

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

THIS BOOK MAY NOT BE SOLD.

13th 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 kweenekundla zamatala nangaphezulu kukarhumente.

Le mitetho ichaza indlela abemi beli lizwe abafanele ukupathana ngayo, nokuba ayintoni amalungelo noxanduva lwabo omnye komnye. Umgaqo-siseko welizwe ukho ukuze usikhusele ngalo mzuzu kwaye ukhusele nabantwana bethu kwixesha elizayo.

Masiyazi imvelaphi yethu.	Masingaphindi iimpazamo zexesa elidilulieyo.	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
nanganisiziintlobo ngeentlobo.
Thina ke ngoko, ngabameli bethu abanyulwe ngokukhululekileyo, siyawuvuma lo
mGaqo-siseko ukuba ungowona mthetho wongameleyo weRiphablikhi ukuze—
Ungcibe udibaniye izantlukwano zangaphambili uze wakhe uluntu olusekwe
kwizithethe ezibasekileyo 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 lwezizwe
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

ISBN 978-1-4315-0006-2

1 2 3 4

**Ihlaziwe yaze
yalungelelaniswa
neCAPS**

Ibanga lesi - 3

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Iklasi:

basic education
Department:
Basic Education
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IZIBALO NGESIXHOSA

Incwadi yoku-1
Ikota 1 & 2

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UNksk. Angie Motshekga,
uMphathiswa wemfundo
esisiSeko



UGqir. Reginah Mhaule,
uSekela Mphathiswa
wemfundo esisiSeko

Ezi ncwadi zilungiselelwe abantwana baseMzantsi Afrika phantsi kwephiko loMphathiswa weMfundu esisiSeko uNksk. Angie Motshekga kunye noSekela Mphathiswa weMfundu esisiSeko uGqir. Reginah Mhaule.

Ezi ncwadi zokusebenzela, iRainbow Workbooks, lelineyelamalinge ongenelelo eSebe leMfundu esisiSeko ajo ide 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 ukuvvelisa ezi ncwadi, zifumanekengazo zonke iilwimi ezisemthethweni ngexabiso eliphantsi.

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

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

Sinqwenela ukuba nibe nempumelelo ekusebenziseni ezi ncwadi.

Ibanga
lesi-3



Imathematika NGESIXHOSA

Le ncwadi yeka:-



ISIXHOSA

Incwadi
yoku-

I



Umhla:

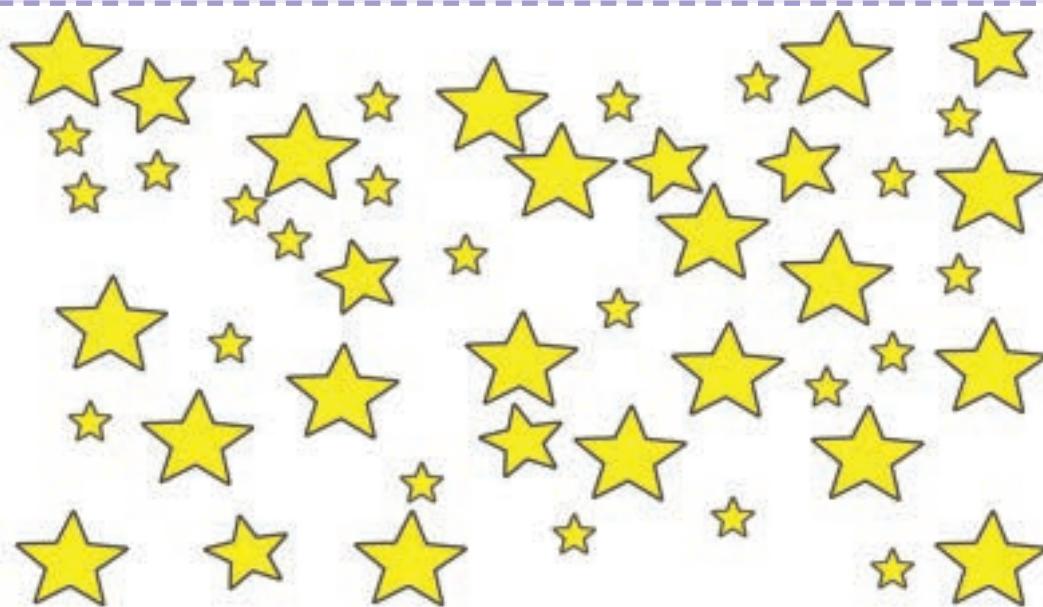
.....

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.

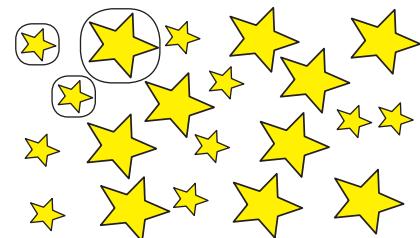
Igama				
Uqikelelo				
Inani elibaliweyo				
Umahluko phakathi koqikelelo lwakho kunye nenani elibaliweyo				



Iindlela zokubala. Sincedise sibhale phantsi.



Ndibale
ngoononye



1, 2, 3, _____



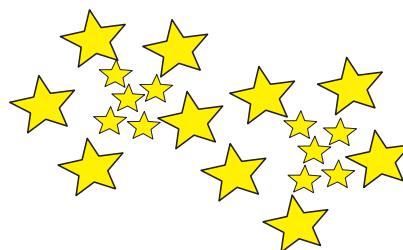
Ndibale
ngezibini.



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 indlela
alandelelana ngayo amanani xa
udibanisa nokuba ngawaphi na
amanani amabini.

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



Teacher: Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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

2



Umhla:

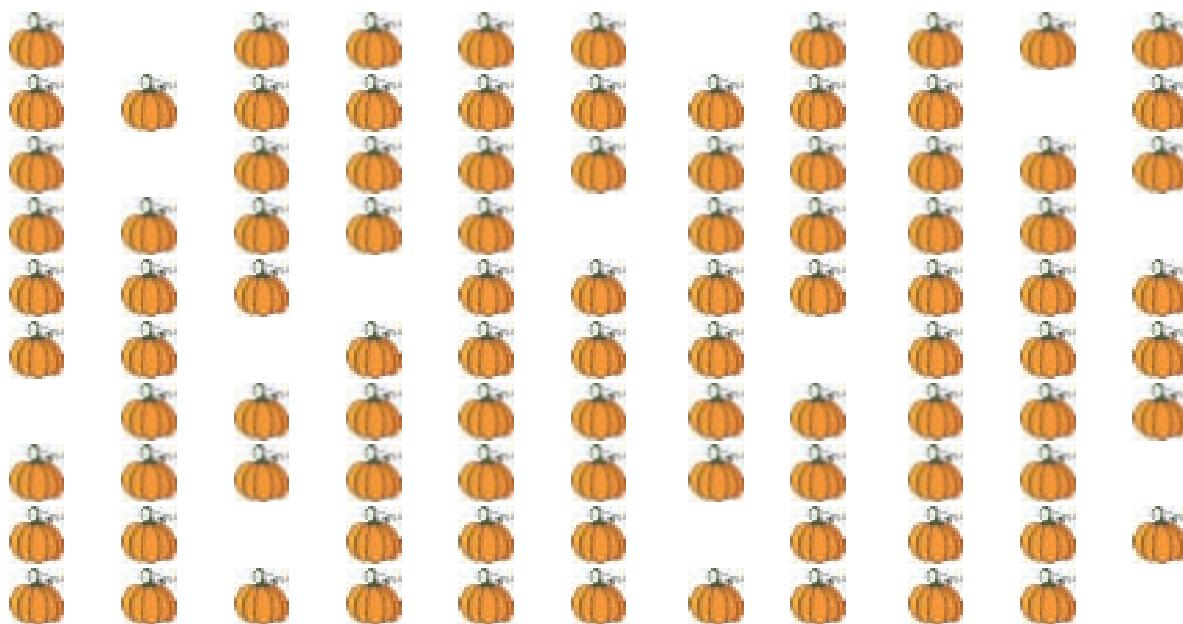
Ikota yoku-1



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)

Gqibeza izivakalisi - manani.

Umzekelo:

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



a. $|O + |O + |O =$

$$\text{amaqela ama-} \underline{\hspace{1cm}} \text{ ama-10} = \underline{\hspace{1cm}} \Rightarrow \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$



b. $10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 =$

amagela ama- _____ ama-IO = _____ \Rightarrow _____ \times _____ = _____



Tzandla nemipwe



Zinqaphi izandla? _____

Minqaphi iminwe? _____

Bhala impendulo yakho nqeendlela ezi -2.

amaqela ama- ____ ama-IO = ____ okanye ____ × IO = ____



3a

Umhla:



Ikota yoku-

Amanani akwibhodi yamakhulu

Amanani athethayo

Bala uxele amanani onke ukusukela ku-lukuya 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?

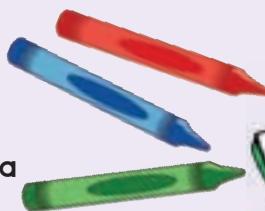


Bhala la manani ngamagama.

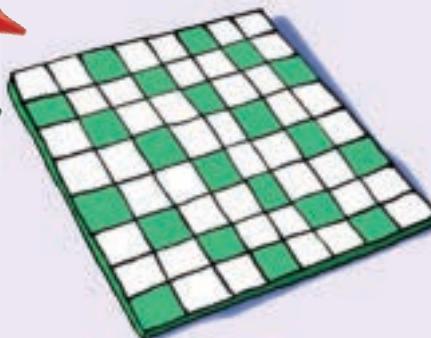
90	amashumi alithoba	41	
77		56	
14		65	



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:

11 I2 I3 I4 I5 I6 I7 I8 I9 20

3b

Umhla:

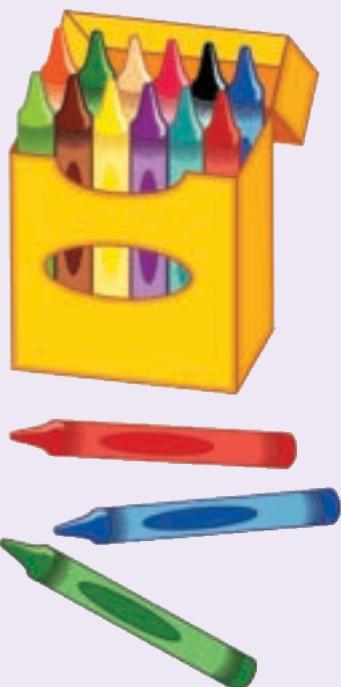
Ikota yoku - I



Amanani akwibhodi yamakhulu (asaqhutywa)

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



4



Umhla:

Ikota yoku-l



Bonisa amanani akho

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

1q

43

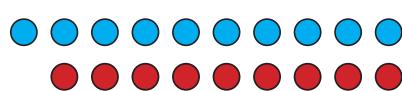
6q

54

35

1 0
q

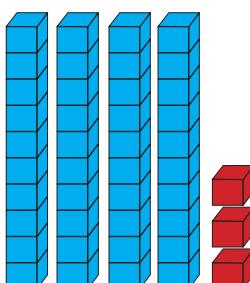
1q



1 0
q

$$10 + q = 1q$$

43



1 0
1 0
1 0
1 0
3

$$40 + 3 = 43$$

Zenzele ngokwakho kula manani usebenzise umsiko woku-l.

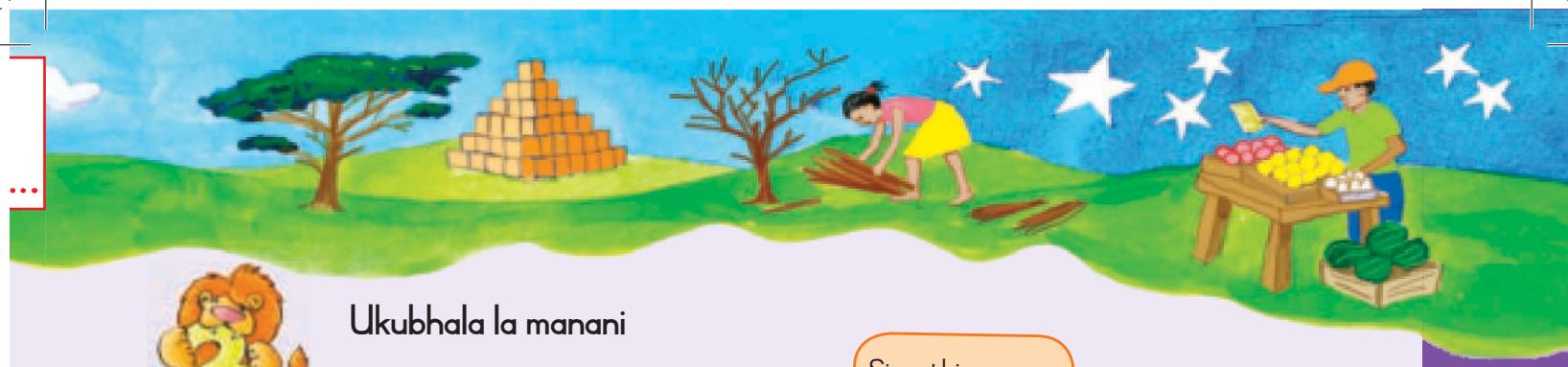
54

35

6q

10

1 2 3 4 5 6 7 8 9 10



Ukubhala la manani

Sikwenzele eyokuqala.

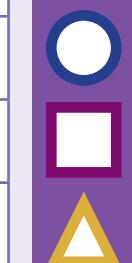
Singathi oononye
abali - q

Iq	IO + 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.

_____ ; _____ ; _____ ; _____ ; _____

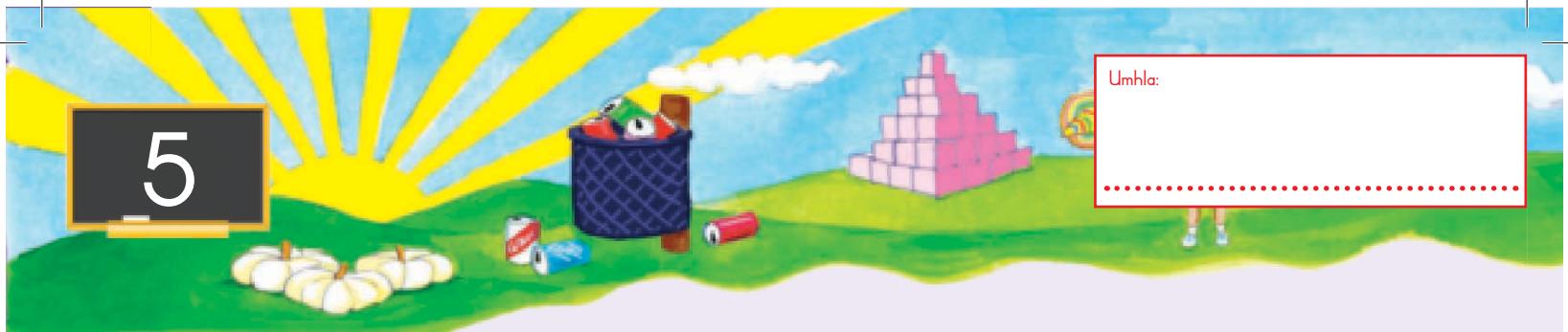


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Date:

11 12 13 14 15 16 17 18 19 20

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5



Umhla:

Ukudibanisa nokuthabatha



uLebo mde

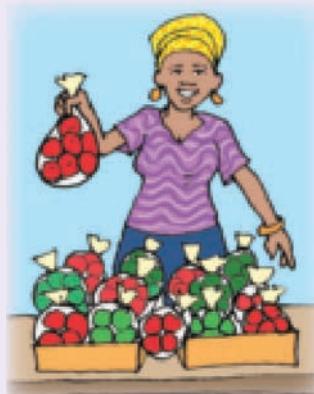
uLebo uneepakethe zama-apile ezili-19 ekuseni.

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 iimpendulo.

$$1 + 2 = 3$$

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

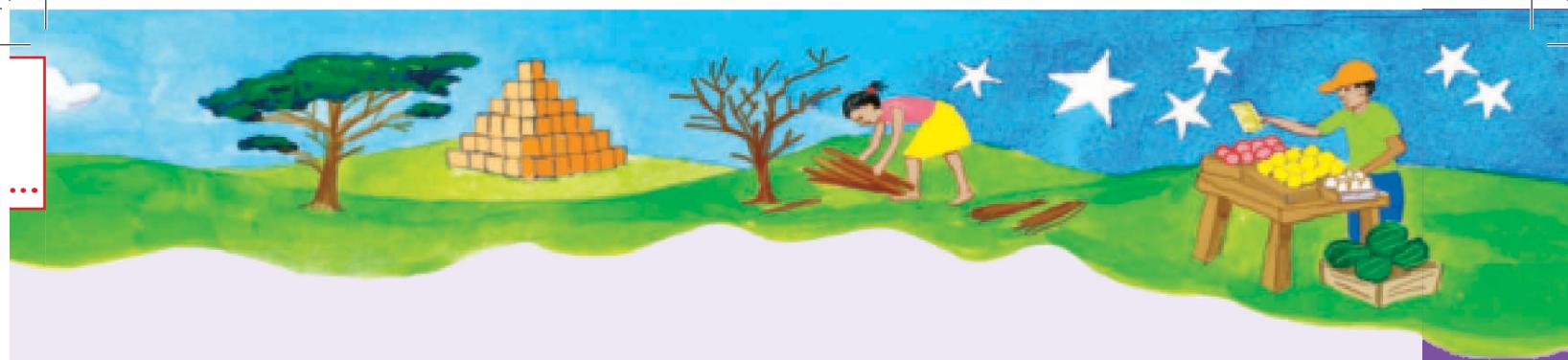
Nantsi imizekelo yolu sapho lwamanani.

$$9 + 5 = 14$$

$$5 + 9 = 14$$

$$14 - 9 = 5$$

$$14 - 5 = 9$$



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

Amanani aphindaphindwe kabini neziqingatha

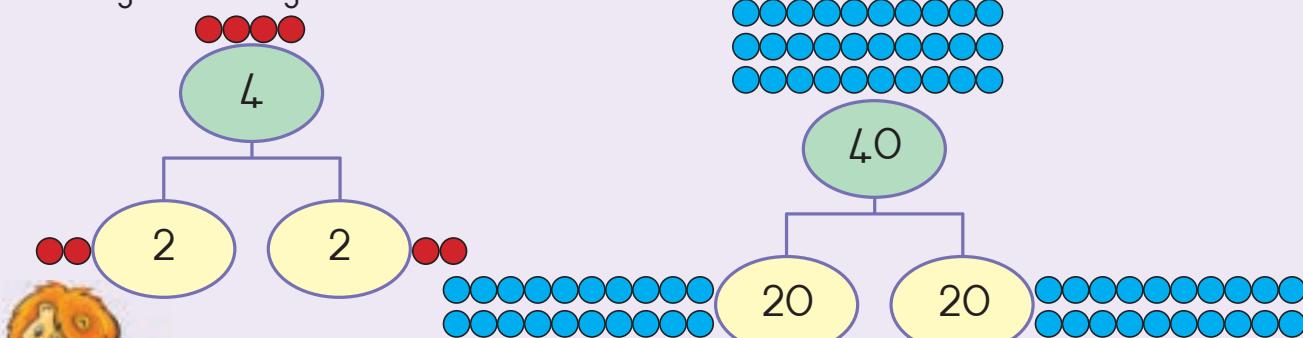
Umhla:

Usakhumbula?

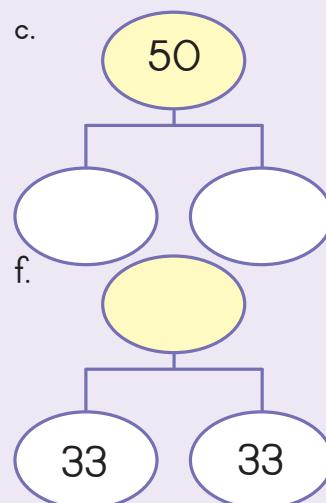
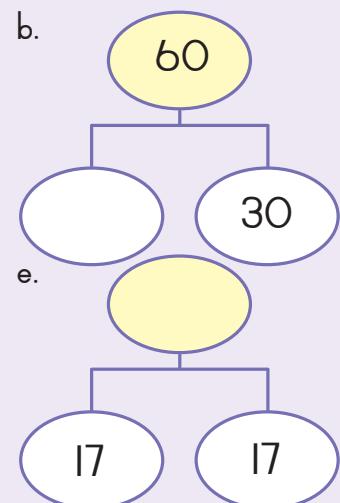
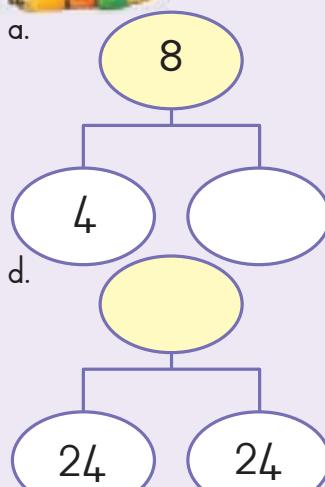
u-2 sisiqingatha sika-4
u-4 ngu-2 ophindwe kabini

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.

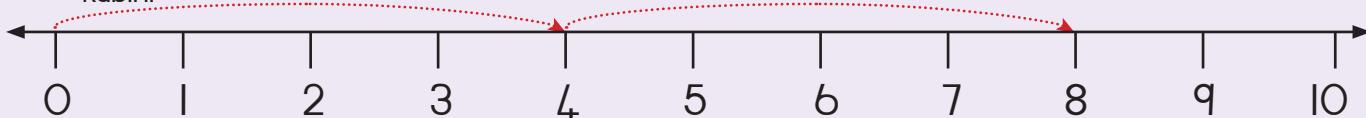


Phinda inani kabini usebenzise umgca manani.
Sikwenzele umzekelo wokuqala.

a. Phinda isi-4 kabini

+

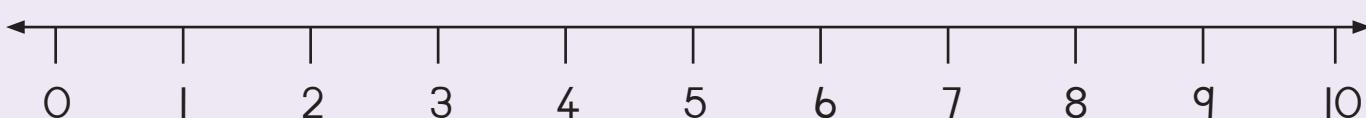
$$= \boxed{8}$$



b. Phinda isi-5 kabini

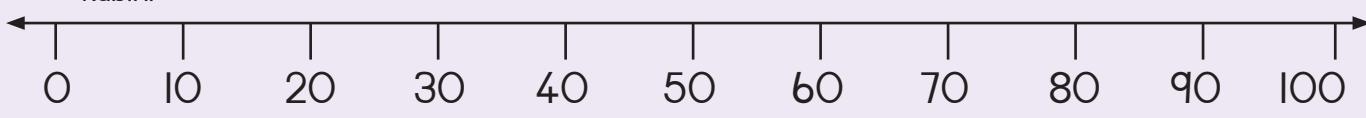
+

$$= \boxed{}$$



c. Phinda ama-20 kabini

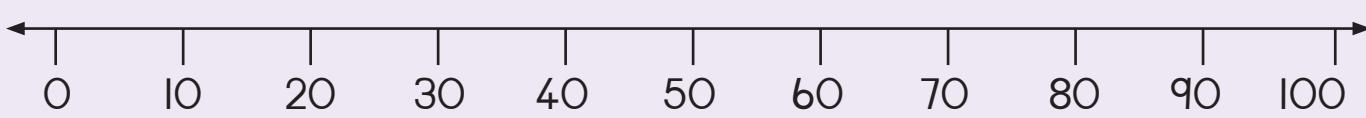
$$= \boxed{}$$



d. Phinda ama-40 kabini

+

$$= \boxed{}$$



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

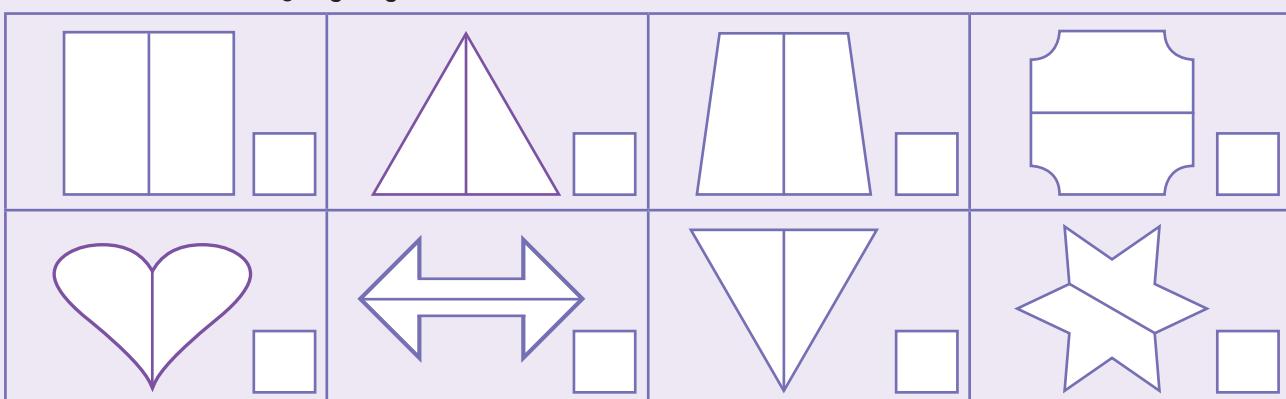
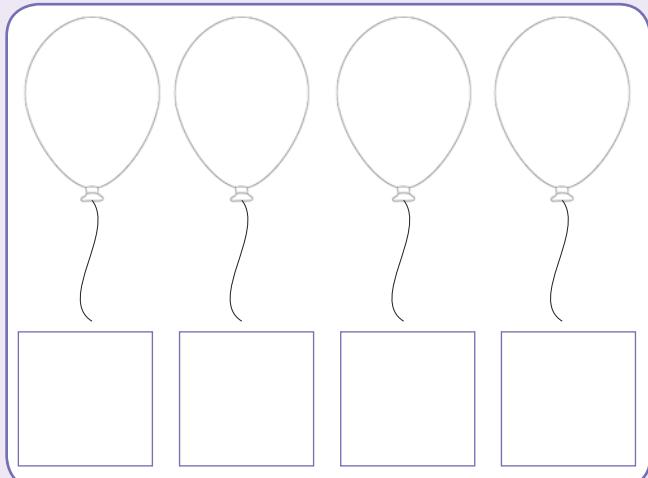
Fakela umbala obomvu kwikota
yeebhaliuni uze ufakele ozuba
kwezishiyekileyo.

Faka umbala obomvu kwisiqingatha
sebhokisi nganye.



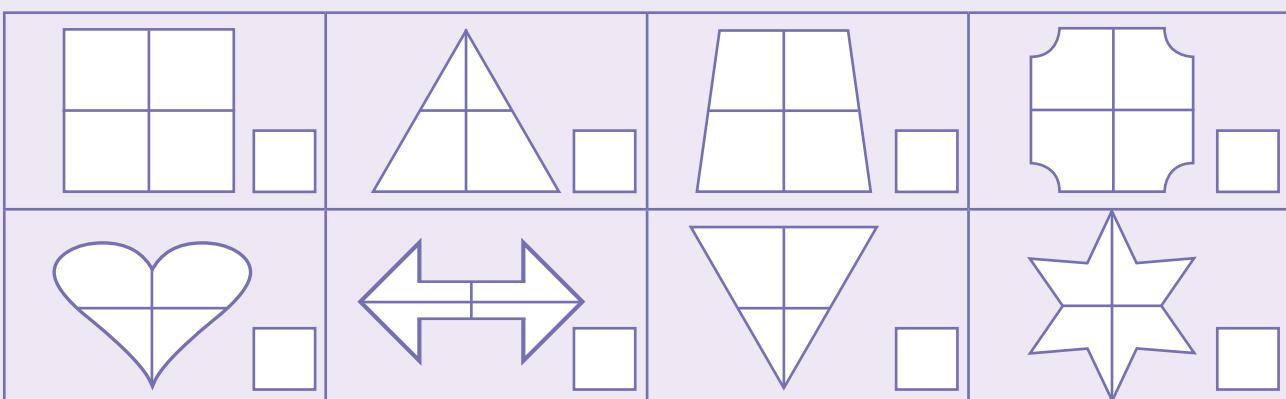
Jonga iimilo. Phawula (✓) iimilo
ezibonisa iziqingatha.

