

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

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7th Edition

ISBN 978-1-4315-0006-2



1 2 3 4

Ukufunda ngoMgaqo-siseko weRiphablikhi yoMzantsi Afrika (1996)

Umgao-siseko weli loMzantsi Afrika (1996) uqulethe eyona mitetho yongameleyo yeli lizwe. Le mitetho ingaphezelu komongameli welizwe, ngaphezelu kweenkundla zamatala nangaphezelu kukarhulumente.

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

Masiyazi imvelaphi yethu.

Masingaphindi iimpazamo zexesa elidilulileyo.

Umgao-siseko wethu uyasinceda 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 nokupuhlisa ilizwe lethu; kwaye Sikholelw ekubeni uMzantsi Afrika ngowethu sisonke thina sihlala kuwo, simanyene nangani siziintlobo ngeentlobo.

Thina ke ngoko, ngabameli bethu abanyulwe ngokukhululekileyo, siyawuvuma lo mGaqo-siseko ukuba ungowona mthetho wongameleyo weRiphablikhi ukue—

Ungcibe udibaniye izantlukwano zangaphambili uze wakhe uluntu olusekwe kwizithethe ezixabisekileyo zedemokhrasi, ubulungisa kwezentlalo namalungelo abantu asisiseko;

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

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

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

Wabange amalungelo a kho njengommi weli loMzantsi Afrika kwaye nawe uluthathole kuwe uxanduva lokukhusela amalungelo aba nye.

Wazi amalungelo akho noxanduva lwakho.

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

IMATHESIKA NGESIXHOSA – Ibanga lesi-3 Incwadi yoku-1

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Igama:
Iklasi:

MATHEMATIKA NGESIXHOSA

Incwadi yoku-1
Ikota 1 & 2



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UNksk. Angie Motshekga,
uMphathiswa wemfundo
esisiSeko



UMnu. Enver Surty
uSekela Mphathiswa
wemfundo esisiSeko

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

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



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Ibanga
lesi-**3**



Imathematika NGESIXHOSA

Le ncwadi yeka:-



ISIXHOSA

Incwadi
yoku-

I



Umhla:

.....

Ikota yoku-
I



Zingaphi iinkwenkwezi?

Thelekisa iimpendulo.



Qikelela ukuba zingaphi iinkwenkwezi. _____

Zibale ke ngoku. _____



Fumana ukuba ngubani ophumeleleyo!

Ngubani oqikelele ngokusondeleyo?

Fakani amagama neempendulo zenu phakathi kule theyibhile.

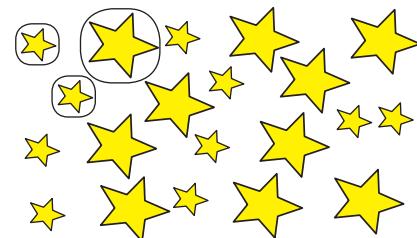
Igama				
Uqikelelo				
Inani elibaliweyo				
Umahluko phakathi koqikelelo lwakho kunye nenani elibaliweyo				



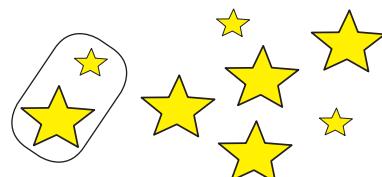
Iindlela zokubala. Sincedise sibhale phantsi.



Ndibale
ngoononye



1, 2, 3, _____



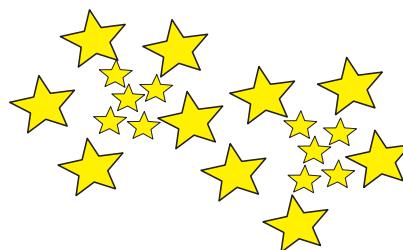
Ndibale
ngezibini.



Ndibale
ngezihlanu.



5, _____



Ndibale
ngamashumi.



Bhala izivakalisi zamanani.

Bala inani leenkwenkwezi ezinkulu nezincinci
ezikumfanekiso okwiphepha 2.

Zibhale ngeendlela ezimbini.

Inkulu Incinci Ngolu hlobo

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

nanjengesivakalisi samanani.

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

Ayinamsebenzi 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

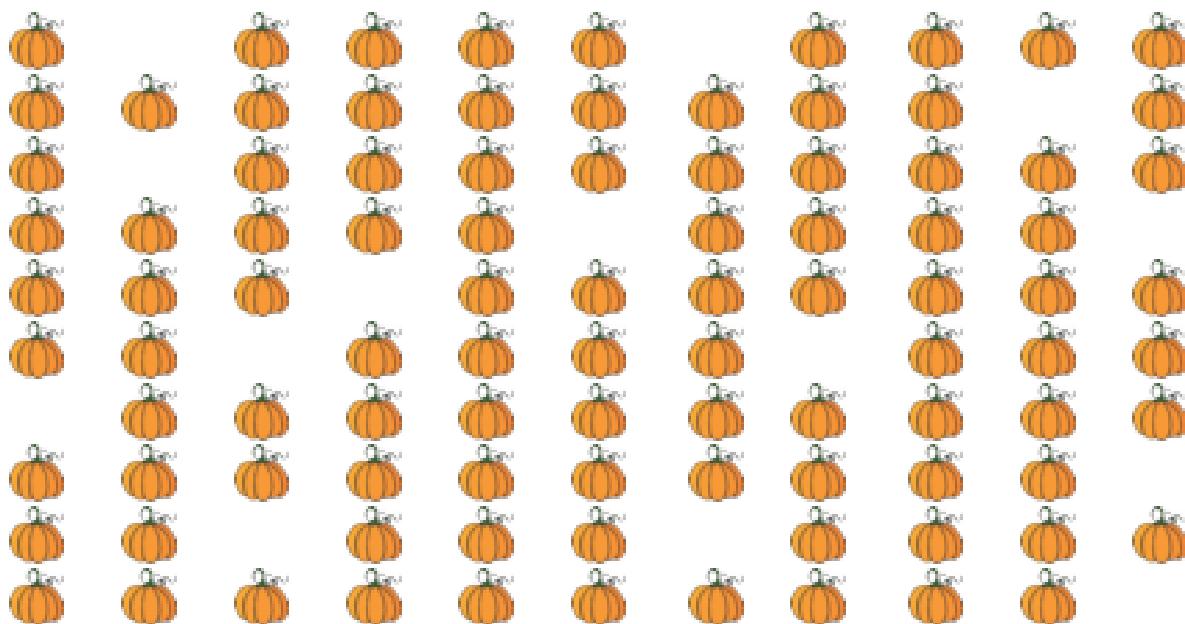


Ikota yoku-
l

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)

Gqibezela izivakalisi-manani.

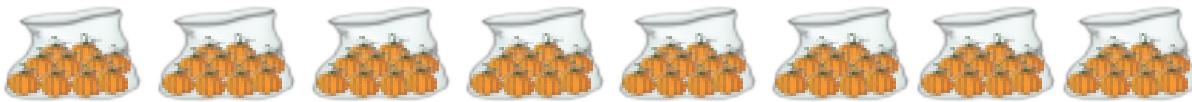
Umzekelo:

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



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

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

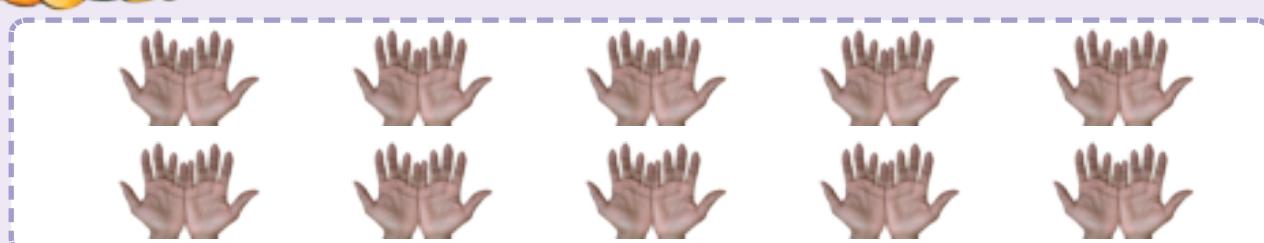


b. $10 + 10 + 10 + 10 + 10 + 10 + 10 = \underline{\hspace{2cm}}$

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



Izandla neminwe



Zingaphi izandla?

Mingaphi iminwe?

Bhala impendulo yakho ngeendlela ezi-2.

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



11 12 13 14 15 16 17 18 19 20

3a

Umhla:

Ikota yoku -



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

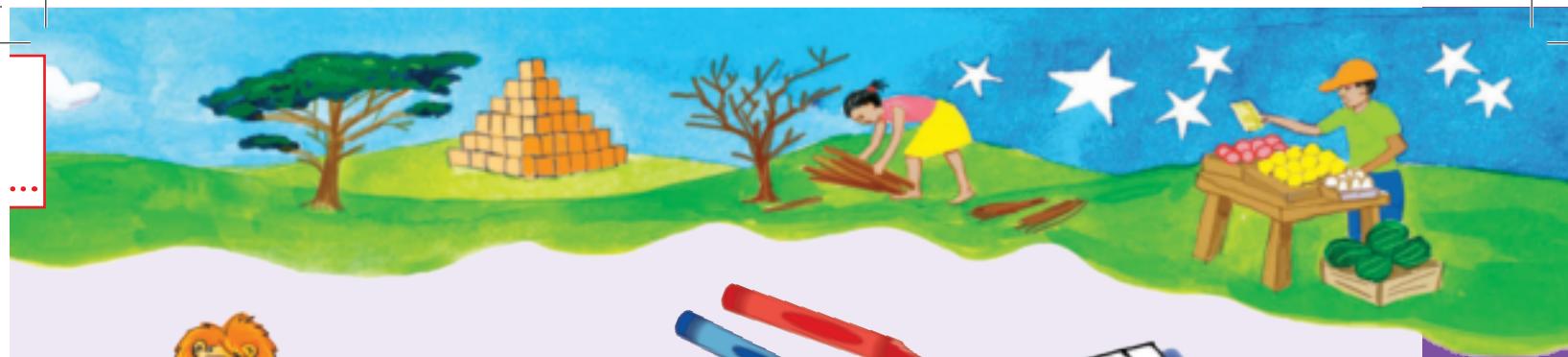


- Bhala amanani ashiyelelweyo kwibloko nganye ezuba.
- Bhala amanye amanani.
- Amanani amthubi aloluphi uhlobo lwamanani?



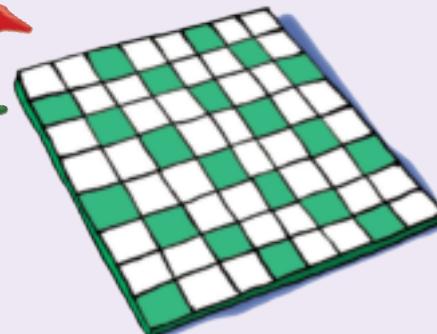
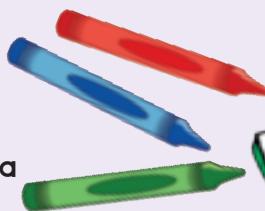
Bhala la manani ngamagama.

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 12 13 14 15 16 17 18 19 20

3b

Umhla:

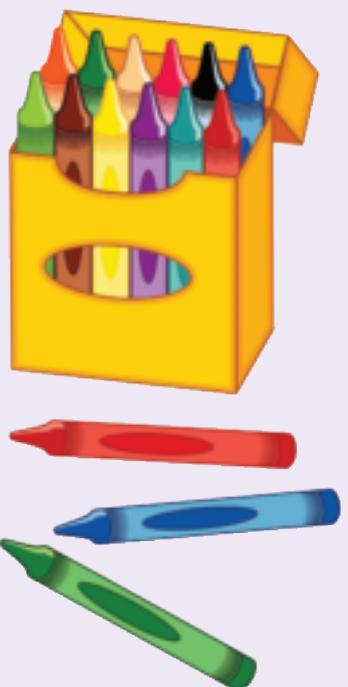
Ikota yoku - I

Amanani akwibhodi yamakhulu (asaqhutywa)



Funa iipatheni

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



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

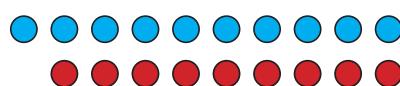
54

35

1 0
q



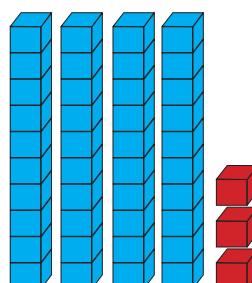
1q



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.

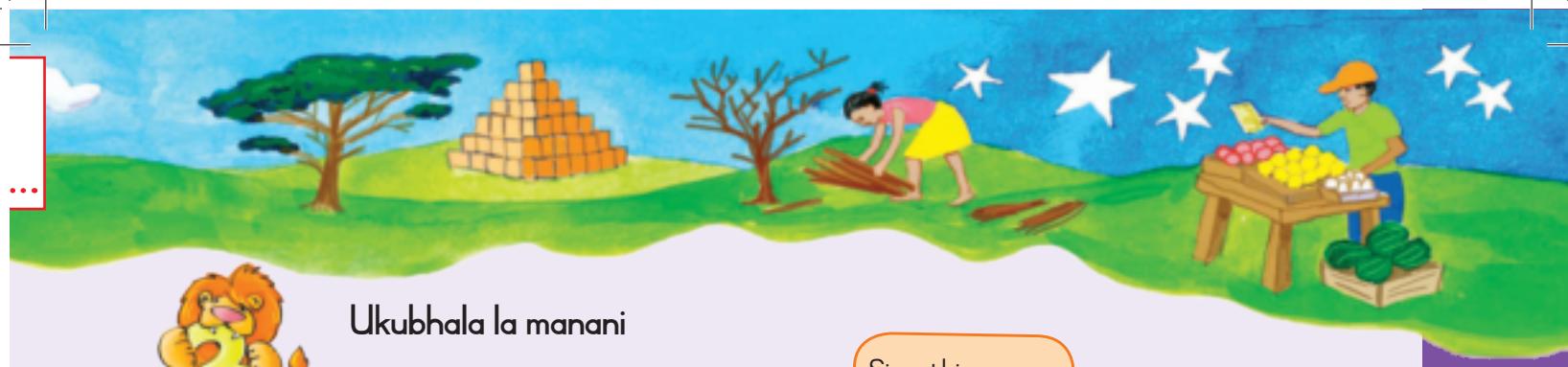
54

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			



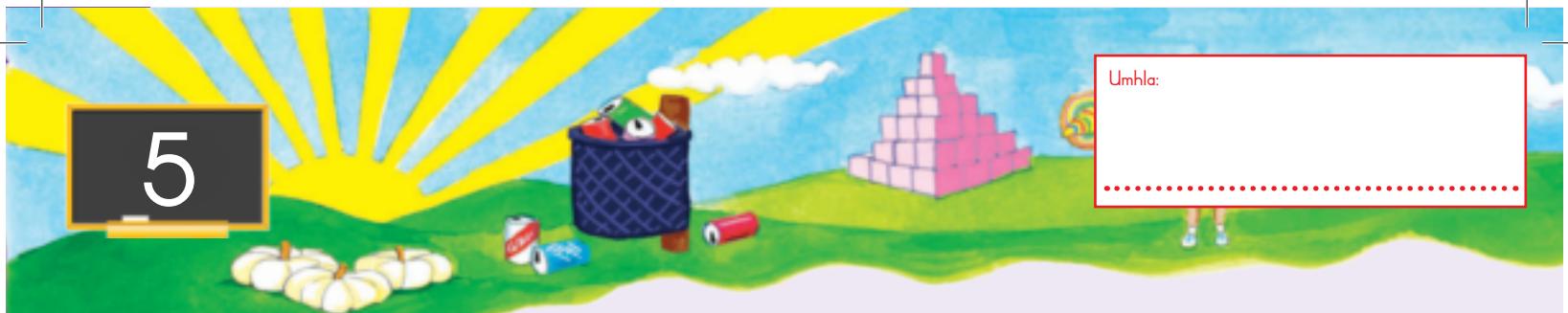
Bhala amanani okuqala amahlanu kwitheyibhile engentla
ngokulandelelana, uqale kwelona lincinci uye kwelona likhulu.

_____ ; _____ ; _____ ; _____ ; _____



11 12 13 14 15 16 17 18 19 20

5



Umhla:

.....

Ukudibanisa nokuthabatha



uLebo mde

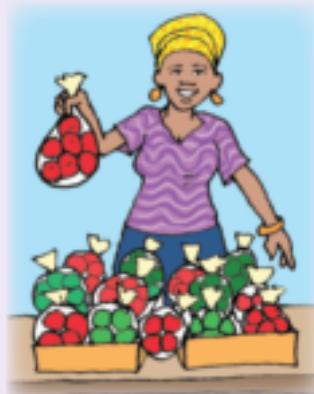
uLebo uneepakethe zama-apile ezili-19 ekuseni.

Ushiyekelwa ziipakethe ezili-13 ngexesha lesidlo sasemini.

a. Uthengise iipakethe ezingaphi uLebo? _____

b. Bhala impendulo yakho ibe sisivakalisi samanani.

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



Bhala ezinye izivakalisi zamanani ezihlalu ubonise kwale mpPENDULO inye.

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



Ukuziqhelisa amanani

Bhala iiimpendulo.

$$1 + 2 = 3$$

Sebenzisa ...
+ - =

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



Amanani azalanayo

5 9 14

Nantsi imizekelo yolu sapho lwamanani.

$$9 + 5 = 14$$

$$5 + 9 = 14$$

$$14 - 9 = 5$$

$$14 - 5 = 9$$



Ungakwazi ukufumana onke amanani osapho lwe -I4?

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



Ndiza kwenza
ngokufanayo nge-I2.

I2

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



II I2 I3 I4 I5 I6 I7 I8 I9 20

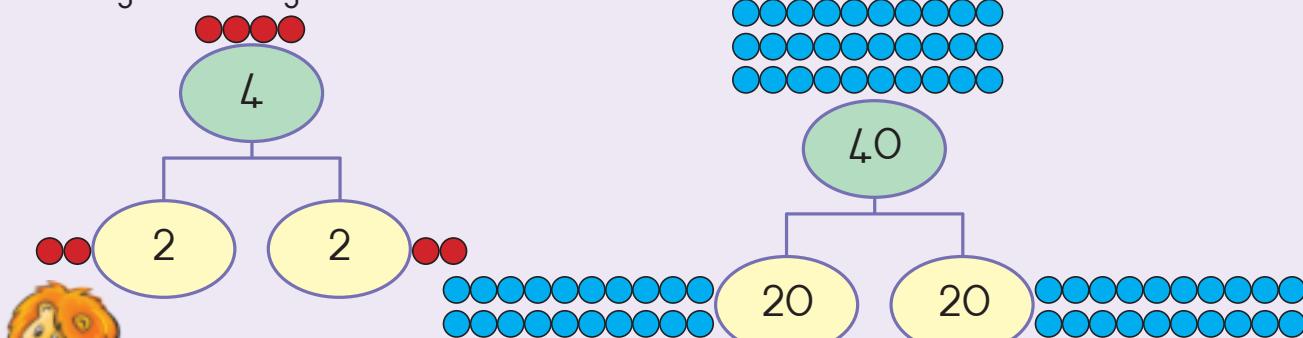
Amanani aphindaphindwe kabini neziqingatha

Usakhumbula?

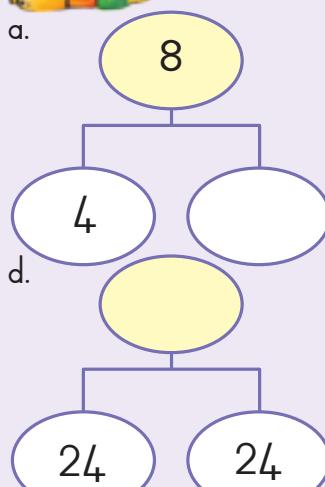
u-2 sisiqingatha sika-4
u-4 ngu-2 ophindwe kabini

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

Oku singakubonisa ngomzobo ...



Funa amanani aphinda-phindwe kabini okanye iziqingatha



Umngeni

Nika isiqingatha sesi-3.

Bonisa ngokwenani okanye igama lenani. Umzobo ungakunceda.

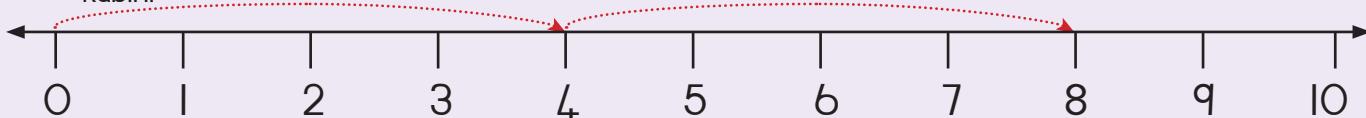


Phinda inani kabini usebenzise umgca manani.
Sikwenzele umzekelo wokuqala.

a. Phinda isi-4
kabini

+

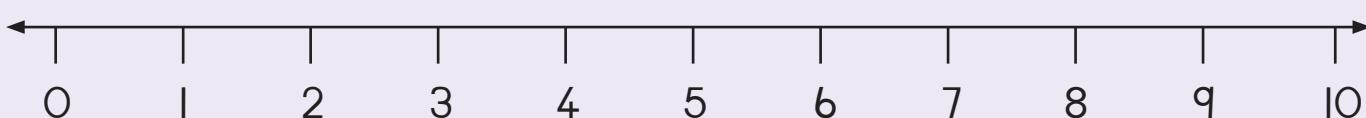
$$= \boxed{8}$$



b. Phinda isi-5
kabini

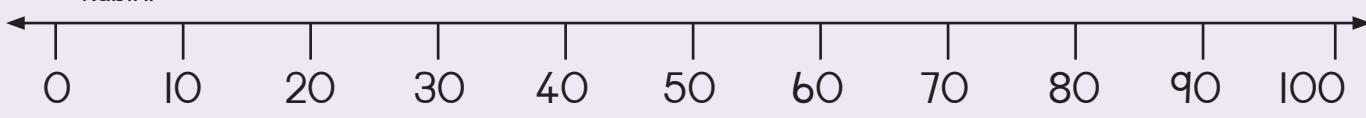
+

$$= \boxed{}$$



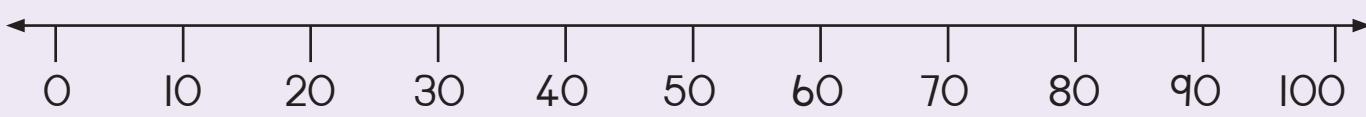
c. Phinda
ama-20
kabini

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



d. Phinda
ama-40
kabini

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



Gqibezela oku



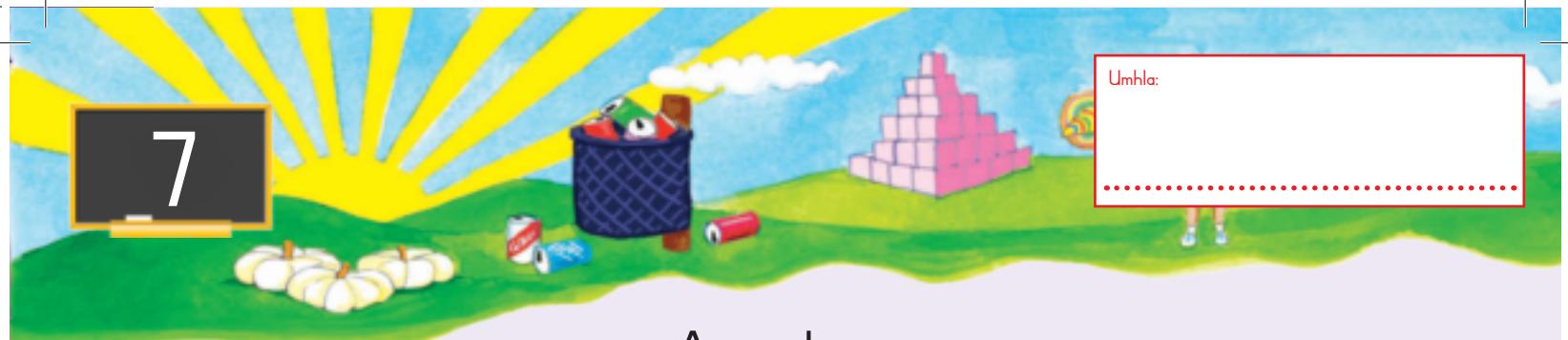
Gqibezela oku

a. Phinda u-1 kabini	<input type="text" value="2"/>
b. Phinda isi-6 kabini	<input type="text"/>
c. Phinda i-10 kabini	<input type="text"/>
d. Phinda ama-30 kabini	<input type="text"/>
e. Phinda ama-50 kabini	<input type="text"/>

a. Yahlula kubini isi-6	<input type="text" value="3"/>
b. Yahlula kubini isi-8	<input type="text"/>
c. Yahlula kubini i-14	<input type="text"/>
d. Yahlula kubini ama-60	<input type="text"/>
e. Yahlula kubini ama-70	<input type="text"/>



7



Umhla:

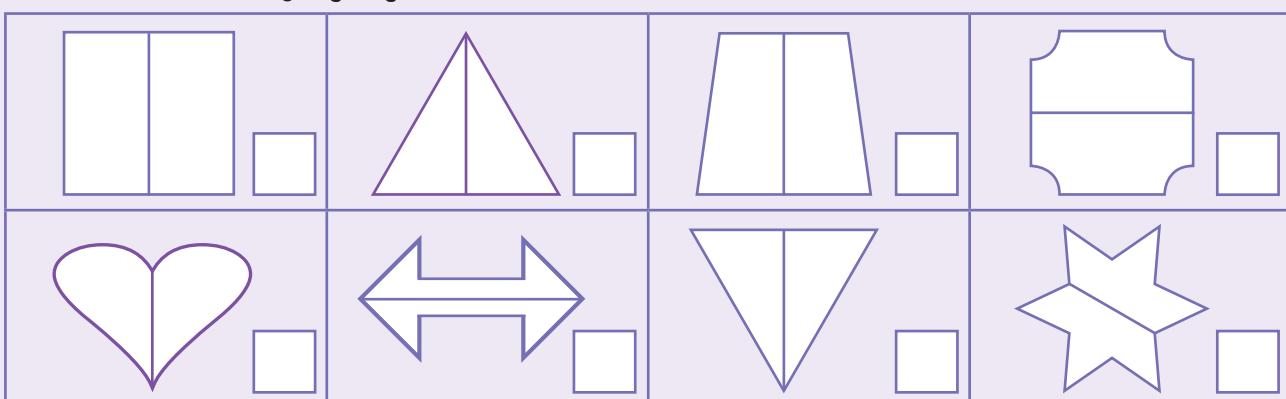
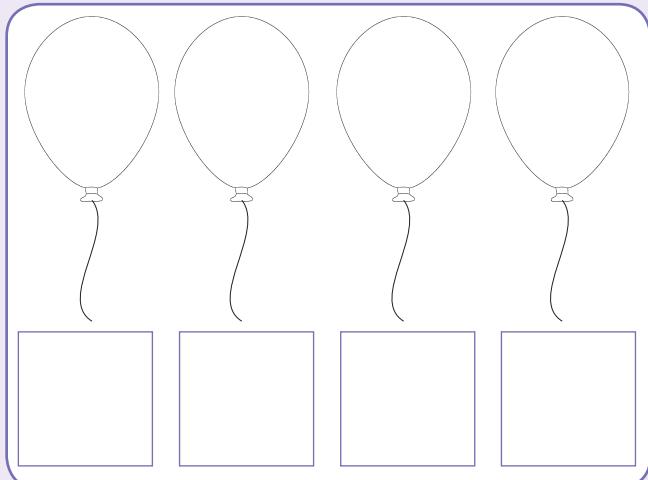
Amaqhezu

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



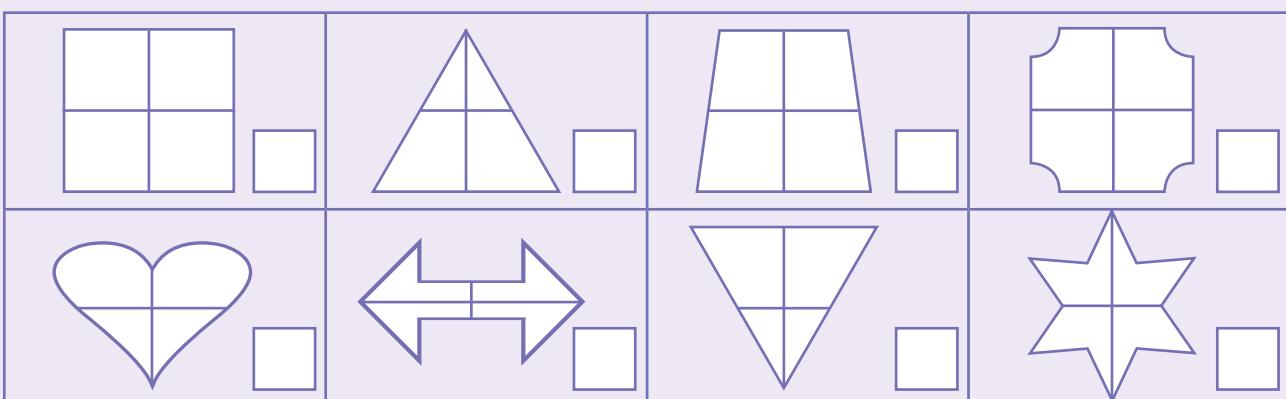
Jonga iimilo. Phawula (✓) iimilo
ezibonisa iziqingatha.

