali-10. imafini ngayinye ibiza ama-R10.
Uzokubhadel malini : Imafini eli-1, ama-2, ama-3, ama-4, ama-5,
asi-6, ali-7, abu-8, ali-9, ali-10. Tjengisa isibalo sakho etheyibuleni
elisephepheni elinye elingeqadi.



Teacher: _____
Sign: _____
Date: _____

10

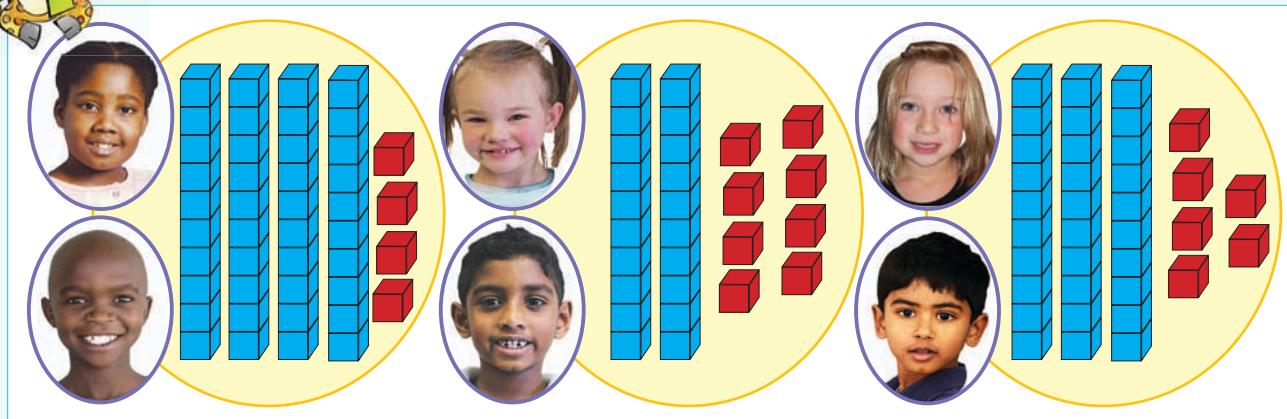


Amabuthelelo nokwabelana

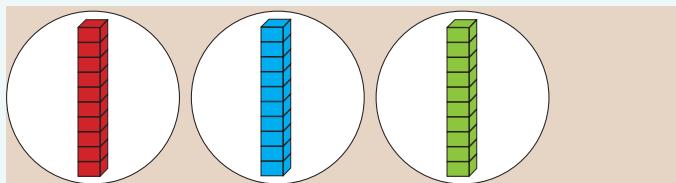
Itthemu 4



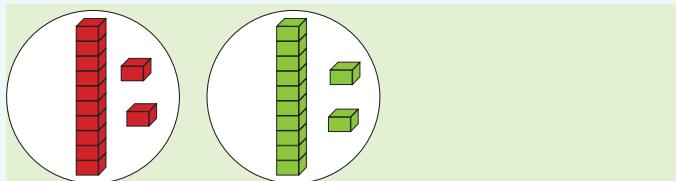
Mabhlogo amangaki endulungeni ngayinye hlangana nabentwana?



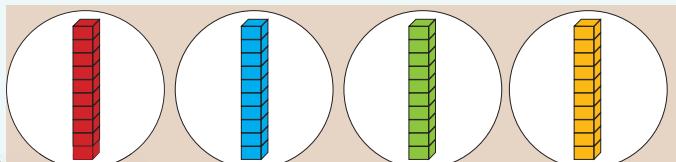
Mangaki amabhlogo asendulungeni ngayinye? Tlola inani elihlangeneko ngendulungeni ehlaza kwesibhakabhaka.



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



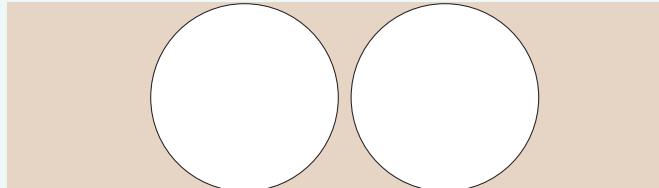
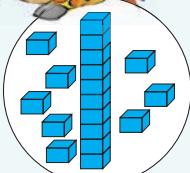
$$\square \times \square = \square$$



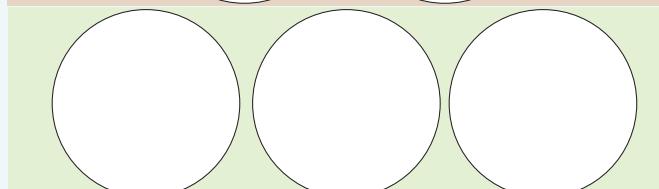
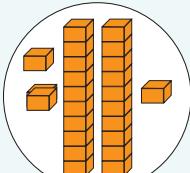
$$\square \times \square = \square$$



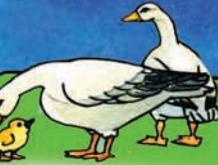
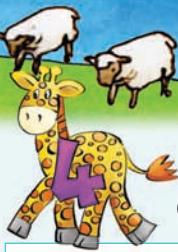
Yaba amabhlogo hlangana neendulungu.



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



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



Gwala okulandelako. Tlola inani lakho ngokukodwa.

Amabuthelelo wangaku-3 ama-2

Hlanganisa inani loke:

Phindaphinda inani loke:

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

Khupha inani loke:

Hlukanisa inani loke:

Amabuthelelo wangaku-4 ali-10

Hlanganisa inani loke:

Phindaphinda inani loke:

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

Khupha inani loke:

Hlukanisa inani loke:



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

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

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

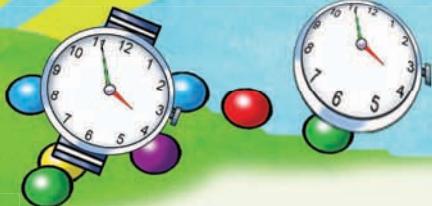
yaba ama-35 ngaku-5 _____ yaba ama-50 nge-10 _____



ukwabelana okubuyelwelwe kabilo



Teacher:
Sign:
Date:



Okhunye ngomthamo

Ilanga:

Qala iinthombe. Abentwana benza ini?



Amakhezo azokuzalisa ijego kufikela kuphi? Khalara. Sewenzelwe isibonelo.



Kuzokwenzeka ini nangabe uthela amakopi asi-6 ngejegeni yokumeda?



Utlhoga amakopi amangaki ukuzalisa:

Iinjege ezi-2 _____

Iinjege ezi-3 _____

Iinjege ezi-4 _____

Iinjege ezi-5 _____



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

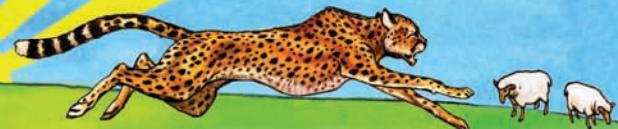
2



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



Teacher:
Sign:
Date:



Amanye amaphetheni

Ithemu 4

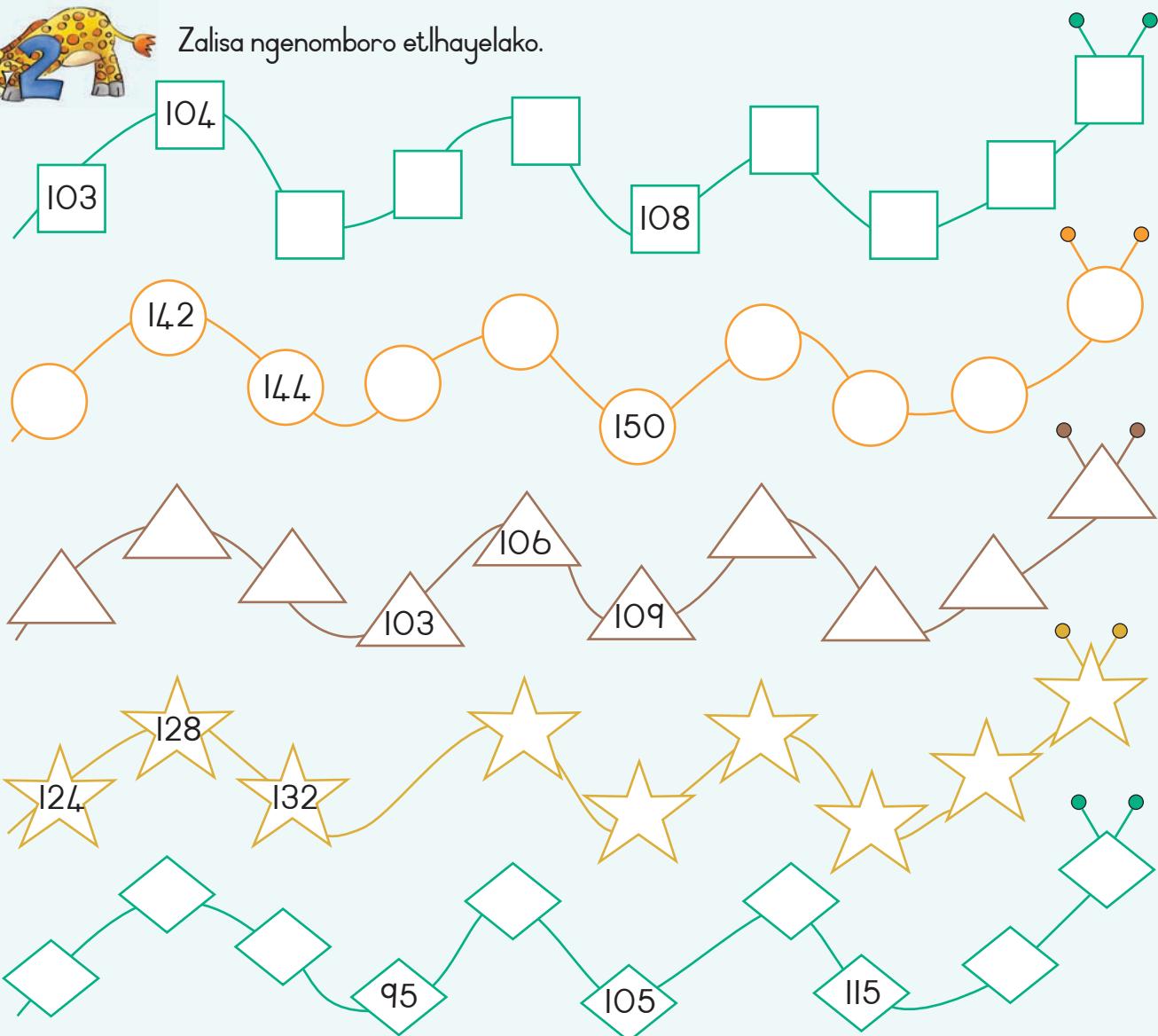


Beka amakarada ngokulandelana. Thoma ngamakhulu uyokuqedelela ngamancani, beso uthoma godu ngamancani uye kamakhulu.