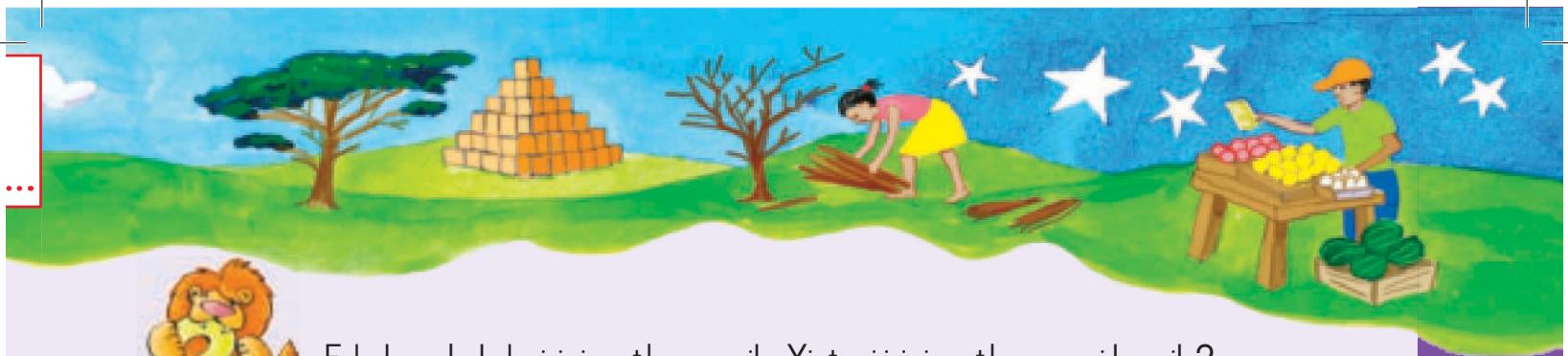
Fakela umbala kwisiqingatha
semilo nganye eyahlulwe kabini.



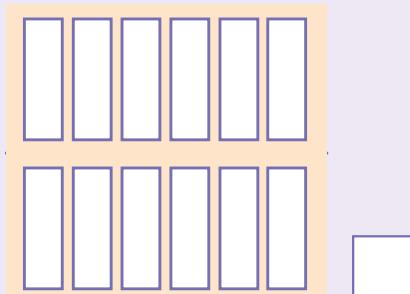
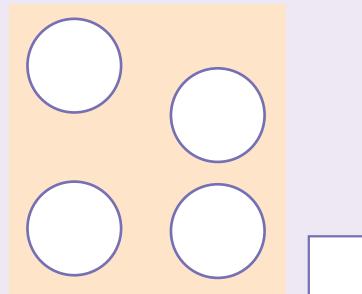
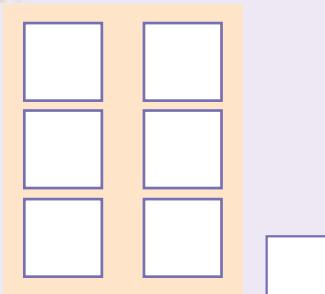
Jonga iimilo. Phawula (✓) iimilo ezibonisa iikota.

Fakela umbala kwikota yemilo nganye eyahlulwe yaziikota ezilinganayo.

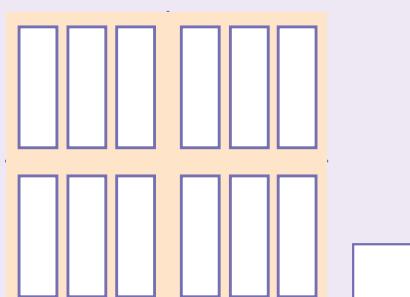
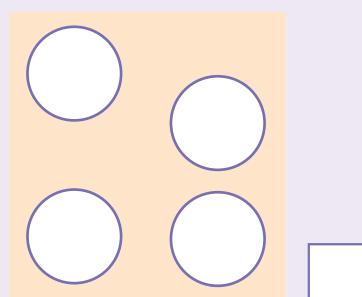
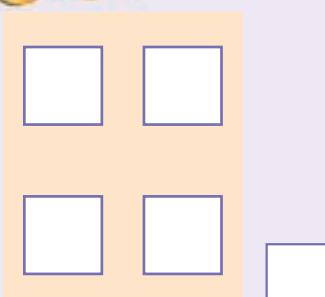




Fakela umbala kwisiqingatha seemilo. Yintoni isiqliqathaa senani leemilo?



Fakela umbala kwikota yeemilo. Yintoni ikota yenani leemilo?

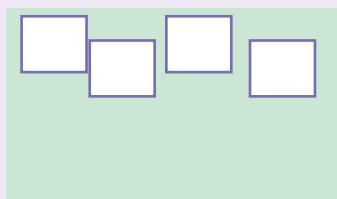
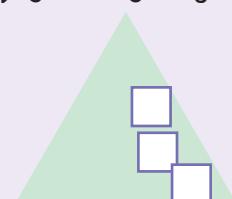
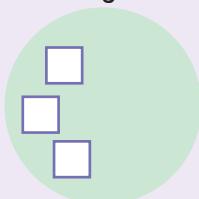


Bhala ngokophawu lweqhezu. iziqliqathaa

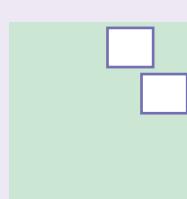
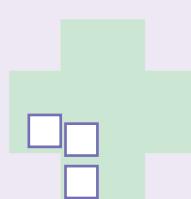
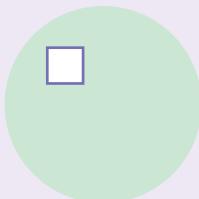
iikota

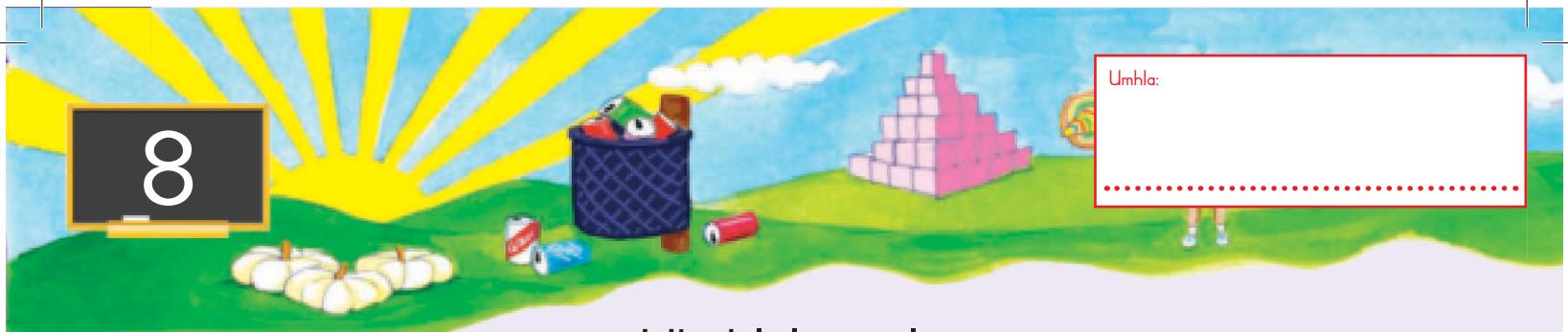


Zoba ezinye iimilo wenze isiqliqathaa ngasinye silingane.



Zoba ezinye iimilo wenze ikota nganye ilingane.





Umhla:

**Umgalelo**

UMaLubisi ubala aze ahlele imali ayifumene kwigela.



Qikelela imali edityanisiweyo. R _____

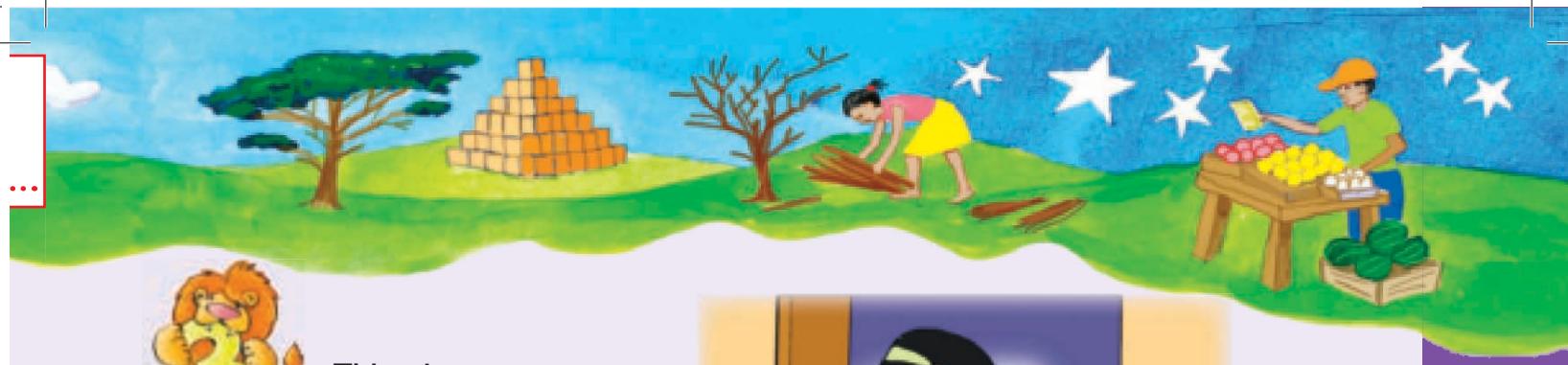
Bala imali. R _____

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 _____



Teacher:
Sign:
Date:



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	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
I0I	I02	I03	I04	I05	I06	I07	I08	I09	I10
I1I	I12	I13	I14	I15	I16	I17	I18	I19	I20
I2I	I22	I23	I24	I25	I26	I27	I28	I29	I30
I3I	I32	I33	I34	I35	I36	I37	I38	I39	I40
I4I	I42	I43	I44	I45	I46	I47	I48	I49	I50
I5I	I52	I53	I54	I55	I56	I57	I58	I59	I60
I6I	I62	I63	I64	I65	I66	I67	I68	I69	I70
I7I	I72	I73	I74	I75	I76	I77	I78	I79	I80
I8I	I82	I83	I84	I85	I86	I87	I88	I89	I90
I9I	I92	I93	I94	I95	I96	I97	I98	I99	200



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

I05, I10, I15, _____	87, 90, 93, _____
36, 40, 44, _____	I84, I86, I88, _____
70, 65, 60, _____	I38, I35, I32, _____
I80, I76, I72, _____	I4, I2, I0, _____



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.

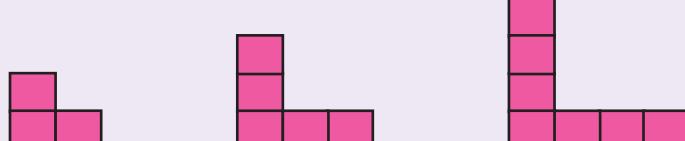
									10



Yandisa ipatheni.









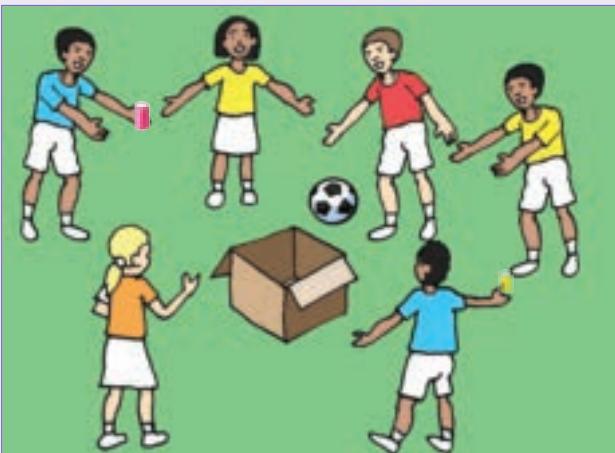
Teacher:
Sign:
Date:

10

Umhla:

Ikota yoku - I

Iibhola, iibhokisi kanye neesilinda



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



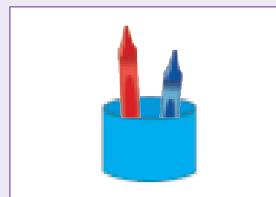
Fakela umbala kwimpendulo echanekileyo.



Ibhokisi

iyatyibilika

iyaqengqeleka



Isilinda

iyatyibilika

iyaqengqeleka



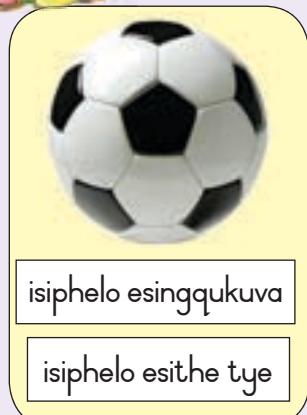
Ibhola

iyatyibilika

iyaqengqeleka



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 kwebbhokisi?



ingasemva

ingaphambili

isecaleeni

ingaphezulu



ingasemva

ingaphambili

isecaleeni

ingaphezulu



ingasemva

ingaphambili

isecaleeni

ingaphezulu



ingasemva

ingaphambili

isecaleeni

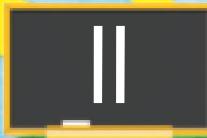
ingaphezulu



Teacher:

Sign:

Date:



Umhla:

.....

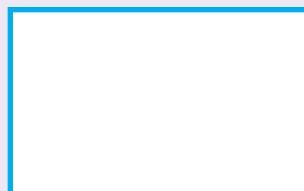
Ikota yoku - I



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

Zoba iimilo

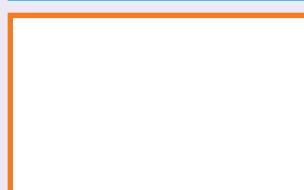
Unxantathu



Isangqa



Isikwere

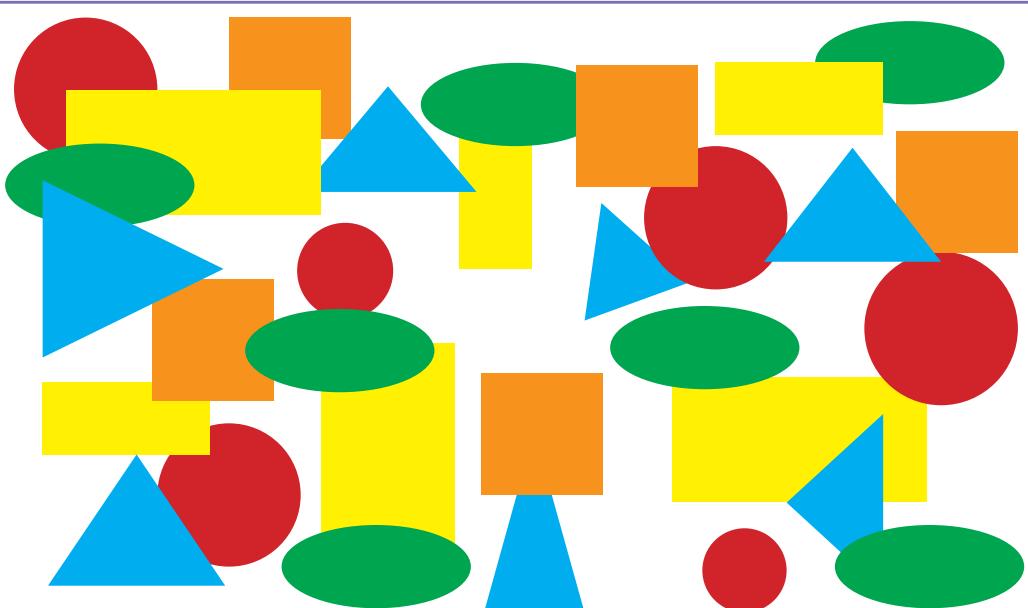
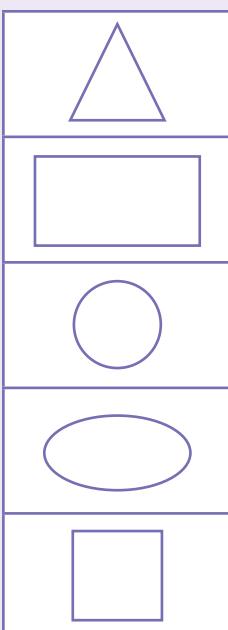


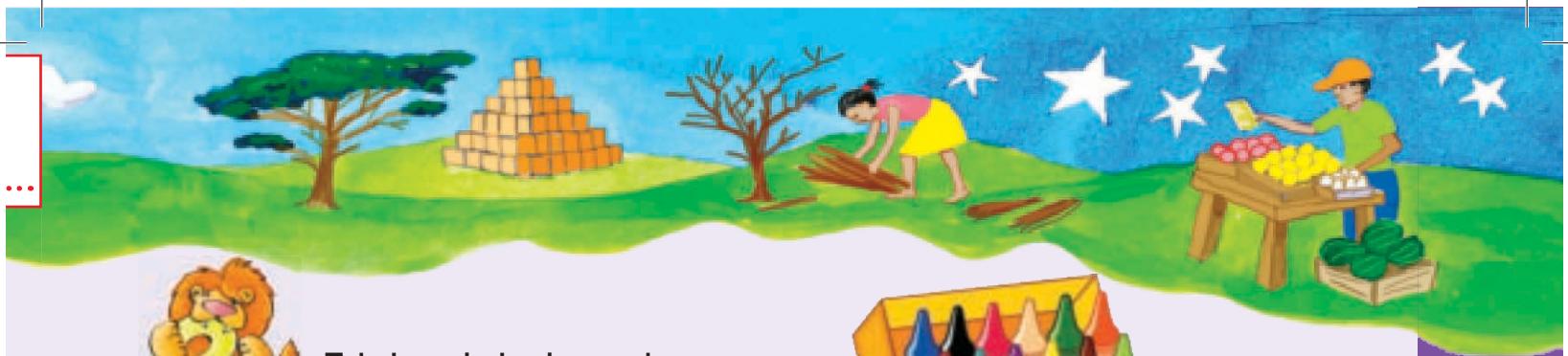
uxande



Bala iimilo

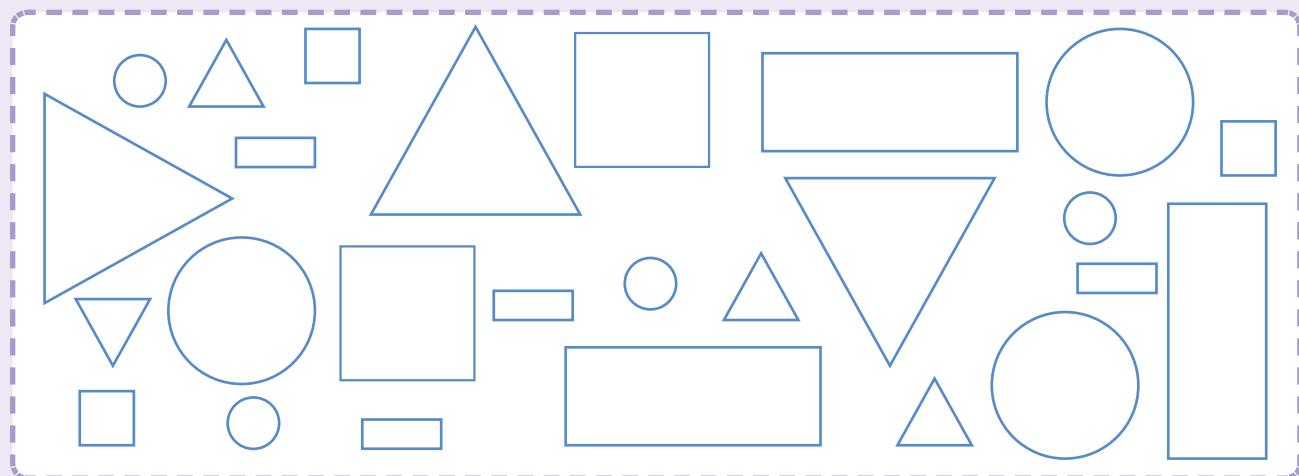
Bala ukuba ufumana iimilo ezingaphi ezifana nezi kulo mfnekiso.





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 -11

licalal 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:

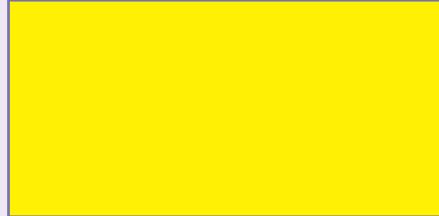
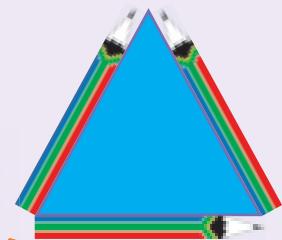
11 12 13 14 15 16 17 18 19 20

13

Umhla:

Ikota yoku-

Ukulinganisa ubude



Amacala alo
nxantathau
ewonke anobude
obuziipenisile ezi - 3.

Amacala ezi
zikwere ewonke
anobude
obuziipenisile ezi - 4.



Lude kangangeepenisile ezingaphi olu xande?



Lubanzi kangangeepenisile ezingaphi uxande?



ubude



ububanzi

Uzisebenzise njani iipenisile ekubaleni kwakho?

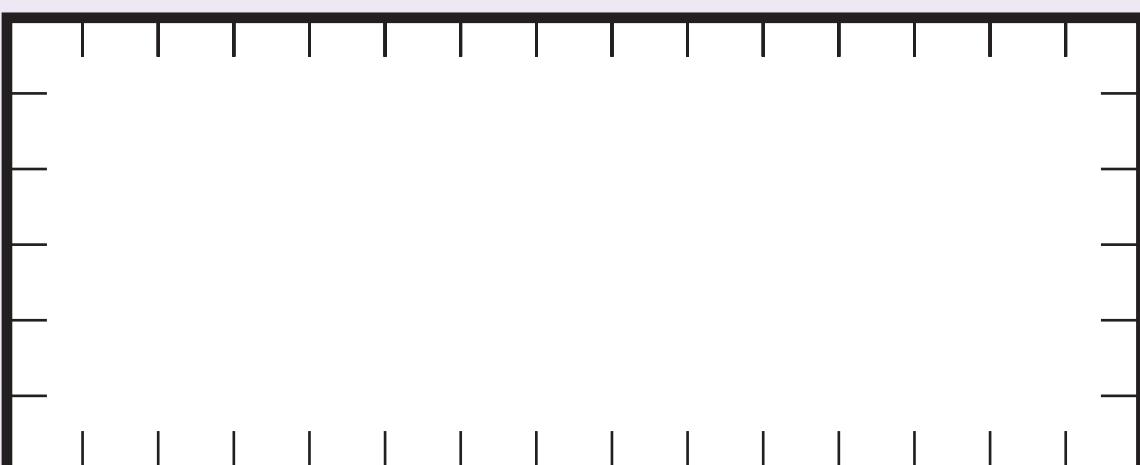


Ubude obuyimfihlo

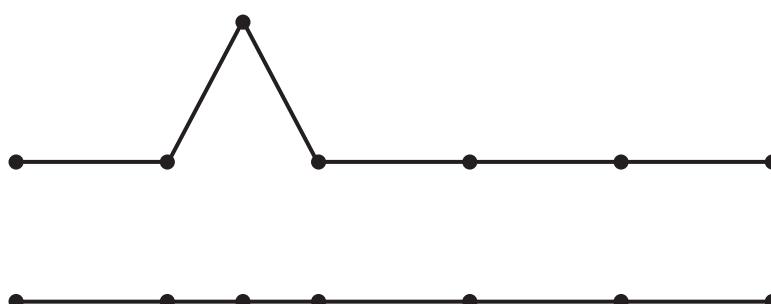
- a. Kufuneka ube nemigca **ebomvu** emingaphi ukuze ukwazi ukugquma umgca omnyama?



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



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



Impendulo _____

Kutheni? _____



Teacher: _____
Sign: _____
Date: _____



14



Umhla:



Umthamo

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

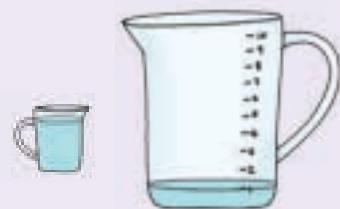
Ziikomityi ezingaphi zamanzi ezisafunekayo
ukuzalisa isikhongozelo?



Zingaphi iikomityi zamanzi ezikwiskhongozelo?

Zingaphi iikomityi ezisafunekayo ukuzalisa isikhongozelo?

a.



Kwisikhongozelo:

Kufuneka:

b.



Kwisikhongozelo:

Kufuneka:

c.



d.

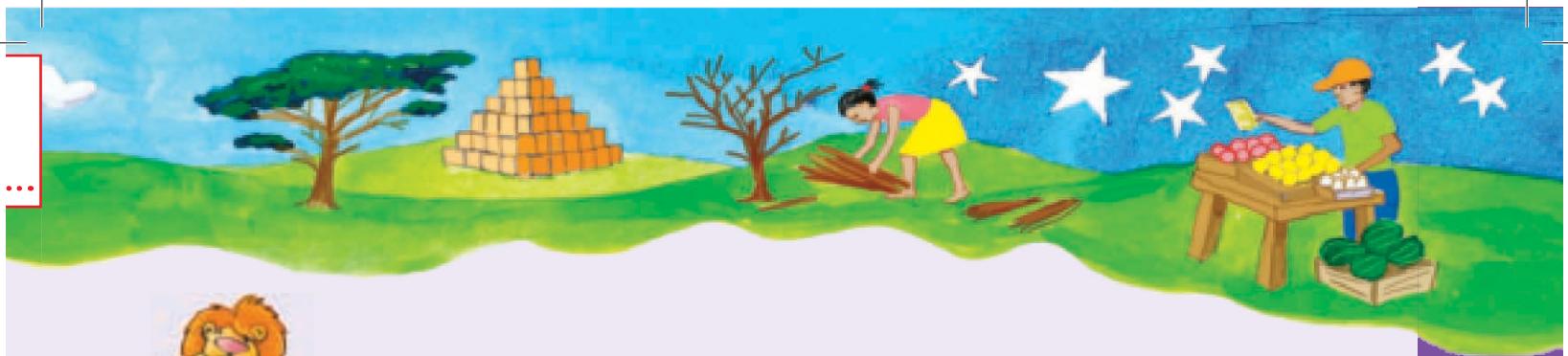


e.



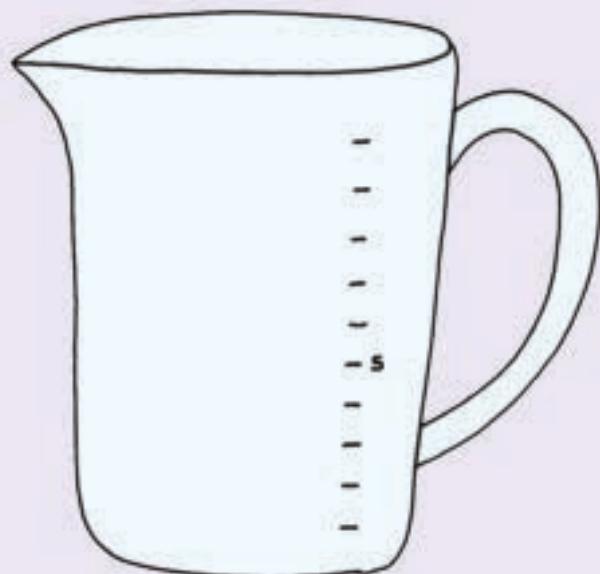
f.





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:

- 4 _____
- 6 _____
- 8 _____
- 10 _____



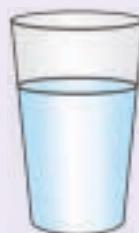
Phawula izikhongozelo ocinga ukuba zingathatha ulwelo olulingana ilitha e -I.













Teacher:
Sign:

Date:

15

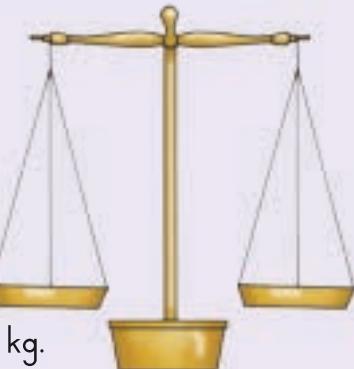
Umhla:

Ikota yoku-



Masinganise ubunzima bethu!

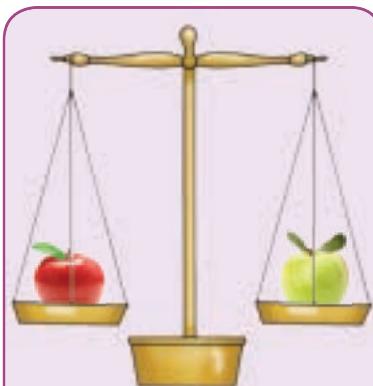
Ukuze sifumane ubunzima bethu, ukuba sisinda okanye sikhaphu-khaphu kangakanani sisebenzisa isikali.