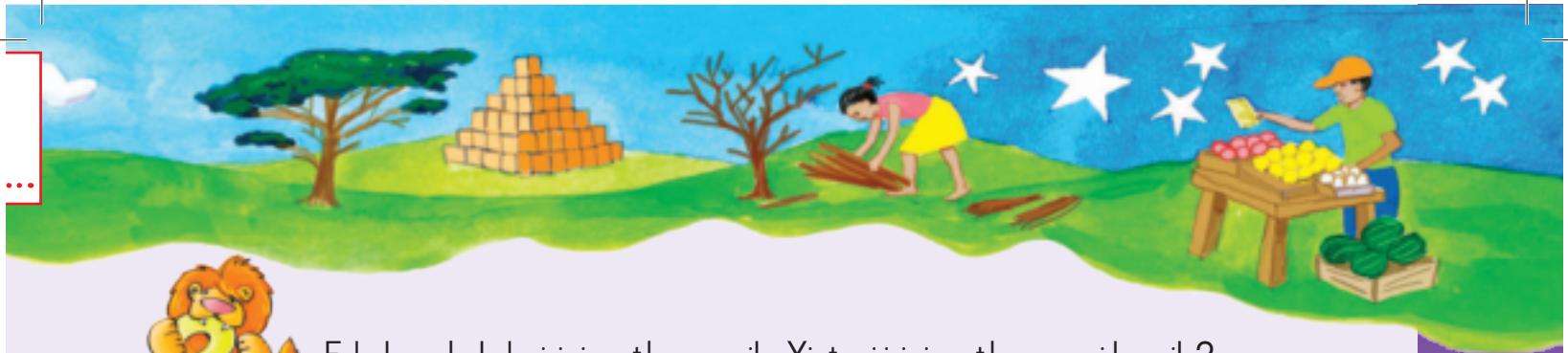
Fakela umbala kwisiqingatha
semilo nganye eyahlulwe kabini.



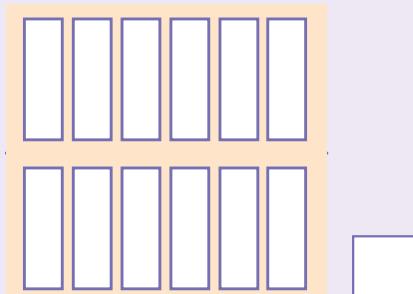
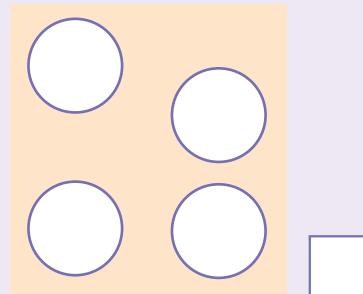
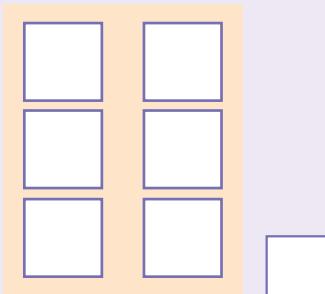
Jonga iimilo. Phawula (✓) iimilo ezibonisa iikota.

Fakela umbala kwikota yemilo nganye eyahlulwe yaziikota ezilinganayo.

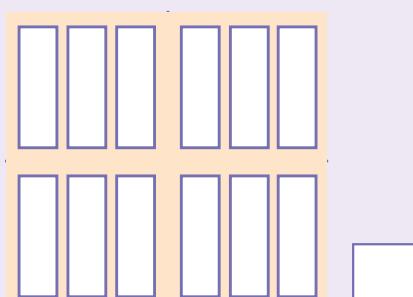
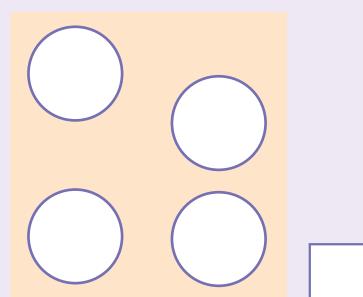
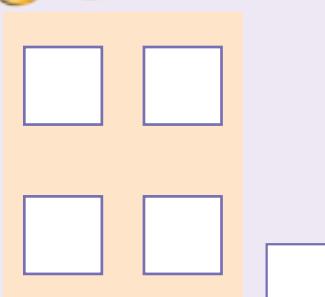




Fakela umbala kwisiqingatha seemilo. Yintoni isiqliqathaa senani leemilo?



Fakela umbala kwikota yeemilo. Yintoni ikota yenani leemilo?

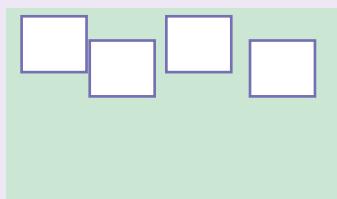
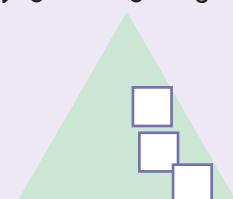
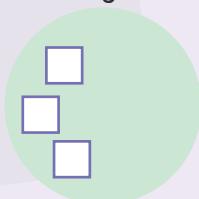


Bhala ngokophawu lweqhezu. iziqliqathaa

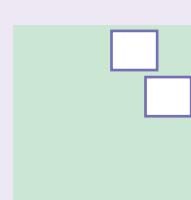
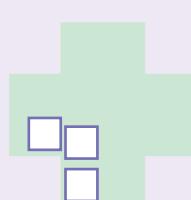
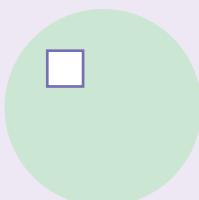
iikota



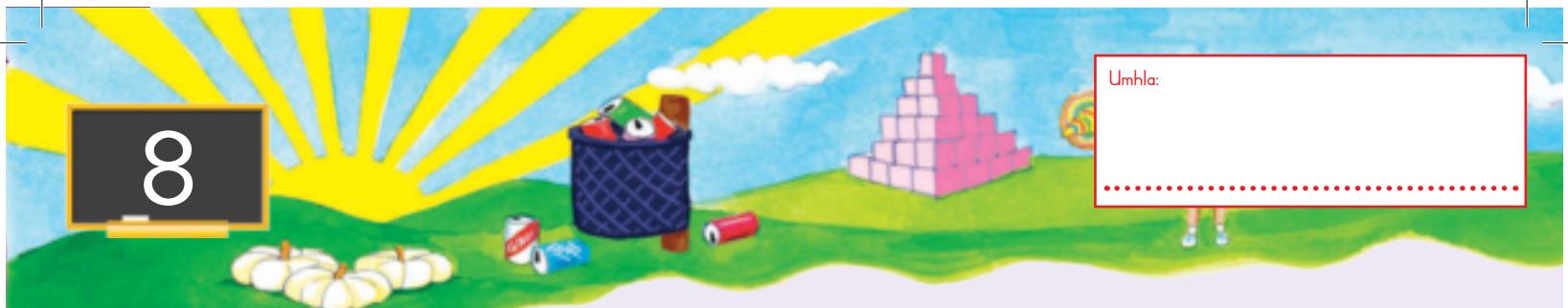
Zoba ezinye iimilo wenze isiqliqathaa ngasinye silingane.



Zoba ezinye iimilo wenze ikota nganye ilingane.



11 12 13 14 15 16 17 18 19 20



Umhla:



Ukuhlela imali



Umgalelo

UMaLubisi ubala aze ahlele imali ayifumene kwiqela.



Qikelela imali edityanisiweyo. R _____

Bala imali. R _____

Thelekisa uqikelelo
kunye neetotali.

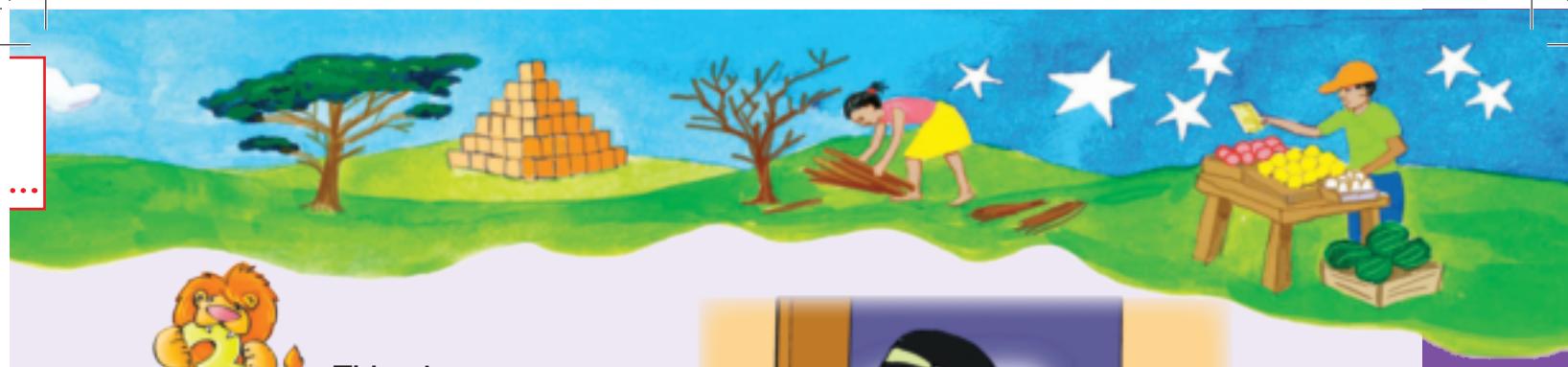


Ukugcina imali

UGugu ugcina imali yokuthenga izihlangu ezixabisa ama -R89.

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





Ebhankini

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



Iyonke

	R _____
	R _____
	R _____



Umngeni

Utyelelo kumzi wezilwanyana

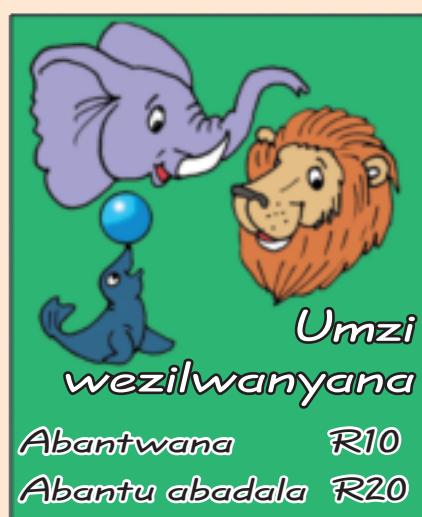
Abanye abantu kune nabantwana baya kumzi wezilwanyana. Bathenga amatikiti axabisa ama -R90.

Bangaphi abantu? _____

Bangaphi abantu abadala? _____

Ingaba ikhona enye impedulo?

Abantu abadala _____ Abantu _____





Umhla:

.....

Ikota yoku - I



Iipatheni

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

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	I20
I2	I22	I23	I24	I25	I26	I27	I28	I29	I30
I3	I32	I33	I34	I35	I36	I37	I38	I39	I40
I4	I42	I43	I44	I45	I46	I47	I48	I49	I50
I5	I52	I53	I54	I55	I56	I57	I58	I59	I60
I6	I62	I63	I64	I65	I66	I67	I68	I69	I70
I7	I72	I73	I74	I75	I76	I77	I78	I79	I80
I8	I82	I83	I84	I85	I86	I87	I88	I89	I90
I9	I92	I93	I94	I95	I96	I97	I98	I99	I200



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.

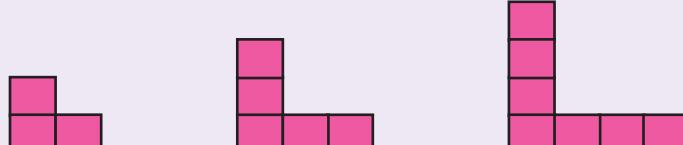
									10



Yandisa ipatheni.









10

Umhla:

Ikota yoku - I

Iibhola, iibhokisi kune neesilinda



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



Fakela umbala kwimpendulo echanekileyo.



Ibhokisi

iyatyibilika



Isilinda

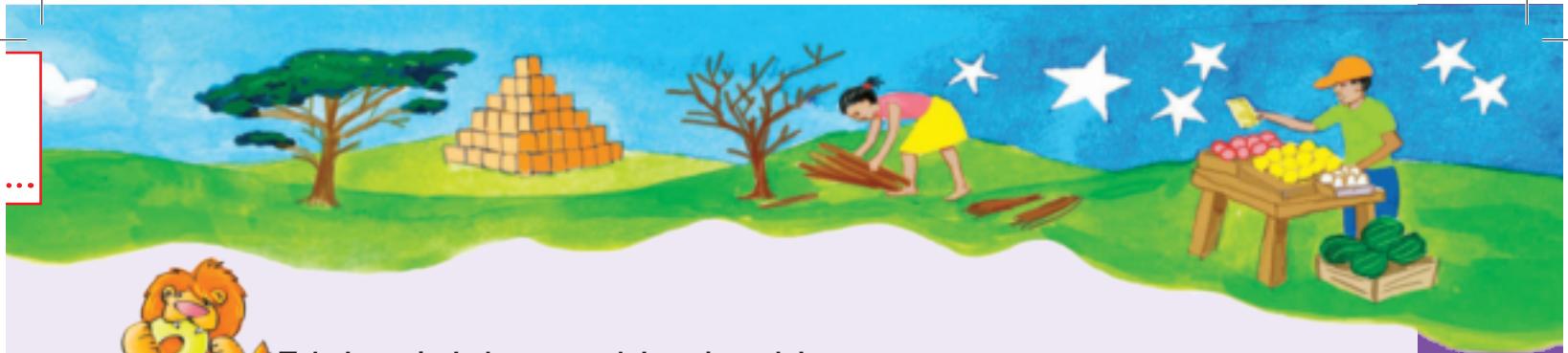
iyatyibilika



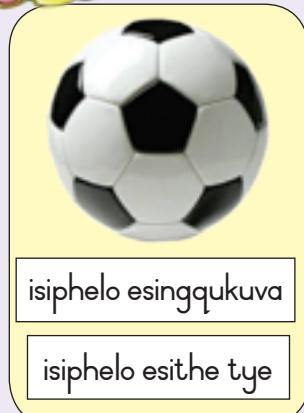
Ibhola

iyatyibilika

iyaqengqeleka



Fakela umbala kwimpendulo echanekileyo.



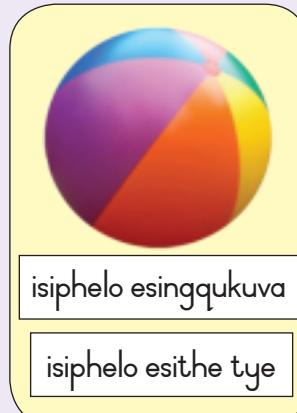
isiphelo esingqukuva
isiphelo esithe tye



isiphelo esingqukuva
isiphelo esithe tye



isiphelo esingqukuva
isiphelo esithe tye



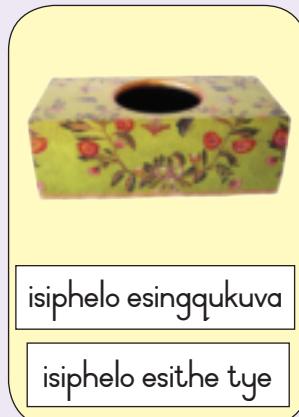
isiphelo esingqukuva
isiphelo esithe tye



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
isecaleneni	ingaphezulu



ingasemva	ingaphambili
isecaleneni	ingaphezulu



ingasemva	ingaphambili
isecaleneni	ingaphezulu



ingasemva	ingaphambili
isecaleneni	ingaphezulu





Umhla:

.....

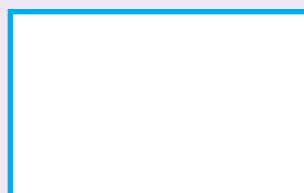
Ikota yoku - I

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

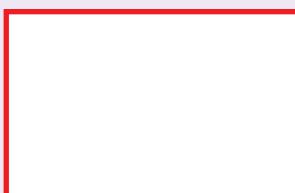


Zoba iimilo

Unxantathu



Isangqa



Isikwere

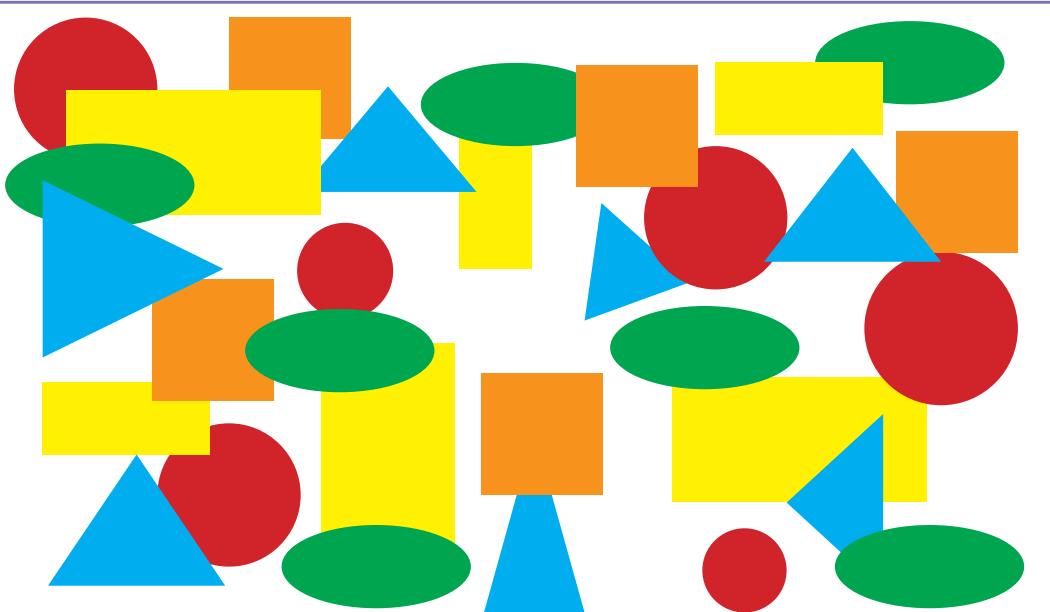
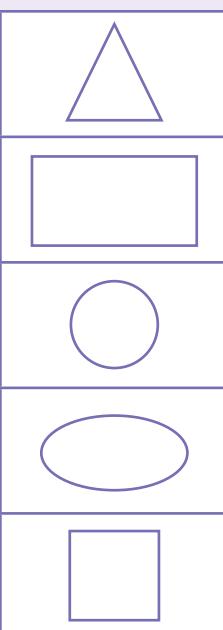


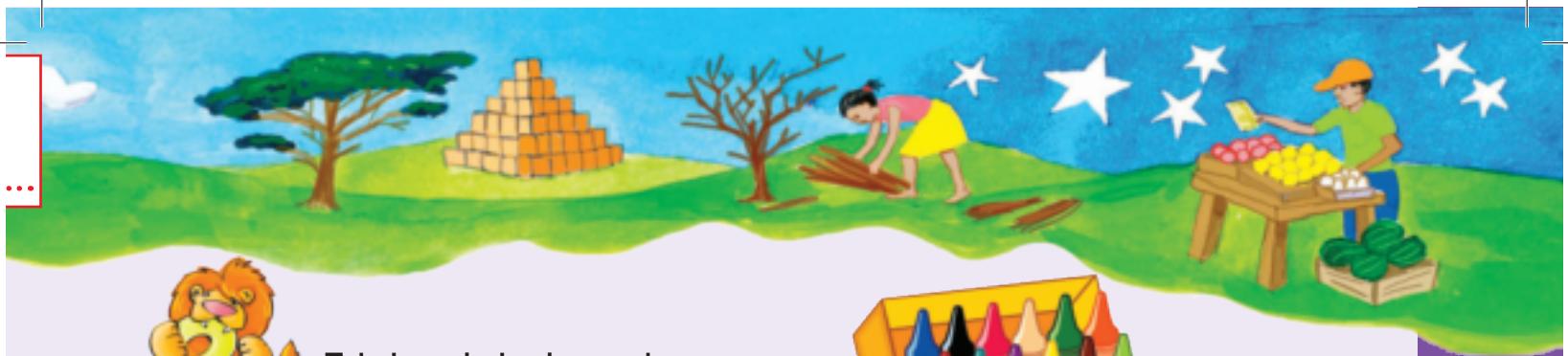
uxande



Bala iimilo

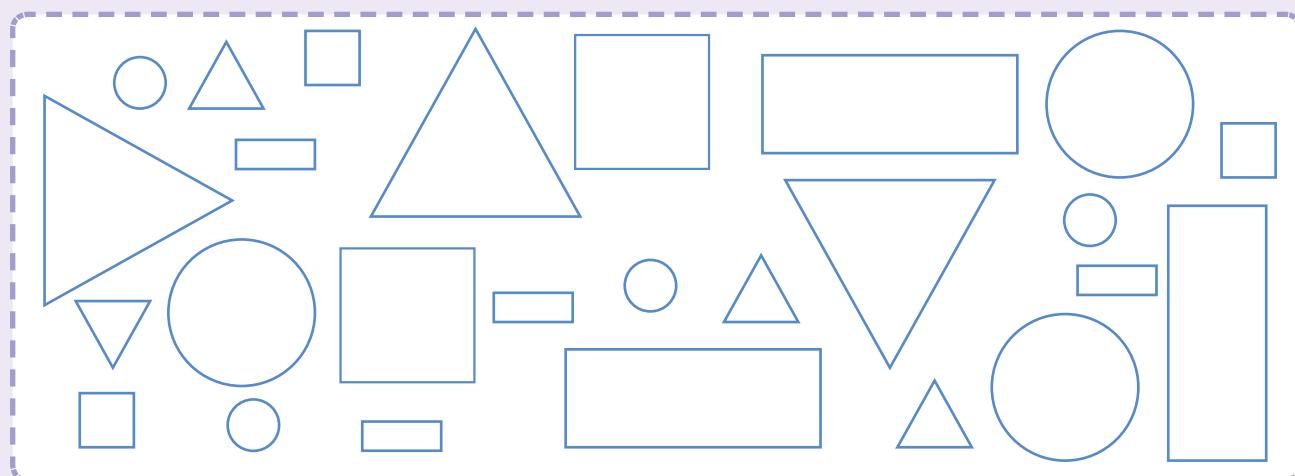
Bala ukuba ufumana iimilo ezingaphi ezifana nezi kulo mfnekiso.





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.

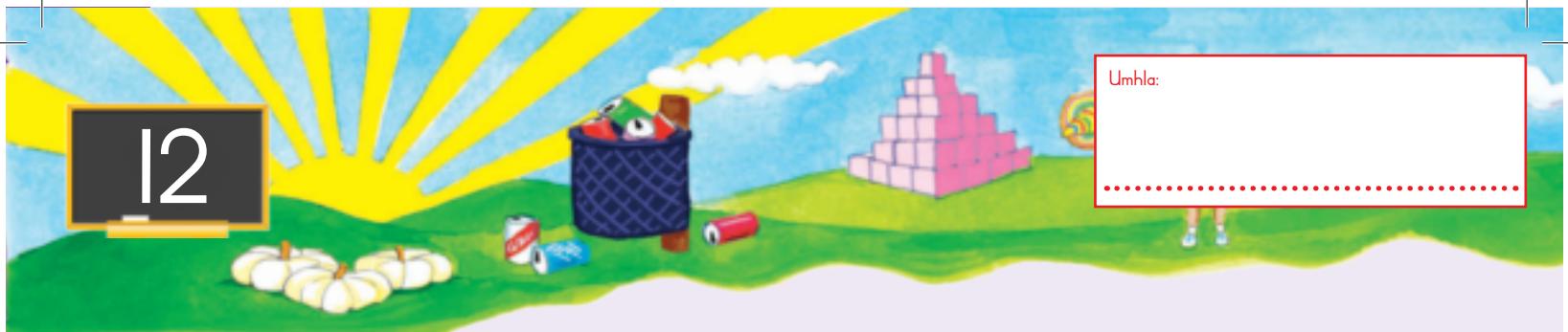
ithe tye	ingqukuva	ithe tye	ingqukuva	ithe tye	ingqukuva

ithe tye	ingqukuva	ithe tye	ingqukuva



Teacher:
Sign:
Date:

12



Umhla:

**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 -6icala emva
kweyesi -8umkhono phambi
kweye -11licalala 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

Ndiyakwazi ukubona
ipatheni.

