

MATHEMATICS IN XHOSA  
GRADE 3 – BOOK 1  
TERMS 1 & 2  
ISBN 978-1-4315-0006-2

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8th Edition

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**Ukufunda ngoMgaqo-siseko weRiphablikhi yoMzantsi Afrika (1996)**  
Umgaqo-siseko weli loMzantsi Afrika (1996) uqulethe eyona mitetho yongameleyo yeli lizwe. Le mitetho ingaphezulu komongameli welizwe, ngaphezulu kweenkundla zamatala nangaphezulu kukarhumente.  
Le mitetho ichaza indlela abemi beli lizwe abafanele ukupathana ngayo, nokuba ayintoni amalungelo noxanduva lwabo omnye komnye. Umgaqo-siseko welizwe ukho ukze usikhusele ngalo mzuzu kwaye ukhusele nabantwana bethu kwixesha elizayo.

**Masiyazi imvelaphi yethu.**      **Masingaphindi iimpazamo zexesha elidilulileyo.**      **Umgaqo-siseko wethu uyasicenda ukuze sakhe ingomso eling cono lomntu wonke.**

Thina, bantu boMzantsi Afrika,  
Siyaziqonda iimeko zolwaphulo-bulungisa zamaxesha ethu adlulileyo;  
Sibanika imbeko abo beva ubunzima bebulalekela ubulungisa  
nenkululeko elizweni lethu;  
Siyabahlonela abo bathi basebenzela ukwakha nokuphulisa ilizwe lethu; kwaye  
Sikholelwu ekubeni uMzantsi Afrika ngowethu sisonke thina sihlala kuwo, simanyene  
nangan siziintlobo ngeentlobo.

Thina ke ngoko, ngabameli bethu abanyulwe ngokukhululekileyo, siyawuvuma lo  
mGaqo-siseko ukuba ungowona mthetho wongameleyo weRiphablikhi ukuze—  
Ungcibe udibanise izantlukwano zangaphambili uze wakhe uluntu olusekwe  
kwizithethe ezixabisekileyo zedemokhrasi, ubulungisa kwezentlalo namalungelo  
abantu asisiseko;

Wenze isiseko soluntu oluphila ngendlela yedemokhrasi nolwenza izinto elubala  
apho urhulumente asekwelwe kwintando yabantu nalapho wonke ummi ekhuselwe  
ngokulinganayo ngumthetho;

Uphucule ixabiso lokuphila kwabo bonke abemi, uze uvumele ukusebenza  
kwesakhono somntu ngamnye; kanjalo

Wakhe uMzantsi Afrika omanyeneyo nonedemokhrasi onakho ukuthabatha  
indawo yayo efanelekileyo njengelizwe elinobunganga kusapho lwevizwe  
ngezizwe.

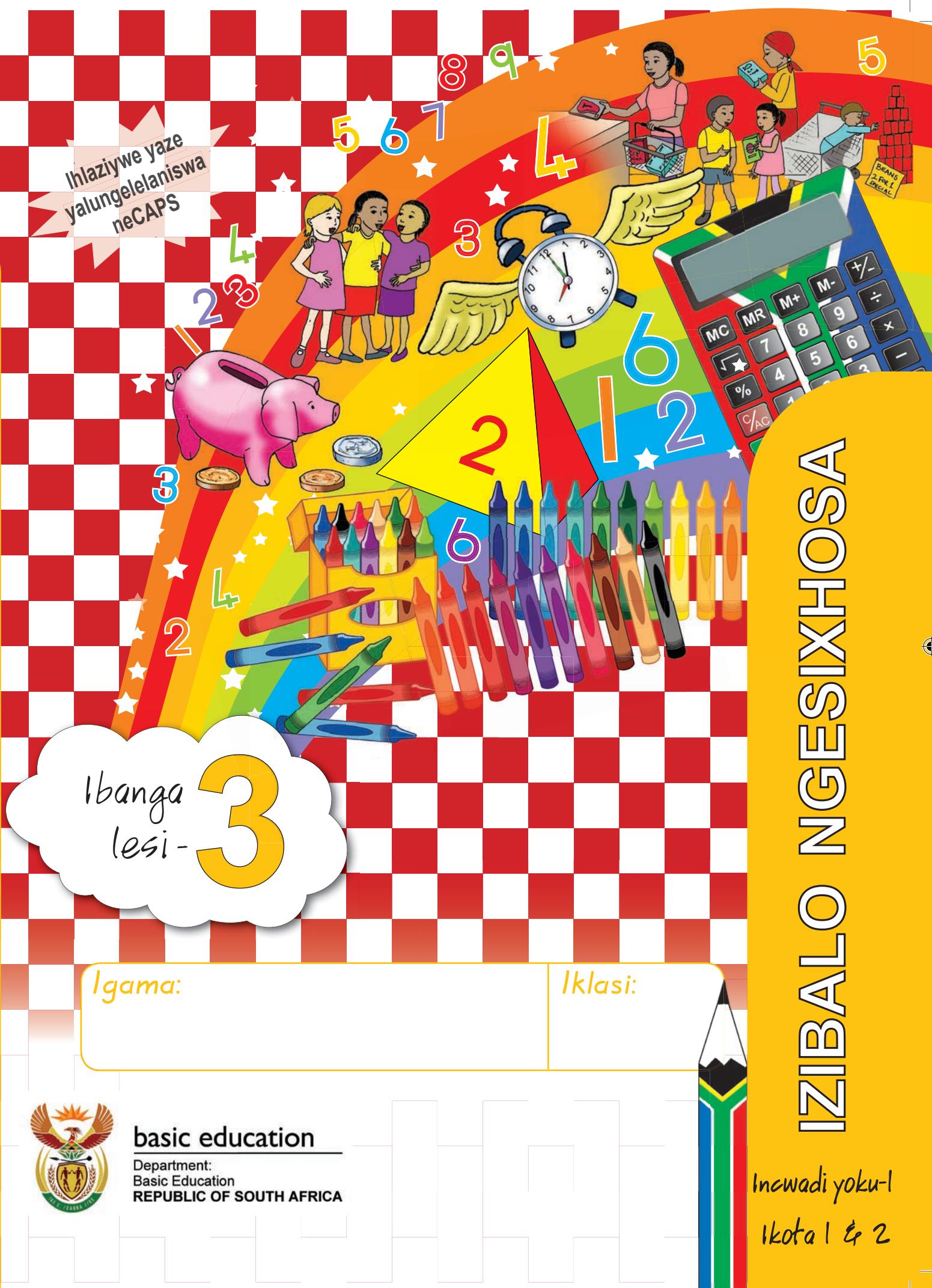
**Wabange amalungelo a kho njengomni  
weli loMzantsi Afrika kwaye nawe  
uluthathelle kuwe uxanduva lokukhusela  
amalungelo aba nye.**

**Wazi amalungelo  
akho noxanduva  
lwakho.**

*Wanga uThixo angabakhusela abantu bakokwethu.  
Nkosi Sikele'l iAfrika. Morena boloka setjhaba sa heso.  
God seën Suid-Afrika. God bless South Africa.  
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.*

IZIBALO NGESIXHOSA – Ibanga lesi - 3 Incwadi yoku-1

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Incwadi yoku-1  
Ikota 1 & 2

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	Umsiko 1	
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UNksk. Angie Motshekga,  
uMphathiswa wemfundo  
esisiSeko



UMnu. Enver Surty  
uSekela Mphathiswa  
wemfundo esisiSeko

Ezi ncwadi zilungiselelwe abantwana baseMzantsi Afrika phantsi kwephiko loMphathiswa weMfundu esisiSeko uNksk. Angie Motshekga kanye noSekela Mphathiswa weMfundu esisiSeko uMnu. Enver Surty.

Ezi ncwadi zokusebenzela, iRainbow Workbooks, leline lamalinge ongenelelo eSebe leMfundu esisiSeko ajolise ekuphuculeni umgangatho wabafundi beloMzantsi Afrika abakumabanga amathandathu okuqala. Njengomnye wemiba ephambili yoMkhomba-ndlela kaRhulumente, eli phulo libe nempumelelo ngenxa yenqxaso-mali evela kuVimba weSizwe. Oku kuye kwenza ukuba iSebe likwazi ukuelisa ezi ncwadi, zifumanekе ngazo zonke iilwimi ezisemthethweni ngexabiso eliphantsi.

Sinethemba lokuba ootitshala baya kuzifumana ezi ncwadi zokusebenzela ziluncedo kakhulu kwimfundu yemihla ngemihla, nasekuqinisekiseni ukuba abafundi bayifikelela yonke ikharityhulam. Ukuqinisekisa ukuba utitshala uyakhokelwa kuyo yonke imisetenzana, sisebenzise izalathisi ezibonisa oko kufanele ukwenziwa ngumfundu.

Sinethemba lokwenene lokuba abantwana baya kukonwabela ukusebenza kwezi ncwadi ekukhuleni nasekufundeni kwabo, kwanokuba nawe titshala uya kwabelana nabo kolu yolo.

Sinqwenela ukuba nibe nempumelelo ekusebenziseni ezi ncwadi.



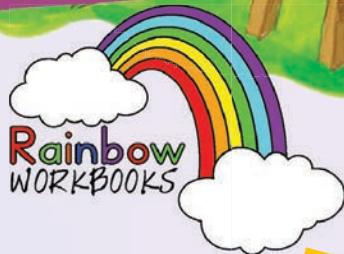
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Ibanga  
lesi-3



# Imathematika NGESIXHOSA

Le ncwadi yeka-:



ISIXHOSA

Incwadi  
yoku-

I



Umhla:

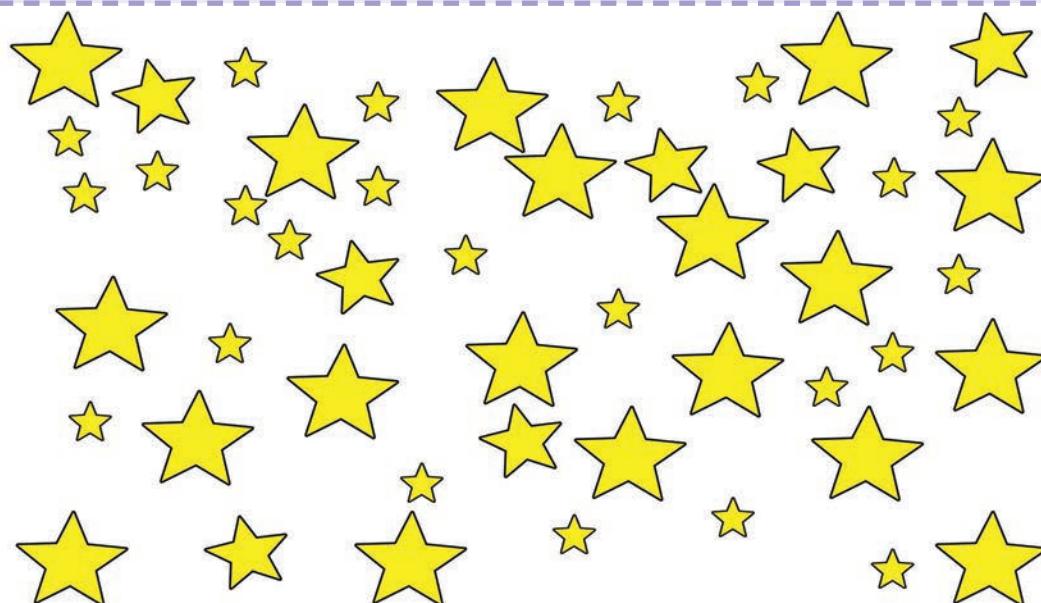
.....

Ikota yoku-I



Zingaphi iinkwenkwezi?

Thelekisa iimpendulo.



Qikelela ukuba zingaphi iinkwenkwezi. \_\_\_\_\_

Zibale ke ngoku. \_\_\_\_\_



Fumana ukuba ngubani ophumeleleyo!

Ngubani oqikelele ngokusondeleyo?

Fakani amagama neempendulo zenu phakathi kule theyibhile.

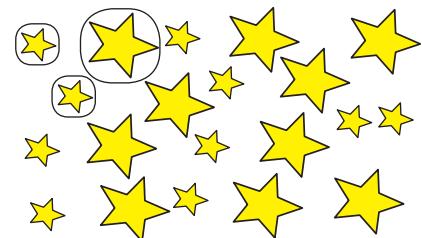
Igama				
Uqikelelo				
Inani elibaliweyo				
Umahluko phakathi koqikelelo lwakho kunye nenani elibaliweyo				



Iindlela zokubala. Sincedise sibhale phantsi.



Ndibale  
ngoononye



1, 2, 3, \_\_\_\_\_  
\_\_\_\_\_



Ndibale  
ngezibini.



Ndibale  
ngezihlanu.



5, \_\_\_\_\_  
\_\_\_\_\_



Ndibale  
ngamashumi.



### Bhala izivakalisi zamanani.

Bala inani leenkwenkwezi ezinkulu nezincinci  
ezikumfanekiso okwiphepha 2.

Zibhale ngeendlela ezimbini.

Inkulu Incinci Ngolu hlobo

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

nanjengesivakalisi samanani.

$$\underline{\quad} + \underline{\quad} = \underline{\quad} \quad \text{okanye} \quad \underline{\quad} + \underline{\quad} = \underline{\quad}$$

Ayinamsebenzi indlala  
alandelelana ngayo amanani xa  
udibanisa nokuba ngawaphi na  
amanani amabini.

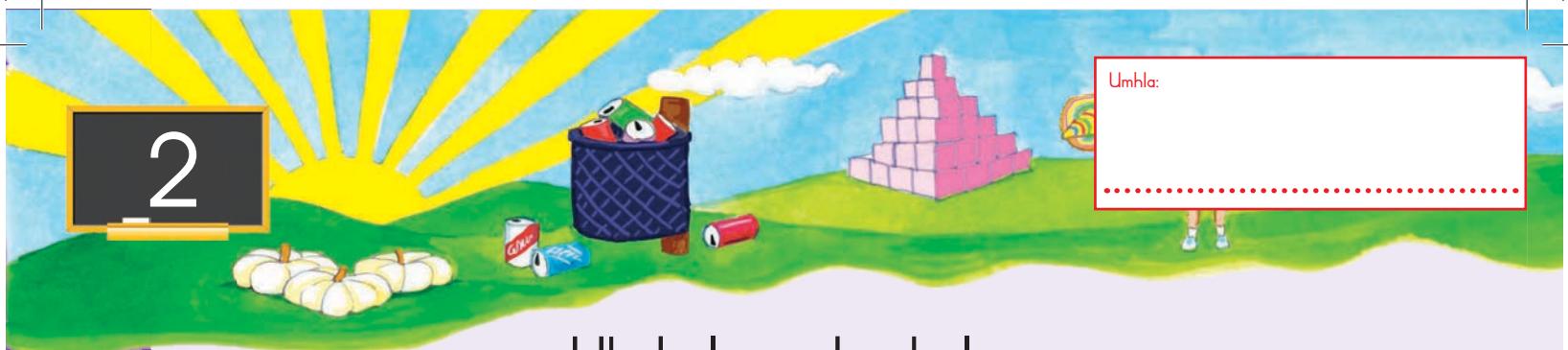
okanye      ngolu hlobo

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



11 12 13 14 15 16 17 18 19 20

2



Umhla:

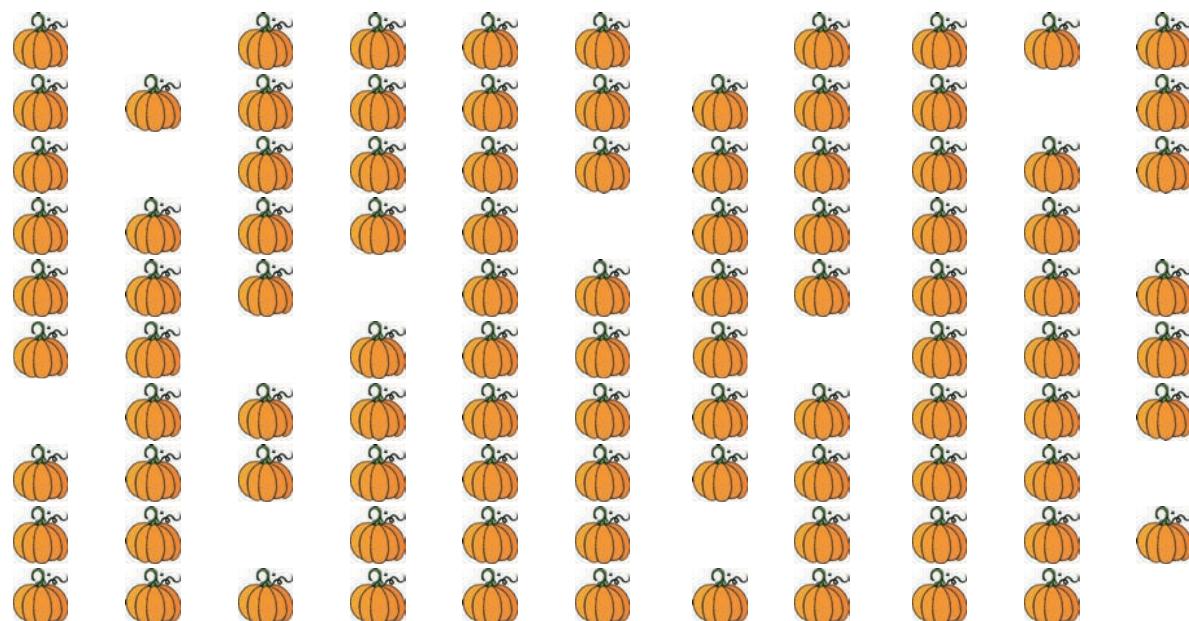
Ikota yoku-|



## Ukubala ngobuchule

Bala amathanga.

Fumana indlela elula yokuwabala.



Impendulo: \_\_\_\_\_



Pakisha amathanga

Amathanga alishumi angena engxoweni enye.



Zingaphi iingxowa ezinokuzaliswa ngala mathanga? \_\_\_\_\_

Mangaphi amathanga ashiyekileyo? \_\_\_\_\_

Mangaphi amathanga asafunekayo ukuze kuzale enye ingxowa? \_\_\_\_\_



Ukusuka ku + ukuya ku × (Ukudibanisa nokuphinda-phinda)

Gqibevela izivakalisi-manani.

Umzekelo:

$$10 + 10 + 10 + 10 = 40 \rightarrow \text{amaqela ama-} 4 \text{ ama-} 10 = 40 \rightarrow 4 \times 10 = 40$$



a.  $10 + 10 + 10 = \underline{\hspace{2cm}}$

$$\text{amaqela ama-} \underline{\hspace{2cm}} \text{ ama-} 10 = \underline{\hspace{2cm}} \rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

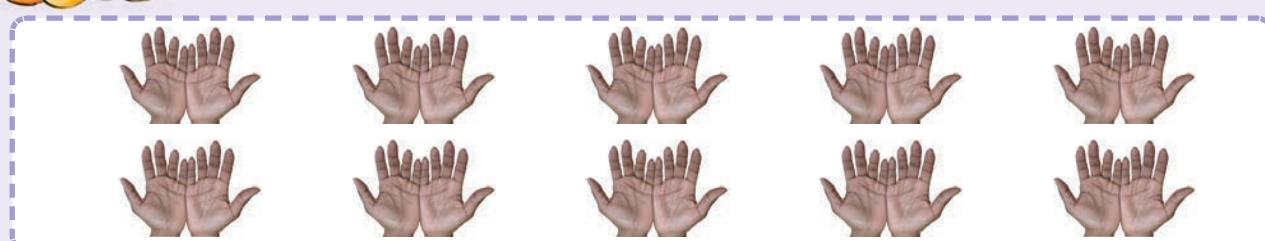


b.  $10 + 10 + 10 + 10 + 10 + 10 + 10 = \underline{\hspace{2cm}}$

$$\text{amaqela ama-} \underline{\hspace{2cm}} \text{ ama-} 10 = \underline{\hspace{2cm}} \rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



Izandla neminwe



Zingaphi izandla?       

Mingaphi iminwe?       

Bhala impendulo yakho ngeendlela ezi-2.

$$\text{amaqela ama-} \underline{\hspace{2cm}} \text{ ama-} 10 = \underline{\hspace{2cm}} \quad \text{okanye} \quad \underline{\hspace{2cm}} \times 10 = \underline{\hspace{2cm}}$$



3a



Umhla:

Ikota yoku -



## Amanani akwibhodi yamakhulu

Amanani athethayo

Bala uxele amanani onke ukusukela ku-l ukuuya kwi-100.

Yalatha njengokuba usiya phambili.

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



- Bhala amanani ashiyelelweyo kwibloko nganye ezuba.
- Bhala amanye amanani.
- Amanani amthubi aloluphi uhlobo lwamanani?

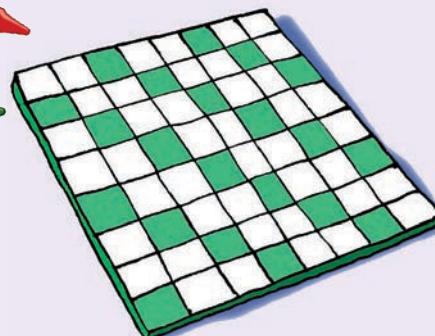
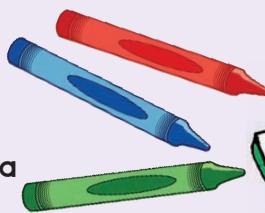


Bhala la manani ngamagama.

90	amashumi alithoba	41	
77		56	
14		65	



Ukubala nokufaka imibala



Lungela ukubala imibala!

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	I0
2I	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50
5I	52	53	54	55	56	57	58	59	60
6I	62	63	64	65	66	67	68	69	70
7I	72	73	74	75	76	77	78	79	80
8I	82	83	84	85	86	87	88	89	90
9I	92	93	94	95	96	97	98	99	I00

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	I0
2I	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50
5I	52	53	54	55	56	57	58	59	60
6I	62	63	64	65	66	67	68	69	70
7I	72	73	74	75	76	77	78	79	80
8I	82	83	84	85	86	87	88	89	90
9I	92	93	94	95	96	97	98	99	I00

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	I0
2I	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50
5I	52	53	54	55	56	57	58	59	60
6I	62	63	64	65	66	67	68	69	70
7I	72	73	74	75	76	77	78	79	80
8I	82	83	84	85	86	87	88	89	90
9I	92	93	94	95	96	97	98	99	I00

Bala uze ugqume ama-10.

Ku-O ukuya kwi-100.  
Bala uze ugqume izi-5  
ukusukela ku-O  
ukuya kwi-100.

Bala ugqume izi-2.

Bala ngama-10 ukusuka  
ku-10 ukuya kwi-100.

Bala ngezi-5 ukusuka  
ku-5 ukuya kwi-100.

Bala ngezi-2 ukusuka  
ku-2 ukuya kwi-100.

Bhala ama-10 ukusuka  
ku-10 ukuya kwi-100.

Bhala izi-5 ukusuka  
kwisi-5 ukuya kuma-80.

Bhala izi-2 ukusuka  
kwisi-2 ukuya kwi-100.



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

I I I2 I3 I4 I5 I6 I7 I8 I9 20

3b

Umhla:

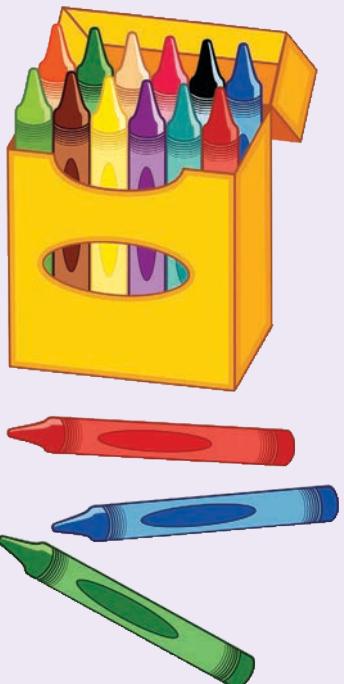
Ikota yoku - I

## Amanani akwibhodi yamakhulu (asaqħuttywa)



Funa iipatheni

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



Phawula onke ama - 10.

Phawula zonke izi - 5.

Phawula zonke izi - 2.

Bhala amanani abhalwe ngeepatheni zezi - 2 nezi - 5.



Bala iipatheni

Fakela amanani ashiyelwego.

0; 10; 20; \_\_\_\_\_; \_\_\_\_\_; 50; \_\_\_\_\_; \_\_\_\_\_; 80; \_\_\_\_\_; 100; \_\_\_\_\_;  
\_\_\_\_\_; 130; \_\_\_\_\_; \_\_\_\_\_; 160; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 200

0; 5; 10; \_\_\_\_\_; \_\_\_\_\_; 25; \_\_\_\_\_; \_\_\_\_\_; 40; \_\_\_\_\_; 50; 55; \_\_\_\_\_;  
\_\_\_\_\_; 70; \_\_\_\_\_; \_\_\_\_\_; 85; \_\_\_\_\_; \_\_\_\_\_; 100

0; 2; 4; 6; \_\_\_\_\_; \_\_\_\_\_; 12; \_\_\_\_\_; \_\_\_\_\_; 18; \_\_\_\_\_; 22; 24; \_\_\_\_\_;  
\_\_\_\_\_; 30; \_\_\_\_\_; \_\_\_\_\_; 36; 38; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 46; \_\_\_\_\_;

0; \_\_\_\_\_; 8; \_\_\_\_\_; 16; 20; \_\_\_\_\_; 28; \_\_\_\_\_; 36; \_\_\_\_\_; \_\_\_\_\_;  
\_\_\_\_\_; 52; \_\_\_\_\_; \_\_\_\_\_; 64; \_\_\_\_\_; 72; \_\_\_\_\_; 80

0; \_\_\_\_\_; 10; \_\_\_\_\_; 20; \_\_\_\_\_; 30; \_\_\_\_\_; 40; \_\_\_\_\_; \_\_\_\_\_; 55;  
60; \_\_\_\_\_; 70; 75; \_\_\_\_\_; 85; \_\_\_\_\_; \_\_\_\_\_; 100

0; 3; \_\_\_\_\_; 9; \_\_\_\_\_; 15; 18; \_\_\_\_\_; 24; \_\_\_\_\_; \_\_\_\_\_; 33; \_\_\_\_\_; 39;  
\_\_\_\_\_; 45; \_\_\_\_\_; \_\_\_\_\_; 54; 57; \_\_\_\_\_; 63; \_\_\_\_\_; \_\_\_\_\_; 72; 75





Umhla:

Ikota yoku-l



Bonisa amanani akho

Sika amakhadi amanani kumsiko woku-l.  
Sebenzisa amakhadi wakhe amanani.

19

43

69

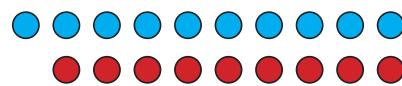
54

35

10  
q



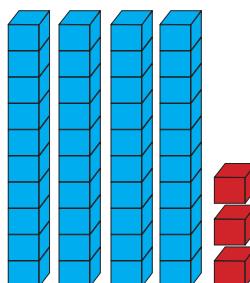
19



10  
q

$$10 + 9 = 19$$

43



10  
10  
10  
10  
3

$$40 + 3 = 43$$

Zenzele ngokwakho kula manani usebenzise umsiko woku-l.

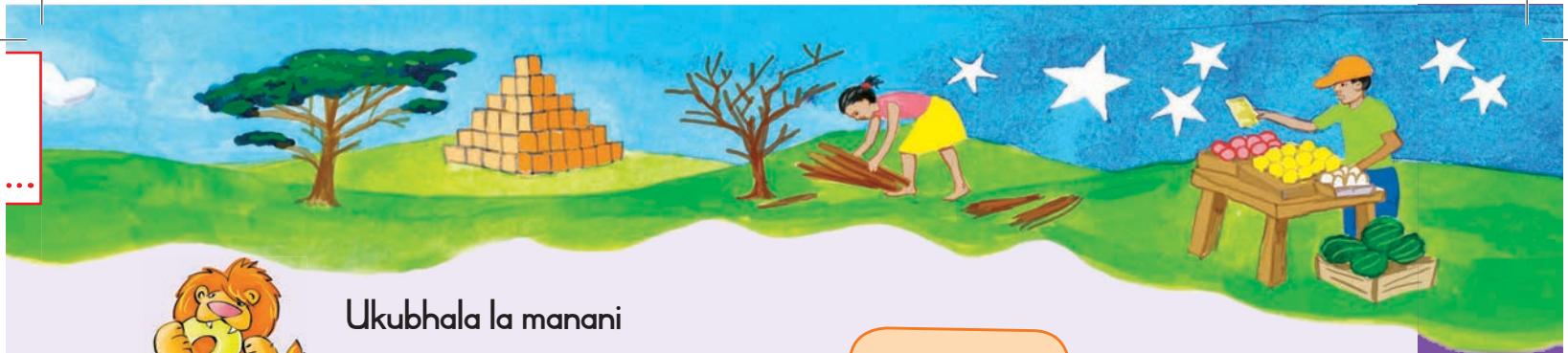
54

35

69

10

1 2 3 4 5 6 7 8 9 10



## Ukubhala la manani

Sikwenzele eyokuqala.

Singathi oononye  
abali - q

Iq	10 + q	ishumi eli - l + imivo eli - q	ishumi elinethoba
43			
69			
54			
35			
21			
73			
44			
32			
89			
17			
95			
56			
68			
67			



Bhala amanani okuqala amahlanu kwitheyibhile engentla  
ngokulandelelana, uqale kwelona lincinci uye kwelona likhulu.

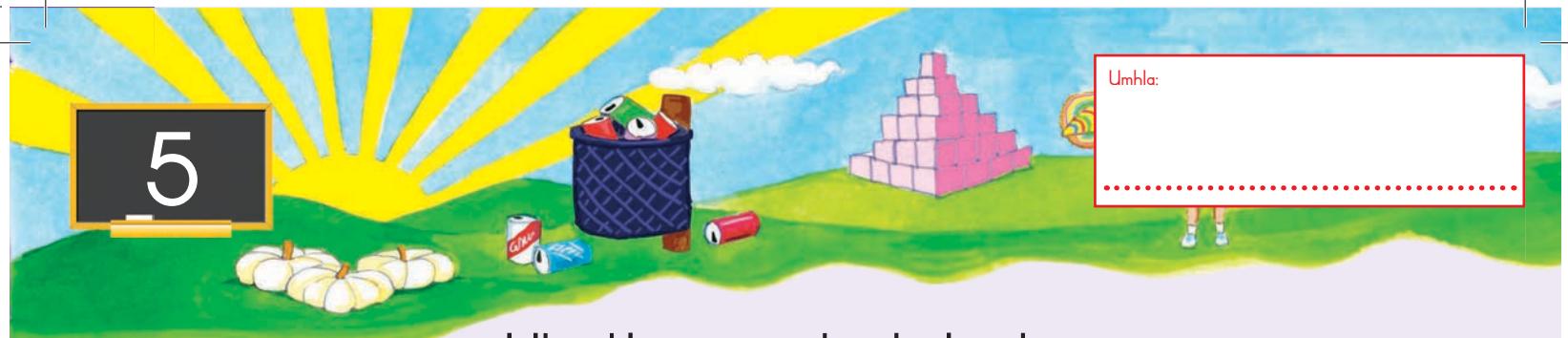
\_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_



Teacher:  
Sign:

Date:

5



Umhla:

## Ukudibanisa nokuthabatha



### uLebo mde

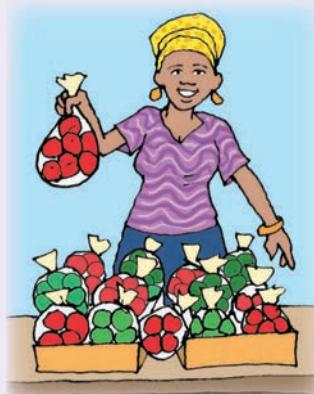
uLebo uneepakethe zama-apile ezili-19 ekuseni.

Ushiyekelwa ziipakethe ezili-13 ngexesha lesidlo sasemini.

a. Uthengise iipakethe ezingaphi uLebo? \_\_\_\_\_

b. Bhala impendulo yakho ibe sisivakalisi samanani.

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$



Bhala ezinye izivakalisi zamanani ezihlalu ubonise kwale mpPENDULO inye.

$$15 - 9 = 6 \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad}$$



### Ukuziqhelisa amanani

Bhala iiimpendulo.

$$1 + 2 = 3$$

Sebenzisa ...  
+ - =

$10 + 5 =$ <input type="text"/>	$11 + 6 =$ <input type="text"/>	$14 - 9 =$ <input type="text"/>	$14 - 8 =$ <input type="text"/>
$11 + 5 =$ <input type="text"/>	$17 + 2 =$ <input type="text"/>	$19 - 7 =$ <input type="text"/>	$14 - 5 =$ <input type="text"/>
$12 + 6 =$ <input type="text"/>	$3 + 13 =$ <input type="text"/>	$16 - 5 =$ <input type="text"/>	$16 - 13 =$ <input type="text"/>
$17 + 2 =$ <input type="text"/>	$4 + 15 =$ <input type="text"/>	$15 - 10 =$ <input type="text"/>	$19 - 7 =$ <input type="text"/>



### Amanani azalanayo

5  9  14

Nantsi imizekelo yolu sapho lwamanani.

$$9 + 5 = 14$$

$$5 + 9 = 14$$

$$14 - 9 = 5$$

$$14 - 5 = 9$$



Ungakwazi ukufumana onke amanani osapho lwe -I4?

$I + I3 = I4$	$I3 + I = I4$	$I4 - I = I3$	$I4 - I3 = I$
$2 + I2 =$			
$3 + II =$			
$4 + IO =$			
$5 + q =$			
$6 + 8 =$			
$7 + 7 =$			



Ndiza kwenza  
ngokufanayo nge-I2.

I2

$I + II = I2$			
$2 + IO = I2$			
$3 + q = I2$			
$4 + 8 = I2$			
$5 + 7 = I2$			
$6 + 6 = I2$			



II    I2    I3    I4    I5    I6    I7    I8    I9    20

6



Umhla:

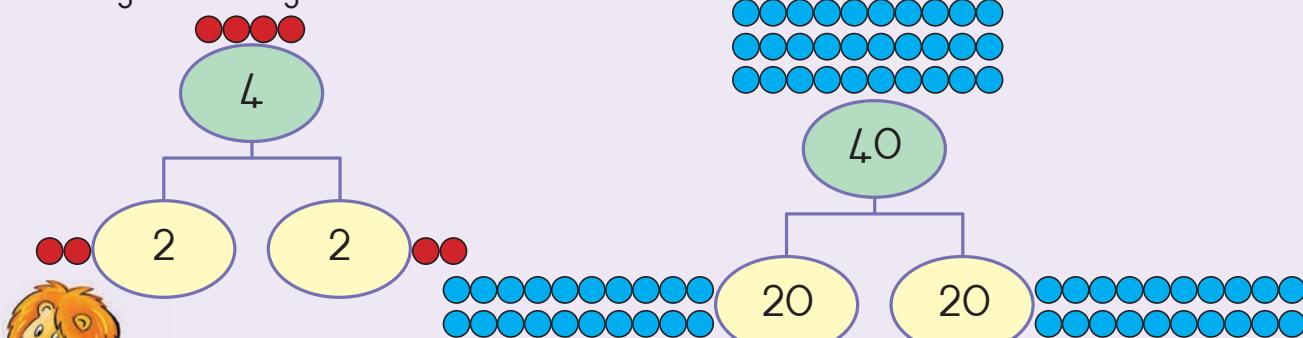
## Amanani aphindaphindwe kabini neziqingatha

Usakhumbula?

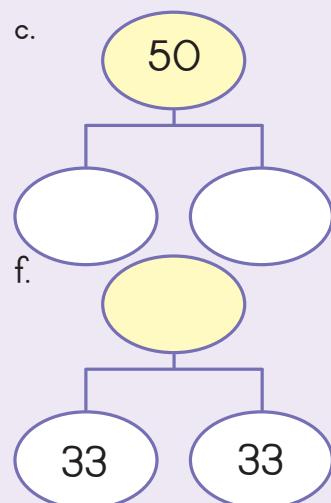
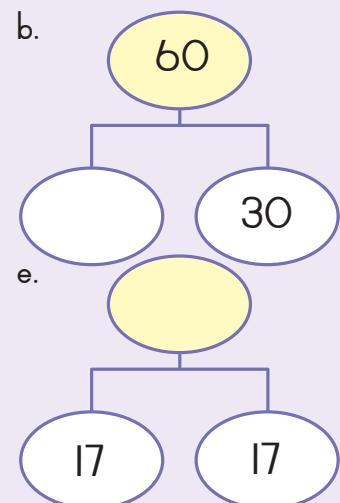
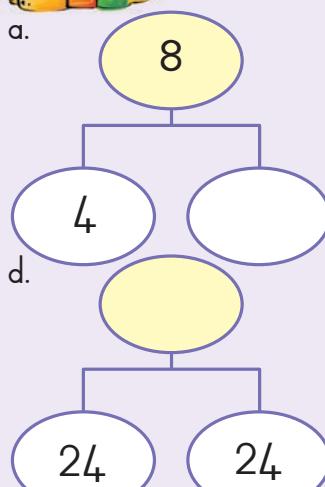
u-2 sisiqingatha sika-4  
u-4 ngu-2 ophindwe kabini

ama-20 sisiqingatha sama-40  
ama-40 ngama -20 ophindwe kabini

Oku singakubonisa ngomzobo ...



Funa amanani aphinda-phindwe kabini okanye iziqingatha



Umngeni

Nika isiqingatha sesi-3.

Bonisa ngokwenani okanye igama lenani. Umzobo ungakunceda.