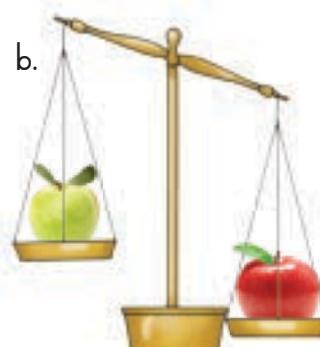
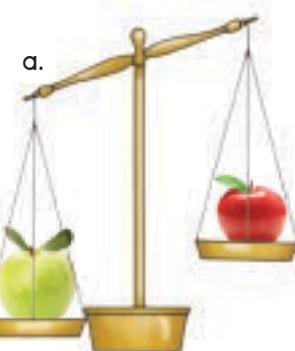
Ubunzima sibulinganisa **ngeekhilogramu**. Sisebenzisa esi sifinyezo: kg.
Ngubani oyena unzima kakhulu?



Sisebenzisa isikali ukuze sikwazi ukulinganisa ubunzima.



Ama-apile akwesi sikali anobunzima obulinganayo.



Phendula umbuzo, ubhale a okanye b.

Kukwesiphi isikali apho iapile eliluhlaza linzima kuneapile elibomvu?

Kukwesiphi isikali apho iapile eliluhlaza likhaphukhaphu kuneapile elibomvu?



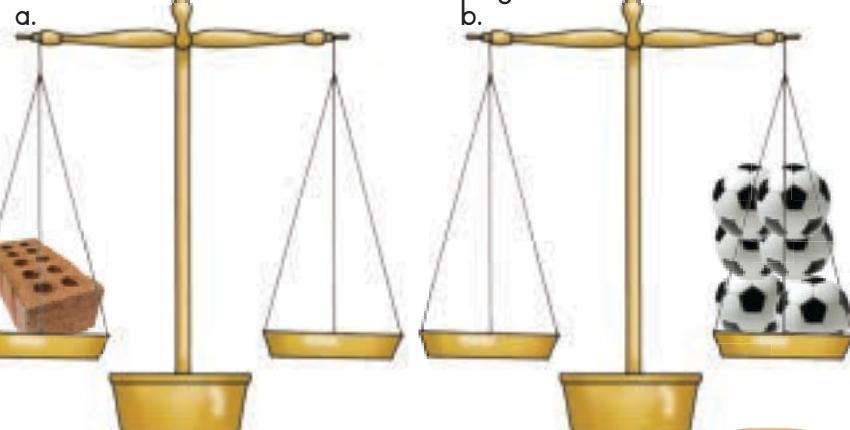
Linganisa izikali.

Sikwenzele eyokuqala.



Izitena ezibini zinobunzima obulingana nobeebhola ezine.

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 _____?

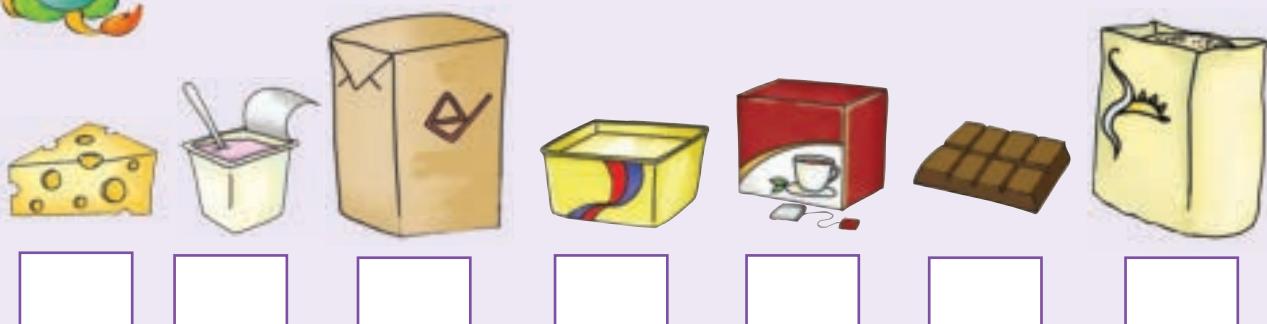
- Iipasile ezi - 2 _____ kg
- Iipasile ezi - 3 _____ kg
- Ndingakwazi na ukulinganisa iipasile ezi - 4 ngaxeshanye kwesi sikali sasekhitshini? _____



Ngoba kutheni? _____



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 wegrafo.



= umfundi omnye

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



Phendula ngoku le mibuzo.

- Uninzi lwabafundi lunxiba usayizi _____ wezihlangu.
- Elona limbalwa inani linxiba usayizi _____.
- Ba _____ abantwana abathatthe inxaxheba kubalo.



Wena?

Fumanisa ukuba ninxiba eziphi iisayizi zezihlangu wena nabahlolo bakho!

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



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

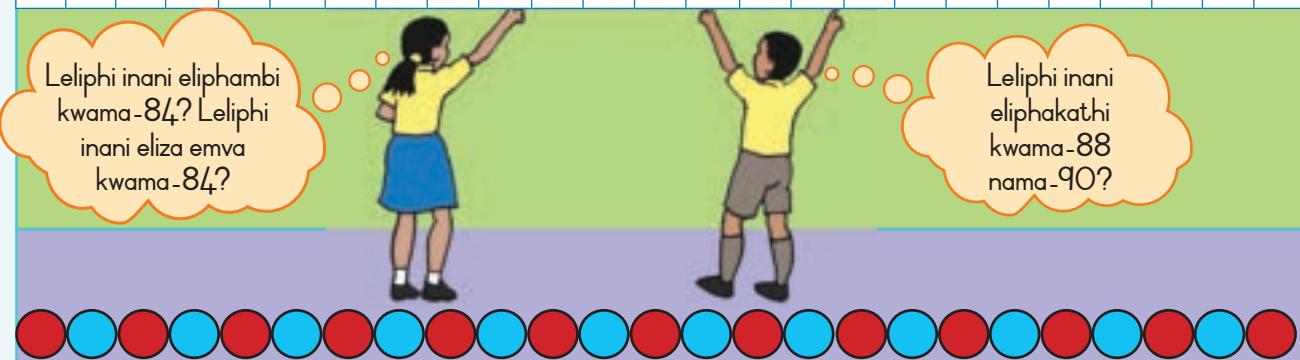
17



Umhla:

Thelekisa uze ulandelelanise 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



Fakela amanani angekhoyo.

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 aphkathi 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:

$$32 \quad < \quad 64 \quad \quad 23 \quad > \quad 18$$

$$57 \quad \square \quad 98 \quad \quad 89 \quad \square \quad 57$$



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



Teacher:
Sign:

Date:

11 12 13 14 15 16 17 18 19 20

18

Umhla:

Ikota yoku-l



Ixabiso lendawo ukuya kuma-qq

Ukubonisa amanani usebenzisa izinto

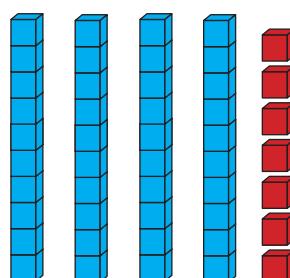
Siyakwazi ukubonisa amanani ngeebloko zamaxabiso eendawo.

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	Amashumi	Imivo
3	1				

31
amashumi amathathu ananye



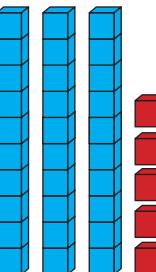
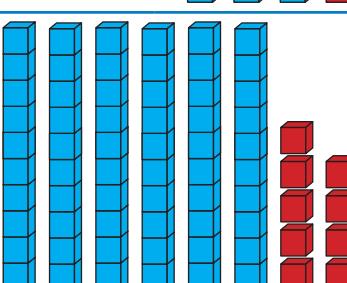
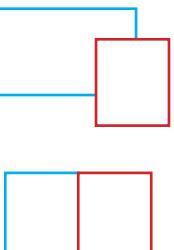
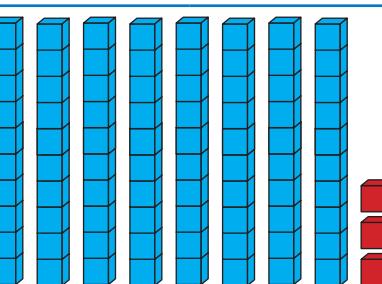
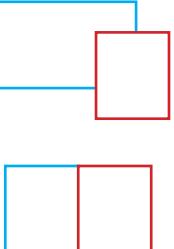
2 0 6 2 6

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

19

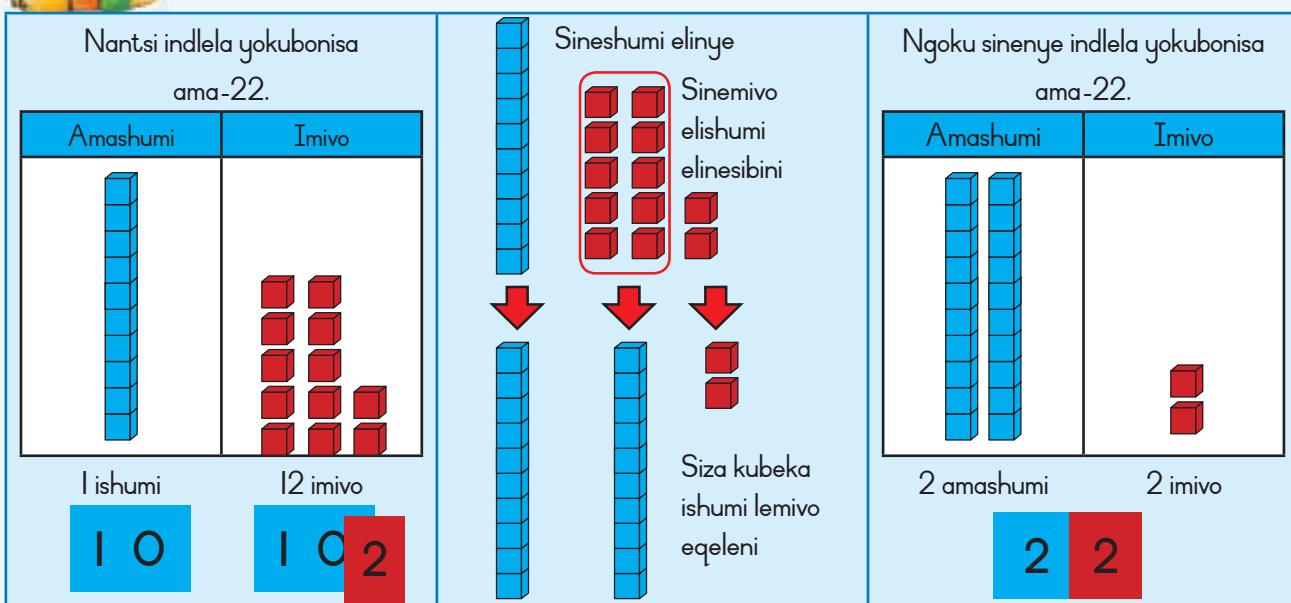
Umhla:

Ikota yoku-l



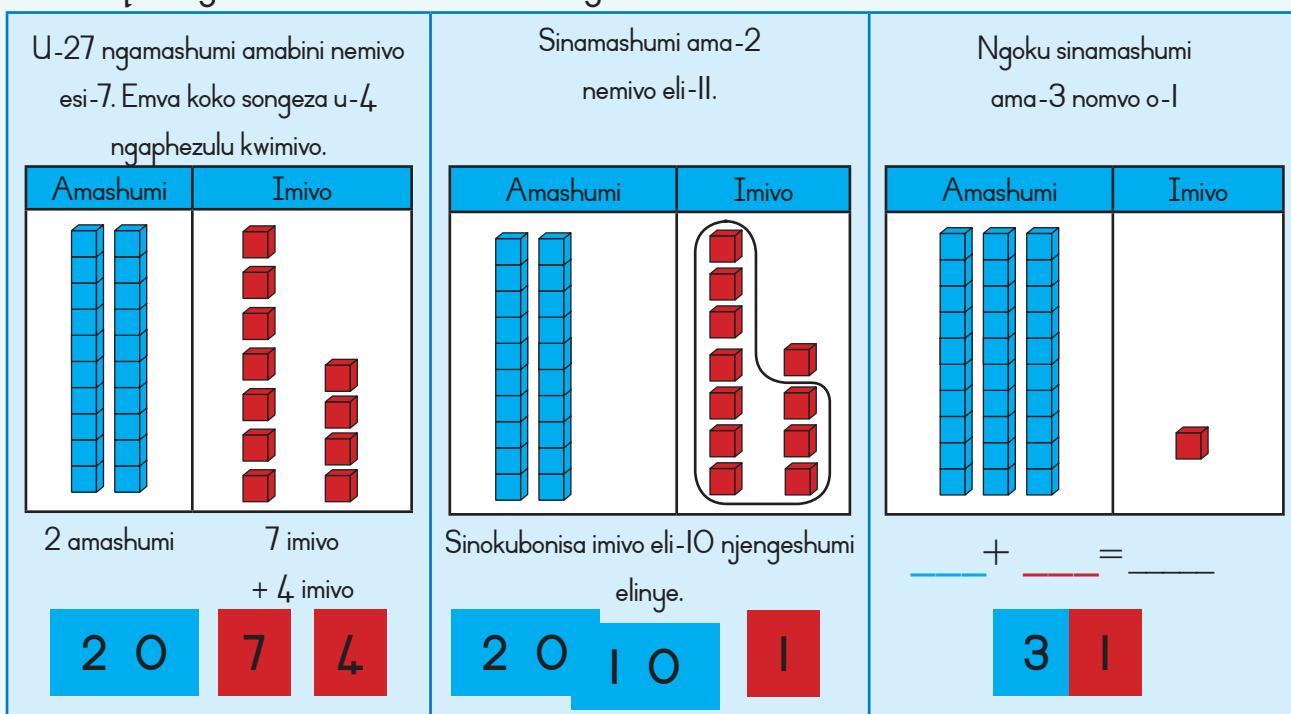
Funda

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"/>					
		<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!

Kwiskolo sethu umfundi ngamnye unedesika yakhe.

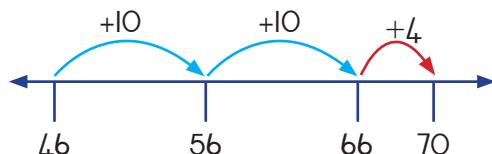
Kukho abafundi abangama-46 kwiBanga 3A nama-24

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 hlolo: Kuqala ndongeza i-10. Oku kundifikisa 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.

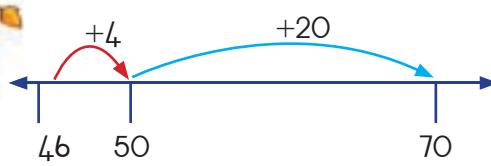


a. $32 + 25 =$



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:

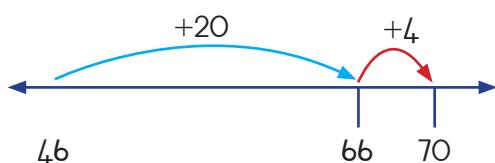
20b

Ikota yoku -I

b. $57 + 19 = \square$

Bala usebenzise umgca-manani
(kusaqhutywa)

Umhla:



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. $65 + 29 = \square$

↔



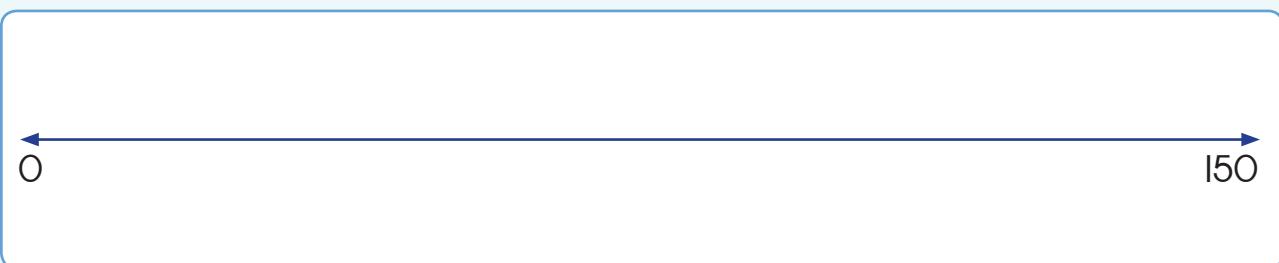
Zingaphi iilofu?

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.

- 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:

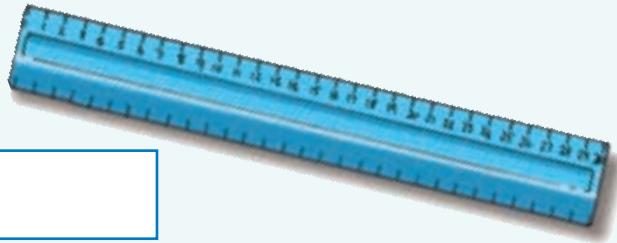
Ikota yoku-l

Thabatha kumgca-manani

Umfundi omnye! Irula enye!

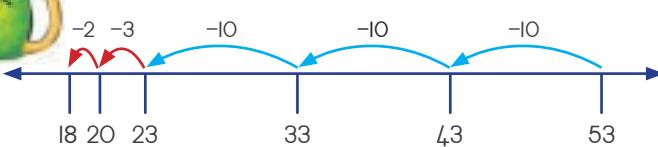
Iklasi ifuna iirula ezingama-53. Kukho ezingama-35.

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**.

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

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

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

$$= 23 - 3 - 2$$

$$= 20 - 2$$

$$= 18$$



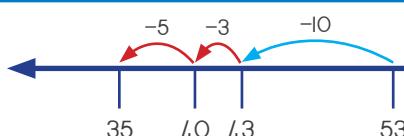
a. $68 - 24 =$



b. $74 - 38 =$



c. $92 - 87 =$



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. $38 - 14 =$



2lb

Umhla:

Ikota yoku-l

b. $65 - 43 =$

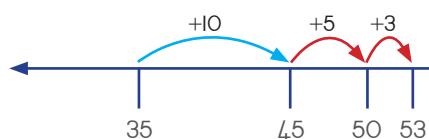
Thabatha kumgca-manani (kusaqhutywa)



c. $72 - 39 =$



d. $85 - 48 =$



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. $84 - 32 =$





b. $96 - 53 =$

← →

c. $78 - 19 =$

← →

d. $63 - 47 =$

← →



Uhambo ngetekisi

Ukuya edolophini ngetekisi ngama-65km.

Okwango itekisi ihambe ama-38km.

Kusafuneka ihambe kangakanani?

Sebenzisa umgca-manani ukusombulula le ngxaki.



← →

km





Lixesha lepati



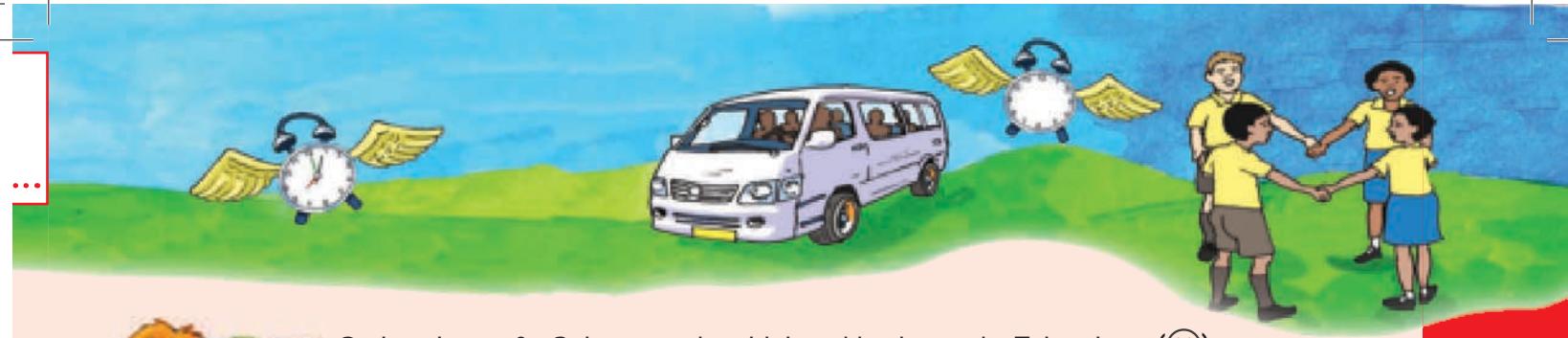
Isicwangciso sokuqala!

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.

😊			
😊			
😊			
😊			
😊			
😊			
😊			
😊			
😊			
😊			
😊			
😊			
😊			
😊			
			



Teacher:
Sign:
Date:

A horizontal ruler scale with markings every millimeter. The numbers 11 through 20 are displayed above the scale, with each number having a corresponding tick mark below it. The numbers are colored as follows: 11 (blue), 12 (green), 13 (light blue), 14 (purple), 15 (pink), 16 (light purple), 17 (light pink), 18 (red), 19 (blue), and 20 (green).

23

Umhla:

Ikota yoku-l

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

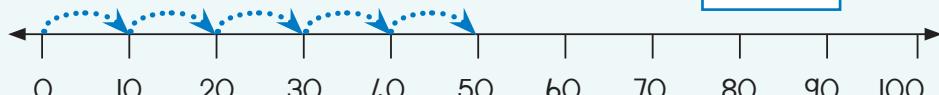


Mangaphi ama-apile esinokuwapakisha kwezi bhokisi?

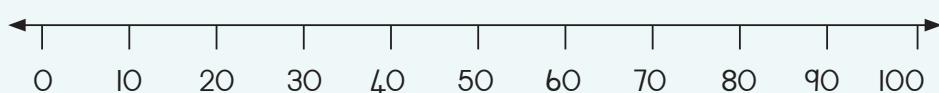


Bala kumgca-manani.

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?



$$10 + 10 + 10 + 10 + 10 = \boxed{5 0} \quad 5 \times 10 = \boxed{\quad}$$

okanye $10 \times 5 =$

Bala nezi kwangolo hlobo.

Izibini ezi-4 zeenyawo. Zingaphi iinzwane?

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

Izibini ezi-9 zeenyawo. Zingaphi iinzwane?

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



Masibale ngama-10

10, 20, 30, 40, 50, _____, _____, _____, _____, _____,

_____, _____, _____, _____, _____, _____, _____, _____, 200



11 12 13 14 15 16 17 18 19 20

24

Umhla:

Ikota yoku-1



Zingaphi iintlanzi? Qikelela



Bala ke ngoku iintlanzi. Nika inani lazo zonke.



Bala ngezi-5

Fumana inani elipheleleyo lamaqanda entlanzi.

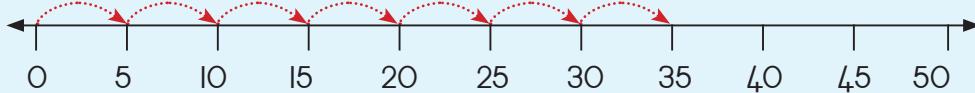
Bhala isivakalisi samanani soku-+ noku- \times . Sikwenzele umzekelo wokuqala.

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	

1 2 3 4 5 6 7 8 9 10

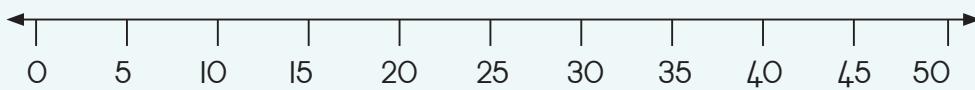


Gqibezela izivakalisi zamanani kunye nemigca-manani



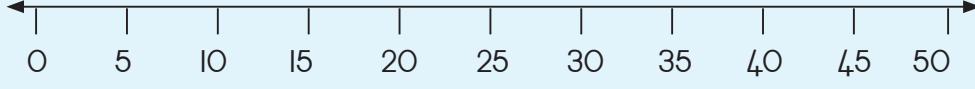
$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35} \quad \text{okanye } \boxed{7} \times \boxed{5} = \boxed{35}$$

a.



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

b.



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

c.



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



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.



Teacher:

Sign:

Date:

25a



Umhla:

Ikota yoku-l

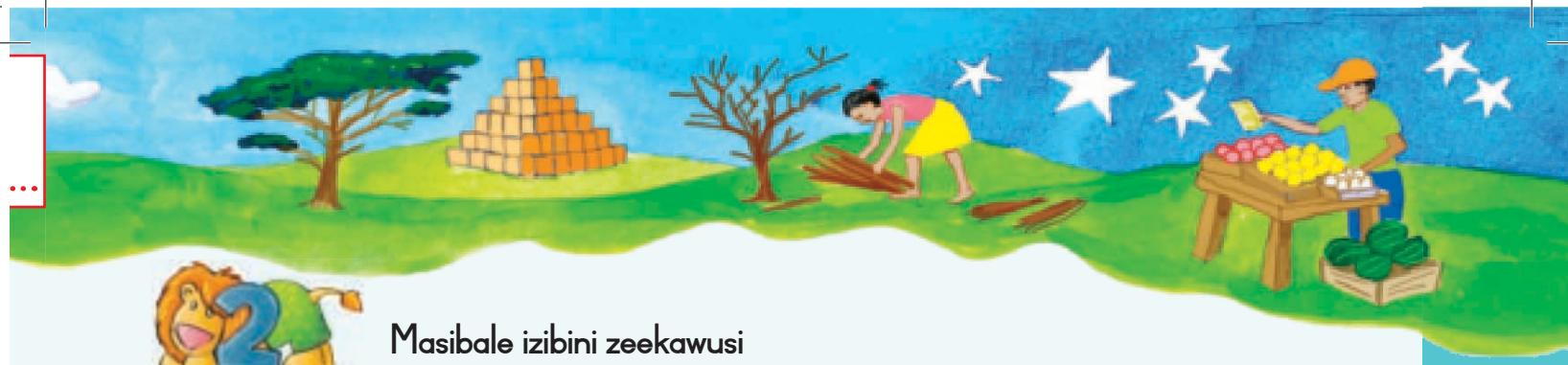


Bala iikawusi

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



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

25b



Ikota yoku-l



Bala ngezi-2 (zisaqhutywa)

Ukwakha izibini

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

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

2, 4, 6,

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

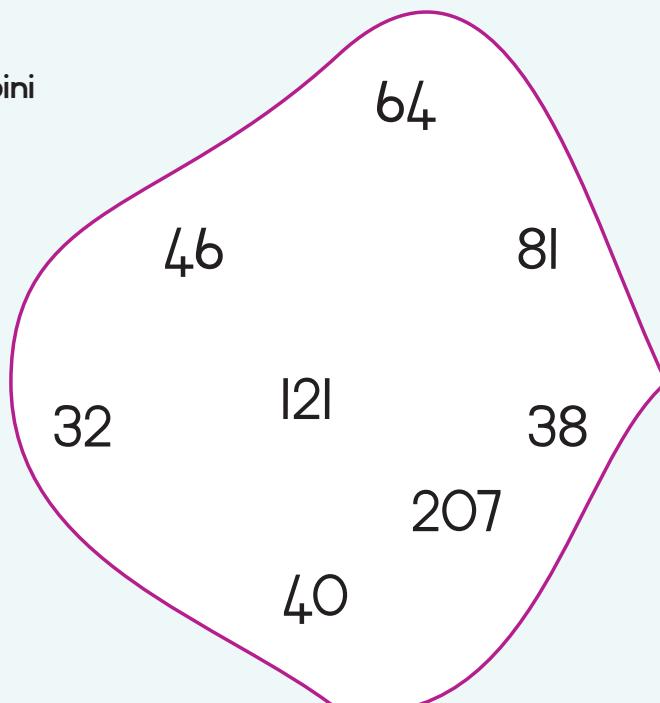
3, 5, 7,



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:

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



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



26



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.