Kwixesha eliphindwe kabini

- Tshintsha iiyure zibe yimizuzu.

Iiyure	1	2	4	8
Imizuzu	60			



- 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

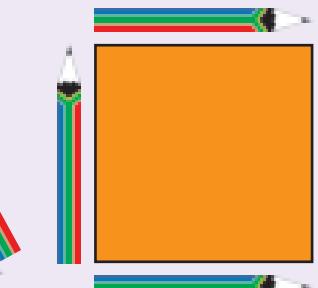
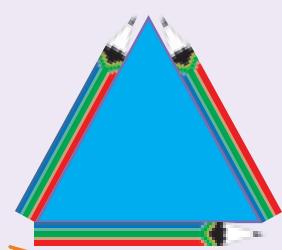
Umhla:

Ikota yoku-

Ukulinganisa ubude



Amacala alo
nxantathau
ewonke anobude
obuziipenisile ezi - 3.



Amacala ezi
zikwere ewonke
anobude
obuziipenisile ezi - 4.



Azi ukuba olu
xande lude
kwaye lubanzi
kangakanani na?

Lude kangangeepenisile ezingaphi olu xande?



Lubanzi kangangeepenisile ezingaphi uxande?



ubude



ububanzi

Uzisebenzise njani iipenisile ekubaleni kwakho?

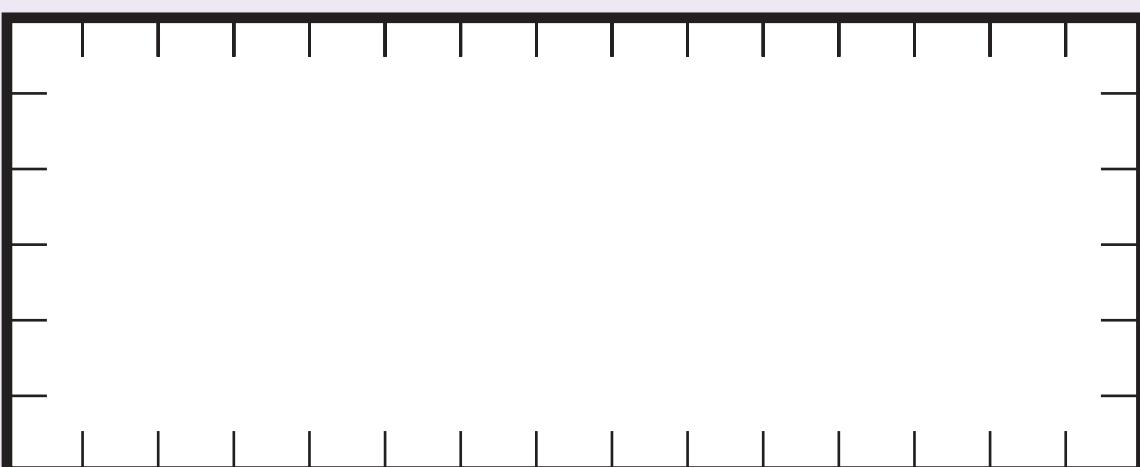


Ubude obuyimfihlo

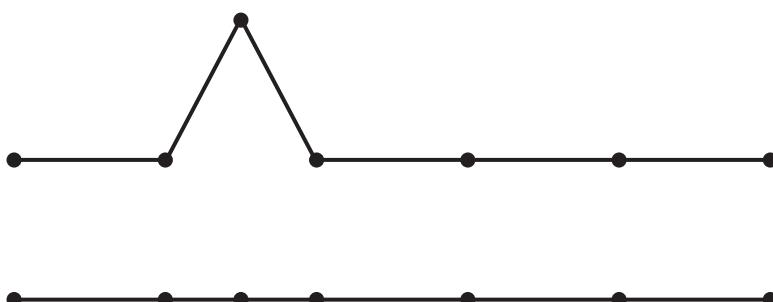
- a. Kufuneka ube nemigca **ebomvu** emingaphi ukuze ukwazi ukugquma umgca omnyama?



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



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



Impendulo _____

Kutheni? _____





Umthamo

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

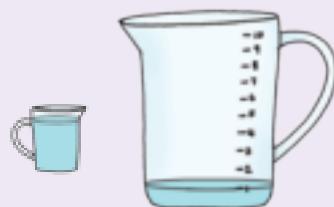
Ziikomityi ezingaphi zamanzi ezisafunekayo
ukuzalisa isikhongozelo?



Zingaphi iikomityi zamanzi ezikwiskhongozelo?

Zingaphi iikomityi ezisafunekayo ukuzalisa isikhongozelo?

a.



Kwisikhongozelo:

Kufuneka:

b.



Kwisikhongozelo:

Kufuneka:

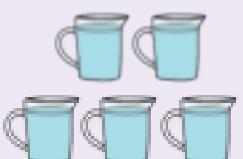
c.



Kwisikhongozelo:

Kufuneka:

d.



Kwisikhongozelo:

Kufuneka:

e.



Kwisikhongozelo:

Kufuneka:

f.



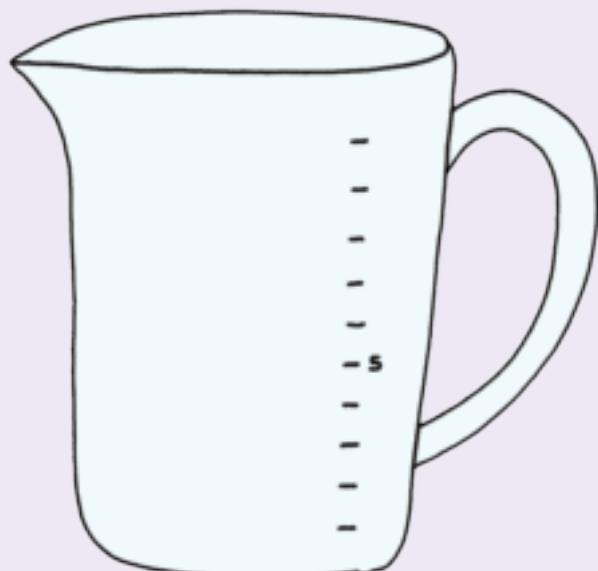
Kwisikhongozelo:

Kufuneka:



Bhala imilinganiselo kule jagi. Sikubonisile umlinganiselo wesi -5.

Fakela eminye imilinganiselo ejagini.

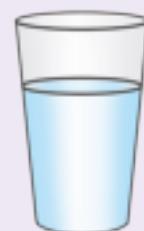


Ukuba ikomityi enye ilingana
umlinganiselo omnye wejagi,
zingaphi iikomityi ezifunekayo ukuze
zifikelele kulo mlinganiselo:

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



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



15

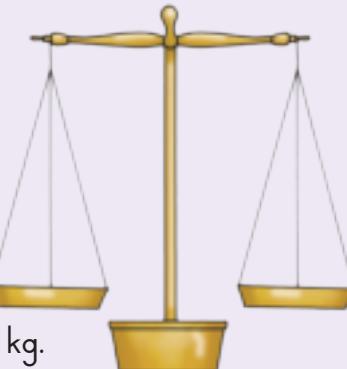
Umhla:

Ikota yoku-



Masinganise ubunzima bethu!

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



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



41 kg



38 kg



41 kg



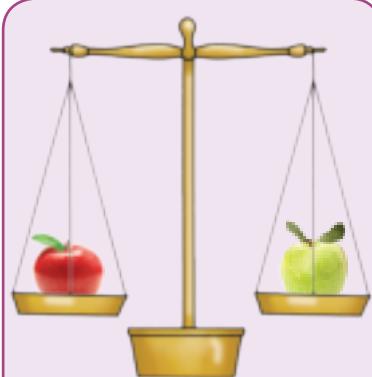
42 kg



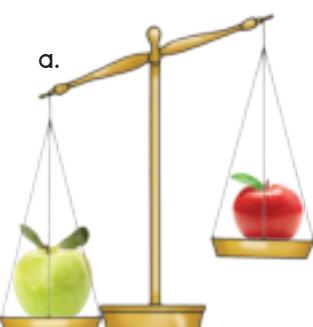
39 kg



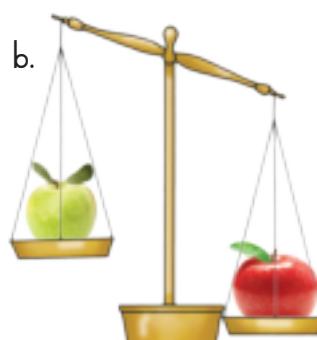
Sisebenzisa isikali ukuze sikwazi ukulinganisa ubunzima.



Ama-apile akwesi sikali anobunzima obulinganayo.

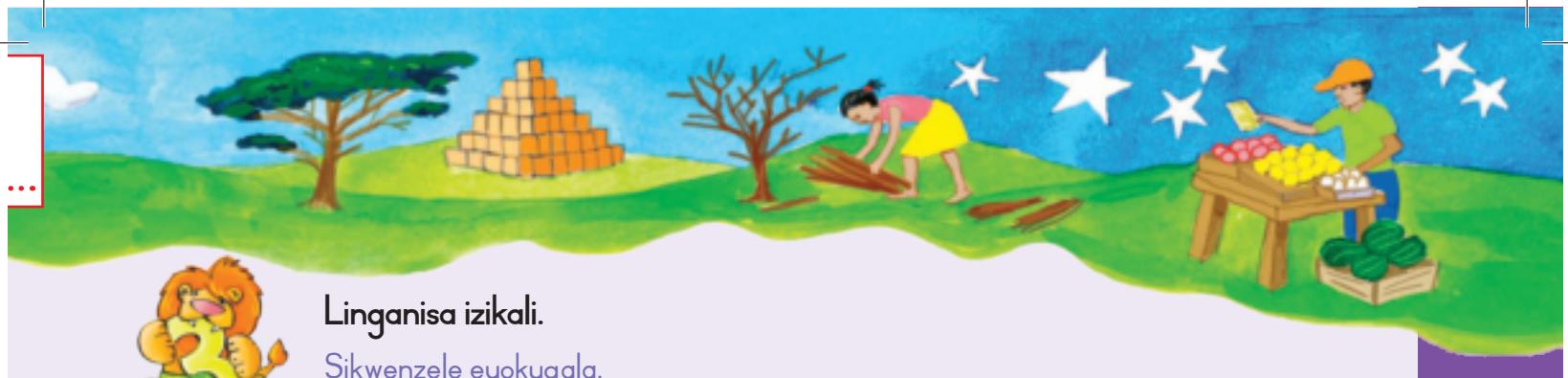


Phendula umbuzo, ubhale a okanye b.



Kukwesiphi isikali apho iapile eliluhlaza linzima kuneapile elibomvu?

Kukwesiphi isikali apho iapile eliluhlaza likhaphukhaphu kuneapile elibomvu?

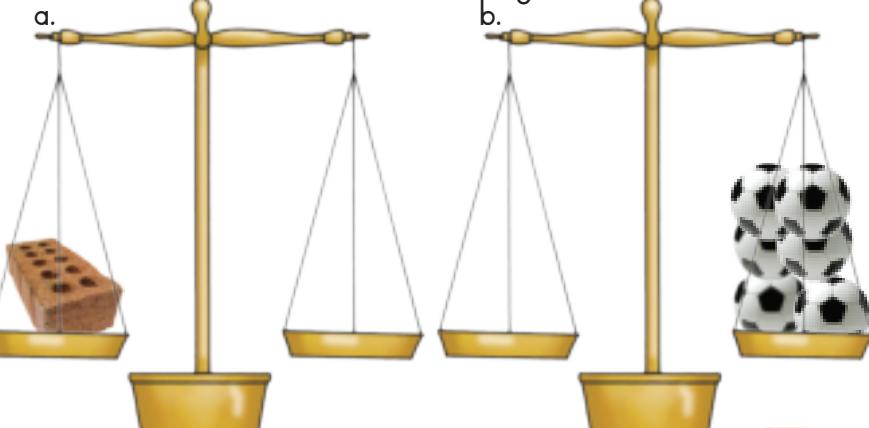


Linganisa izikali.

Sikwenzele eyokuqala.



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



Izitena ezibini zinobunzima obulingana nobeebhola ezine.



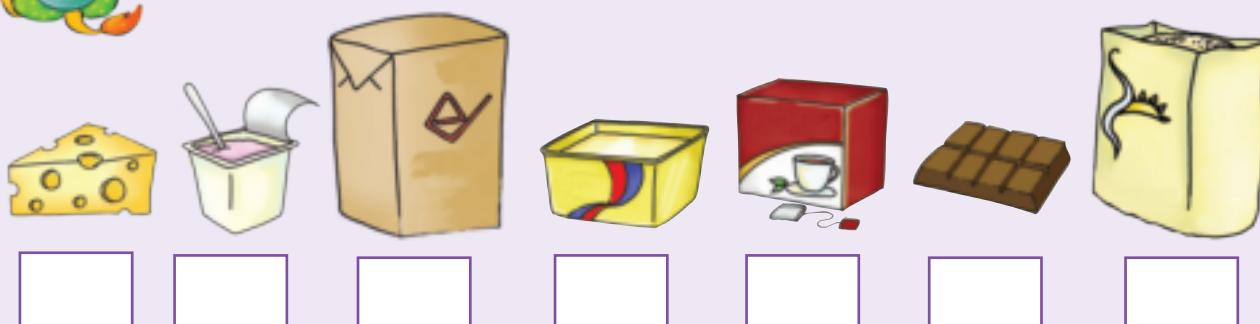
Ukuba ipasile enye inobunzima obuzii - 3 kg, ziya kuba nobunzima doungakanani ezi _____?

- 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.

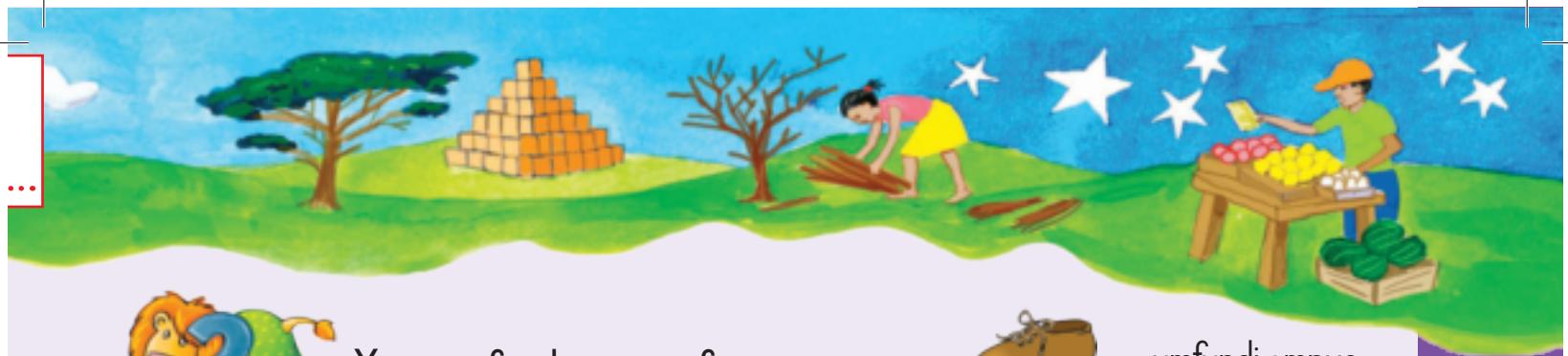
Nksk. Khoza: Balani, nandule ukubhala inani lesayizi nganye ekwitheyibhile.

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.

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

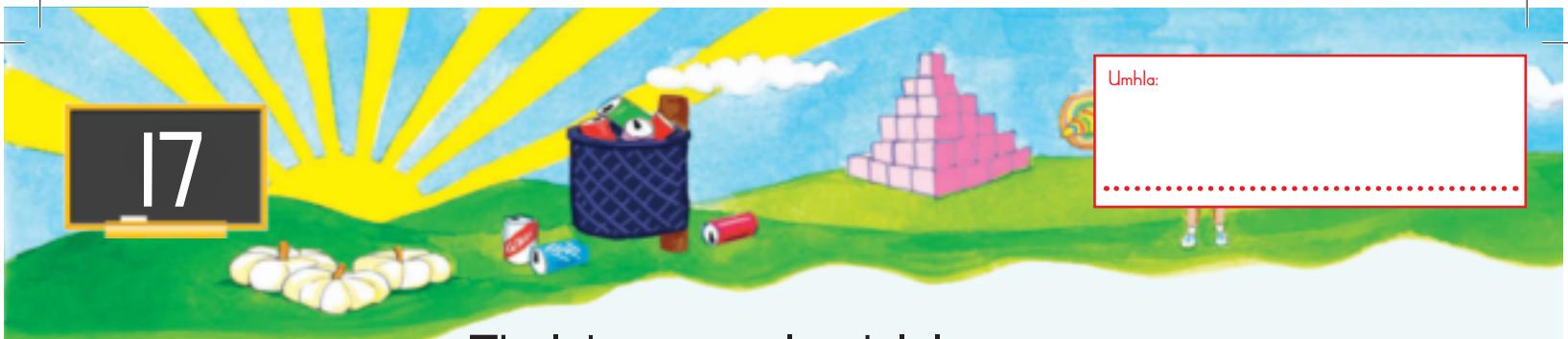


Wena?

Fumanisa ukuba ninxiba eziphi iisayizi zezihlangu wena nabahlolo bakho!

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





Thelekisa uze ulandeelanise amanani

75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

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



Leliphi inani eliphakathi kwama-88 nama-90?



Fakela amanani angekhoyo.

51																			
																			67
71																			
																			100

Sebenzisa ibhodi yamanani uphendule imibuzo.

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



Gqibezela itheyibhile. Qala ngenani olinikiweyo.

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



Biyela ngesangqa elona nani likhulu.

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

Biyela ngesangqa elona nani lincinci.

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



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

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

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



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



11 12 13 14 15 16 17 18 19 20

Umhla:

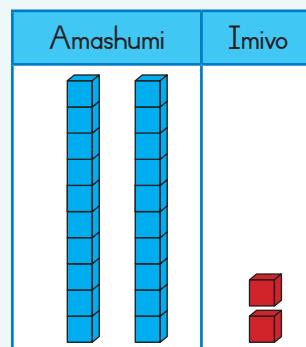


Ixabiso lendawo ukuya kuma-qq

Ukubonisa amanani usebenzisa izinto

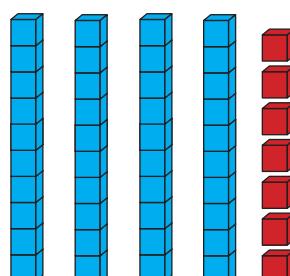
Siyakwazi ukubonisa amanani ngeebloko zamaxabiso eendawo.

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



Unokubonisa inani usebenzisa amashumi nemivo.

Nantsi indlela yokubonisa ama-47.



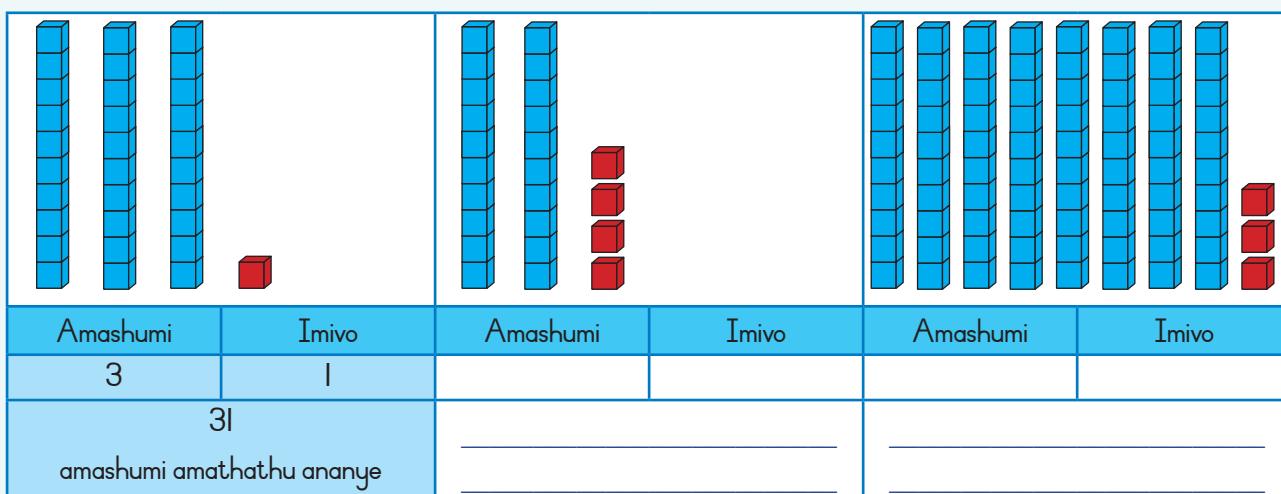
Amashumi	Imivo
4	7

Amashumi amane
anesixhenxe
47



Ukubhala amanani ngokwemivo nangamagama

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





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?

	3 0 5 3 5	Amashumi Imivo 3 5 amashumi amathathu anesihlanu 35
	 	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

<p>Nantsi indlela yokubonisa ama-22.</p> <table border="1"> <thead> <tr> <th>Amashumi</th> <th>Imivo</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table> <p>1 ishumi 12 imivo</p> <p>1 0 1 0 2</p>	Amashumi	Imivo			<p>Sineshumi elinye Sinemivo elishumi elinesibini</p> <p>Siza kubeka ishumi lemivo eqeleni</p>	<p>Ngoku sinenye indlela yokubonisa ama-22.</p> <table border="1"> <thead> <tr> <th>Amashumi</th> <th>Imivo</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table> <p>2 amashumi 2 imivo</p> <p>2 2</p>	Amashumi	Imivo		
Amashumi	Imivo									
Amashumi	Imivo									

Masidibanise **27 + 4**

Siza kuqala ngeebloko ezibhulowu ze songeze ezibomvu.

<p>U-27 ngamashumi amabini nemivo esi-7. Emva koko songeza u-4 ngaphezelu kwimivo.</p> <table border="1"> <thead> <tr> <th>Amashumi</th> <th>Imivo</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table> <p>2 amashumi 7 imivo</p> <p>2 0 7 4</p>	Amashumi	Imivo			<p>Sinamashumi ama-2 nemivo eli-II.</p> <table border="1"> <thead> <tr> <th>Amashumi</th> <th>Imivo</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table> <p>Sinokubonisa imivo eli-10 njengeshumi elinye.</p> <p>2 0 1 0 1</p>	Amashumi	Imivo			<p>Ngoku sinamashumi ama-3 nomvo o-1</p> <table border="1"> <thead> <tr> <th>Amashumi</th> <th>Imivo</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table> <p>3 1</p>	Amashumi	Imivo		
Amashumi	Imivo													
Amashumi	Imivo													
Amashumi	Imivo													



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:

Bala usebenzise umgca-manani

Hlala edesiken!

Kwiskolo sethu umfundi ngamnye unedesika yakhe.

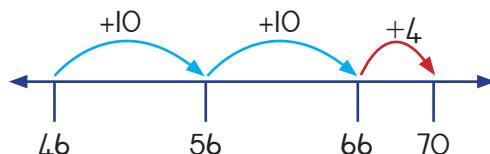
Kukho abafundi abangama-46 kwiBanga 3A nama-24

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

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

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

Kufuneka
ndidibanise ama-
24 kuma-46.



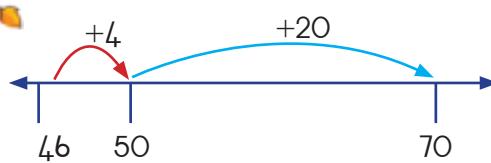
a. $32 + 25 =$

← →



b. $52 + 26 =$

c. $46 + 25 =$



Kufuneka
ndidibanise ama-24
kuma-46.



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

Bonisa ngamakhadi amanani.

$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$

a. $36 + 41 =$



11 12 13 14 15 16 17 18 19 20

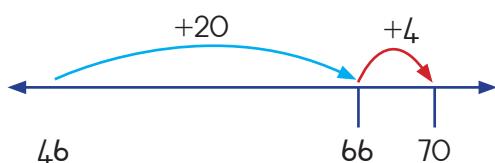
20b

Umhla:

Ikota yoku-|

Bala usebenzise umgca-manani (kusaqhutywa)

b. $57 + 19 = \boxed{}$



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.

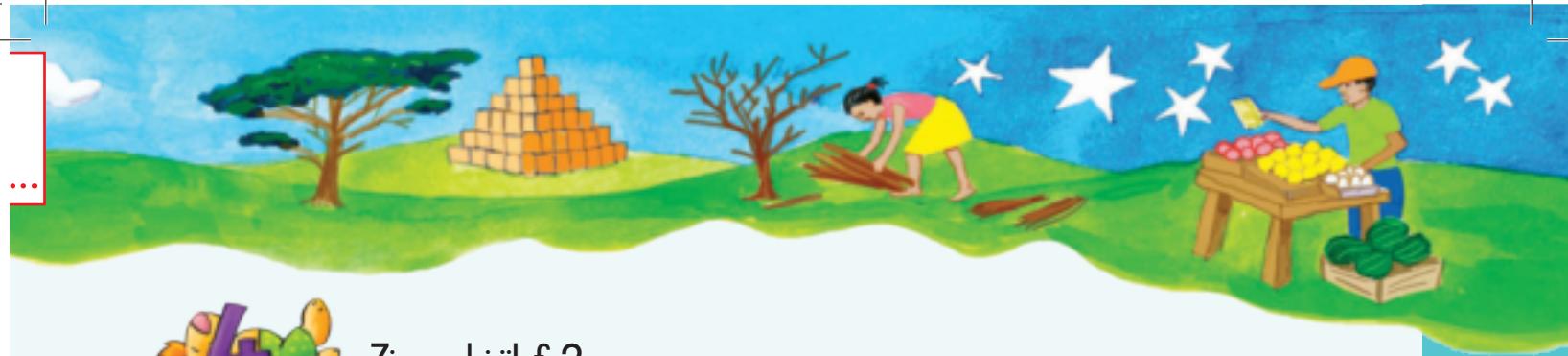
$$\begin{aligned} &= 46 + 20 + 4 \\ &= 66 + 4 \\ &= 70 \end{aligned}$$

a. $63 + 24 = \boxed{}$



b. $65 + 29 = \boxed{}$



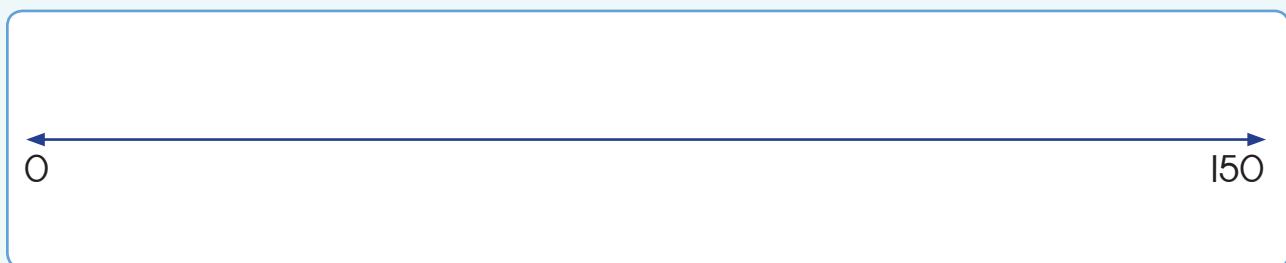


Zingaphi iilofu?