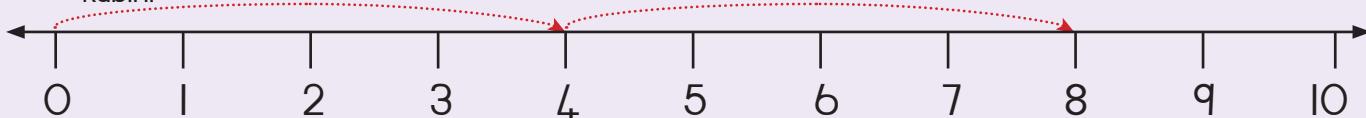


Phinda inani kabini usebenzise umgca manani.  
Sikwenzele umzekelo wokuqala.

a. Phinda isi-4  
kabini

+

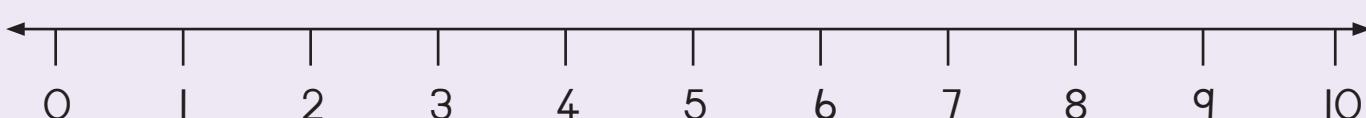
$= \boxed{8}$



b. Phinda isi-5  
kabini

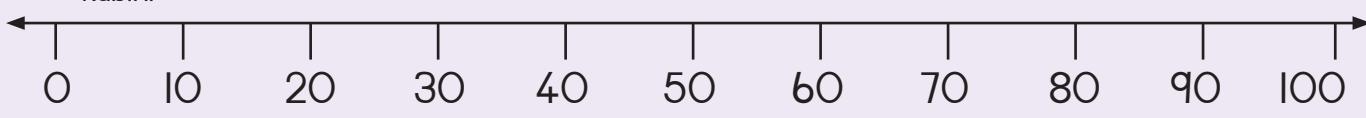
+

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



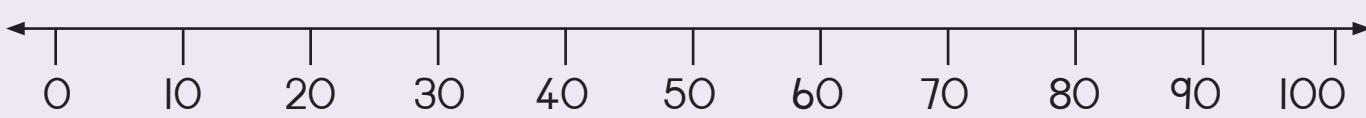
c. Phinda  
ama-20  
kabini

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



d. Phinda  
ama-40  
kabini

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



Gqibezela oku



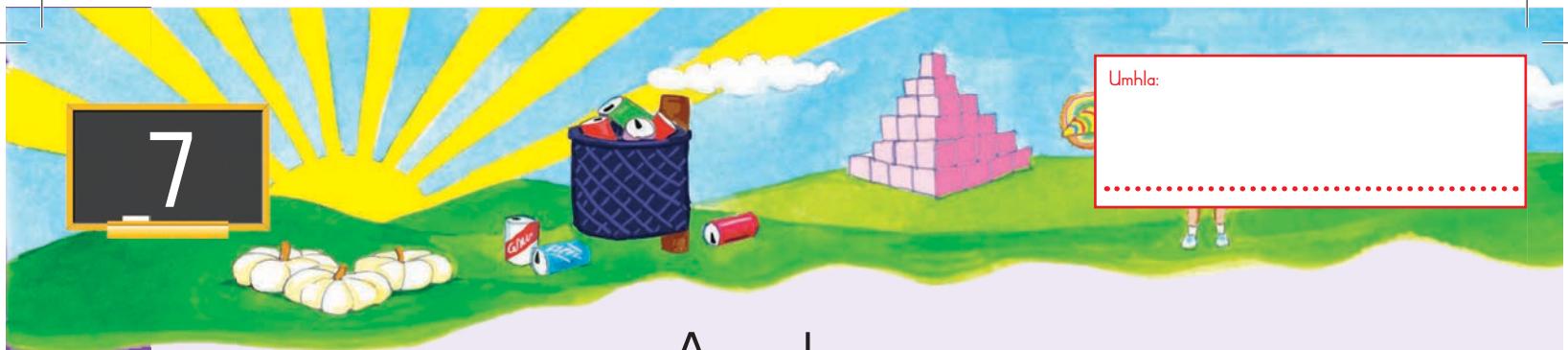
Gqibezela oku

- |                         |   |
|-------------------------|---|
| a. Phinda u-1 kabini    | 2 |
| b. Phinda isi-6 kabini  |   |
| c. Phinda i-10 kabini   |   |
| d. Phinda ama-30 kabini |   |
| e. Phinda ama-50 kabini |   |

- |                          |   |
|--------------------------|---|
| a. Yahlula kubini isi-6  | 3 |
| b. Yahlula kubini isi-8  |   |
| c. Yahlula kubini i-14   |   |
| d. Yahlula kubini ama-60 |   |
| e. Yahlula kubini ama-70 |   |



7



Umhla:

Ikota yoku -

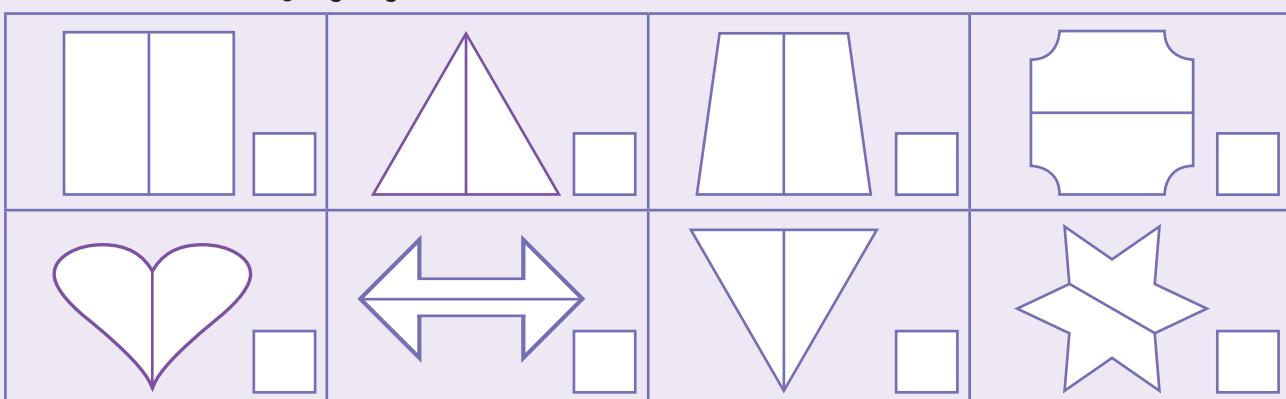
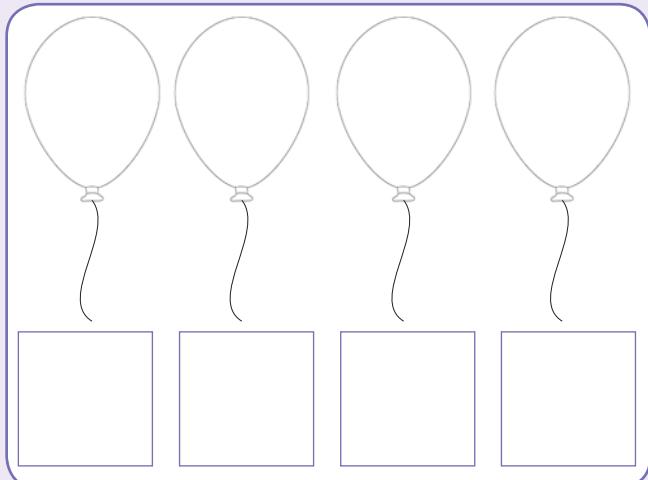
## Amaqhezu

Fakela umbala obomvu kwikota  
yeebhaliuni uze ufakele ozuba  
kwezishiyekileyo.  
Faka umbala obomvu kwisiqingatha  
sebhokisi nganye.



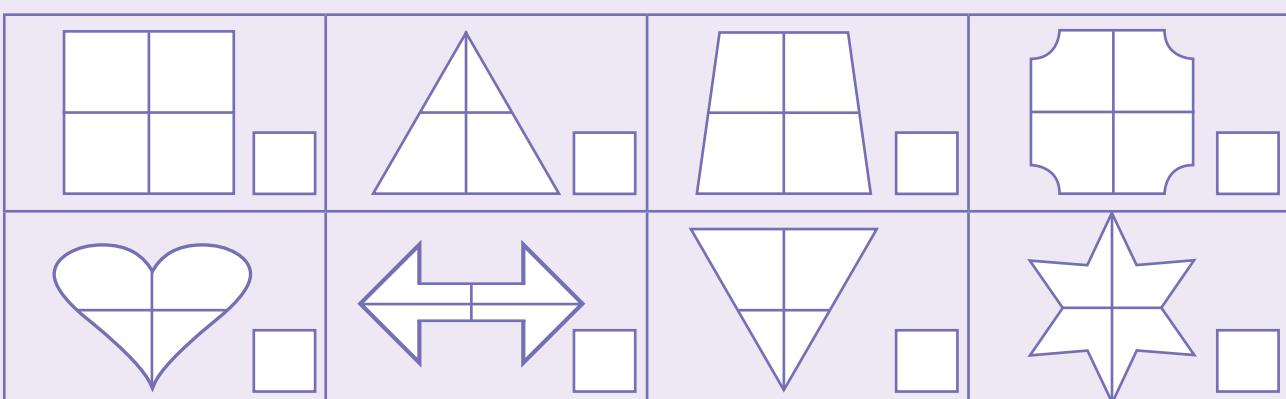
Jonga iimilo. Phawula (✓) iimilo  
ezibonisa iziqingatha.

Fakela umbala kwisiqingatha  
semilo nganye eyahlulwe kabini.



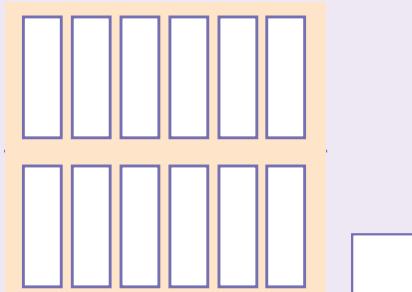
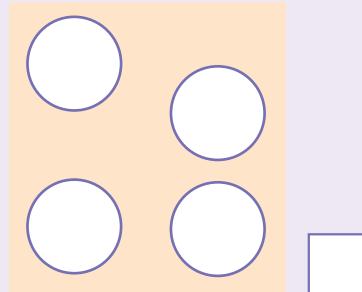
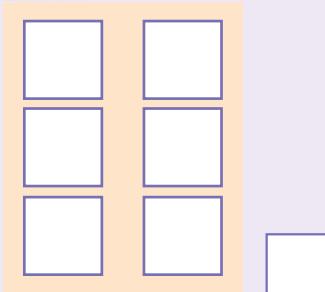
Jonga iimilo. Phawula (✓) iimilo ezibonisa iikota.

Fakela umbala kwikota yemilo nganye eyahlulwe yaziikota ezilinganayo.

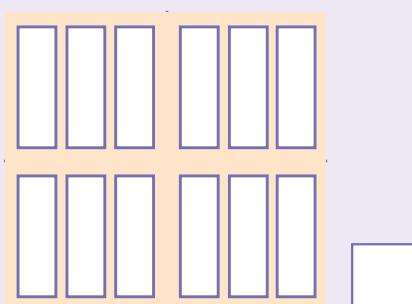
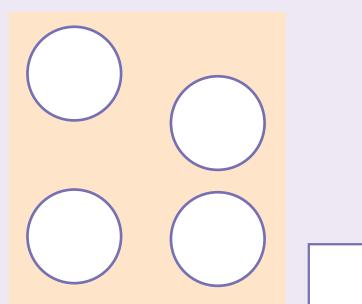
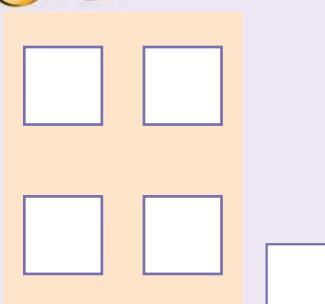




Fakela umbala kwisiqingatha seemilo. Yintoni isiqliqathaa senani leemilo?



Fakela umbala kwikota yeemilo. Yintoni ikota yenani leemilo?



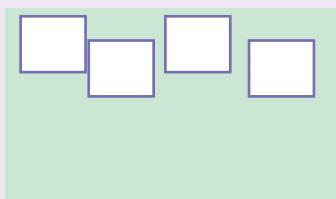
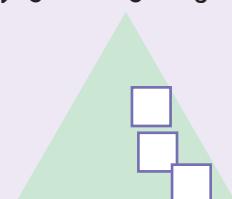
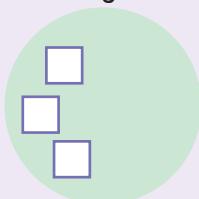
Bhala ngokophawu lweqhezu. iziqliqathaa



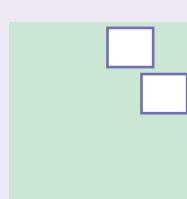
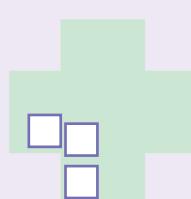
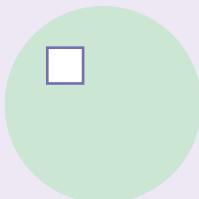
iikota

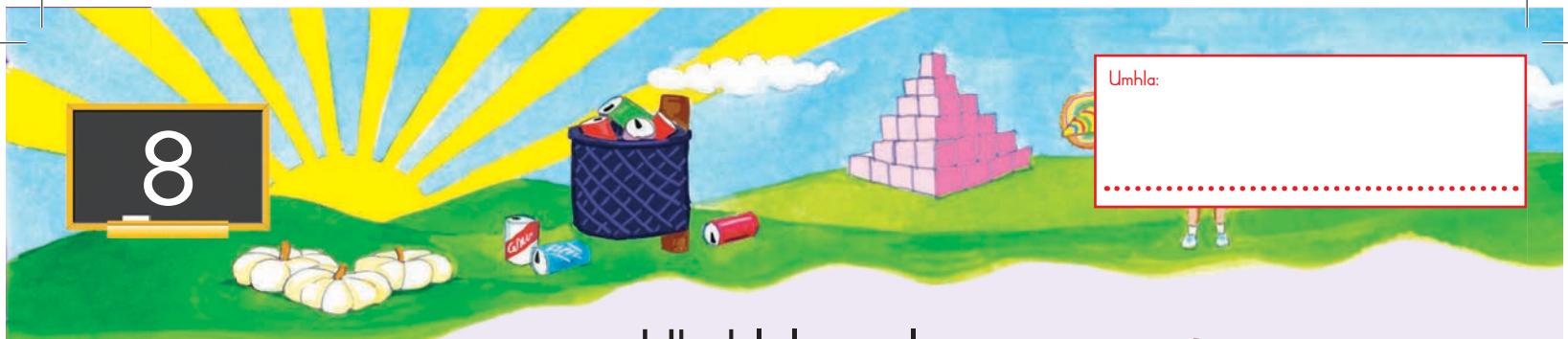


Zoba ezinye iimilo wenze isiqliqathaa ngasinye silingane.



Zoba ezinye iimilo wenze ikota nganye ilingane.





Umhla:

.....

## Ukuhlela imali



### Umgalelo

UMaLubisi ubala aze ahlele imali ayifumene kwigela.



Qikelela imali edityanisiweyo. R \_\_\_\_\_

Bala imali. R \_\_\_\_\_

Thelekisa uqikelelo  
kunye neetotali.



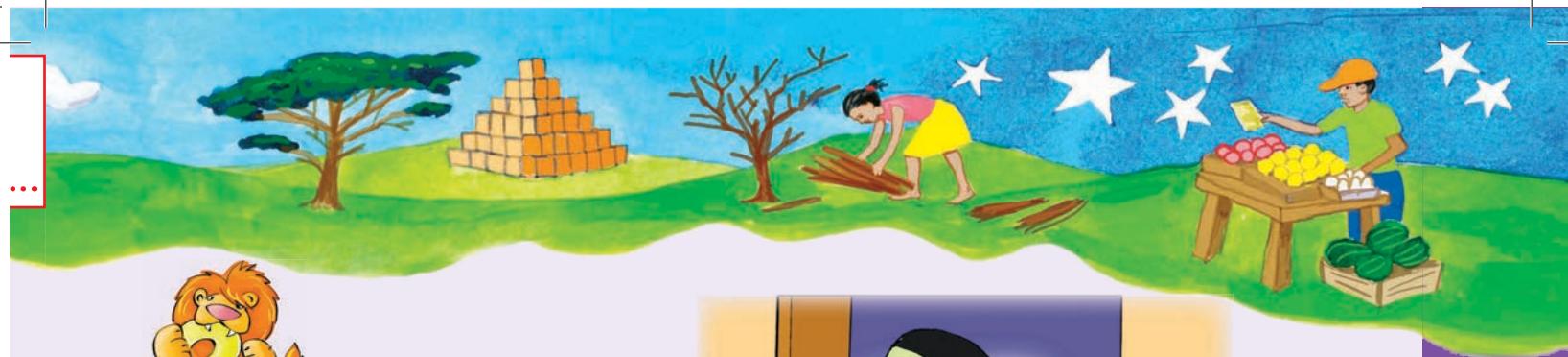
### Ukugcina imali

UGugu ugcina imali yokuthenga izihlangu ezixabisa ama -R89.

Unesiqingatha sale mali okwangoku. Kusafuneka abe  
namalini? Bhala isivakalisi samanani  
ubonise impendulo yakho.



\_\_\_\_\_



## Ebhankini

UMaria uhlela imali engamaphepha ibe ziziqhuma ezili -5.  
Unenye imali engamaphepha eshiyekileyo.  
Bhala imali iyonke kumqolo ngamnye.



Iyonke



R \_\_\_\_\_



R \_\_\_\_\_



R \_\_\_\_\_



## Umngeni

### Utyelelo kumzi wezilwanyana

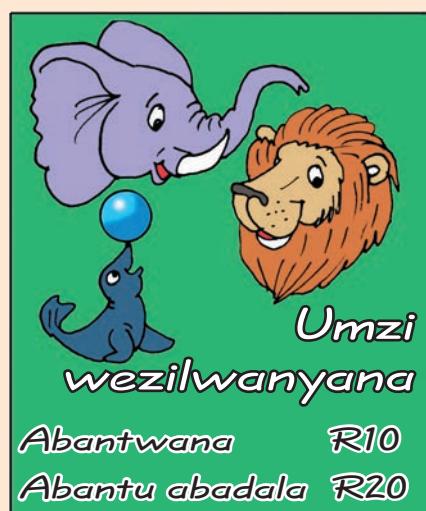
Abanye abantu kune nabantwana baya kumzi wezilwanyana. Bathenga amatikiti axabisa ama -R90.

Bangaphi abantu? \_\_\_\_\_

Bangaphi abantu abadala? \_\_\_\_\_

Ingaba ikhona enye impedulo?

Abantu abadala \_\_\_\_\_ Abantu \_\_\_\_\_





Umhla:

Ikota yoku - I



# Iipatheni

Sebenzisa le bhodi yamanani angama-200 ukuze uphendule le mibuzo.

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	I0
I1	I22	I23	I24	I25	I26	I27	I28	I29	I30
I3I	I32	I33	I34	I35	I36	I37	I38	I39	I40
I4I	I42	I43	I44	I45	I46	I47	I48	I49	I50
I5I	I52	I53	I54	I55	I56	I57	I58	I59	I60
I6I	I62	I63	I64	I65	I66	I67	I68	I69	I70
I7I	I72	I73	I74	I75	I76	I77	I78	I79	I80
I8I	I82	I83	I84	I85	I86	I87	I88	I89	I90
I9I	I92	I93	I94	I95	I96	I97	I98	I99	I00



Sebenzisa ibhodi yamanani angama-200 ukuze ugqibezele amanani amane alandela kwezi patheni zamanani. Emva koko faka umbala kwipatheni ekwibhodi yamanani.

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



Bhala amanani alandelayo kwipatheni nganye.  
Wakugqiba faka umbala kwipatheni leyo. Uqaphela ntoni ngamanani anombala of anayo?

Ukubala ngezihlanu.

	5		10						

Ukubala ngezibini.

2	4								

Ukubala ngezithathu.

	3	6							

Ukubala ngamashumi.

									10

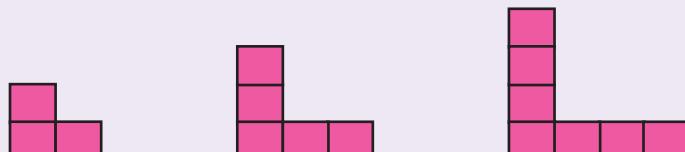


Yandisa ipatheni.





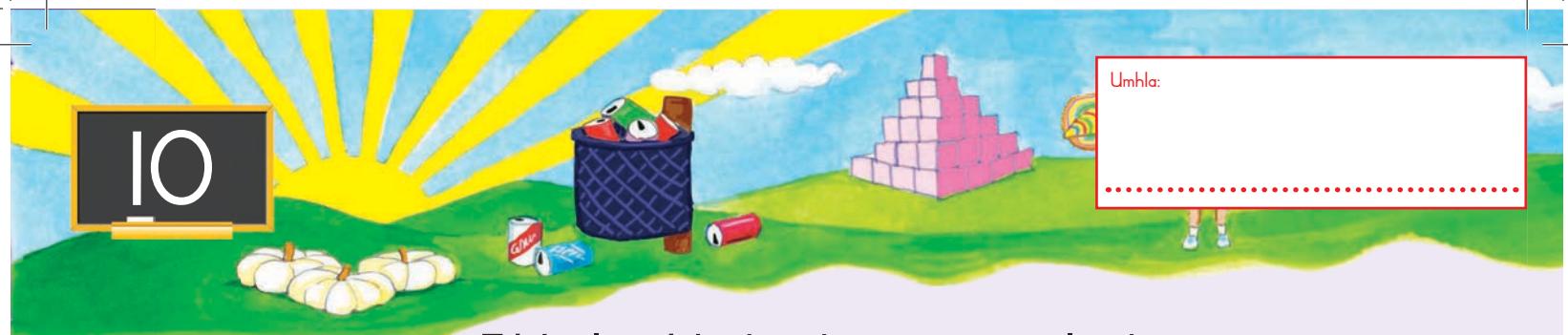





11 12 13 14 15 16 17 18 19 20



10



Ikota yoku -

## Iibhola, iibhokisi kanye neesilinda



Biyela ngesangqa iibhokisi zibe zuba, iibhola zibe bomvu ze iisilinda zibe luhlaza.



Fakela umbala kwimpendulo echanekileyo.



Ibhokisi



Isilinda



Ibhola

iyatyibilika

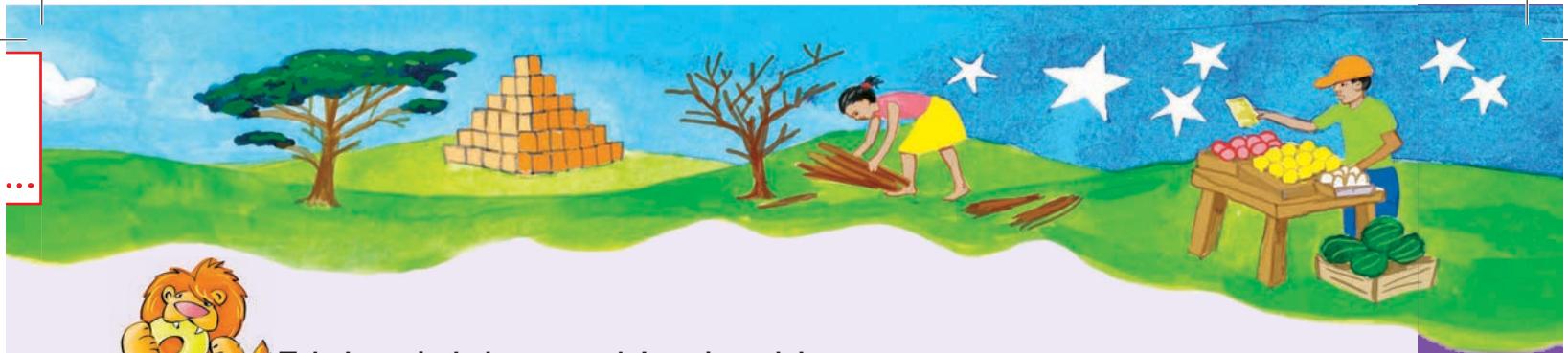
iyaqengqeleva

iyatyibilika

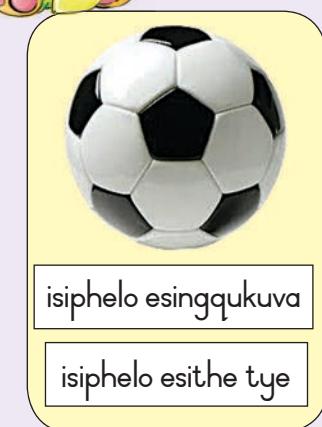
iyaqengqeleva

iyatyibilika

iyaqengqeleva



Fakela umbala kwimpendulo echanekileyo.



isiphelo esingqukuva  
isiphelo esithe tye



isiphelo esingqukuva  
isiphelo esithe tye



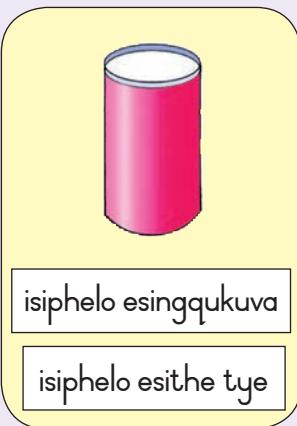
isiphelo esingqukuva  
isiphelo esithe tye



isiphelo esingqukuva  
isiphelo esithe tye



isiphelo esingqukuva  
isiphelo esithe tye



isiphelo esingqukuva  
isiphelo esithe tye



isiphelo esingqukuva  
isiphelo esithe tye



isiphelo esingqukuva  
isiphelo esithe tye



Chaza ukuba iphi na le toti. Ingaphambili, isecaleneni okanye ingaphezulu kwebhokisi?



ingasemva	ingaphambili
isecaleni	ingaphezulu



ingasemva	ingaphambili
isecaleni	ingaphezulu



ingasemva	ingaphambili
isecaleni	ingaphezulu



ingasemva	ingaphambili
isecaleni	ingaphezulu

Teacher:  
Sign:  
Date:



Umhla:

.....

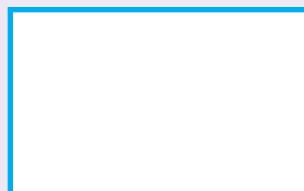
Ikota yoku - I

Zoba uze uthiye amagama iimilo ezinemilinganiselo  
emibini (2D) uze uzithelekise.



Zoba iimilo

Unxantathu



Isangqa



Isikwere

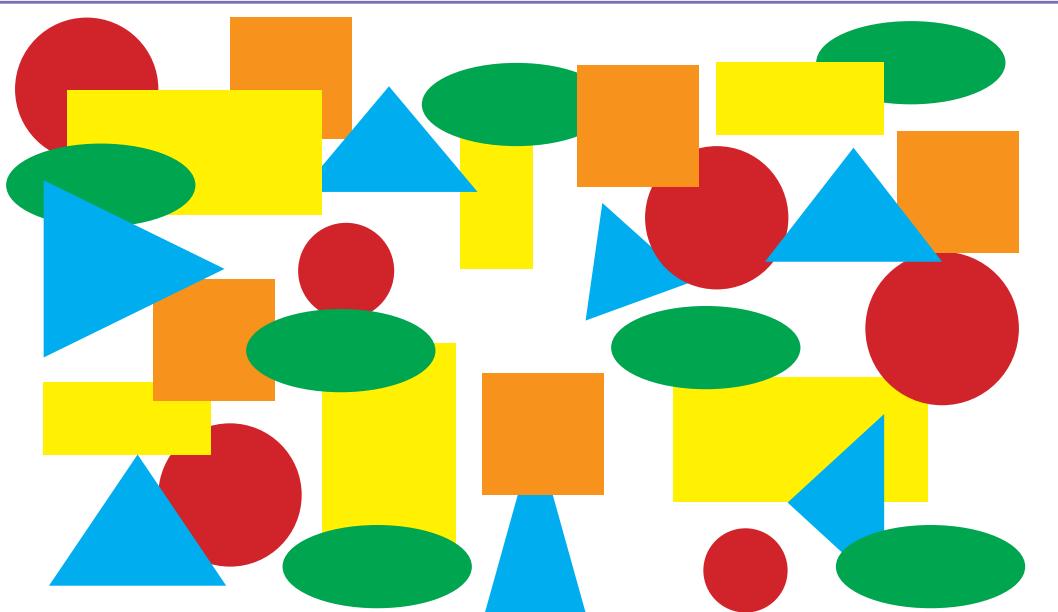
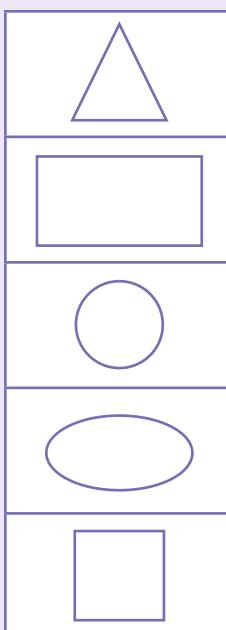


uxande



Bala iimilo

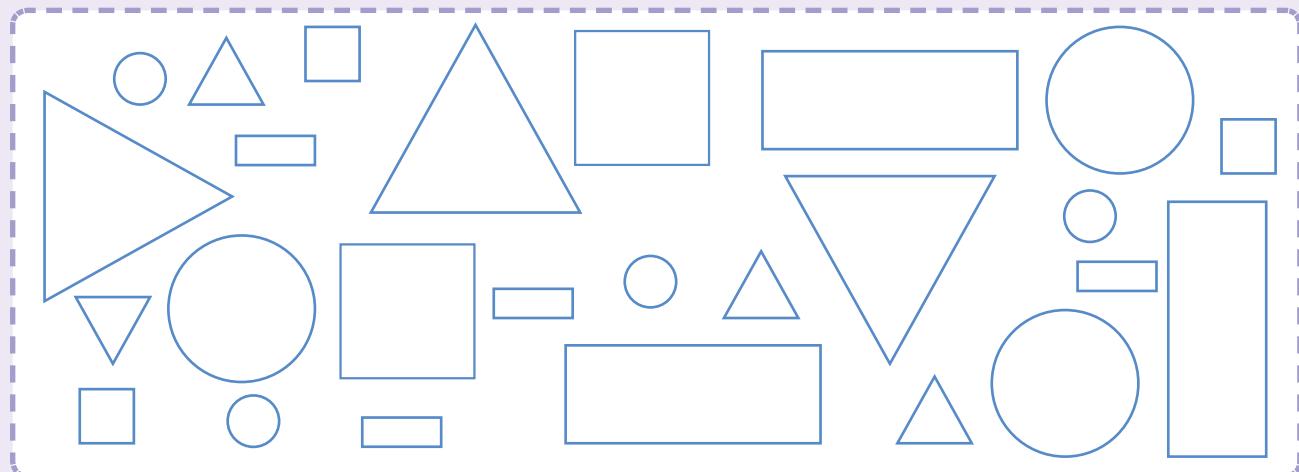
Bala ukuba ufumana iimilo ezingaphi ezifana nezi kulo mfnekiso.





### Fakela umbala obomvu kwizangqa

ezikhulu, oluhlaza kwezincinci; ozuba  
koonxantathu abakhulu, o-orenji  
kwabancinci; omthubi kwizikwere ezikhulu,  
omsobo kwezincinci; omdaka kwiingxande  
ezinkulu nopinki kwezincinci.



### Mangaphi amacala?

Mangaphi amacala akwimilo nganye?

Bhala inani eblokweni. **Sikwenzele umzekelo omnye.** Ingaba amacala athe tye okanye angqukuva?  
Fakela umbala kwimpendulo echanekileyo.

ithe tye	ingqukuva	ithe tye	ingqukuva	ithe tye	ingqukuva

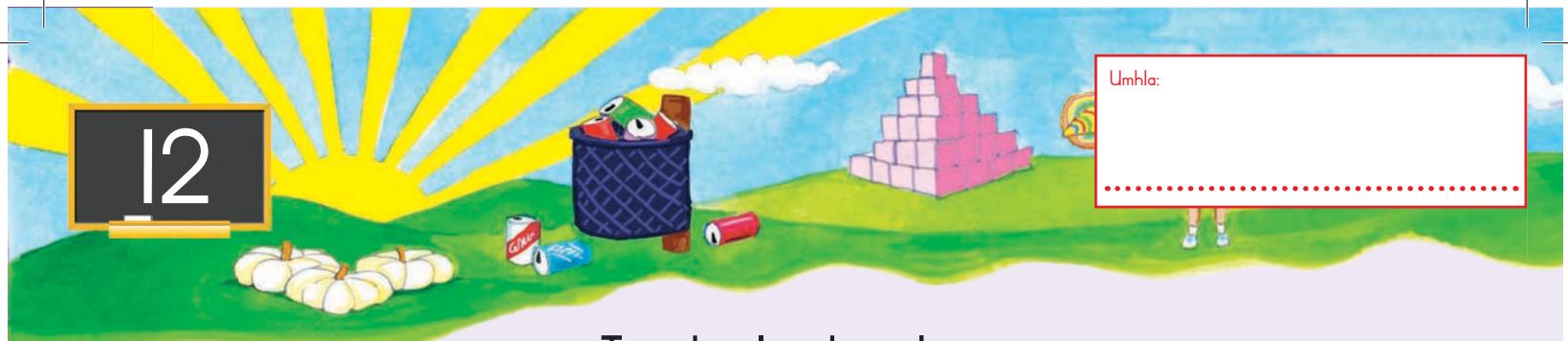
  

ithe tye	ingqukuva	ithe tye	ingqukuva



Teacher:  
Sign:  
Date:

12



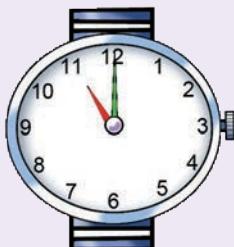
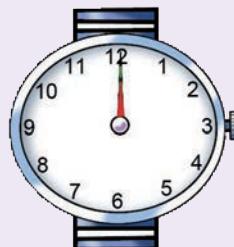
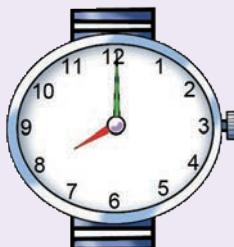
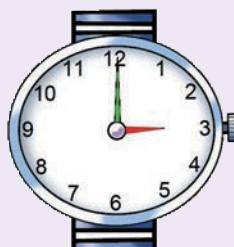
Umhla:

Ikota yoku -



Funda ixesha

Zibonisa awaphi amaxesha ezi wotshi?

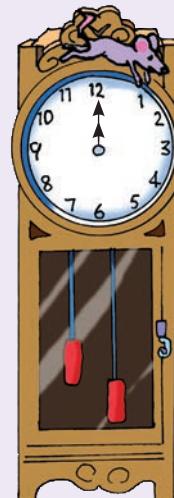


nkqo entloko  nkqo entloko  nkqo entloko  nkqo entloko



Tsiba-tsiba ujikeleze iwotshi

Ncedisa uMpukwana abale imizuzu ngezi -5.  
Qala kwi-12. Jikeleza.



Ubale imizuzu emingaphi? \_\_\_\_\_

Mingaphi imizuzu kwiyure enye? \_\_\_\_\_



Bhala ixesha

Zoba amasiba ubonise amaxesha.



umkhono emva  
kweyesi -6



icala emva  
kweyesi -8



umkhono phambi  
kweye -II



licala emva  
kweyesi -5



UTumi uya esikolweni.



Umka ekhaya.



Uyafika esikolweni.

Uthatha ixesha elingakanani uTumi? \_\_\_\_\_

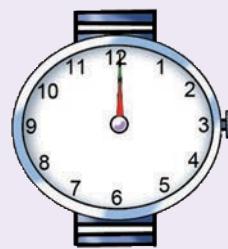


Usuku lokubhaka

UMaria ubhaka isonka.



Isonka singena  
eovenini.



Isonka  
siyaphuma eovenini.



Isonka sibhaka iiyure ezi \_\_\_\_\_.



Umngeni

Kwixesha eliphindwe kabini

- Tshintsha iiyure zibe yimizuzu.

Iiyure	1	2	4	8
Imizuzu	60			

Ndiyakwazi ukubona  
ipatheni.

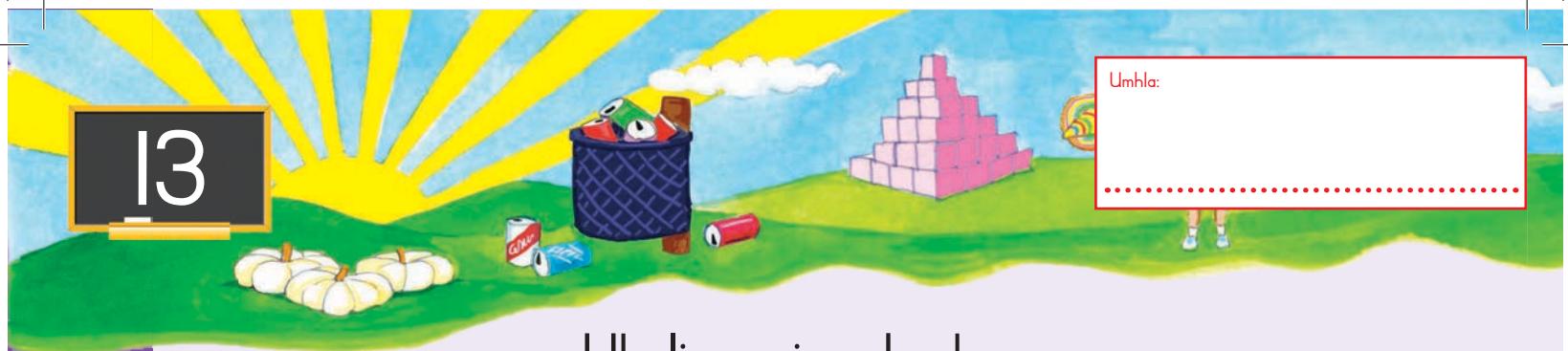


- UJabu uthatha imizuzu engama -45 ukuya esikolweni.

UTumi uliphinda kabini eli xesha. Zingaphi iiyure ezithathwa nguTumi ukuya esikolweni?

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

13



Umhla:

Ikota yoku-

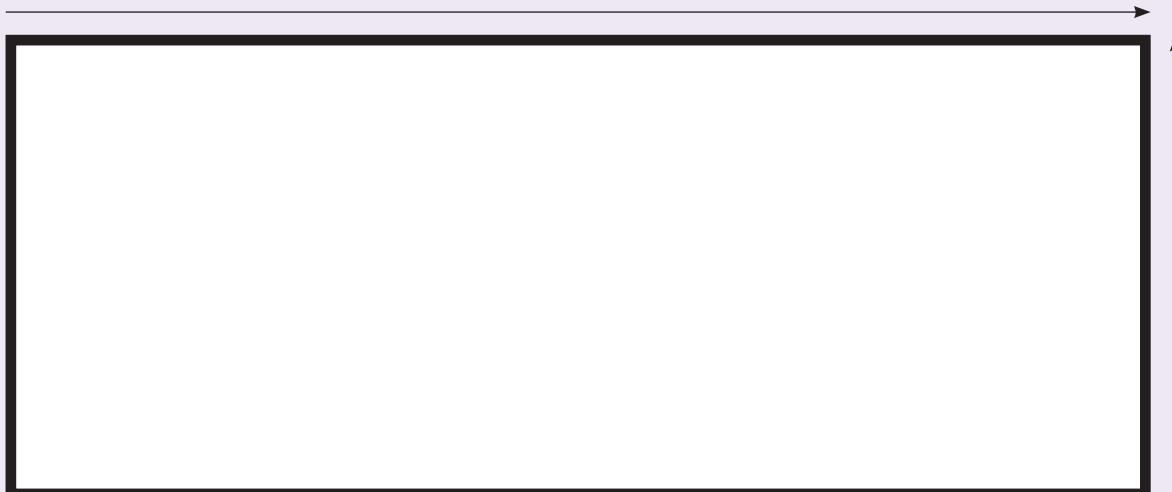
## Ukulinganisa ubude



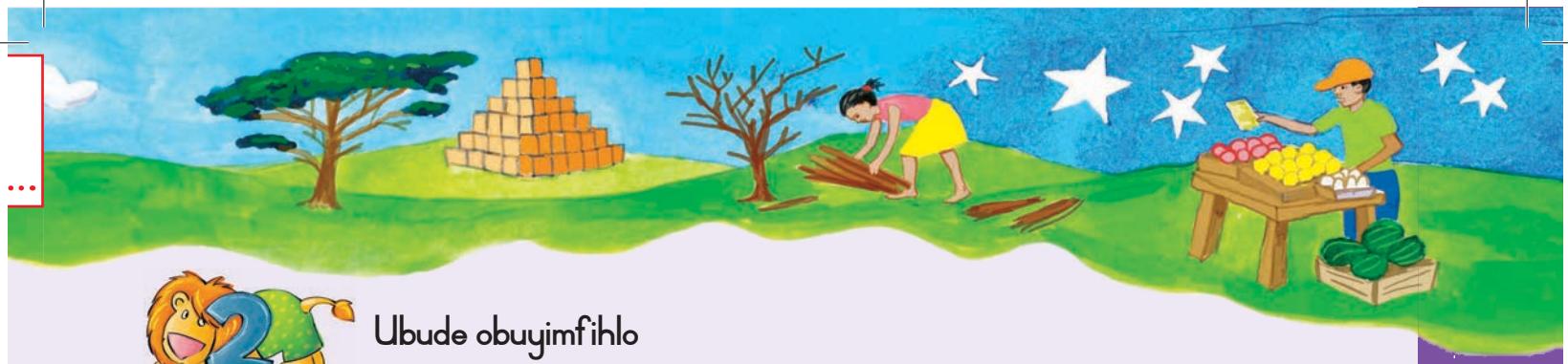
Lude kangangeepenisile ezingaphi olu xande?

Lubanzi kangangeepenisile ezingaphi uxande?

ubude



Uzisebenzise njani iipenisile ekubaleni kwakho?

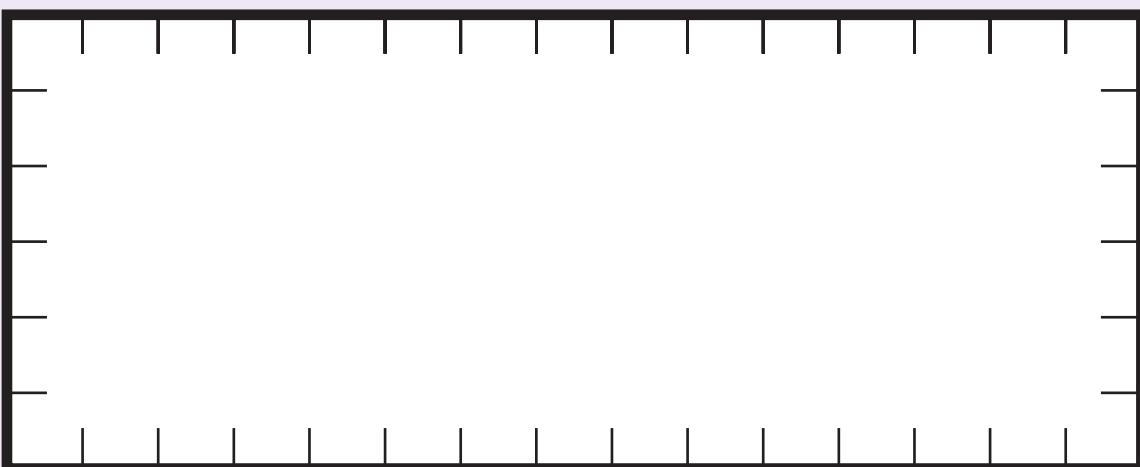


## Ubude obuyimfihlo

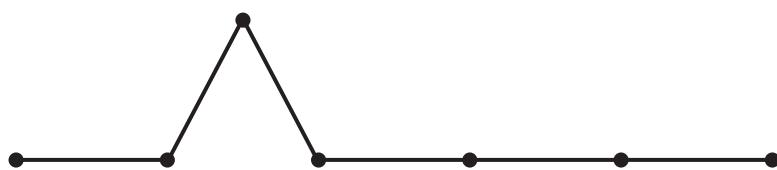
- a. Kufuneka ube nemigca **ebomvu** emingaphi ukuze ukwazi ukugquma umgca omnyama?