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



Zalisa ngenomboro etlhayelako.





Qedelela ukubala okulandelako uye emuva.



128	126	124			118			
160	157	154						
200	195	190						



Qedelela okulandelako.

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

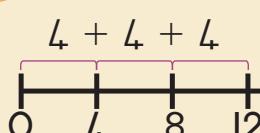
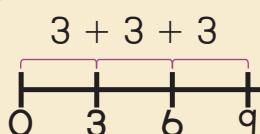
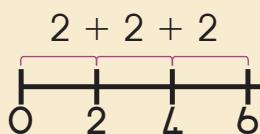
160, 155, 150, ___, ___, ___, ___, ___

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

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



Qedelela inambalayini.



Sibala ngangaki?

4	20
8	12
16	

2	14
8	12
10	6

5	15
25	20
30	10

3	21
15	6
18	12



Teacher:
Sign:
Date:

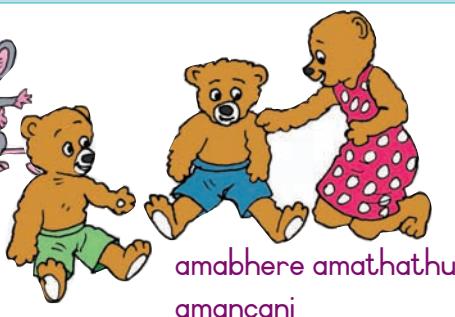


Ukubuyabuyeleta ngaku-3

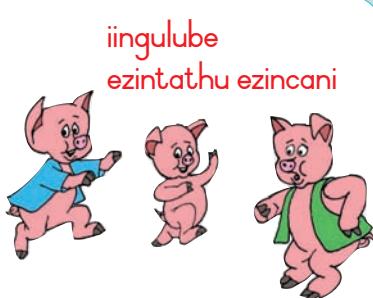
Zoke iinyamazana zineenyawo ezine.



amakhondlo
amathathu angaboniko



amabhore amathathu
amancani



iingulube
ezintathu ezincani

Lithini inani loke leenyawo
esithombeni?



Qala isithombe bese uqedelela okulandelako:

<input type="text"/>	\times	<input type="text"/>	$=$	<input type="text"/>
Inani lamakhondlo	Iinyawo isilwana ngasinye			



<input type="text"/>	\times	<input type="text"/>	$=$	<input type="text"/>
Inani lamakhondlo	Iindlebe inyamazana ngayinye			



Qedeleta okulandelako:

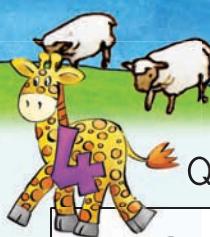
3	6	9							
---	---	---	--	--	--	--	--	--	--

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:

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

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

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

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

$$= 30 + 9$$

$$= 39$$



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

$$\begin{array}{r} 1 \quad 0 \\ + \quad 5 \\ \hline \end{array} \times 3$$

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

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

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

$$= \boxed{}$$



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



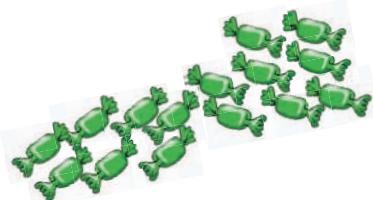
Qedelela lokhu:



Yabela abentwana aba-2 itjhokoledi ngokulingana.



Yabela abentwana aba-3 amathofî ali-15 ngokulingana.



Omunye nomunye ufunyana

Omunye nomunye ufunyana



Gwala iinthombe ukuze utjengise iimpendulo zakho.

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

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

Omunye nomunye ufunyana

Omunye nomunye ufunyana





Ukubuyabuyelela okuvangileko

Qala lokhu okulandelako, ubona ini?

$$5 + 5 + 5 = 15$$



Oku-3 okunengi
ka-5 = 15



Amabuthelelo
ama-3 wangaku-5 = 15

Oku-3 okubuyabuyelelwé ka-5 = 15

$$3 \times 5 = 15$$

$$5 \times 3 = 15$$



Qedelela itheyibula elingenzasi. Isibonelo ngiso esizokuhlahla.

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



Ungenza masinya kangangani ukuqedelela lokhu?

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

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



Phendula imibuzo elandelako.
Khujini:

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



Zaliselela ngenomboro.

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

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



115



Okhunye ukubuyabuyeleta

Ilanga:

Ithemu 4

Qala isibonelo.



Yini
ukubuyabuyeleta.

25 – 10 – 2013	
$4 \times 2 =$	8
$3 \times 4 =$	12
$4 \times 5 =$	20
$2 \times 6 =$	12
Uyini umphumela waku-2 nawumbuyelela kali-7.	

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

Qedeleta:

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

Sebenzisa indlela yakho ukunikela umphumela.

12×2

16×2

Qedeleta:

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

Sebenzisa indlela yakho ukunikela.

13×3

15×3



Qedeleta:

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

Sebenzisa indlela yakho ukunikela umphumela.

$$11 \times 4$$

$$14 \times 4$$

Qedeleta:

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

Sebenzisa indlela yakho ukunikela umphumela.

$$12 \times 5$$

$$16 \times 5$$



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

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



Iiba



Amalanga weveke

Lungisa amaledere wamalanga weveke.

NEBGELSILII

NSGOEDNO

MONOUVLG

GTLHESAITHUNE

ENESGEINL

LNQGEOMGIBO

HNIALESGLNEU



Qedelela ngamalanga atlhayelako:

NgoMvulo		Ngelesithathu	
NgeSondo		NgeLesibili	



Tlola amalanga weveke.

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



Malanga amangaki ukusuka:

NgoMvulo ukuya ngeLesine? _____

NgeLesibili ukufika ngeLesihlanu? _____

NgeLesine ukufika ngoMgqibelo? _____

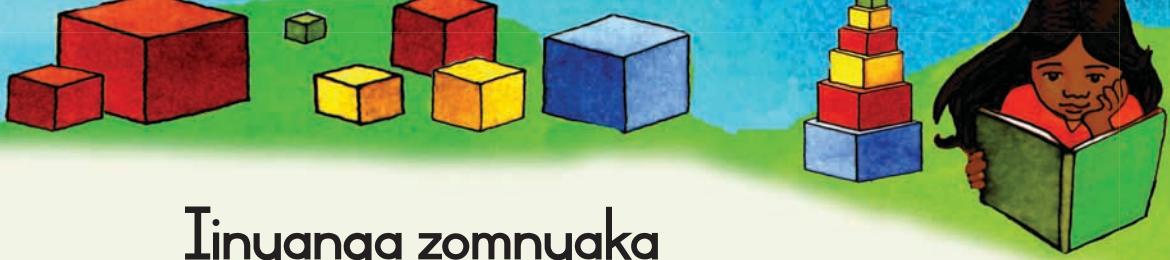


Kunamalanga amangaki hlangana:

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	UFebherwari	UMatjhi	U-Apreli
3I			
UMeyi	UJuni	UJulayi	U-Arhosi
USeptemba	U-Oktoba	UNovemba	UDisemba



Zalisa ngenyanga enembako.

Khumbula kobana
amabizo weenyanga kumele
athome ngegabhadlhela.



Ngiyiphi inyanga eza ngaphambi kwakaMatjhi? _____

Ngiyiphi inyanga eza ngemva kwakaJuni? _____



Nangabe nguJulayi, ziinyanga ezingaki ngaphambi ko:

USeptemba? _____

Kwelanga lakho lamabeletho? _____



Teacher: _____
Sign: _____
Date: _____

Iib



Amalanga, iimveke kanye neenyanga

Ithemu 4

UDisemba 2015

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



Qala ikhalenda bese uphendula imibuzo:

Ilanga lamhla ali-01 kuDisemba lingelesingaki? _____

Ilanga lamhla ali-15 kuDisemba lingelesingaki? _____

Ilanga lamhla ama-24 kuDisemba lingelesingaki? _____

Ilanga lamhla ali-12 kuDisemba lingelesingaki? _____



Phendula imibuzo elandelako:

Inyanga yakaDisemba inamalanga amangaki? _____

Inyanga yakaDisemba ineemveke ezingaki? _____

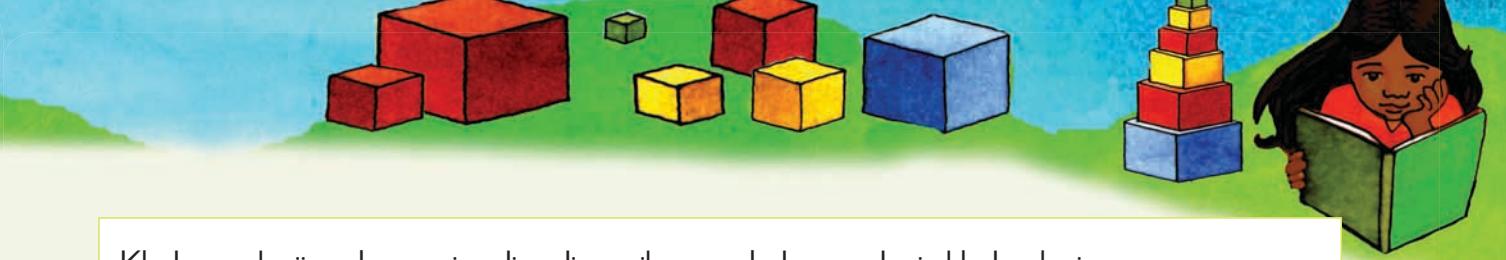
Iveke inamalanga amangaki? _____

Iinkolo zivalwa nini ngenyanga yakaDisemba? _____

Kwenzekani ngelanga lamhla ama-25 kuDisemba? _____

Kwenzekani mhla amalanga ama-31 kuDisemba? _____

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



Khalara zoke iinomboro ezingalingalinganiko ngombala osarulani ekhalendeni.