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

- a. Zingaphi iilofu zesonka zizonke?

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



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

$38 + 24 =$

$58 + 17 =$



$75 + 16 =$

$83 + 29 =$



2|a

Umhla:

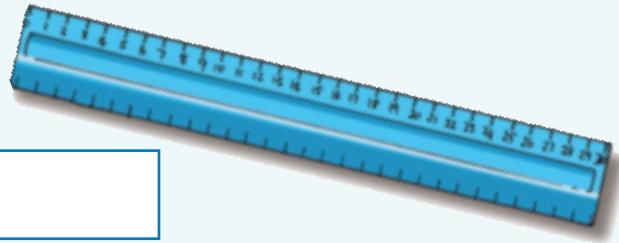
Ikota yoku-|

Thabatha kumgca-manani

Umfundi omnye! Irula enye!

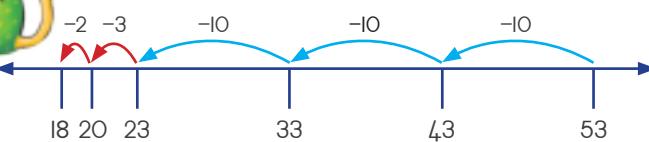
Iklasi ifuna iirula ezingama-53. Kukho ezingama-35.

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**.

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

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

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

$$= 23 - 3 - 2$$

$$= 20 - 2$$

$$= 18$$



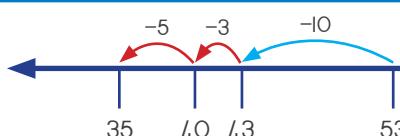
a. $68 - 24 =$



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:

b. $65 - 43 = \square$

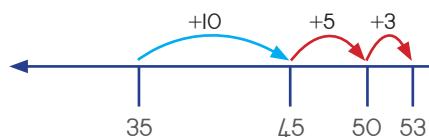
Thabatha kumgca-manani (kusaqhutywa)



c. $72 - 39 = \square$



d. $85 - 48 = \square$



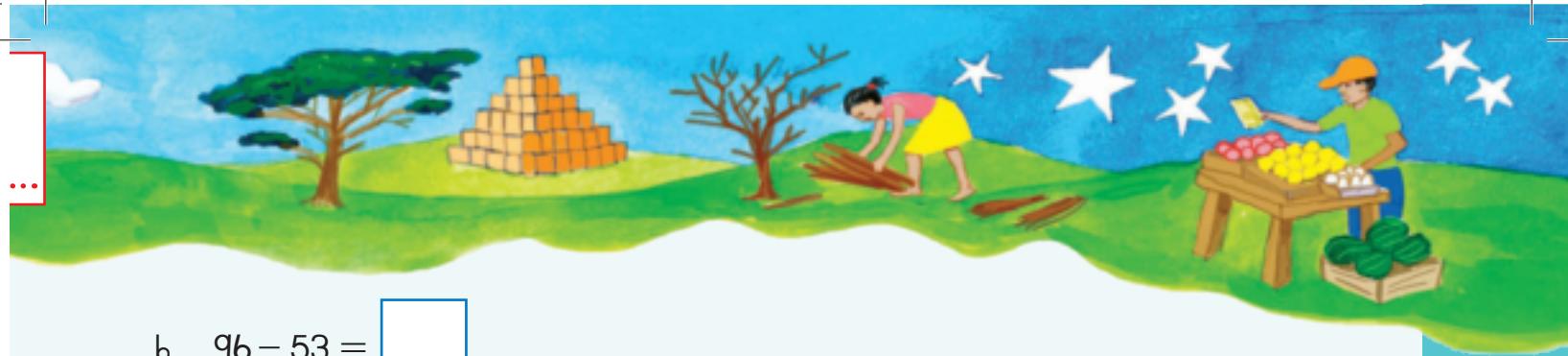
Ndingaqala ngama-35 ndize
ndibone ukuba yimitsi emingaphi
ukuya kufika kuma-53.



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

a. $84 - 32 = \square$





b. $96 - 53 =$

← →

c. $78 - 19 =$

← →

d. $63 - 47 =$

← →



Uhambo ngetekisi

Ukuya edolophini ngetekisi ngama-65km.

Okwangoku 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.

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



Teacher:

Sign:

4

|| 12 13 14 15 16 17 18 19 20

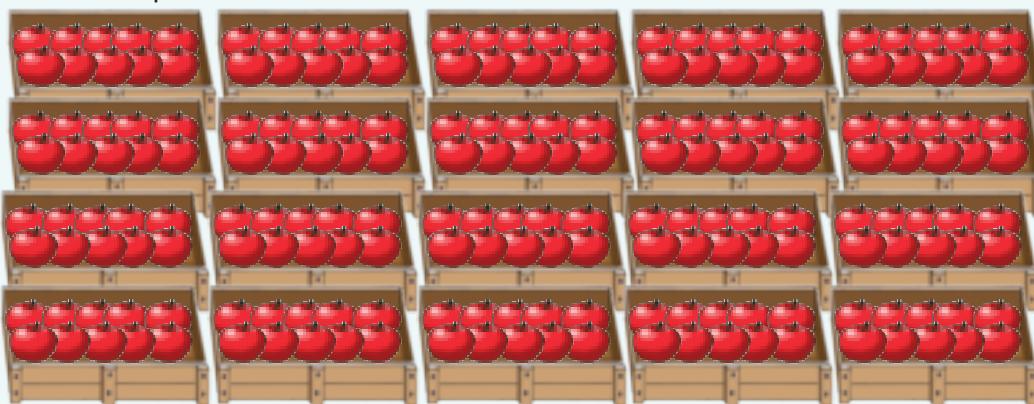
23

Umhla:

Ukubala uyokufika kuma-200



Bala ama-apile.



Fakela amanani

Ibhokisi e-l inama-apile a , umqolo o-l unama-apile a Umqolo o-l uneebhokisi ezi , imiqolo emi-4 inama-apile a 

Mangaphi ama-apile esinokuwapakisha kwezi bhokisi?

- a.
- b.
- c.

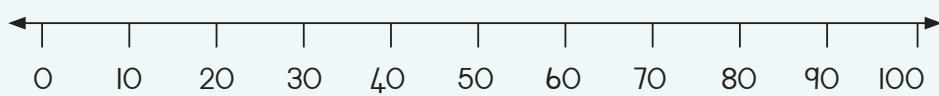


Bala kumgca-manani.

- a. Mangaphi ama-apile aza kuba sezibhokisini ezintlanu?



- b. Mangaphi ama-apile aza kuba sezibhokisini ezsishenxe?





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	



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-|



Bala iikawusi

Bala ngezi-2



- Zingaphi izibini zekawusi? _____
- Zingaphi iikawusi ezikhoyo? _____
- Zikhona iikawusi ezishiye kileyo? _____



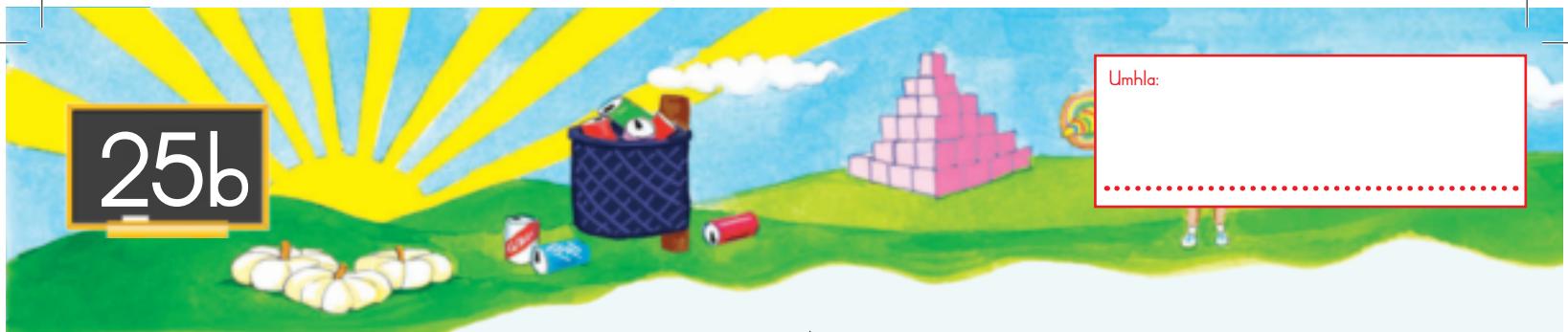
Masibale izibini zeekawusi

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

Iikawusi	Inani lezibini	Inani leekawusi	Iikawusi ezingenamati ezishiyelekileyo



25b



Umhla:



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

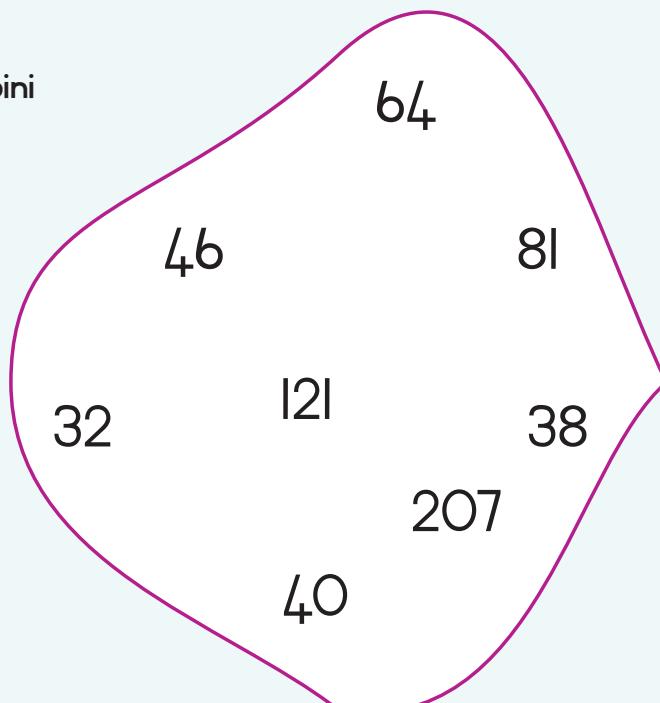
3, 5, 7,

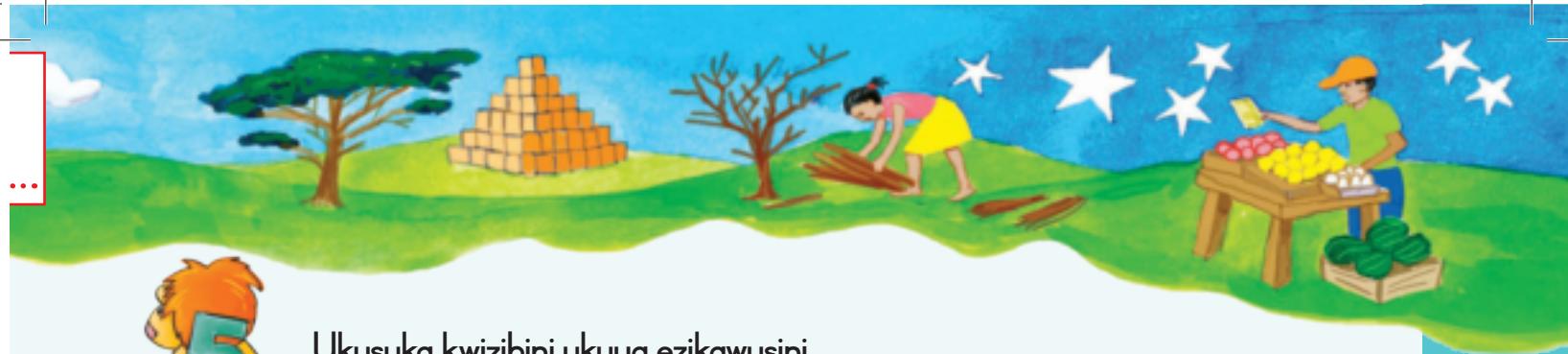


Iminqakathi noonombini

Yenza isangqa kumanani angoonombini.

Yenza isikwere kumanani ayiminqakathi.





Ukusuka kwizibini ukuya ezikawusini

Umzekelo:

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



$$2 \times 1 = 2$$

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

$$2 \times 10 = 20$$

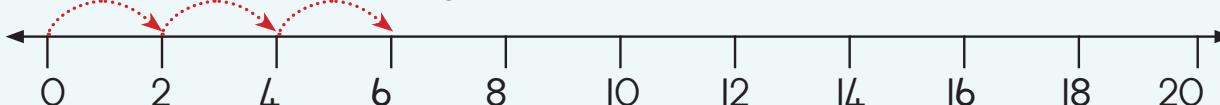
a. Bhala inani leekawusi.

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:

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



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



11 12 13 14 15 16 17 18 19 20

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.

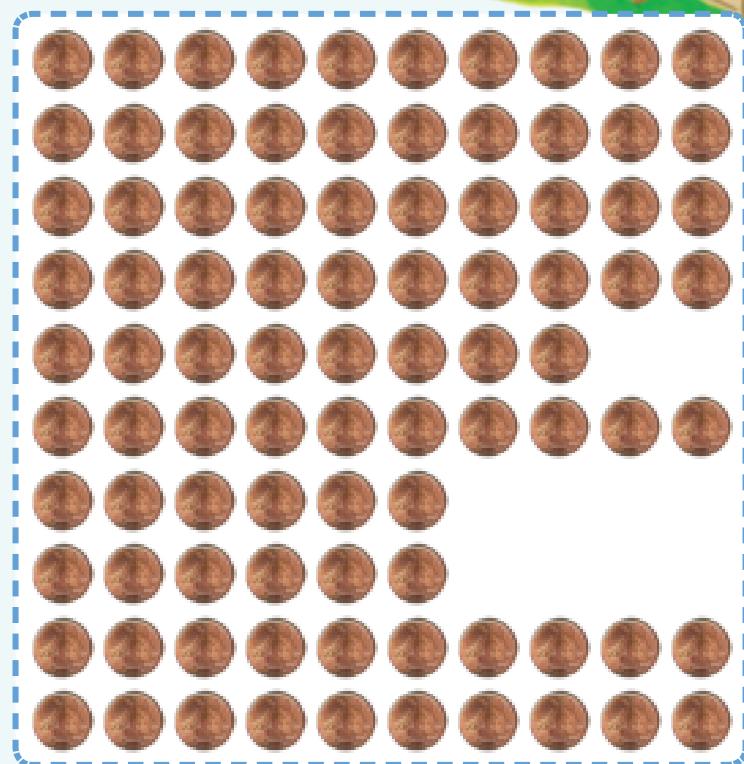
Zingaphi iisenti ezikhoyo?

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?

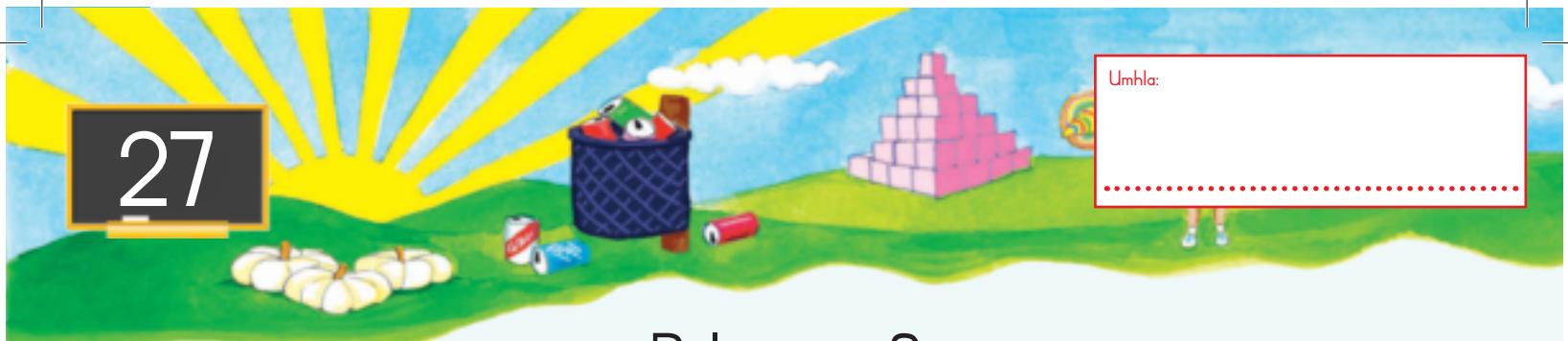
Mangaphi ama-apile nge -R9,00?



11 12 13 14 15 16 17 18 19 20

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

27



Umhla:

Bala ngezi-3



Amavili abalwa ngezi-3



Itrayisekile enye inamavili ama _____.

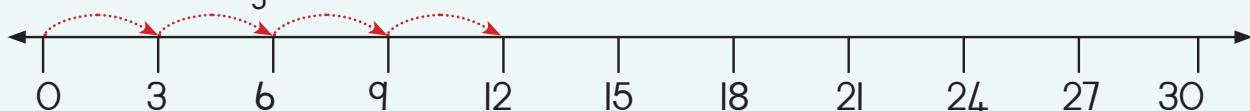


Itrayisekile ezi-5 zinamavili ali _____.	$3 + 3 + 3 + 3 + 3 = 5 \times 3 =$ _____
Itrayisekile ezi-2 zinamavili ama _____.	$3 + 3 = 2 \times 3 =$ _____
Itrayisekile ezi-4 zinamavili ali _____.	
Itrayisekile ezi-6 zinamavili ali _____.	
Itrayisekile ezili-9 zinamavili angama _____.	
Itrayisekile ezisi-8 zinamavili angama _____.	

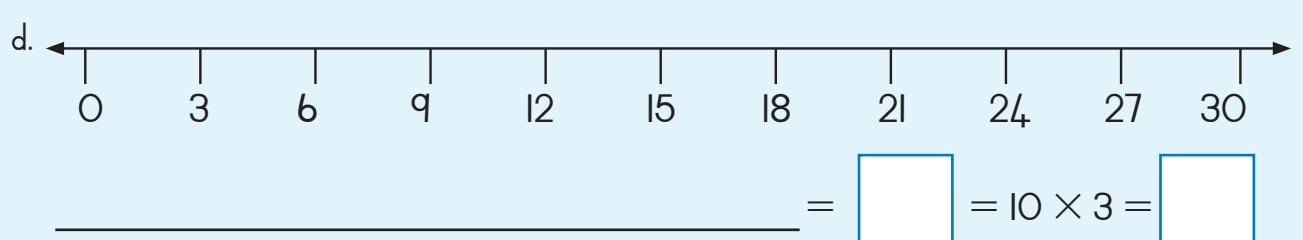
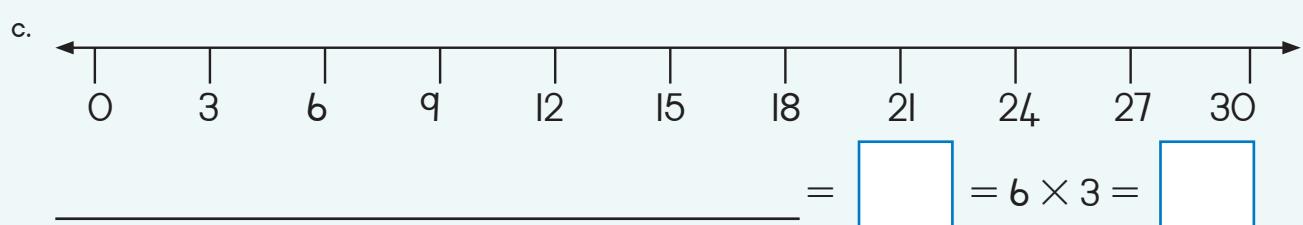
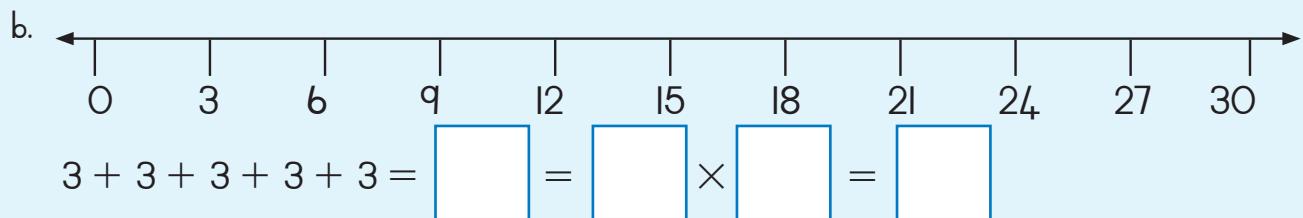


Imigca-manani

Jonga umzekelo.



a. $3 + 3 + 3 + 3 =$ $= 4 \times 3 =$



Iibhayisekile kunge neetrayisekile



UBusi ubala amavili eebhayisekile naweetrayisekile evenkileni yazo:

Ewonke la mavili ali-14.

Zingaphi iibhayisekile ezikhoyo? _____

Zingaphi iitrayisekile ezikhoyo? _____



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

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

28

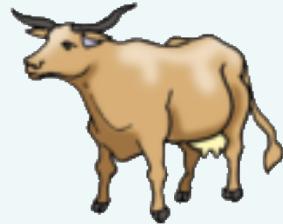
Umhla:

Ikota yoku-l



Imilenze emine

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



Iinkomo zinemilenze emine.

Zeziphi ezinye izinto eziza zinenani elingu-4? _____



Bala imilenze

Nokolani ngeependulo.
Cacisa ukuba wenze ntoni.

Sebenzisa iinyaniso ozaziyo ngezi-4 uphendule le mibuzo.

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



Gqibezela le theyibhile ingasezantsi.

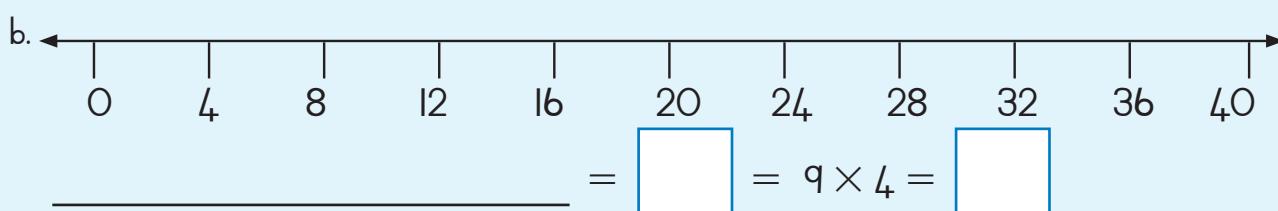
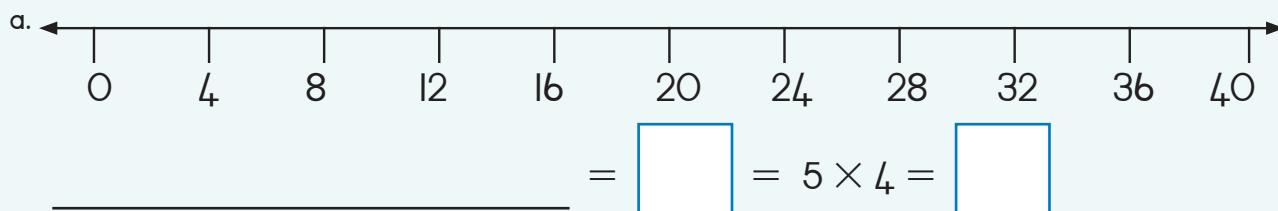
Sebenzisa umzekelo owunikiwego ukuncede.

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

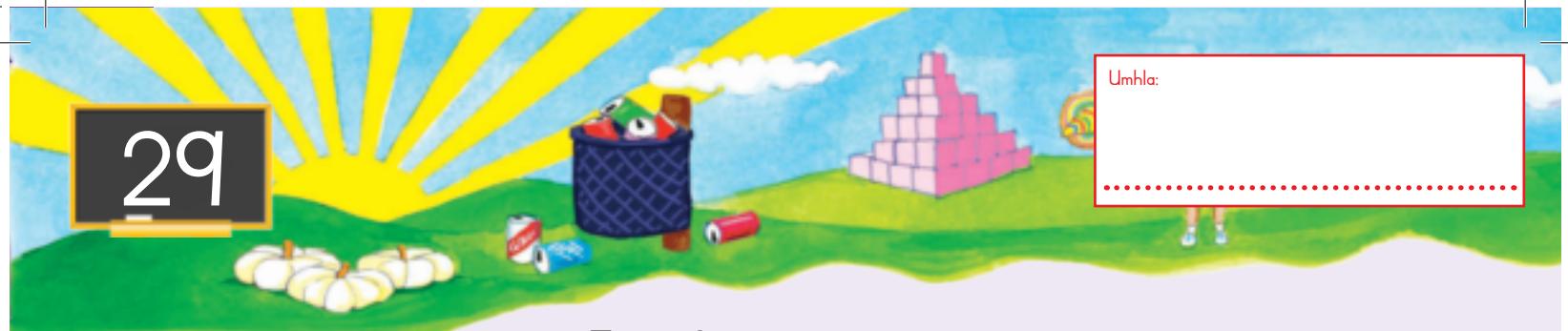


Imigca-manani

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



Teacher: _____
Sign: _____
Date: _____



Umhla:

Tipatheni zamani



Igridi yeeopatheni

Yeyiphi ipatheni yamanani eboniswa zizanqqa 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).