- b. Kufuneka ube nemigca **ebomvu** emingaphi ukuze ukwazi ukulujikeleza lonke olu xande?



- c. Yeyiphi ende, yindlela engentla okanye yindlela engezantsi okanye ziyafana?



Impendulo \_\_\_\_\_

Kutheni? \_\_\_\_\_



14



Umhla:

Ikota yoku-I



## Umthamo

Ijagi ithatha iikomityi ezili-10  
zamanzi. Sendigalele iikomityi  
ezimbini ejagini.

Ziikomityi ezingaphi zamanzi ezisafunekayo  
ukuzalisa isikhongozelo?

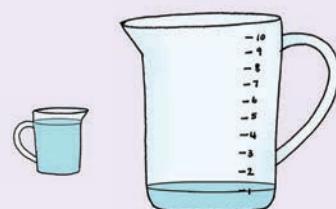
---



Zingaphi iikomityi zamanzi ezikwiskhongozelo?

Zingaphi iikomityi ezisafunekayo ukuzalisa isikhongozelo?

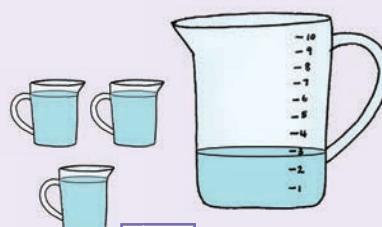
a.



Kwisikhongozelo:

Kufuneka:

b.



Kwisikhongozelo:

Kufuneka:

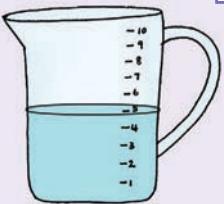
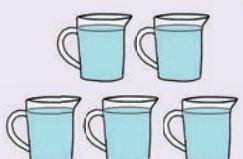
c.



Kwisikhongozelo:

Kufuneka:

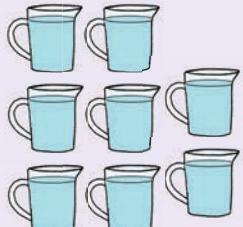
d.



Kwisikhongozelo:

Kufuneka:

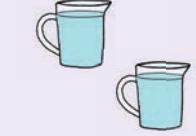
e.



Kwisikhongozelo:

Kufuneka:

f.



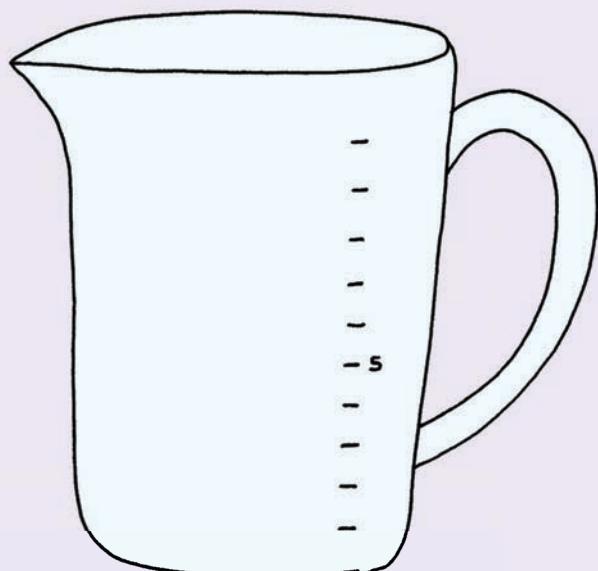
Kwisikhongozelo:

Kufuneka:



Bhala imilinganiselo kule jagi. Sikubonisile umlinganiselo wesi -5.

Fakela eminye imilinganiselo ejagini.

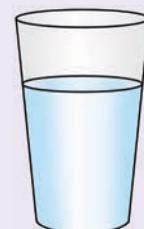


Ukuba ikomityi enye ilingana  
umlinganiselo omnye wejagi,  
zingaphi iikomityi ezifunekayo ukuze  
zifikelele kulo mlinganiselo:

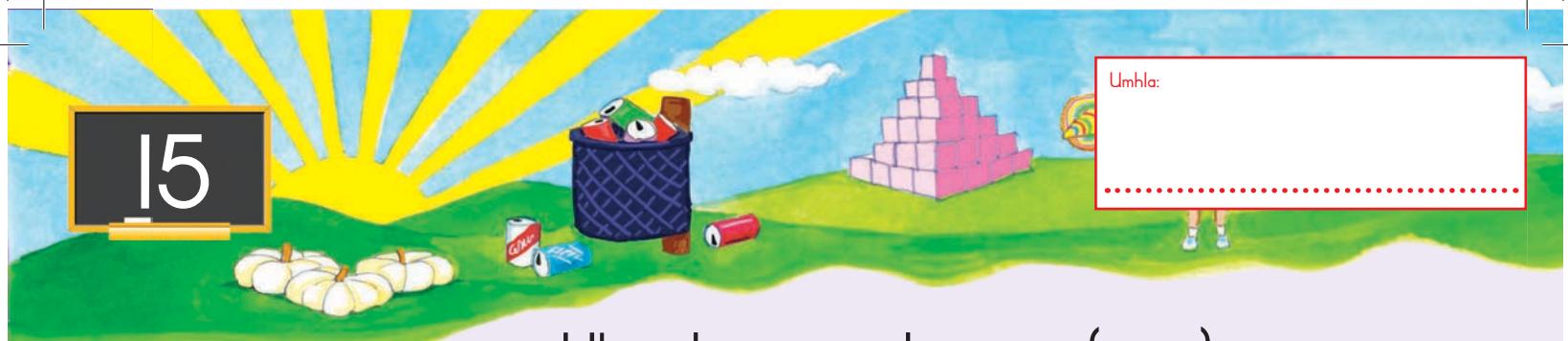
- a. 4 \_\_\_\_\_
- b. 6 \_\_\_\_\_
- c. 8 \_\_\_\_\_
- d. 10 \_\_\_\_\_



Phawula izikhongozelo ocinga ukuba zingathatha ulwelo olulingana ilitha e -I.



15

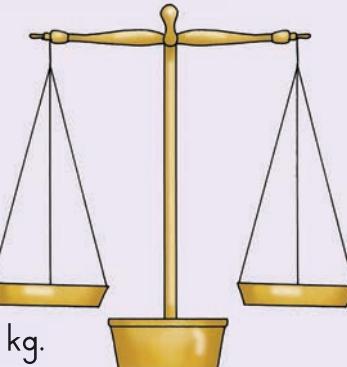


Umhla:

Ikota yoku-



Masinganise ubunzima bethu!

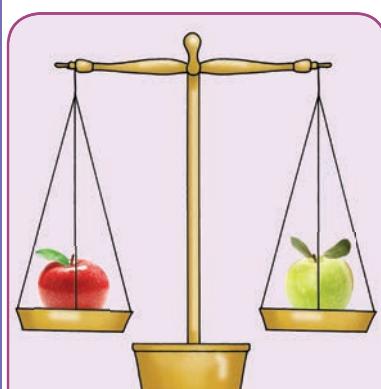


Ukuze sifumane ubunzima bethu, ukuba sisinda okanye sikhaphu-khaphu kangakanani sisebenzisa isikali.

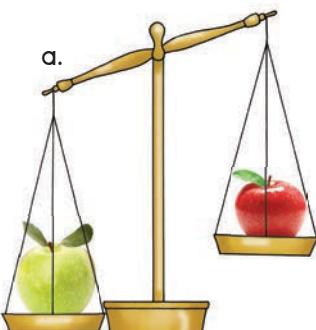
Ubunzima sibulinganisa **ngeekhilogramu**. Sisebenzisa esi sifinyezo: kg.  
Ngubani oyena unzima kakhulu?



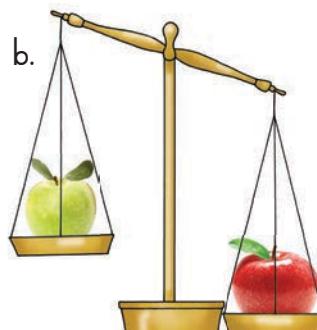
Sisebenzisa isikali ukuze sikwazi ukulinganisa ubunzima.



Ama-apile akwesi sikali anobunzima obulinganayo.



a. Phendula umbuzo, ubhale a okanye b.



Kukwesiphi isikali a pho iapile eliluhlaza linzima kuneapile elibomvu?

Kukwesiphi isikali a pho iapile eliluhlaza likhaphukhaphu kuneapile elibomvu?

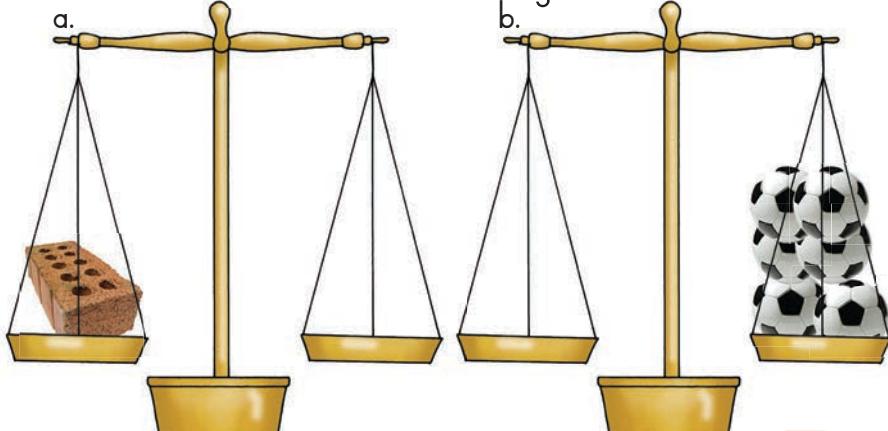


Linganisa izikali.

Sikwenzele eyokuqala.



Zoba ubonise ukuba ungafuna izitena okanye iibhola ezingaphi ukuze wenze esi sikali silingane macala.

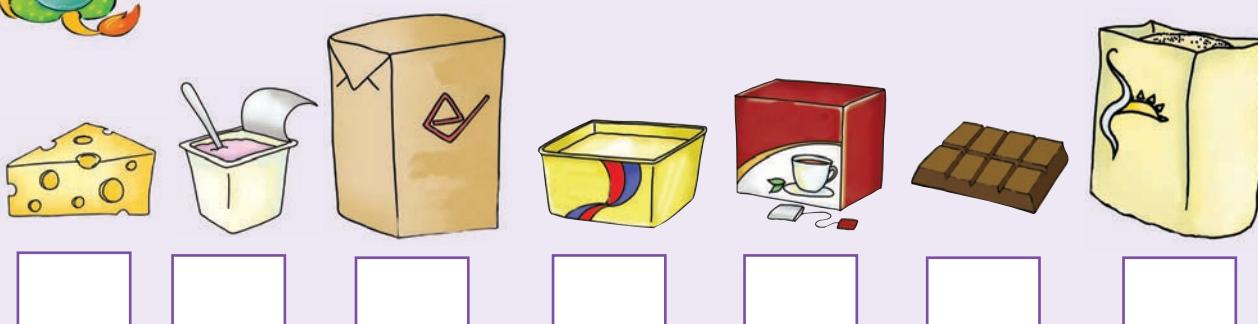


Ukuba ipasile enye inobunzima obuzii - 3 kg, ziya kuba nobunzima doungakanani ezi \_\_\_\_\_?

- Iipasile ezi - 2 \_\_\_\_\_ kg
- Iipasile ezi - 3 \_\_\_\_\_ kg
- Ndingakwazi na ukulinganisa iipasile ezi - 4 ngaxeshanye kwesi sikali sasekhitshini? \_\_\_\_\_



Phawula iibhokisi zeempendulo ezinezinto ezinobunzima obuyi - 1 kg.



16



Umhla:

Ikota yoku-



## Ukusebenza ngeenkukacha

Izihlangu eklasini.

Funda ibali.



Thabo: Yhoo, Titshalakazi! uJack sisigebenga! Unxiba u-6 esihlangwini!

Nksk. Khoza: Kunjalo Thabo, yisayizi enkulu leyo ukuba inganxietywa ngumntwana oneminyaka eli-q ubudala!  
Unxiba eyiphi isayizi wena, Thabo? Banxiba eziphi isayizi abanye apha eklasini?  
Masenze ubalo!

Abafundi bakhwaza iisayizi zezihlangu zabo ngabanye-ngabanye.

UNksk. Khoza ubhala iisayizi zezihlangu ebhodini.

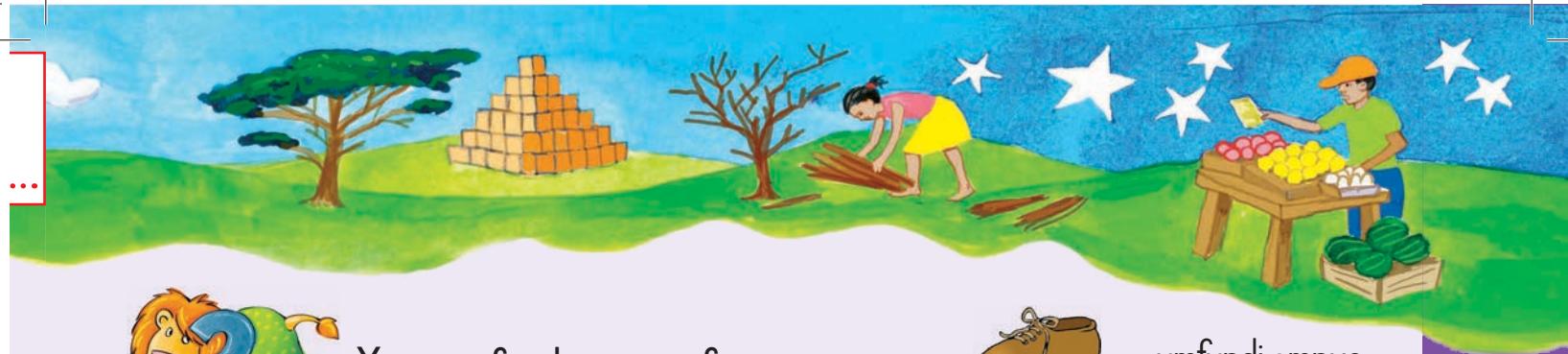
Nksk. Khoza: Balani, nandule ukubhala inani lesayizi nganye ekwitheyibhile.

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

Gcwala le theyibhile.

Iisayizi zezihlangu eklasini.

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



Yenza umfanekiso wegrafu.



= umfundi omnye

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



Phendula ngoku le mibuzo.

- a. Uninzi lwabafundi lunxiba usayizi \_\_\_\_\_ wezihlangu.
- b. Elona limbalwa inani linxiba usayizi \_\_\_\_\_.
- c. Ba \_\_\_\_\_ abantwana abathatthe inxaxheba kubalo.



Wena?

Fumanisa ukuba ninxiba eziphi iisayizi zezihlangu wena nabahlolo bakho!

- Sebenzisana neqela labantwana aba-6 ukuya kwabasi-8.
- Qokelela iinkcukacha.
- Bhala inani leesayizi zezihlangu phakathi kwitheyibhile.
- Thelekisa iimpendulo kunye namanye amaqela.



11 12 13 14 15 16 17 18 19 20  
||||| ||||| ||||| ||||| |||||

17



Ikota yoku -

## Thelekisa uze ulandeelanise amanani

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
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Leliphi inani eliphambi kwama-84? Leliphi inani eliza emva kwama-84?



Leliphi inani eliphakathi kwama-88 nama-90?



Fakela amanani angekhoyo.

51										
										67
71										
										100

Sebenzisa ibhodi yamanani uphendule imibuzo.

- Leliphi inani eliphambi kwama-68? \_\_\_\_\_
- Leliphi inani eliza emva kwama-68? \_\_\_\_\_
- Bhala amanani amahlanu anganeno kunama-71 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- Bhala amanani amahlanu amakhulu kunama-71 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- Ngawaphi amanani aphakathi kwama-79 nama-84? \_\_\_\_\_
- Bhala amanani uqale kwelona lincinci uye kwelona likhulu. 73, 52, 50, 59, 61 \_\_\_\_\_
- Bhala amanani uqale kwelona likhulu uye kwelona lincinci. 74, 96, 99, 91, 38 \_\_\_\_\_



Gqibezela itheyibhile. Qala ngenani olinikiweyo.

	linye ngaphezulu	linye nganeno	lishumi ngaphezulu	lishumi nganeno
25				
39				
74				
56				
40				



Biyela ngesangqa elona nani likhulu.

78	87	17	36	63	33
----	----	----	----	----	----

Biyela ngesangqa elona nani lincinci.

99	19	9	14	41	40
----	----	---	----	----	----



Ukuba olu phawu < luthetha **ukuba ncinci**, ze olu > luthetha **ukuba nkulu**, gqibezela:

32  < 64      23  > 18

57  98      89  57



Khangela amanani amahlanu kwiphephandaba aphakathi kwama-50 nama-qq  
uze uwancamathisele apha.



11 12 13 14 15 16 17 18 19 20



## Ixabiso lendawo ukuya kuma-qq



Ukubonisa amanani usebenzisa izinto

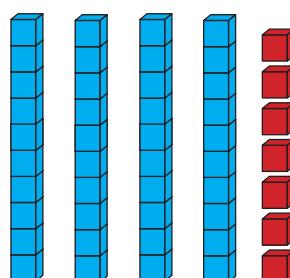
Siyakwazi ukubonisa amanani ngeebloko zamaxabiso eendawo.

Ibloko encinci imele u-I. Yiyunithi okanye ngumvo . Intonga yeebloko ezincinci ezilishumi imele i-IO. Lishumi.

Amashumi	Imivo
10	2
	2

Unokubonisa inani usebenzisa amashumi nemivo.

Nantsi indlela yokubonisa ama-47.



Amashumi	Imivo
4	7

Amashumi amane  
anesixhenxe  
47



## Ukubhala amanani ngokwemivo nangamagama

- a. Phantsi komfanekiso, bhala ukuba mangaphi amashumi nemivo.  
Emva koko bhala inani ngeesimboli namagama.

Amashumi	Imivo	Amashumi	Imivo
3	1		

31  
amashumi amathathu ananye



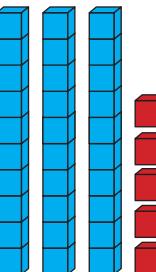
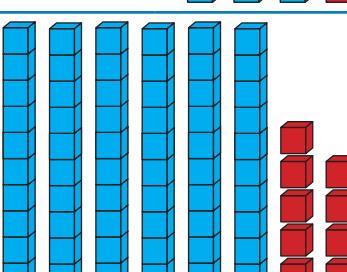
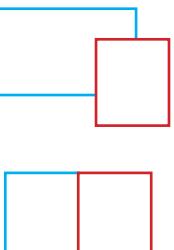
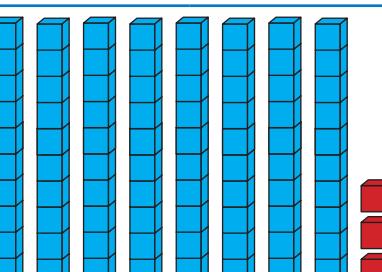
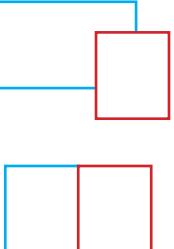
2 0 6      2 6

b. Singasebenzisa amakhadi ethu amanani sibonise oku.

Inani	Mangaphi amashumi?	Mingaphi imivo?	Bhala inani ngamazwi
26	2	6	amashumi amabini anesithandathu
46			
qq			

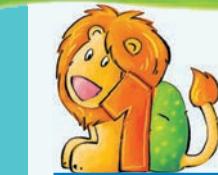


Ngubani eli nani?

	<p>3 0 5 3 5</p>	<table border="1"> <tr> <td>Amashumi</td><td>Imivo</td></tr> <tr> <td>3</td><td>5</td></tr> </table> <p>amashumi amathathu anesihlanu 35</p>	Amashumi	Imivo	3	5
Amashumi	Imivo					
3	5					
		<table border="1"> <tr> <td>Amashumi</td><td>Imivo</td></tr> <tr> <td></td><td></td></tr> </table> <p>_____</p>	Amashumi	Imivo		
Amashumi	Imivo					
		<table border="1"> <tr> <td>Amashumi</td><td>Imivo</td></tr> <tr> <td></td><td></td></tr> </table> <p>_____</p>	Amashumi	Imivo		
Amashumi	Imivo					

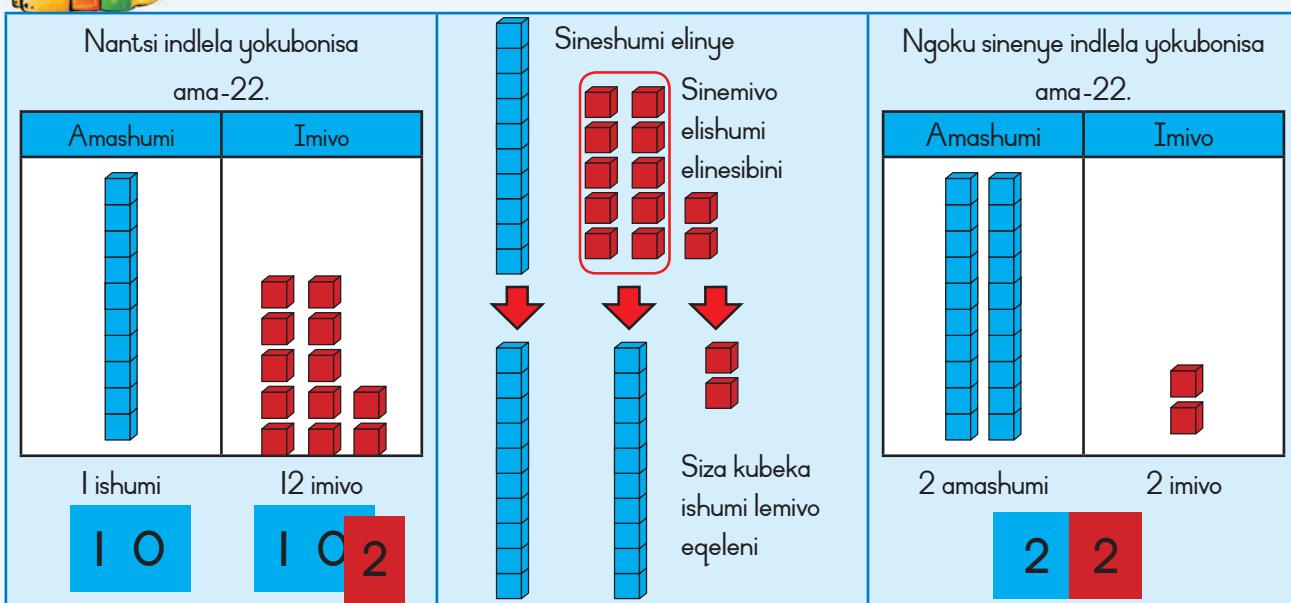


11 12 13 14 15 16 17 18 19 20



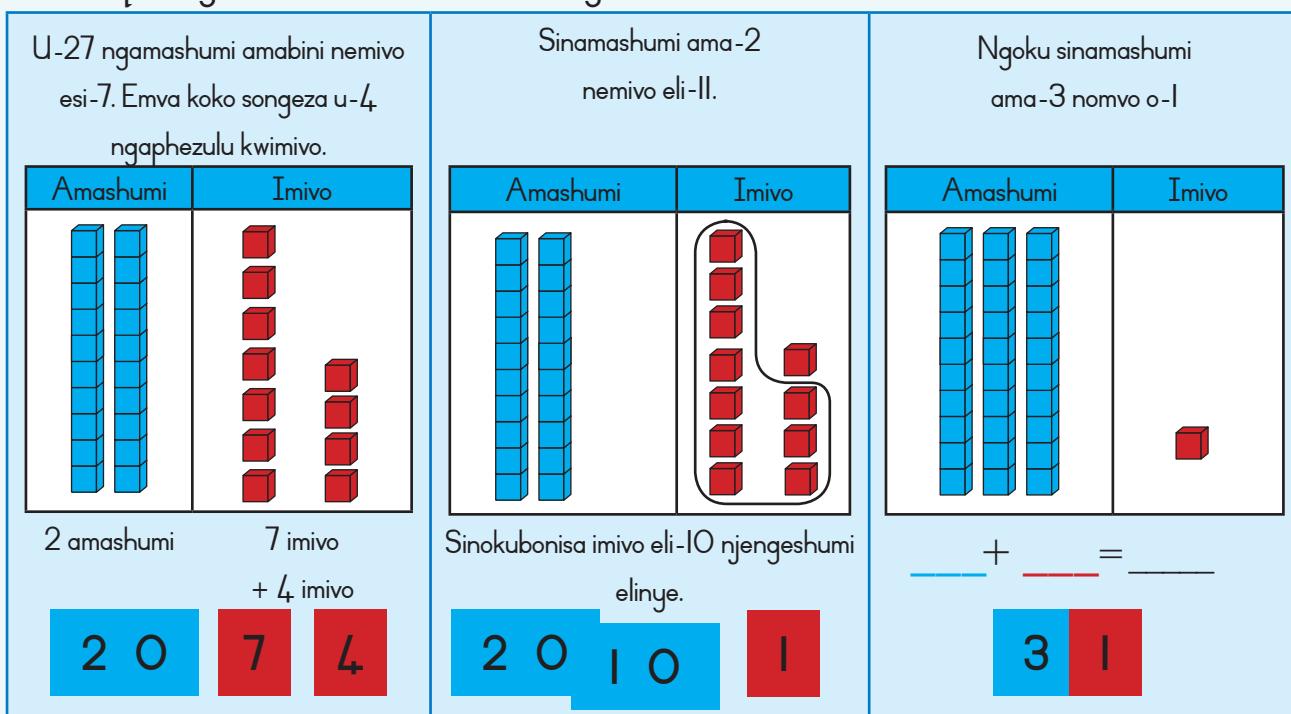
Funda

## Ukubeka amashumi ndawonye xa sidibanisa ukuya kuma-qq



Masidibanise  $27 + 4$

Siza kuqala ngeebloko ezibhulowu ze songeze ezibomvu.





## Bhala isivakalisi senani esiboniswa ngumfanekiso

Amashumi	Imivo	Amashumi	Imivo	Amashumi	Imivo
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
$10 + 5 + 6$	$\underline{\quad} + \underline{\quad} + \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$			

Gqibeza umfanekiso. Bhala izivakalisi zamanani eziboniswa ngumfanekiso.

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



20a

Umhla:

Ikota yoku - I

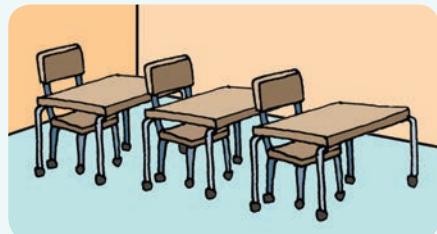
## Bala usebenzise umgca-manani

### Hlala edesiken!

Kwisikolo sethu umfundi ngamnye unedesika yakhe.

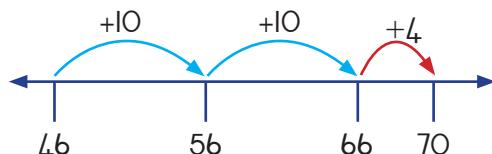
Kukho abafundi abangama-46 kwiBanga 3A nama-24

kwiBanga 3B. Zingaphi iidesika ezifunekayo kwiiklasi zombini?



### Sebenza nogxa wakho

Jonga ukuba aba bafundi bathathu bawusebenzise njani umgca manani ukubala beze nempendulo eyijo. Gqibezela isam usebenzise umzekelo ukuncede.



Ndenza ngolu hlobo: Kuqala ndongeza i-10. Oku kundifikasi kuma-56.

Emva koko nditsiba elinye i-10 ukuya kufika kuma-66. Okokugqibela, nditsiba isi-4 ngaphezulu ndiyokufika kuma-70.

$$\begin{aligned} &= 46 + 10 + 10 + 4 \\ &= 56 + 10 + 4 \\ &= 66 + 4 \\ &= 70 \end{aligned}$$

Kufuneka  
ndidibanise ama-  
24 kuma-46.

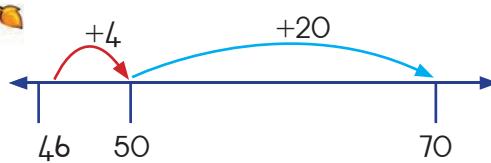


a.  $32 + 25 =$



b.  $52 + 26 =$

c.  $46 + 25 =$



Kufuneka  
ndidibanise ama-24  
kuma-46.



Ndenza oku kuqala: ndiqala nditsibe ka-4. Oku kuya kundibeka kuma-50.  
Ndingatsiba ama-20 ngaphezulu ze oko kundibeké kuma-70.

Bonisa ngamakhadi amanani.

$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$

a.  $36 + 41 =$



Teacher:

Sign:

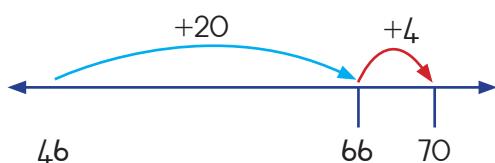
Date:

20b

Umhla:

## Bala usebenzise umgca-manani (kusaqhutywa)

b.  $57 + 19 = \square$



Kufuneka ndidibaniše  
ama-24 kuma 46.



Ndenza oku: Ndisuka kuma-46 nditsibe ama-20. Oko kundibeka kuma-66.  
Ngoku kufuneka nditsibe imitsi emi-4 ngaphezulu ze ndifike kuma-70.

$$\begin{aligned} &= 46 + 20 + 4 \\ &= 66 + 4 \\ &= 70 \end{aligned}$$

a.  $63 + 24 = \square$



b.  $65 + 29 = \square$





44

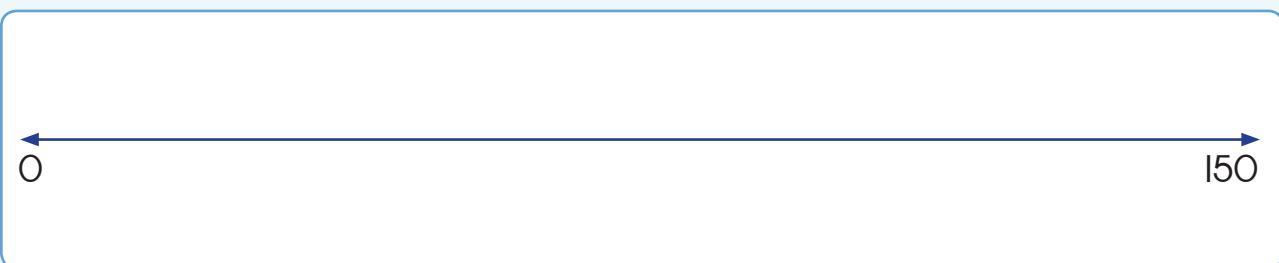
# Zingaphi ii lofu?

Umbhaki uhambisa iilofu  ezibhrawuni ezingama-54  kune nezimhlophe ezingama-68.

- a. Zingaphi iilofu zesonka zizonke?

For more information about the study, please contact Dr. John Smith at (555) 123-4567 or via email at [john.smith@researchinstitute.org](mailto:john.smith@researchinstitute.org).

- b. Fumana isiphumo kumgca-manani. Bonisa amanani kanye nobukhulu bemitsi.



Dibansa oku kulandelayo ungawusebenzisi umgca-manani.  
Sebenzisa nayiphi na indlela oyithandayo.

$38 + 24 =$

$58 + 17 =$

$75 + 16 =$

$83 + 29 =$



2|a

Umhla:

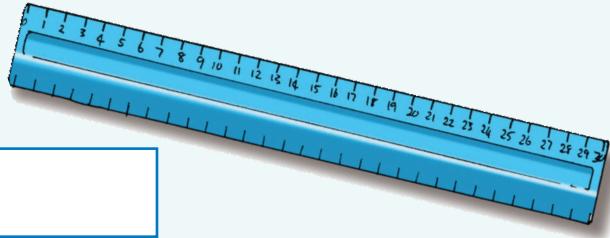
Ikota yoku-l

## Thabatha kumgca-manani

Umfundi omnye! Irula enye!

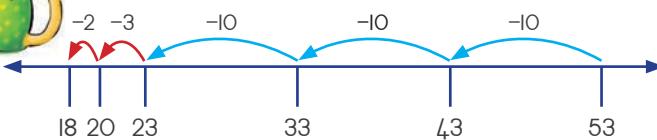
Iklasi ifuna iirula ezingama-53. Kukho ezingama-35.

Kufuneka ezingaphi ukuze ziphelele?  $53 - 35 =$



Sebenza nogxa wakho

Funda ukuba ngaba abafundi abathathu bawusebenzisa njani umgca-manani apha. Gqibezela isibalo usebenzise umgca-manani.



Ndithabathe ama-35  
kuma-53. Ukuthabatha  
kuthetha ukususa into  
kwenye.



Ngoku, ndiza kuqala kuma-53 ndithabathe. Ndiza kuthabatha i-10, 10,  
10 – oko kundibeka kuma-**23**. Ngoku ukuze ndithabathe isihlanu, kuqala  
ndithabatha ezi-3, ndifike kuma-**20**. Ndithabatha ezi-2 ngaphezulu ndize  
ndifike kwi-**18**.

Ngoko ke kufuneka iirula ezili-**18**.

$$= 53 - 10 - 10 - 10 - 3 - 2$$

$$= 43 - 10 - 10 - 3 - 2$$

$$= 33 - 10 - 3 - 2$$

$$= 23 - 3 - 2$$

$$= 20 - 2$$

$$= 18$$



a.  $68 - 24 = \boxed{\phantom{00}}$

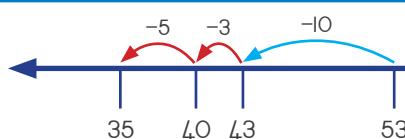
← →

b.  $74 - 38 = \boxed{\phantom{00}}$

← →

c.  $92 - 87 = \boxed{\phantom{00}}$

← →



Ukuthabatha kuthetha  
ukufumana umahluko phakathi  
kwama-53 nama-35.



Ndiza kuqala kuma-53 ndibale **ndiye kufika** kuma-35 ukufumana umahluko.

Xa ndibala ndibuya umva nge-10, ndifumana ama-43. Ndinokubala ndiye emva ngokongeza ezi-3 ukuya kuma-40. Emva koko ndibale ukuhla ngokongeza isi-5 ukuya kufika kuma-35. I-10 lidibanise nesi-3 nesihlanu li-18. Ngoko ke kufuneka sifumane iirula ezongeziwego ezili-**18**.

a.  $38 - 14 = \boxed{\phantom{00}}$

← →



Teacher:  
Sign:

Date:

2lb



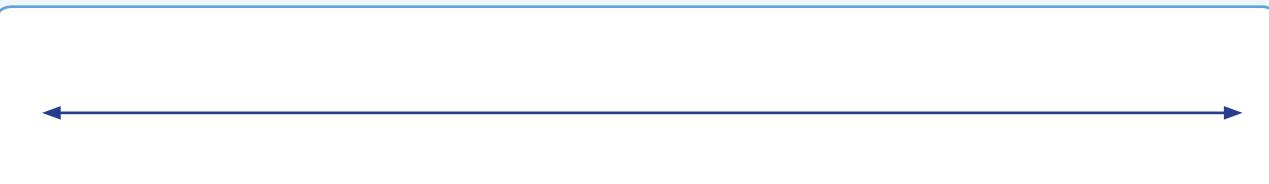
Umhla:

b.  $65 - 43 = \square$

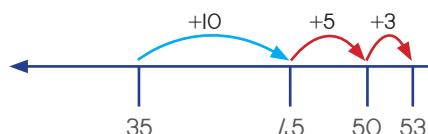
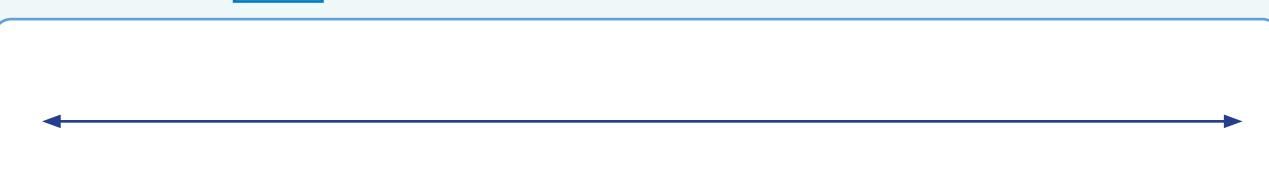
Thabatha kumgca-manani (kusaqhutywa)



c.  $72 - 39 = \square$



d.  $85 - 48 = \square$

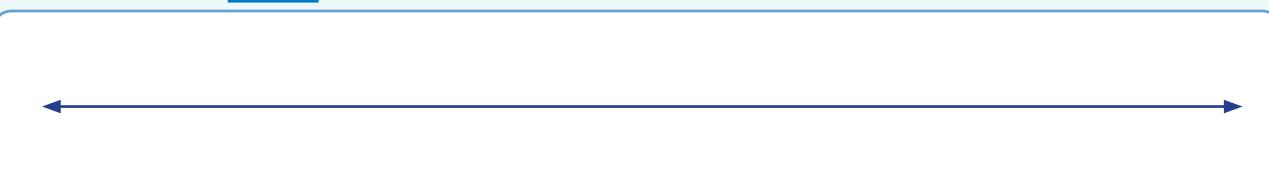


Ndingaqala ngama-35 ndize  
ndibone ukuba yimitsi emingaphi  
ukuya kufika kuma-53.



Ndinokuqala ngama-35 ndize ndibone ukuba mingaphi imitsi  
endiyithathayo ukubala ndiye kufika kuma-53. Ishumi olidibanise  
nezintlanu kunye nezintathu li-18. Kufuneka kongezwe iirula ezili-18.

a.  $84 - 32 = \square$





b.  $96 - 53 =$

← →

c.  $78 - 19 =$

← →

d.  $63 - 47 =$

← →



Uhambo ngetekisi

Ukuya edolophini ngetekisi ngama - 65km.

Okwango ku itekisi ihambe ama - 38km.

Kusafuneka ihambe kangakanani?

Sebenzisa umgca-manani ukusombulula le ngxaki.



← →

km





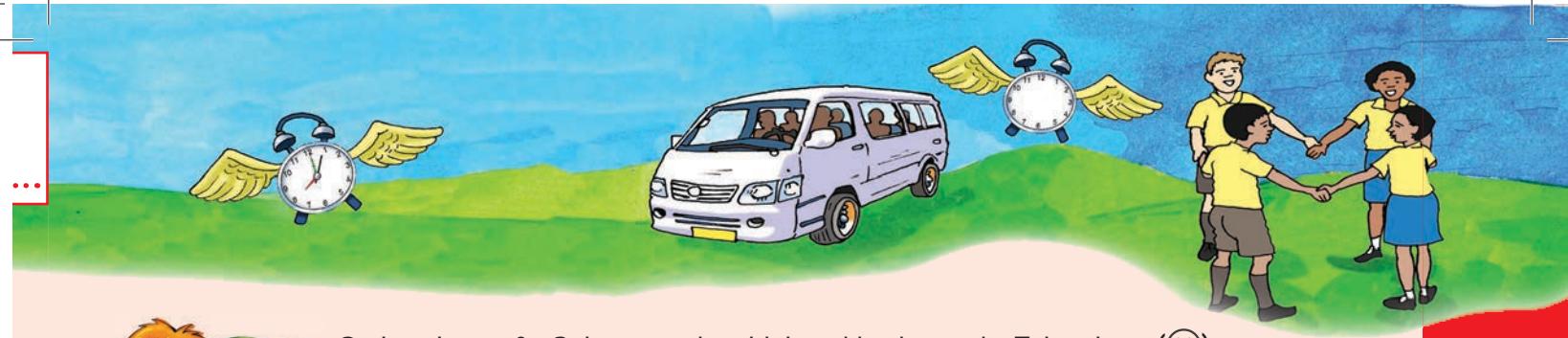
### Isicwangciso sokuqala!