Ngikuphi okutshwayako? _____

Khalara zoke iinomboro ezilingalinganako ekhalendeni ngombala obovu.

Ngikuphi okutshwayako? _____



Qedelela ikhalenda. zalisa umnyaka kanye namalanga (idadamu).

Ngo-Apreli _____

USondo	UMvulo	ULesibili	ULesithathu	ULesine	ULesihlanu	UMgqibelo
						
						
						
						
						



Ngiliphi ilanga kanye nedadamu?

	Idadamu	Ilanga
		
		
		
		
		
		
		



Malanga amangaki ukusuka:

	Ukfika ku:		
	Ukfika ku:		
	Ukfika ku:		
	Ukfika ku:		



Teacher:
Sign:
Date:

117



Amanye amaphetheni weenomboro

Ithemu 4

Hlathulula enye nenyе iphetheni ebbodini.

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



Qedelela iphetheni.

I	(2)	3	(4)	5	(6)	7	(8)	9	(10)
II	(12)	I3	(14)	(15)	(16)	I7	(18)	I9	(20)
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
I01	I02	I03	I04	I05	I06	I07	I08	I09	I10
III	II2	II3	II4	II5	II6	II7	II8	II9	I20
I21	I22	I23	I24	I25	I26	I27	I28	I29	I30
I31	I32	I33	I34	I35	I36	I37	I38	I39	I40
I41	I42	I43	I44	I45	I46	I47	I48	I49	I50
I51	I52	I53	I54	I55	I56	I57	I58	I59	I60
I61	I62	I63	I64	I65	I66	I67	I68	I69	I70
I71	I72	I73	I74	I75	I76	I77	I78	I79	I80
I81	I82	I83	I84	I85	I86	I87	I88	I89	I90
I91	I92	I93	I94	I95	I96	I97	I98	I99	I200



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

4

lingalingani lingalingana

26

lingalingani lingalingana

19

lingalingani lingalingana

20

lingalingani ling
alingana

21

lingalingani lingalingana

18

lingalingani lingalingana



Zalisa iinomboro ezitlhayelako ukuqedelela iphetheni ebuyeletweko.

33, 39, 33, , 33, 39, 33, 3996, 74, 96, 74, 96, 74, 96, 38, 45, 38, 45, , 4549, 5, 46, 20, 49, 5, , 20, 49, 5, 46, 20, 49, 5, 46, 78, 21, II, 78, 21, II, 78, 21, II

Gwala iinomboro ngombala
ukukusiza kobana urarulule
isibalo.



Zalisa iinomboro ezitlhayelako ukuqedelela iphetheni ebuyeletweko.

55, 21, I9, 63, 55, 55, 21, I9, 63, 55, 21, I9, 63, 55, 21, I9, I8, 28, 36, I8, 28, 36, I8, 28, 36, I8, 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: _____

II

I2

I3

I4

I5

I6

I7

I8

I9

20



Ukwabelana ngokulingana bekufike emacezwini

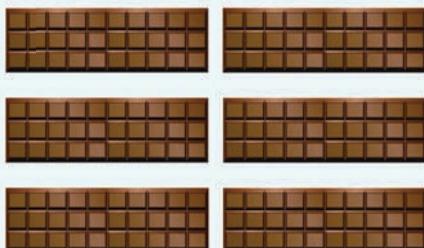
Ilanga:



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



Kwanjesi yabela abentwana abathathu iintinyana zamatjhokoledi ezi-6.



Tjengisa ipendulo yakho ngokwenza umgwalo ngenzasi.



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



Umntwana ngamunye uthola ingcenyeye eyodwa yakuthathu yetjhokoledi.

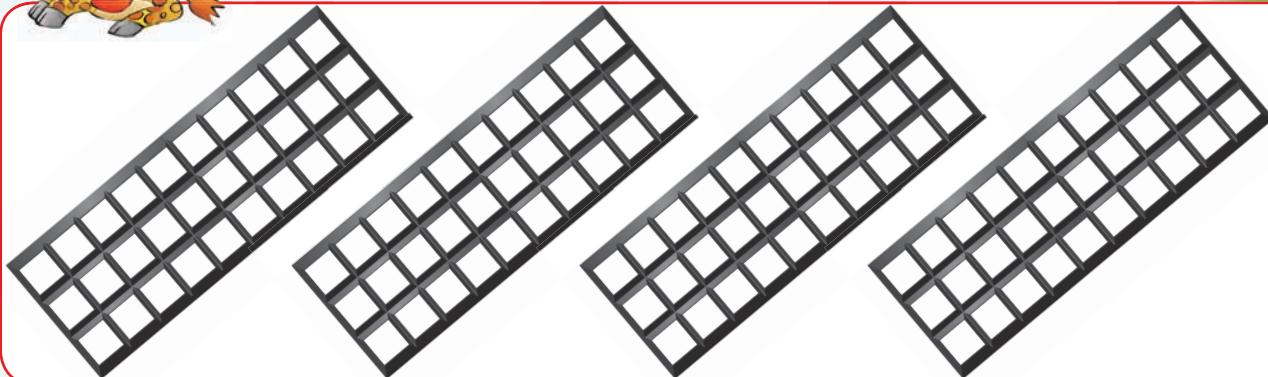
Tjengisa ipendulo yakho ngokugwala umgwalo ngenzasi.

Umntwana munye uzokuthola _____

Yamakhkhana wangeenkomitjini.



Khalara ingcenyey eyodwa yekota ematjhokoledini amane la.



Mabhlogo amangaki wamatjhokoledi enza ikota? _____

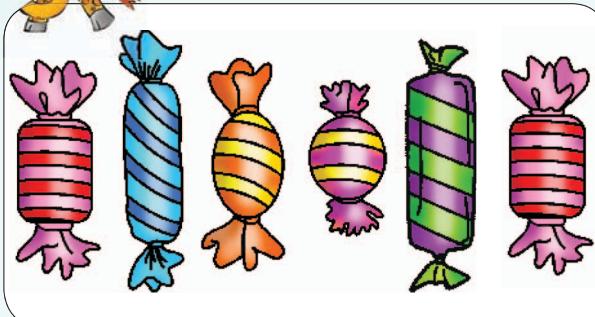
Mabhlogo amangaki wamatjhokoledi enza ingcenyey eyodwa yokwesihlanu? _____



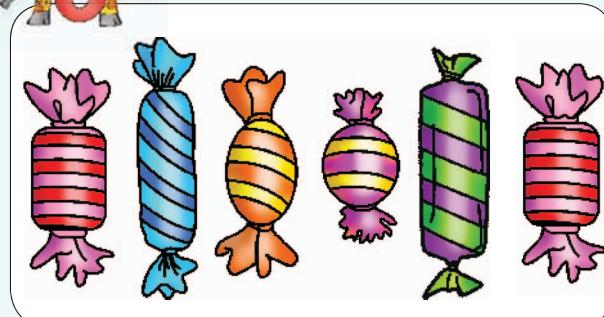
Tjengisa ihafu eyodwa yalokhu okulandelako.



Tjengisa ingcenyey eyodwa yecezu lokwesithathu yamaswidi



Tjengisa ingcenyey eyodwa yecezu lokwesithandathu yamaswidi.

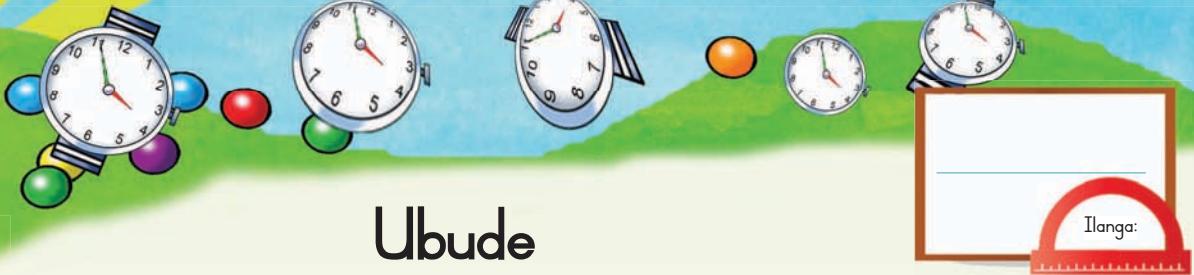


Yabela abangani abane amacezu wetjhokoledi ali-II ukuze bathole boke ngokulinganako boke kungasali litho.



Teacher:
Sign:
Date:

||q



Ubude



Ngiliphi ihlangothi lakanazine elifitjhani khulu? Elide khulu?

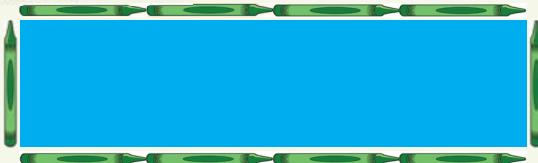


Ihlangothi elide li _____ amakhrayoni.

Ihlangothi elifitjhani li _____ amakhrayoni.

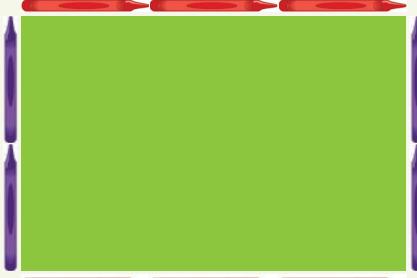


Phendula okulanelako.



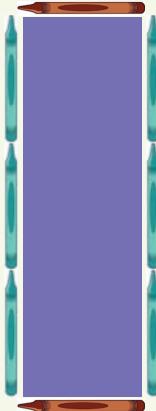
Ihlangothi elide li _____ amakhrayoni.