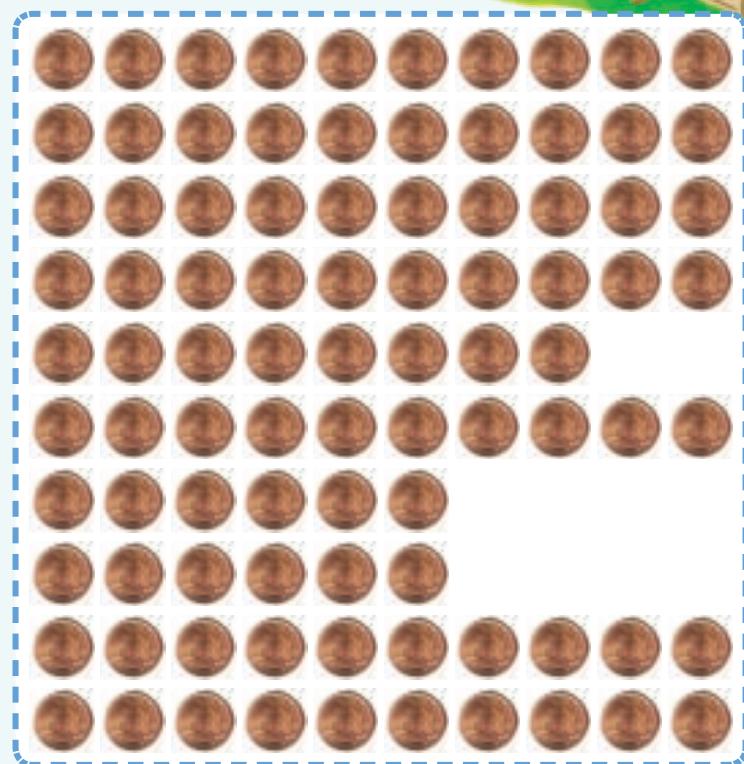
Zingaphi iisenti ezikhoyo?

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.

2



axabisa i-R2,00.

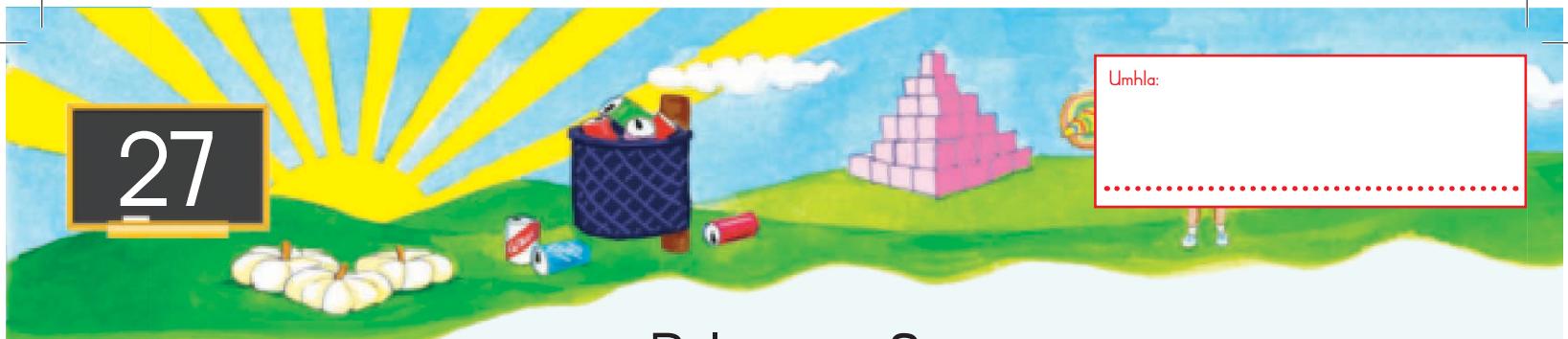
Zingaphi iibhana zama-R20,00?

Mangaphi ama-apile nge-R9,00?



11 12 13 14 15 16 17 18 19 20

27



Bala ngezi-3



Amavili abalwa ngezi-3



Itrayisekile enye inamavili ama _____.



Itrayisekile ezi-5 zinamavili ali _____.

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

Itrayisekile ezi-2 zinamavili ama _____.

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

Itrayisekile ezi-4 zinamavili ali _____.

Itrayisekile ezi-6 zinamavili ali _____.

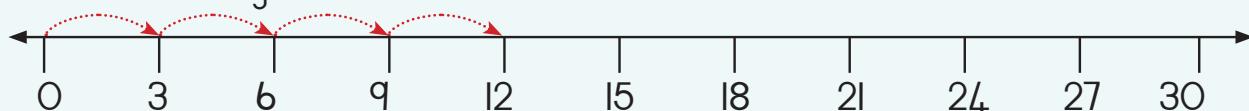
Itrayisekile ezili-9 zinamavili angama _____.

Itrayisekile ezisi-8 zinamavili angama _____.

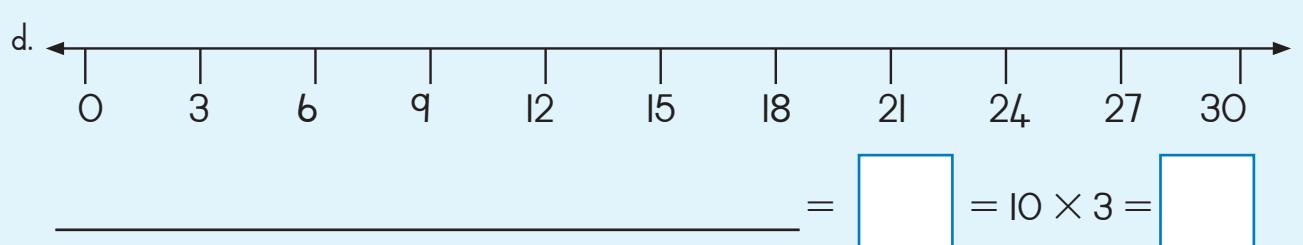
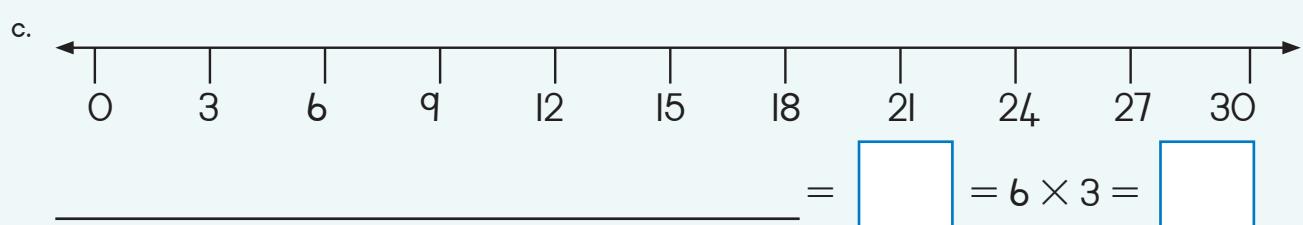
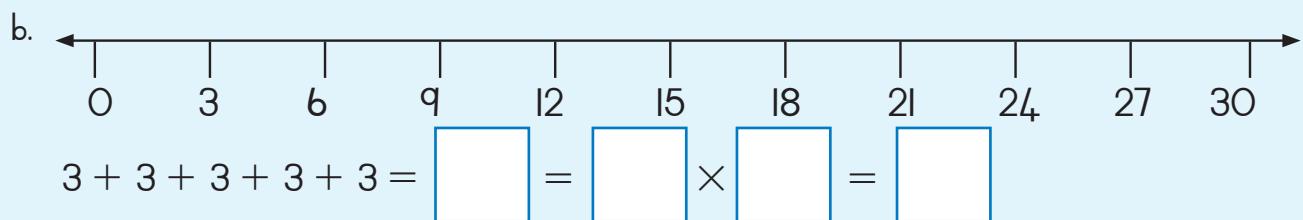


Imigca-manani

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:

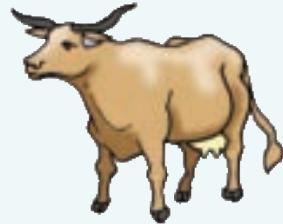
Ikota yoku-l



Imilenze emine

Iinkomo zinemilenze emine.

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



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



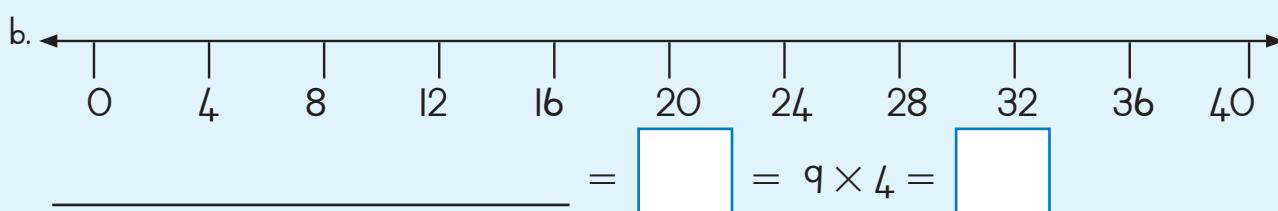
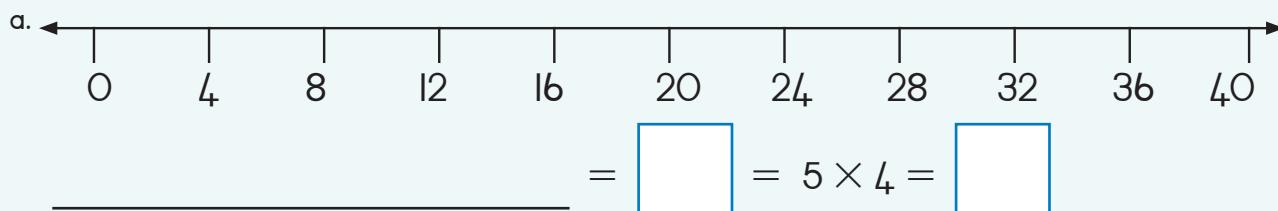
Gqibezela le theyibhile ingasezantsi.
Sebenzisa umzekelo owunikiwego ukuncede.

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.



Teacher: _____
Sign: _____
Date: _____

29



Tipatheni zamanani



Igridi yeeopatheni

Yeyiphi ipatheni yamanani eboniswa zizangqa kwigridi nqanye ye-100?

Zoba ezinye izanqqa uqqibezele ipatheni nqanye.

Thiya ipatheni nganye iqama.

a. Ipatheni: _____

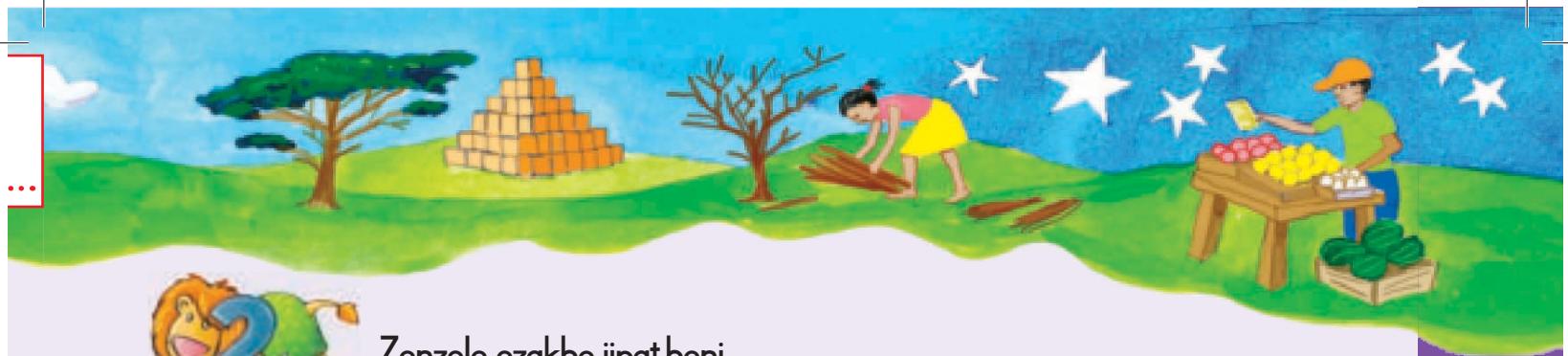
A 19x19 Go board with black stones at (1,1), (2,1), (3,1), (4,1), (5,1), (6,1), (7,1), (8,1), (9,1), (10,1), (11,1), (12,1), (13,1), (14,1), (15,1), (16,1), (17,1), (18,1), (19,1) and (1,19), (1,18), (1,17), (1,16), (1,15), (1,14), (1,13), (1,12), (1,11), (1,10), (1,9), (1,8), (1,7), (1,6), (1,5), (1,4), (1,3), (1,2), (1,1).

b. Ipatheni: _____

c. Ipatheni:

A Go board diagram showing a 13x13 grid with 19 stones placed on it. The stones are arranged in a pattern where each row has 3 stones and each column has 5 stones. The stones are placed at intersections (i,j) where i+j is odd. The stones are white on a black background.

d. Ipatheni:

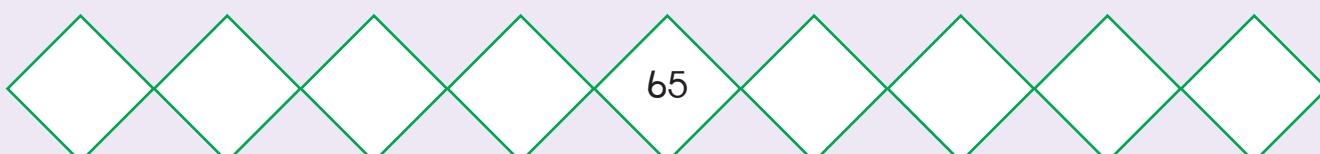


Zenzele ezakho iipatheni

- 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? _____.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

30a

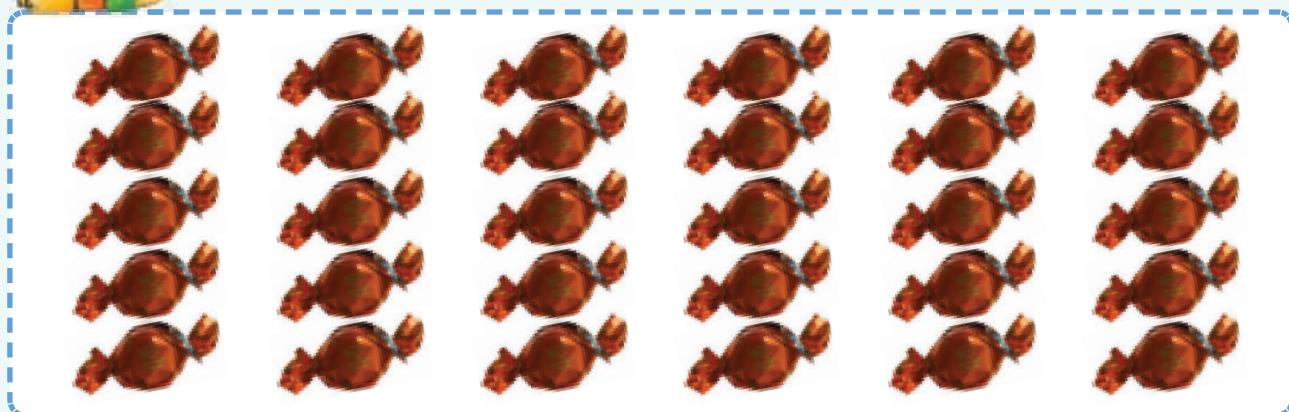
Umhla:

Ikota yoku-l

Ukwahlula



Yaba iilekese:



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



Oku singakubhala ngolu hlobo:

$$30 \div 2 = 15$$

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



$$\div =$$

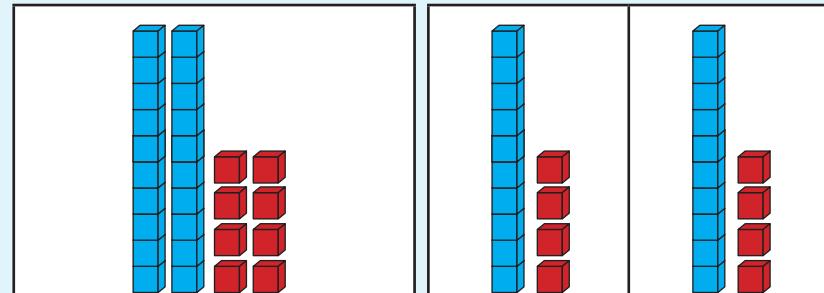
- c. Yahlulela abantwana aba-5 iilekese



$$\div =$$



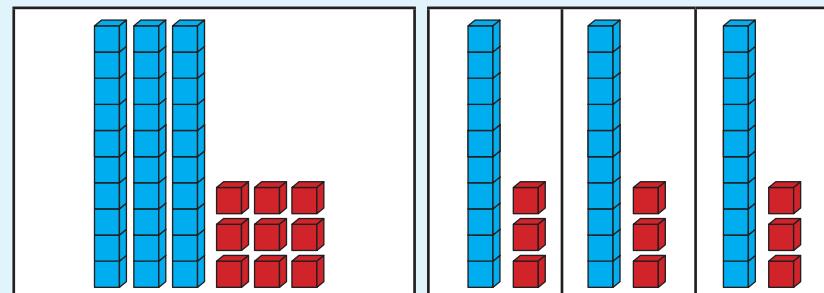
Singasebenzisa iibloko zamanani ukuze sikhazi ukwahlula.



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

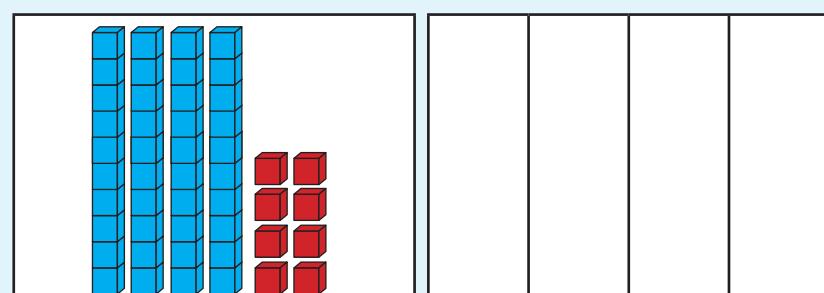
Ngoku yenzo oku.

a.



$$\begin{array}{r} \boxed{} \boxed{} \\ \div \boxed{3} \\ = \end{array} \quad \begin{array}{r} \boxed{} \boxed{} \end{array}$$

b.



$$\begin{array}{r} \boxed{} \boxed{} \\ \div \boxed{4} \\ = \end{array} \quad \begin{array}{r} \boxed{} \boxed{} \end{array}$$



Teacher:
Sign:
Date:

30b

Umhla:

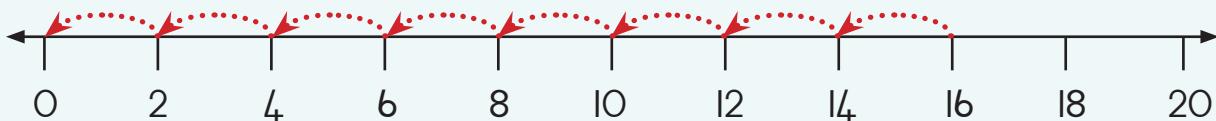
Ikota yoku - l

Ukwahlula (kusaqhutywa)



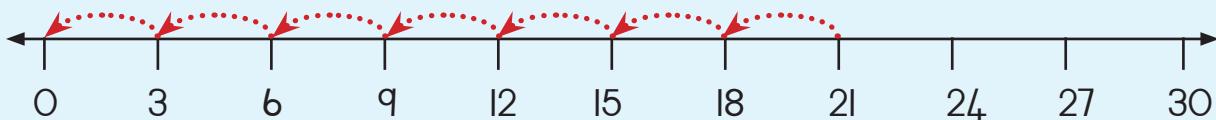
Sebenzisa imigca-manani ubhale isivakalisi-manani sokuthabatha nokwahlula.

Umzekelo:



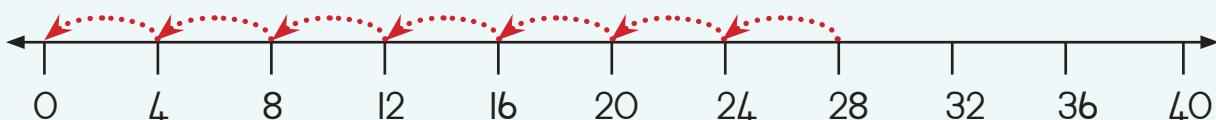
$$16 - 2 - 2 - 2 - 2 - 2 - 2 - 2 = 0$$

$$16 \div 2 = 8$$



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

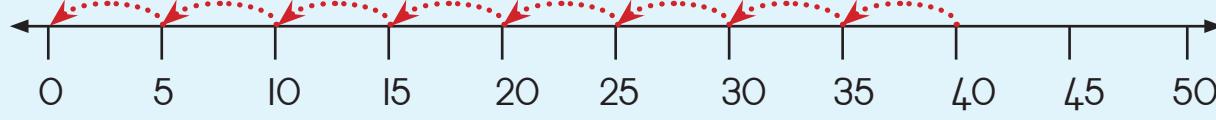
$$\boxed{\quad} \div \boxed{\quad} =$$



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

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

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. $32 \div 4 =$



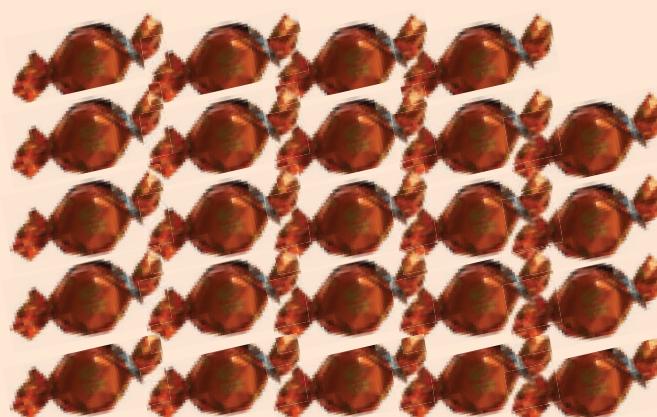
e. $25 \div 5 =$



Umngeni

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

Bhala isivakalisi samanani
ubonise impendulo yakho.



Teacher: _____
Sign: _____
Date: _____

31

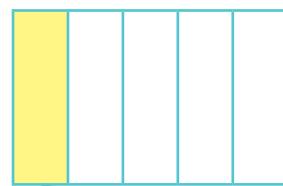


Ikota yoku-l

Amaqhezu

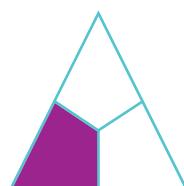


Krwela imigca ukuze utshatise imilo kunye neqhezu:



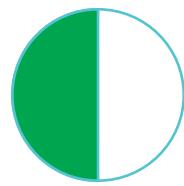
Isinye esithathwini

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



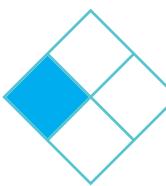
Isinye kwisihlanu

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



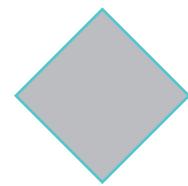
Ikota

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



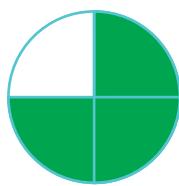
Isiqingatha

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



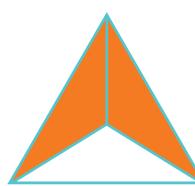
Ikota ezintathu

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



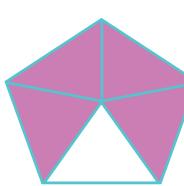
Isine kwisihlanu

$$\frac{4}{5}$$



Into enye epheleleyo

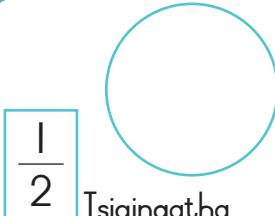
$$1$$



Isibini kwisithathu

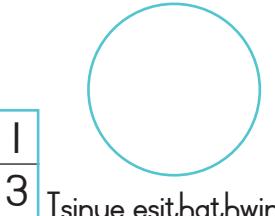
$$\frac{2}{3}$$

Yahlula ze ufake umbala



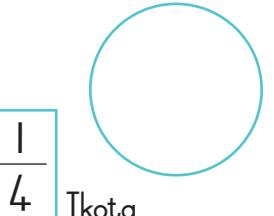
$$\frac{1}{2}$$

Isiqingatha



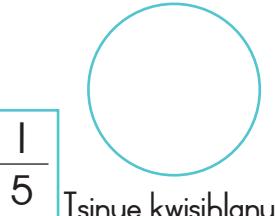
$$\frac{1}{3}$$

Isinye esithathwini



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

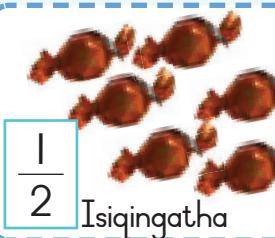
Ikota



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

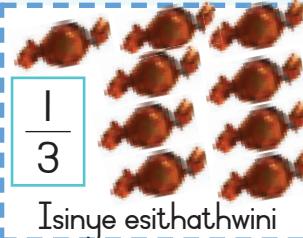
Isinye kwisihlanu

Bonisa iqhezu olinikiweyo leeplekese:



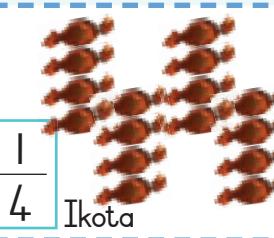
$$\frac{1}{2}$$

Isiqingatha



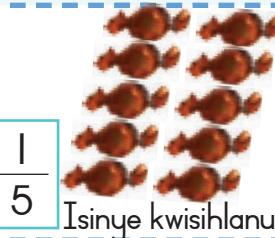
$$\frac{1}{3}$$

Isinye esithathwini



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

Ikota

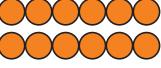


$$\frac{1}{5}$$

Isinye kwisihlanu

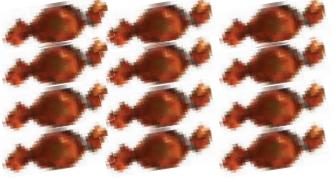
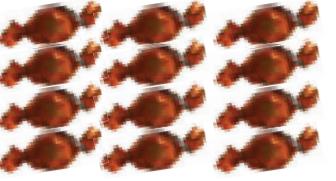


Yahlulela abantwana ababini izinto zokubala.

 <table border="1" data-bbox="239 544 483 725"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1" data-bbox="563 544 806 725"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1" data-bbox="898 544 1141 725"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1" data-bbox="1211 544 1454 725"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>				
<ul style="list-style-type: none"> Sifumene izibalisi ezi - 2 emnye. Isiqingatha sezinto zokubala ezi - 4 ngu - 2. 	<ul style="list-style-type: none"> Sifumene izibalisi ezi - emnye. sezinto zokubala . 	<ul style="list-style-type: none"> Sifumene izibalisi ezi - emnye. sezinto zokubala . 	<ul style="list-style-type: none"> Sifumene izibalisi ezi - emnye. sezinto zokubala . 																



Yahlulela abantwana iilekese.

 <table border="1" data-bbox="333 1450 696 1632"> <tr> <td></td><td></td><td></td><td></td></tr> <tr> <td> </td><td> </td><td> </td><td> </td></tr> <tr> <td> </td><td> </td><td> </td><td> </td></tr> </table>													 <table border="1" data-bbox="994 1450 1357 1632"> <tr> <td></td><td></td><td></td></tr> <tr> <td> </td><td> </td><td> </td></tr> <tr> <td> </td><td> </td><td> </td></tr> </table>									
<ul style="list-style-type: none"> ikota yeelekese iikota ezimbini zeelekese = iikota ezintathu zeelekese = iikota ezine zeelekese = 	<ul style="list-style-type: none"> isithathu seelekese = izithathu ezibini zeelekese = izithathu ezithathu zeelekese = 																					



Teacher: _____
Sign: _____
Date: _____



Malunga nexesha



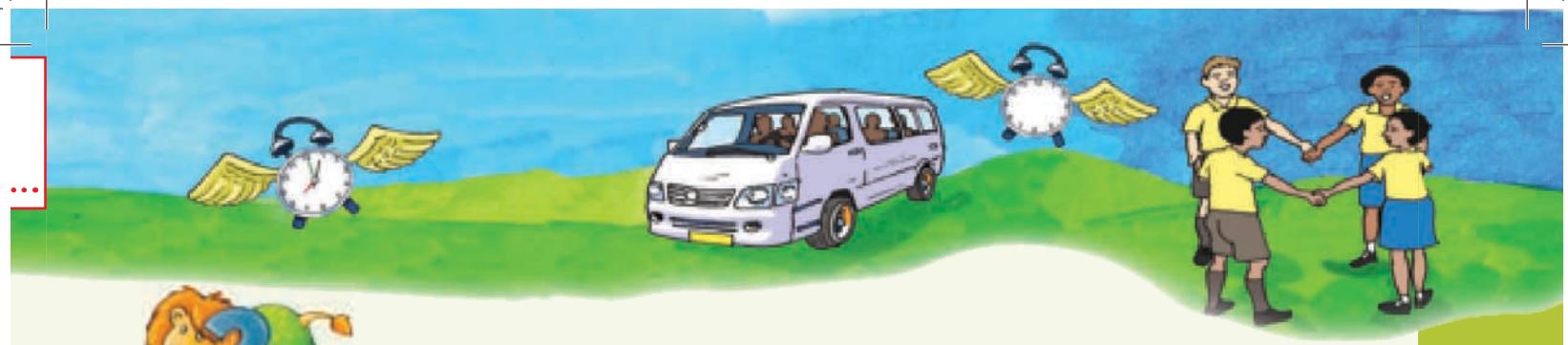
Iwotshi

Sinokubhala ixesha elifanayo ngeendlela ezahlukeneyo.