UBusi ucela bonke abahlobo bakhe ukuba bafote okona kuya bakuthandayo kwepati.  
Uqokelele oku. Mncedise akuhlele.



Bala, uze ubhale ukuba bangaphi na abahlobo abakhetha udidi ngalunye lokutya.

Inani				



Gqibezela igrafu. Sebenzisa itheyibhile yakho ikuncede. Zoba ubuso (😊) kumntwana ngamnye okhetha olo hlobo lokutya okanye lwestiselo.

😊			
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Teacher:  
Sign:  
Date:

11 12 13 14 15 16 17 18 19 20

23

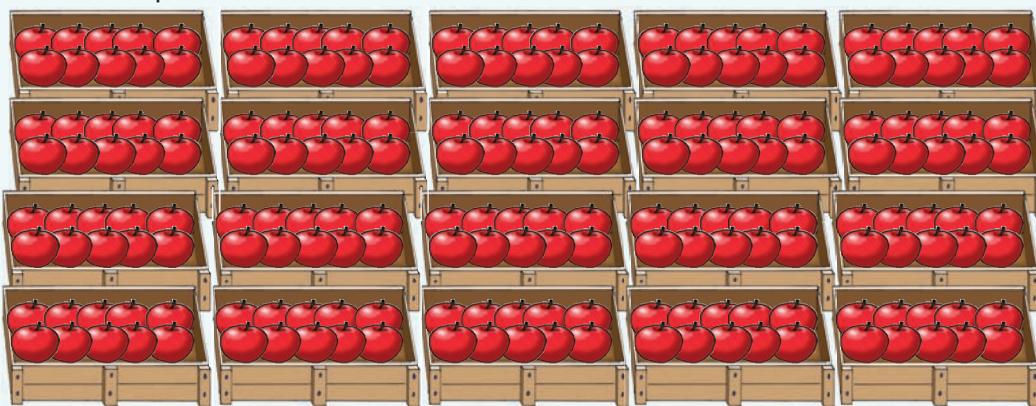


Umhla:

## Ukubala uyokufika kuma-200



Bala ama-apile.



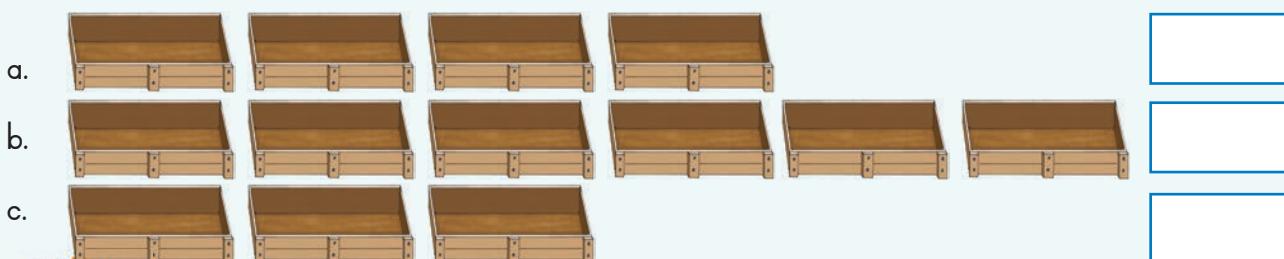
Fakela amanani

Ibhokisi e-l inama-apile a , umqolo o-l unama-apile a

Umqolo o-l uneebhokisi ezi , imiqolo emi-4 inama-apile a

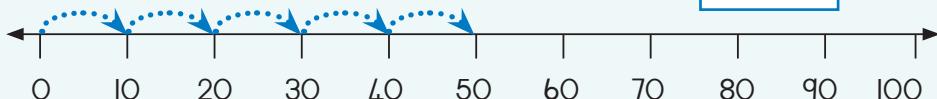


Mangaphi ama-apile esinokuwapakisha kwezi bhokisi?

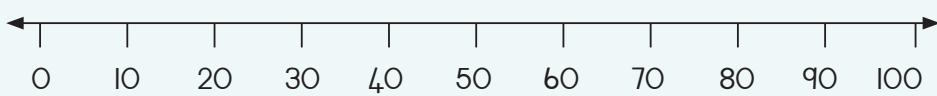


Bala kumgca-manani.

a. Mangaphi ama-apile aza kuba sezibhokisini ezintlanu?



b. Mangaphi ama-apile aza kuba sezibhokisini ezsixhenxe?





Iziqhuma ezi-3 ze-10 zenza - **3 0**  $3 \times 10 =$  **3 0** okanye  $10 \times 3 =$  **3 0**

iziqhuma ezi-5

ze-10 zenza

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

iziqhuma ezi-2

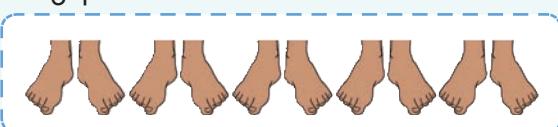
ze-10 zenza

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



Izibini ezi-5 zeenyawo.

Zingaphi iinzwane zizonke?



$$10 + 10 + 10 + 10 + 10 = \textcolor{blue}{5 0} \quad 5 \times 10 = \underline{\quad}$$

okanye  $10 \times 5 =$   

Bala nezi kwangolo hlobo.

Izibini ezi-4 zeenyawo. Zingaphi iinzwane?

$$\underline{\quad} = \textcolor{blue}{4} \quad \underline{\quad} \times \underline{\quad} = \underline{\quad} \text{ okanye } \underline{\quad} \times \underline{\quad} = \underline{\quad}$$

Izibini ezi-9 zeenyawo. Zingaphi iinzwane?

$$\underline{\quad} = \textcolor{blue}{9} \quad \underline{\quad} \times \underline{\quad} = \underline{\quad} \text{ okanye } \underline{\quad} \times \underline{\quad} = \underline{\quad}$$



Masibale ngama-10

10, 20, 30, 40, 50, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 200



**11 12 13 14 15 16 17 18 19 20**

24

Umhla:

Ikota yoku-l



Zingaphi iintlanzi? Qikelela



Bala ke ngoku iintlanzi. Nika inani lazo zonke.



Bala ngezi-5

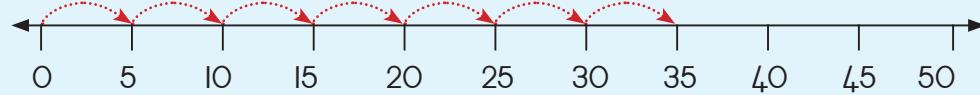
Fumana inani elipheleleyo lamaqanda entlanzi.

Bhala isivakalisi samanani soku-+ noku- $\times$ . Sikwenzele umzekelo wokuqala.

Iintlanzi namaqanda	Mangaphi amaqanda ewonke?
Iintlanzi ezi-5, inye ibeka amaqanda ama-2	$2 + 2 + 2 + 2 + 2 = 10$
Iintlanzi ezi-5, inye ibeka amaqanda ali-10	
Iintlanzi ezi-5, inye ibeka amaqanda ama-4	
Iintlanzi ezi-5, inye ibeka amaqanda ama-3	
Iintlanzi ezi-5, inye ibeka amaqanda ama-6	
Iintlanzi ezi-5, inye ibeka amaqanda asi-8	
Iintlanzi ezi-5, inye ibeka amaqanda ama-5	



## Gqibezele izivakalisi zamanani kunye nemigca-manani



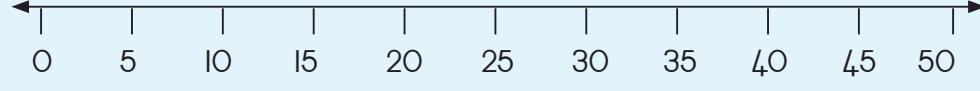
$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35} \quad \text{okanye } \boxed{7} \times \boxed{5} = \boxed{35}$$

a.



$$5 + 5 + 5 + 5 = \boxed{\phantom{00}} \quad \text{okanye } \boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{00}}$$

b.



$$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{\phantom{00}} \quad \text{okanye } \boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{00}}$$

c.



$$\underline{\phantom{0}} + \underline{\phantom{0}} = \boxed{\phantom{00}} \quad \text{okanye } 10 \times 5 = 50$$



Bamba intlanzi



USipho ubamba iintlanzi eziphakathi kwama-40 nama-50. Uzibala ngezi-2 aze  
ashiyekelwe yenye.  Uzibala ngezi-5 aze ashiyekelwe zezi-2.

Zingaphi iintlanzi ezibanjwe nguSipho.



25a

Umhla:

Ikota yoku-l



Bala iikawusi

## Bala ngezi-2



- Zingaphi izibini zekawusi? \_\_\_\_\_
- Zingaphi iikawusi ezikhoyo? \_\_\_\_\_
- Zikhona iikawusi ezishiye kileyo? \_\_\_\_\_



## Masibale izibini zeekawusi

Bhala inani lezibini zeekawusi ezikhoyo, utsho ukuba ingaba zikhona na ezishiye kileyo.

Iikawusi	Inani lezibini	Inani leekawusi	Iikawusi ezingenamati ezishiye kileyo
			
			
			
			
			



25b



Umhla:



## Bala ngezi-2 (zisaqħutuwa)

Ukwakha izibini

Bhala amanani angoonombini kunye nayiminqakathi ukusuka ku-l uye kuma-60.

- a. Bhala amanani angoonombini ukusuka ku-l ukuya kuma-60.

2, 4, 6,

---



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- b. Bhala amanani ayiminqakathi ukusuka ku-l ukuya kuma-60

3, 5, 7,

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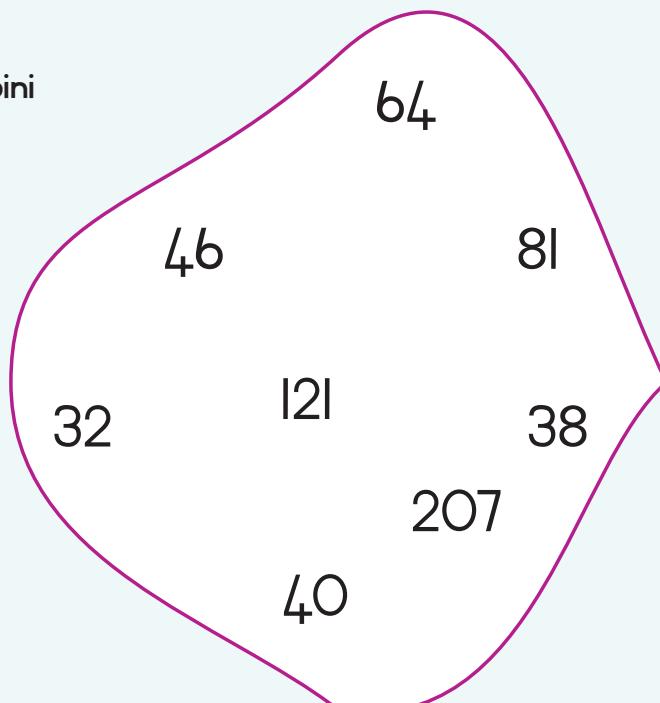
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Iminqakathi noonombini

Yenza isangqa kumanani angoonombini.

Yenza isikwere kumanani ayiminqakathi.





Ukusuka kwizibini ukuya ezikawusini

Umzekelo:

$$\text{Iikawusi ezi-2} = \text{Isibini esi-1}$$



$$2 \times 1 = 2$$

$$\text{Iikawusi ezingama-20} = \text{Izibini ezili-10}$$

$$2 \times 10 = 20$$

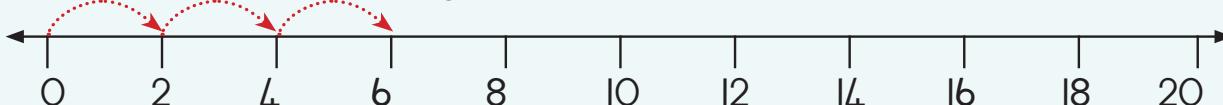
a. Bhala inani leekawusi.

Cinga ngezi-2	Isivakalisi samanani
Isibini esi-1 = iikawusi ezi-2	$2 \times 1 = 2$
Izibini ezi-2 = iikawusi ezi _____	$2 \times 2 = \square$
Izibini ezi-4 = iikawusi ezi _____	
Izibini ezi-8 = iikawusi ezi _____	
Izibini ezili-9 = iikawusi ezi _____	

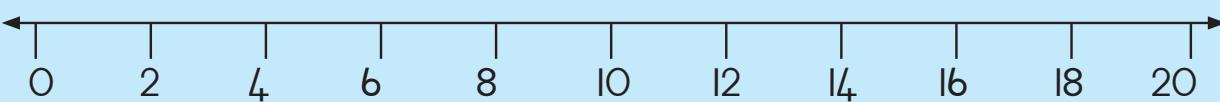
b. Bonisa isiphumo kumgca-manani uze ugqibezele.

Umzekelo:

$$2 + 2 + 2 = 6 \text{ okanye } 3 \times 2 = 6$$



$$2 + 2 + 2 + 2 + 2 + 2 + 2 = \square \text{ okanye } \square \times \square = \square$$



Umhla:

## Imali yakudala neyangoku



### Ibali lemali yethu

EMzantsi Afrika sisebenzisa iirandi neesenti njengemali yethu. Saqala ukusebenzisa iirandi neesenti ngonyaka ka-1961.

Ngezo ntsuku ingqekembe yesenti enye yayiyeyona incinane, ilandelwa yeyee-2c kwandule ukuza kweyee-5c.





Bala iisenti

Yenza irandi enye.

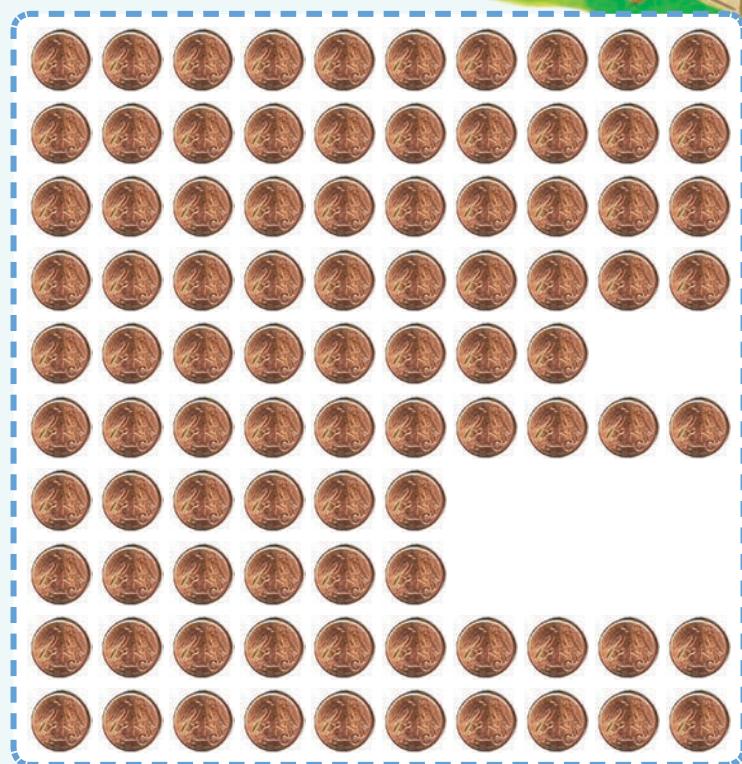
Zingaphi iisenti ezikhoyo?

Kusafuneka ezingaphi ukuze ukwazi ukwenza i-R1,00?

Zizobe.



Zingaphi iisenti?



R1,00 =

c

R2,00 =

c

R3,00 =

c

R1,50 =

c



Ndingathenga iziqhamo ezingakanani?



2 zixabisa i-R4,00.



axabisa i-R2,00.

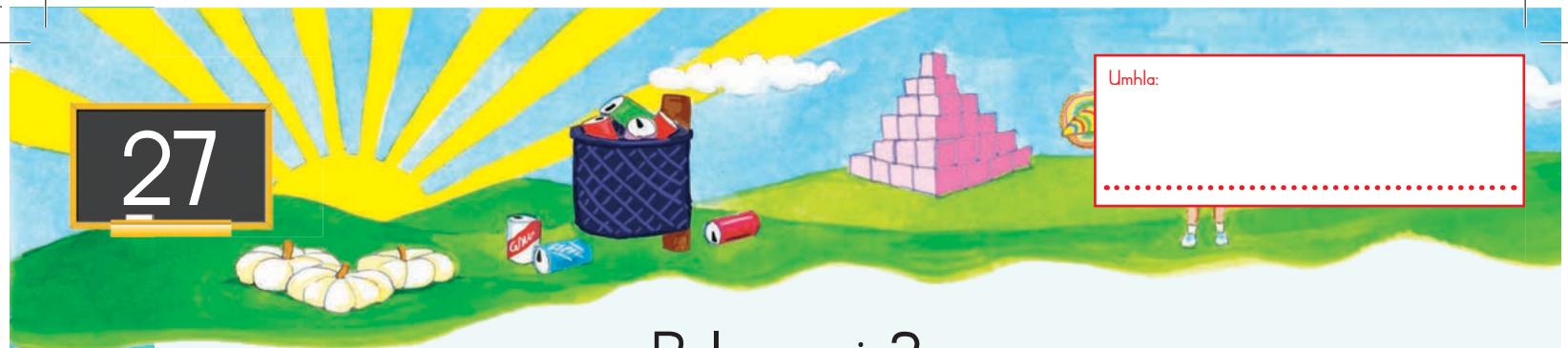
Zingaphi iibhana zama -R20,00?

Mangaphi ama-apile nge -R9,00?



11 12 13 14 15 16 17 18 19 20

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Umhla:

## Bala ngezi-3



Amavili abalwa ngezi-3



Iitrayisekile enye inamavili ama \_\_\_\_\_.



Iitrayisekile ezi-5 zinamavili ali \_\_\_\_\_.

$3 + 3 + 3 + 3 + 3 = 5 \times 3 = _____$

Iitrayisekile ezi-2 zinamavili ama \_\_\_\_\_.

$3 + 3 = 2 \times 3 = _____$

Iitrayisekile ezi-4 zinamavili ali \_\_\_\_\_.

Iitrayisekile ezi-6 zinamavili ali \_\_\_\_\_.

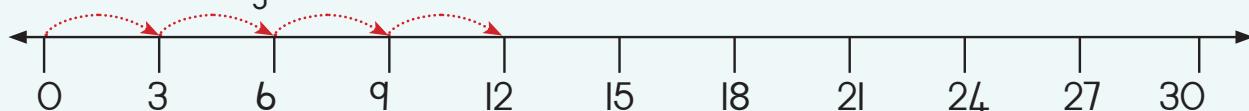
Iitrayisekile ezili-9 zinamavili angama \_\_\_\_\_.

Iitrayisekile ezisi-8 zinamavili angama \_\_\_\_\_.

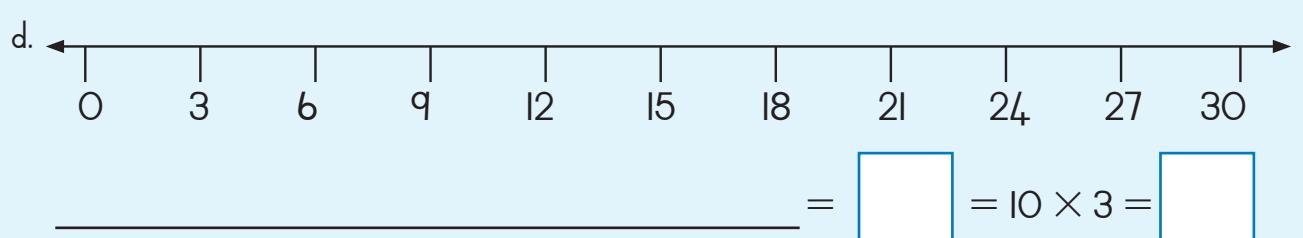
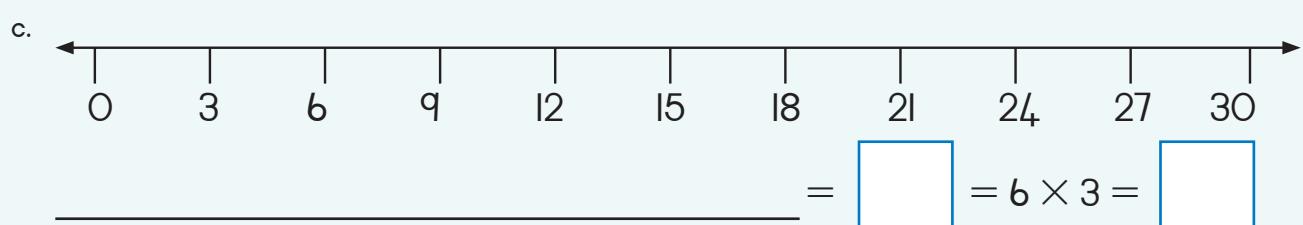
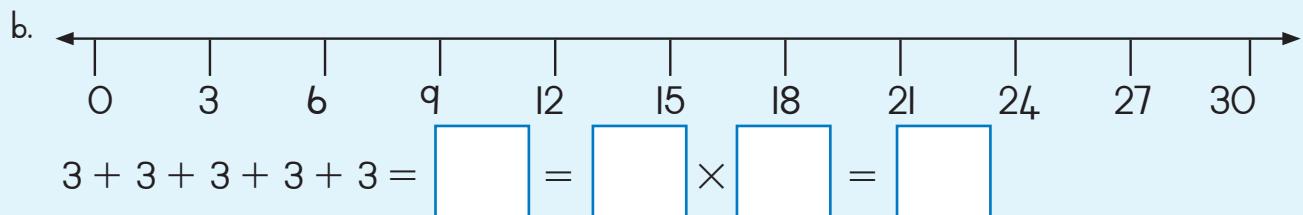


Imigca-manani

Jonga umzekelo.



a.  $3 + 3 + 3 + 3 = \boxed{ } = 4 \times 3 = \boxed{ }$



Iibhayisekile kunge neetrayisekile



UBusi ubala amavili eebhayisekile naweetrayisekile evenkileni yazo:

Ewonke la mavili ali-14.

Zingaphi iibhayisekile ezikhoyo? \_\_\_\_\_

Zingaphi iitrayisekile ezikhoyo? \_\_\_\_\_



Teacher:  
Sign:

Date:

11 12 13 14 15 16 17 18 19 20

||||| ||||| ||||| ||||| ||||| |||||

28



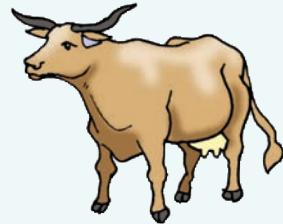
Umhla:

Ikota yoku-l



Imilenze emine

Amanani aphindaphindwe  
ngesi-4 ...  
 $4 + 4 = 8; 2 \times 4 = 8$



Iinkomo zinemilenze emine.

Zeziphi ezinye izinto eziza zinenani elingu-4? \_\_\_\_\_



Bala imilenze

Nokolani ngeependulo.  
Cacisa ukuba wenze ntoni.

Sebenzisa iinyaniso ozaziyo ngezi-4 uphendule le mibuzo.

inkomo e-1		<input type="text" value="4"/>	imilenze	iinkomo ezi-2		<input type="text" value="8"/>	imilenze
iinkomo ezi-3		<input type="text"/>	imilenze	iinkomo ezi-4		<input type="text"/>	imilenze
iinkomo ezi-5		<input type="text"/>	imilenze	iinkomo ezi-6		<input type="text"/>	imilenze
iinkomo ezi-7		<input type="text"/>	imilenze	iinkomo ezisi-8		<input type="text"/>	imilenze
iinkomo ezili-9		<input type="text"/>	imilenze	iinkomo ezili-10		<input type="text"/>	imilenze



Gqibezela le theyibhile ingasezantsi.

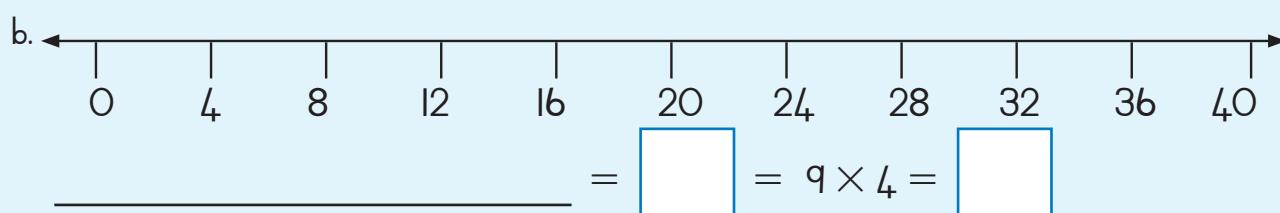
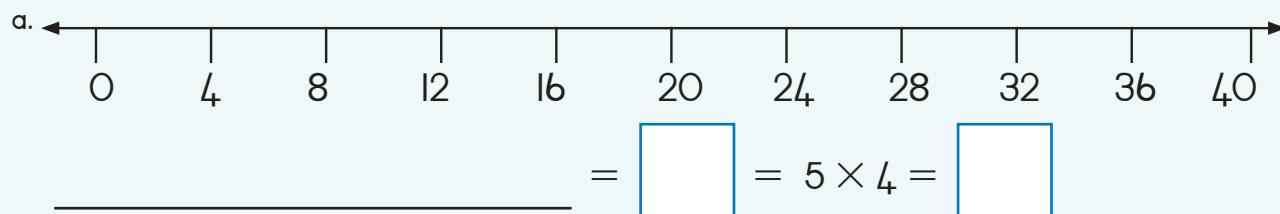
Sebenzisa umzekelo owunikiwego ukuncede.

Iinkomo ezi-3 zinemilenze e _____	$4 + 4 + 4 = 3 \times 4 =$ <u>12</u>
Iinkomo ezi-5 zinemilenze e _____	
Iinkomo ezi-4 zinemilenze e _____	
Iinkomo ezisi-7 zinemilenze e _____	
Iinkomo ezisi-8 zinemilenze e _____	

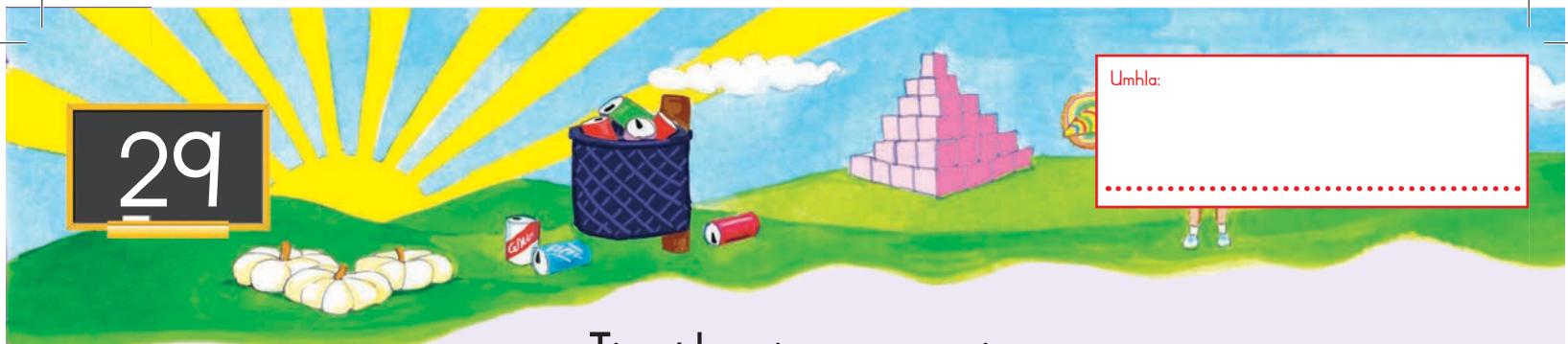


### Imigca-manani

Bonisa isibalo sophinda-phindo kumgca-manani uze uwuggibezele ngokusebenzisa imitsi.



29



# Ipathereni zamani



## Igridi yepatheni

Yeyiphi ipatheni yamanani eboniswa zizanqqa kwiqriddi nqanye ye-100?

Zoba ezinye izanqqa uqqibezele ipatheni nqanye.

Thiya ipatheni nganye igama.

a. Ipatheni: \_\_\_\_\_

A Go board diagram consisting of a 19x19 grid of light blue lines. In the center column, there are seven black circular stones placed vertically at intersections B8, C8, D8, E8, F8, G8, and H8. The intersections are labeled with letters A through H along the top and bottom rows, and numbers 8 through 19 along the left and right columns.

b. Ipatheni:

A 10x10 Go board with black stones at (1,1), (1,2), (1,3), (1,4), (1,5), (2,1), (2,2), (2,3), (2,4), (2,5), (3,1), (3,2), (3,3), (3,4), (3,5), (4,1), (4,2), (4,3), (4,4), (4,5), (5,1), (5,2), (5,3), (5,4), (5,5) and white stones at (1,6), (1,7), (1,8), (1,9), (1,10), (2,6), (2,7), (2,8), (2,9), (2,10), (3,6), (3,7), (3,8), (3,9), (3,10), (4,6), (4,7), (4,8), (4,9), (4,10), (5,6), (5,7), (5,8), (5,9), (5,10).

c. Ipatheni:

A Go board diagram illustrating a local variation of the Three-Point Connection rule. The board is a 19x19 grid with stones placed at various points. The stones are represented by small circles. The variation shown is as follows:

- At the top edge, there are two black stones at (1, 1) and (1, 2).
- At the bottom edge, there is one black stone at (19, 1).
- At the right edge, there are two black stones at (1, 19) and (2, 19).
- At the left edge, there is one black stone at (1, 19).
- In the center, there is one white stone at (10, 10).
- Surrounding the central white stone are 12 black stones arranged in a hexagonal pattern: (9, 9), (11, 9), (10, 8), (10, 11), (9, 10), (11, 10), (9, 11), (11, 11), (9, 12), (11, 12), (10, 13), and (10, 12).

This configuration creates a local variation where the three points required for connection are not aligned horizontally or vertically, but rather form a hexagonal cluster around the central white stone.

d. Ipatheni:

A 19x19 Go board with 10 stones placed on it. The stones are arranged in a pattern where each row contains 2 stones. The first row has stones at (1, 3) and (1, 11). The second row has stones at (2, 2) and (2, 10). The third row has stones at (3, 1) and (3, 9). The fourth row has stones at (4, 4) and (4, 12). The fifth row has stones at (5, 5) and (5, 13). The sixth row has stones at (6, 6) and (6, 14). The seventh row has stones at (7, 7) and (7, 15). The eighth row has stones at (8, 8) and (8, 16). The ninth row has stones at (9, 9) and (9, 17). The tenth row has stones at (10, 10) and (10, 18).

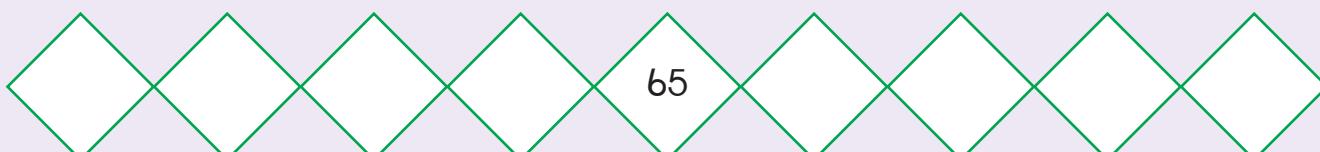


## Zenzele ezakho iipatheni

- a. Kule patheni yamanani onke amanani angoonombini. Amanye amanani ayintoni?  
Wabhale phantsi.



- b. Kule patheni yamanani onke amanani ayiminqakathi. Amanye amanani ayintoni? Wabhale phantsi.



## Zingena phi?



Ipatheni yezi-3 nezi-4

umzekelo 48

Ipatheni yezi-3 nezi-5

Ipatheni yezi-4 nezi-5



## Elwandle

uThembu uqokelela amagobhoza oonokrwece  
aphakathi kwama-**60** nama-**70**. Xa ewabala ngezi-3,  
kushiyeka elinye. Isenokuba ngala manani: 61, \_\_\_\_\_, \_\_\_\_\_, 70, Xa  
ebala ngezi-5 kushiyeka ama-4.  
Isenokuba ngala manani: \_\_\_\_\_, \_\_\_\_\_.  
Bangaphi oonokrwece anabo uThembu? \_\_\_\_\_.



**11 12 13 14 15 16 17 18 19 20**

30a

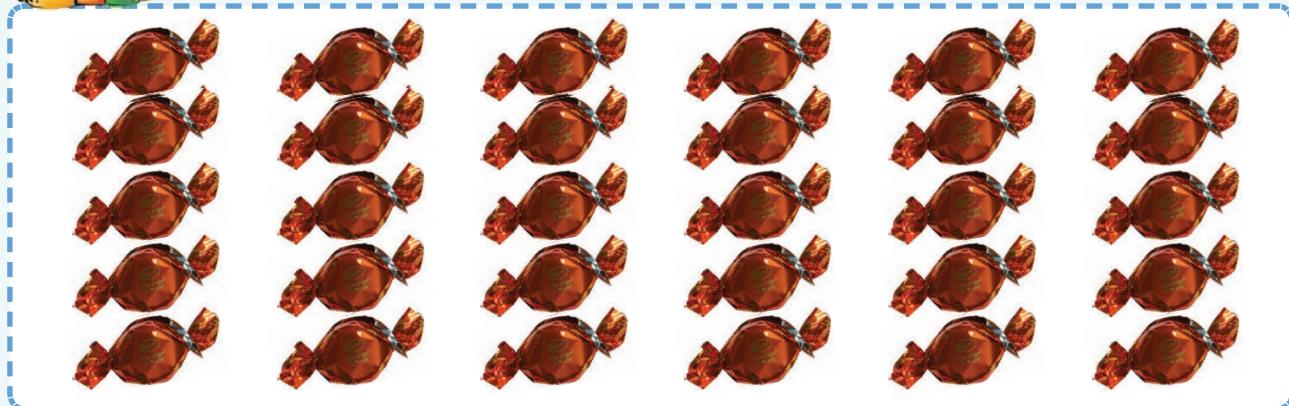
Umhla:

Ikota yoku-l



Yaba iilekese:

## Ukwahlula



- a. Yabela abantwana aba-2 iilekese ezingama-30.



Oku singakubhala ngolu hlobo:

$$30 \div 2 = 15$$

- b. Yaba ezi lekese phakathi kwabantwana aba-3.



$$\div =$$

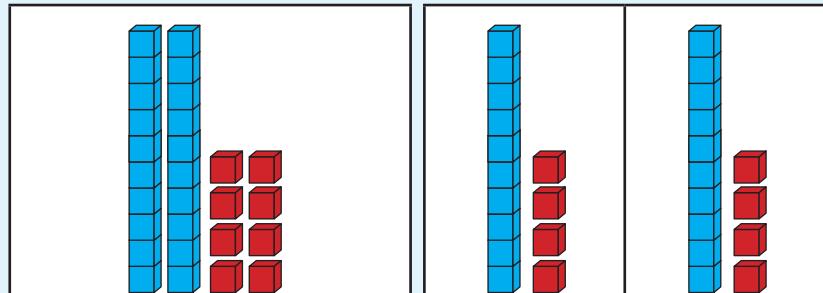
- c. Yahlulela abantwana aba-5 iilekese



$$\div =$$



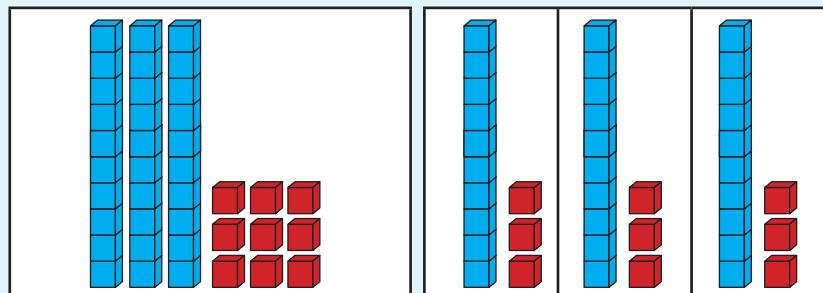
Singasebenzisa iibloko zamanani ukuze sikhazi ukwahlula.



$$\begin{array}{r} 2 \ 8 \\ \div \ 2 \\ = \ 1 \ 4 \end{array}$$

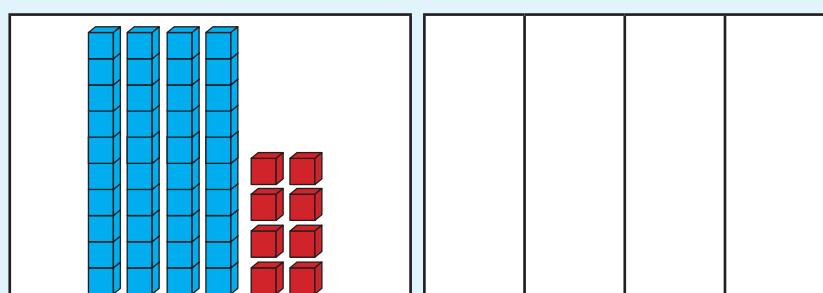
Ngoku yenzo oku.

a.



$$\begin{array}{r} \square \ \square \\ \div \ 3 \\ = \ \square \ \square \end{array}$$

b.



$$\begin{array}{r} \square \ \square \\ \div \ 4 \\ = \ \square \ \square \end{array}$$



Teacher:  
Sign:  
Date:

30b

Umhla:

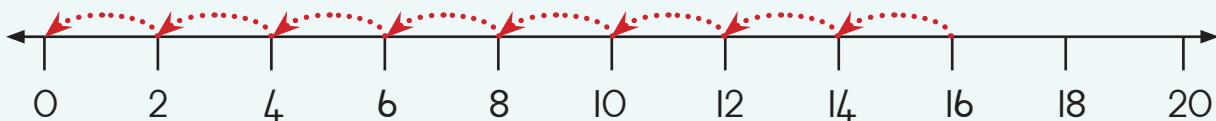
Ikota yoku - I

## Ukwahlula (kusaqhutywa)



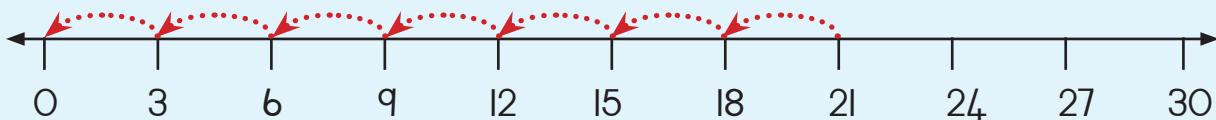
Sebenzisa imigca-manani ubhale isivakalisi-manani sokuthabatha nokwahlula.

Umzekelo:



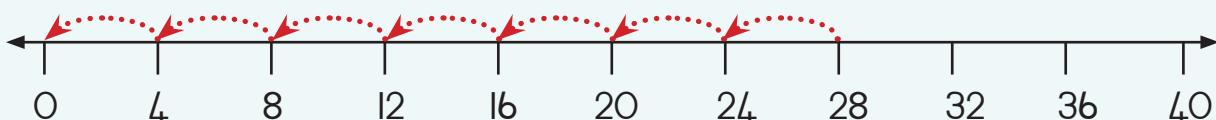
$$16 - 2 - 2 - 2 - 2 - 2 - 2 - 2 = 0$$

$$16 \div 2 = 8$$



$$21 - \underline{\quad} =$$

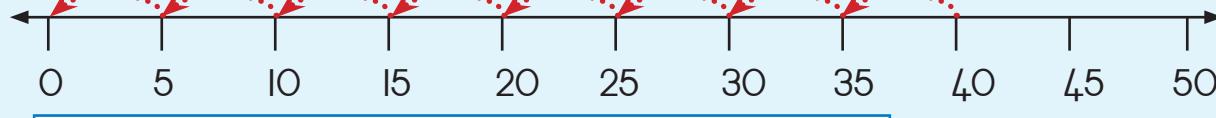
$$\boxed{\quad} \div \boxed{\quad} =$$



$$28 - \underline{\quad} =$$

$$\boxed{\quad} \div \boxed{\quad} =$$

c.



$$\underline{\quad} - \underline{\quad} =$$

$$\boxed{\quad} \div \boxed{\quad} =$$



Yenza umgca-manani ubale.

a.  $30 \div 5 =$



b.  $22 \div 2 =$



c.  $27 \div 3 =$



d.  $32 \div 4 =$



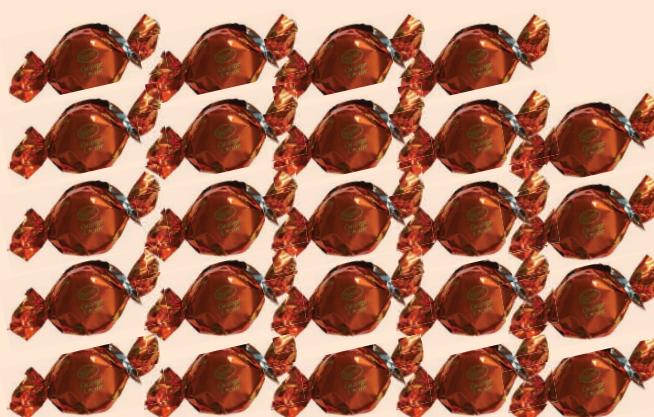
e.  $25 \div 5 =$



### Umngeni

Bonisa zonke iindlela  
onokuzisebenzisa ukwahlula  
ngokulinganayo iihekese  
ezingama-24 phakathi  
kwamaqela ahlukeneyo  
abantwana.