Ihlangothi elifitjhani li _____ amakhrayoni.



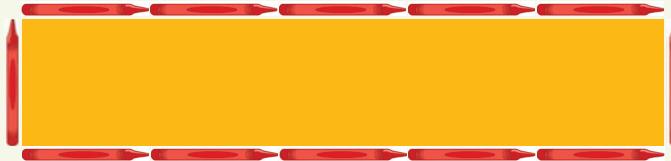
Ihlangothi elide li _____ amakhrayoni.

Ihlangothi elifitjhani li _____ amakhrayoni.



Ihlangothi elide li _____ amakhrayoni.

Ihlangothi elifitjhani li _____ amakhrayoni.

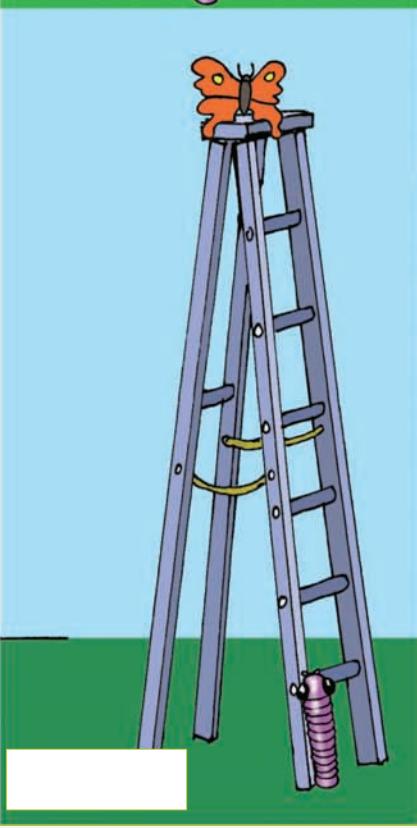
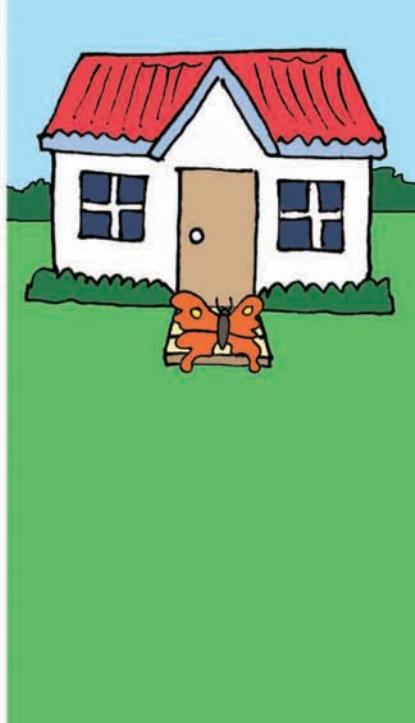
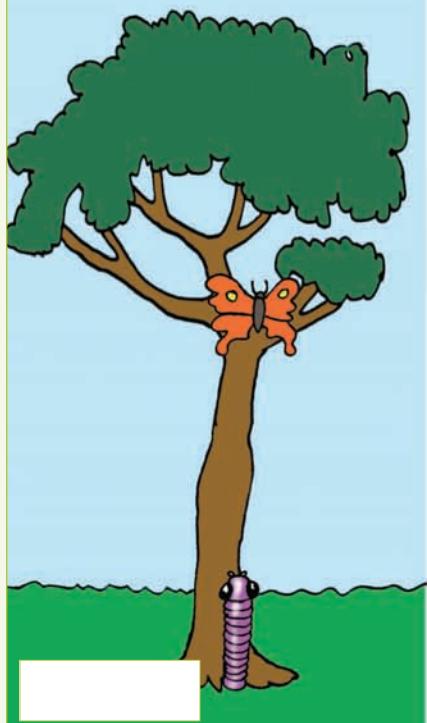


Ihlangothi elide li _____ amakhrayoni.

Ihlangothi elifitjhani li _____ amakhrayoni.



Kuzokuthatha iimbungu ezingaki ukufika eviyaviyaneni?



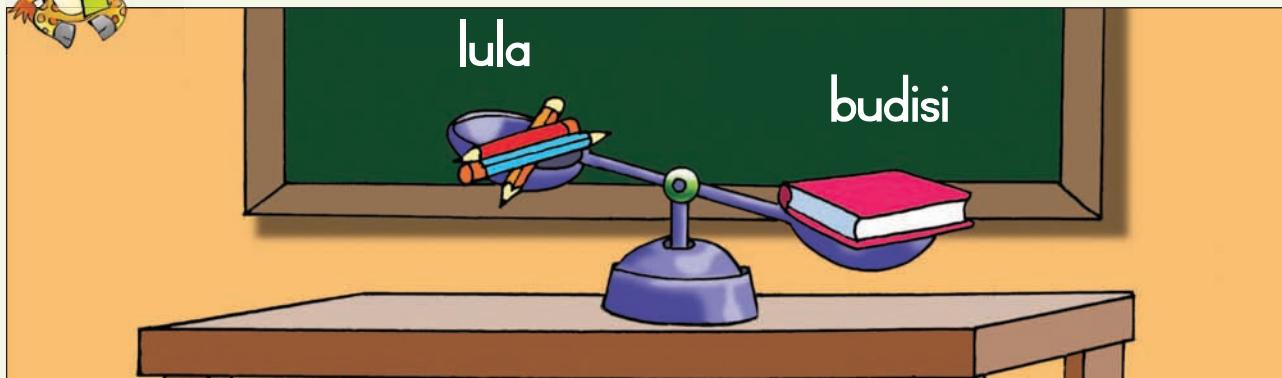
Teacher:
Sign:
Date:



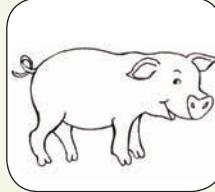
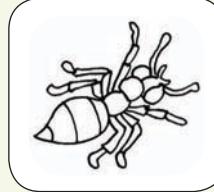
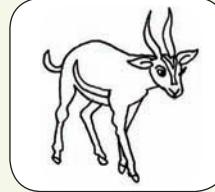
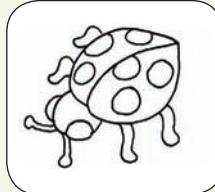
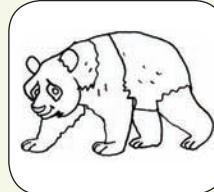
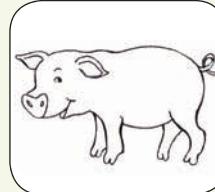
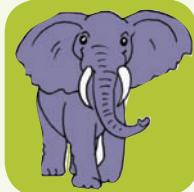
Okubudisi nokulula

Ilanga:

Kutjho ukuthini ukuba budisi nokubalula?



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



Qala isithombe.

Thola iinthombe zezinto ezihlanu ezibudisi. zinamathisele lapha.



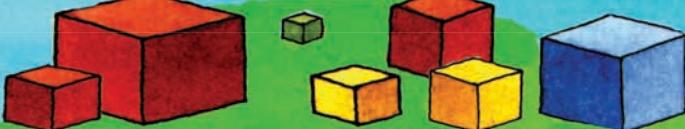
Qala isithombe.

Thola iinthombe zezinto ezihlanu ezilula. zinamathisele lapha.

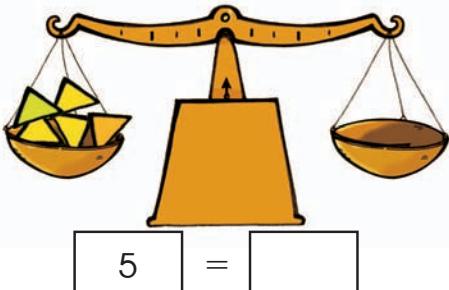




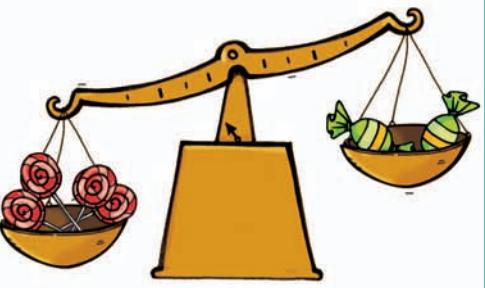
Yitjho nangabe iinkala zokulinganisa ziyingana nanyana azilingani.



Yenza kobana iinkala zokulinganisa zilingane. Gwala ngaphakathi kweenkali ezinganalitho.



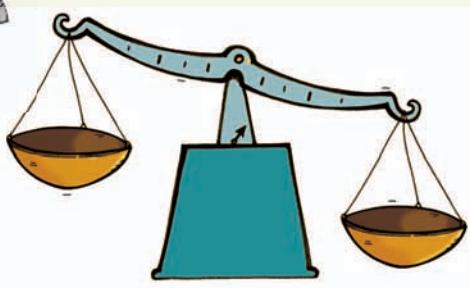
$$5 = \boxed{}$$



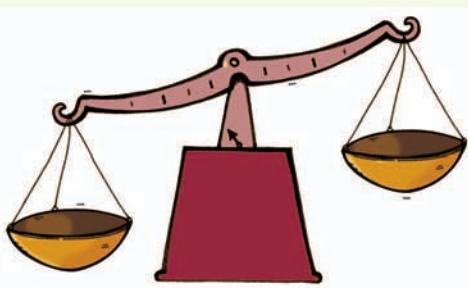
$$\boxed{} = \boxed{}$$



Gwala imigwalo ukwenza iinkala zokulinganisa zibeliqiniso.