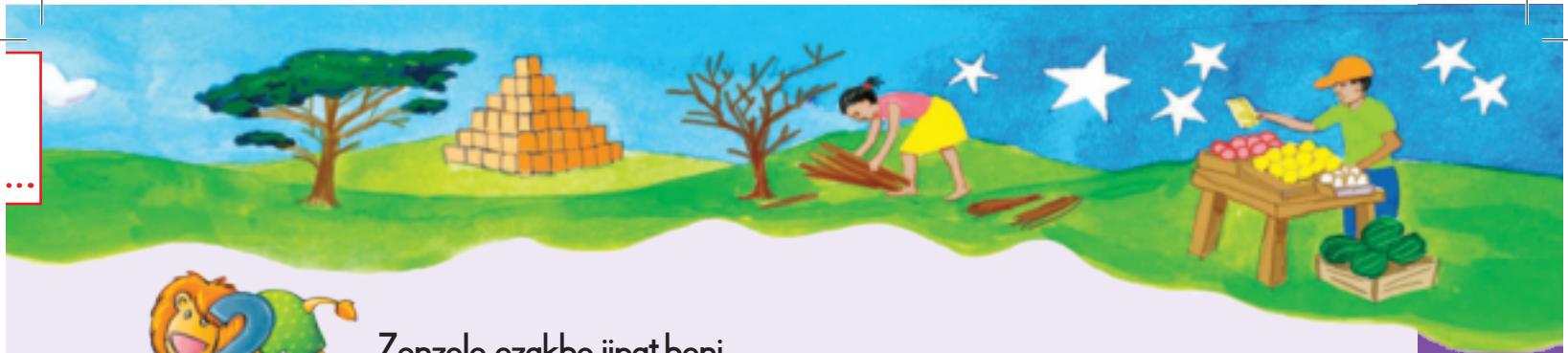
b. Ipatheni: _____

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:

A 19x19 grid representing a Go board. There are ten black circular stones placed on the board at the following coordinates: (3, 3), (3, 7), (7, 3), (7, 7), (11, 3), (11, 7), (15, 3), (15, 7), (19, 3), and (19, 7). The grid lines are thin and light gray.

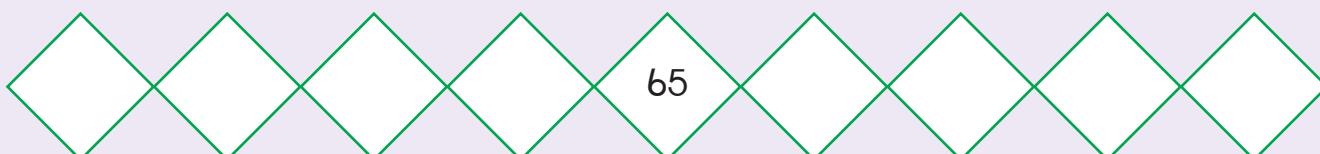


Zenzele ezakho iipatheni

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



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



Zingena phi?



Ipatheni yezi-3 nezi-4

umzekelo 48

Ipatheni yezi-3 nezi-5

Ipatheni yezi-4 nezi-5



Elwandle

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



11 12 13 14 15 16 17 18 19 20

30a

Umhla:

Ikota yoku-1

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.



$$\div =$$

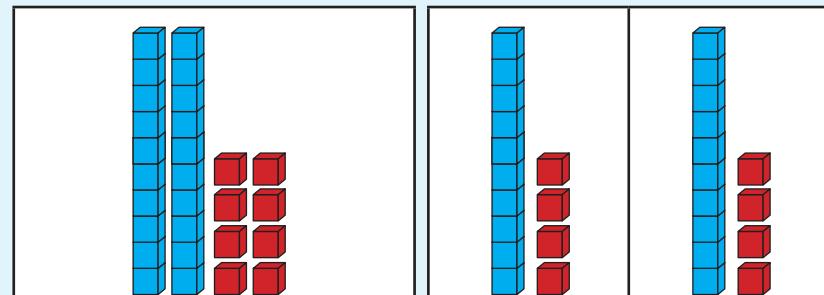
- c. Yahlulela abantwana aba-5 iilekese



$$\div =$$



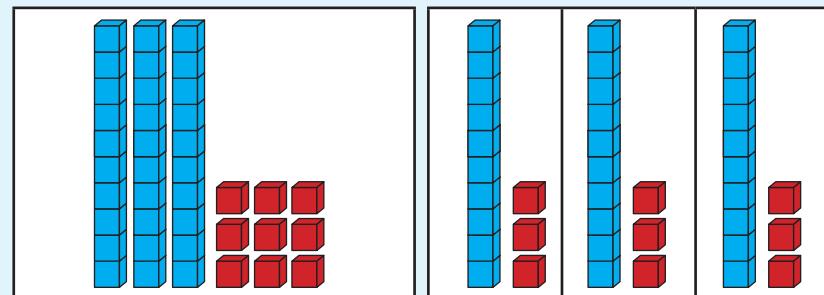
Singasebenzisa iibloko zamanani ukuze sikhazi ukwahlula.



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

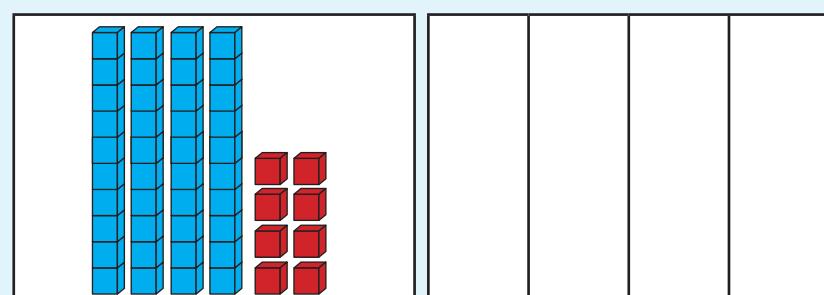
Ngoku yenzo oku.

a.



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

b.



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



Teacher:
Sign:
Date:

30b

Umhla:

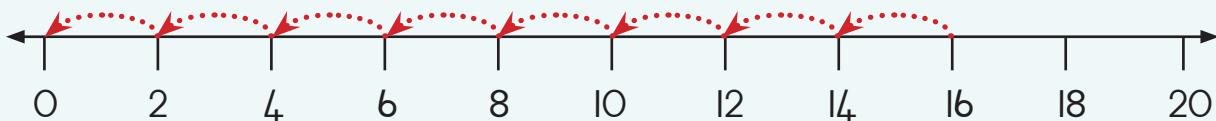
Ikota yoku - I



Ukwahlula (kusaqhutywa)

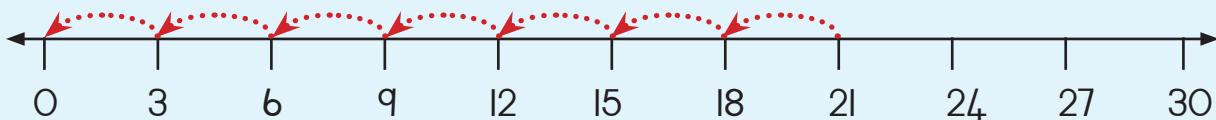
Sebenzisa imigca-manani ubhale isivakalisi-manani sokuthabatha nokwahlula.

Umzekelo:



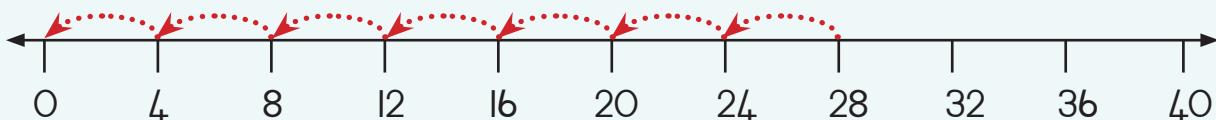
$$16 - 2 - 2 - 2 - 2 - 2 - 2 - 2 = 0$$

$$16 \div 2 = 8$$



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

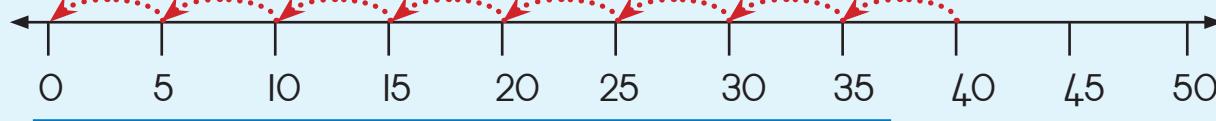
$$\boxed{\quad} \div \boxed{\quad} =$$



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

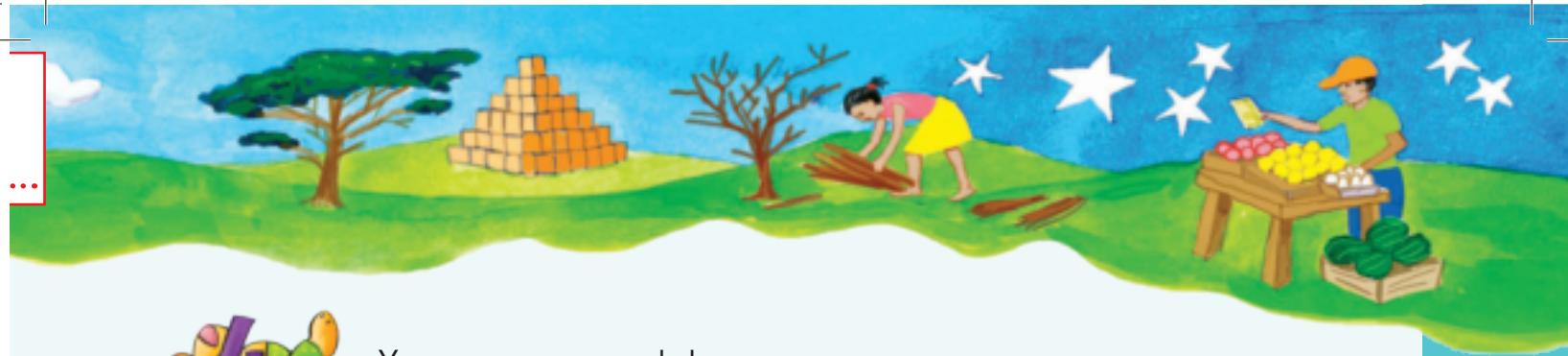
$$\boxed{\quad} \div \boxed{\quad} =$$

c.



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

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



Yenza umgca-manani ubale.

a. $30 \div 5 =$



b. $22 \div 2 =$



c. $27 \div 3 =$



d. $32 \div 4 =$



e. $25 \div 5 =$



Umngeni

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

Bhala isivakalisi samanani
ubonise impendulo yakho.



Teacher:
Sign:
Date:

31

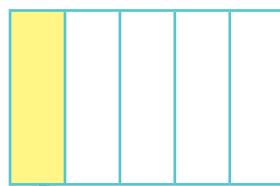
Umhla:

Ikota yoku-l

Amaqhezu

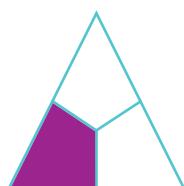


Krwela imigca ukuze utshatise imilo kunye neqhezu:



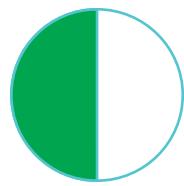
Isinye esithathwini

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



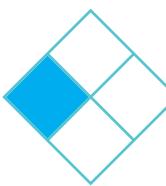
Isinye kwisihlanu

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



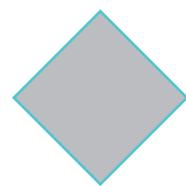
Ikota

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



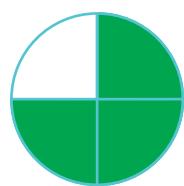
Isiqingatha

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



Ikota ezintathu

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



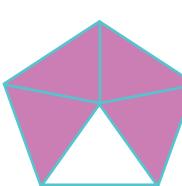
Isine kwisihlanu

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



Into enye epheleleyo

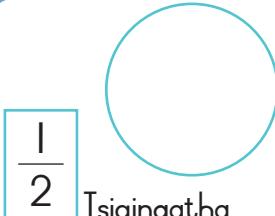
$$\frac{1}{1}$$



Isibini kwisithathu

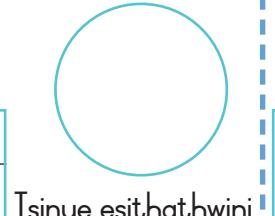
$$\frac{2}{3}$$

Yahlula ze ufake umbala



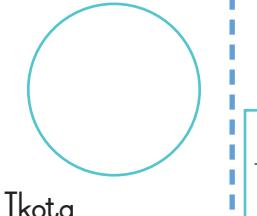
$$\frac{1}{2}$$

Isiqingatha



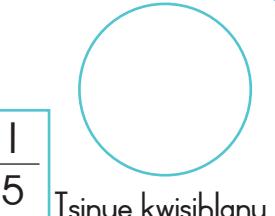
$$\frac{1}{3}$$

Isinye esithathwini



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

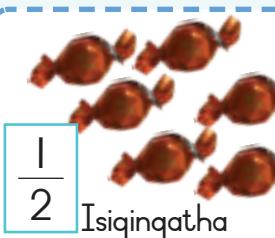
Ikota



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

Isinye kwisihlanu

Bonisa iqhezu olinikiweyo leeplekese:



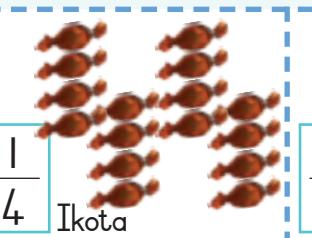
$$\frac{1}{2}$$

Isiqingatha



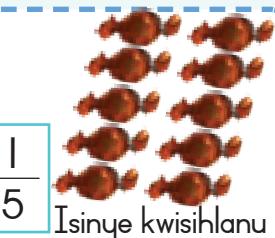
$$\frac{1}{3}$$

Isinye esithathwini



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

Ikota

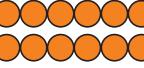


$$\frac{1}{5}$$

Isinye kwisihlanu

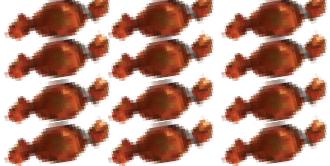
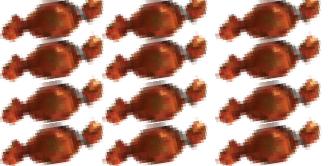


Yahlulela abantwana ababini izinto zokubala.

 <table border="1" data-bbox="239 539 483 727"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1" data-bbox="563 539 806 727"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1" data-bbox="898 539 1141 727"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1" data-bbox="1199 539 1442 727"> <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 . 																
$4 \div 2 = 2$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$																



Yahlulela abantwana iilekese.

 <table border="1" data-bbox="333 1439 702 1634"> <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 1439 1359 1634"> <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 = 																					



32

Umhla:

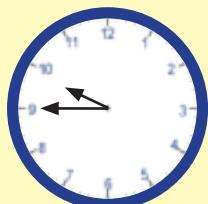
Ikota yoku -



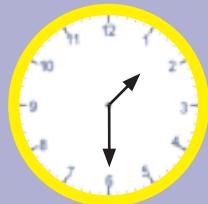
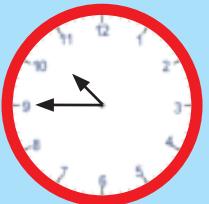
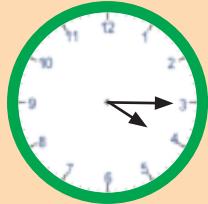
Iwotshi

Malunga nexesha

Sinokubhala ixesha elifanayo ngeendlela ezahlukeneyo.

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

Bhala ixesha ngeendlela ezahlukeneyo.

		
_____	_____	_____



Ukugoduka

UThemba uthabatha ixesha elingakanani xa egoduka?

imizuzu

iiyure



UThemba uyasishiya isikolo.



UThemba ufika
ekhaya.



Ixesha liyakhawuleza

Ixesha ngezi-2 ...



Mingaphi imizuzu kwiiyure ezi-2? _____

Zingaphi iiyure kwiintsuku ezi-2? _____

Zingaphi iiintsuku kwiiveki ezi-2? _____

Zingaphi iinyanga kwiminyaka emi-2? _____



Zingaphi iiintsuku?

Ngowama-27 kuEpreli luSuku
lweNkululeko.

Ngowe-16 kuJuni luSuku loLutsha.

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

Meyi						
Mv	Lb	Lt	Ln	Lhl	Mgg	C
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

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

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

- b. Zingaphi iiveki ezipheleleyo zizonke? _____
Zingaphi iiintsuku ezishiyekileyo? _____. Zingaphi iiintsuku zizonke? _____.

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

Ngubani omdala? _____

Ngeentsuku ezingaphi? _____

Khangela. Thelekisa.
Lungisa.



11 12 13 14 15 16 17 18 19 20

33



Umhla:

Bala urike kuma-200



Bala amanani



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



Bhala amanani

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

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

34

Umhla:

Ukusebenza ngamaqela amanani



Ukupakisha amakhandlela

UMaNkosi usebenza kumzi ovelisa amakhandlela.

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



Mangaphi amakhandlela akwiibhokisi nganye? _____

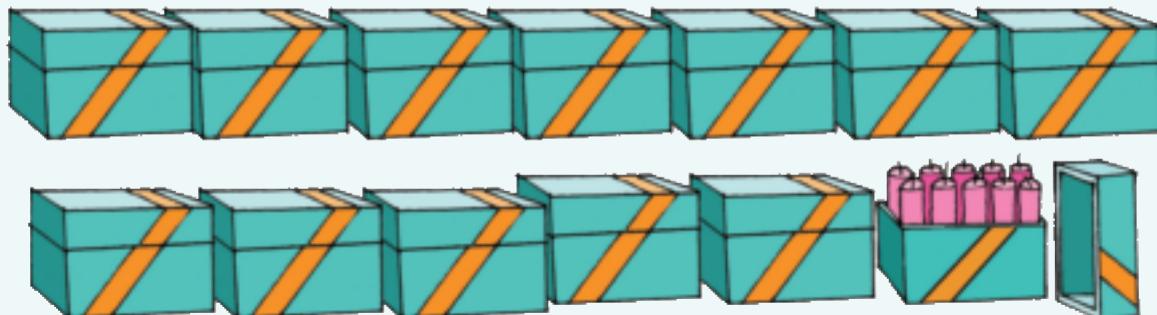
Zingaphi iibhokisi kwithala ngalinye? _____

Mangaphi amakhandlela akwithala ngalinye? _____



Iibhokisi zamakhandlela

UMaNkosi uvala iibhokisi.



- a. Bala zonke iibhokisi.

Zingaphi iibhokisi? _____

Mangaphi amakhandlela ewonke? _____

Kufuneka abe neebhokisi ezingaphi ngaphezulu ukuze abe namakhandlela angama -200? _____

- b. Mangaphi amakhandlela kwii -:

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

- c. Zingaphi iibhokisi ekufuneka enazo:

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



35a

Umhla:

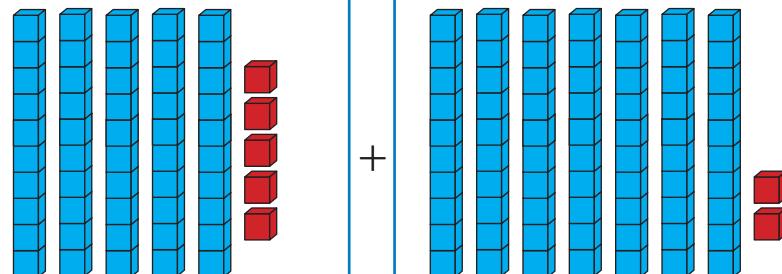
Ikota yesi-2



Ukubeka amashumi ndawonye nokuwacazulula

Ukubeka amashumi ndawonye xa sidibanisa siye kuma-qqq

Masidibaniše
 $56 + 73 =$



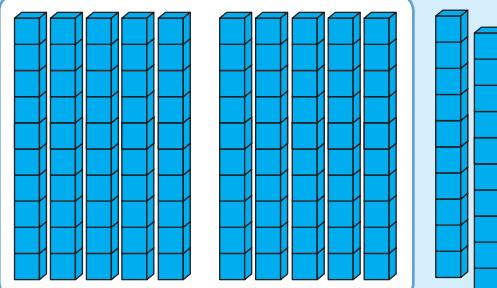
Amashumi ama -5 nemivo emi -6

Amashumi asi -7 nemivo emi -3

100

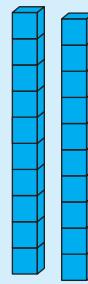
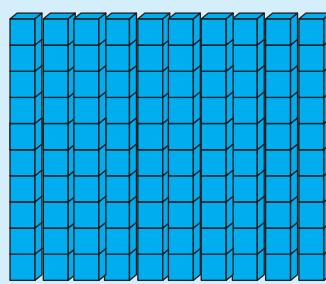
10

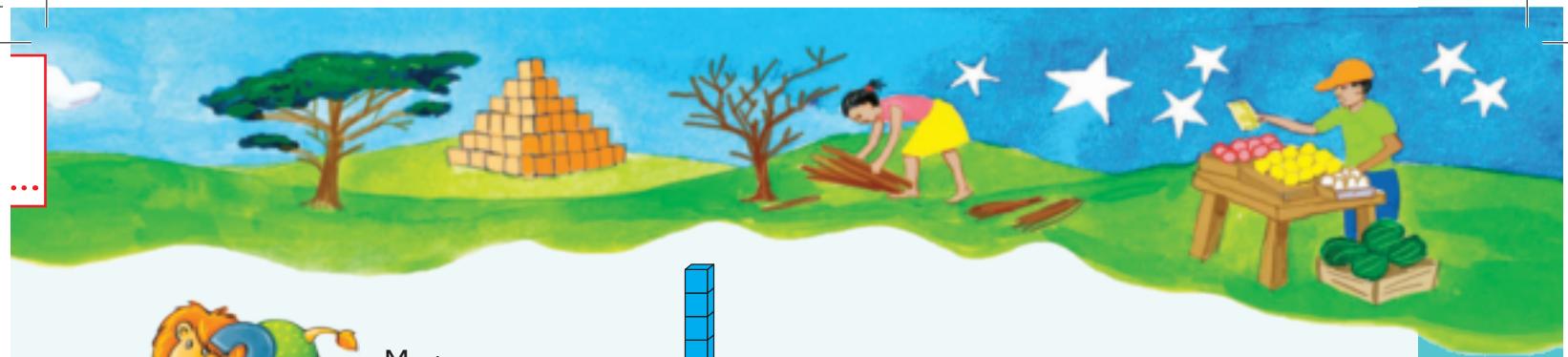
1



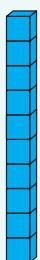
Sisonke sinamashumi ali -12.

Sinokudibanisa amashumi ali -10 senze ikhulu eli -1.





Masizame



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

$$\text{Umzekelo: } 82 + 34$$



$$\text{100} + 20 + 6 = 126$$

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 apha 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 - 10	$70 - 28 =$	

b. $90 - 46$

c. $80 - 53$



Ukufumana isibini samanani

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	



11 12 13 14 15 16 17 18 19 20

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

36

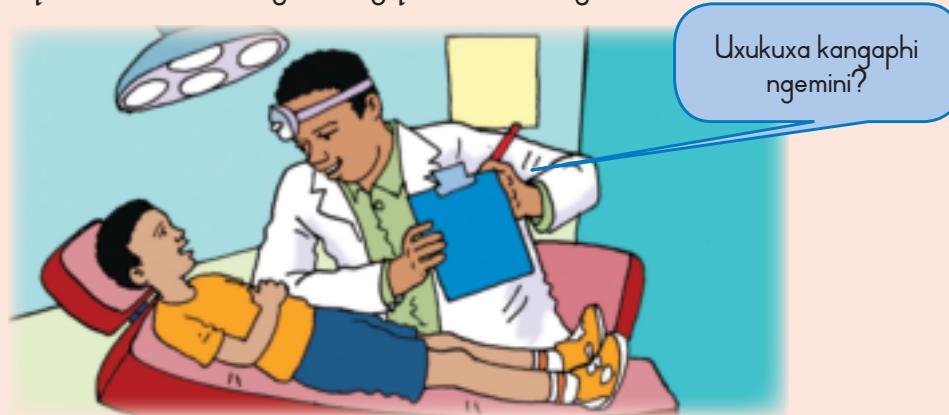
Umhla:

Ikota yesi-2



Utyelelo kugqirha wamazinyo

Iqela labantwana lityelela ugqirha wamazinyo.



Naku akuxelwelwa ngabantwana =kanye ngemini

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

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

 Kanye ngemini	
 Kabini ngemini	
 Kathathu ngemini	

b. Uqaphela ntoni kule theyibhile?

Uninzi lwabantwana luxukuxa ka _____ ngemini.

Kukho abantwana aba _____ eqeleni.

1 2 3 4 5 6 7 8 9 10



Zoba igrafu yomfanekiso ebonisa ukuba abantwana baxukuxa kangaphi ngosuku.



= kanye



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

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



11 12 13 14 15 16 17 18 19 20

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

37a



Dibanisa uze uqukanise



Bhala izibalo zakho



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

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

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

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

q

Udibana imivo aze abeke phantsiikhadi **q**.

Uyazi: $50 + 70 = 120$.

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

Uyibhala ngolu hlobo:

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

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

Ukwenza inani elinemivo emi -3.

UDumi uyazi ukuba iibloko zisebenza njani.

Isibalo $56 + 73$ usenza ngola hlobo:

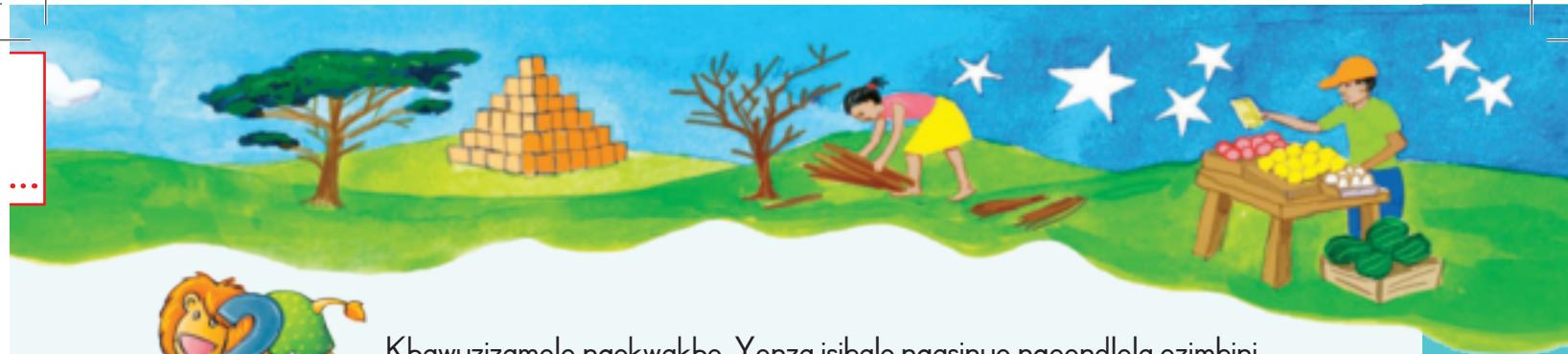
$$\begin{aligned} 50 + 6 + 70 + 3 \\ \swarrow \quad \searrow \\ 120 + q \\ = 12q \end{aligned}$$



UAakar uyakuthanda ukusondeza. Ukwenza ngolu hlobo oku:

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





Khawuzizamele ngokwakho. Yenza isibalo ngasinye ngeendlela ezimbini.

a. $86 + 62$

Indlela yokubala kaBusi

$$80 + 60 + 6 + 2$$



Indlela yokubala ka-Dumi

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



b. $72 + 63$

c. $81 + 57$

d. $69 + 71$



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 **zokudibana** imivo kune **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



Umhla:

Sombulula!