<p>2:15 umkhono emva kwentsimbi yesibini</p>	<p>5:30 icala emva kwentsimbi yesihlanu</p>	<p>9:45 umkhono phambi kwentsimbi yeshumi</p>

Bhala ixesha ngeendlela ezahlukeneyo.

_____	_____	_____

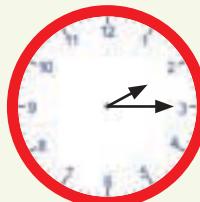
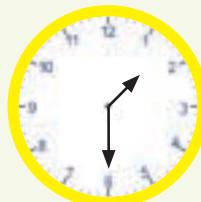


Ukugoduka

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.



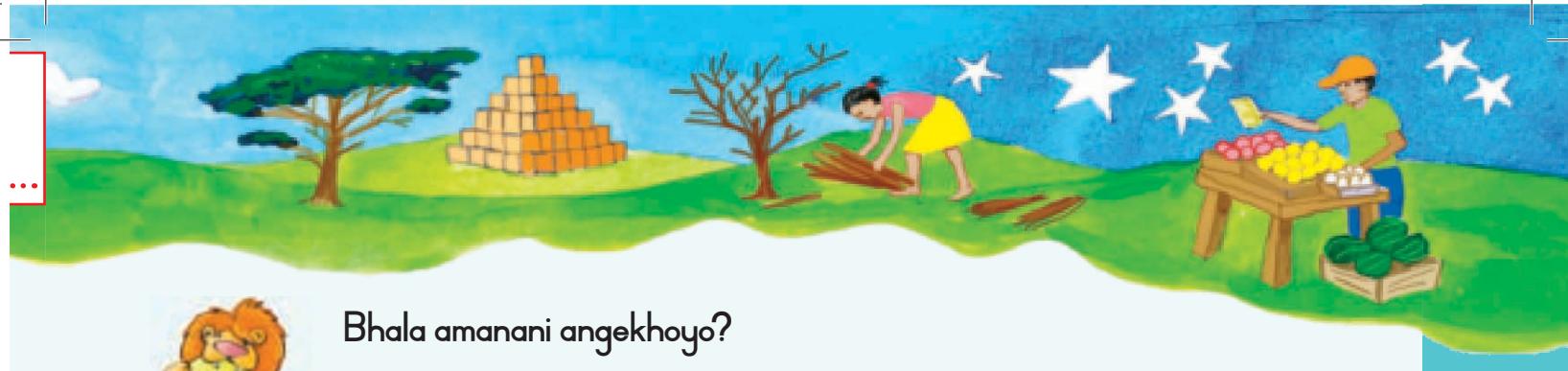
I01	I02							
III								
I21								
I31								
								I49
		I54						
			I65					
		I73						I80
I81				I86				
						I98		200



Bhala amangani

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

200; ; ; ; ; ; ; ; ;



Bhala amanani angekhoyo?

b.	87		107	
	167			
			207	
				237



Gqibezela

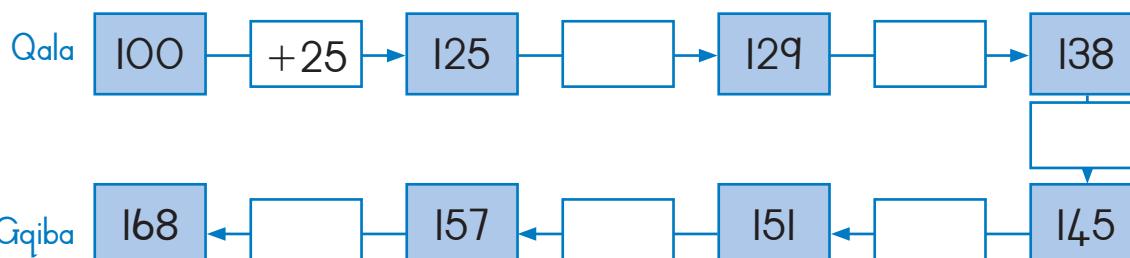
200	+	30	+	5	=	235
200	+	40	+	7	=	_____
200	+	60	+	8	=	_____
	+		+		=	293
	+		+		=	256

Bhala amanani
ngokulandelelana usuke
kwelincinci uye kwelikhulu.



Ukubala ukusuka kwi-100

Bala ukuba kufuneka ntoni ukuze ufikelele kwinani elilandelayo.



34

Umhla:

Ukusebenza ngamaqela amanani



Ukupakisha amakhandlela

UMaNkosi usebenza kumzi ovelisa amakhandlela.

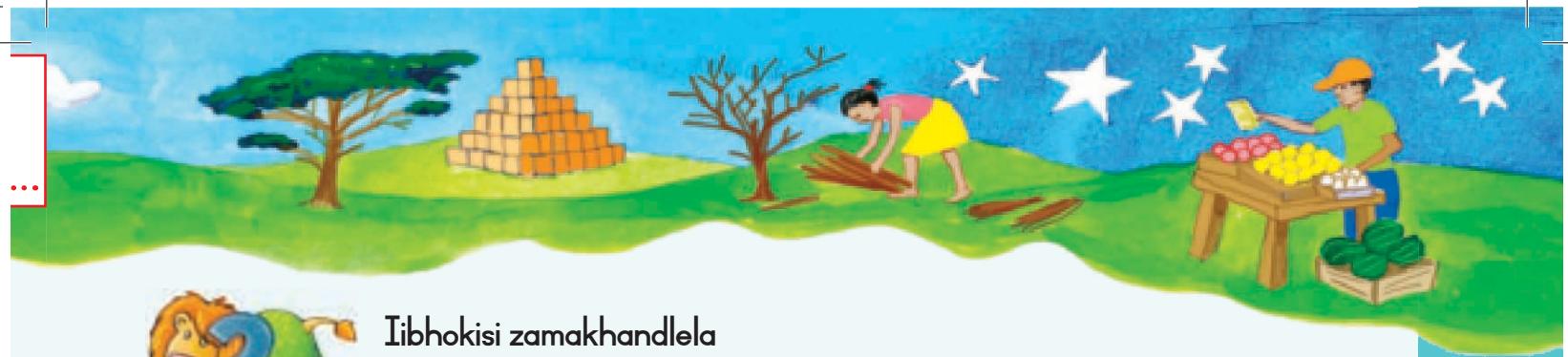
Xa amakhandlela elungile, uwapakisha ngolu hlobo ezibhokisini aze azibeke kumathala ngamathala.



Mangaphi amakhandlela akwiibhokisi nganye? _____

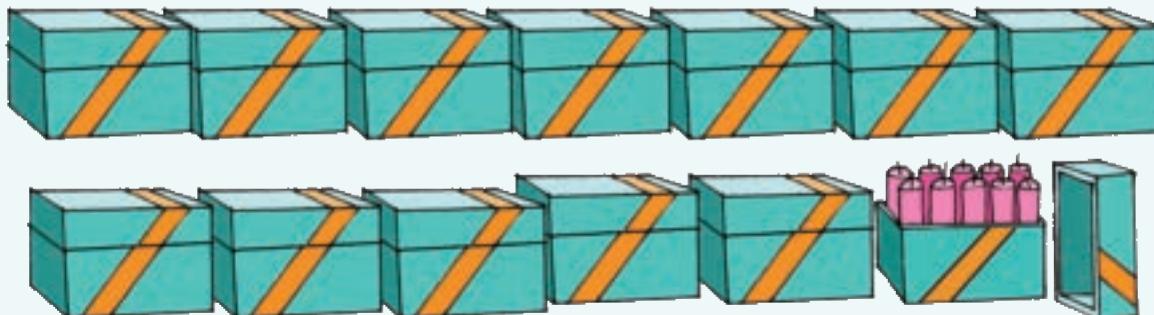
Zingaphi iibhokisi kwithala ngalinye? _____

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:

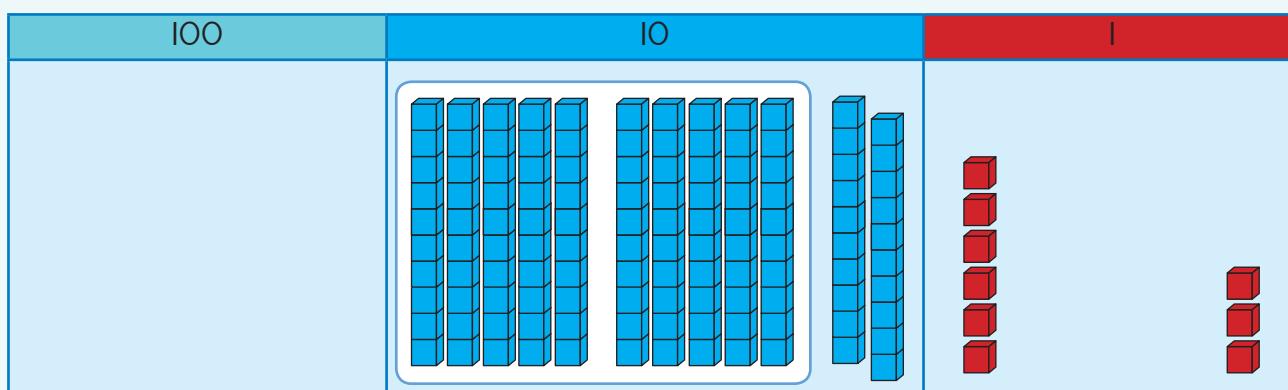
Ikota yesi-2



Ukubeka amashumi ndawonye nokuwacazulula

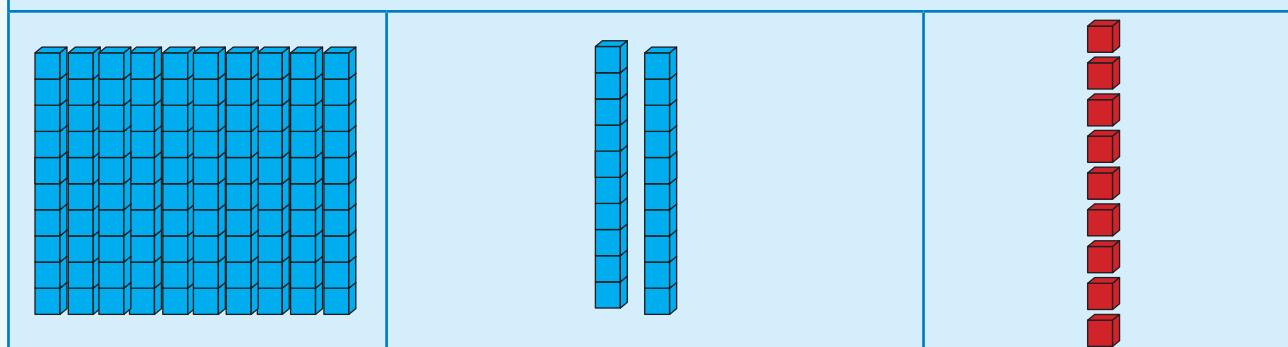
Ukubeka amashumi ndawonye xa sidibanisa siye kuma-qqq

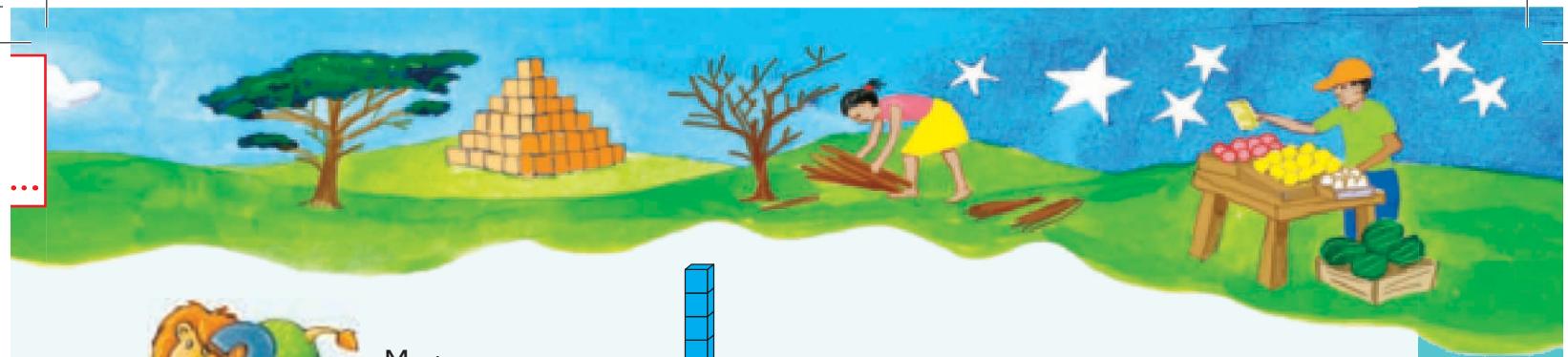
Masidibaniše $56 + 73 =$	
Amashumi ama -5 nemivo emi -6	Amashumi asi - 7 nemivo emi -3



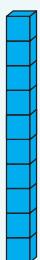
Sisonke sinamashumi ali -12.

Sinokudibanisa amashumi ali -10 senze ikhulu eli -1.





Masizame



$$= \square \text{ kanye } \blacksquare = \circ$$



$$100 + 20 + 6 = 126$$

a. $65 + 52$

b. $76 + 63$

c. $86 + 65$



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	amashumi ali -II + imivo eli -I2 = IIO + I2	I22
$38 + 25 =$	_____ 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 - IO	$70 - 28 =$	

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

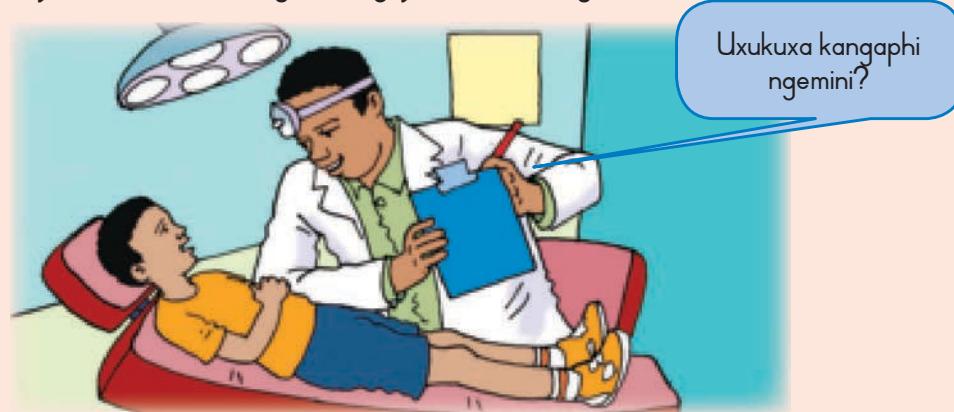


Umhla:



Utyelelo kugqirha wamazinyo

Iqela labantwana lityelela ugqirha wamazinyo.



Naku akuxelelwa nqabantwana



=kanye nægmini

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

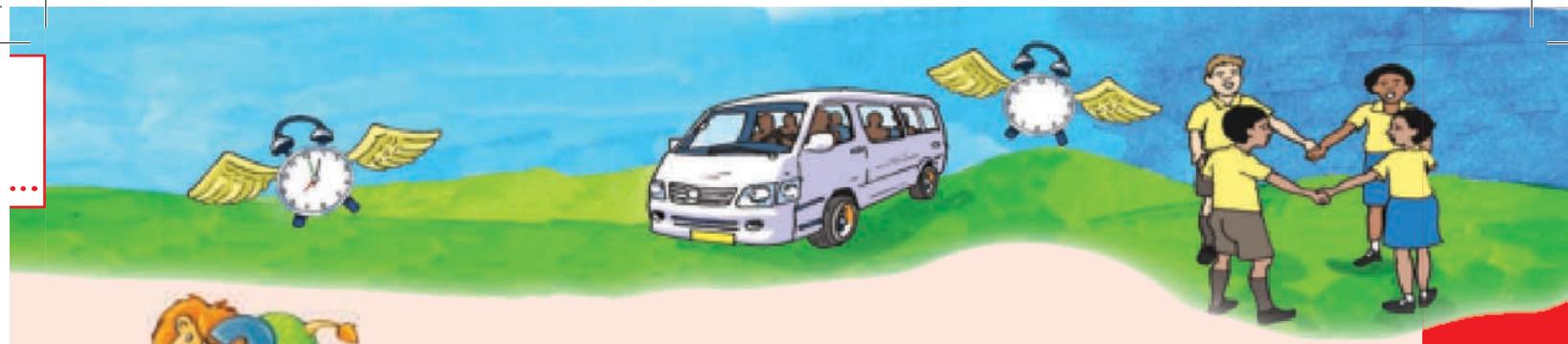
- a. Bala iimpawu (✓) ubonise ukuba bawahlamba kangaphi abantwana amazinyo abo. Bhala amanani.

The image consists of three horizontal rows, each featuring a pair of colorful toothbrushes. The top row shows two blue and white toothbrushes. The middle row shows two green and white toothbrushes. The bottom row shows two red and white toothbrushes. Each row is accompanied by a label in a stylized font: 'Kanye ngemini' for the top row, 'Kabini ngemini' for the middle row, and 'Kathathu ngemini' for the bottom row.

- b. Uqaphela ntoni kule theyibhile?

Uninzi lwabantwana luxukuxa ka _____ ngemini.

Kukho abantwana aba _____ eqeleni.



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.



11 12 13 14 15 16 17 18 19 20

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

37a



Umhla:

Ikota yesi-2

Dibanisa uze uqukanise



Bhala izibalo zakho



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

Unokudibanisa 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

Udibanisa imivo aze abeke phantsiikhadi **q**.

Uyazi: $50 + 70 = 120$.

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

Uyibhala ngolu hlobo:
 $50 + 70 + 6 + 3$
 $= 50 + 70 + q$
 $= 120 + q$
 $= 100 + 20 + q$
 $= 12q$

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:

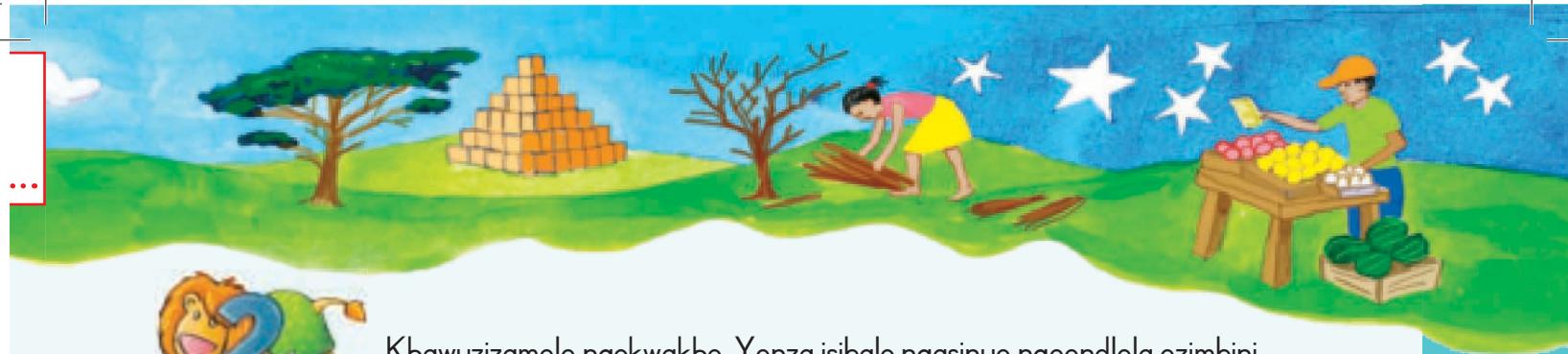
$$\begin{array}{r} 50 + 6 + 70 + 3 \\ \swarrow \quad \searrow \\ 120 + q \\ = 12q \end{array}$$



UAakar uyakuthanda ukusondeza. Ukwenza ngolu hlobo oku:

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





Khawuzizamele ngokwakho. Yenza isibalo ngasinye ngeendlela ezimbini.

a. $86 + 62$

Indlela yokubala kaBusi

$$80 + 60 + 6 + 2$$



Indlela yokubala ka-Dumi

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



b. $72 + 63$

c. $81 + 57$

d. $69 + 71$



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

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

37b

Umhla:

Dibanisa uze uqukanise (kusaqhutywa)



Masithabathe.



Indlela yokubala kaBusi

$$80 - 50 + 7 - 3$$

$$= 30 + 4$$

$$= 34$$

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?



Teacher:
Sign:
Date:

38



Ikota yesi-2



Iziciko zeebhotile

Sombulula!

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



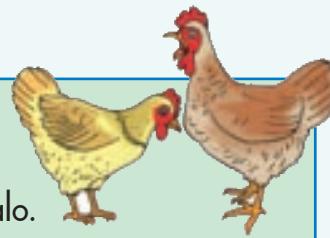
UMusa



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



Ukuziħelisa ngakumbi



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

Indlela enza ngayo uGugu

$$\begin{aligned} & 60 + 90 + 9 + 5 \\ & = 100 + 50 + 14 \\ & = 150 + 10 + 4 \\ & = 164 \end{aligned}$$



Indlela enza ngayo uAakar

$$\begin{aligned} & 69 + 95 \\ & = 70 + 95 - 1 \\ & = 70 + 90 + 5 - 1 \\ & = 160 + 4 \\ & = 164 \end{aligned}$$

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?

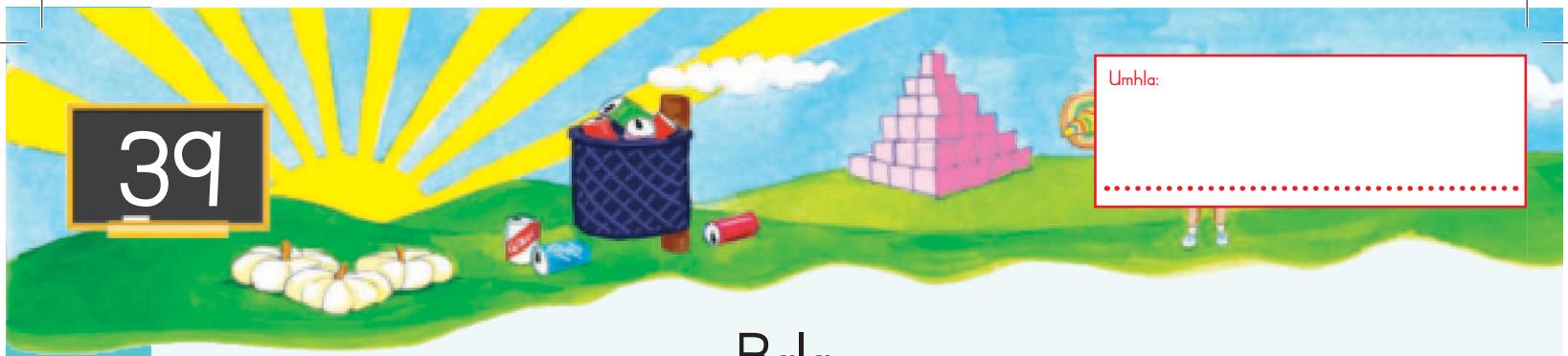
Indlela enza ngayo uGugu

Indlela enza ngayo uAakar



Teacher:
Sign:
Date:

39



Ikota yesi-2

Bala



Fumana indawo

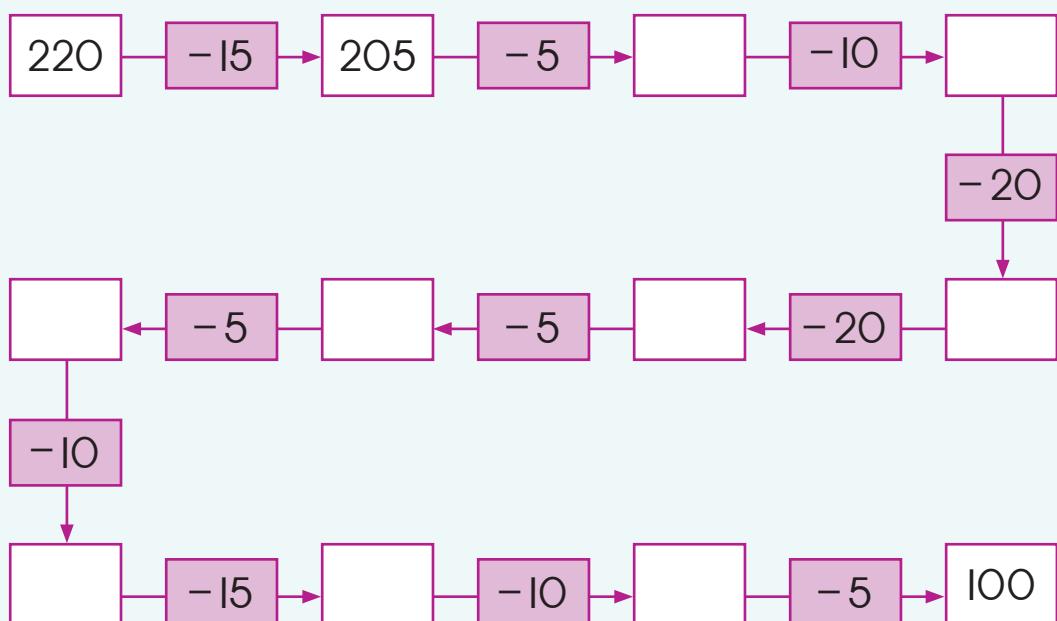
Bhala amanani ashiyiweyo.

- | | | | | | | | |
|----|-----|----|-----|----|-----|----|-----|
| 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.

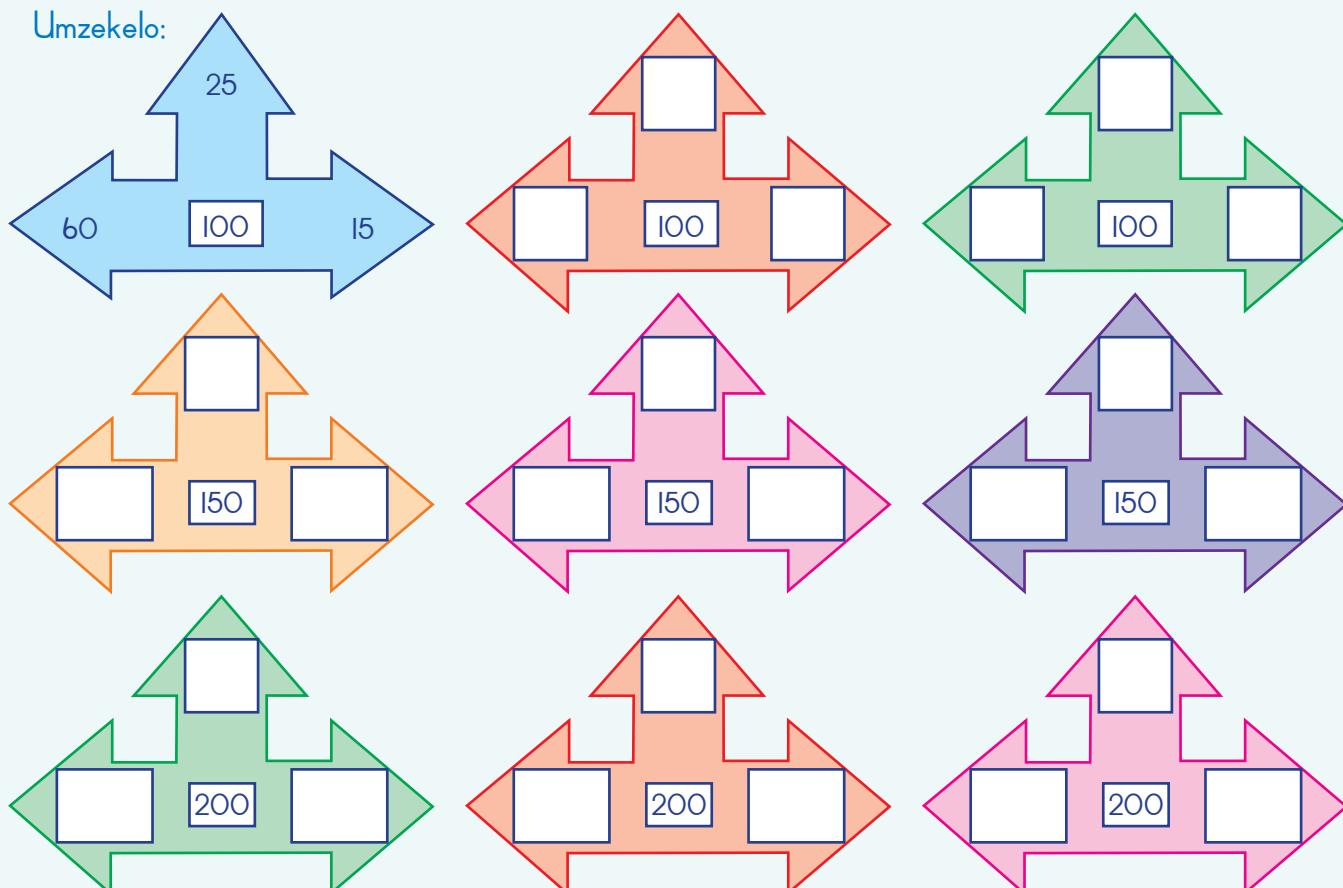
Ke ngoku
dibanisa
amanani!