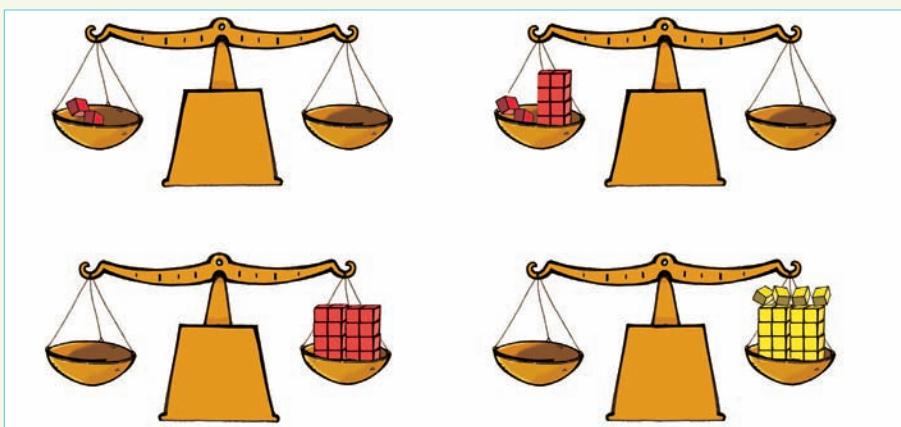
$$\boxed{} = \boxed{}$$



$$\boxed{} = \boxed{}$$



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



Teacher: _____
Sign: _____
Date: _____



Ukwabelana ngokulingana bekufike emacezwini

Ilanga:

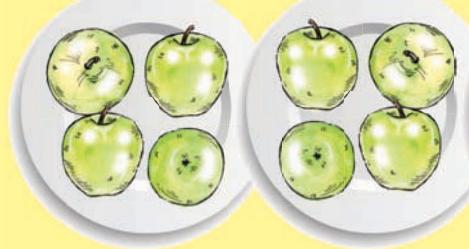
Yabelana nabangani abathathu ama-apula la.



Munye ufunyana ama-apula amangaki?

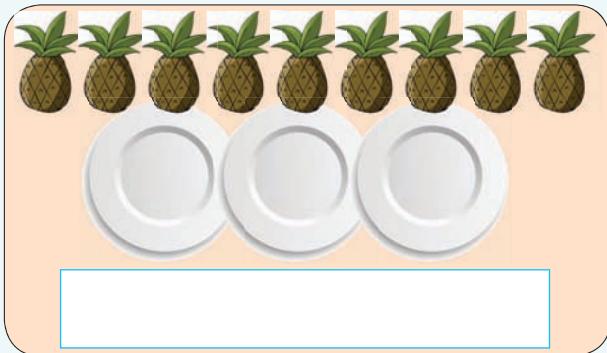
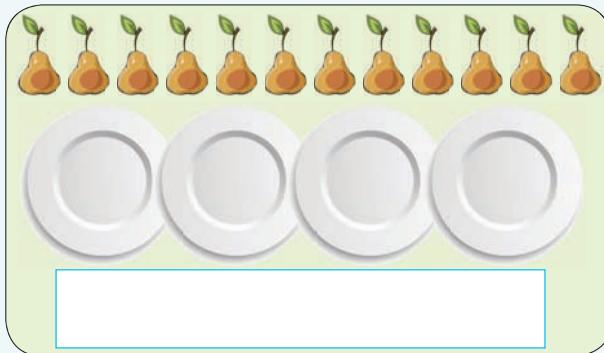
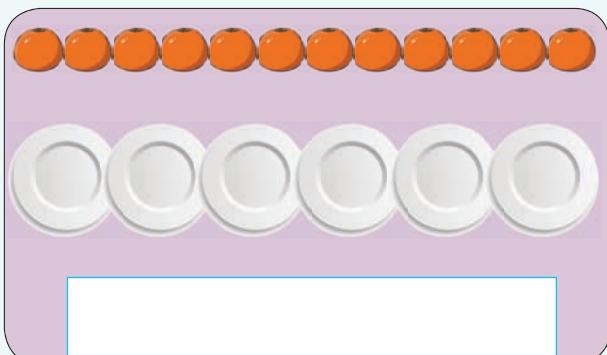
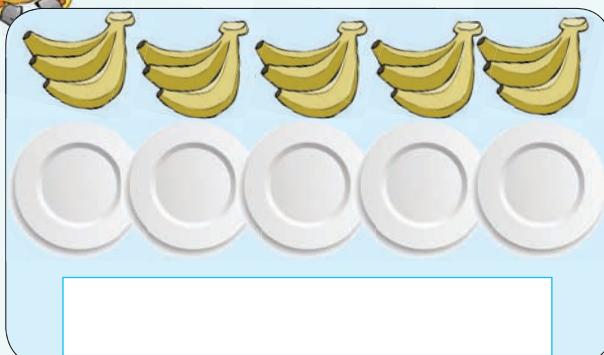
Amane

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



Qala isibonelo ngehla bese uphendula imibuzo elandelako.

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



Ugogo unikela uKiki amalamune ali-I2. UKiki wenza ijuzi
ngengcenyeye eyodwa yesithathu yamalamune.
Usebenzise amalamune amangaki?



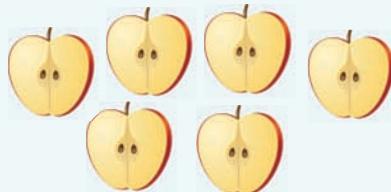


Ama-apula amathathu



asikwe phakathi abayihafu.

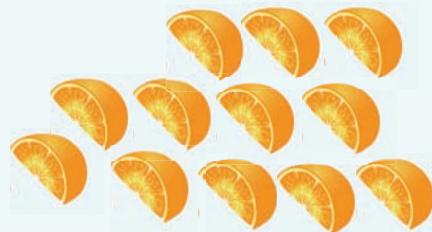
Bentwana abangaki ngamunye ongafunyana ihafu
eyodwa? _____



Amalamune amane



asikwe aba ziingcezi zokwesithathu.



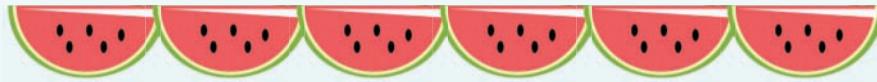
Bentwana abangaki abangathola incenye yinye yakuthathu?



Amakhabe amabili



asikwe aba ziingcezu zokwesithandathu.



Bentwana abangaki abangafunyana icezu elilodwa lokwesithandathu? _____



Umbanduli wenetbholo unikela umdlali ngamunye ihafu yelamune.

Kunabadlali aba-14. Utlhoga amalamune amangaki? _____



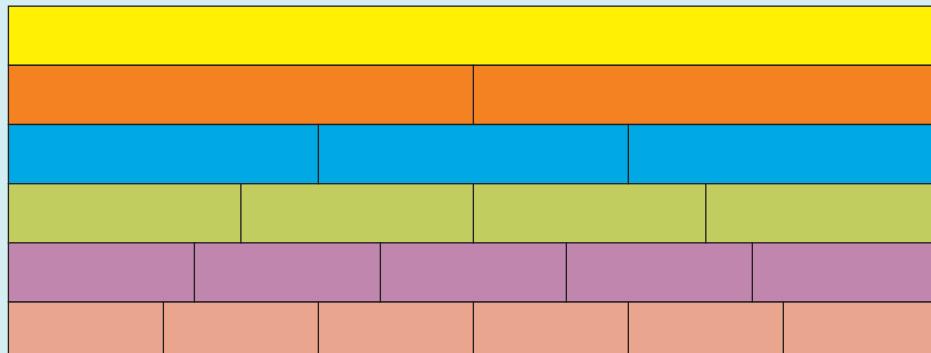
Teacher: _____
 Sign: _____
 Date: _____



Amacezu

Ilanga:

Umtletlana ngamunye utjho ukuthini? Amagama angesidleni angakusiza.



ingcenyeyodwa
yokwesithathu

ingcenyeyodwa
yokwesihlanu

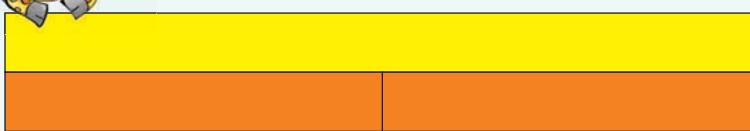
ihafu

ikota

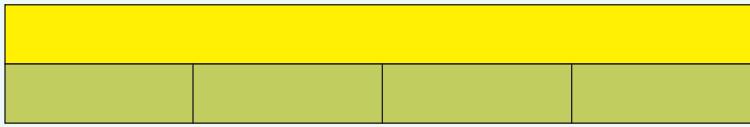
ingcenyeyodwa
yokwesithandathu



Qedeleta lokhu okulandelako.



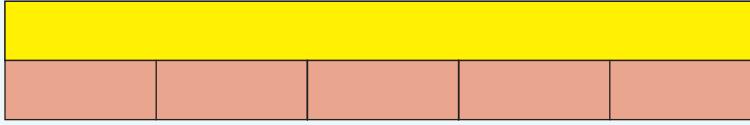
Abohafu aba-2 bafana _____
okupheleleko.



Amakota ama-4 afana _____
okupheleleko.



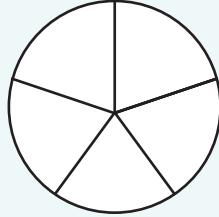
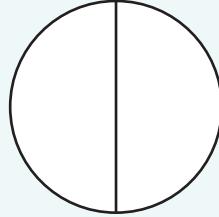
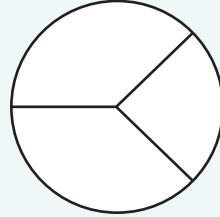
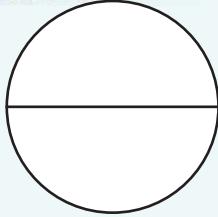
Iingcenyeyodwa zokwesithathu
ziyafana _____ okupheleleko.

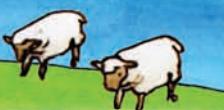


Iingcenyeyodwa zokwesihlanu ziyafana
_____ okupheleleko.

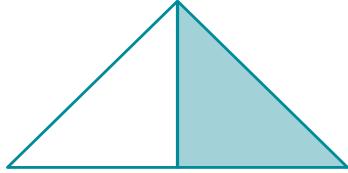


Khalara lokhu okulandelako. Ngikuphi okuyeletlako?