Iziciko zeebhotile

Sebenzisa nayiphi indlela yokubala oyithandayo.
Bonisa umsebenzi wakho.



USipho



UAndile

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

Zininzi kangakanani iziciko zebhotile zikaSipho kunezika-Andile?



Umyhadala wekonisathi yesikolo



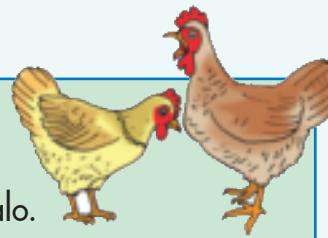
UMusa



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



Ukuzi qħelisa ngakumbi



Kukho amantshontsho angama - 69 ehokweni
nangama - 95 kwenye. Mangaphi amantshontsho xa ewonke?
Funda ngendlel la uGugu no no Aakar 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



Umhla:

Ikota yesi-2

Bala



Fumana indawo

Bhala amanani ashijiwego.

a.

100
27

b.

100
39

c.

100
43

d.

100
56

e.

200
140

f.

200
110

g.

200
135

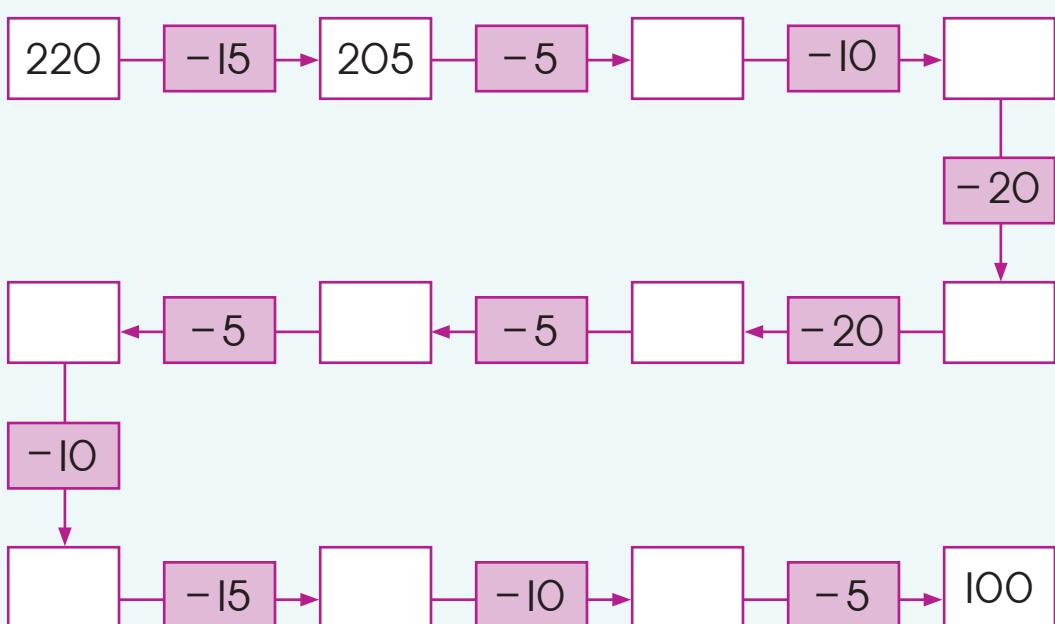
h.

200
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.

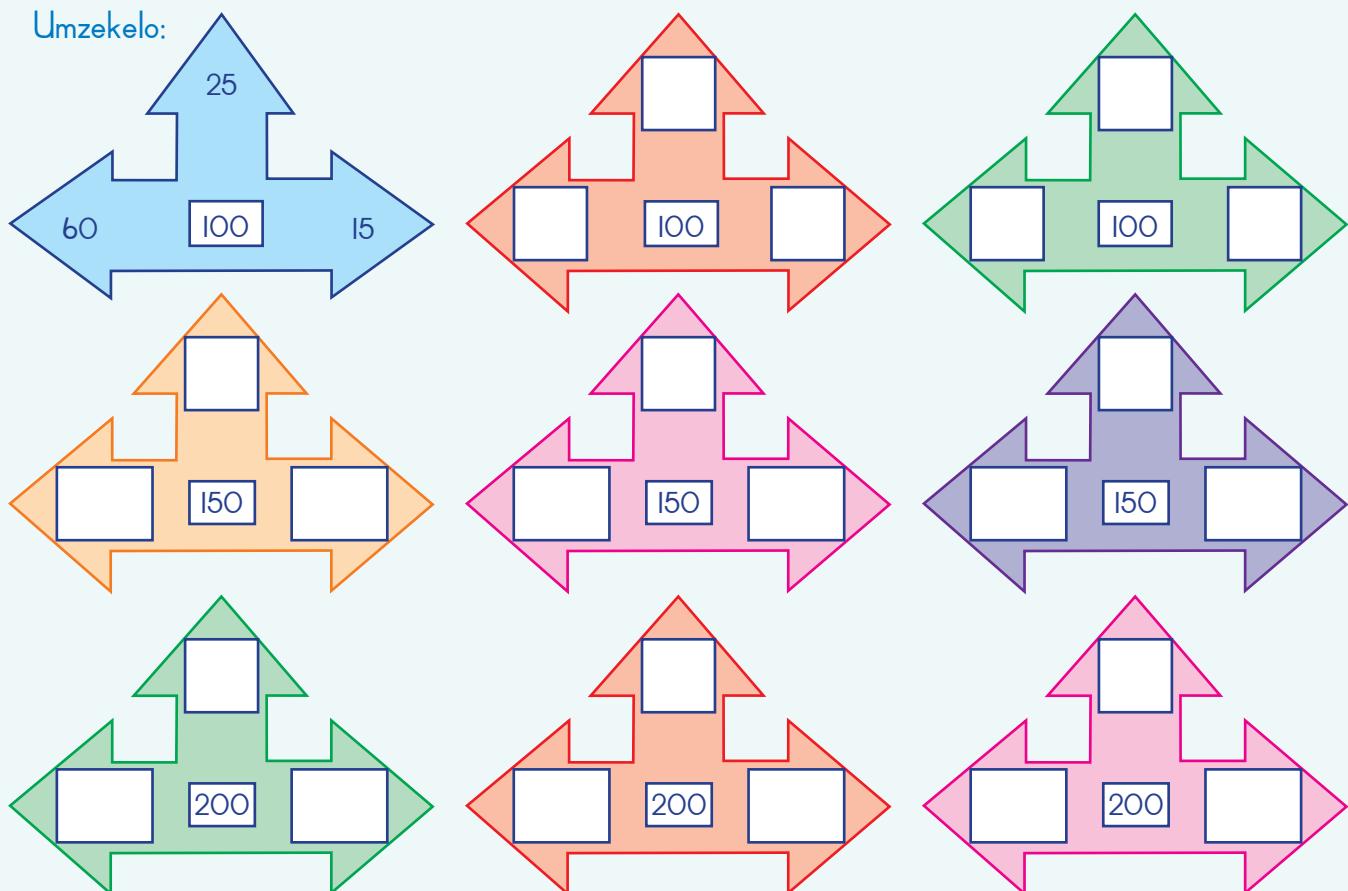
Ke ngoku
dibanisa
amanani!



Iintsapho zezithathu

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

Umzekelo:



Ibe ngaphetzulu 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								



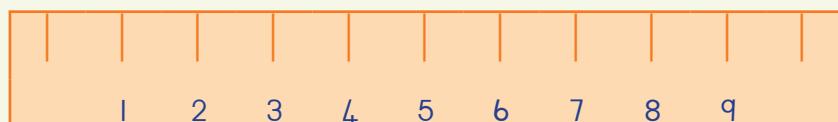
40



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.

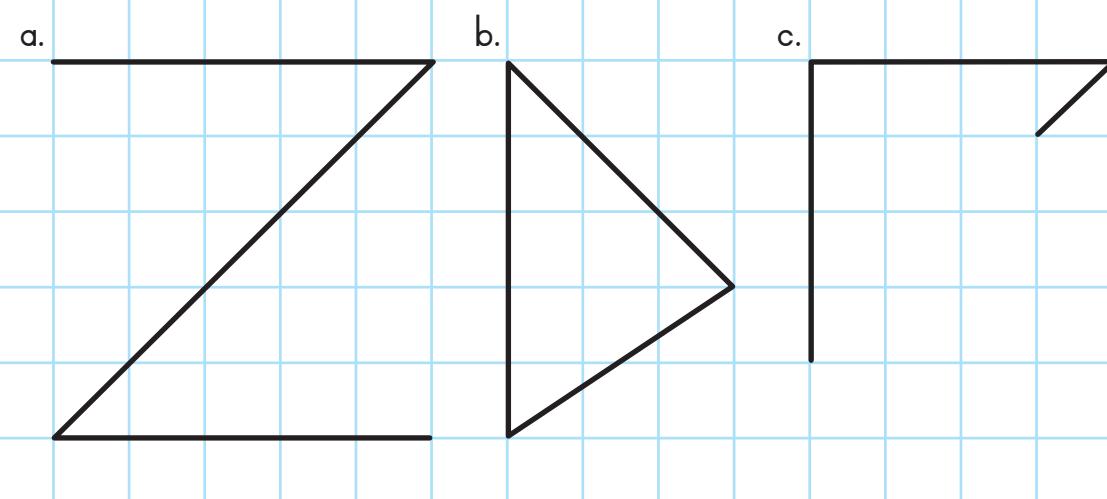
Ezinye iirula azimbonisi u -O njengalapha kweli phepha.

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?

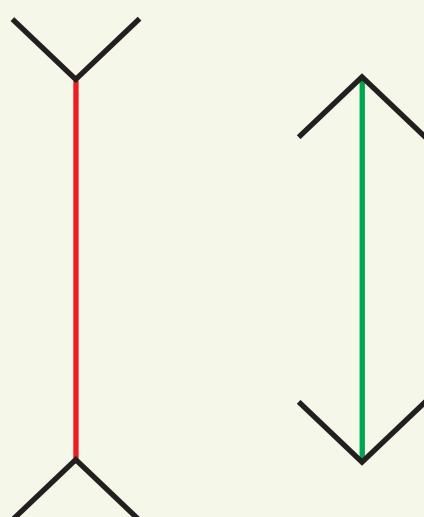
a.	—	<input type="text"/> cm	d.		<input type="text"/> cm
b.	—	<input type="text"/> cm	e.	—	<input type="text"/> cm
c.	—	<input type="text"/> cm	f.	—	<input type="text"/> cm



Uqinisekile?

Ngowuphi omde, ngumgca obomvu okanye ngumgca oluahlaza?

Ungayijonga njani?

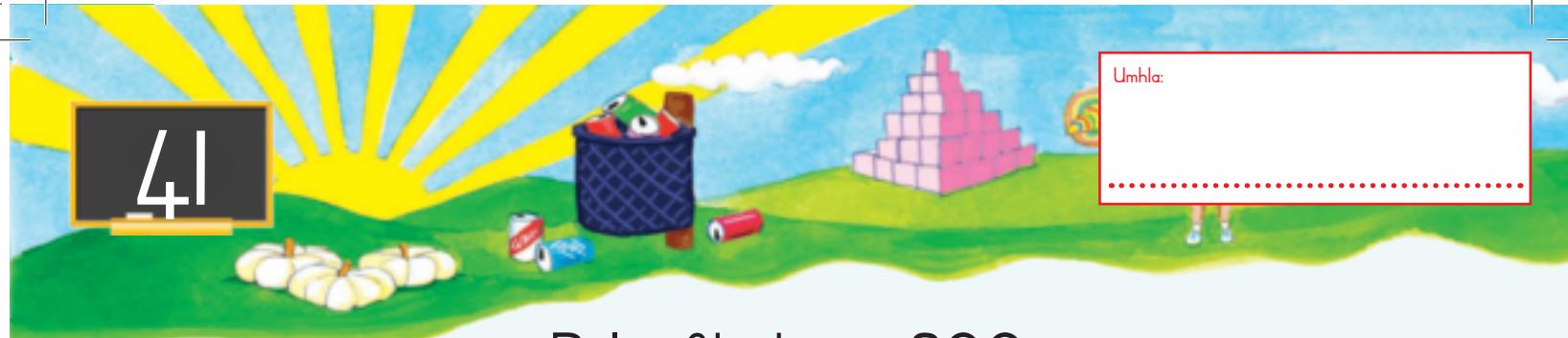


Oku kubizwa ukudideka kwamehlo. Kwenzeka xa amehlo elingwa ngokuboniswa into engekhoyo. Le migca iyalingana ngobude. Imigca emnyama ephumela ngaphandle yenza umgca obomvu ukhangeleke umde ze imigca emnyama ejonge ngaphakathi yenze umgca oluahlaza ukhangeleke umfutshane.



11 12 13 14 15 16 17 18 19 20

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

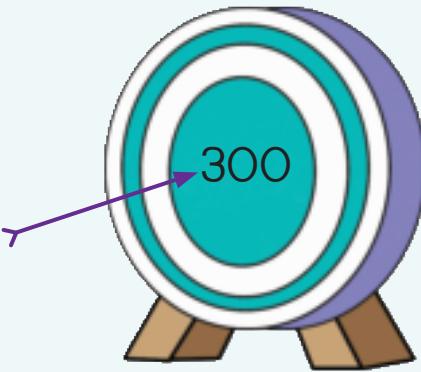


Umhla:

Bala ufile kuma-300



Bala ubhale ama-200

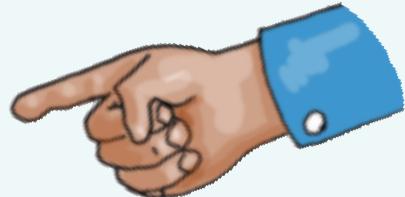


Bala ukusukela kuma -201 ukuya kuma -300.

Khomba njengokuba uhamba.

Zalisa iibloko ezizuba kuqala.

Bhala onke amanye amanani ashiyelelweyo.



Bhala amanani ali -10 aza emva kwama -300.

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

42

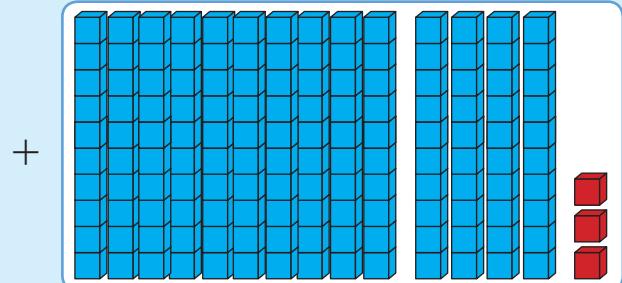
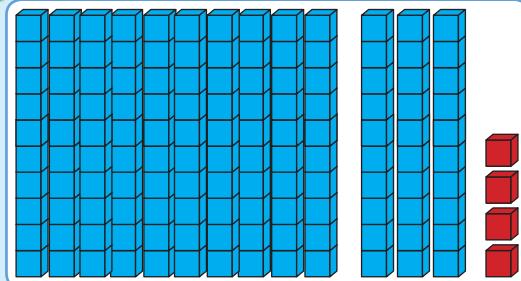
Umhla:

Ikota yesi-2



Ukudibanisa nokuthabatha ngama-100

Ukusebenzisa iibloko ukuze udibanise



$$100 \boxed{3} 0 \boxed{4} +$$

$$100 \boxed{4} 0 \boxed{3}$$

$$= 200 \boxed{7} 0 \boxed{7}$$

$$= 277$$



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

$$\begin{aligned} &\cancel{\text{I32 + I23}} \\ &= 200 + 50 + 5 \\ &= 255 \end{aligned}$$

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

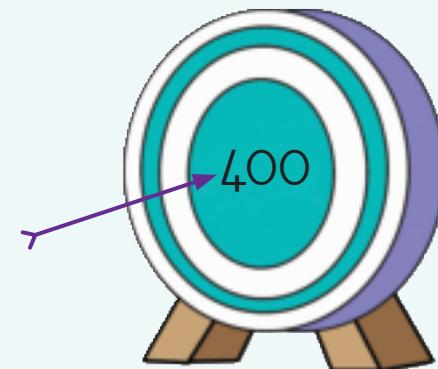


Ukubala nokubhala ama -400

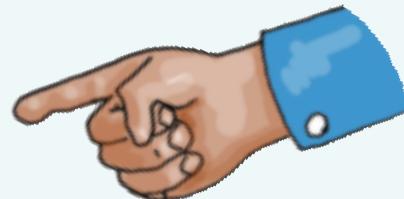
Bala uqale kuma -300 ukuya kuma -400.

Wabize amanani njengokuba usiya phambili.

Bhala amanani angekhoyo kwigridi.



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

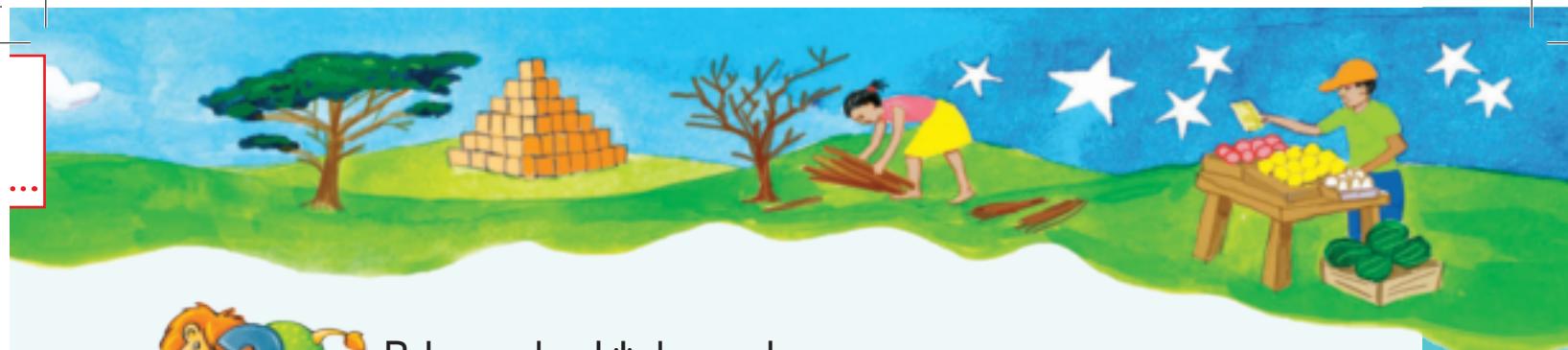


Bhala amanani ali -9 alandela ama -400.

400; _____; _____; _____; _____; _____; _____; _____; _____; _____;

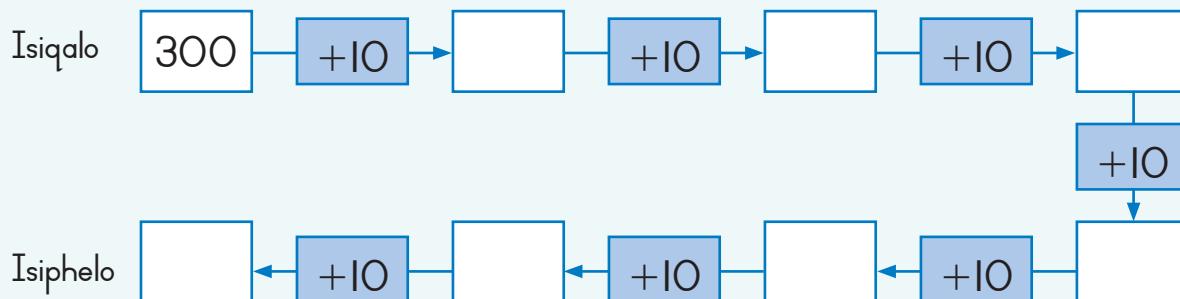
100

1 2 3 4 5 6 7 8 9 10

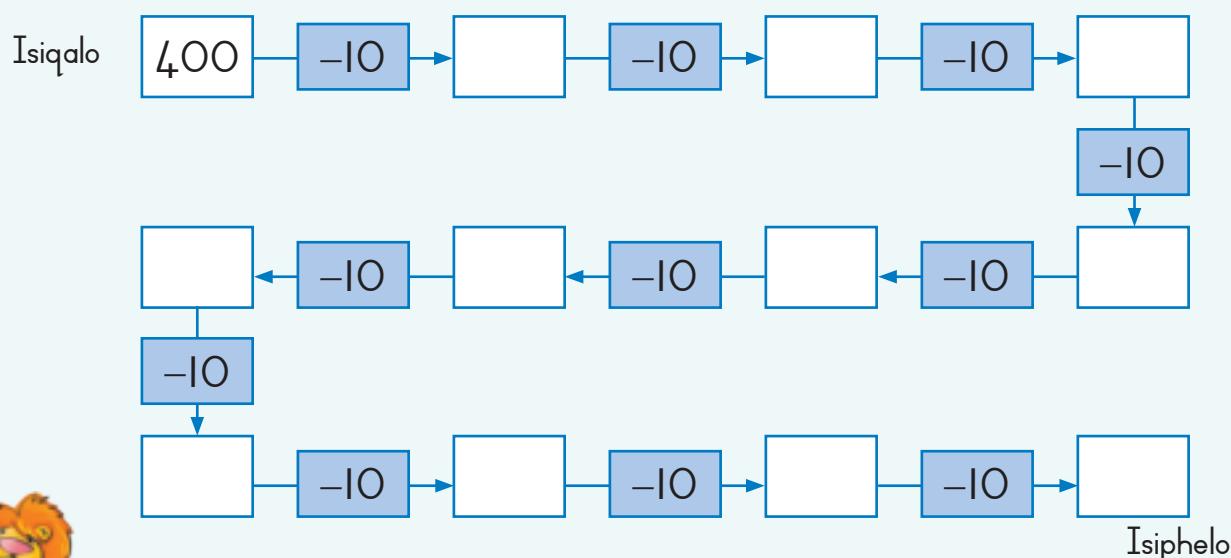


Bala uye phambili okanye ubuye umva

- 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:

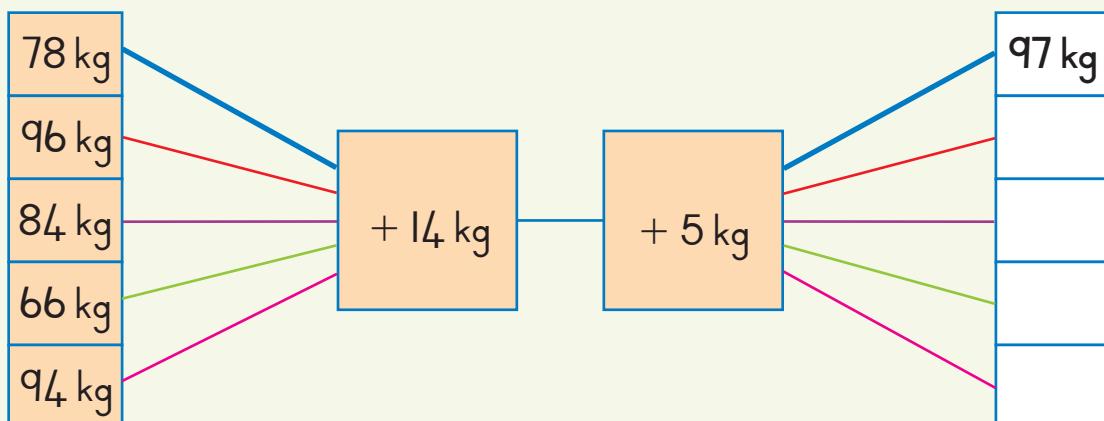
44

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



Ndisenokungabi nzima njengawe Fudo, kodwa ngokuqinisekileyo ndiyakhawuleza kunawe!

Amanyathelo

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



	Ndiyaqikelela	Ndiyabala	Umahluko
+			
+ +			
+ +			



Ubunzima bukaVusi

Qaphela. Thelekisa. Lungisa.

UVusi udibanza ubunzima bakhe kobe no .

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



Bungakanani ubunzima bam?

Dlalani kwiqela. Tshintshiselanani ...

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



45



Umhla:

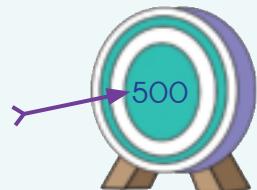
.....

Ikota yesi-2



Bala uze ubhale

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



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

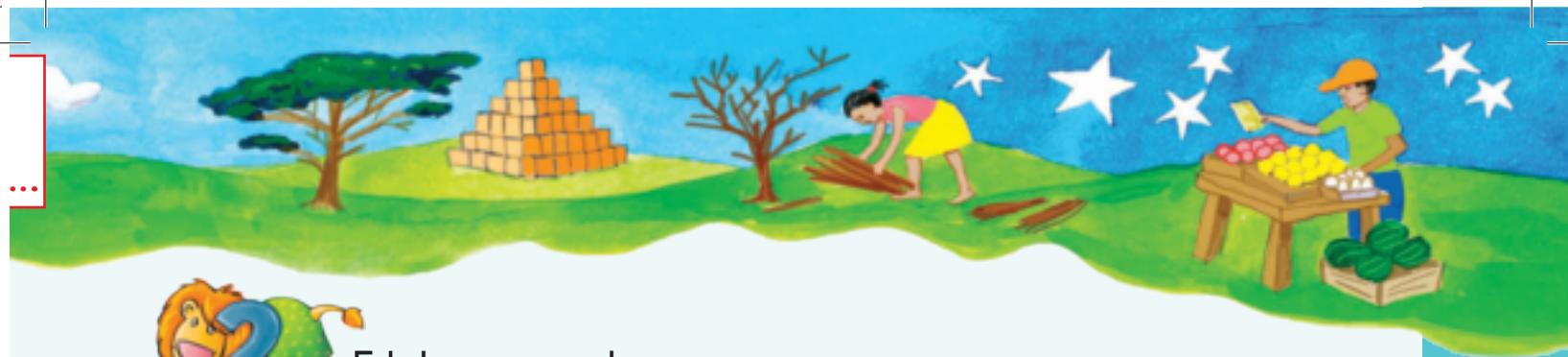
500; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

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

400; 402; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

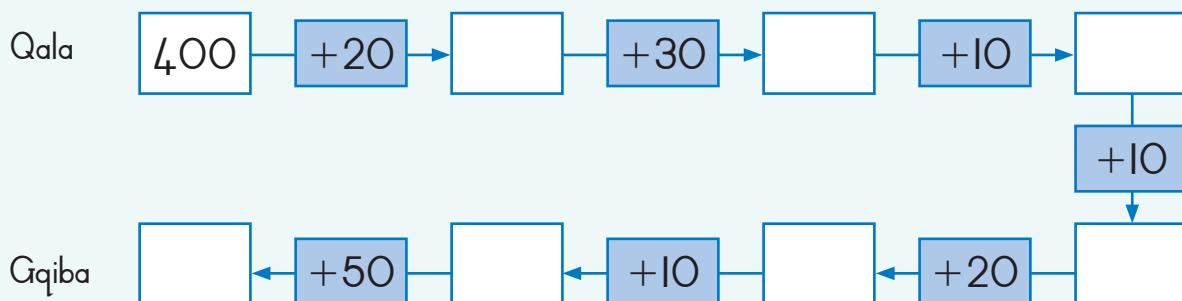
- e. Bala ngezi -5. Bhala amanani asi -8 alandelayo **kwipatheni yezi-5**.