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

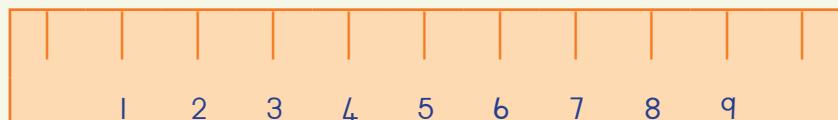


Umhla:

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.

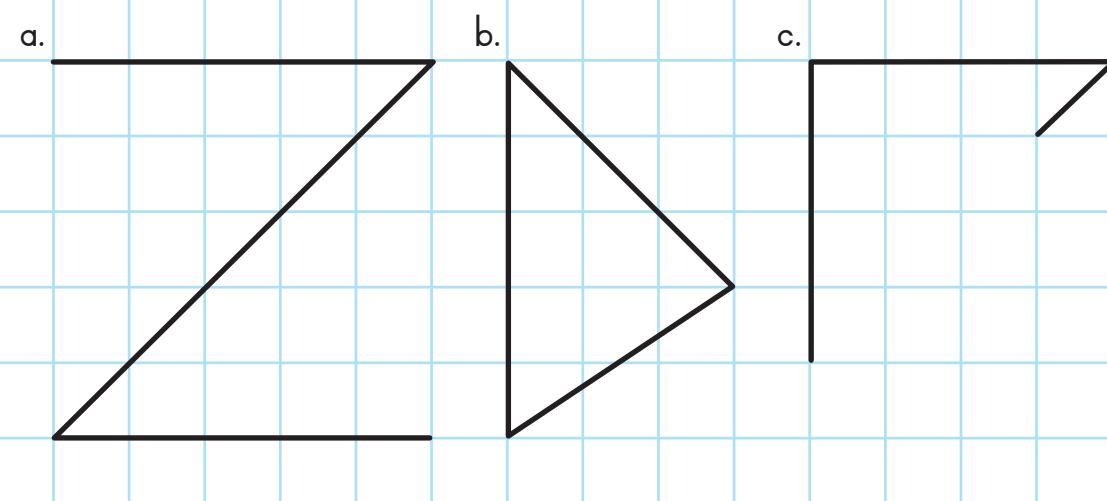
Ezinye iirula azimbonisi u -O njengalapha kweli phepha.

Fumana u -O cm kwirula. Bhala phezu kwerula.

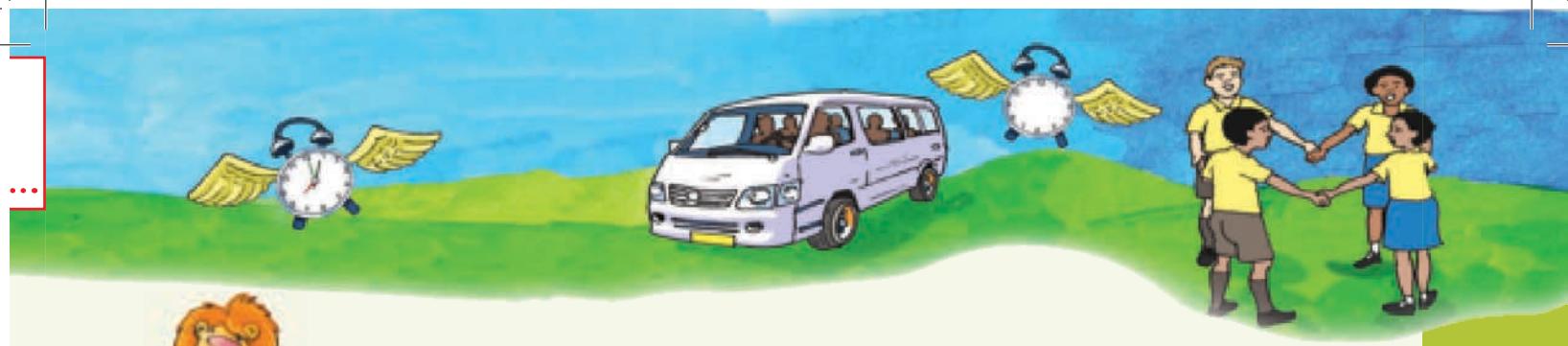
Uphi u -10cm kule rula? Bhala u -10 qpho.



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?

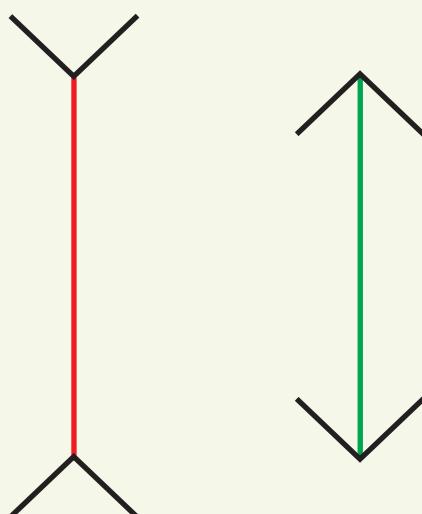
a.	—	<input type="text"/> cm	d.		<input type="text"/> cm
b.	—	<input type="text"/> cm	e.	—	<input type="text"/> cm
c.	—	<input type="text"/> cm	f.	—	<input type="text"/> cm



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

41



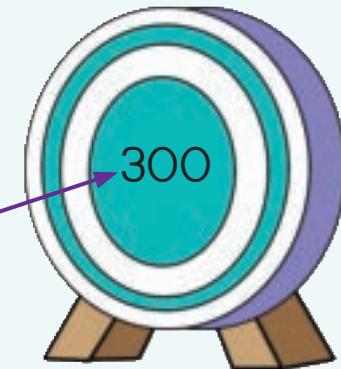
Umhla:

Ikota yesi-2

Bala ufile kuma -300



Bala ubhale ama -200

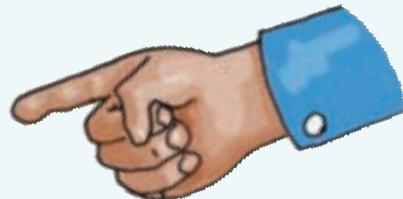


Bala ukusukela kuma -201 ukuya kuma -300.

Khomba njengokuba uhamba.

Zalisa iibloko ezizuba kuqala.

Bhala onke amanye amanani ashiyelwego.



201						207			210
211									
221									
231									
									249
					254				
						265			
								273	
281									280
									298
									300

Bhala amanani ali -10 aza emva kwama -300.

300; _____; _____; _____; _____; _____; _____; _____; _____; _____

42

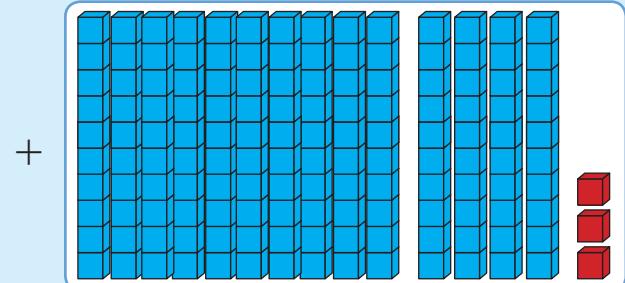
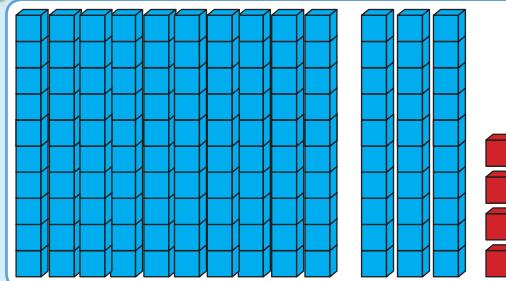
Umhla:

Ikota yesi-2



Ukudibanisa nokuthabatha ngama-100

Ukusebenzisa iibloko ukuze udibanise



$$100 \text{ } 30 \text{ } 4 +$$

$$100 \text{ } 40 \text{ } 3$$

$$= 200 \text{ } 70 \text{ } 7$$

$$= 277$$



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

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

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

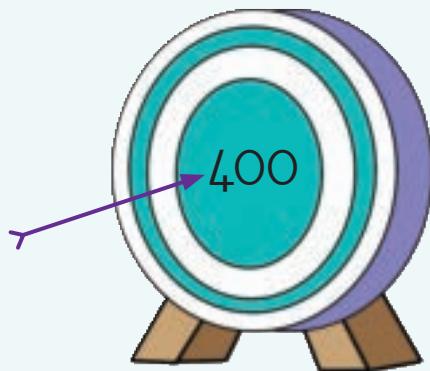


Ukubala nokubhala ama -400

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; _____; _____; _____; _____; _____; _____; _____; _____; _____;

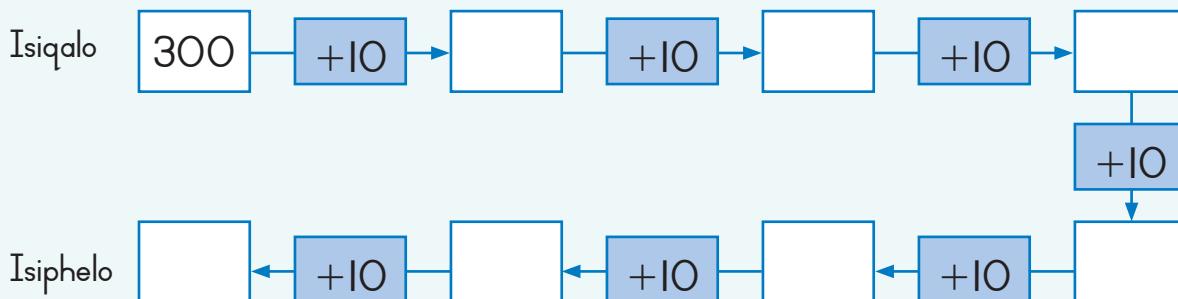
100

1 2 3 4 5 6 7 8 9 10

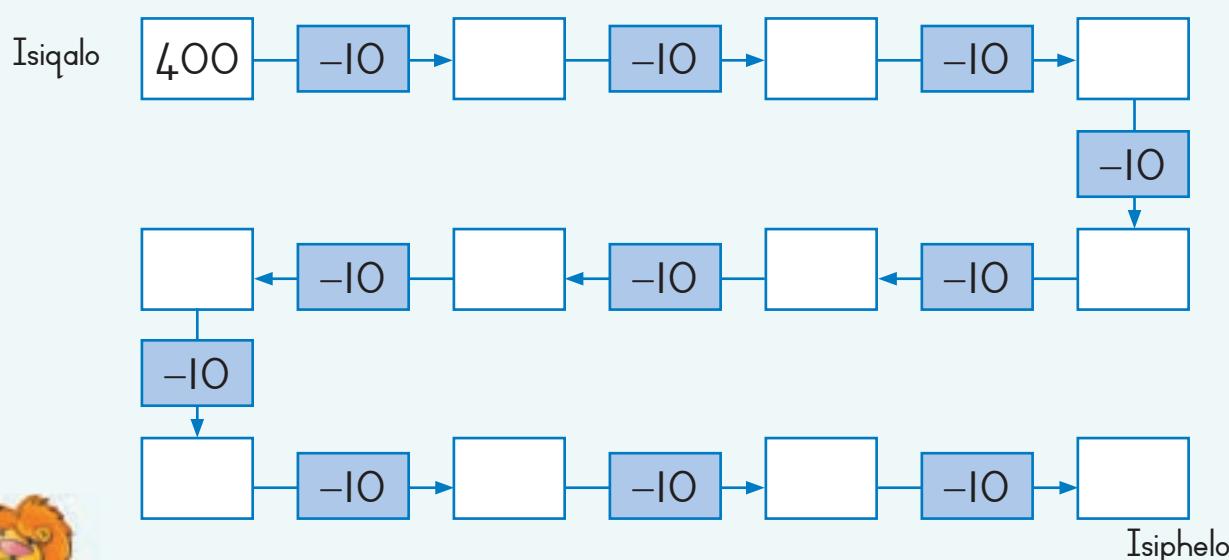


Bala uye phambili okanye ubuye umva

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.

 , , , , , , ,



Teacher: _____
Sign: _____
Date: _____

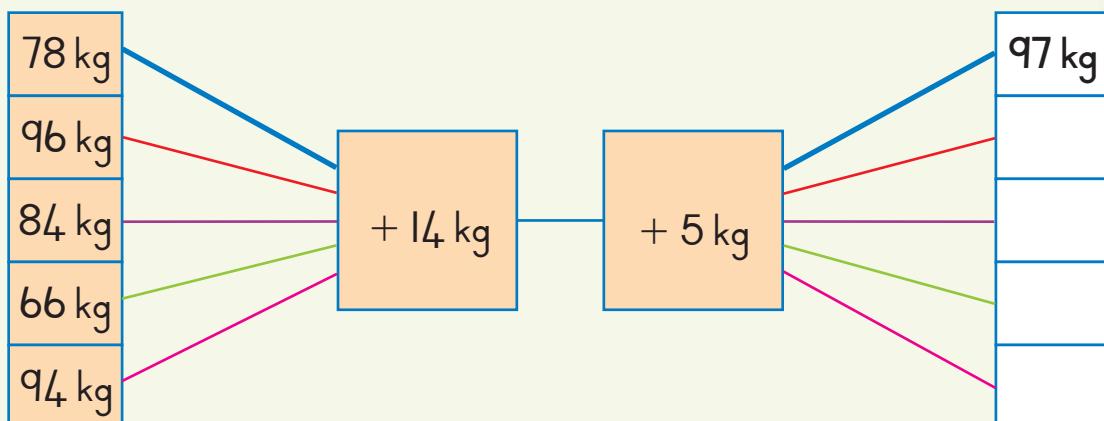
44

Umhla:



Inani elikhethekileyo

Dibanisa uze ubhale iimpendulo.



Ukuweza inani nokudibanisa!

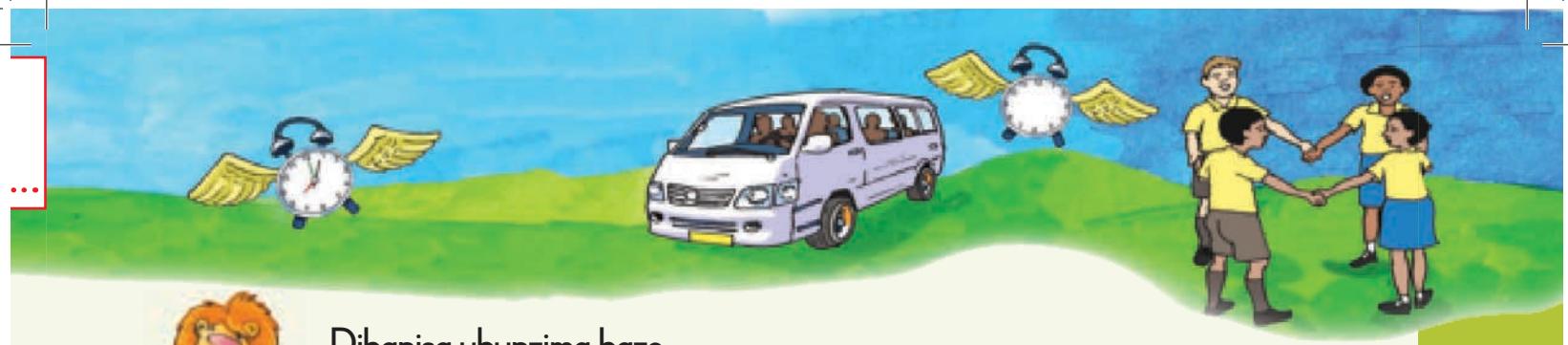
Cingisia!

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



Amanyathelo

Ndisenokungabi nzima njengawe Fudo, kodwa ngokuqinisekileyo ndiyakhawuleza kunawe!



- 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 .

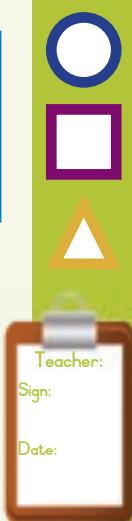
Ubunzima babo budibene ngama - **239 kg**. UVusi unobunzima obungakanani?
Bonisa impendulo yakho.



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



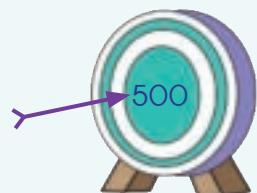
Umhla:

Ikota yesi-2



Bala uze ubhale

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; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

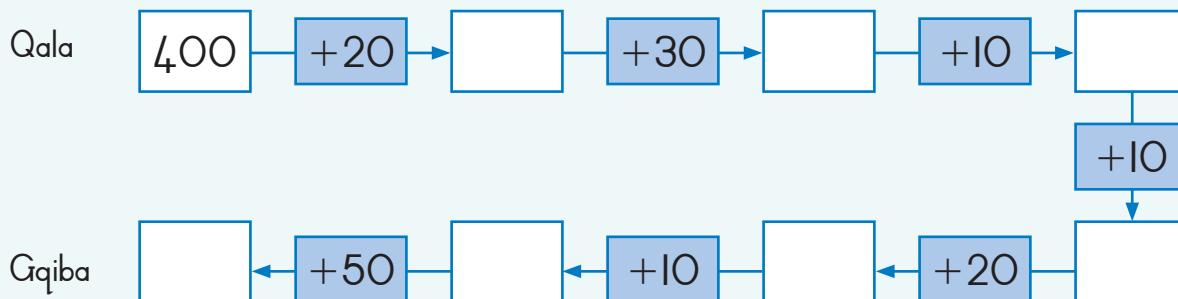
- e. Bala ngezi -5. Bhala amanani asi -8 alandelayo **kwipatheni yezi-5**.

400; 405; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

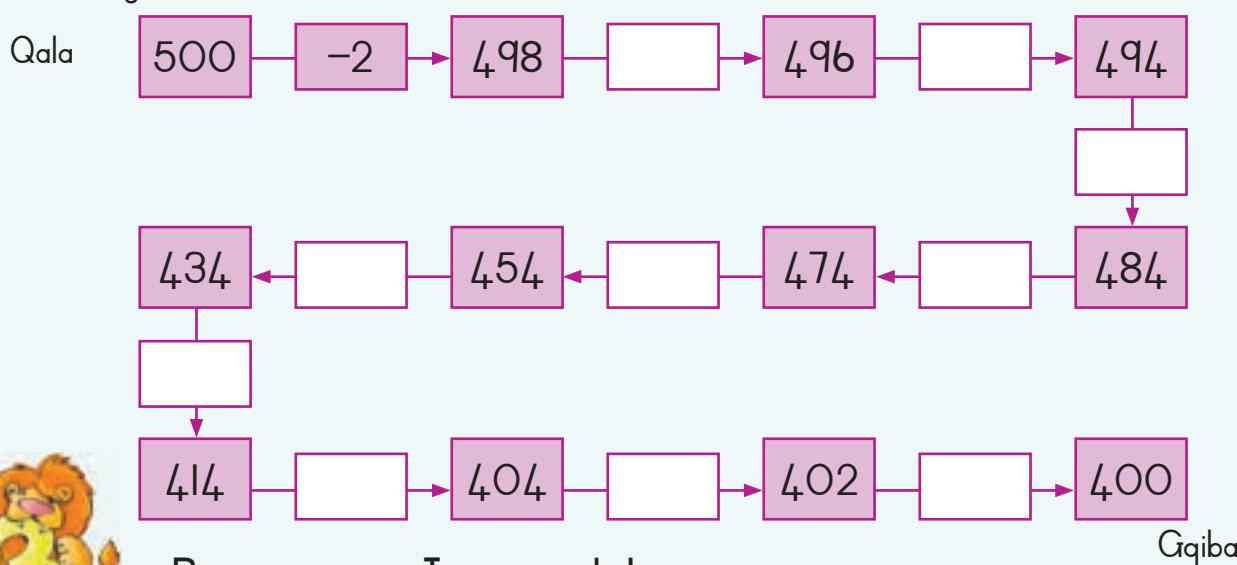


Fakela amanani ashijiwéyo.

- 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	$400 + 10 + 5$
$446 + 10$		
$455 + 10$		

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

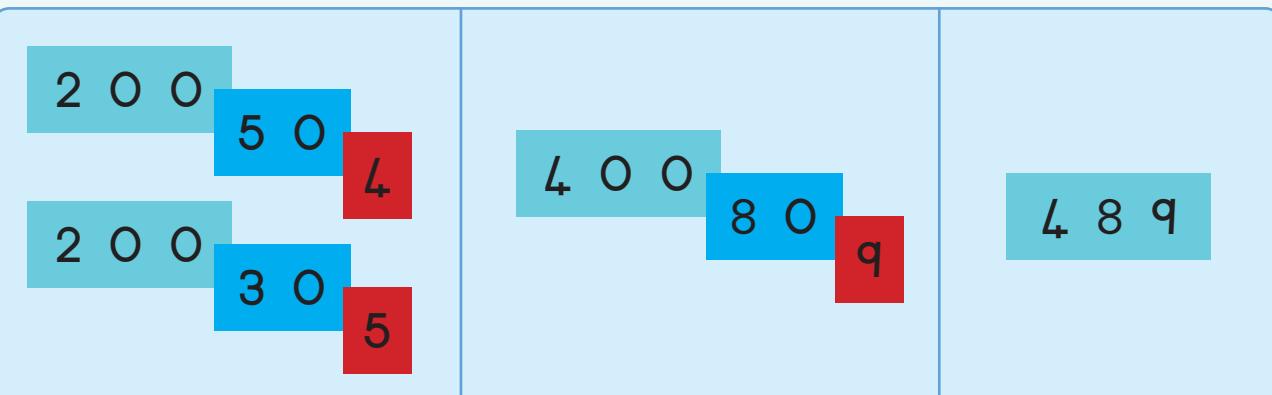


46

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

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

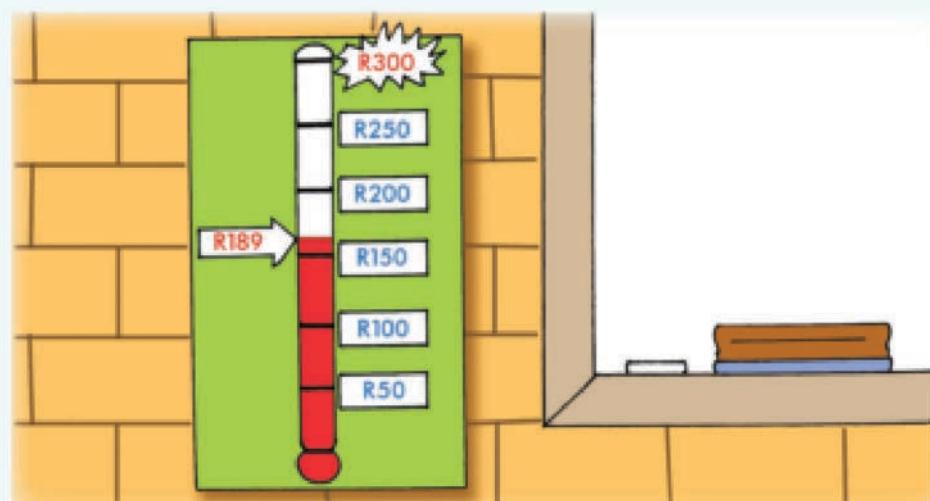


b. $489 - 456$

c. $482 - 161$



Ukufikelela 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:

Phucula izakhono zakho

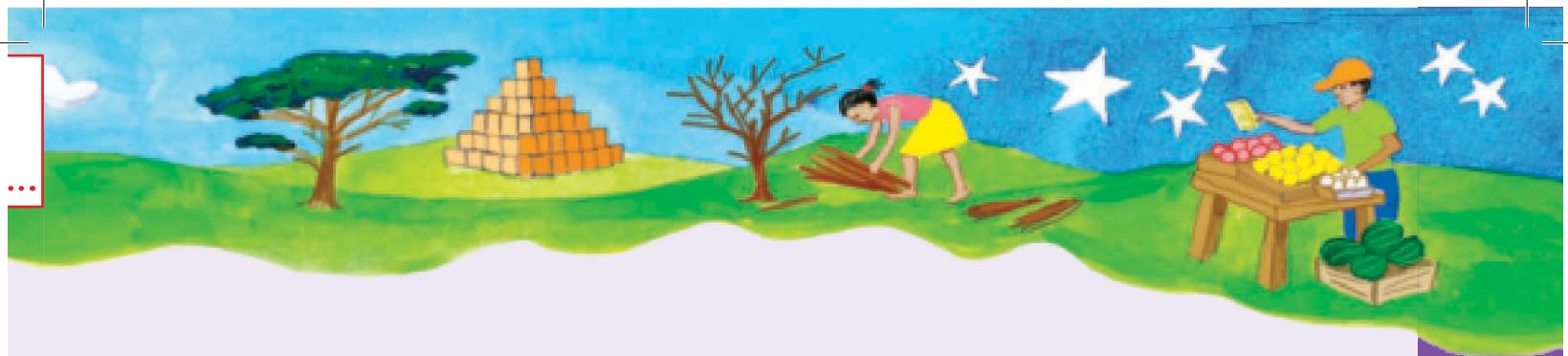


Intaba yemfihlo

Lithini igama leyona ntaba iphakame kakhulu eGauteng? Sebenzisa ikhowudi ufumane impendulo. Tshatisa impendulo nganye ekwitheyibhile 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 -I6? Phawula (✓) echanekileyo. * ● ☽
- Liza kuba yeyiphi imilo inani i -I8? Phawula (✓) echanekileyo. * ● ☽
- Liza kuba yeyiphi imilo inani i -I9? 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?



Yeyiphi engaphenzulu?

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

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

Khangela. Thelekisa. Lungisa.



Teacher:
Sign:
Date:

II 12 13 14 15 16 17 18 19 20

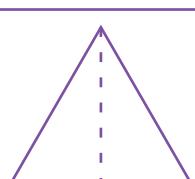
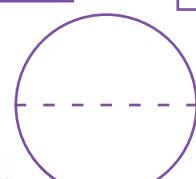
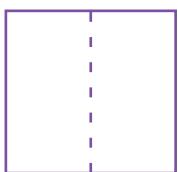
48

Umhla:

Ikota yesi-2

Umafana twatse

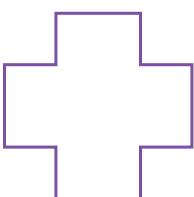
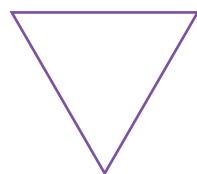
Uqaphela ntoni ngezi milo?



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

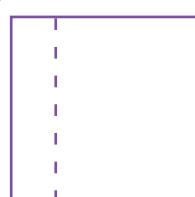


Krwela umgca owahlula imilo nganye ngokulinganayo

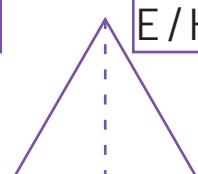


Ingaba umgca ochokoziweyo ngumgca owahlula ngokulinganayo okanye asinguwo?

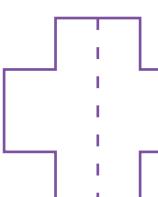
Biyela ngesangqa u-E (EWE) okanye u-H (Hayi).