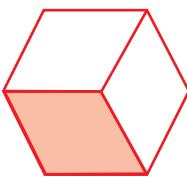




Yitjho kobana ubujamo ngabunye
obufiphaziweko bulicezu liphilobujamo. Tlola ngamagama.



ihafu



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

ingcenyeyodwa
yokwesithathu

ihafu

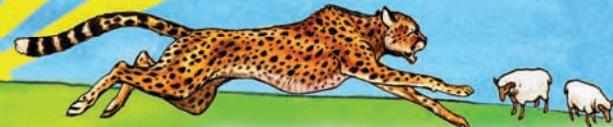
ikota

ingcenyeyodwa
yokwesihlanu

Buza umma wakho nanyana umtlhogomeli wakho kobana yena uyokuthenga ini:

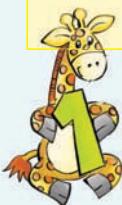
- Ihafu eyodwa:
- Ingcenyeyodwa yokwesithathu:
- Ikota eyodwa/Ingcenyeyodwa yokwesine:
- Ingcenyeyodwa yokwesithandathu:





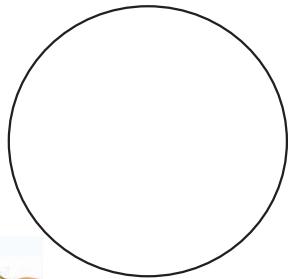
Okunengi ngamacezu

Wena ungakhetha icezu kiliphi ikhekhe? Kubayini

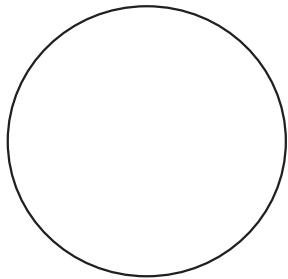


Umngani wakho ukubawe bonyana uhlukanise ipitsa ngamacezu alinganako. Yenza umgwalo ukuze utjengise yinye.

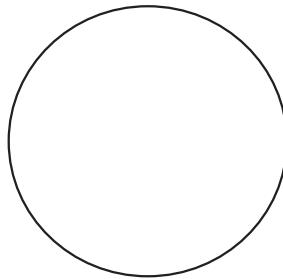
Abohafu



Okukodwa kokuthathu



Amakota



Thika ipendulo enembako.

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

- Ingcenyeyodwah yehafu yepizza nanyana
- ipizzayodwah ephelialeko?

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

- Ingcenyeyodwah yokwesithathu yepizza nanyana
- ipizza ephelialeko?

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

- Ikota eyodwah nanyana
- amakota amane?

Phendula imibuzo elandelako:

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



Isiqhema ngasinye
sabangani sithola ipakana
encani yamajeli tots.



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



Khalara icezu elifana patsi nokukodwa okupheleleko.

Amakota amane

Iingceny
eyodwa yokwesithathu

Iingceny
ezimbili zamakota

Ihafu eyodwa

Iingceny
ezintathu zamakota

Ikota eyodwa

Abohafu ababili

Iingceny
eyodwa yokwesithathu

Iingceny
ezimbili zakwesihlanu

Iingceny
ezimbili zokwesihlanu

Iingceny
ezimbili zokwesithathu

Iingceny
ezintathu zokwesihlanu

Iingceny
ezihlanu zakwesihlanu

Iingceny
ezine zokwesihlanu

Iingceny
ezintathu zakwesithathu

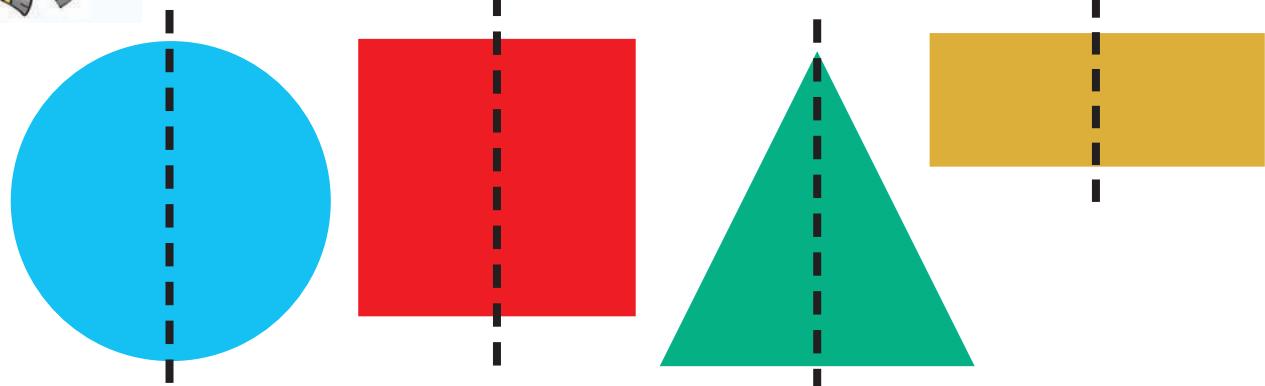
Wena ungakhetha ini? Iingceny
ezine zamakota wetjhokoledi nanyana iingceny
eyodwa epheleleko yetjhokoledi. Kubayini?