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

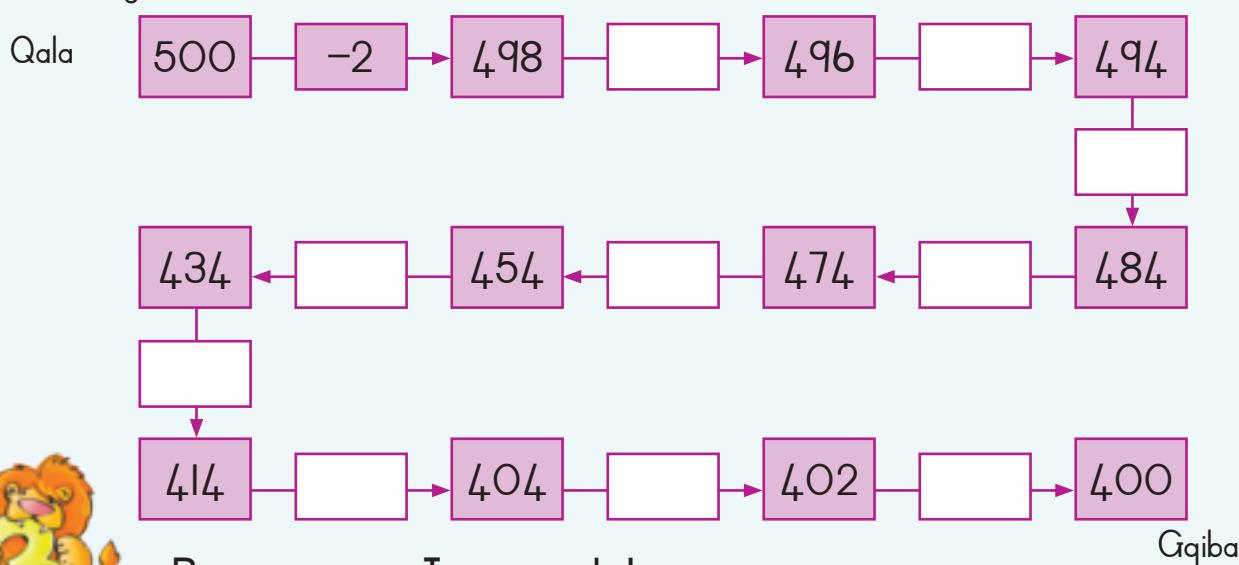


Fakela amanani ashijiwéyo.

- a. Bala uye phambili ukusuka kuma -400.



- b. Bala ubuye umva ukusuka kuma -500.



Bonisa amanani. Jonga umzekelo.

Zithini iziphumo?

Sebenzisa amakhadi amanani ubonise isiphumo ngasinye.

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

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

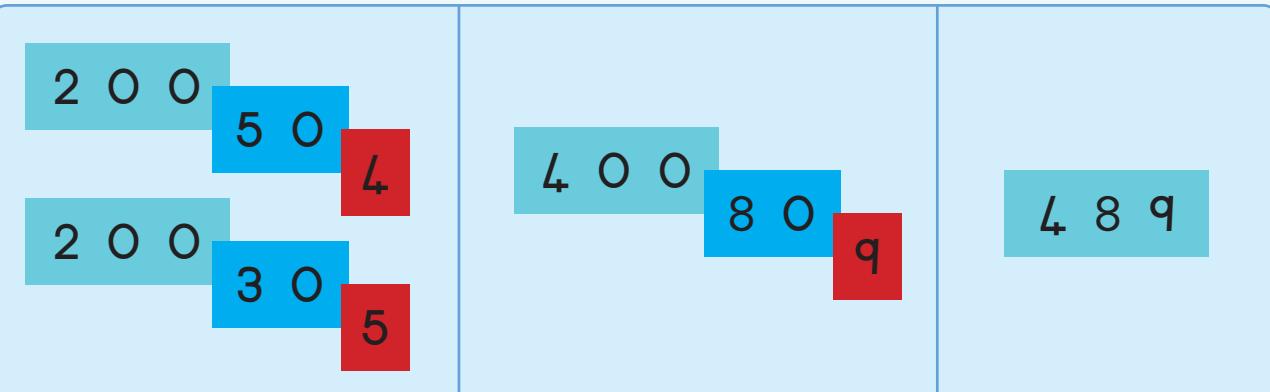


46

Umhla:

Ikota yesi-2

Okunye ukudibanisa nokuthabatha



Siza kusebenzisa indlela yokudibanisa kaBusi nekaDumi.

a. $245 + 231$

Indlela kaBusi

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



Indlela kaDumi

$$\begin{aligned}
 &\cancel{2}4\cancel{5} + \cancel{2}3\cancel{1} \\
 &= 400 + 70 + 6 \\
 &= 476
 \end{aligned}$$

b. $278 + 136$

c. $265 + 148$



Siza kusebenzisa indlela yokuthabatha kaBusi nekaDumi.

a. $476 - 324$

Indlela kaBusi

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



Indlela kaDumi

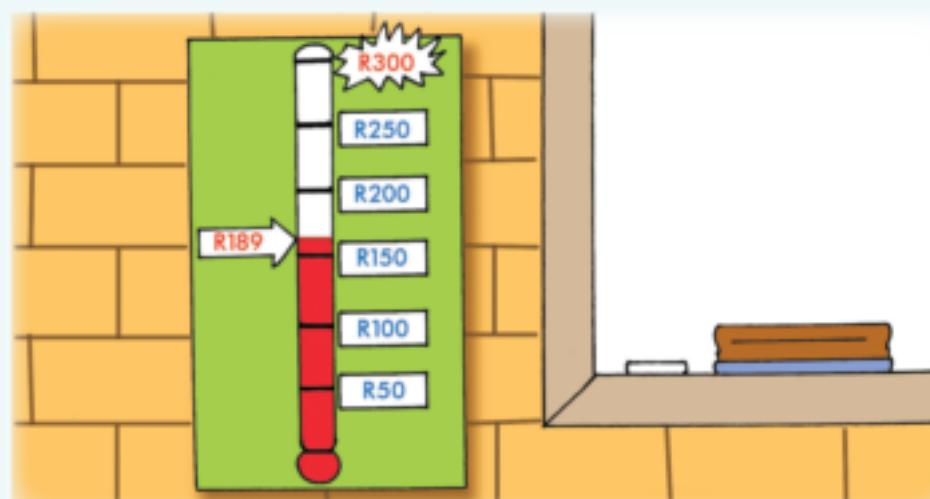
$$\begin{aligned} &\cancel{4} \cancel{7} 6 + \cancel{3} \cancel{2} 4 \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$

b. $489 - 456$

c. $482 - 161$



Ukufikela kwithagethi



Jongisia umfanekiso.

Kusafuneka malini ukuze kufikwe kwinjongo yakho?

R



Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

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

107

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?

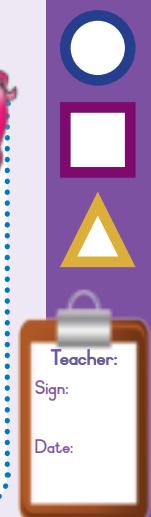
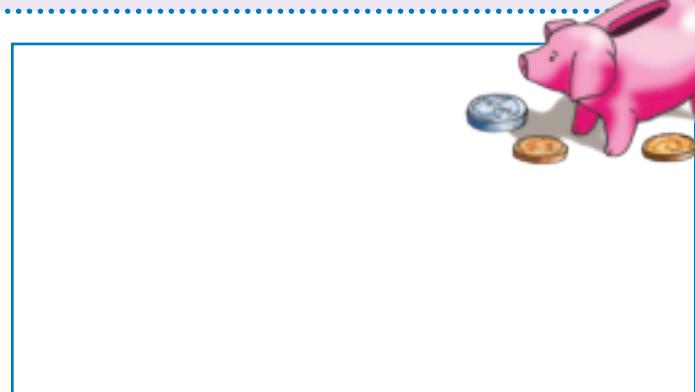


Yeyiphi engaphenzulu?

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

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

Khangela. Thelekisa. Lungisa.



II I2 I3 I4 I5 I6 I7 I8 I9 20

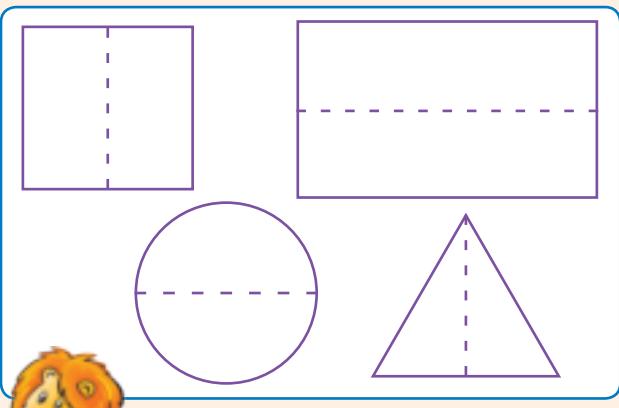
48

Umhla:

Ikota yesi-2

Umafana twatse

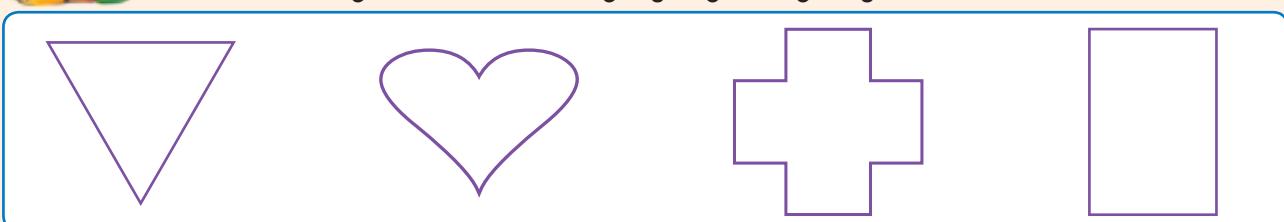
Uqaphela ntoni ngezi milo?



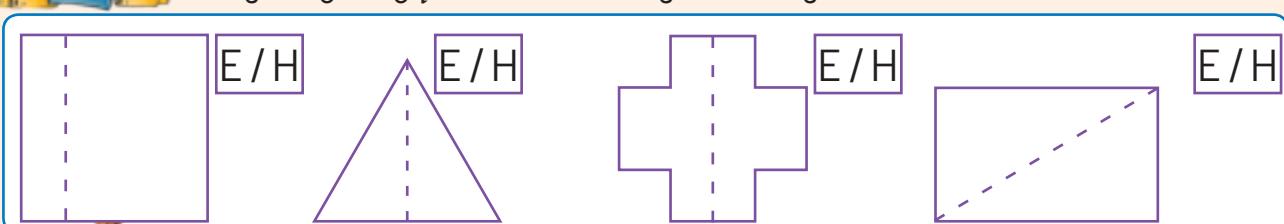
Umgca kamatwatotse (wesimetri) wahlula imilo ibe ziziqingatha ezibini ukuze isiqingatha ngasinye sifane twatse nesinye oku komfanekiso wakho esipilini.



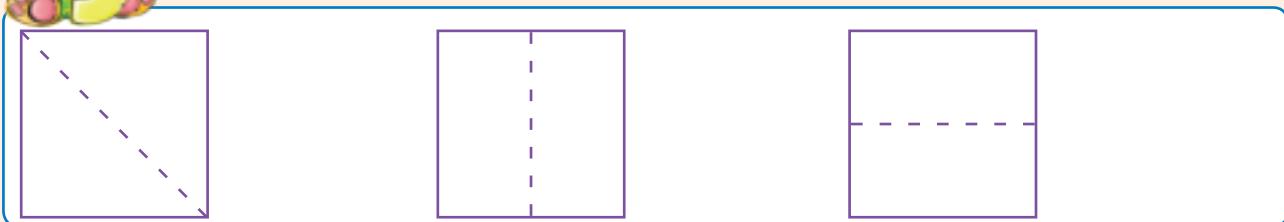
Krwela umgca owahlula imilo nganye ngokulinganayo

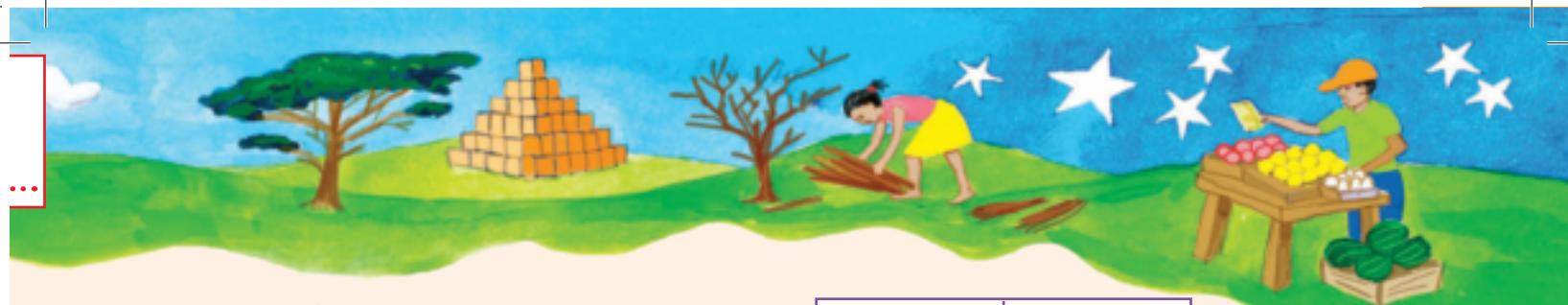


Ingaba umgca ochokoziweyo ngumgca owahlula ngokulinganayo okanye asinguwo?
Biyela ngesangqa u-E (EWE) okanye u-H (Hayi).



Ingaba ngumgca kamafana twatse lo? Ngoba kutheni?

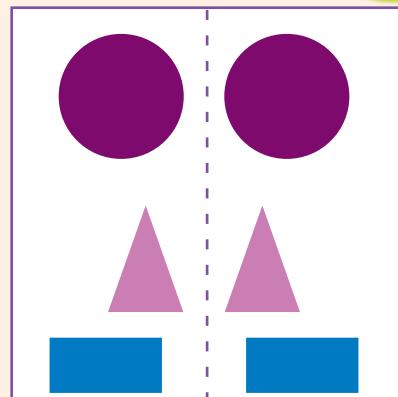




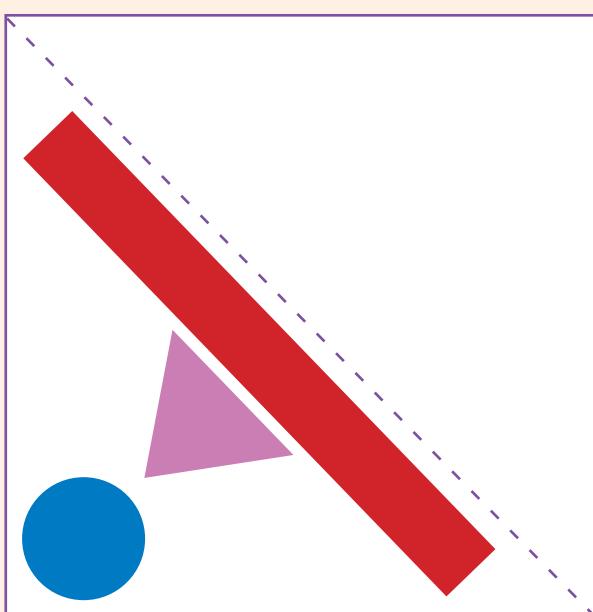
Zoba iimilo wenze umfanekiso kamatwatotse.

Sikwenzele owokuqala.

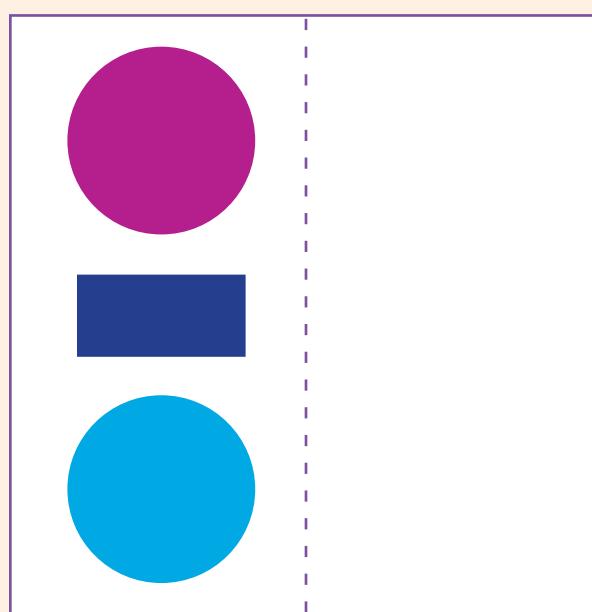
a.



b.



c.



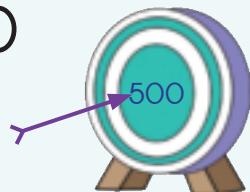
Ziyilele eyakho
ikhaphethi
kamatwatotse
usebenzise iimilo.



49



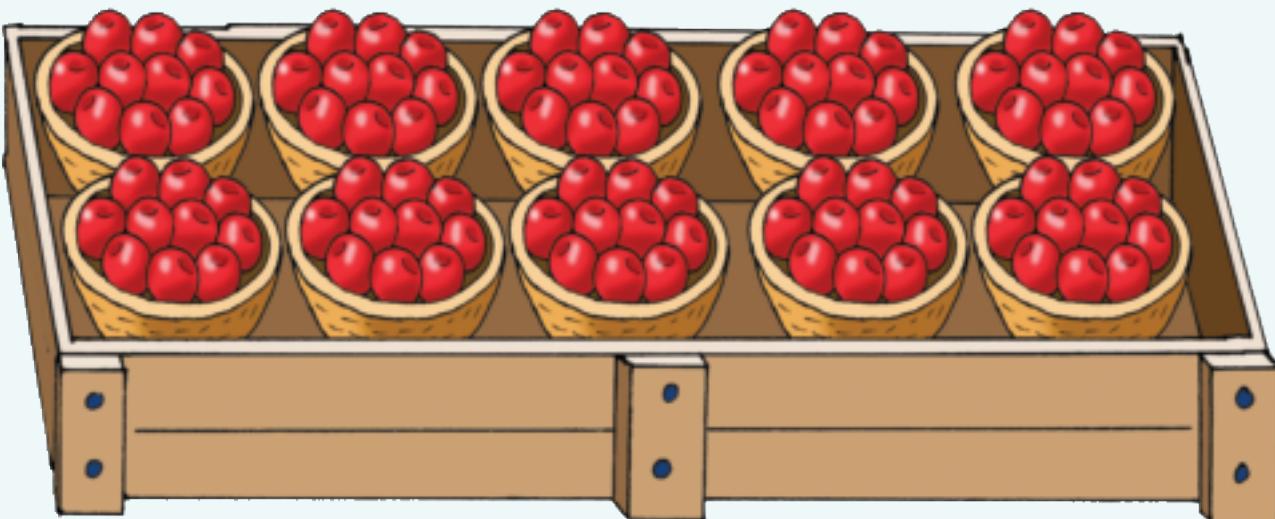
Umhla:



Ukuya kuma - 500



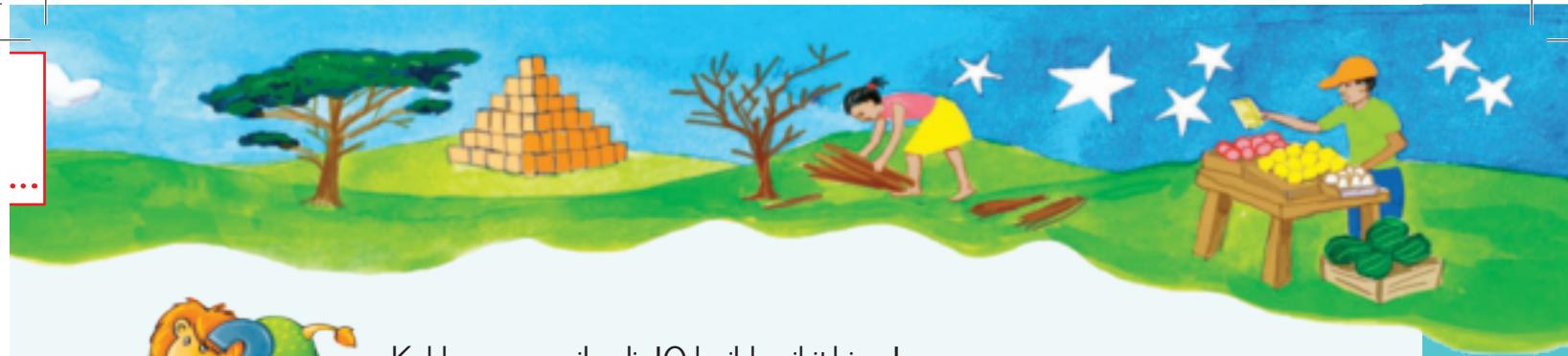
Bala ama-apile



Gqibezela uphindaphinde

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

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

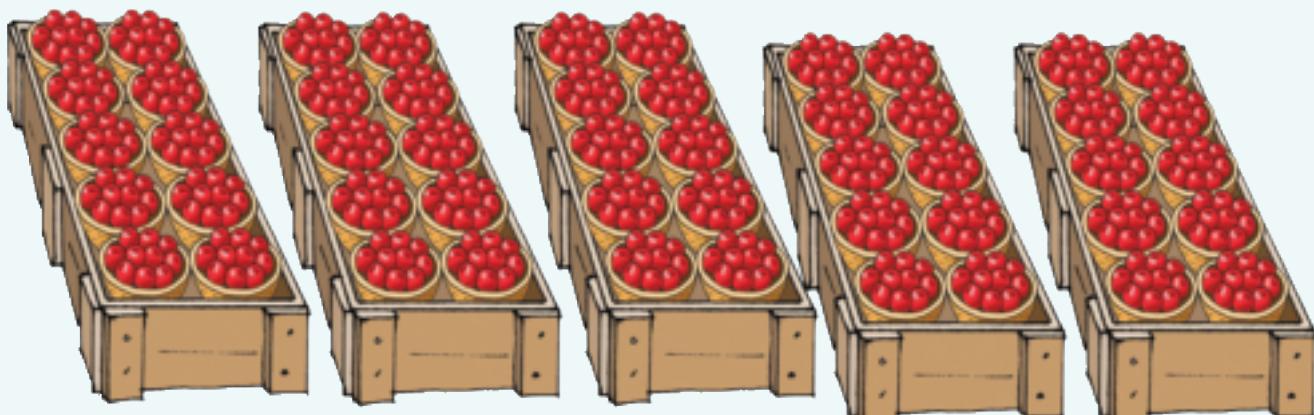


Kukho ama-apile ali -10 kwibhasikithi e -l.

Kukho iibhasikithi ezi _____ kwibhokisi enye.

Kukho ama-apile a _____ kwibhokisi enye.

Mangaphi ama-apile akhoyo ewonke? _____



Ukubala, ukubonisa nokubhala

300

40

5

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

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

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

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

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



50

Umhla:

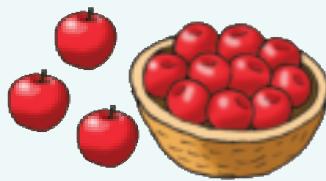
Ukuphindaphinda nokwahlula (10)



Ukubala ama-apile

Gqibezela itheyibhile

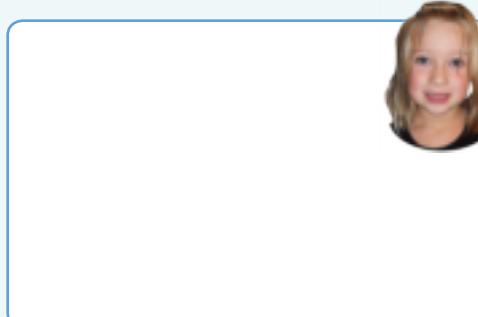
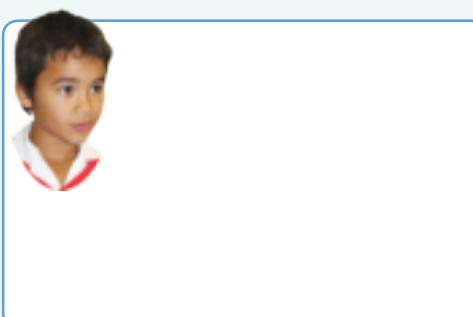
Zingaphi iibhasikithi ezinama-apile?



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

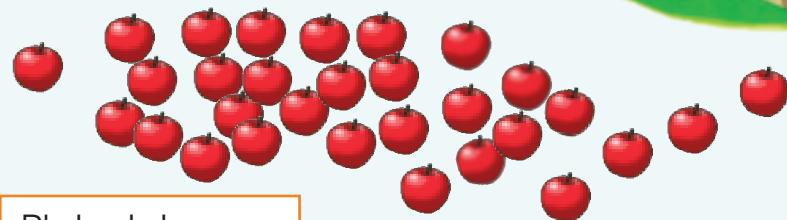
$$\boxed{} \div \boxed{} = \boxed{}$$

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

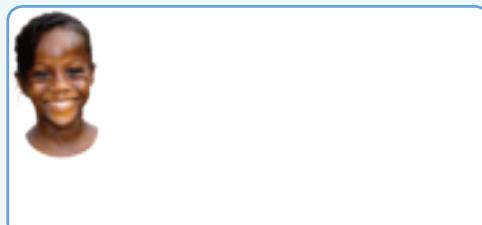




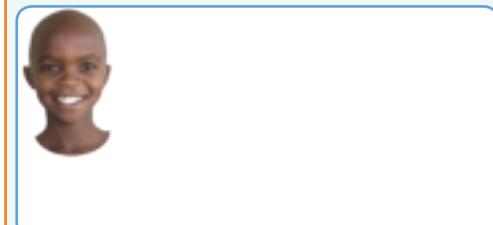
b.