Bhala isivakalisi samanani  
ubonise impendulo yakho.

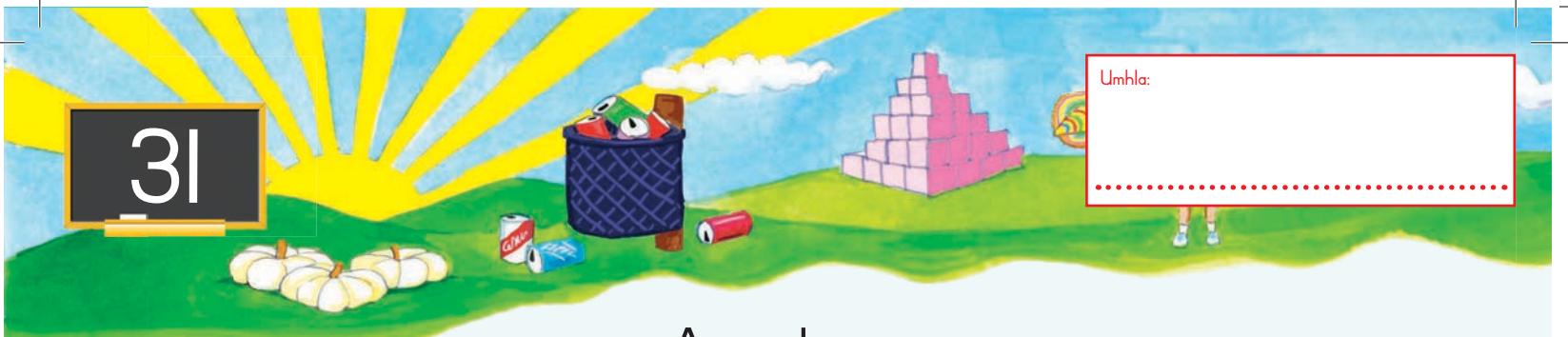


Teacher:

Sign:

Date:

31

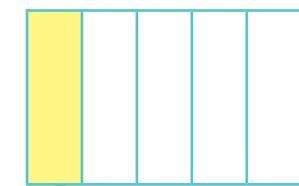


Umhla:

Ikota yoku-l

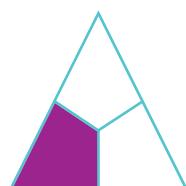


Krwela imigca ukuze utshatise imilo kunye neqhezu:



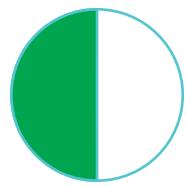
Isinye esithathwini

$$\frac{1}{6}$$



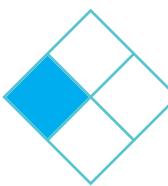
Isinye kwisihlanu

$$\frac{1}{5}$$



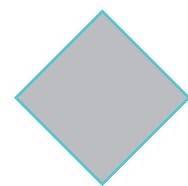
Ikota

$$\frac{1}{2}$$



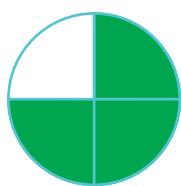
Isiqingatha

$$\frac{1}{4}$$



Ikota ezintathu

$$\frac{3}{4}$$



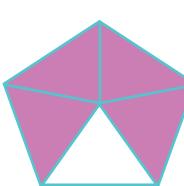
Isine kwisihlanu

$$\frac{1}{4}$$



Into enye epheleleyo

$$\frac{1}{3}$$

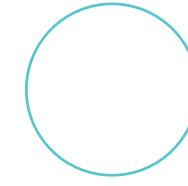


Isibini kwisithathu

$$\frac{2}{5}$$

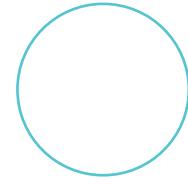
Yahlula ze ufake umbala

$$\frac{1}{2}$$



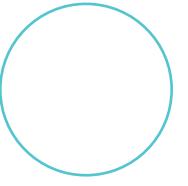
Isiqingatha

$$\frac{1}{3}$$



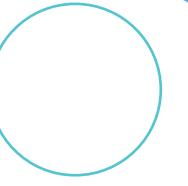
Isinye esithathwini

$$\frac{1}{4}$$



Ikota

$$\frac{1}{5}$$



Isinye kwisihlanu

Bonisa iqhezu olinikiweyo leelekese:

$$\frac{1}{2}$$



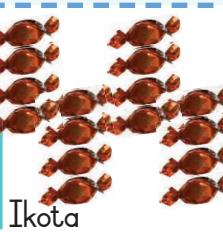
Isiqingatha

$$\frac{1}{3}$$



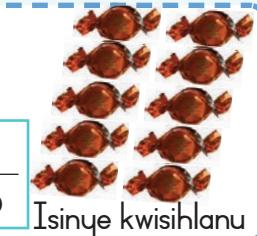
Isinye esithathwini

$$\frac{1}{4}$$



Ikota

$$\frac{1}{5}$$



Isinye kwisihlanu



Yahlulela abantwana ababini izinto zokubala.



<table border="1"> <tr> <td></td><td></td></tr> <tr> <td></td><td></td></tr> </table>					<table border="1"> <tr> <td></td><td></td></tr> <tr> <td></td><td></td></tr> </table>					<table border="1"> <tr> <td></td><td></td></tr> <tr> <td></td><td></td></tr> </table>					<table border="1"> <tr> <td></td><td></td></tr> <tr> <td></td><td></td></tr> </table>				
<ul style="list-style-type: none"> <li>Sifumene izibalisi ezi - <b>2</b> emnye. Isiqingatha sezinto zokubala ezi - <b>4</b> ngu - <b>2</b>.</li> </ul>	<ul style="list-style-type: none"> <li>Sifumene izibalisi ezi - <b> </b> emnye.</li> <li><b> </b> sezinto zokubala <b> </b>.</li> </ul>	<ul style="list-style-type: none"> <li>Sifumene izibalisi ezi - <b> </b> emnye.</li> <li><b> </b> sezinto zokubala <b> </b>.</li> </ul>	<ul style="list-style-type: none"> <li>Sifumene izibalisi ezi - <b> </b> emnye.</li> <li><b> </b> sezinto zokubala <b> </b>.</li> </ul>																
$4 \div 2 = 2$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$																



Yahlulela abantwana iilekese.

<table border="1"> <tr> <td></td><td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td><td></td></tr> </table>									<table border="1"> <tr> <td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td></tr> </table>						
<ul style="list-style-type: none"> <li>ikota yeelekese</li> <li>iikota ezimbini zeelekese = <b> </b></li> <li>iikota ezintathu zeelekese = <b> </b></li> <li>iikota ezine zeelekese = <b> </b></li> </ul>	<ul style="list-style-type: none"> <li>isithathu seelekese = <b> </b></li> <li>izithathu ezibini zeelekese = <b> </b></li> <li>izithathu ezithathu zeelekese = <b> </b></li> </ul>														





Umhla:



Iwotshi

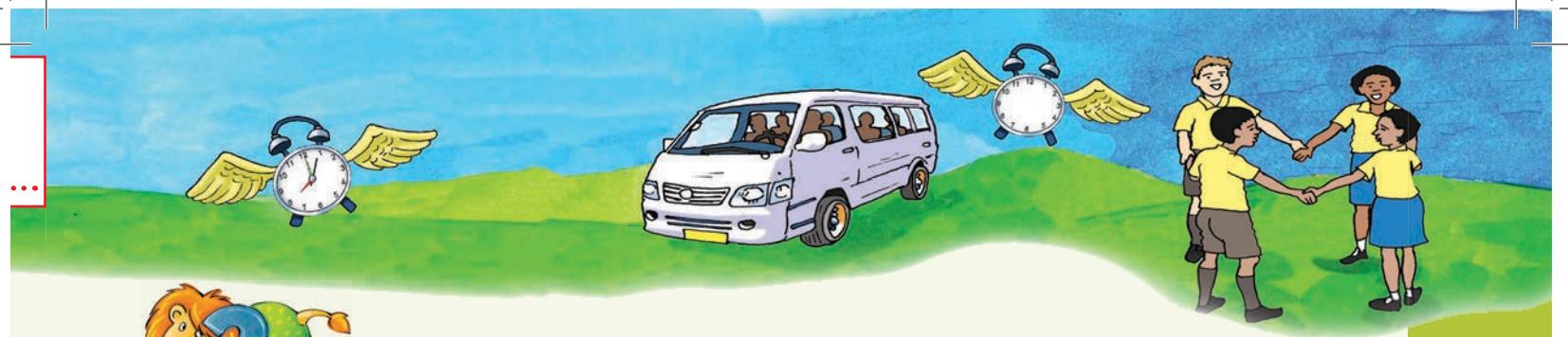
## Malunga nexesha

Sinokubhala ixesha elifanayo ngeendlela ezahlukeneyo.

2:15 umkhono emva kwentsimbi yesibini	5:30 icala emva kwentsimbi yesihlanu	9:45 umkhono phambi kwentsimbi yeshumi

Bhala ixesha ngeendlela ezahlukeneyo.

_____	_____	_____

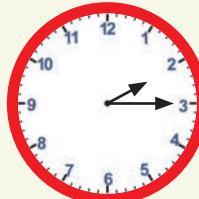
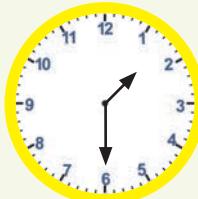


## Ukugoduka

UThemba uthabatha ixesha elingakanani xa egoduka?

imizuzu

iiyure



UThemba uyasishiya isikolo.

UThemba ufika  
ekhaya.



## Ixesha liyakhawuleza

Ixesha ngezi-2 ...



Mingaphi imizuzu kwiiyure ezi-2? \_\_\_\_\_

Zingaphi iiyure kwiintsuku ezi-2? \_\_\_\_\_

Zingaphi iiintsuku kwiiveki ezi-2? \_\_\_\_\_

Zingaphi iinyanga kwiminyaka emi-2? \_\_\_\_\_



## Zingaphi iiintsuku?

Ngowama-27 kuEpreli luSuku  
lweNkululeko.

Ngowe-16 kuJuni luSuku loLutsha.

Epreli						
Mv	Lb	Lt	Ln	Lhl	Mgg	C
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					

Meyi						
Mv	Lb	Lt	Ln	Lhl	Mgg	C
		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		

Juni						
Mv	Lb	Lt	Ln	Lhl	Mgg	C
						1 2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- a. Ukusukela ngoSuku lweNkululeko ukuya kuSuku loLutsha zi \_\_\_\_\_  
iinyanga ezipheleleyo, zi \_\_\_\_\_ iiveki ezipheleleyo ze zibe \_\_\_\_\_ iintsuku.

- b. Zingaphi iiveki ezipheleleyo zizonke? \_\_\_\_\_  
Zingaphi iiintsuku ezishiyekileyo? \_\_\_\_\_. Zingaphi iiintsuku zizonke? \_\_\_\_\_.

- c. Usuku lokuzalwa lukaLebo ziintsuku ezisi-7 phambi koSuku  
lweNkululeko. Usuku lokuzalwa lukaNtsasa ziintsuku ezimbini emva koSuku loLutsha.

Ngubani omdala? \_\_\_\_\_

Ngeentsuku ezingaphi? \_\_\_\_\_

Khangela. Thelekisa.  
Lungisa.



11 12 13 14 15 16 17 18 19 20

33



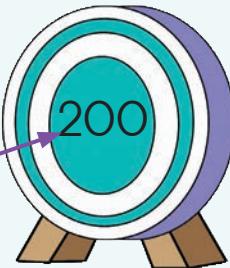
Umhla:

# Bala urike kuma-200



Bala amanani

Bala ukhwaze onke amanani asukela kwi -101 ukuya kuma -200.  
Khomba njengokuba usiya phambili.



Bhala amangani

- a. Bhala amanani ashiyelelweyo kwisikwere ngasinye esizuba.
  - b. Bhala onke amanani aseleyo.
  - c. Bhala amanani alandelayo ali -10 aza emva kwama -200.

200; ; ; ; ; ; ; ; ; ; ;



34

Umhla:

## Ukusebenza ngamaqela amanani



Ukupakisha amakhandlela

UMaNkosi usebenza kumzi ovelisa amakhandlela.

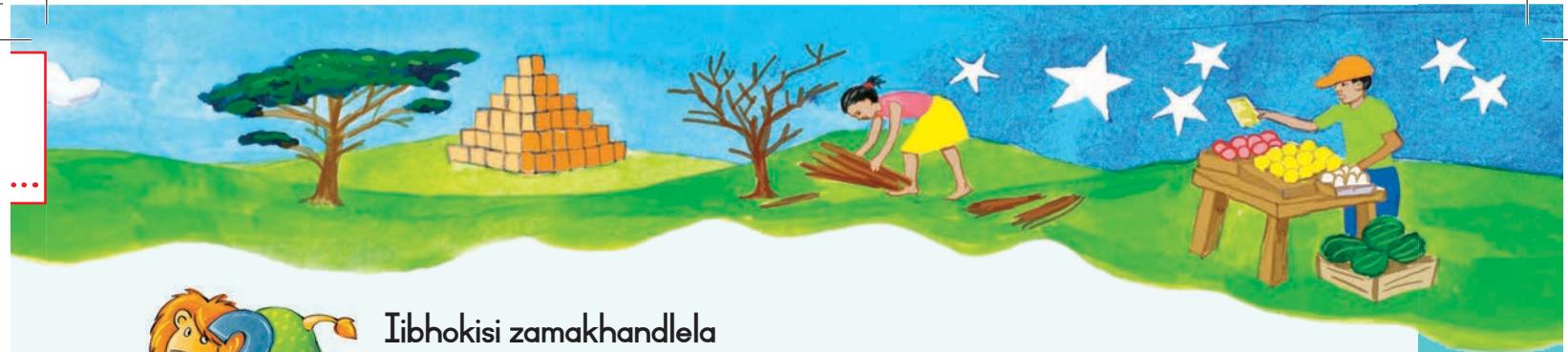
Xa amakhandlela elungile, uwapakisha ngolu hlobo ezibhokisini aze azibeke kumathala ngamathala.



Mangaphi amakhandlela akwiibhokisi nganye? \_\_\_\_\_

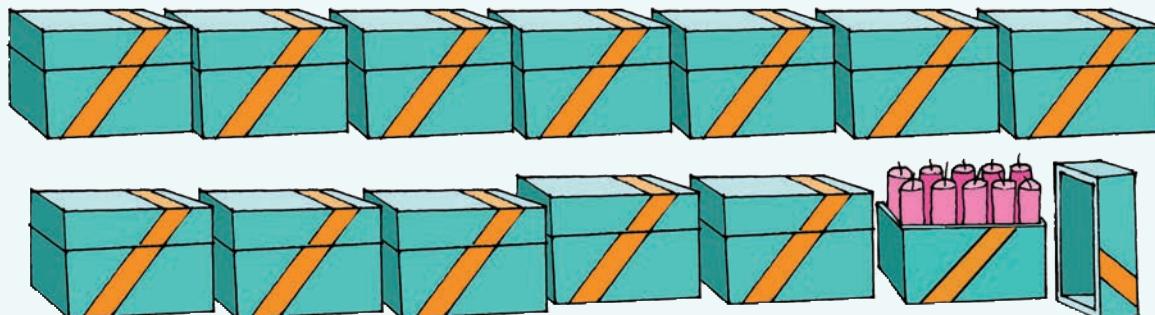
Zingaphi iibhokisi kwithala ngalinye? \_\_\_\_\_

Mangaphi amakhandlela akwithala ngalinye? \_\_\_\_\_



Iibhokisi zamakhandlela

UMaNkosi uvala iibhokisi.



- a. Bala zonke iibhokisi.

Zingaphi iibhokisi? \_\_\_\_\_

Mangaphi amakhandlela ewonke? \_\_\_\_\_

Kufuneka abe neebhokisi ezingaphi ngaphezulu ukuze abe namakhandlela angama -200? \_\_\_\_\_

- b. Mangaphi amakhandlela kwii -:

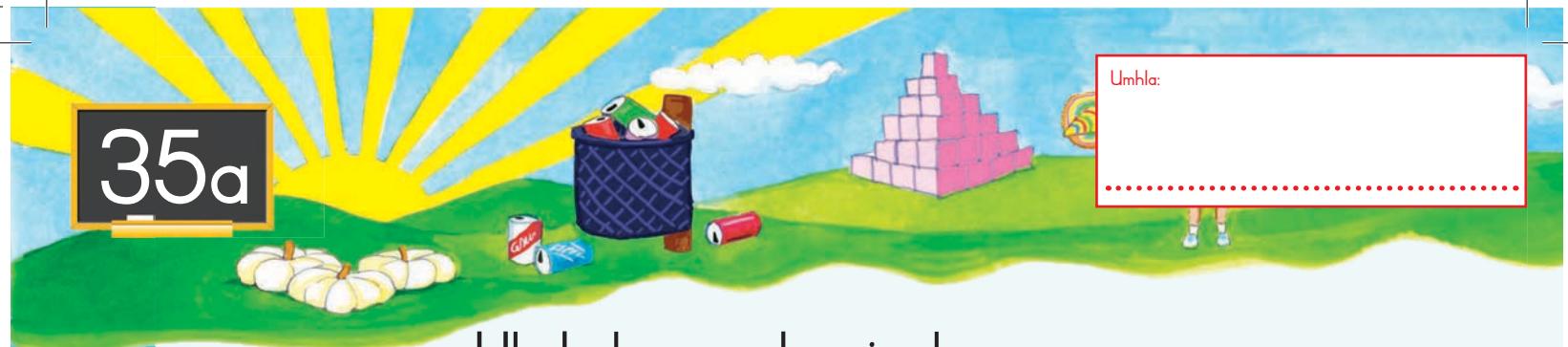
bhokisi ezi -2? _____	bhokisi ezi -4? _____
bhokisi ezi -5? _____	bhokisi ezi -3? _____
bhokisi ezi -6? _____	bhokisi ezisi -7? _____

- c. Zingaphi iibhokisi ekufuneka enazo:

40  _____ iibhokisi	70  _____ iibhokisi
50  _____ iibhokisi	30  _____ iibhokisi



35a



Umhla:

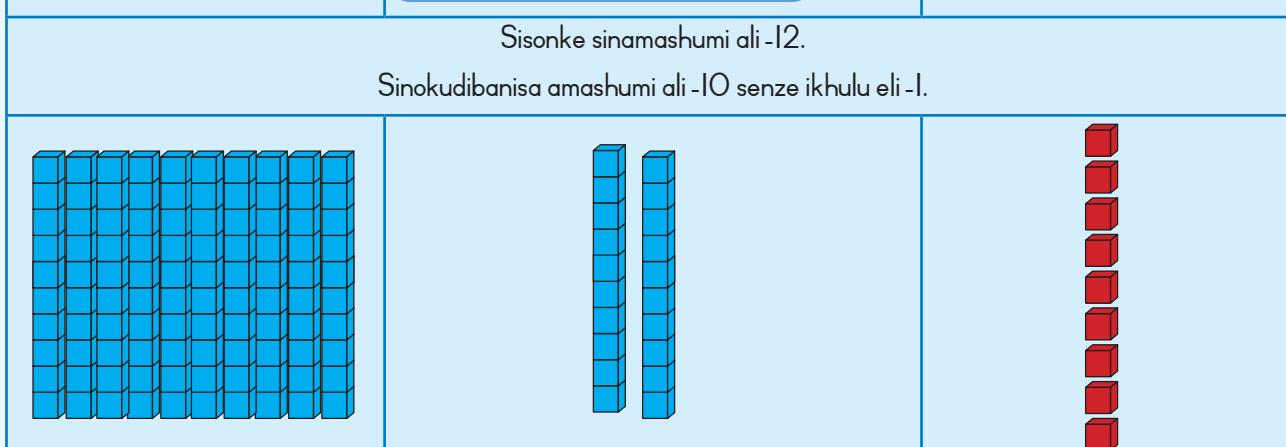
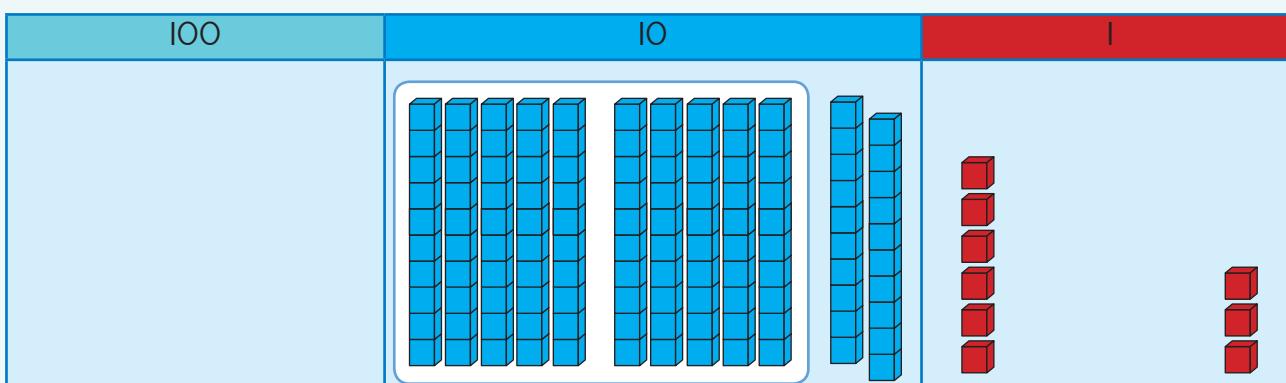
Ikota yesi-2

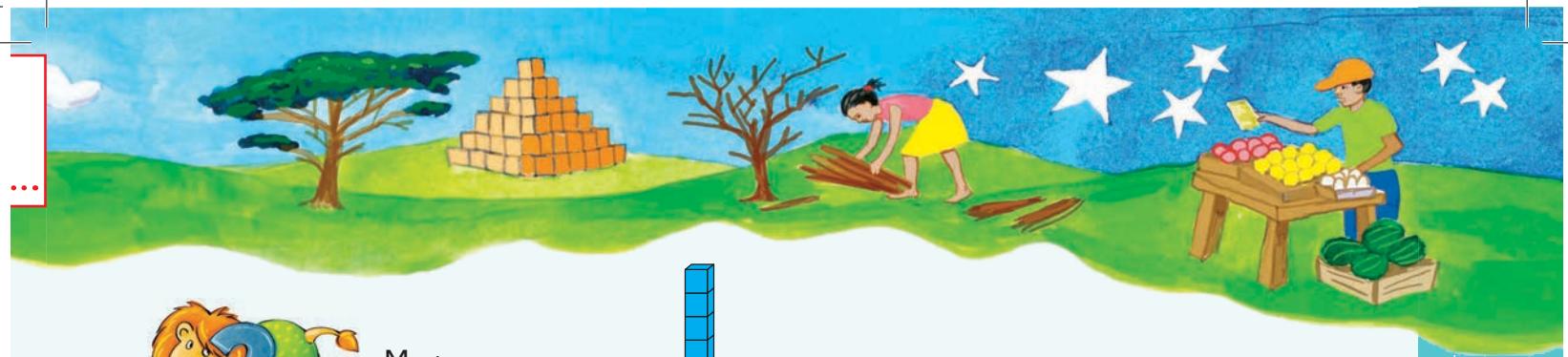


## Ukubeka amashumi ndawonye nokuwacazulula

Ukubeka amashumi ndawonye xa sidibanisa siye kuma-qqq

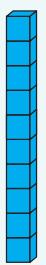
Masidibanise $56 + 73 =$			
Amashumi ama -5 nemivo emi -6		Amashumi asi -7 nemivo emi -3	





Masizame

Umzekelo:  $82 + 34$



= kunye =



$100 + 20 + 6 = 126$

a.  $65 + 52$


b.  $76 + 63$


c.  $86 + 65$




11 12 13 14 15 16 17 18 19 20

35b

Umhla:



## Ukubeka amashumi ndawonye nokuwacazulula (kusaqhutywa)

Ukubeka amaqela ndaweninye

Sebenzisa iibloko zamaxabiso endawo.

Sebenzisa iibloko ezilishumi zesiseko ukwenza la manani mabini	Mangaphi amashumi ewonke? Mingaphi imivo?	Udibanise amashumi okanye imivo? Khangela uqaphele ixabiso lendawo apho uhlanganise khona.	Bhala inani
$23 + 99 =$	_____ amashumi _____ imivo	$\text{amashumi ali -II} + \text{imivo eli -I2}$ $= 110 + 12$	122
$38 + 25 =$	_____ amashumi _____ imivo		
$77 + 31 =$	_____ amashumi _____ imivo		
$68 + 45 =$	_____ amashumi _____ imivo		
$83 + 47 =$	_____ amashumi _____ imivo		



### Ukucazulula amashumi xa sithabatha

Maxa wambi xa sithabatha kufuneka sibonise ishumi elinye njengemivo elishumi, okanye ikhulu njengamashumi ali -IO.

Masithabathe:  $60 - 55 =$

Siqala ngamashumi amathandathu nemivo engekhoyo. Sifuna ukuthabatha amashumi amahlanu nemivo emihlanu. (imivo esiyithathayo ifakwe umbala ongwevu)

Amashumi amathandathu singawabonisa ngolu hlobo.	Okanye amashumi amahlanu kunye nemivo elishumi.	Thabatha amashumi amahlanu nemivo emihlanu. Kushiyeka imivo emihlanu.	
		$60 - 55 = 5$	



### Masizame

a.  $70 - 28$

amashumi asi - 7	amashumi ama - 6 nemivo eli - 10	$70 - 28 =$	

b.  $90 - 46$


c.  $80 - 53$




Ukufumana isibini samanani

a.

200	
30	

b.

200	
70	

c.

200	
	105

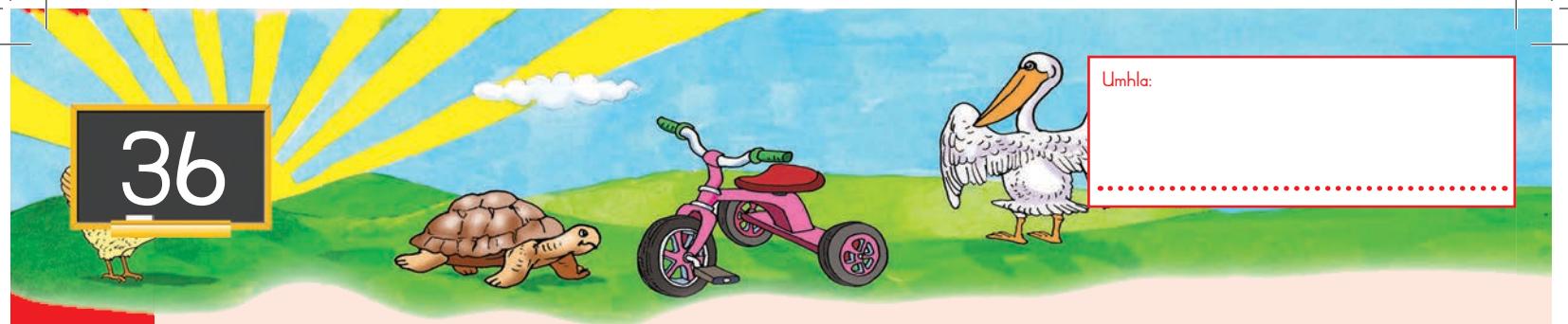
d.

200	
85	



11 12 13 14 15 16 17 18 19 20

36



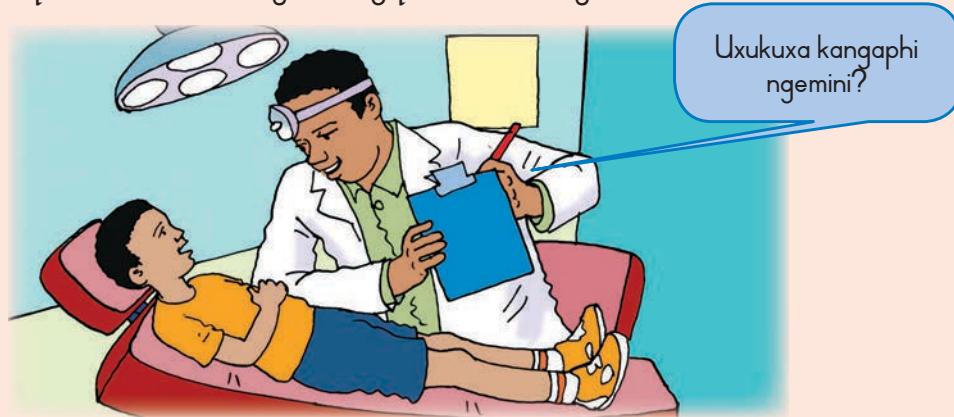
Umhla:

Ikota yesi-2

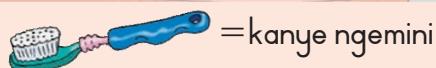


## Utyelelo kugqirha wamazinyo

Iqela labantwana lityelela ugqirha wamazinyo.



Naku akuxelwelwa ngabantwana



=kanye ngemini

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

a. Bala iimpawu (✓) ubonise ukuba bawahlamba kangaphi abantwana amazinyo abo. Bhala amanani.

 Kanye ngemini	
 Kabini ngemini	
 Kathathu ngemini	

b. Uqaphela ntoni kule theyibhile?

Uninzi lwabantwana luxukuxa ka \_\_\_\_\_ ngemini.

Kukho abantwana aba \_\_\_\_\_ eqeleni.

1 2 3 4 5 6 7 8 9 10



Zoba igrafu yomfanekiso ebonisa ukuba abantwana baxukuxa kangaphi ngosuku.



= kanye



Yenza uphando eklasini yakho. Buza abafundi abali -15 ukuya kuma -20.

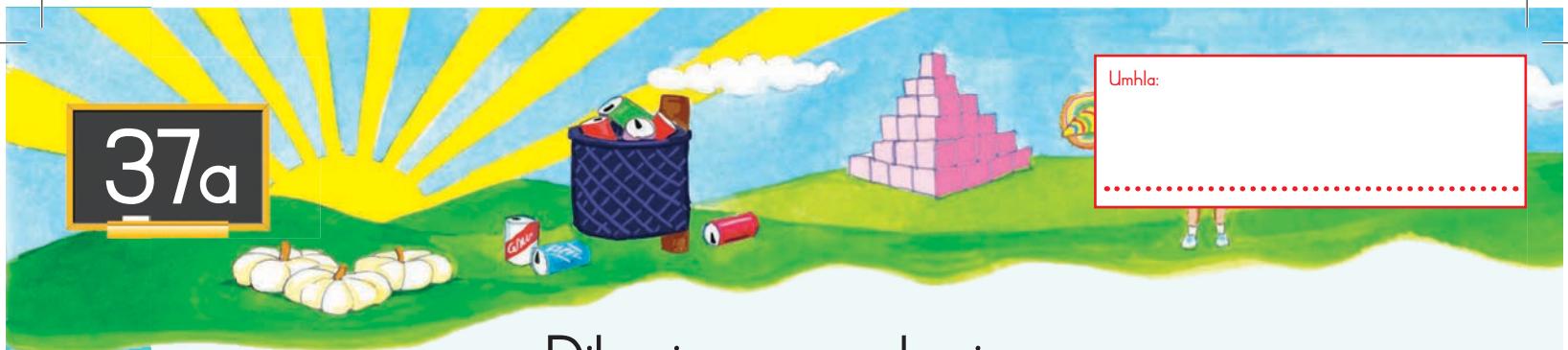
- Bawahlamba kangaphi amazinyo abo ngosuku? \_\_\_\_\_
- Zoba igrafu efana nale ingentla ubonise iziphumo zakho.



Teacher:  
Sign:  
Date:

11 12 13 14 15 16 17 18 19 20

37a



Umhla:

## Dibanisa uze uqukanise



Bhala izibalo zakho



UBusi unokudibana imivo kunge **namashumi** aze aqukanise kwakhona.

Unokudibana aze athabathe abhale ephepheni ngaphandle kokusebenzisa iibloko. Ngamanye amaxesha uthanda ukuqala ngamakhadi akhe amanani ukuze abonise amanani.

Ngoko ke kwisibalo  $56 + 73$ , ufumana la makhadi:

$$\begin{array}{r} 50 \\ + 70 \\ \hline 120 \end{array}$$

**q**

Udibana imivo aze abeke phantsiikhadi **q**.

Uyazi:  $50 + 70 = 120$ .

$$\begin{array}{r} 100 \\ + 20 \\ \hline 120 \end{array}$$

Uyibhala ngolu hlobo:

$$\begin{aligned} 50 + 70 + 6 + 3 \\ = 50 + 70 + q \\ = 120 + q \\ = 100 + 20 + q \\ = 12q \end{aligned}$$

Uthatha ikhadi lamakhulu, elama -20 kunge nele -q.

Ukwenza inani elinemivo emi -3.

UDumi uyazi ukuba iibloko zisebenza njani.

Isibalo  $56 + 73$  usenza ngola hlobo:

$$\begin{aligned} 50 + 6 + 70 + 3 \\ \swarrow \quad \searrow \\ 120 + q \\ = 12q \end{aligned}$$



UAakar uyakuthanda ukusondeza. Ukwenza ngolu hlobo oku:

$$\begin{aligned} 56 + 73 \\ = 50 + 70 + 10 - 1 \\ = 130 - 1 = 129 \end{aligned}$$





Khawuzizamele ngokwakho. Yenza isibalo ngasinye ngeendlela ezimbini.

a.  $86 + 62$

Indlela yokubala kaBusi

$$80 + 60 + 6 + 2$$



Indlela yokubala ka-Dumi

$$\cancel{80} + \cancel{6} + \cancel{60} + 2$$



b.  $72 + 63$

c.  $81 + 57$

d.  $69 + 71$

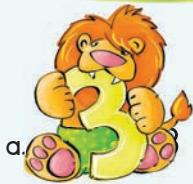


37b



Umhla:

## Dibanisa uze uqukanise (kusaqhutya)



Masithabathe.

a. Indlela yokubala kaBusi

$$80 - 50 + 7 - 3$$

$$= 30 + 4$$

$$= 34$$



b. Indlela yokubala ka-Dumi

$$80 + 7 - 50 + 3$$

$$= 30 + 4$$

$$= 34$$



b.  $95 - 73$

c.  $86 - 62$

d.  $85 - 69$



## Sombulula!

Zininzi iindlela **zokudibania** imivo kunye **namashumi**. Khetha indlela oyaziyo noyithandayo yokubala ezi zibalo. Bonisa umsebenzi wakho.

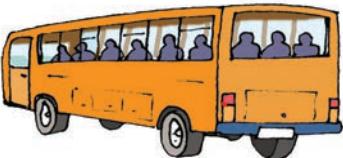
- a. UPeter uqala akhe iipesika ezingama -34 aze aphinde akhe ezingama -67. Zingaphi iipesika azikhileyo zizonke?



- b. Abantwana bakwa Malusi banemali engama -R47 bebonke. Umama wabo ubaphe ama -R58. Banamali ni ngoku?



- c. Ibhasi yesikolo ihamba umgama ongama -88 km kusasa nama -73 km emva kwemini. Ihamba umgama ongakanani uwonke?



38



Umhla:

Ikota yesi-2

## Sombulula!



Iziciko zeebhotile

Sebenzisa nayiphi indlela yokubala oyithandayo.  
Bonisa umsebenzi wakho.



USipho



UAndile

USipho ubala iziciko zeebhotile ezingama-87. UAndile ubala ama-38.

Zininzi kangakanani iziciko zebhotile zikaSipho kunezika-Andile?



Umyhadala wekonisathi yesikolo



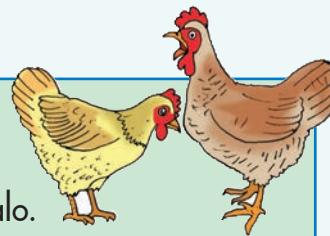
UMusa



UMusa uthengisa amatikiti. Uqale enamatikiti angama -92. Ushiyekelwe ngamatikiti angama -67 kuhphela. Mangaphi amatikiti awathengisileyo ukuza kuthi ga ngoku uMusa?



## Ukuzi qħelisa ngakumbi



Kukho amantshontsho angama - 69 ehokweni  
nangama - 95 kwenye. Mangaphi amantshontsho xa ewonke?  
Funda ngendlel uGugu no noAakar abasombulula ngayo esi sibalo.

Indlela enza ngayo uGugu  

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



Indlela enza ngayo uAakar  

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

Ndithabath  
u - I. Uyazi ukuba  
kutheni?



- a. Amakhwenkwe aqokelele ama -R96 okulungiselela uhambo lweklasi.  
Amantombazana aqokelele ama -R79. Iyonke le mali yimalini?

Indlela enza ngayo uGugu

Indlela enza ngayo uAakar

- b. Isikolo esinye siqokelele ama -76 kg eetoti. Esinye isikolo siqokelele ama -68 kg eetoti. Ziikhilogram ezingaphi zeetoti zizonke eziqokelelwe zizikolo zozibini?

Indlela enza ngayo uGugu

Indlela enza ngayo uAakar



39



Umhla:

Ikota yesi-2

## Bala



Fumana indawo

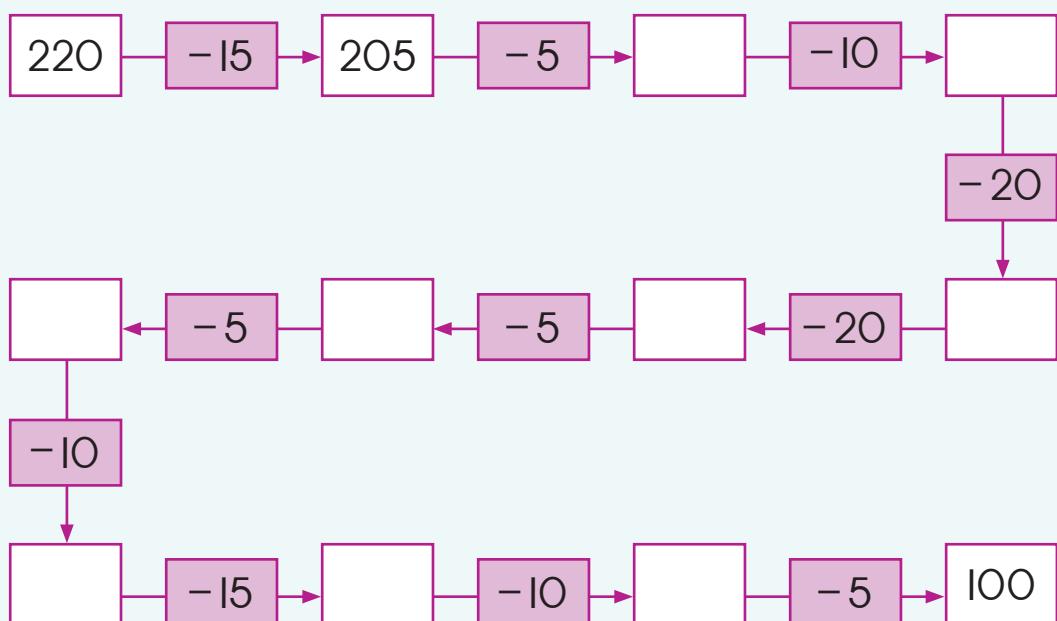
Bhala amanani ashiyiweyo.

- |    |     |    |     |    |     |    |     |
|----|-----|----|-----|----|-----|----|-----|
| a. | 100 | b. | 100 | c. | 100 | d. | 100 |
|    |     |    | 39  |    | 43  |    | 56  |
|    | 27  |    |     |    |     |    |     |
- 
- |     |     |    |     |    |     |    |     |
|-----|-----|----|-----|----|-----|----|-----|
| e.  | 200 | f. | 200 | g. | 200 | h. | 200 |
|     |     |    |     |    |     |    |     |
| 140 |     |    | 110 |    | 135 |    | 120 |



Ukuthabatha ubuya umva usuka  
kuma-200 ukuya kwi-100

Thabatha amanani akwibhokisi epinki ngexesha ngalinye.  
Sikwenzele eyokuqala.



Nantsi indlela  
yokujonga  
iimpendulo  
zakho!

Qala kwi-100!  
Ubale ubuyele  
kuma-220.