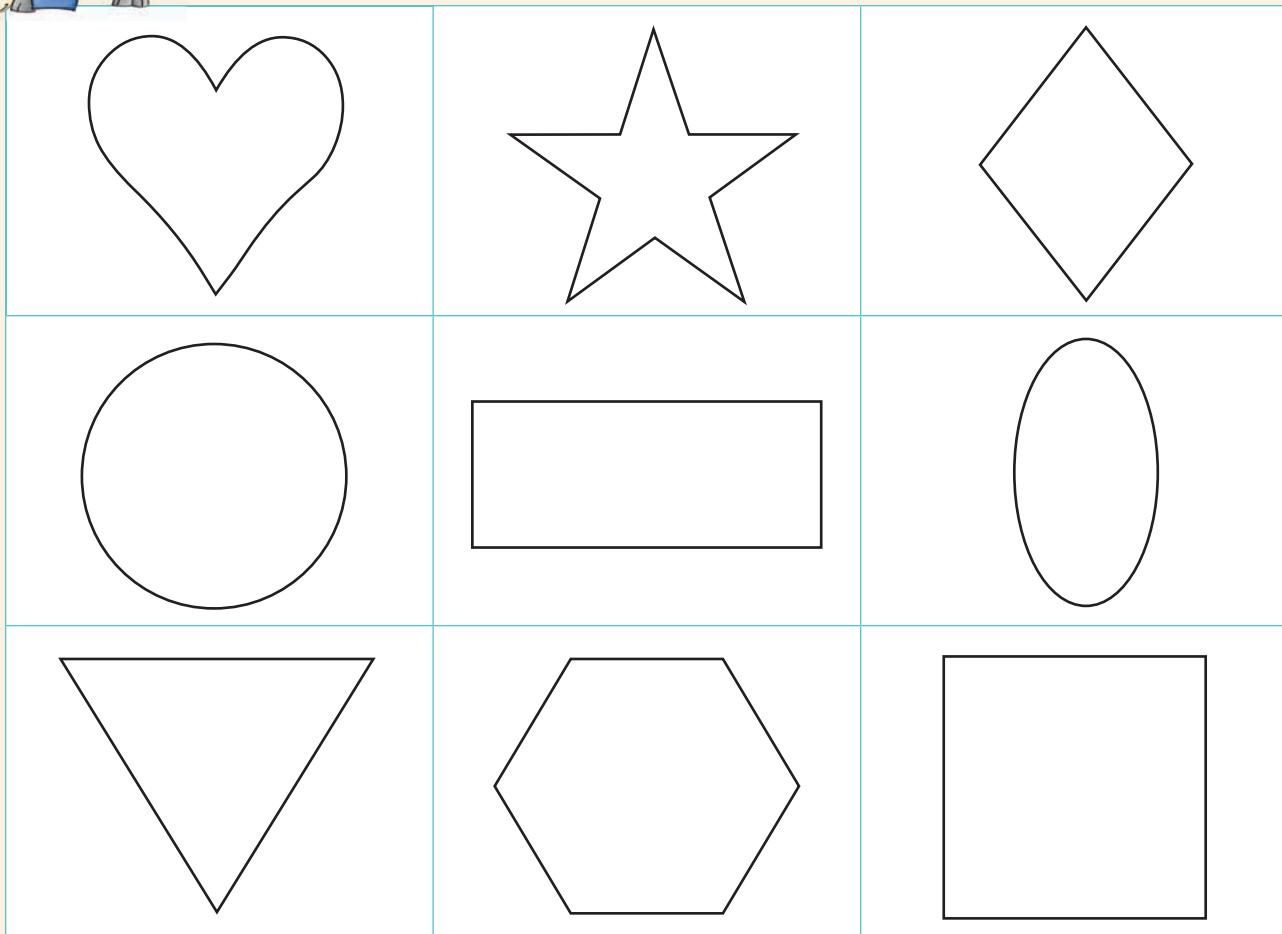
Teacher: _____
Sign: _____
Date: _____



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

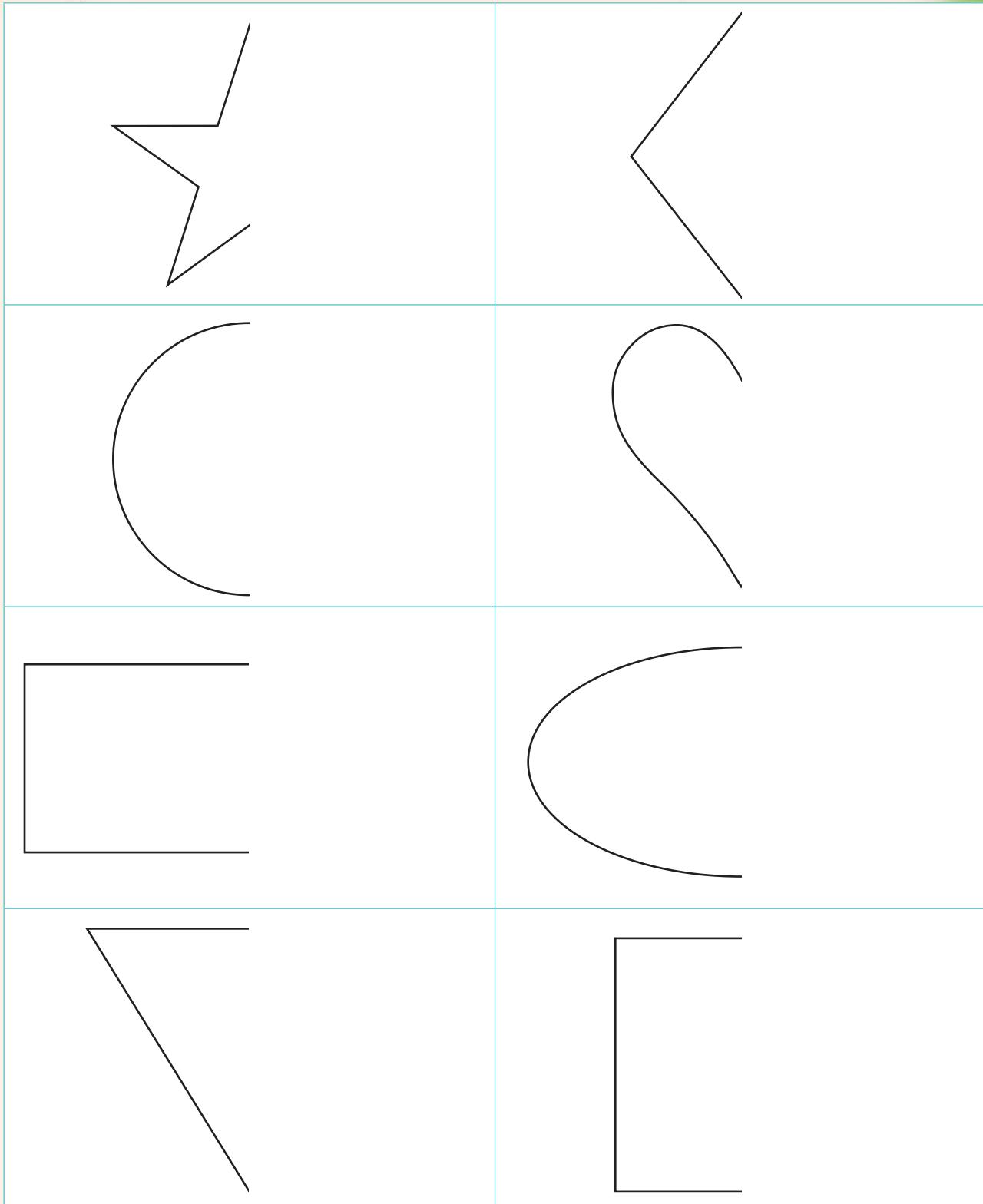


Gwala umuda ukuze elinye ihlangothi lilingane nelinye.





Gwala elinye ihangothi lejamo leli.



Teacher:
Sign:
Date:



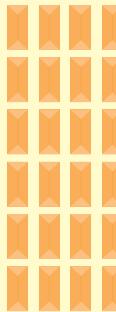
Ukuhlela kanye namacezu

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

Le yikholomu.



Lo mumuda.



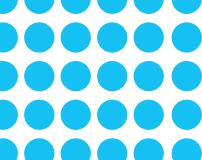
Uwasebenzise njani amakholomu kanye nemida ukukusiza?



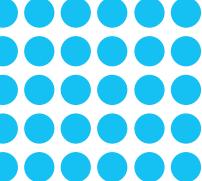
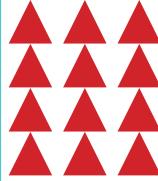
Kunamabumbeko amangaki lapho? Iyini ingcenyeye eyodwa yehafu emabumbekweni?



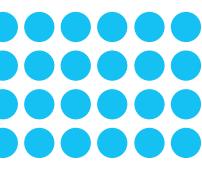
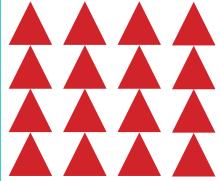
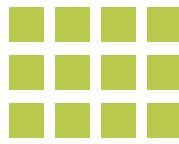
6
3



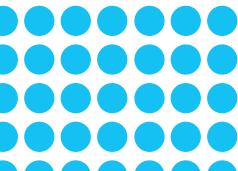
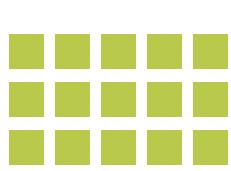
Kunamabumbeko amangaki lapho? Iyini ingcenyeye yokwesithathu yamabumbeko?



Kunamabumbeko amangaki lapho? Iyini ingcenyeye eyodwa yekota yamabumbeko?



Kunamabumbeko amangaki lapho? Iyini ingcenyeye eyodwa yokwesihlanu yamabumbeko?





Qedeleta itheyibula elingenza.

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? Ingcenyeye eyodwa yokwesihlanu yezinto?

Sebenzisa ukuhlela ukutjengisa:



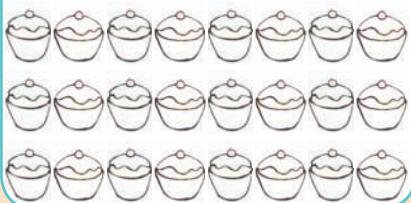
Ikota eyodwa
yamaswidi ali-12.

Ingcenyeye eyodwa
yokwesithathu yamaswidi ali-12

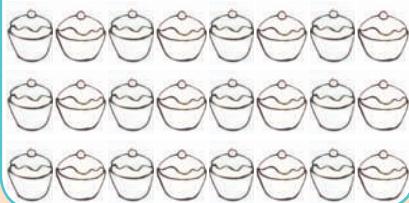
Ihafu yamaswidi ali-12

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

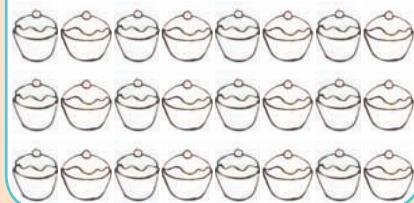
Ihafu eyodwa yesitrowubheri bese
kuthi ingcenyeye esepleko yoke kube
yivanila.



Ikota eyodwa yetjhokoledi
bese kuthi ingcenyeye
esepleko yoke kube yivanila.



Ingcenyeye eyodwa yokwesithathu
yekharameli bese kuthi ingcenyeye
esepleko yoke kube yivanila



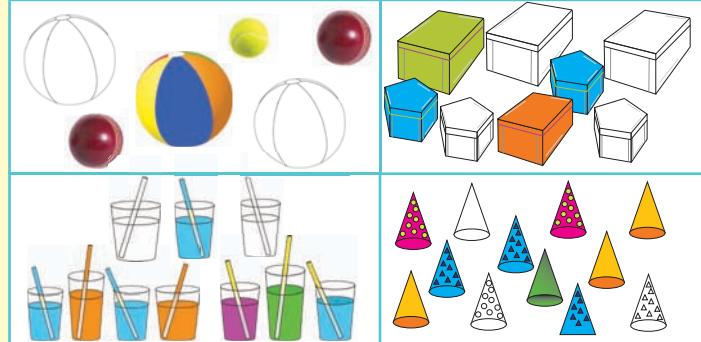
Teacher:
Sign:
Date:



Icezu ngezinto ezibuthelelweko

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

Ihafu eyodwa yezinto ezibuthelelweko



Ingcenyeyodwa yokwesithathu yezinto ezibuthelelweko

Ikota eyodwa yezinto ezibuthelelweko

Ingcenyeyodwa yokwesihlanu yezinto ezibuthelelweko



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





Rarulula umraro wamagama. Umma unamanani ehlisiweko...

Unamarhembe ali-15. Uthengise ma-5.

Uthengise liphi icezu?

Thalela ipendulo.

Ngiziphi iinomboro eziqakathekileko? _____

Gwala isithombe utjengise ipendulo yakho.

Bekanamajezi ali-18. Uthengise ali-9.

Uthengise liphi icezu?

Thalela ipendulo.

Ngiziphi iinomboro eziqakathekileko? _____

Gwala isithombe utjengise ipendulo yakho.

Uneenkhetha ezili-12. Uthengise ezi-3.

Uthengise liphi icezu?

Thalela ipendulo.

Ngiziphi iinomboro eziqakathekileko? _____

Gwala isithombe utjengise ipendulo yakho.

Uneembaji ezi-20. Uthengisa ezi-4.

Uthengise liphi icezu?

Thalela ipendulo.

Ngiziphi iinomboro eziqakathekileko? _____



Ngiliphi icezu elisemakhkheni wangeenkomitjini ane-ayisingi yebbanana? _____

I-ayisinghi yestrowubheri? _____ I-ayisinghi yebhabulgamu? _____



Teacher:
Sign:
Date:

127



Ukufana

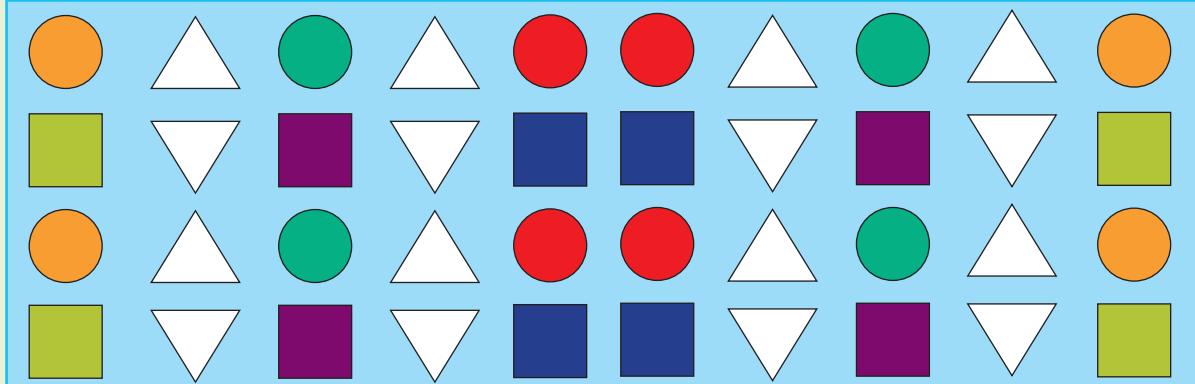
mahlangothi woke kumaphethini

Ithemu 4

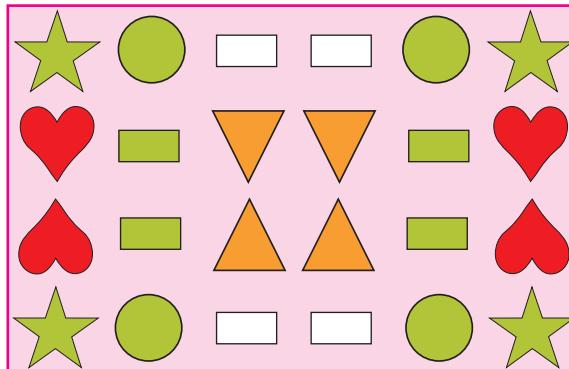
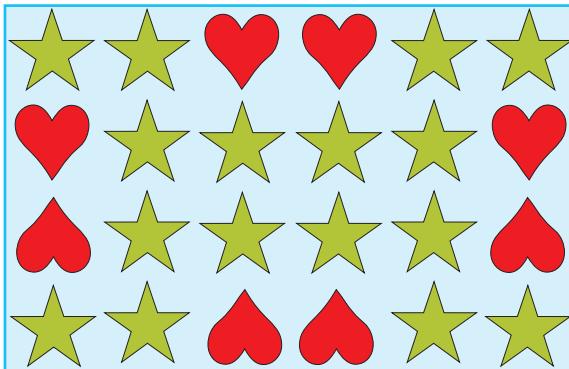
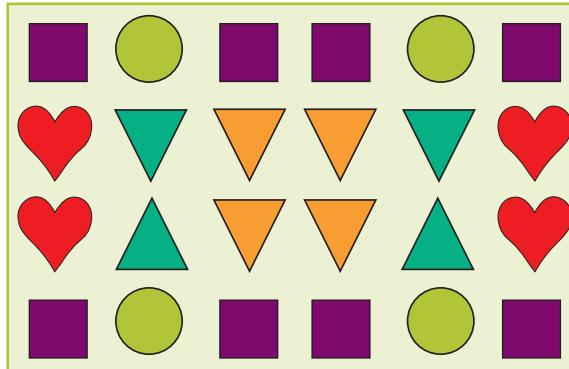
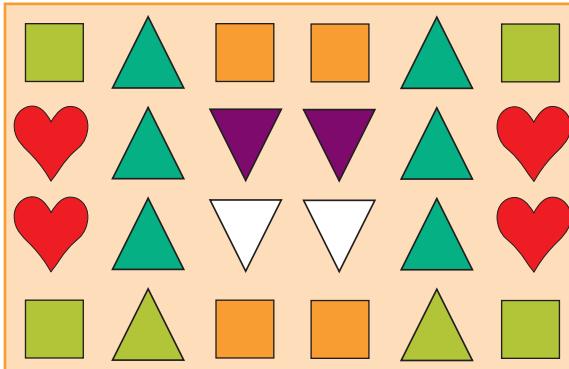


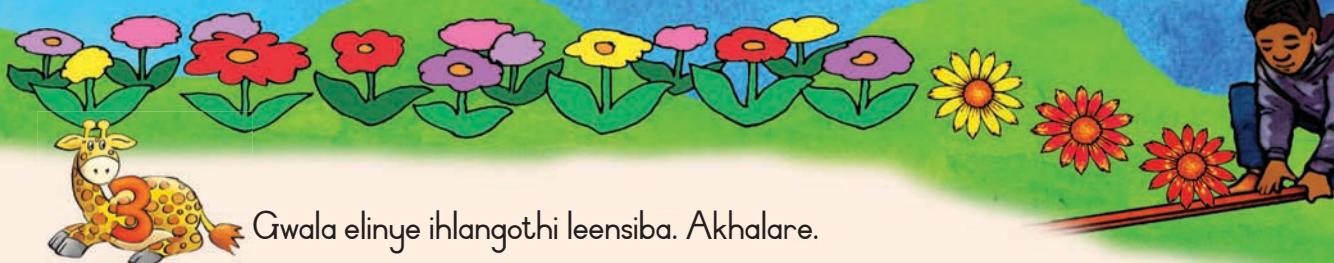
Qala iinthombe zeensiba. Ngikuphi okubonako?

Ilanga:

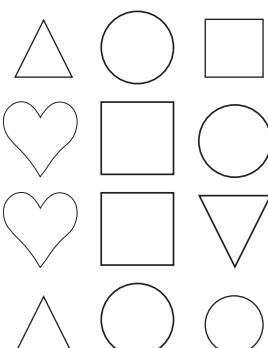
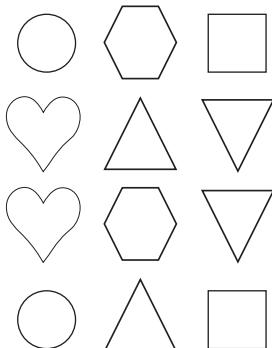
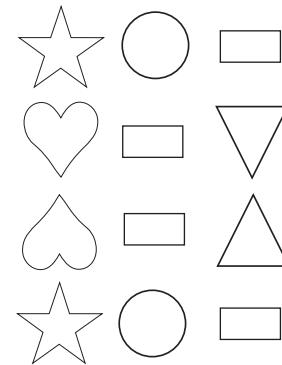
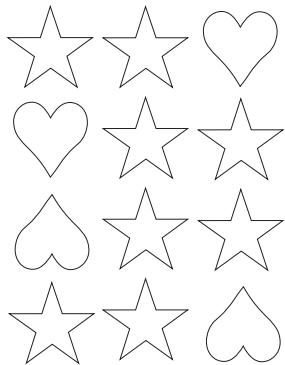
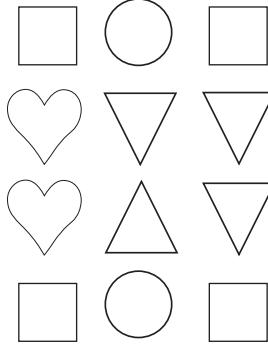
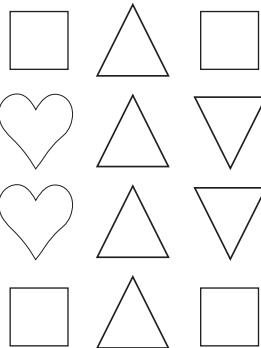


Gwala umuda ukuze elinye nelinye ihlangothi leensiba lezi lifane nelinye.





Gwala elinye ihlangothi leensiba. Akhalare.



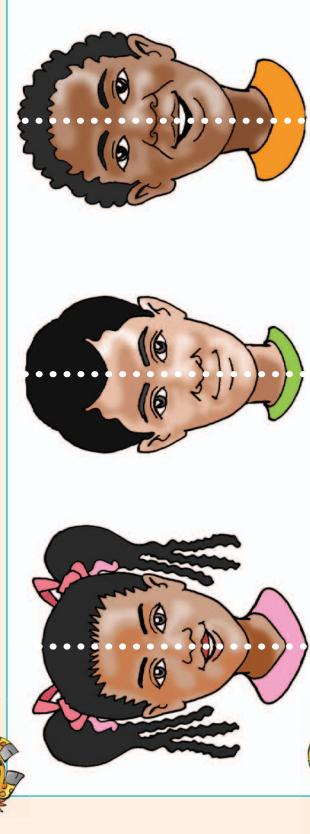
Teacher:
Sign:
Date:

Okhunye ukubandeka-bulingana

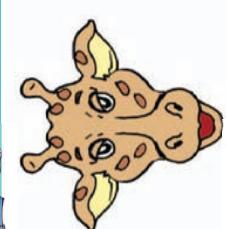
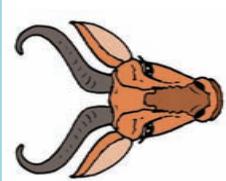
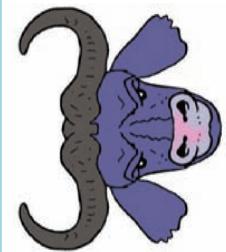
Qala iinthombe zobuso.
Ingabe ihlangothi lobuso ifana nelinye ihlangothi?



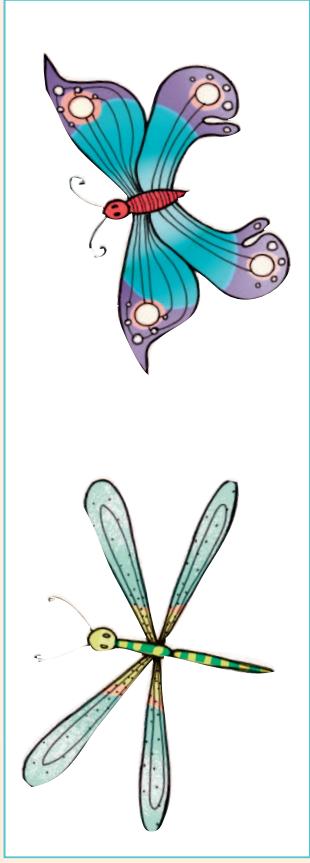
Qala iinthombe zamqamo. Ingabe ihlangothi lobondakalifana namanye amahlangothi? Ingabe ayafana mahlangothi wote?



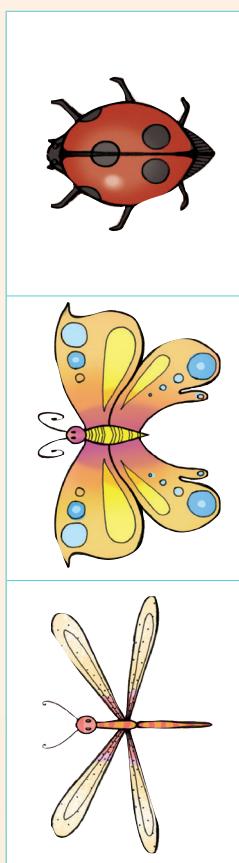
Gwala umuda ukuze amihlangothi lobuso iphat henri yeenomboro izokusiza.



Gwala elinye ihlangothi lobuso iphat henri yeenomboro izokusiza.



Gwala umuda ukuze ihlangothi ellidwa lenunwana ifana nelinye.



Gwala elinye ihlangothi leenunwana.