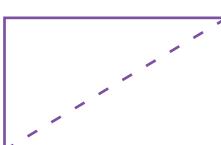
E / H



E / H



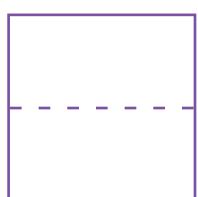
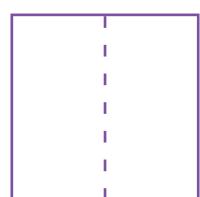
E / H

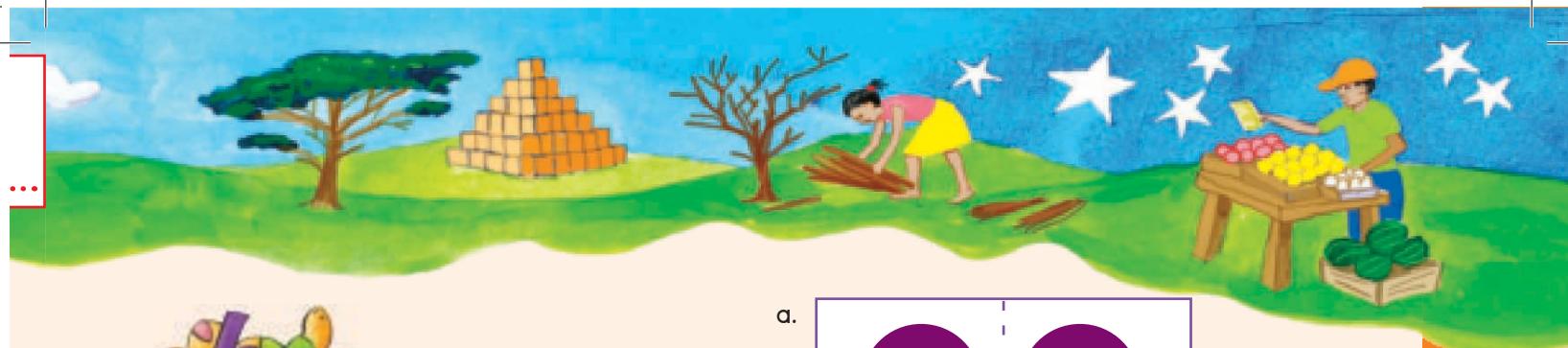


E / H



Ingaba ngumgca kamafana twatse lo? Ngoba kutheni?

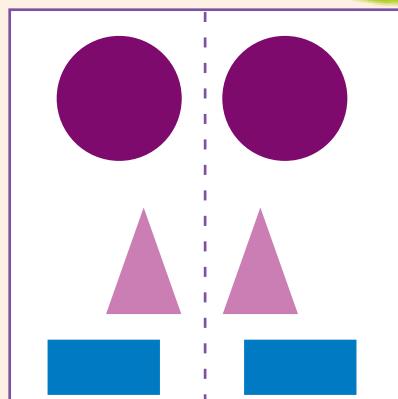




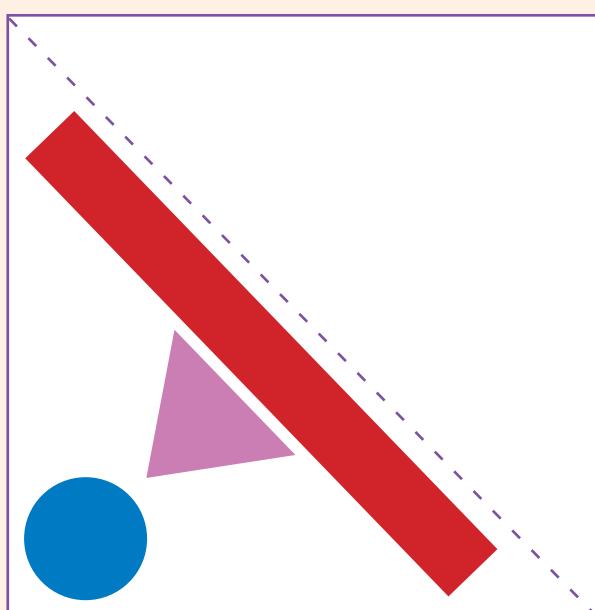
Zoba iimilo wenze umfanekiso kamatwatotse.

Sikwenzele owokuqala.

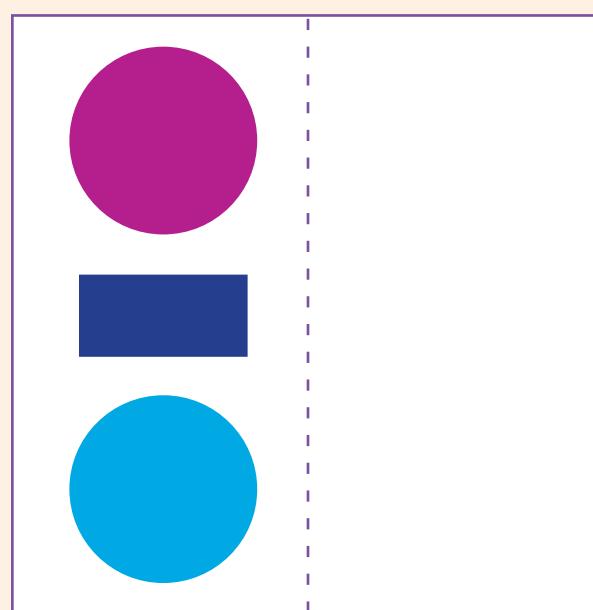
a.



b.



c.



Ziyilele eyakho
ikhaphethi
kamatwatotse
usebenzise iimilo.



11 12 13 14 15 16 17 18 19 20

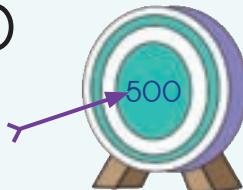
49



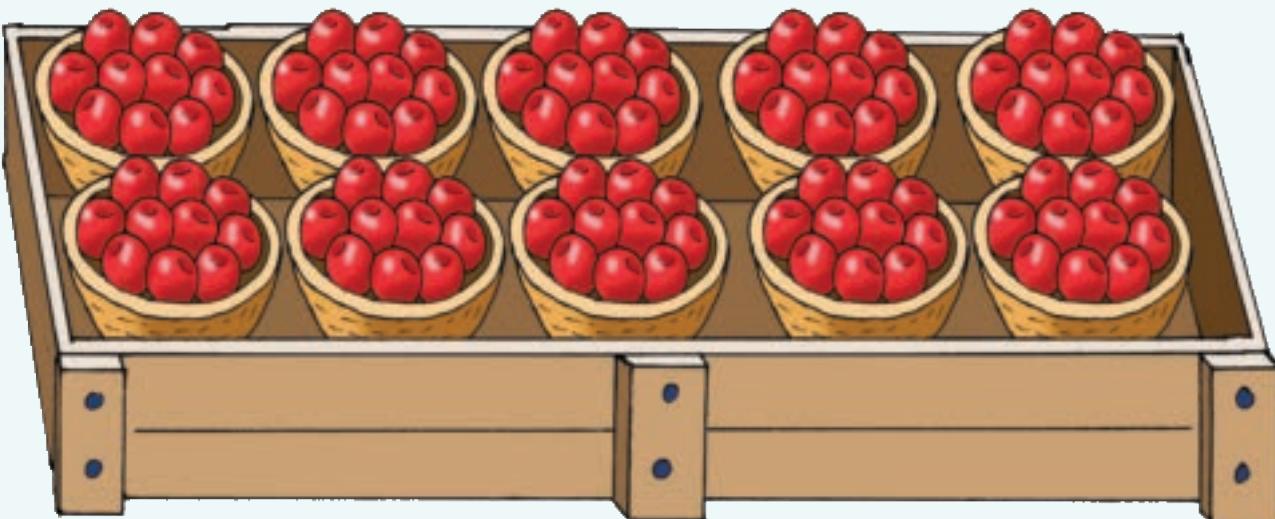
Umhla:



Bala ama-apile



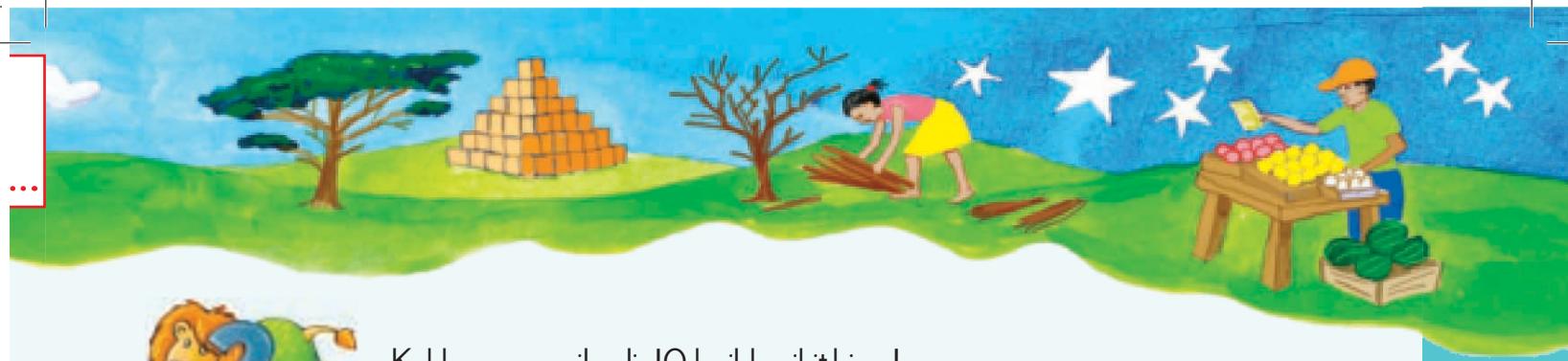
Ukuya kuma-500



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 _____.
Ibhokisi ezi -3 zithatha ama-apile a _____.	iibhokisi ezi -4 zithatha ama-apile a _____.
Ibhokisi ezi -5 zithatha ama-apile a _____.	iibhokisi ezi -2 ezizele kangangesiqinagatha zinama-apile a _____.

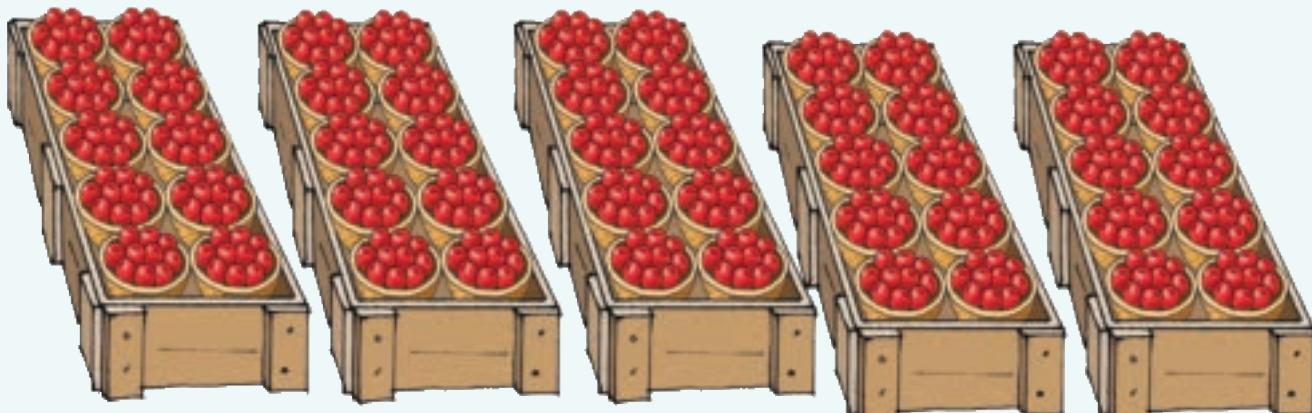


Kukho ama-apile ali -10 kwibhasikithi e -l.

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.

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

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

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

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



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.

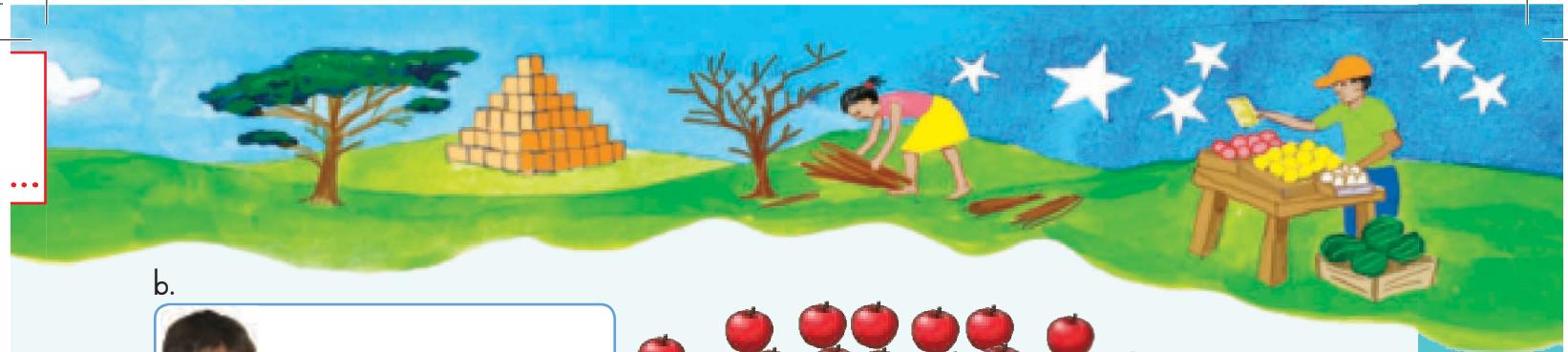


Hlola iimpendulo zakho

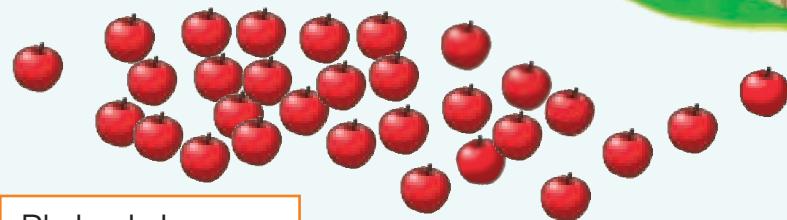
$$\boxed{} \div \boxed{} = \boxed{}$$

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





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.

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

$$\times \quad \boxed{}$$



b.

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

$$\times \quad \boxed{}$$



c.

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

$$\times \quad \boxed{}$$



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?



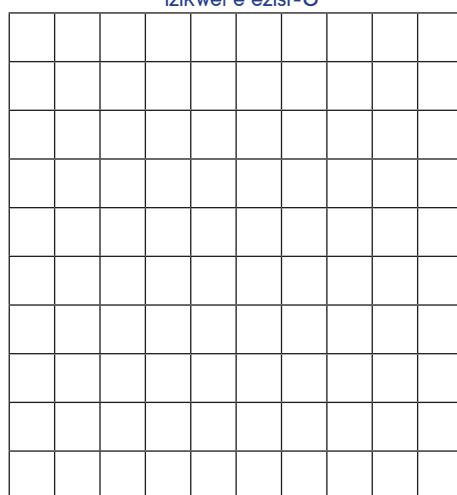
Ndingenza uluhlu olunye ngeethayile ezi -6.	Ndingenza izintlu ezi - 2 ngeethayile ezi -3 kuluhlu.	Ndingenza izintlu ezi -3 ngeethayile ezi -2 kuluhlu ngalunye.

Ngoku lithuba lakho!

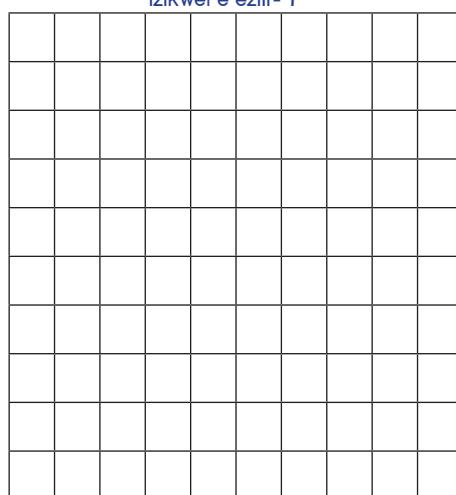
Fakela umbala kwiibloko zeethayile ubonise indlela onokuzicwangcisa ngayo izikwere zeethayile
ezi -8 nezili -9.

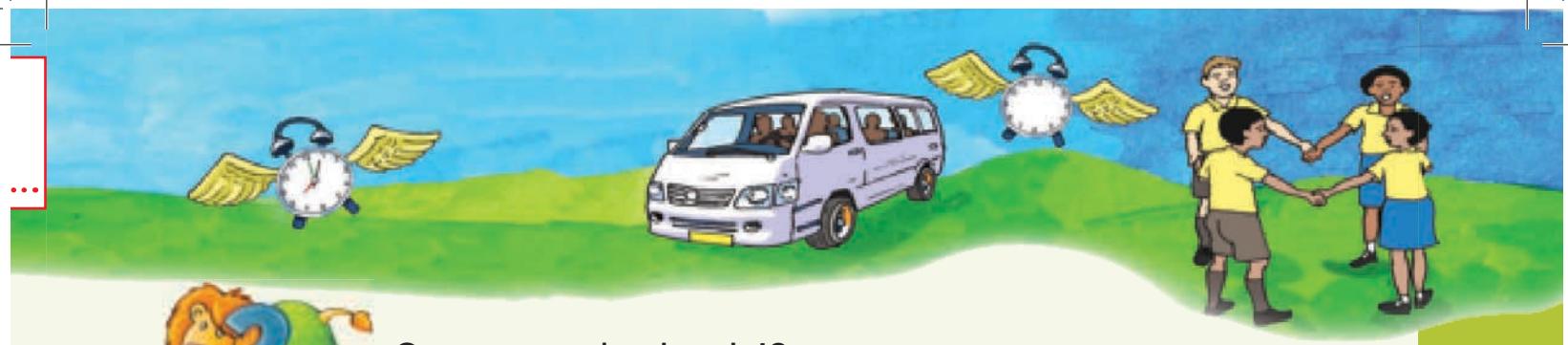
Bhala izivakalisi -manani kumzobo ngamnye.

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



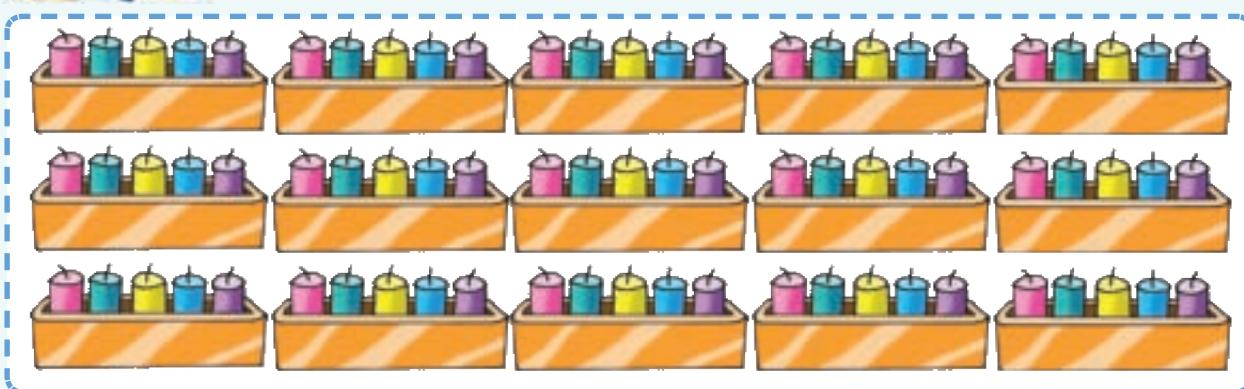
Zazi izi-5 zakho

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

55

Bala ngezi-3 nangezi-4

Imbiiza ezinemilenze emi-3



Dibansisa uze ubhale
iimpendulo.

Ikota yesi-2

- a. Zingaphi iimbiza kumqolo ngamnye? _____

- b. Mingaphi imilenze kumqolo ngamnye? _____

- c. Mingaphi imiqolo yeetafile? _____

- d. Mingaphi imilenze ijonke? Bonisa indella obale ngayo.

Phawula (✓) izivakalisi manani eziwonisa itotali.

$$21 \times 7 = \boxed{ } \quad 3 \times 7 \times 3 = \boxed{ } \quad 3 \times 4 \times 2 = \boxed{ } \quad 21 \times 3 = \boxed{ }$$

Mingaphi imilenze?

1	imbiiza	3	imilenze	10	imilenze	5	imilenze	10	imilenze
2	imbiiza	imilenze	imilenze	15	imilenze	12	imilenze	11	imilenze
5	imbiiza	imilenze	imilenze	13	imilenze	14	imilenze	12	imilenze



Kufuneka imilenze emingaphi ukuze enze enye itafile.



× 3	6	imilenze	2	3	4	5	8	10	11
× 4	8	imilenze	12	13	14	15	16	17	18



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



Bala ngama-50

Umtwana omnye, ingubo enye!

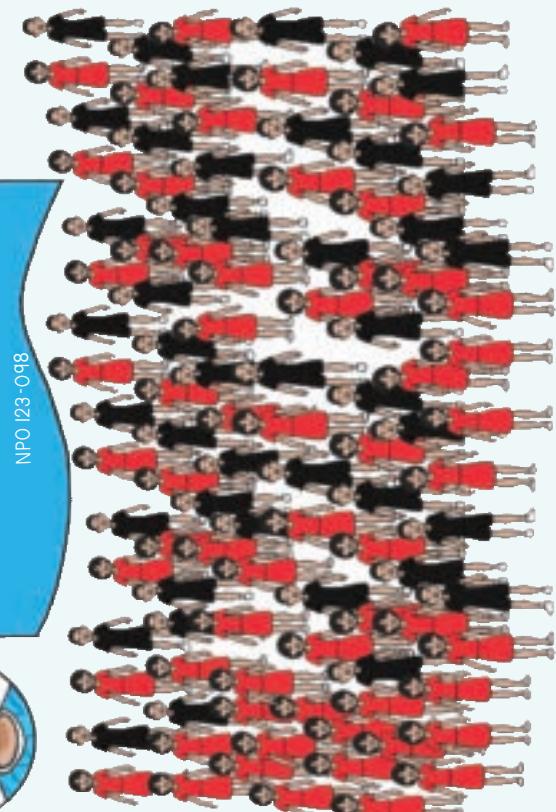
Bangaphi abantwana? Qikela uze ubabale.



Inguoo Yethemba

Gcina abantwana bethu befudumele

NPO | 23 - 098



Ikota jesi-2



Bahlawula malini?

Ugwazi Bahlawula ezi-2.

R

Uhlawula Unkosikazi Siko uthenga ezi-5

R

Uhlawula

Kwivenkile yakwa Thembu bathenga ezingama-20.

R

- | | | | |
|---|---------------------|----|---------------------|
| 5 | ngama-R50 = R250 | 10 | ngama-R50 = R500 |
| 4 | ngama-R50 = R _____ | 15 | ngama-R50 = R _____ |
| 3 | ngama-R50 = R _____ | 6 | ngama-R50 = R _____ |
| 7 | ngama-R50 = R _____ | 12 | ngama-R50 = R _____ |
| 8 | ngama-R50 = R _____ | q | ngama-R50 = R _____ |

Bonke abantwana abasemfanekisweni babumana iingubo.

Bangaphi abantwana abdakhojo? _____

Qikela	Bala	Theleksa

Mangaphi ☺ amakhwenkwe? _____ Mangaphi ☺ amantombazana? _____

1 2 3 4 5 6 7 8 q 10



Teacher:
Sign:
Date:

Iza kuthathha ixsha elingakanani? Sebenzisa ikhalenda.

Iklaşı yebanga lesi-3 iqokelela imali ezakuthenga
ngayo iingubo ezi-4.

Baqokelala : R5 ngosuku kwintsku ezi-5 zeveki.
Kufuneka iliveki ezingaphi ukuze baqokelale imali yøengubo?

11 12 13 14 15 16 17 18 19 20

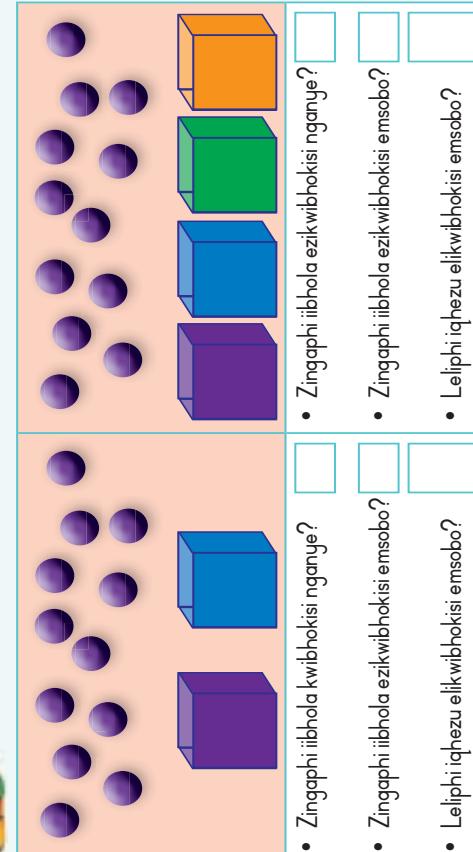
Amaqhezu: iziqingatha neekota

Yahhula iibholaa ezkwibhokisi nganyo phakathi kweebbhokisi.

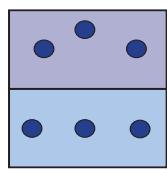


57

Ikota yesi-2



Jongaa umfanetiso uze uphendule imibizo.



Zingaphi izangqa ozibaleyo?
Nika isi- $\frac{1}{2}$ sezangqa?

Ubale izangqa ezingaphi?
Nika i- $\frac{1}{4}$ yezangqa?

Nika i- $\frac{2}{4}$ yezangqa?

Nika i- $\frac{3}{4}$ yezangqa?

Nika i- $\frac{4}{4}$ yezangqa?

Faka umbala kwi- $\frac{1}{2}$ semilo nganye.

Faka umbala kwi- $\frac{1}{4}$ yemilo nganye.

Faka umbala kwi- $\frac{2}{4}$ yemilo nganye.

Faka umbala kwi- $\frac{3}{4}$ semilo nganye.

Jongaa iziqwenga zamadhezu



a. Zingaphi iziqgathaa ($\frac{1}{2}$) ezija kwenza into enye epheloley?

Zingaphi iikota ($\frac{1}{4}$) ezija kwenza into epheloley?

Zingaphi iikota ezija kwenza isiqingattha?

b. Jongaa imifanekiso uze ubhale iqhezu lendawo enombara.



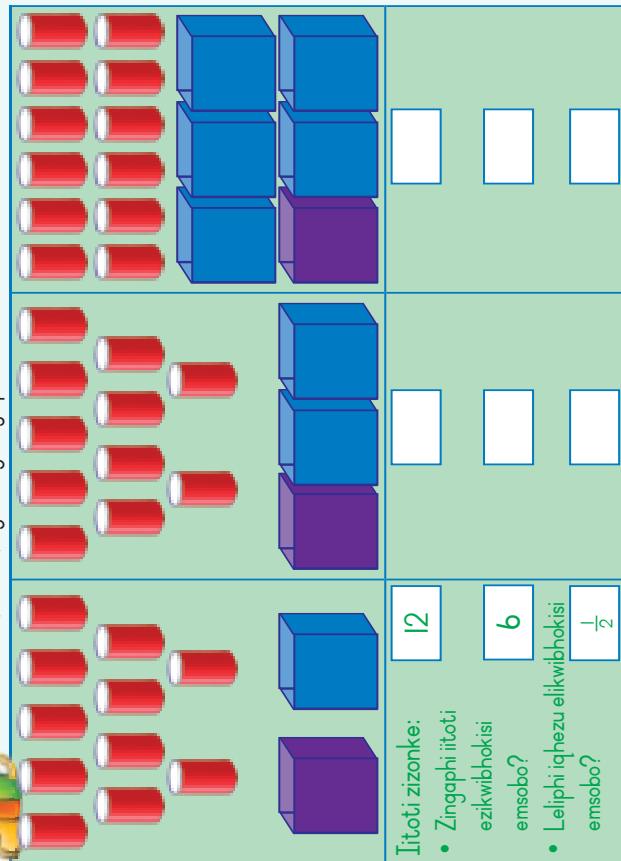
c. Leliphi iqhezu elikhulu, sisi - $\frac{1}{2}$ okanye yi- $\frac{1}{4}$?

1 2 3 4 5 6 7 8 9 10

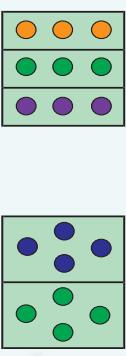
11 12 13 14 15 16 17 18 19 20

Amaqhezu: iziqingatha, izithathu nezithandathu

Yohlula iitoti (isiilinda) ngokulunganayo phakathi kwebbokisi.



Jongai imfanekiso uze uphendule imibuzo.



Zingaphri izangqa ozibalyo?

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

- Nikai $\frac{1}{3}$ sezangqa?
 Nikai $\frac{2}{3}$ sezangqa?
 Nikai $\frac{3}{3}$ sezangqa?
 Nikai $\frac{4}{6}$ sezangqa?
 Nikai $\frac{5}{6}$ sezangqa?