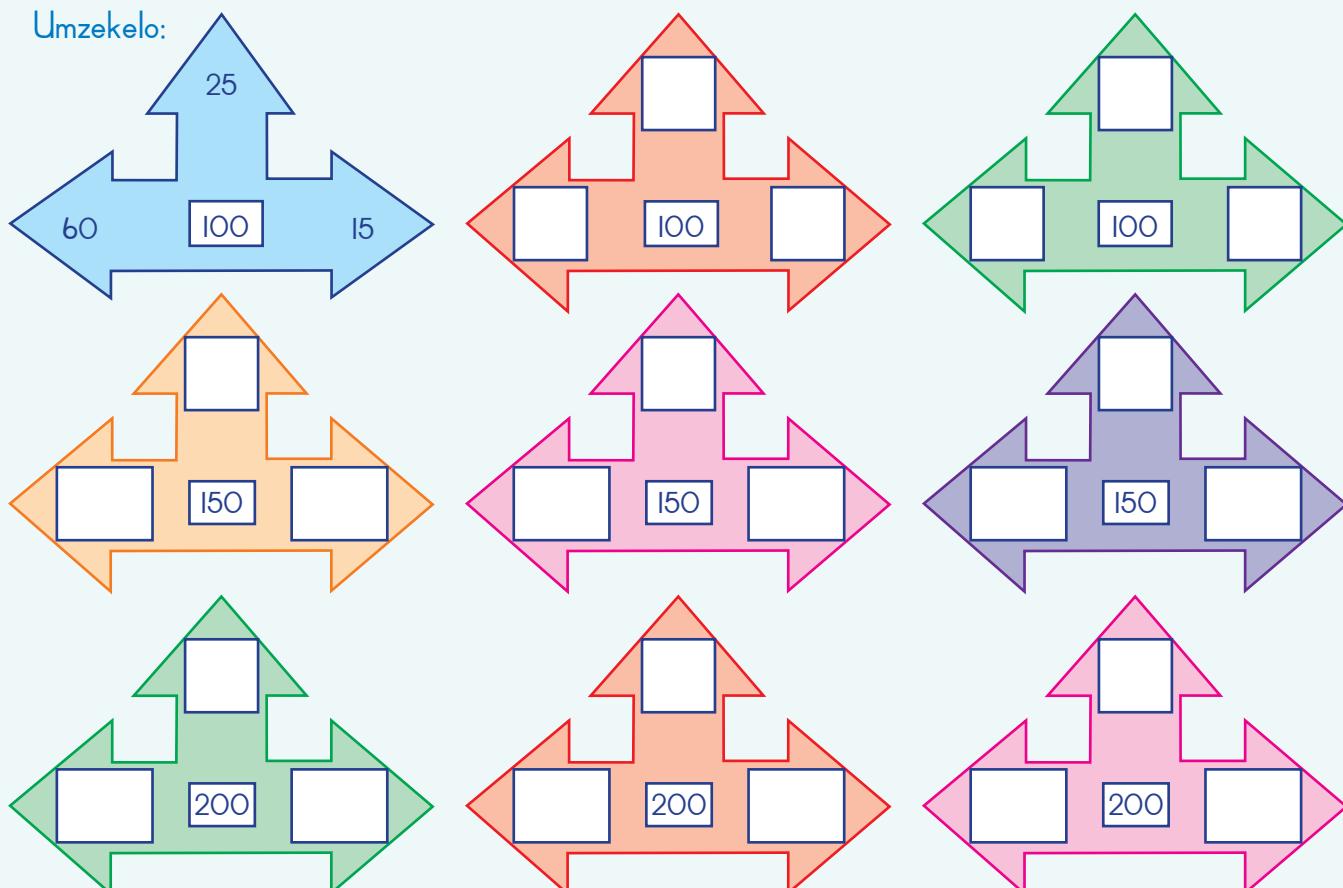
Ke ngoku  
dibanisa  
amanani!



### Iintsapho zezithathu

Fumana amanani amathathu othi xa uwadibenisile akunike impendulo ejolise kwinani olinikiwego. Umthetho: Linani elinye kuhphela elinokuphelela ku-O.

Umzekelo:



### Ibe ngaphezulu ngama-50, ibe ngaphantsi ngama-50

Bhala iimpendulo kumqolo wesi -2.

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



40

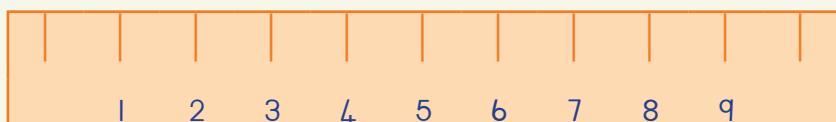


Umhla:

Ikota yesi-2



Inkulu kangakanani isentimitha?



Amanani akwirula amele **iisentimitha**.

Sisebenizsa isifinyezo okanye isimboli engu **-cm**.

Xa usebenzisa iirula kufuneka uqale ku -O xa ulinganisa.

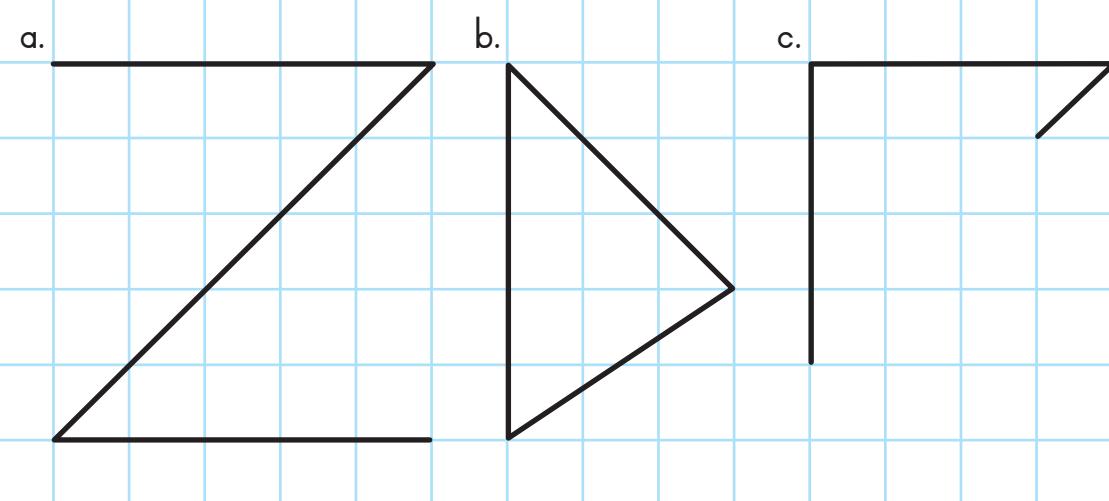
Ezinye iirula azimbonisi u -O njengalapha kweli phepha.

Fumana u -O cm kwirula. Bhala phezu kwerula.

Uphi u -10cm kule rula? Bhala u -10 qpho.



Qikelela wandule ukulinganisa ngokuchanekileyo ngokwee -cm ngerula yakho ubude bemigca eyenza imilo nganye.



a. Qikelela	<input type="text"/>	cm	b. Qikelela	<input type="text"/>	cm	c. Qikelela	<input type="text"/>	cm
Linganisa	<input type="text"/>	cm	Linganisa	<input type="text"/>	cm	Linganisa	<input type="text"/>	cm



Mde kangakanani umgca ngamnye?

Ziisentimitha ezingaphi ubude bomgca ngamnye?

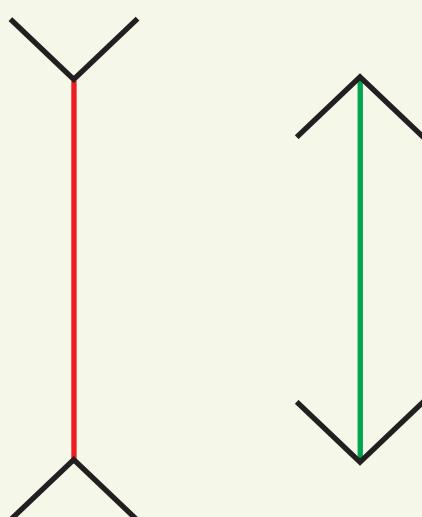
a.	—	<input type="text"/> cm	d.		<input type="text"/> cm
b.	—	<input type="text"/> cm	e.	—	<input type="text"/> cm
c.	—	<input type="text"/> cm	f.	—	<input type="text"/> cm



Uqinisekile?

Ngowuphi omde, ngumgca obomvu okanye ngumgca oluahlaza?

Ungayijonga njani?



Oku kubizwa ukudideka kwamehlo. Kwenzeka xa amehlo elingwa ngokuboniswa into engekhoyo. Le migca iyalingana ngobude. Imigca emnyama ephumela ngaphandle yenza umgca obomvu ukhangeleke umde ze imigca emnyama ejonge ngaphakathi yenze umgca oluahlaza ukhangeleke umfutshane.



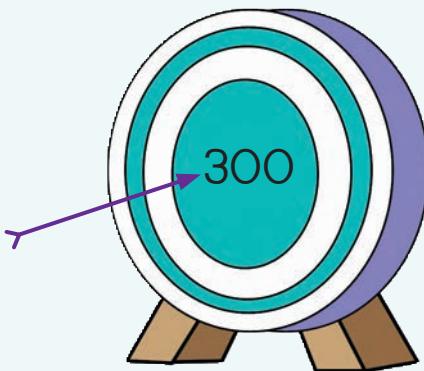
11 12 13 14 15 16 17 18 19 20



# Bala urike kuma-300



Bala ubhale ama-200



Bala ukusukela kuma -201 ukuya kuma -300.

**Khomba njengokuba uhamba.**

Zalisa iibloko ezizuba kuqala.

Bhala onke amanye amanani ashiyelelweyo.



Bhalo amanani ali -10 aza emva kwama -300.

300; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Ungakanani umtsi?

30I

28I


I7I

2II

I0I



Ukubonisa nokuthelékisa

- a. Bhala amanani angena kwikhadi ngalinye.

298;

208;

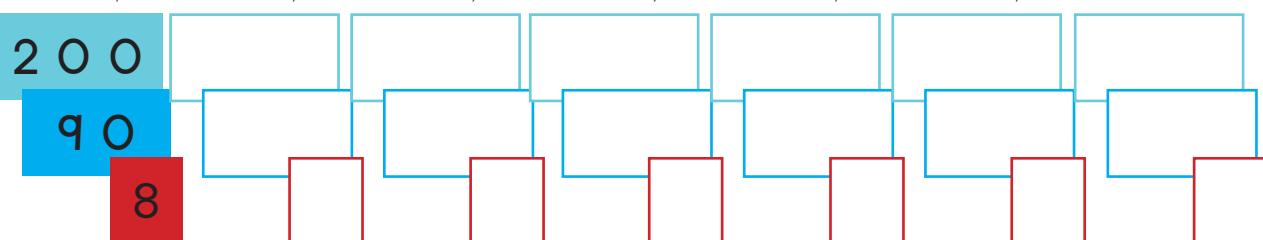
30I;

276;

227;

269;

3II



- b. Bhala amanani ngokulandelelana kwavo uqale ngelona lincinci ukuya kwelona likhulu.

\_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_



Yintoni umahluko?

Isiqalo



Isiphelo



11 12 13 14 15 16 17 18 19 20

||||| ||||| ||||| ||||| ||||| ||||| |||||

42

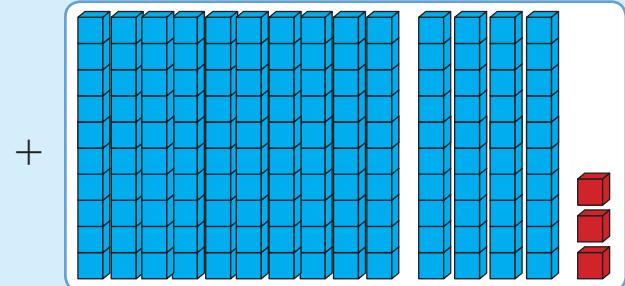
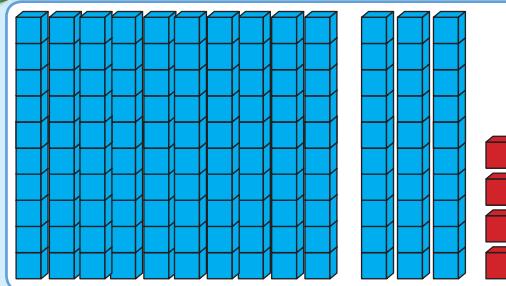
Umhla:

Ikota yesi-2



## Ukudibanisa nokuthabatha ngama-100

Ukusebenzisa iibloko ukuze udibanise



$$\begin{array}{r}
 100 \quad 30 \quad 4 \\
 + \quad \quad \quad \\
 100 \quad 40 \quad 3 \\
 \hline
 = \quad 200 \quad 70 \quad 7 \\
 \hline
 = \quad 277
 \end{array}$$



Landela ezi ndlela zimbini. Bonisa impendulo nganye ngeendlela ezimbini.

a.  $132 + 123$

Indlela yokubala kaBusi

$$\begin{aligned}
 &= 100 + 100 + 30 + 20 + 2 + 3 \\
 &= 200 + 50 + 5 \\
 &= 255
 \end{aligned}$$



Indlela yokubala ka-Dumi

$$\begin{aligned}
 &\cancel{132} + \cancel{123} \\
 &= 200 + 50 + 5 \\
 &= 255
 \end{aligned}$$



b.  $114 + 162$



c.  $276 + 148$



Jonga iindlela zokubala uze uthabathe.

a.  $158 - 146$

Indlela yokubala kaBusi

$$\begin{aligned} &= 100 - 100 + 50 - 40 + 8 - 6 \\ &= 0 + 10 + 2 \\ &= 12 \end{aligned}$$



Indlela yokubala ka-Dumi

$$\begin{aligned} &\cancel{1}5\cancel{8}-\cancel{1}4\cancel{6} \\ &= 0 + 10 + 2 \\ &= 12 \end{aligned}$$

b.  $194 - 122$

c.  $288 - 199$



43

Umhla:

Ikota yesi-2

## Bala ufile kuma -400

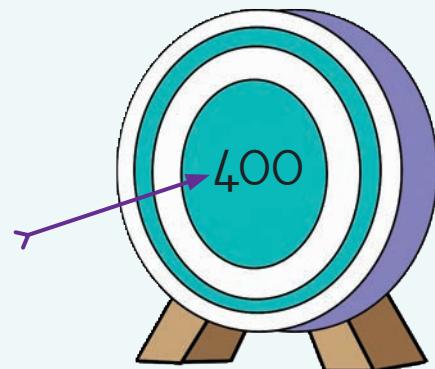


Ukubala nokubhala ama -400

Bala uqale kuma -300 ukuya kuma -400.

Wabize amanani njengokuba usiya phambili.

Bhala amanani angekhoyo kwigridi.



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

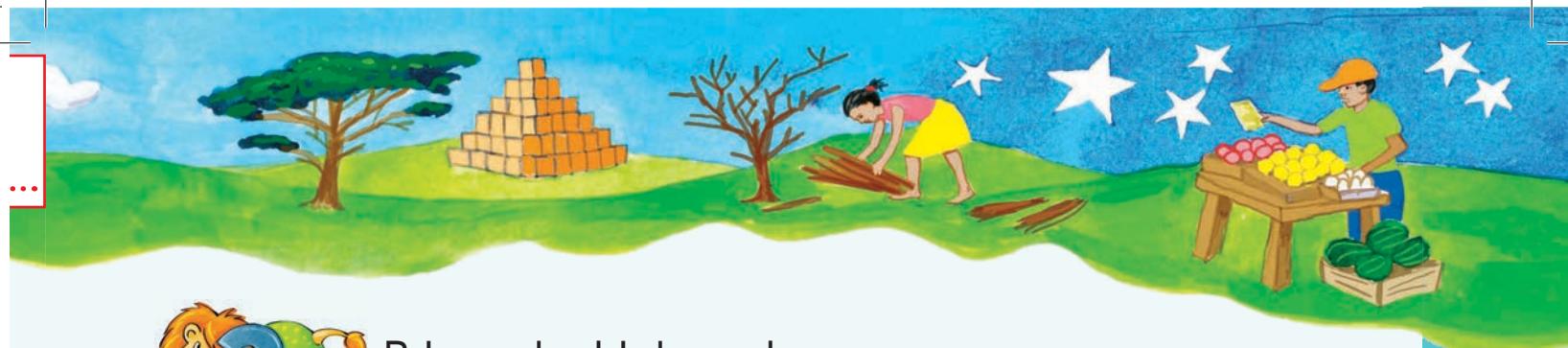


Bhala amanani ali -9 alandela ama -400.

400; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_;

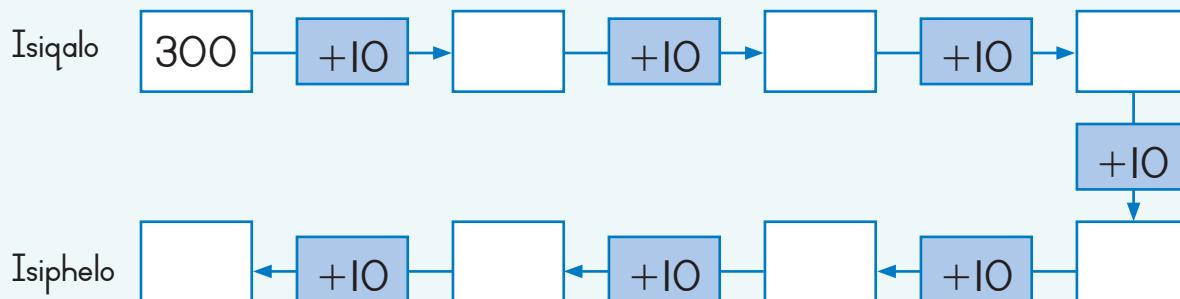
100

1    2    3    4    5    6    7    8    9    10

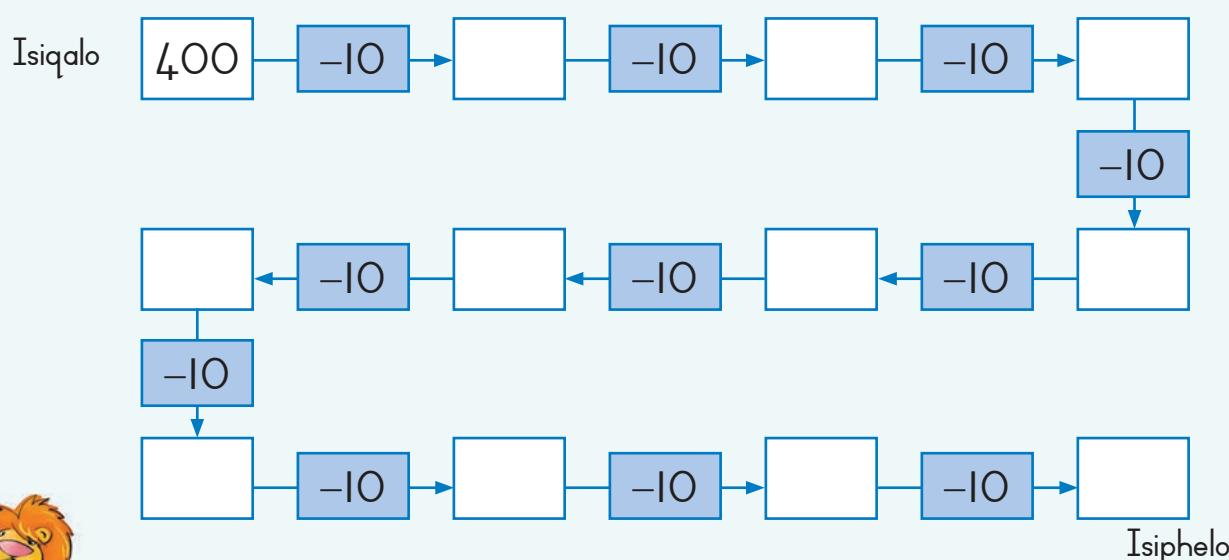


## Bala uye phambili okanye ubuye umva

a. Bala uye phambili uqale kuma -300.



b. Bala uqale kuma -400



## Bhala njengenani elinye.

$300 + 20 + 4 = \underline{\hspace{2cm}}$

$300 + 10 + 5 = \underline{\hspace{2cm}}$

$300 + 50 + 3 = \underline{\hspace{2cm}}$

$300 + 70 + 7 = \underline{\hspace{2cm}}$

$300 + 60 + 2 = \underline{\hspace{2cm}}$

$300 + 90 + 9 = \underline{\hspace{2cm}}$

$300 + 80 + 1 = \underline{\hspace{2cm}}$

$300 + 40 + 8 = \underline{\hspace{2cm}}$

Bhala amanani ngokulandelelana kwawo ukusuka kwelona lincinci ukuya kwelona likhulu.

      ,       ,       ,       ,       ,       ,       ,       



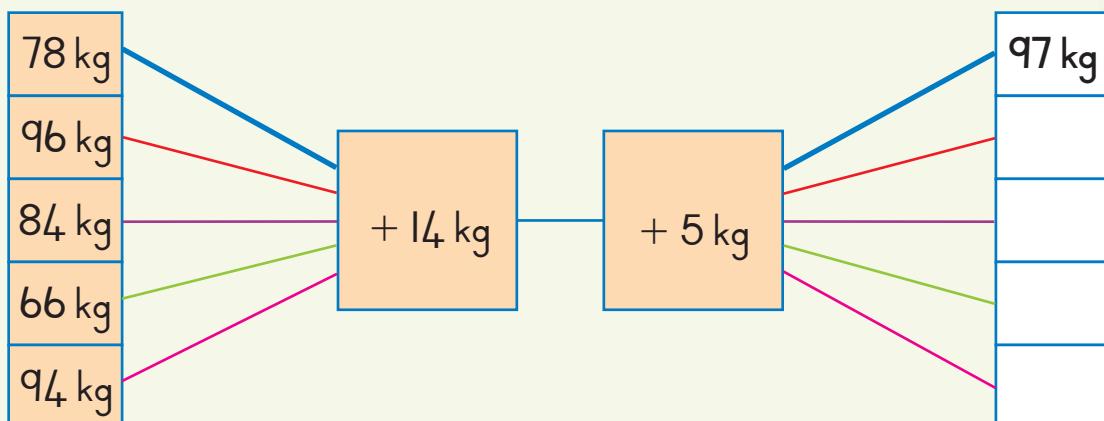
44

Umhla:



Inani elikhethekileyo

Dibanisa uze ubhale iimpendulo.



Ukuweza inani nokudibanisa!

Cingisia!

Udyakalashe ngama-25 kg	Ufudo ngama-98 kg	Imfene ngama-59 kg	Ithole leqwarhashe ngama-88 kg	Ingwangube li-9 kg

Weza ubunzima besilwanyana ngasinye buye kwelona 10kg lisondeleyo.

Bhala ubunzima besilwanyana ngasinye ngokulandelelana usuke kwesikhaphukhaphu uye kwesinzima.

Qikelela ubunzima bezilwanyana ezi -5 zizonke.



## Dibanza ubunzima bazo



Ndisenokungabi nzima njengawe Fudo, kodwa ngokuqinisekileyo ndiyakhawuleza kunawe!

Amanyathelo

- Sebenzisa izixa zakho oziwezileyo.
- Qikelela ubunzima bezilwanyana ezikumqolo ngamnye.
- Bala iziphumo.
- Thelekisa iziphumo zozibini uze ubhale umahluko.



	Ndiyaqikelela	Ndiyabala	Umahluko
+			
+  +			
+  +			



## Ubunzima bukaVusi

Qaphela. Thelekisa. Lungisa.

UVusi udibanza ubunzima bakhe kobe no .

Ubunzima babo budibene ngama - **239 kg**. UVusi unobunzima obungakanani?  
Bonisa impendulo yakho.



## Bungakanani ubunzima bam?

Dlalani kwiqela. Tshintshiselanani ...

Dibanza ubunzima bakho kubunzima bezinye izilwanyana.  
Bala isiphumo. Xelela iqela impendulo yakho. Musa ukubabonisa  
umsebenzi wakho! Mabalinge ukubala ubunzima bakho.



45



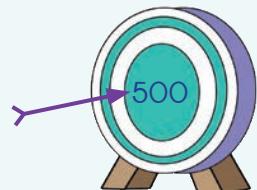
Umhla:

Ikota yesi-2



Bala uze ubhale

								400
401				405				410
411								420
	422				427			
		434						
				446				
						458		
462							470	
		473			477			
481							490	
							499	500



- a. Bala uye phambili ukusuka kuma -400. Biza amanani njengoko ubala.
- b. Bhala amanani ashiyelelweyo kwigridi.
- c. Bhala amanani ali -9 alandela ama -500.

500; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

- d. Bala ngezi -2. Bhala amanani asi -8 alandelayo **kwipatheni yezi-2**.

400; 402; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

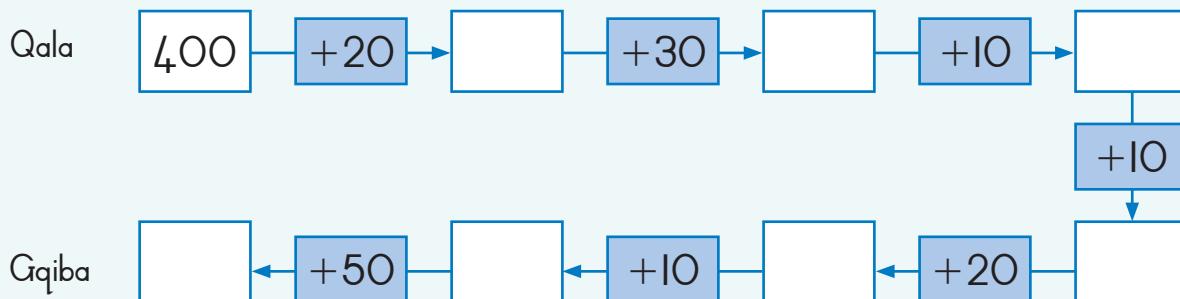
- e. Bala ngezi -5. Bhala amanani asi -8 alandelayo **kwipatheni yezi-5**.

400; 405; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

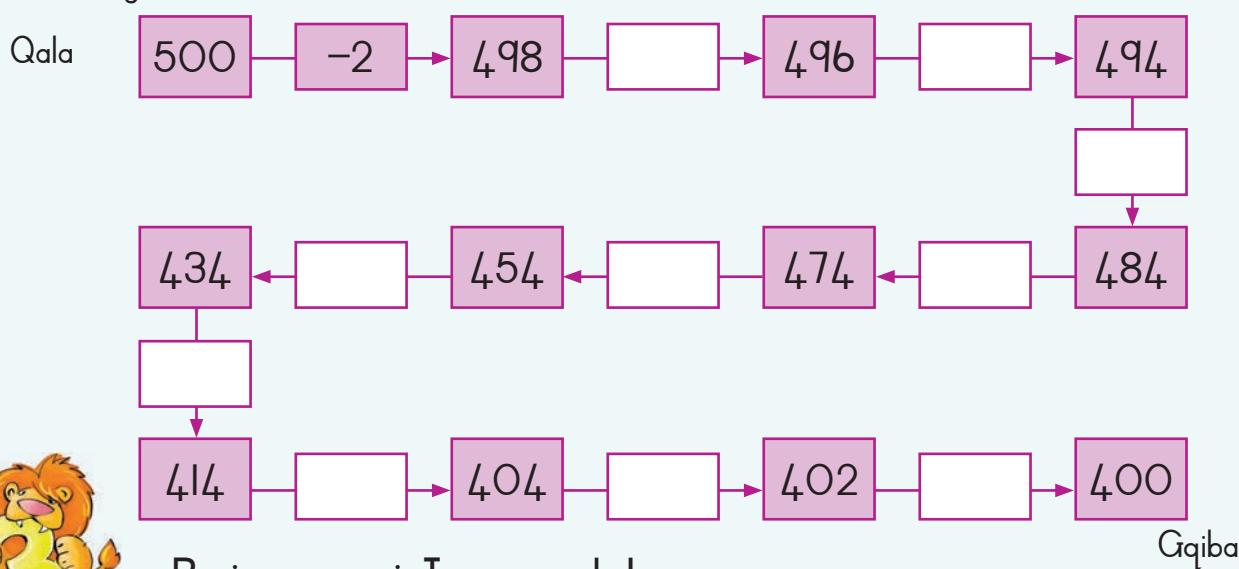


Fakela amanani ashijiwéyo.

- a. Bala uye phambili ukusuka kuma -400.



- b. Bala ubuye umva ukusuka kuma -500.



Bonisa amanani. Jonga umzekelo.

Zithini iziphumo?

Sebenzisa amakhadi amanani ubonise isiphumo ngasinye.

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

$398 + 10$		
$424 + 10$		
$460 + 20$		

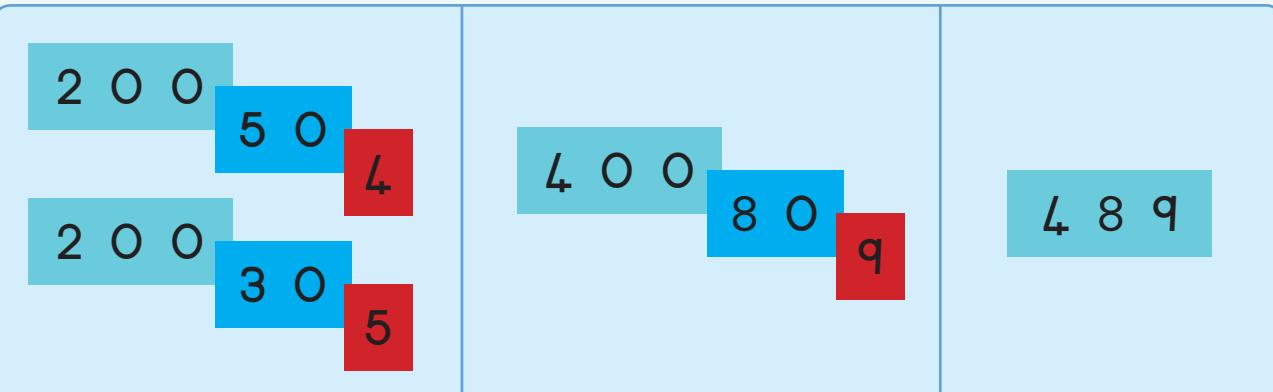


46

Umhla:

Ikota yesi-2

## Okunye ukudibana nokuthabatha



Siza kusebenzisa indlela yokudibana kaBusi nekaDumi.

a.  $245 + 231$

Indlela kaBusi

$$\begin{aligned} &= 200 + 200 + 40 + 30 + 5 + 1 \\ &= 400 + 70 + 6 \\ &= 476 \end{aligned}$$



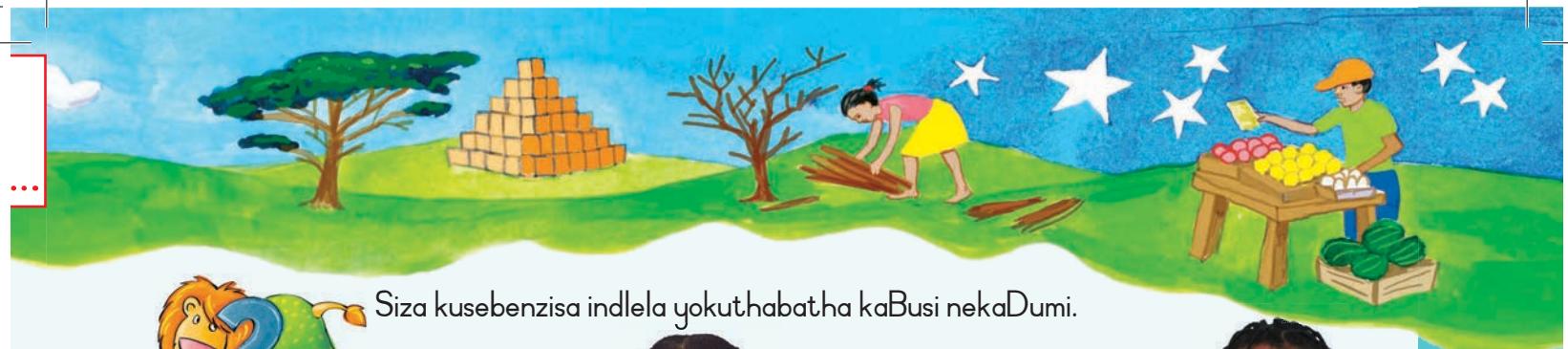
Indlela kaDumi

$$\begin{aligned} &\cancel{245} + \cancel{231} \\ &= 400 + 70 + 6 \\ &= 476 \end{aligned}$$



b.  $278 + 136$

c.  $265 + 148$



Siza kusebenzisa indlela yokuthabatha kaBusi nekaDumi.

a.  $476 - 324$

Indlela kaBusi

$$\begin{aligned} &= 400 - 300 + 70 - 20 + 6 - 4 \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$



Indlela kaDumi

$$\begin{aligned} &\cancel{4} \cancel{7} 6 + \cancel{3} \cancel{2} 4 \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$

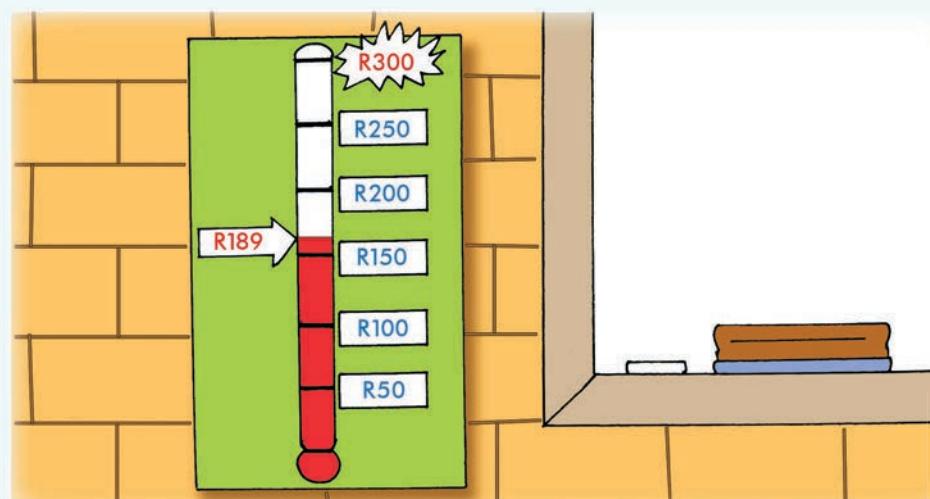


b.  $489 - 456$

c.  $482 - 161$



Ukufikela kwithagethi



Jongisia umfanekiso.

Kusafuneka malini ukuze kufikwe kwinjongo yakho?

R

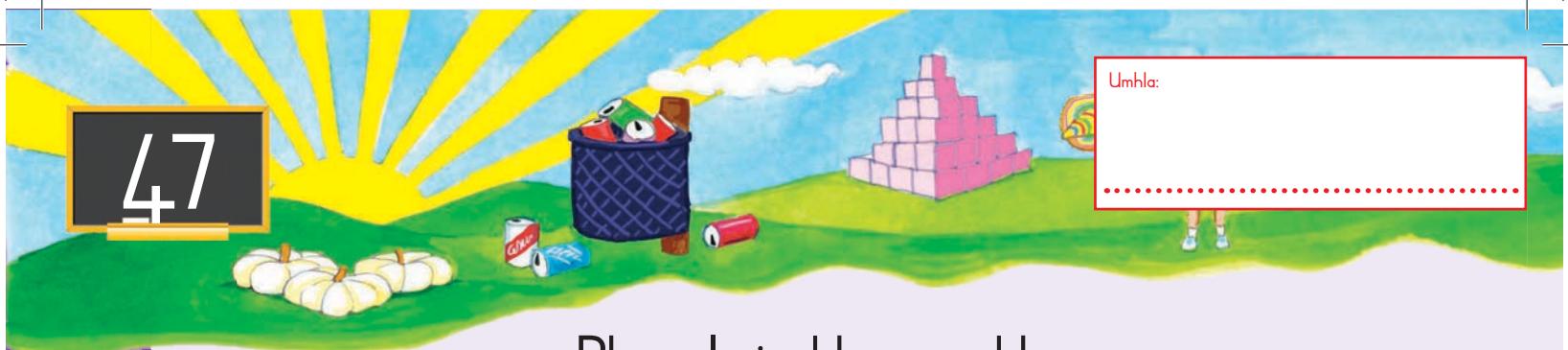


Teacher:  
Sign:  
Date:

11 12 13 14 15 16 17 18 19 20

||||| ||||| ||||| ||||| ||||| ||||| |||||

47



Umhla:



## Intaba yemfihlo

Lithini igama leyona ntaba iphakame kakhulu eGauteng? Sebenzisa ikhowudi ufumane impendulo. Tshatisa impendulo nganye ekwithejibhile nonobumba okwikhowudi.

A	B	C	D	E	F	G	H	I	J	K	L	M
I	2	3	4	5	6	7	8	q	IO	II	I2	I3
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
I4	I5	I6	I7	I8	I9	20	2I	22	23	24	25	26

Izikhokelo ezingamanani	Impendulo	Unobumba
Umzekelo: $2 \times 3 \times 3 \times 1 = \square$	I8	R
$50 + 50 + 50 + 100 - 200 - 45 = \square$		
$1 + 2 + 7 + 10 + 7 + 1 - I4 = \square$		
$60 - 30 + 50 + 20 - 50 - I5 - 20 = \square$		
$3 + 2 + 7 + 1 + 2 + 1 + 3 = \square$		
$5 + 3 + 30 = 4 + 2 + I2 + \square$		
$100 - 5 - 70 = 20 + \square$		
$36 + 44 - 60 - 22 = \square$		
$10 + I5 = I4 + \square$		
$2 + 1 + I4 + q + I4 = 25 + \square$		
$I \times 2 \times 2 \times 2 \times 2 = \square$		
Igama lntaba		



Jonga! Cinga, uphendule!

●	★	☾	★	●	●	★	☾	★	●	●	★	☾	★	●
I	2	3	4	5	6	7	8	9	10	II	12	13	14	15

- a.
- Liza kuba yeyiphi imilo inani i-16? Phawula (✓) echanekileyo.      ★ ● ☽
- Liza kuba yeyiphi imilo inani i-18? Phawula (✓) echanekileyo.      ★ ● ☽
- Liza kuba yeyiphi imilo inani i-19? Phawula (✓) echanekileyo.      ★ ● ☽
- b.
- Inani elingama - 50 liza kuba ★.      Yinyani okanye Asiyonyani?
- Inani i-100 liza kuba ●.      Yinyani okanye Asiyonyani?
- Inani elingama - 28 liza kuba ☽.      Yinyani okanye Asiyonyani?

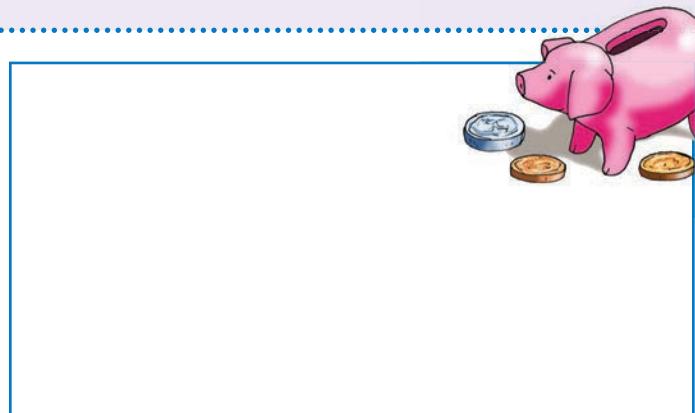


Khangela. Thelekisa. Lungisa.

Yeyiphi engaphezulu?

Ukufumana imali engangee - R2,50  
ngosuku kwinyanga kaJuni nekaJulayi.

Okanye ukufumana i-R150 ngowoku - I  
kuAgasti. Bonisa indlela obale ngayo.



II 12 13 14 15 16 17 18 19 20

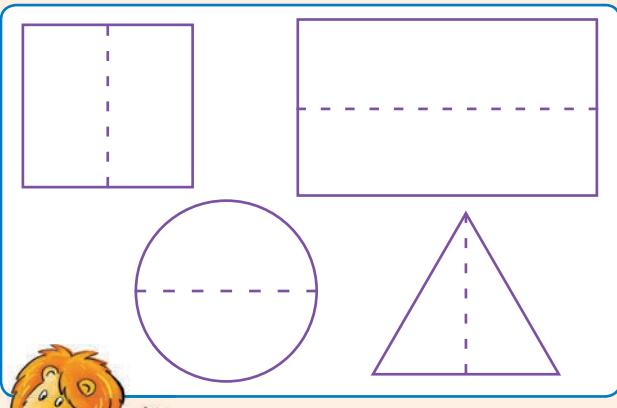
48

Umhla:

Ikota yesi-2

## Umafana twatse

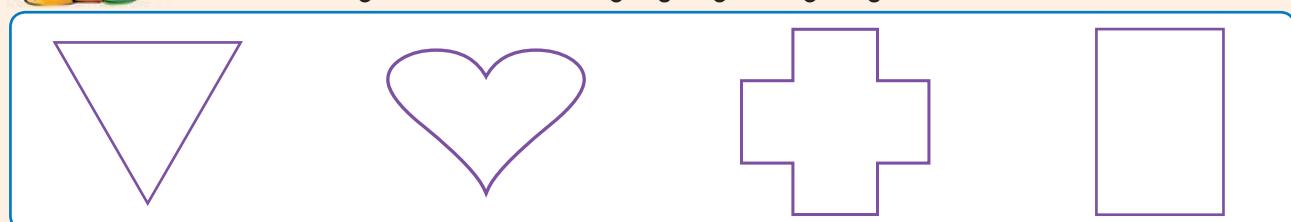
Uqaphela ntoni ngezi milo?