Nika i $\frac{1}{6}$ sezangqa?

Nika i $\frac{2}{6}$ sezangqa?

Nika i $\frac{3}{6}$ sezangqa?

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

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

Biyelungesangqa iqhezu elikhulu.

-

a. $\frac{1}{2}$ $\frac{1}{3}$

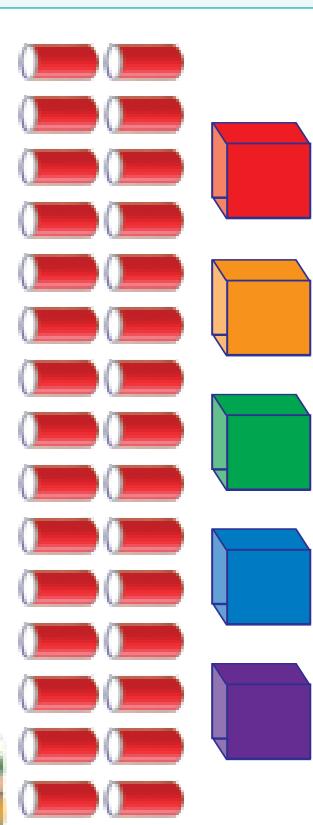
b. $\frac{1}{2}$ $\frac{1}{6}$

c. $\frac{1}{2}$ $\frac{2}{6}$

Amaqhezu: izihlanu

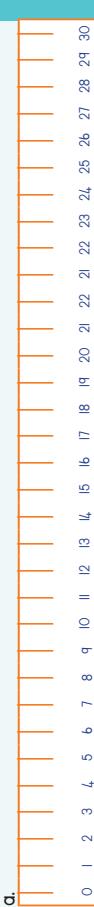
Yahulu iitoti zingene kwiibholisi ezi - 5.

Ikota yesi-2



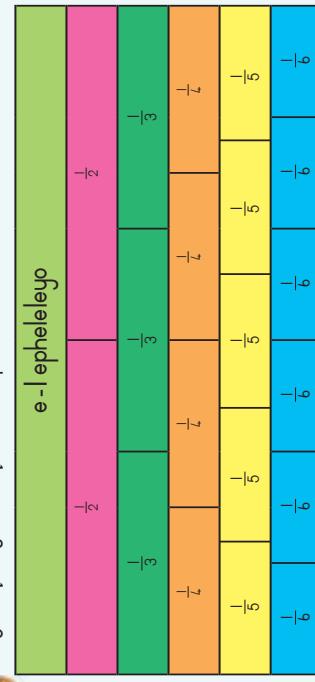
- Kwizihlanu esinye seebhokisi kukho iitoti ezi 6 .
- Kwizihlanu ezibini zeebhokisi kukho iitoti ezi .
- Kwizihlanu ezithathu zeebhokisi kukho iitoti ezi .
- Kwizihlanu ezine zeebhokisi kukho iitoti ezi .
- Kwizihlanu ezihlanu zeebhokisi kukho iitoti ezi .

5q



Fakelumbala kwi- $\frac{1}{5}$ serula yokullinganisa

Jongaiiziqwengaq zamaqhezuze uphendule imibuzo.



e - lepheleleyo

Jongaumfankiso 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
- Ngosuku lokaqala ndatuya esinuje isi - $\frac{5}{5}$ seetshokolethi. Zingaphi liitshokolethi ezishiyekleyo?
- Ngosuku lwebibini indatuya esinuje isi - . Zingaphi liitshokolethi ezishiyekleyo?



Biyela ngesangqa sikhulu- okanuje sincinci-

- a. $\frac{1}{2}$ sikhulu / sincinci kune - $\frac{1}{4}$.
- b. $\frac{1}{3}$ sikhulu / sincinci kune - $\frac{1}{6}$.
- c. $\frac{1}{5}$ sikhulu / sincinci kune - $\frac{1}{10}$.
- d. $\frac{1}{6}$ sikhulu / sincinci kune - $\frac{1}{12}$.
- e. $\frac{3}{6}$ sikhulu / sincinci kune - $\frac{2}{12}$.



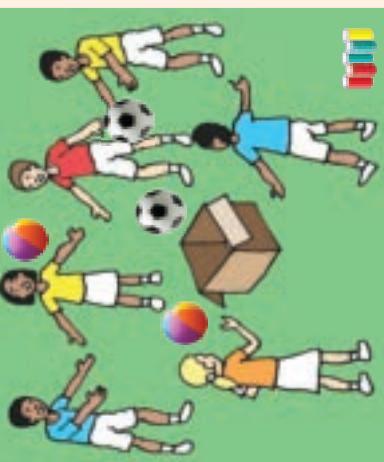
11 12 13 14 15 16 17 18 19 20

1 2 3 4 5 6 7 8 9 10

Umhlo.

Umhlo.

Izinto ezinemililinganisele emi-3 (3D)



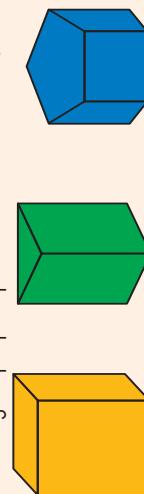
- Bala iibhokisi (iprizmu)
 Bala iibhola (ingqakumba)
 Bala iiislinda



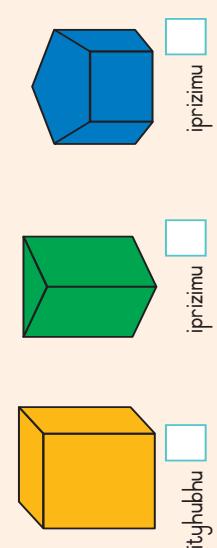
Ikota yesi-2

Zonke ezi zinto ziibhokisi

Zenze ngamaphephapha qaphuma ku Miski 3 no Miski 4.



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



Inqaba iimbuza zeprizmu zimcaba okanye zigobile?

Yenza ke ngoku isilnda ngaphephapha lo Miski 4.
 Inqaba iimbuza zesilinda zimcaba okanye zigobile?



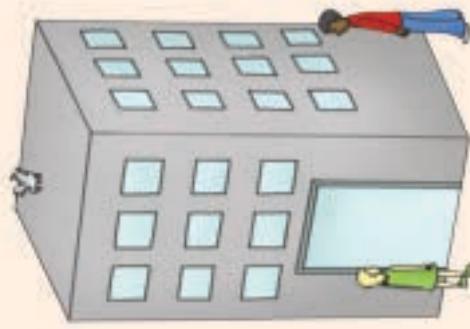
60

Sebenzisa izinto zakho wakhe oku kulandelayo.

Chaza indawo yesilinda usebenzise la magama.

Ecaleni Ngaphambili Ngaphezelu 

Sebenzisa amagama angezantsi ugqibezeli izivakali



Intombazana jonge ku _____ wesakhwi.

Indada jonge kw _____ lesakhwi.

Intaka jonge ku _____ wesakhwi

calal mphezelu mpambili Teacher:
Sign:
Date:

Umhlo.



Umhlo.



62

Okunye ngokuphinda kabini nokwahlula kubini

Khangela uphindaphindo kabini okanye iziqingatha



Lkota yeshi-2

- c.

d.

e.

f.

Gcina imali yokuthenga
libhaujisekile

UNtsasa ugicina ama -R25 ng'eveki ukuze athenge ibhayisekile. Kufuneka agcine imali iiveki ezingaphi?

Impendulo: iiveki

ntenqiso



UNtsasa ugçina ama -R25 ngeveli ukuze athenge ibhayisekile. Kufunka aqçine imaliiveki ezingaphi?

onke izinto eithengiswayo zithengiswa a ngesiqingotha exabiso. Bhalid ixabiso lentengisjo kufutshane nento thengiswayo.

- | | | |
|----|---|---|
| a. | Ingubo R190
Ixabiso lantengiso _____ |  |
| b. | Amashiti R154
Ixabiso lantengiso _____ |  |
| c. | Imiqamelo R54
Ixabiso lantengiso _____ |  |
| d. | Izitulo R220
Ixabiso lantengiso _____ |  |

Ixabiso elisisiqingatha:
ihixahisa R900

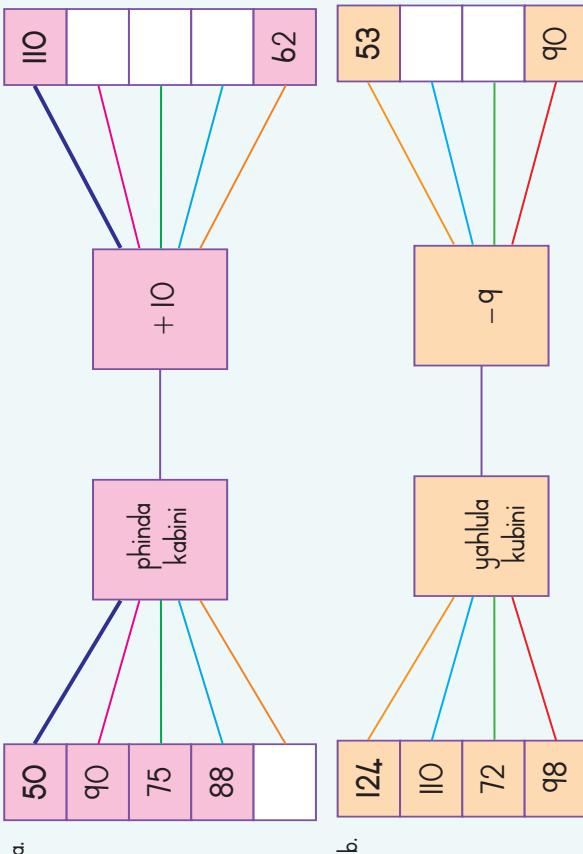


USezenzo ufunaihempe. Unesiqingathasixakuphela.

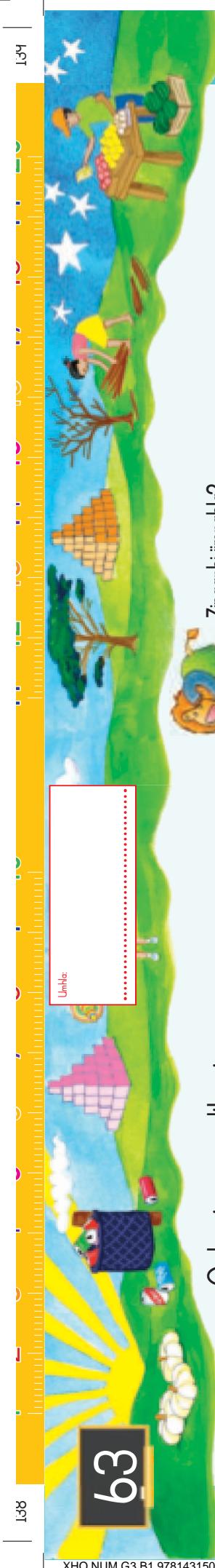
- | | | | |
|---|--|--|--|
|  <p>USezenzo u funa ihempe. Unesiqiangatħha sesixa k uphela.
R135</p> |  <p>Kufuneka abe namalini ngok? R _____
R78,50</p> |  <p>Izihlangu zikkaSiko zibiza kabini kunezi.
Zibiza malini izihlangu zikkaSiko? R _____
R97</p> |  <p>Ilokħwe kaPhindi ixabisa kabini kuneli ixabiso.
Ingabaliokħwe kaPhindi ixabisa malini? R _____</p> |
|---|--|--|--|

Kungena ntöni? Kuphuma ntöni?
andela umzekelo. Gcwala is amanani ashiyelelwéy

Landela umzekele o. Ucwalis a amanani ashiyelelweyo.



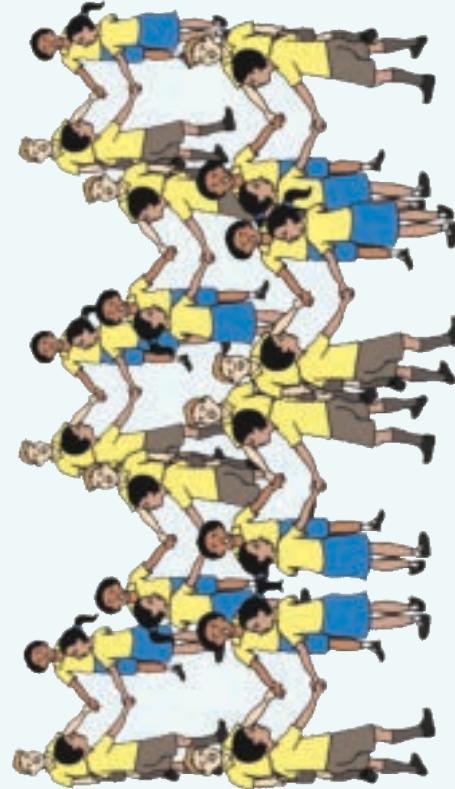
139



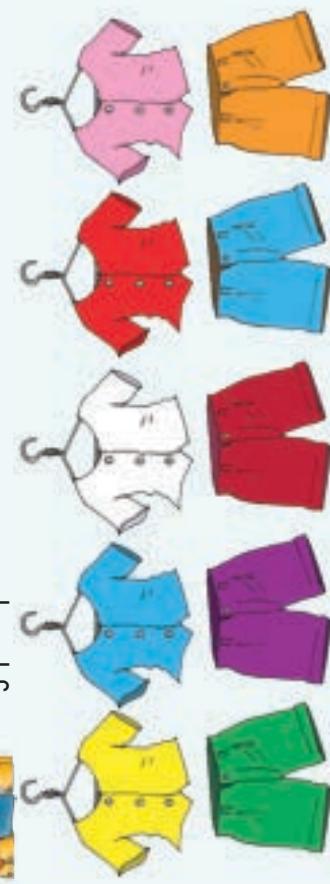
Qukanisa uze udibaniise

Qukanisa abantwana

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



Zingaphi iimpahla?



Uphindu uneehempe ezi -5 ezimbaldala neebhulukhwe ezimfutshane ezimbaldala ezi -5. Zingaphi iimpahla ezahlukenejo anokuzenza edibaniisa imibala eyahlukenejo?

Umzekelelo: Thempe ezuba/bhulukhwe emfutshane ngamnye. Bonisa zonke ezinje iimpahla ezinhawenziwa.

Bhalaunobumba wokuqala wombala ngamnye. Bonisa zonke ezinje iimpahla ezinhawenziwa.

- Bala abantwana.
- Wenza amaqela amangaphi?
- Bonisa zonke ezinje iindelalauNkosikazi Ndaba anokuzisebeniza ukwenza amaqela abantwana.



Teacher:
Sign:
Date:

Qaphela. Thelekisa.
Lunjisa.

b

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

1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

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Ukunwaba ngezibalo

Khanelala umthetho

Sebenzisa umthetho ukuze ufunane amanani angekhojo.



Ikota yesi-2

Khanelala amanani

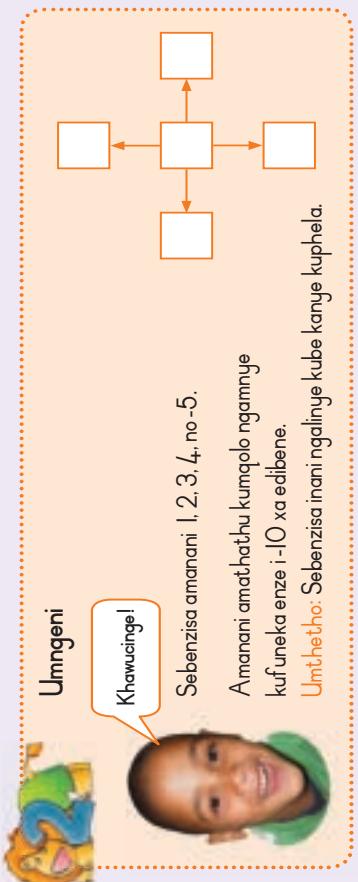
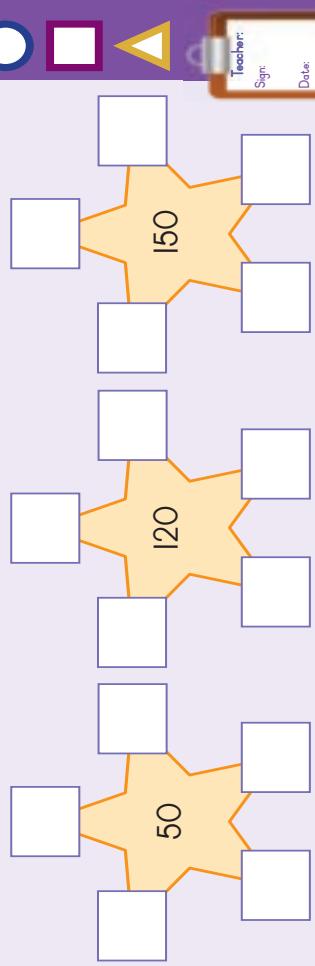
a. Umthetho: Amanani akumqolo ngamnye kufuneka amike isiphumo esili -16 edibene.

2	5	3	6
			2

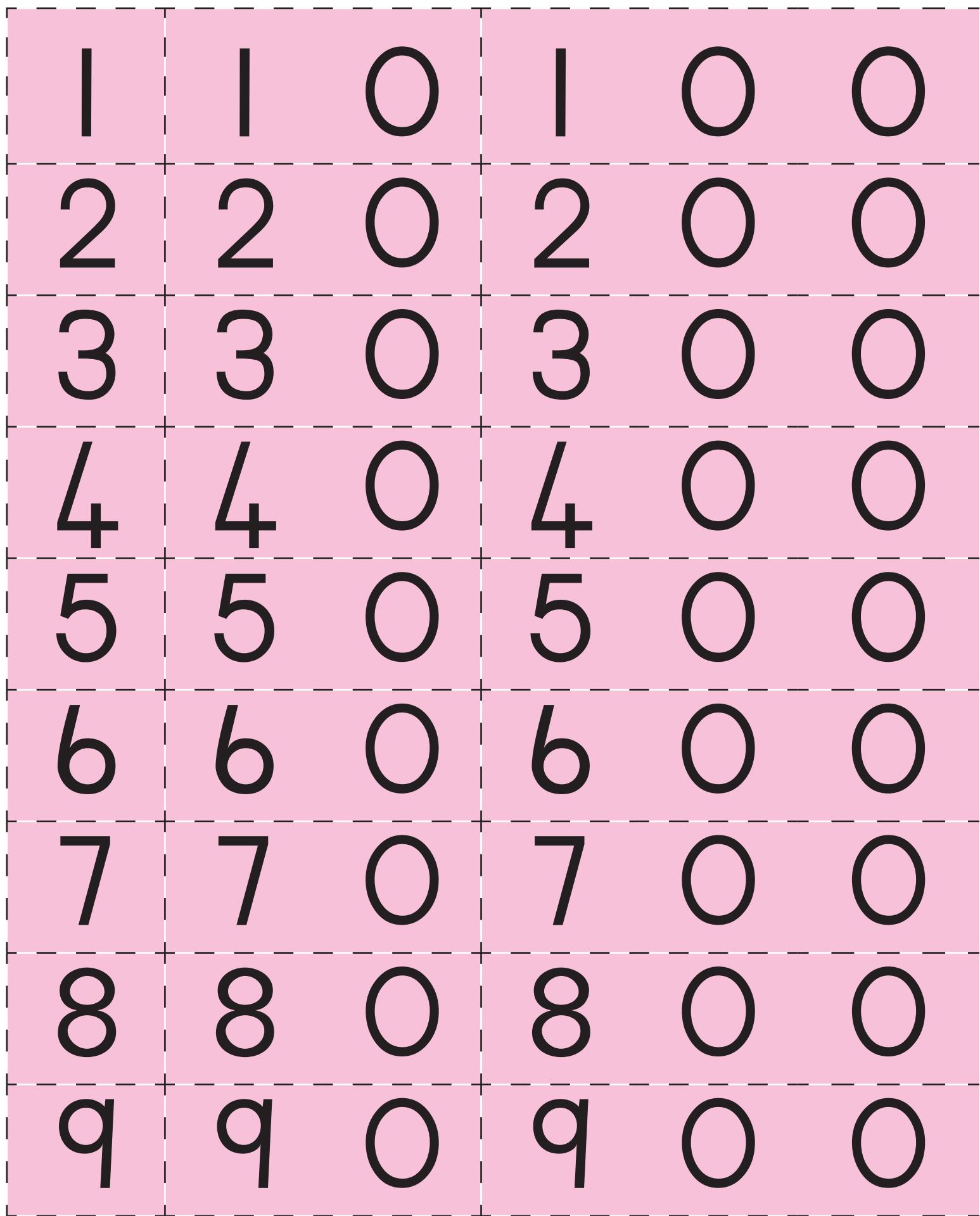
b. Umthetho: Amanani ama-3 kwimiqolo exwesileyo nadwikkholamu ezihlayo mawanike isiphumo esifanayo xo edibene.

2	7	6
q		1
	3	8

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

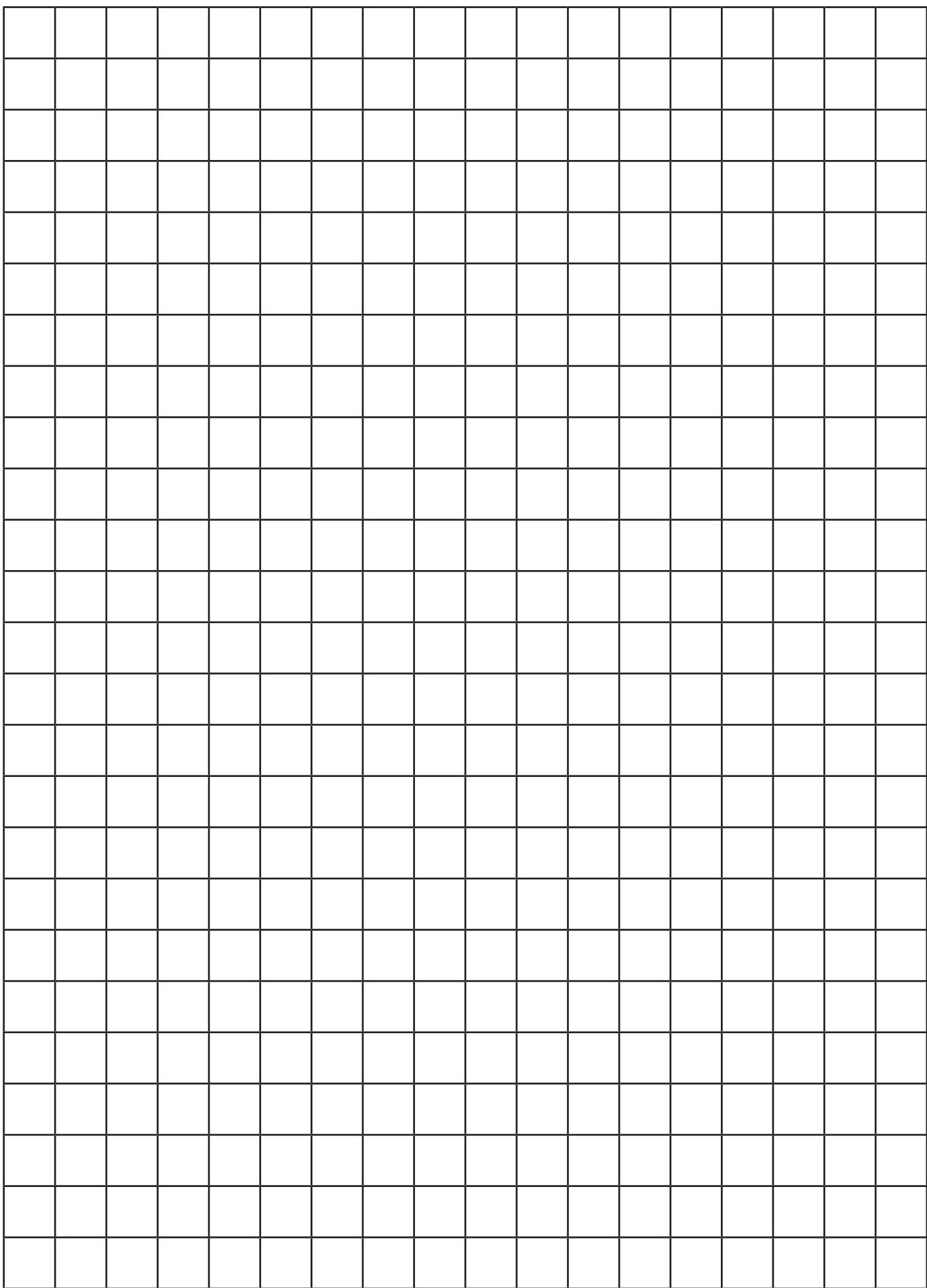
5 O O 5 O 5

6 O O 6 O 6

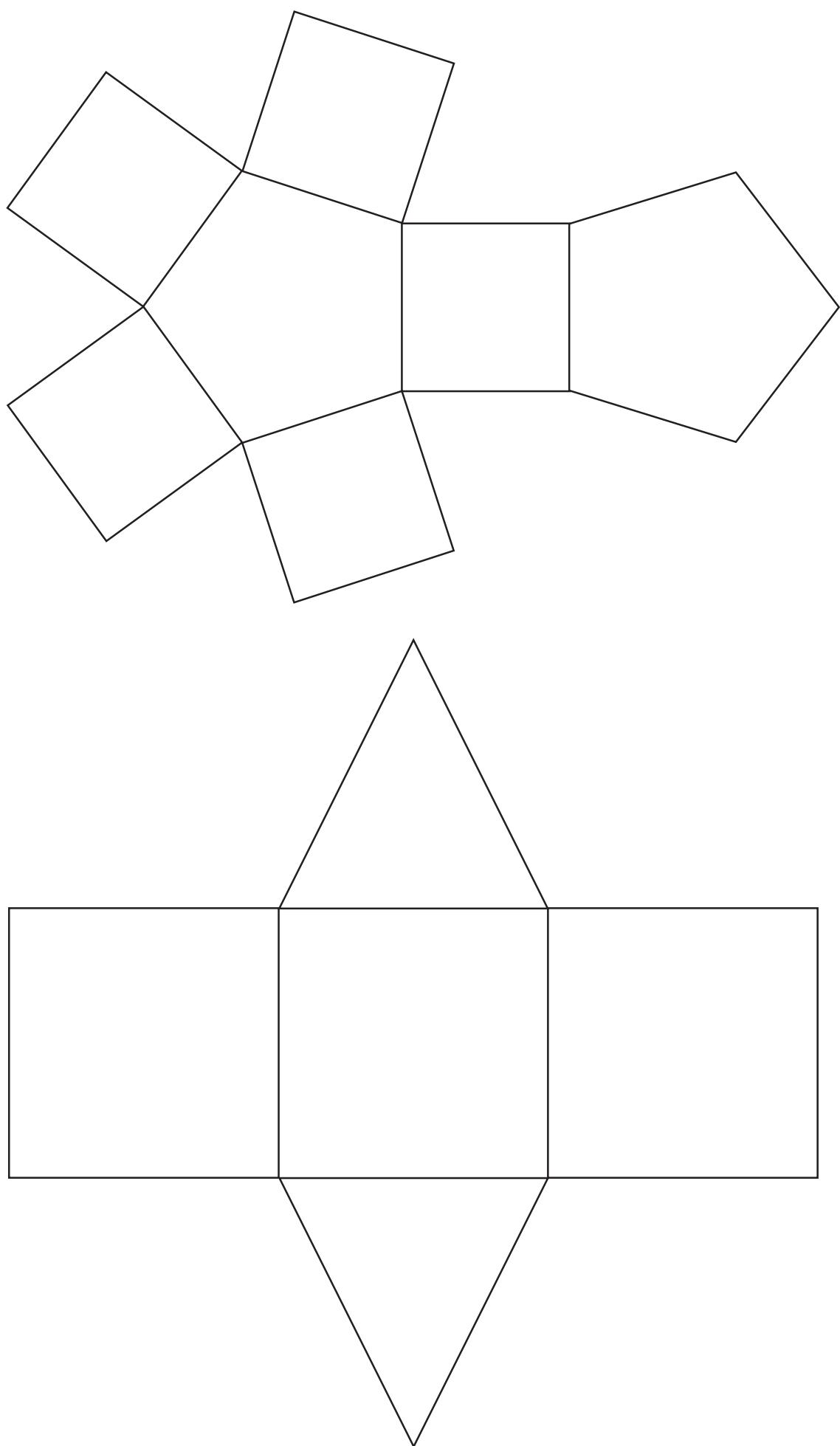
7 O O 7 O 7

8 O O 8 O 8

q O O q O q



Cut-out 3



Cut-out 4