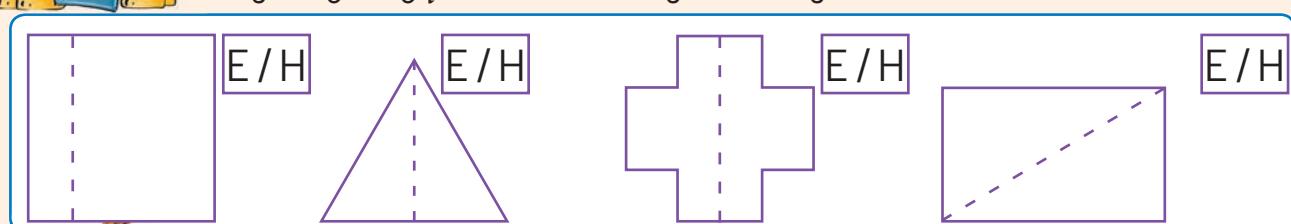
Umgca kamatwatotse (wesimetri) wahlula imilo ibe ziziqingatha ezibini ukuze isiqingatha ngasinye sifane twatse nesinye oku komfanekiso wakho esipilini.



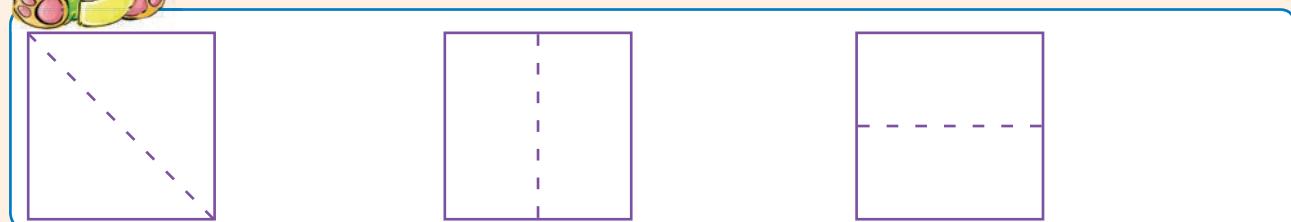
Krwela umgca owahlula imilo nganye ngokulinganayo



Ingaba umgca ochokoziweyo ngumgca owahlula ngokulinganayo okanye asinguwo?  
Biyela ngesangqa u-E (EWE) okanye u-H (Hayi).



Ingaba ngumgca kamafana twatse lo? Ngoba kutheni?

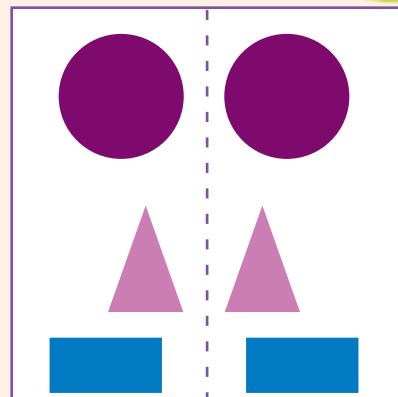




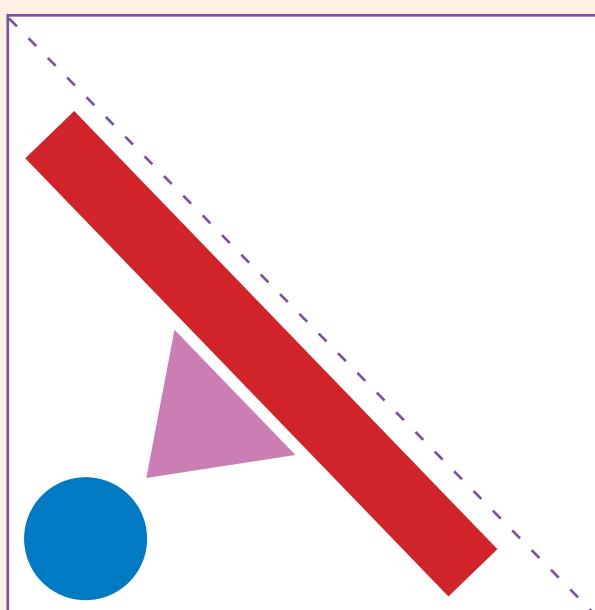
Zoba iimilo wenze umfanekiso kamatwatotse.

Sikwenzele owokuqala.

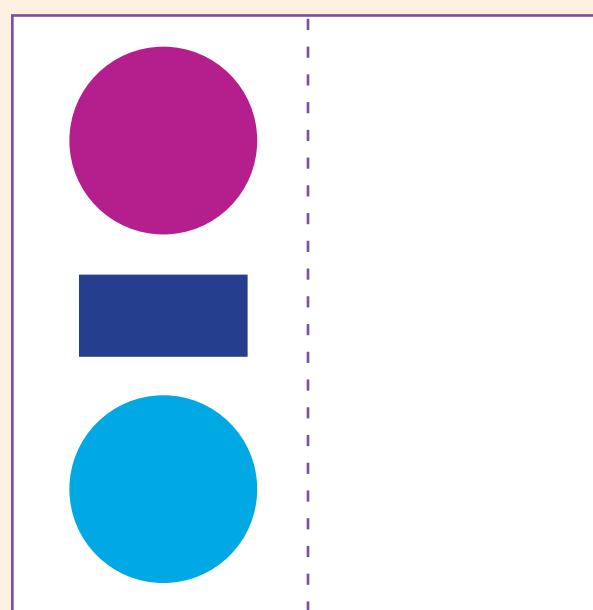
a.



b.



c.



Ziyilele eyakho  
ikhaphethi  
kamatwatotse  
usebenzise iimilo.



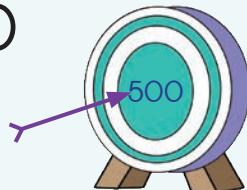
49



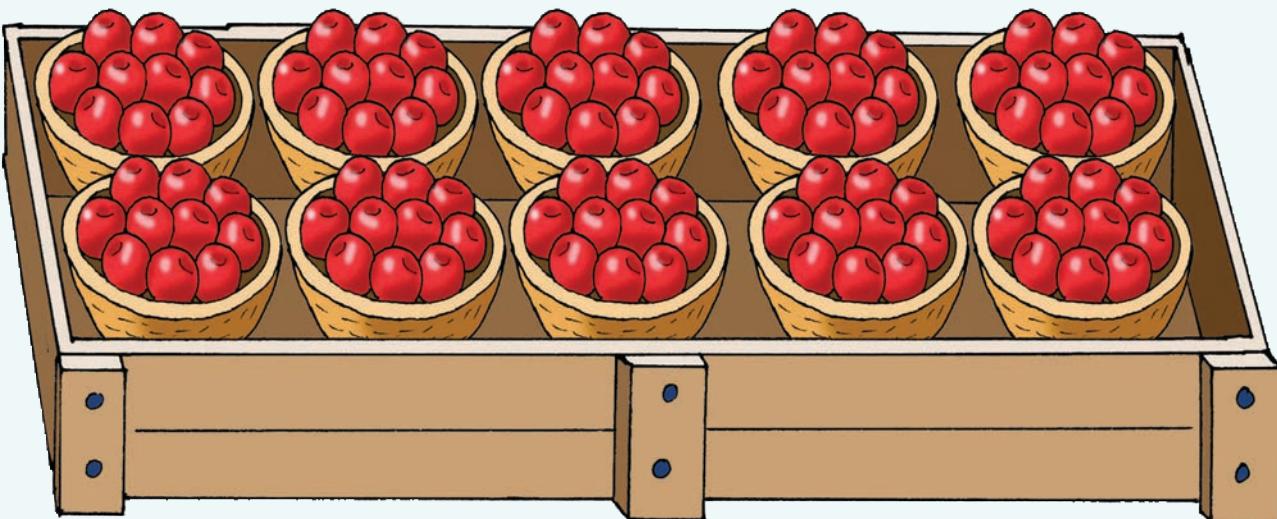
Umhla:



Bala ama-apile



Ukuya kuma-500



Gqibezela uphindaphinde

Ibhaskithi e -1 ithatha ama-apile a _____.	$1 \times 10 = 10$
Ibhaskithi ezi -3 zinama-apile a _____.	$3 \times 10 =$
Ibhaskithi ezi -5 zinama-apile a _____.	
Ibhaskithi ezi -4 zinama-apile a _____.	
Ibhaskithi ezi -2 zinama-apile a _____.	

Ibhokisi e -1 ithatha ama-apile ali -100.	iibhokisi ezi -2 zithatha ama-apile a _____. iibhokisi ezi -4 zithatha ama-apile a _____. iibhokisi ezi -2 ezizele kangangesiqinagatha zinama-apile a _____. iibhokisi ezi -5 zithatha ama-apile a _____. iibhokisi ezi -3 zithatha ama-apile a _____. iibhokisi ezi -1 ithatha ama-apile ali -100.
Ibhokisi ezi -3 zithatha ama-apile a _____. Ibhokisi ezi -5 zithatha ama-apile a _____. Ibhokisi ezi -2 zithatha ama-apile a _____. Ibhokisi ezi -4 zithatha ama-apile a _____. Ibhokisi ezi -1 ithatha ama-apile ali -100.	
Ibhokisi ezi -2 zithatha ama-apile a _____. Ibhokisi ezi -4 zithatha ama-apile a _____. Ibhokisi ezi -2 ezizele kangangesiqinagatha zinama-apile a _____. Ibhokisi ezi -5 zithatha ama-apile a _____. Ibhokisi ezi -3 zithatha ama-apile a _____. Ibhokisi ezi -1 ithatha ama-apile ali -100.	
Ibhokisi ezi -1 ithatha ama-apile ali -100.	

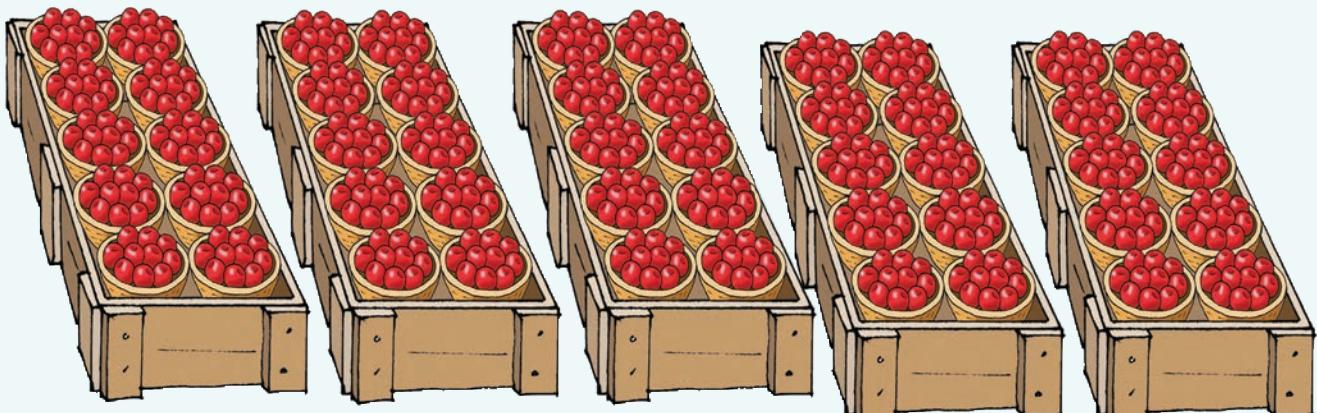


Kukho ama-apile ali -10 kwibhasikithi e -l.

Kukho iibhasikithi ezi \_\_\_\_\_ kwibhokisi enye.

Kukho ama-apile a \_\_\_\_\_ kwibhokisi enye.

Mangaphi ama-apile akhoyo ewonke? \_\_\_\_\_



Ukubala, ukubonisa nokubhala

300

40

5

Qala usebenzise amakhadi amanani ubonise isiphumo ngasinye. Bhala ke ngoku inani.

$$3 \text{ iikreyjithi } \begin{array}{|c|}\hline \text{apples} \\ \hline \end{array} + 4 \text{ iibhasikithi } \begin{array}{|c|}\hline \text{cherries} \\ \hline \end{array} + 5 \text{ ama-apile } \begin{array}{|c|}\hline \text{apple} \\ \hline \end{array} = 345 \text{ ama-apile}$$

$$4 \text{ iikreyjithi } \begin{array}{|c|}\hline \text{apples} \\ \hline \end{array} + 5 \text{ iibhasikithi } \begin{array}{|c|}\hline \text{cherries} \\ \hline \end{array} + 7 \text{ ama-apile } \begin{array}{|c|}\hline \text{apple} \\ \hline \end{array} = \underline{\hspace{2cm}} \text{ama-apile}$$

$$5 \text{ iikreyjithi } \begin{array}{|c|}\hline \text{apples} \\ \hline \end{array} + 2 \text{ iibhasikithi } \begin{array}{|c|}\hline \text{cherries} \\ \hline \end{array} + 3 \text{ ama-apile } \begin{array}{|c|}\hline \text{apple} \\ \hline \end{array} = \underline{\hspace{2cm}} \text{ama-apile}$$

$$4 \text{ iikreyjithi } \begin{array}{|c|}\hline \text{apples} \\ \hline \end{array} + 7 \text{ iibhasikithi } \begin{array}{|c|}\hline \text{cherries} \\ \hline \end{array} + 2 \text{ ama-apile } \begin{array}{|c|}\hline \text{apple} \\ \hline \end{array} = \underline{\hspace{2cm}} \text{ama-apile}$$



50



Umhla:

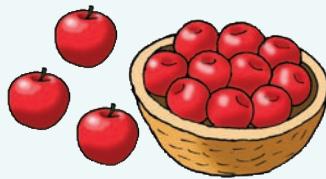
## Ukuphindaphinda nokwahlula (10)



Ukubala ama-apile

Gqibezela itheyibhile

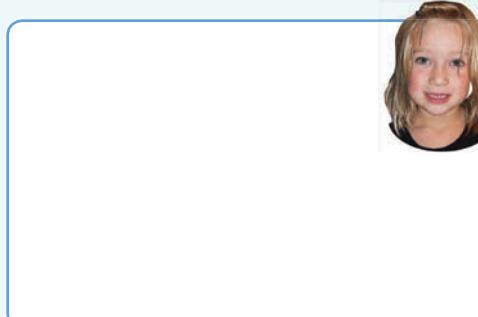
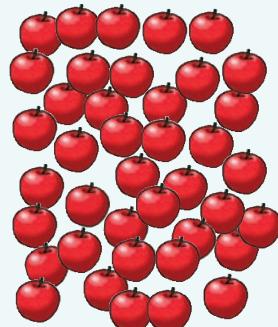
Zingaphi iibhasikithi ezinama-apile?



Ama-apile	10	20	30	40	50
Iibhasikithi	1	2			
isibalo so - ÷					$50 \div 10 = 5$
isibalo so - ×					$5 \times 10 = 50$

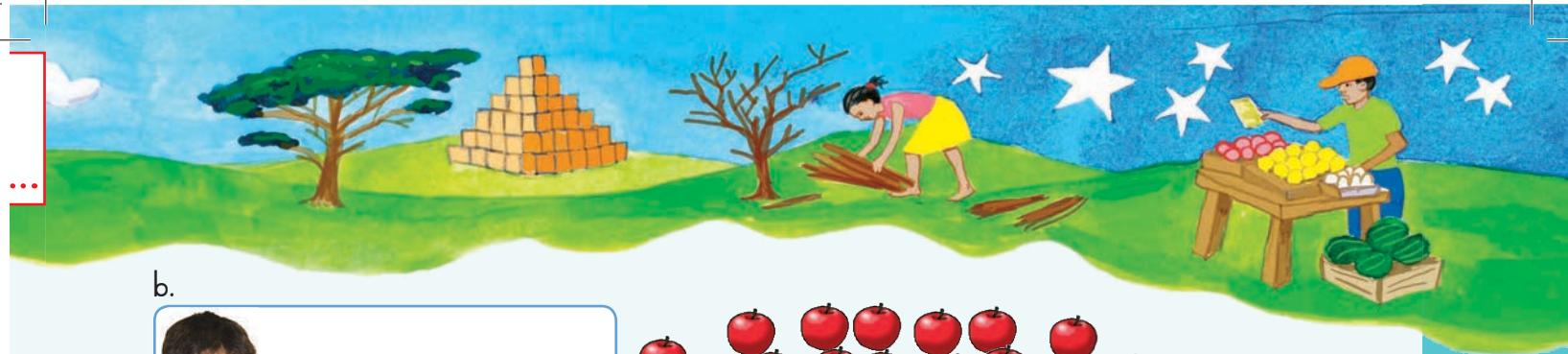


Yahlulela abantwana ama-apile. Yenza umfanekiso. Bhala isibalo sokwahlula-hlula nesokuphinda-phinda ukuze uhlole impendulo yakho.

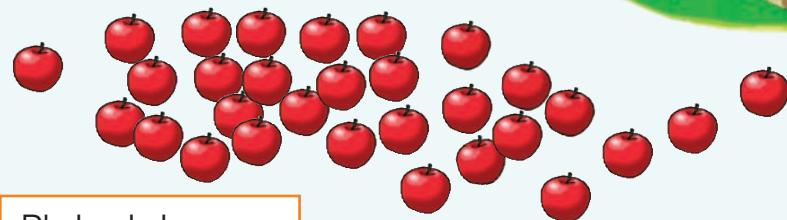


Hlola iimpendulo zakho

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

b.



Bhala isibalo so - ÷



Bhala isibalo  
so - × ukuze uhlole  
iimpendulo zakho



Sebenzisa amanani uzenzele ezakho izivakalisi zamanani.



Umzekelo

$$\div \quad 40 \div 10 = 4$$

$$\times \quad 4 \times 10 = 40$$



a.

$$\div \quad \boxed{\phantom{000}}$$

$$\times \quad \boxed{\phantom{000}}$$



b.

$$\div \quad \boxed{\phantom{000}}$$

$$\times \quad \boxed{\phantom{000}}$$



c.

$$\div \quad \boxed{\phantom{000}}$$

$$\times \quad \boxed{\phantom{000}}$$



Bhala inani elincinci nge -10 nelikhulu nge -10 kunenani olinikiweyo.

\_\_\_\_, 460, \_\_\_\_

\_\_\_\_, 390, \_\_\_\_

\_\_\_\_, 500, \_\_\_\_

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

11    12    13    14    15    16    17    18    19    20

11    12    13    14    15    16    17    18    19    20

51



Umhla:



## Bala ngezibini (2)

Ukubala ngezi-2 usiya phambili nokubuya umva

- 232; 234; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 242; \_\_\_\_\_; \_\_\_\_\_; 248
- 500; \_\_\_\_\_; 496; \_\_\_\_\_; \_\_\_\_\_; 490; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_
- 460; \_\_\_\_\_; \_\_\_\_\_; 400; \_\_\_\_\_; 360; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_
- 341; \_\_\_\_\_; 361; \_\_\_\_\_; \_\_\_\_\_; 391; \_\_\_\_\_; 411; \_\_\_\_\_; \_\_\_\_\_



Izibini zeeglavu



- Zingaphi izibini zeeglavu kumqolo omnye? \_\_\_\_\_
- Zingaphi iiglavu ezinganye kumqolo omnye? \_\_\_\_\_
- Mingaphi imiqolo? \_\_\_\_\_
- Zingaphi iiglavu zizonke? \_\_\_\_\_
- Bonisa indlela obale ngayo.
- Bhala impendulo yakho njengesivakalisi samanani.  
\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_

1    2    3    4    5    6    7    8    9    10



Zingaphi iiglavu?

Bhala kwiitheyibhile.

a.

Izibini										
Izibini zeeglavu		2								

b.

Iglavu enye	20	21	70	73
Izibini ezinokwenziwa				
Iiglavu ezinganye ezishiyekileyo				



Bala ngezibini

a. Leliphi inani eliphakathi?

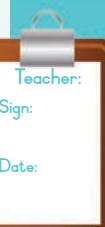
264, _____, 268	391, _____, 395	414, _____, 410
-----------------	-----------------	-----------------

b. Bhala amanani amabini alandelayo.

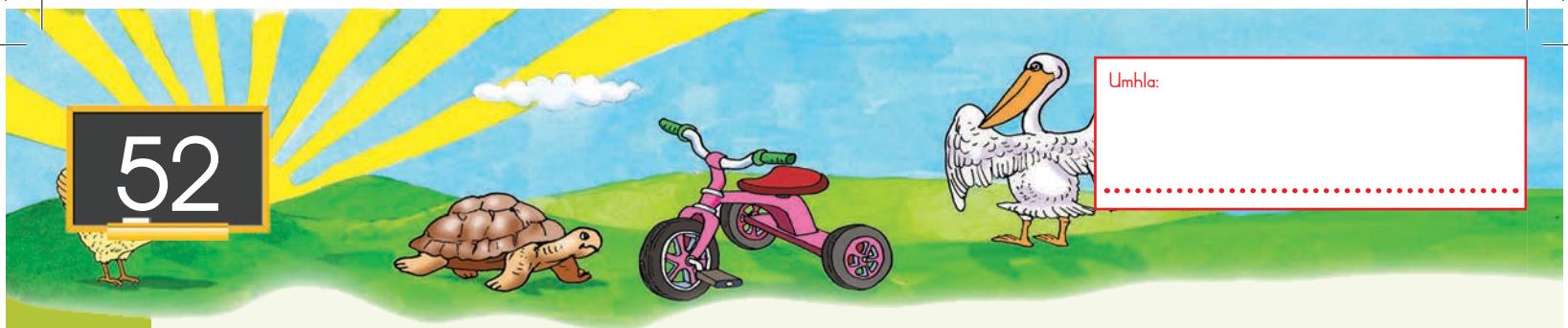
373, 375, <u>377</u> , <u>379</u>	480, 482, _____, _____	262, 264, _____, _____
-----------------------------------	------------------------	------------------------

c. Bhala amanani amabini alandelayo.

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



11    12    13    14    15    16    17    18    19    20



## Ucwangcwiso Iwegadi

UNkosikazi Mabena uneethayile zomgangatho ezintle.

Uzisebenzisa ukugangatha ecaleni kwegadi yakhe.

Kunezikwere ezi -6 ezilinganayo.

Ndingazibeka  
njani?



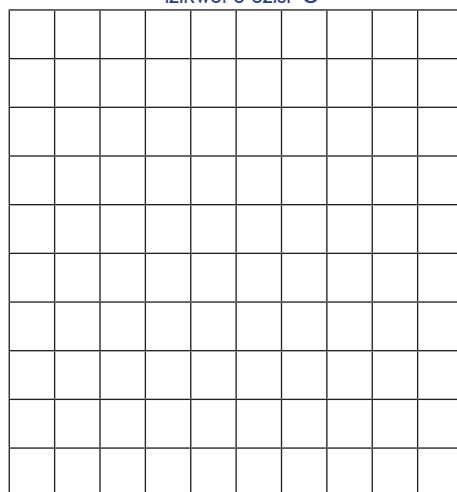
Ndingenza uluhlu olunye ngeethayile ezi -6.	Ndingenza izintlu ezi - 2 ngeethayile ezi -3 kuluhlu.	Ndingenza izintlu ezi -3 ngeethayile ezi -2 kuluhlu ngalunye.

## Ngoku lithuba lakho!

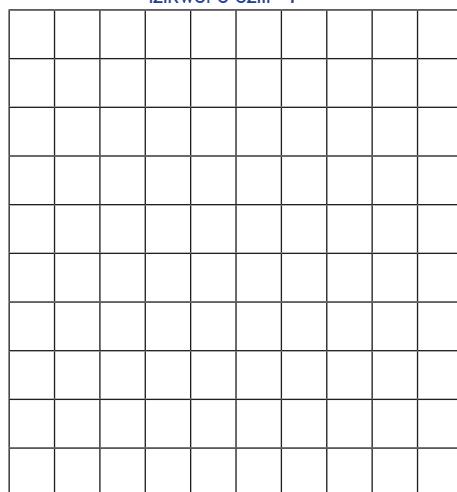
Fakela umbala kwiibloko zeethayile ubonise indlela onokuzicwangcisa ngayo izikwere zeethayile  
ezi -8 nezili -9.

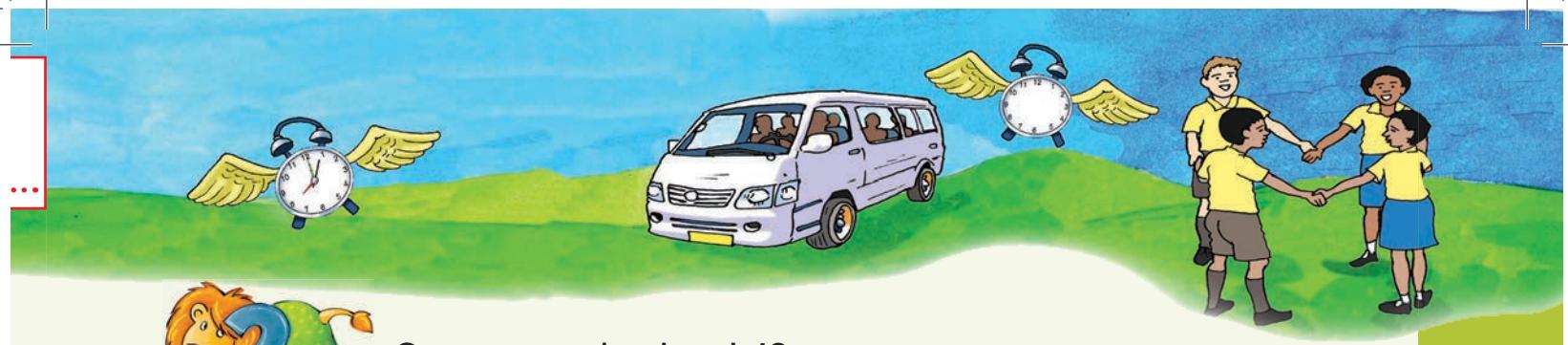
Bhala izivakalisi -manani kumzobo ngamnye.

izikwere ezisi -8



izikwere ezili -9





## Cwangcwisa iithayile ezili-12

UThabo unezikwere zeethayile ezi -12 zokugangatha ecaleni wendlu. Mncedise afumane zonke iindlela anokwenza ngazo oko. Bhala isivakalisi samanani sendlela nganye.

Umzekelo:	$1 \times 12 = 12$
	$12 \times 1 = 12$



## Cwangcwisa iithayile ezingama-24

- Sebenzisa igridi ekwiphepha lomsiko 2.
- Fakela umbala iibloko ezingama -24 ngendlela ezahlukeneyo.
- Bhala izivakalisi manani utshatise imizobo nganye -nganye.




Ndiyakwazi ukuphindaphinda!

$12 = 2 \times$ <input type="text"/>	$3 \times$ <input type="text"/> $= 12$	$9 =$ <input type="text"/> $\times 3$
$6 = 3 \times$ <input type="text"/>	<input type="text"/> $\times 3 = 12$	$24 = 3 \times$ <input type="text"/>



11    12    13    14    15    16    17    18    19    20

53

Umhla:

## Sebenzisa izihlanu



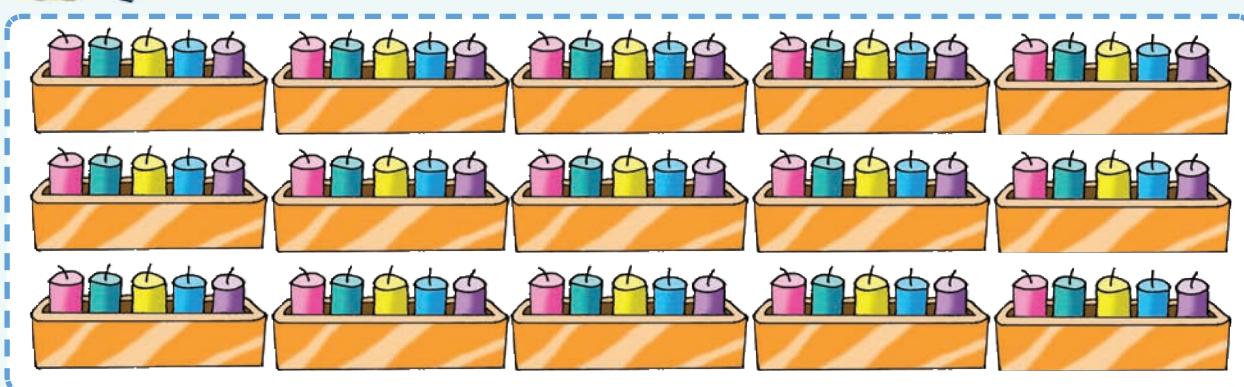
Zazi izi-5 zakho

Fakela iimpendulo.

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



Bala amakhandlela



- Mangaphi amakhandlela akwibhokisi nganye? \_\_\_\_\_
- Zingaphi iibhokisi ezikumqolo ngamnye? \_\_\_\_\_
- Mangaphi amakhandlela akumqolo ngamnye? \_\_\_\_\_
- Mangaphi amakhandlela ewonke? \_\_\_\_\_



Bonisa impendulo

Phawula (✓) izivakalisi zamanani ezibonisa itotali yenani lamakhandlela.

a.  $5 \times 3 \times 3 = \square$  b.  $15 \times 3 = \square$  c.  $3 \times 5 \times 5 = \square$  d.  $15 \times 5 = \square$



## Bala uye phambili nasemva ngezi-5

- a. 85; \_\_\_\_\_; \_\_\_\_\_; 70; \_\_\_\_\_; \_\_\_\_\_; 55; \_\_\_\_\_; \_\_\_\_\_  
 b. 240; \_\_\_\_\_; \_\_\_\_\_; 255; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 280  
 c. 405; \_\_\_\_\_; 395; \_\_\_\_\_; \_\_\_\_\_; 380; \_\_\_\_\_; \_\_\_\_\_; 365; \_\_\_\_\_



### Qokelela imali eziinkozo ze-R5



Abantwana baqokelela iingqekembe ze -R5. Kufuneka baqokelele iingqekembe ze -R5 ezingaphi ukuze babe ne -R \_\_\_\_\_. Sikwenzele ezimbini zokuqala.

$R5 \div R5$ = 1 Ingqekembe (yemali)	$R10 \div R5$ = 2 iingqekembe	R15? _____	R20? _____	R25? _____
R30? _____	R35? _____	R40? _____	R45? _____	R50? _____
$2 \times R5 =$ <input type="text"/> R	$4 \times R5 =$ <input type="text"/> R	Uyayibona ipatheni?		
$3 \times R5 =$ <input type="text"/> R	$6 \times R5 =$ <input type="text"/> R			



### Phindaphinda ngezi-5

Umzekelo: I  $\times$  5 = 5; II  $\times$  5 = 55; III  $\times$  5 = 105

Cingisia! Thetha ngokwaziyo nokuyinyaniso!

I	2	3	4	5	6	7	8	9	10
5	10								
II	12	13	14	15	16	17	18	19	20
55									



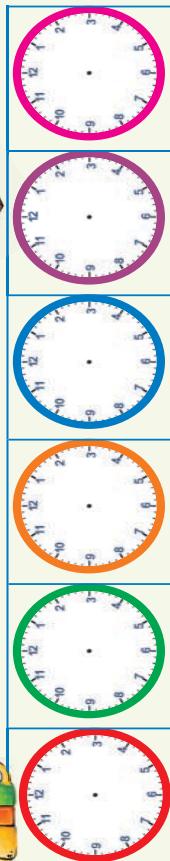
11 12 13 14 15 16 17 18 19 20

54

## II kota yesi-2



## Ulkusebenza ngexesha



Ical a emva kwentsimbi yesi -5	Ngumkhono phamphi kwentsimbi yesumi elinanye	Ngumkhono emva kwentsimbi ye -12	12:45	6:15	4:30
--------------------------------	--	----------------------------------	-------	------	------



## Amaqhina angexesha

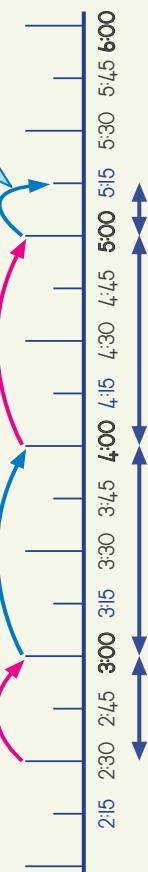
Umama ka Namsa ulishiya ikhaya emva kwemini nge **2:30**. Ubuya nge **5:15** emalanga. Uba nesha elingakanani engekho khaya?



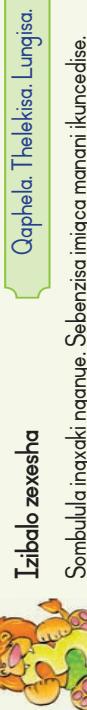
Xaqiqitha  
isiqingadha seyure  
iza kuba yeje -3:00  
emalanga.

Emva koko  
kufuneka utsie  
kangangomkhono  
weyure e dkuq kufika  
ka -5:15 emalanga.

Ukutsiba iyure yonke  
iza kwenza ukuba ibe  
yeje -5:00 emalanga.



isi -  $\frac{1}{2}$  seyure kunye neeyure e zipheloleyo ezimbini zenza iyure  
ezi -  $\frac{1}{2}$ . Xa zidibene ne  $\frac{1}{4}$  ngaphezulu zenza iyure ezi -  $\frac{3}{4}$  zionke.



## Qaphela. Thelekisa. Lungisa.

Sombulula ingxaki nganue. Sebenzisa imiggia manani ikuncedise.



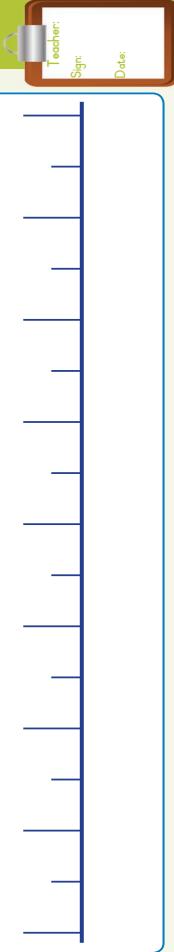
- a. UNonkolo undwendwela utata wakhe eklinskihi nge - **15:45** emalanga. Umshiyga nge - **17:15** emalanga.  
Uhlala ixesha elingakanani.



- b. UNjongo uya epakini nge - **10:45** kusasa.  
Ubuya ekkhayana nge - **12:30** emini.  
Ebengekho ixesha elingakanani?

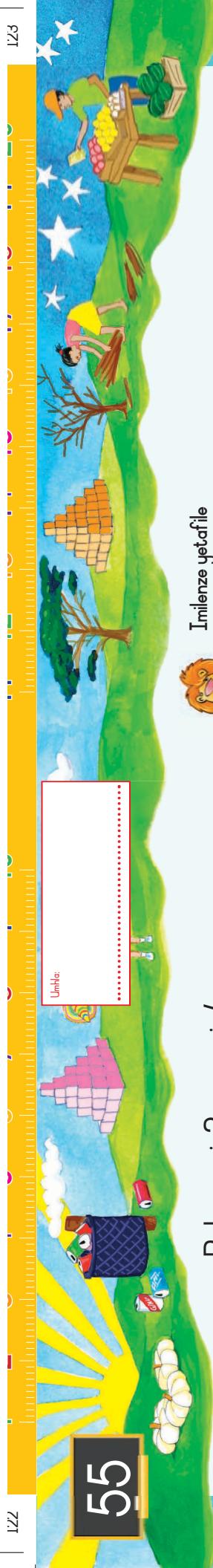


- c. UThumeka uqalisa ukufunda nge - **13:15**.  
Uqiba nge - **14:45**.  
Ufunde ixesha elingakanani u Thumeka?



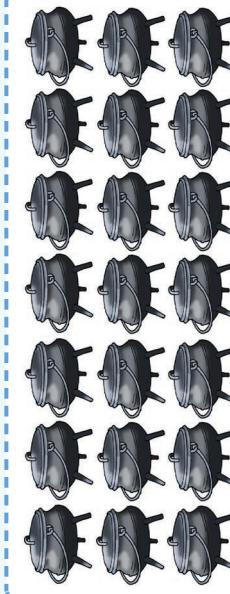
1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20



## Bala ngezi-3 nangezi-4

Timbiza ezinemilenze emi-3



Dibansisa uze ubhale  
iimpendulo.

Imilenze yetafile



- Zingaphi iimbiza kumqolo ngamnye? \_\_\_\_\_
- Mingaphi imilenze kumqolo ngamnye? \_\_\_\_\_
- Mingaphi imiqolo yeetafile? \_\_\_\_\_
- Mingaphi imilenze ijonke? Bonisa indrella obale ngayo. \_\_\_\_\_

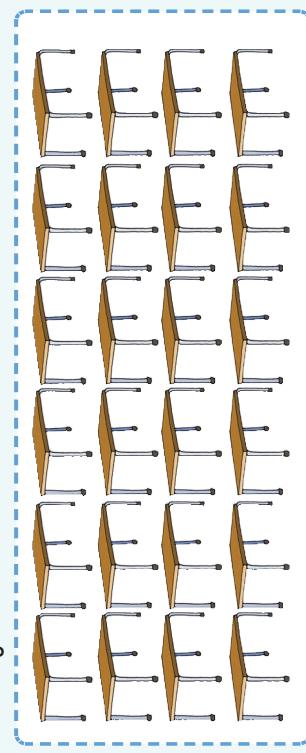
Phawula (✓) izivakalisi manani eziponisa itotali.

$$2 \times 7 = \boxed{\quad} \quad 3 \times 7 \times 3 = \boxed{\quad} \quad 3 \times 4 \times 2 = \boxed{\quad} \quad 2 \times 3 = \boxed{\quad}$$

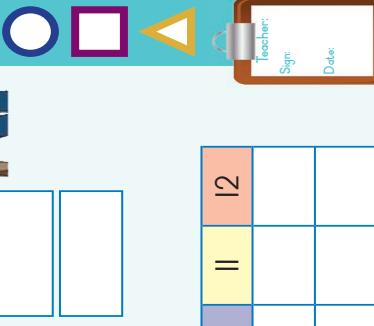
Mingaphi imilenze?

1 iimbiza	3 imilenze	10 iimbiza	5 imilenze	12 iimbiza	6 imilenze	4 imilenze	8 imilenze	10 imilenze	11 imilenze
2 iimbiza	imilenze	15 iimbiza	imilenze	13 iimbiza	imilenze	14 iimbiza	imilenze		
5 iimbiza	imilenze								

Ikota yesi-2



- Zingaphi iitafile kumqolo ngamnye? \_\_\_\_\_
- Mingaphi imilenze kumqolo ngamnye? \_\_\_\_\_
- Mingaphi imiqolo yeetafile? \_\_\_\_\_
- Mingaphi imilenze ijonke? Bonisa indrella obale ngayo. \_\_\_\_\_



Wenze engama -48 ukuzu kuthi ga ngoku. Angenza itafile ezingaphi?

Kufuneka imilenze emingaphi ukuze enye itafile.



Giqibezela igridi ngokufakela iimpendulo.

× 3	2	3	4	5	8	10	11	12
× 4								

1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

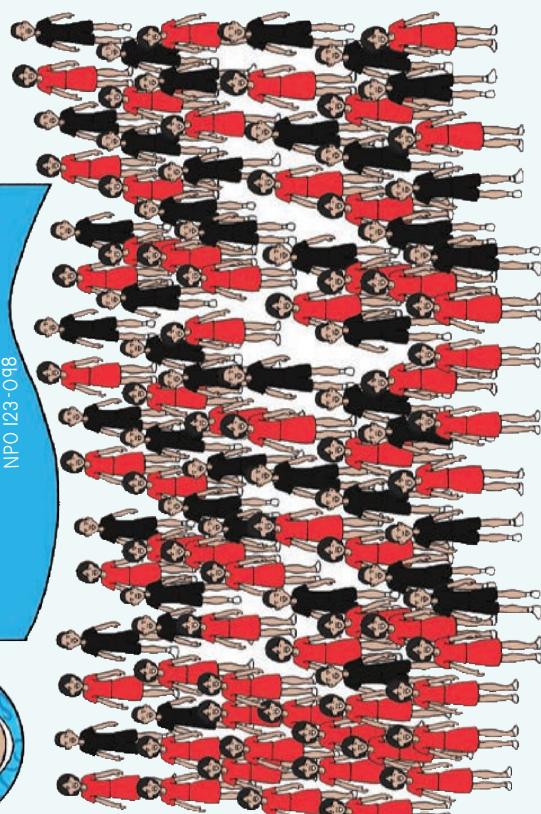
## Bala ngama-50

Umtwana omnye, ingubo enye!

Bangaphi abantwana? Qikela uze ubabale.



## Ingubo Yethemba

Gcina abantwana bethu befudumele  
NPO | 23 - 098

Bahlawula malini?

Ugwazi      Bahlawula      ezi-2.  
Uhlawula      RUhlawula      Uthenga      ezi-2.  
Unkosikazi Siko      Uthenga      ezi-5  
Uhlawula      RUhlawula      Kwenkile yakwa Thembu      bathenga  
Bahlawula      RBahlawula      ezingama-20.  
Kwenkile yakwa Thembu      bathenga

Bahlawula      R

Umlilo.

**Nikelə ngoku!**  
ama-R50  
engubo e-1

Bahlawula malini?

Ugwazi      Bahlawula      ezi-2.  
Uhlawula      RUhlawula      Uthenga      ezi-2.  
Unkosikazi Siko      Uthenga      ezi-5  
Uhlawula      RUhlawula      Kwenkile yakwa Thembu      bathenga  
Bahlawula      RBahlawula      ezingama-20.  
Kwenkile yakwa Thembu      bathenga

Bahlawula      R



Iza kuthathha ixsha elingakanani? Sebenzisa ikhalenda.

Iklaşı yebanga lesi-3 iqokelela imali ezakuthenga  
ngayo iingubo ezi-4.  
Baqkelela-i: R5 ngosuku kwintsku ezi-5 zeveki.  
Kufuneka iiveki ezingaphi ukuze baqokelele imali yeqengubo?Teacher:  
Sign:  
Date:

Mangaphi amakhwenkwe? Mangaphi amantombazana? \_\_\_\_\_

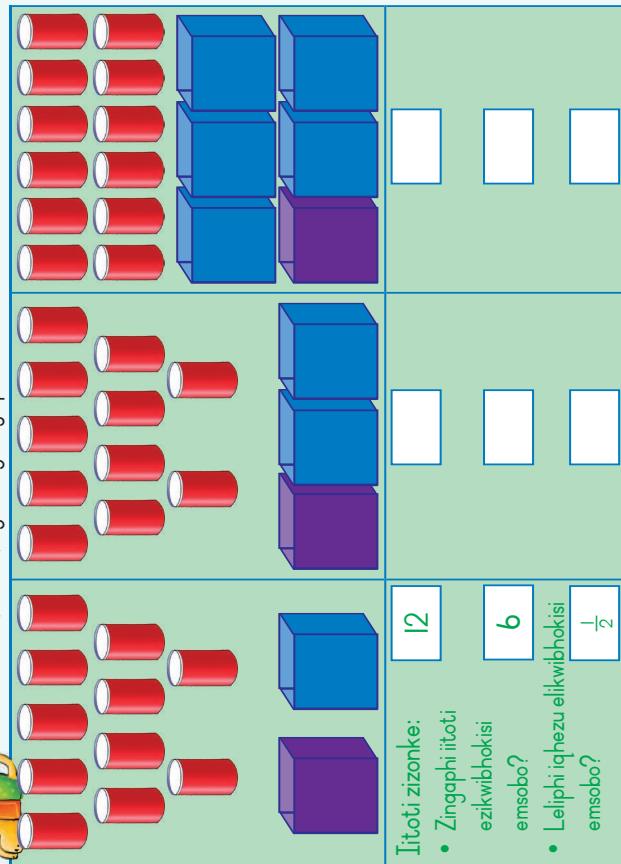
1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

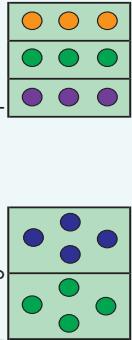


## Amaqhezu: iziqingatha, izithathu nezithandathu

Yahulula iitoti (isiilinda) ngokulunganayo phakathi kwebbokisi.



Jongai imfanekiso uze uphendule imibizo.



Zingaphri izangqa  
ozibalyo?

Nika isi  $\frac{1}{2}$  sezangqa?

Nika  $\frac{2}{3}$  sezangqa?

Nika  $\frac{3}{3}$  sezangqa?

Nika  $\frac{4}{6}$  sezangqa?

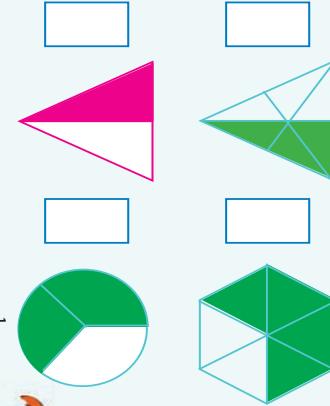
Nika  $\frac{5}{6}$  sezangqa?

<input type="checkbox"/>	<input type="checkbox"/>

Biyelungesangqa iqhezu elikhulu.

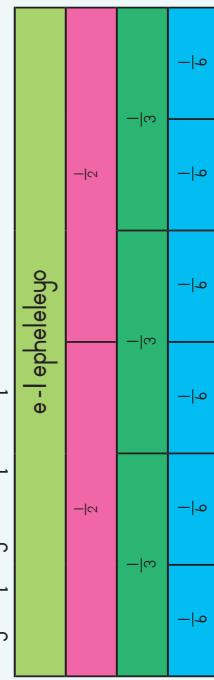
- a.  $\frac{1}{2}$   $\frac{1}{3}$
- b.  $\frac{1}{2}$   $\frac{1}{6}$
- c.  $\frac{1}{2}$   $\frac{2}{6}$

Bhalai iquezu lendawo enombala.



- Bonisa isi  $-\frac{1}{2}$  sobude berula. Silingana ne ... cm.
- Bonisa isinye kwisithathu kwirula. Silingana ne ... cm
- Bonisa isinye kwisithandathu kwirula. Silingana ne ... cm

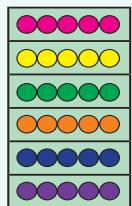
Jongai iziqwenga zamaghezu. Gaibezela izivakalis.



- Kukho iziqingatha ezi... kwinto enye epheleleyo.
- Kukho izithathu ezi... kwinto enye epheleleyo.
- Kukho izithandathu ezi... kwinto enye epheleleyo.
- Kukho izithandathu ezi... kwisiqingatha.
- Kukho izithandathu ezi... kwisithathu.



Bhalai iquezu lendawo enombala.



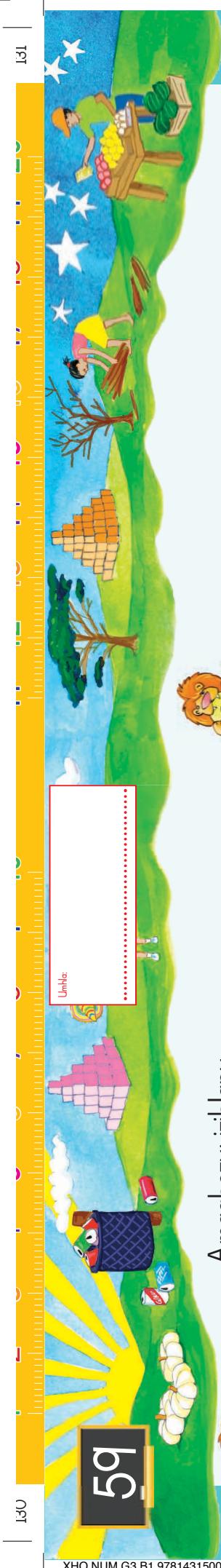
<input type="checkbox"/>	<input type="checkbox"/>

Biyelungesangqa iqhezu elikhulu.

- a.  $\frac{1}{2}$   $\frac{1}{3}$
- b.  $\frac{1}{2}$   $\frac{1}{6}$
- c.  $\frac{1}{2}$   $\frac{2}{6}$

1 2 3 4 5 6 7 8 q 10

11 12 13 14 15 16 17 18 19 20



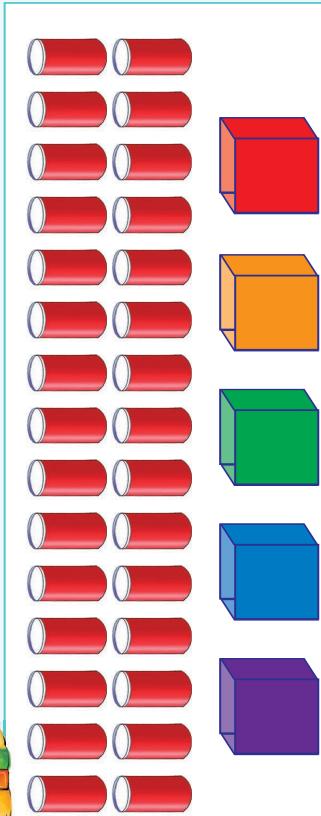
## Amaqhezu: izihlanu

Yahulu iitoti zingene kwiibholisi ezi -5.

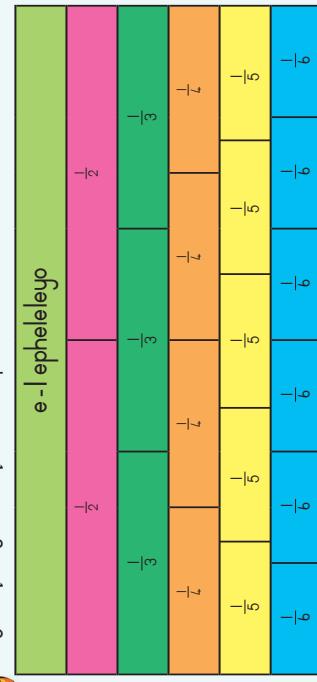


5q

Ikota jyesi-2



- Kwizihlanu esinye seebhokisi kukho iitoti ezi **6**.
- Kwizihlanu ezibini zeebhokisi kukho iitoti ezi .
- Kwizihlanu ezithathu zeebhokisi kukho iitoti ezi .
- Kwizihlanu ezine zeebhokisi kukho iitoti ezi .
- Kwizihlanu ezihlanu zeebhokisi kukho iitoti ezi .



Jonga umfanekiso uze uphendule imibuzo.

Zingaphi liitshokolethi ezisebhokisini?

- Isihlanu esinye seetshokolethi silingana ne .
- Izihlanu ezibini zeetshokolethi zilingana ne .
- Izihlanu ezithathu zeetshokolethi zilingana ne .
- Izihlanu ezine zeetshokolethi zilingana ne .
- Izihlanu ezihlanu zeetshokolethi zilingana ne  $\frac{5}{5}$  seetshokolethi. Zingaphi liitshokolethi ezishiyekleyo?
- Ngosuku lokaqala ndatuya esinuje isi - . Zingaphi liitshokolethi ezishiyekleyo?



Biyela ngesangqa sikhulu- okanuje sincinci-

a.  $\frac{1}{2}$  sikhulu / sincinci kune -  $\frac{1}{2}$ .

b.  $\frac{1}{3}$  sikhulu / sincinci kune -  $\frac{1}{3}$ .

c.  $\frac{1}{5}$  sikhulu / sincinci kune -  $\frac{1}{5}$ .

d.  $\frac{1}{6}$  sikhulu / sincinci kune -  $\frac{1}{6}$ .

e.  $\frac{3}{6}$  sikhulu / sincinci kune -  $\frac{3}{6}$ .



11 12 13 14 15 16 17 18 19 20

1 2 3 4 5 6 7 8 9 10

Umhlo.

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## Izinto ezinemililinganiselo emi-3 (3D)

Bala iibhokisi (iprizimu).   
 Bala iibhola (iingqakumba)   
 Bala iiislinda



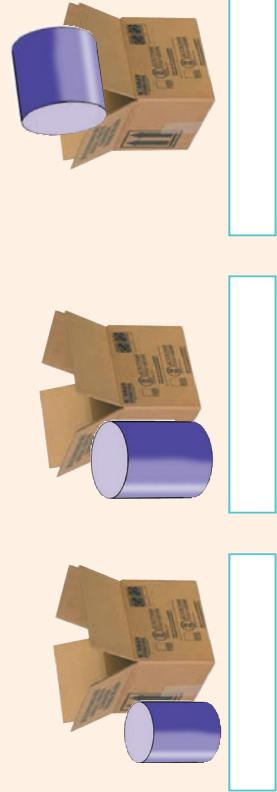
Ikota yesi-2

Sebenzisa izinto zakhō wakhe oku ku landelayo.

Chaza indawo yesilinda usebenzise la magama.

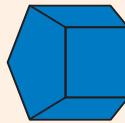
Ngaphambili

Ecaleni

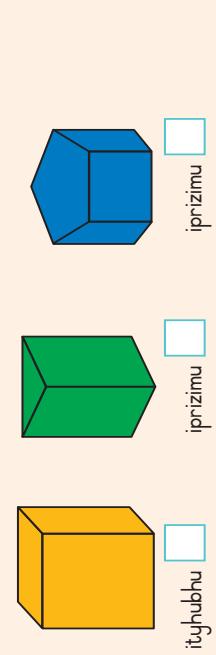


Zonke ezi zinto ziibhokisi

Zenze ngamaphephpha qaphuma ku Miski 3 no Miski 4.



Umphezelu osicaba ubizwa ngokuba bubuso. Ncamathelsa okanye zoba ubuso obuncumileyo kubuso ngabunye bebhokisi. Zingaphi iimbuza ozincamathelesileyo:



Yenza ke ngoku isilnda ngaphephha lo Miski 4.

Ingabu iimbuza zesilinda zimcaba okanye zigobile?

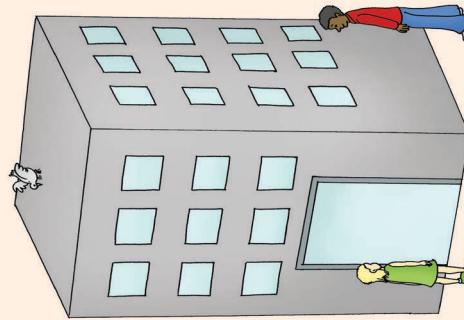


Intombazana jonge ku \_\_\_\_\_ wesakhiwo.

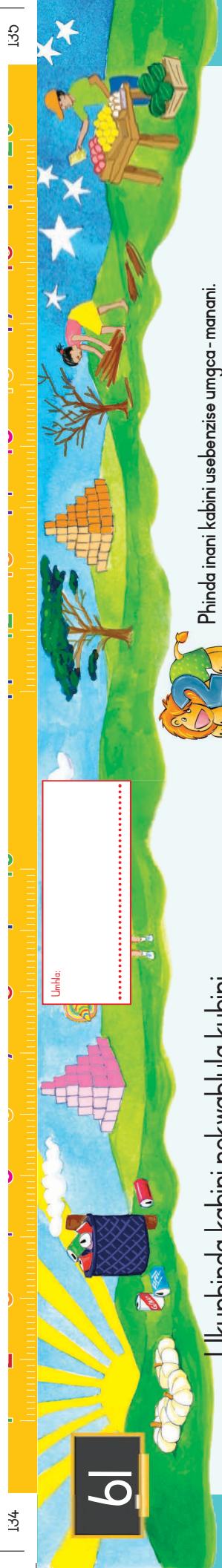
Indada jonge kw \_\_\_\_\_ lesakhiwo.

Intaka jonge ku \_\_\_\_\_ wesakhiwo

calal  mphezelu  mpambili



Teacher:  
Sign:  
Date:



## Ukuphindala kabini nokwahluu kabini

Usakhumbula? isi-2 sisigingathaa sesi-4

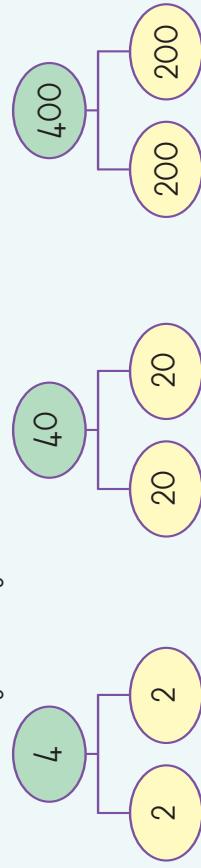
ama-20 sisigingathaa sama-40

ama-40 ngama-20 aphindwe kabini

ama-200 sisigingathaa sama-400

ama-400 ngama-200 aphindwe kabini

Khumbula! Oku singakubonisa ngomfanekiso...



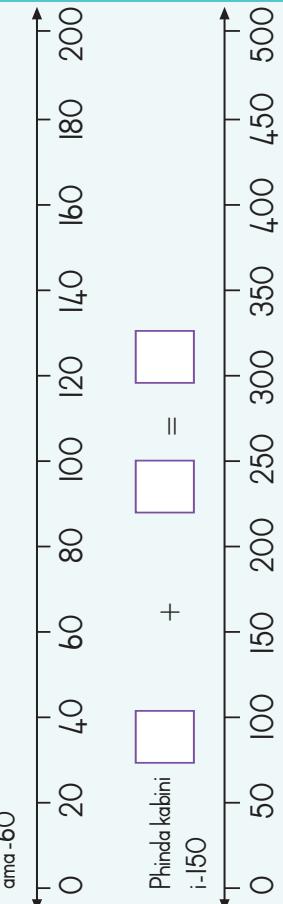
Ikota yesi-2

Phinda inani kabini usebenzise umgca - manani.  
Sikwenzele umzekele wokuqala.

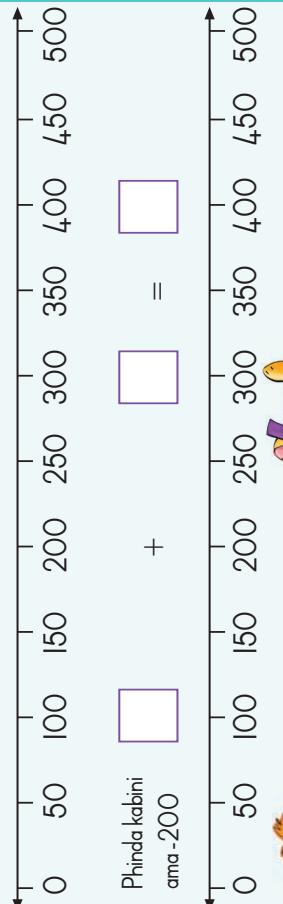
Umzekele  
Phinda kabini  
ama-40



Phinda kabini  
ama-60



Phinda kabini  
ama-150

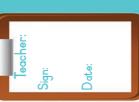


Gibezela oku  
kulandelayo

- |                      |     |
|----------------------|-----|
| a. Phinda kabini-100 | 200 |
| b. Phinda kabini-150 |     |
| c. Phinda kabini-120 |     |
| d. Phinda kabini-150 |     |
| e. Phinda kabini-170 |     |

1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20



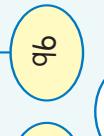
- |                         |     |
|-------------------------|-----|
| a. isiqingatha sama-220 | 110 |
| b. isiqingatha se-180   |     |
| c. isiqingatha sama-260 |     |
| d. isiqingatha sama-60  |     |
| e. isiqingatha sama-320 |     |

62

## Iktota jesi-2

### Okunye ngokuphindika kabini nokwahllula kubini

Khangela uphindaphindika kabini okanye iziqingatha

- a.  73
- b.  148
- c.  qb
- d.  134
- e.  166
- f.  8q

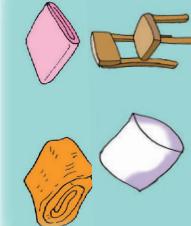
Gcina imali yokuthenga  
ibhayisekile

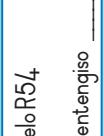
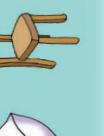
UNtsasa ugcina ama -R25 ngəveki ukuze athenge  
ibhayisekile. Kufuneka agcine imali iiveki ezingaphi?

iiveki

Intengiso

Zonke izinto ezithengiswayo zithengiswa ngesiqingatha  
sexabiso. Bhala ixabiso lentengiso kufutshane nento  
ethengiswayo.



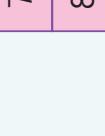
- a.  Tingubo R190  
Ixabiso lentengiso \_\_\_\_\_
- b.  Amashiti R154  
Ixabiso lentengiso \_\_\_\_\_
- c.  Imiqamelo R54  
Ixabiso lentengiso \_\_\_\_\_
- d.  Iztulu R220  
Ixabiso lentengiso \_\_\_\_\_

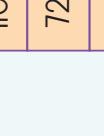
**Intengiso R450**  
Ixabiso elisiqingatha:  
ibixabisa R900 

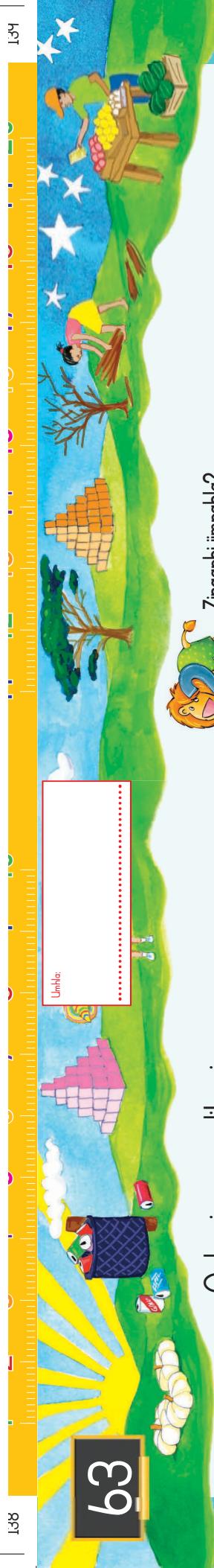
**Zirandi ezingaphi?**

USezeno ufuna ihempe. Unesiqingatha sesixa kuphela. R35	Kufuneka abe namalini ngoku? R _____
Izihlangu zikaSiko zibiza kabini kunezi. R7850	Zibiza malini izihlangu zikaSiko? R _____
Ilokhwé karPhindi ixabisa kabini kuneli ixabiso. R97	Ingabailokhwé kaPhindi ixabisa malini? R _____

**Kungena ntóni? Kuphuma ntóni?**  
Landela umzekelo. Gcwaliswa amanani ashiyelweyo.

**a.**  50  
 90  
 75  
 88  
 +10  
 phinda kabini

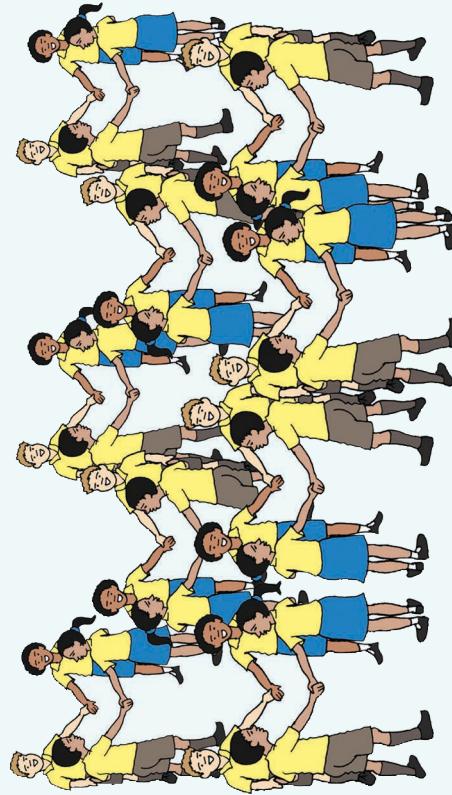
**b.**  124  
 110  
 72  
 -q  
 yahlula kabini



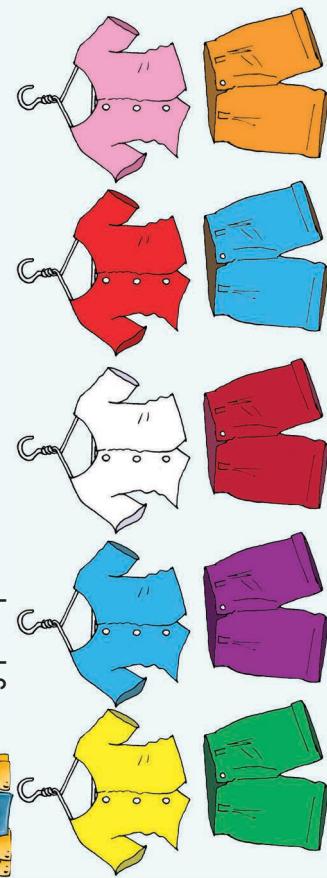
## Qukanisa uze udibaniise

### Qukanisa abantwana

UNkosikazi Ndaba ufuna ukwahlu iklassi ibe ngamaqela alinganayo aza kuddala imidalo yaphandle. Okokuqala ubahlu babe ngamaqela ama -4.



### Zingaphi iimpahla?



Uphindu uneehempe ezi -5 ezimbabalabala neebhulukhwe ezimfitshane ezimbabalabala ezi -5. Zingaphi iimpahla ezahlukenejo anokuzenza edibaniisa imibala eyahlukenejo?

Umzekelelo: Thempe ezuba/bhulukhwe emfitshane ngamnye. Bonisa zonke ezinje iimpahla ezinokwenziwa. emfitshane eorenji.

Bhalaunobumba wokuqala wombala ngamnye. Bonisa zonke ezinje iimpahla ezinokwenziwa.



Teacher:	Sign:
Date:	

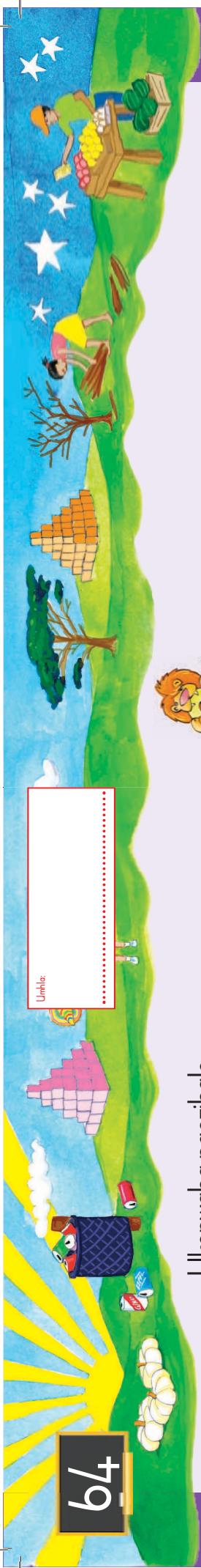
Thelekelelo: Bekunokwenzekanta ntoni xa uPhindi ebenemibala emi -6 eyahlukenejo Yeehempe neebhulukhwe ezimfitshane? Zingaphi iimpahla anokuzenza?

--

Qaphela. Thelekisa.  
Lunjisa.

1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

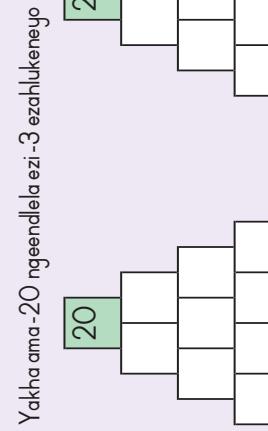
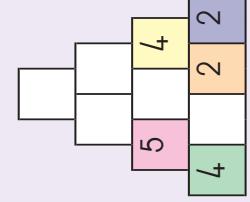
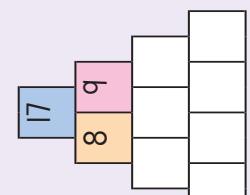
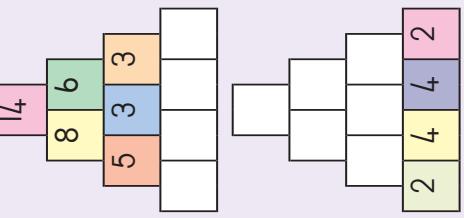


## Ukunwaba ngezibalo

Khangelā umthetho

Sebenzisa umthetho ukuze ufumane amanani angekhojo.

Yenzaoku



Ikota jyesi-2

Khangelā amanani

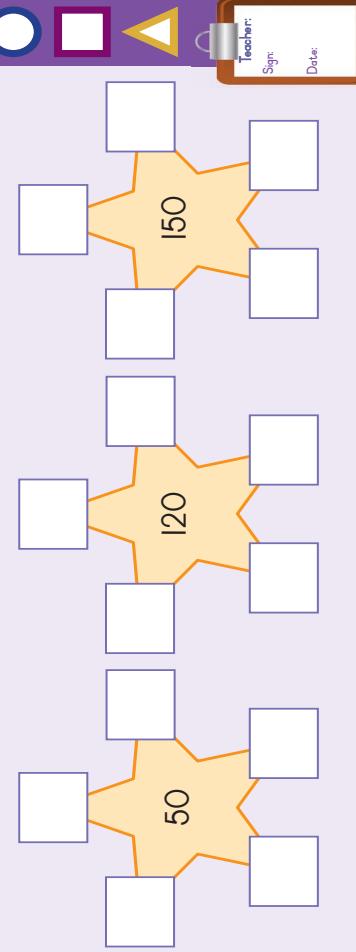
a. Umthetho: Amanani akumqolo ngamnye kufuneka amike isiphumo esili -16 edibene.

2	5	3	6
			2

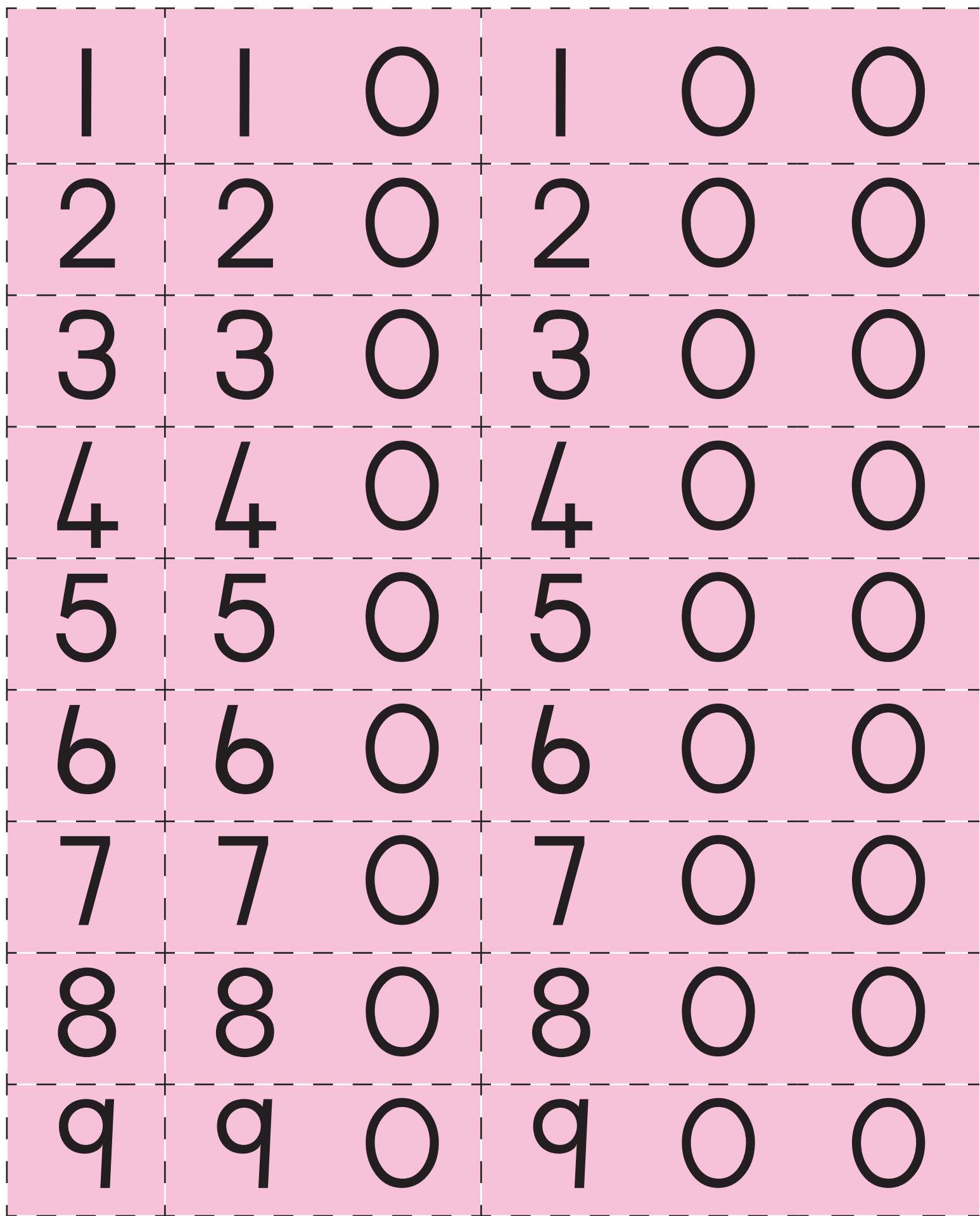
b. Umthetho: Amanani ama-3 kwimiqolo exwesileyo nadwikkholamu ezhlayo mawanike isiphumo esifanayo xo edibene.

23	28	21
12		
	10	

c. Umthetho: Fakela nokuba rawaphi amanani ama-5 athi xa editjaniswe amike inani elisembindini wenkwenkwezi.



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



I O O

I O I

2 O O 2 O 2

3 O O 3 O 3

4 O O 4 O 4

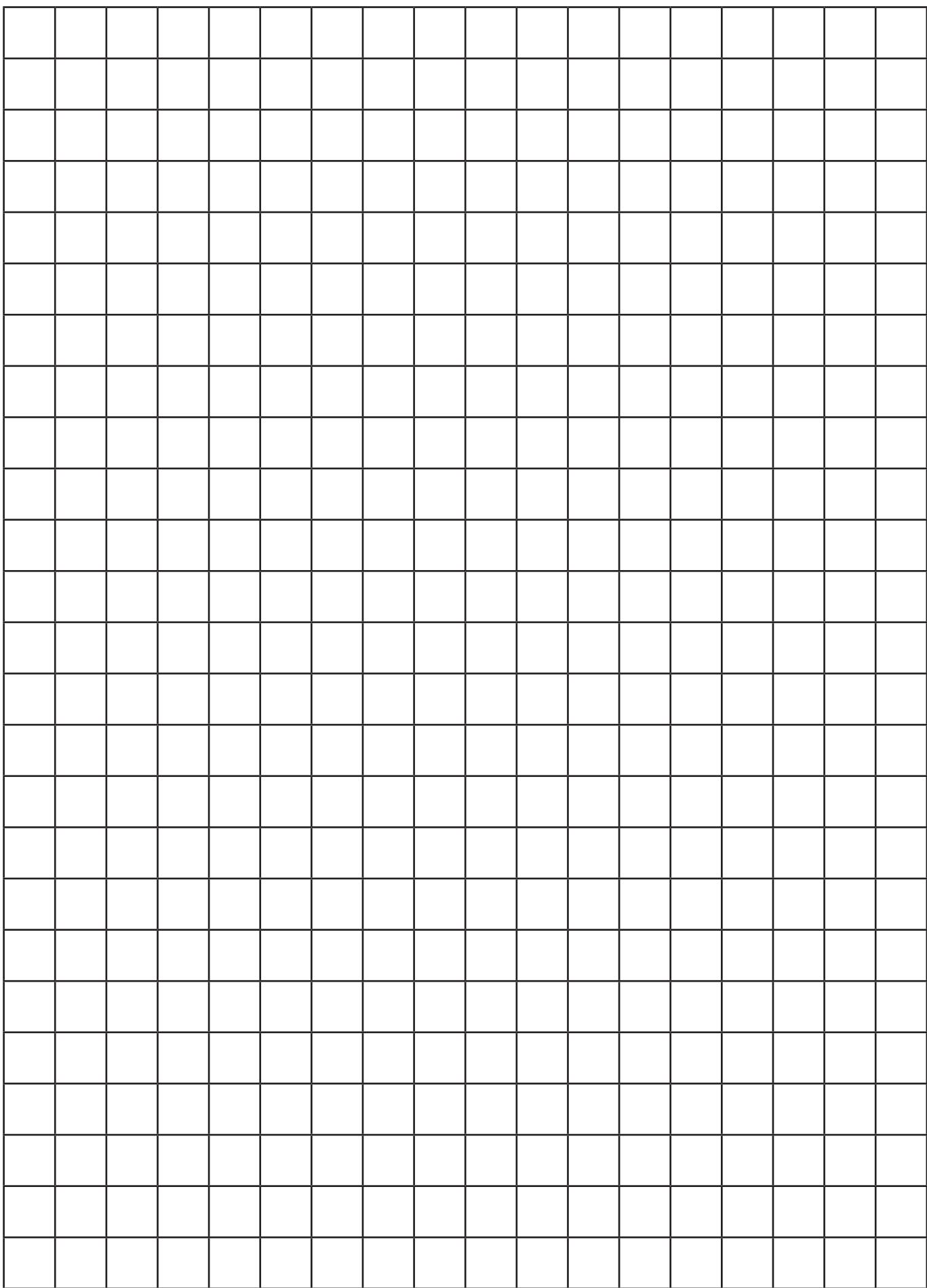
5 O O 5 O 5

6 O O 6 O 6

7 O O 7 O 7

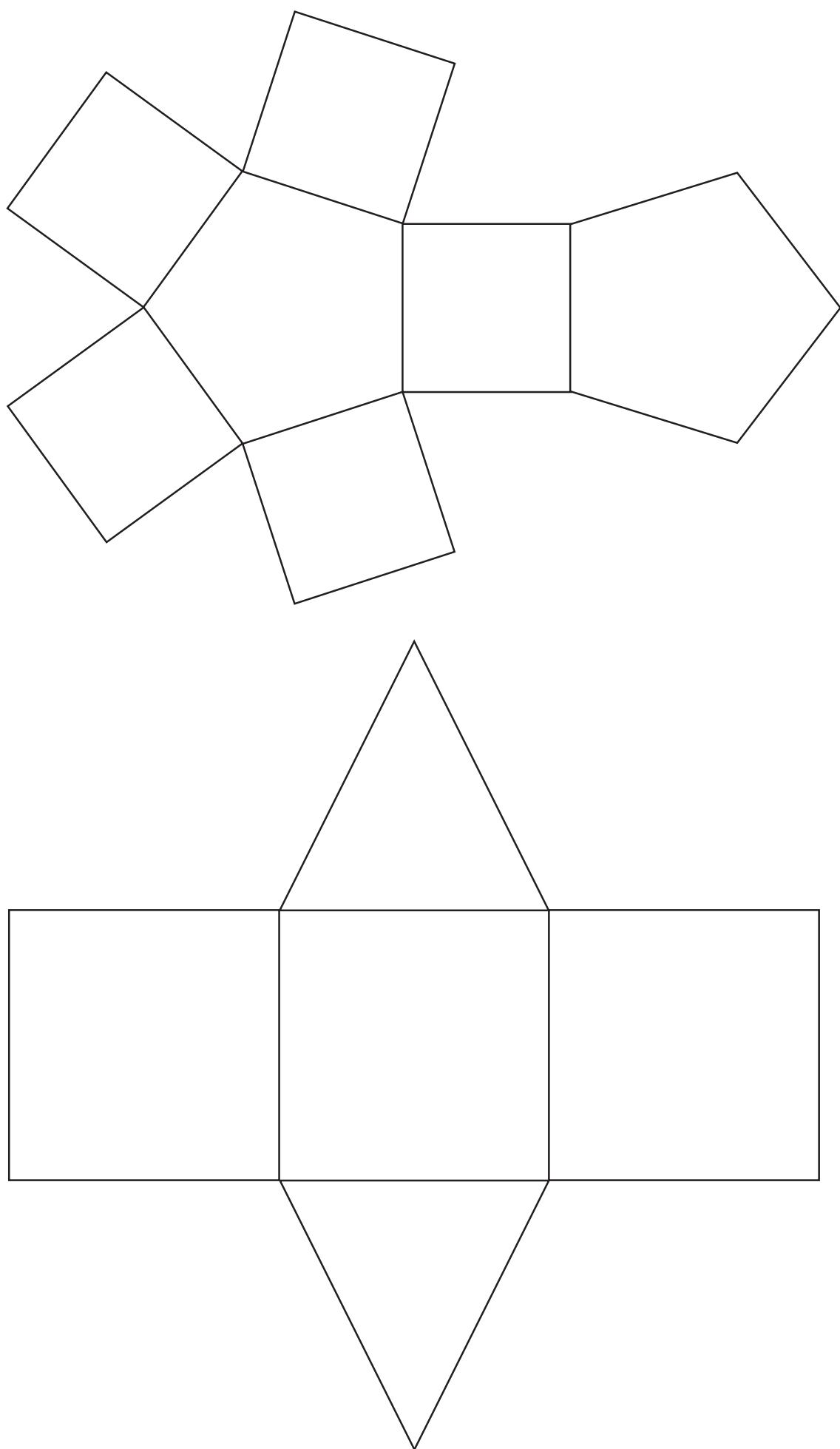
8 O O 8 O 8

q O O q O q





Cut-out 3





Cut-out 4