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 _____

\times _____



b. \div _____

\times _____



c. \div _____

\times _____



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

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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; _____; _____

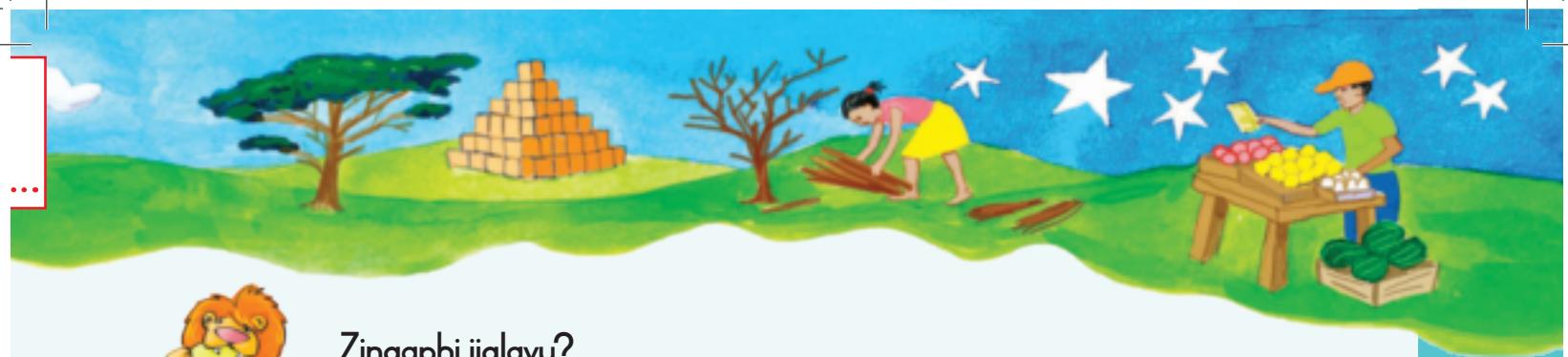


Izibini zeeglavu



- 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

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

Gangatha ngeethayile



Ucwangcwiso Iwegadi

UNkosikazi Mabena uneethayile zomgangatho ezintle.

Uzisebenzisa ukugangatha ecaleni kwegadi yakhe.

Kunezikwere ezi -6 ezilinganayo.

Ndingazibeka
njani?



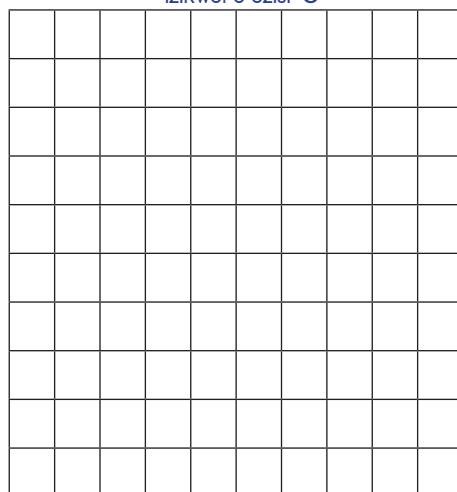
Ndingenza uluhlu olunye ngeethayile ezi -6.	Ndingenza izintlu ezi - 2 ngeethayile ezi -3 kuluhlu.	Ndingenza izintlu ezi -3 ngeethayile ezi -2 kuluhlu ngalunye.

Ngoku lithuba lakho!

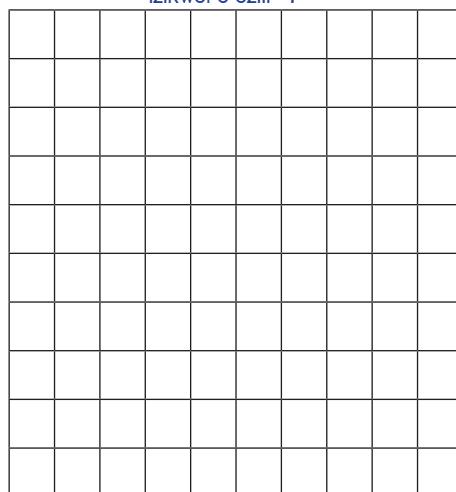
Fakela umbala kwiibloko zeethayile ubonise indlela onokuzicwangcisa ngayo izikwere zeethayile
ezi -8 nezili -9.

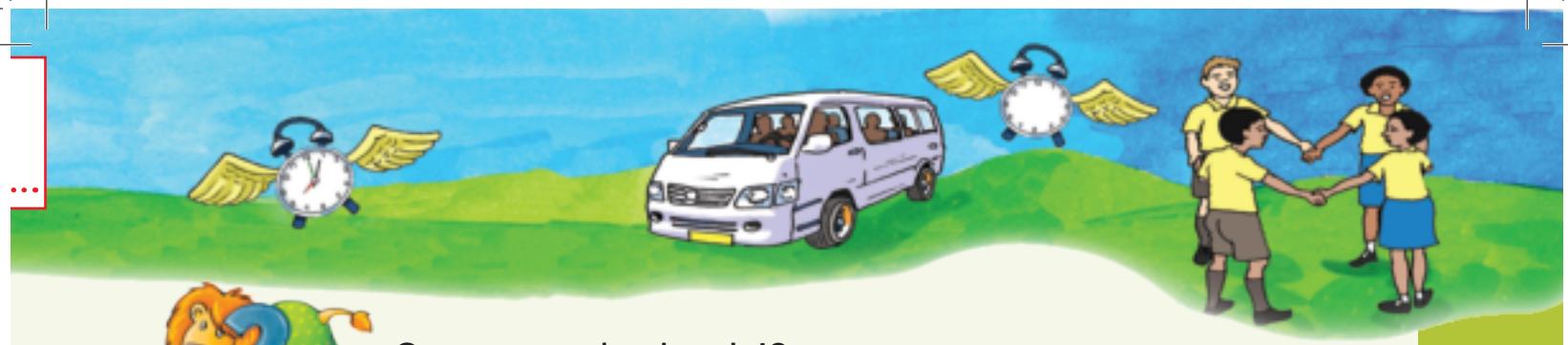
Bhala izivakalisi -manani kumzobo ngamnye.

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"/>



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Umhla:

**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



Teacher:
Sign:
Date:

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Ikota yesi-2

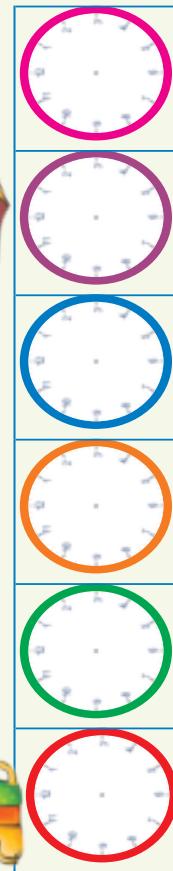
Ulkusebenza ngexesha

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



Umha.

Zoba amaxesha



Amaqhina angexesha

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

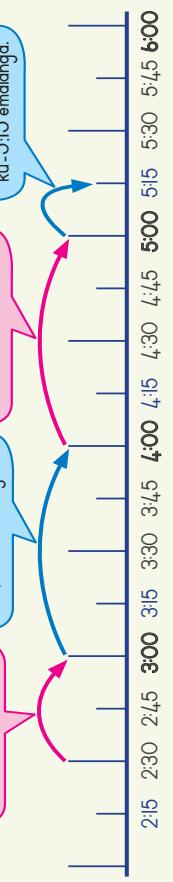


Sinokusebenza umgca-manani wexesha ukubala oko. Beku umnwé wakho ku -2:30, ixesha elilongoku.

Emva koko kufuneka utisbe kangangomkhono weyure e dkuq kufika ku -5:15 emalanga.

Emva koko xau tsiba iyure yonke ukuga phambali izakuba ueye -4:00 emalanga.

Xa ueyura isiqingadha seyure iza kuba ueye -3:00 emalanga.



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

Izibalo zexesha



Qaphela. Thelekisa. Lungisa.

Sombulula ingxaki nganue. Sebenzisa imiggac manani ikuncedise.

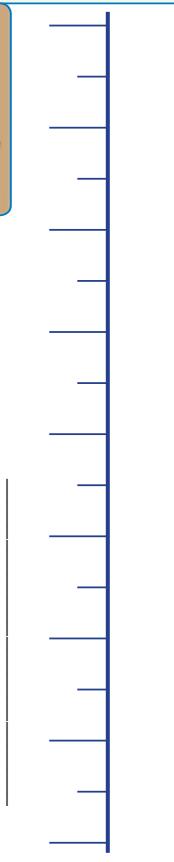
- a. UNonkolo undwendwela ultata wakhe eklinikh
nge -**15:45** emalanga. Umshiyga nge -**17:15** emalanga.
Uhala ixesha elingakanani.



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



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



1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

Umha.

Teacher:
Sign:
Date:

55

Bala ngezi-3 nangezi-4



TimbiZA ezinemilenze emi-3

Dibansisa uze ubhale
iimpendulo.

- 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.
 $2 \times 7 = \square$ $3 \times 7 \times 3 = \square$ $3 \times 4 \times 2 = \square$ $2 \times 3 = \square$

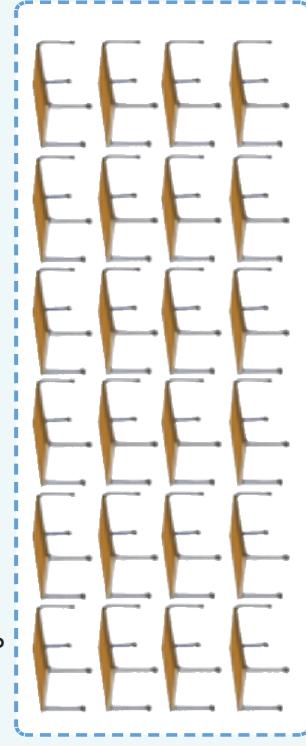


Mingaphi imilenze?

1	imbiZA	3	imilenze	10	imilenze	5	imilenze	12
2	imbiZA			15	imilenze	12	imilenze	
5	imbiZA			13	imilenze	14	imilenze	

Ikota yesi-2

Imilenze yettafile



- a. Zingaphi ittafile kumqolo ngamnye? _____
- b. Mingaphi imilenze kumqolo ngamnye? _____
- c. Mingaphi imiqolo yeetafile? _____
- d. Mingaphi imilenze ijonke? Bonisa indella obale ngayo.



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

Kufuneka imilenze emingaphi ukuze enze enye ittafile.



Giqibezela igridi ngokufakela iimpendulo.

2	3	4	5	8	10	11	12
× 3		6					
× 4		8					



1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20



Amaqhezu: iziqingatha neekota

Yahhula iibholaa ezkwibhokisi nganyo phakathi kweebbhokisi.

• Zingaphi iibholaa kwibhokisi nganyo? <input type="text"/>	• Zingaphi iibholaa ezkwibhokisi nganyo? <input type="text"/>
• Zingaphi iibholaa ezkwibhokisi emsobo? <input type="text"/>	• Zingaphi iibholaa ezkwibhokisi emsobo? <input type="text"/>
• Leliphi iqhezu elikwibhokisi emsobo? <input type="text"/>	• Leliphi iqhezu elikwibhokisi emsobo? <input type="text"/>

Jonga umfanetiso uze uphendule imibizo.



- Zingaphi iibholaa kwibhokisi nganyo?
- Zingaphi iibholaa ezkwibhokisi emsobo?
- Leliphi iqhezu elikwibhokisi emsobo?

Jonga umfanetiso uze uphendule imibizo.



Ubale izangqa ezingaphi? Nika i- $\frac{1}{2}$ sezangqa? Nika i- $\frac{2}{4}$ yezangqa? Nika i- $\frac{3}{4}$ yezangqa? Nika i- $\frac{4}{4}$ yezangqa?	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
---	--

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

Ubale izangqa ezingaphi? Nika i- $\frac{1}{2}$ sezangqa? Nika i- $\frac{2}{4}$ yezangqa? Nika i- $\frac{3}{4}$ yezangqa? Nika i- $\frac{4}{4}$ yezangqa?	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
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Zingaphi izangqa ezingaphi?
Nika i- $\frac{1}{2}$ sezangqa?
Nika i- $\frac{2}{4}$ yezangqa?
Nika i- $\frac{3}{4}$ yezangqa?
Nika i- $\frac{4}{4}$ yezangqa?

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Ikota yesi-2

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

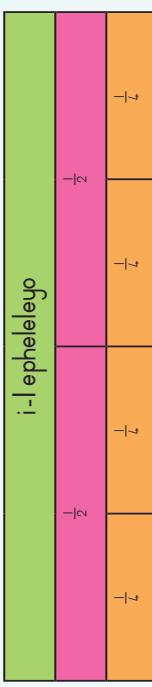
Faka umbala kwi- $\frac{1}{2}$ semilo nganye.

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

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

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

Jonga iziqwenga zamadhezu



i- $\frac{1}{4}$ epheloleyo



a. Zingaphi iziqwenga zamadhezu into enye epheloleyo?
Zingaphi iibholaa ($\frac{1}{4}$) ezija kwenza into epheloleyo?
Zingaphi iibholaa ($\frac{1}{4}$) ezija kwenza into epheloleyo?
Zingaphi iibholaa ($\frac{1}{4}$) ezija kwenza into epheloleyo?



b. Jonga imifanekiso uze ubhale iqhezu lendawo enombara.
Zingaphi iibholaa ($\frac{1}{4}$) ezija kwenza into epheloleyo?
Zingaphi iibholaa ($\frac{1}{4}$) ezija kwenza into epheloleyo?
Zingaphi iibholaa ($\frac{1}{4}$) ezija kwenza into epheloleyo?

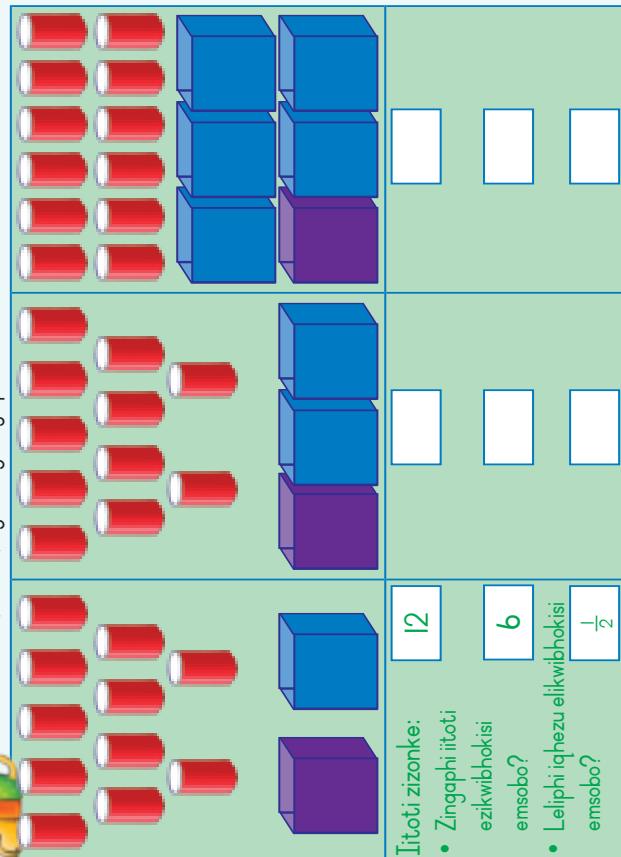


c. Leliphi iqhezu elikhulu, sisi - $\frac{1}{2}$ okanye yi- $\frac{1}{4}$?

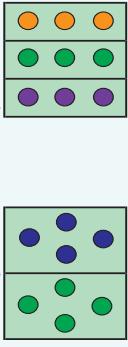
11 12 13 14 15 16 17 18 19 20

Amaqhezu: iziqingatha, izithathu nezithandathu

Yohlula iitoti (isiilinda) ngokulunganayo phakathi kweebhokisi.



Jongai imfanekiso uze uphendule imibuzo.



Zingaphri izangqa ozibalyo?

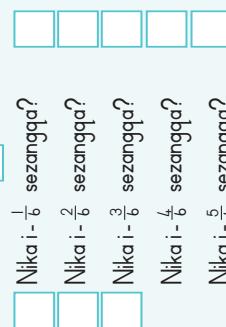
Nika isi $\frac{1}{2}$ sezangqa?

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

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

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

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



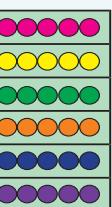
Nika isi $\frac{1}{3}$ sezangqa?

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

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

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

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



Nika isi $\frac{1}{3}$ sezangqa?

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

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

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

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

Jongai iziqwenga zamaqhezu. Gajbezela izivakali.

e-l epheloley

$\frac{1}{2}$

$\frac{1}{3}$

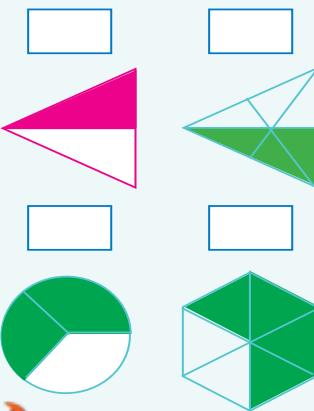
$\frac{1}{6}$

$\frac{1}{6}$



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

Bhalai iqhezu lendawo enombala.



Jongai iziqwenga zamaqhezu. Gajbezela izivakali.

$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{6}$

$\frac{1}{6}$

$\frac{1}{6}$

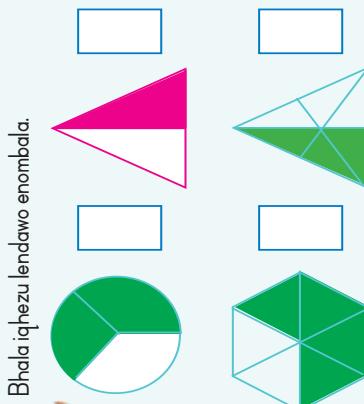
Kukho iziqingatha ezi... kwinto enye epheloley.

Kukho izithathu ezi... kwinto enye epheloley.

Kukho izithandathu ezi... kwinto enye epheloley.

Kukho izithandathu ezi... kwisiqingatha.

Kukho izithandathu ezi... kwisithathu.



Biyelungesangqa qhezu elikhulu.

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

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

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

Teacher:
Sign:
Date:

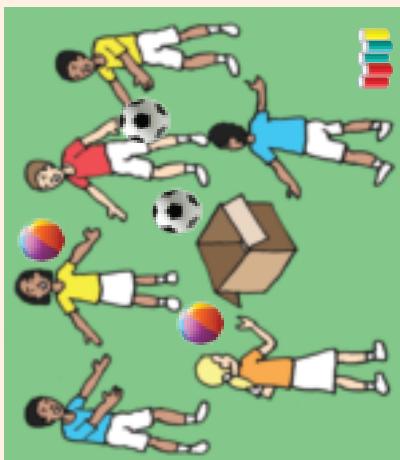


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IIkota yesi-2

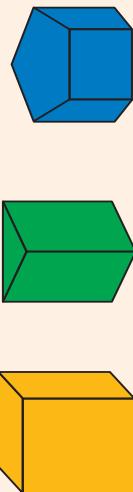
Izinto ezinemilinganiselo emi-3 (3D)

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



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 iimbuso ozincamathelesleyo:

- ityjhuhu iprizmu iprizmu Ingaba iimbuso zeprizmu zimcaba okanye zigibile?



Yenza ke ngoku isilnda ngaphephapha lo Miski 4.

Ingaba iimbuso zesilinda zimcaba okanye zigibile?

11 12 13 14 15 16 17 18 19 20



Phinda inani kabini usébenzise umgca - manani.
Sikwenzele umzékelo wokuqala.

Umzékelo
Phinda kabini
ama - 40
40 + = 80

Phinda inani kabini usébenzise umgca - manani.
Sikwenzele umzékelo wokuqala.

Umzékelo
Phinda kabini
ama - 40
40 + = 80

Phinda inani kabini usébenzise umgca - manani.
Sikwenzele umzékelo wokuqala.

Umzékelo
Phinda kabini
ama - 40
40 + = 80

Phinda inani kabini usébenzise umgca - manani.
Sikwenzele umzékelo wokuqala.

Umzékelo
Phinda kabini
ama - 40
40 + = 80

Phinda inani kabini usébenzise umgca - manani.
Sikwenzele umzékelo wokuqala.

Umzékelo
Phinda kabini
ama - 40
40 + = 80

Phinda inani kabini usébenzise umgca - manani.
Sikwenzele umzékelo wokuqala.

Umzékelo
Phinda kabini
ama - 40
40 + = 80

Phinda inani kabini usébenzise umgca - manani.
Sikwenzele umzékelo wokuqala.

Umzékelo
Phinda kabini
ama - 40
40 + = 80

Phinda inani kabini usébenzise umgca - manani.
Sikwenzele umzékelo wokuqala.

Umzékelo
Phinda kabini
ama - 40
40 + = 80

Phinda inani kabini usébenzise umgca - manani.
Sikwenzele umzékelo wokuqala.

Ukuphindaka bini nokwahlu ka bini

Usakhumbla? isi-2 sisigingathha sesi-4

isi-4 sisi-2 esiphindwe kabini

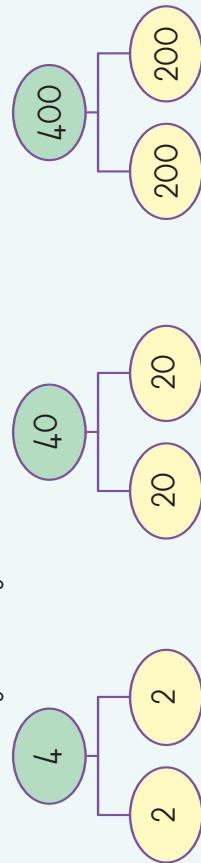
ama - 20 sisigingathha sama - 40

ama - 40 ngama - 20 aphindwe kabini

ama - 200 sisigingathha sama - 400

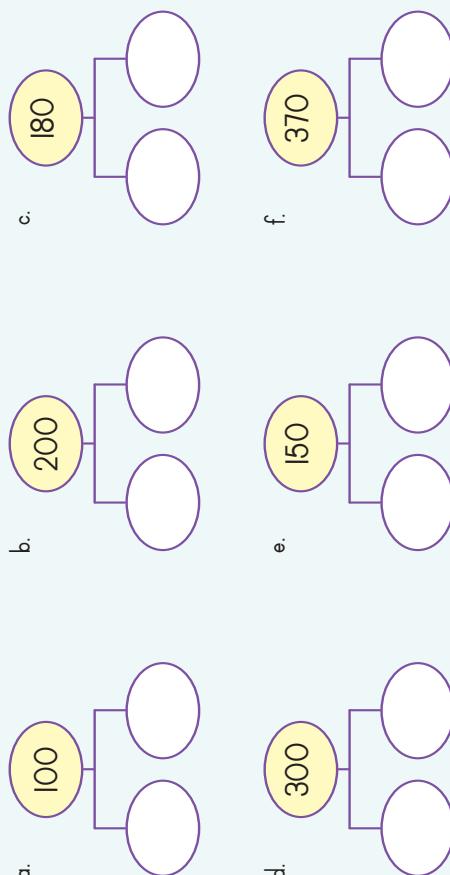
ama - 400 ngama - 200 aphindwe kabini

Khumbula! Oku singakubonisa ngomfanekiso...



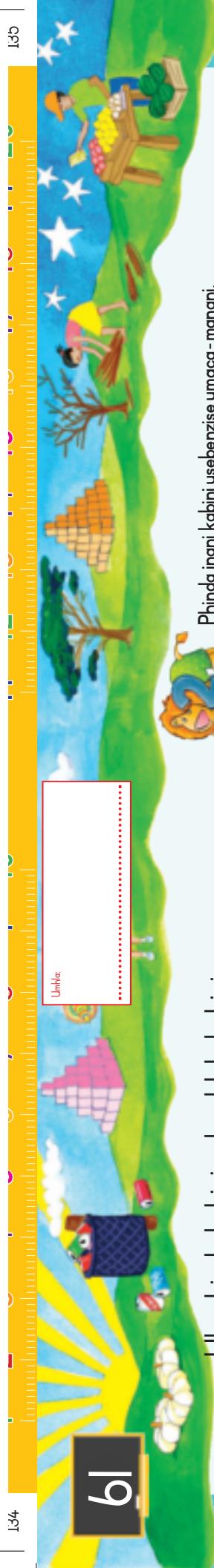
Ukufumana iziqingathha (lihafu)

- a. 100
- b. 200
- c. 180
- d. 300
- e. 150
- f. 370



bl

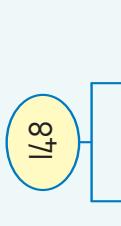
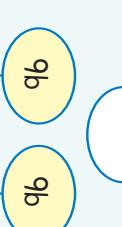
Ikota yesi-2



62

Okunye ngokuphindika kabini nokwahllula kubini

Khangela uphindaphinda kabini okanye iziqingatha

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

Gcina imali yokuthenga
ibhayisekile

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

iiveki

Intengiso

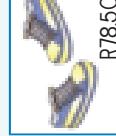
Zonke izinto ezithengiswayo zithengiswa ngesiqingatha
sexabiso. Bhala ixabiso lentengiso kufutshane nento
ethengiswayo.

- a.  Tingubo RI90
Ixabiso lentengiso _____
- b.  Amashiti RI54
Ixabiso lentengiso _____
- c.  Imaqamo R54
Ixabiso lentengiso _____
- d.  Izitilo R220
Ixabiso lentengiso _____

Ikota jesi-2

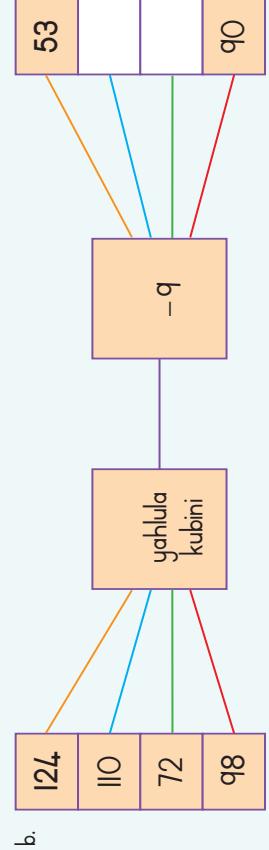
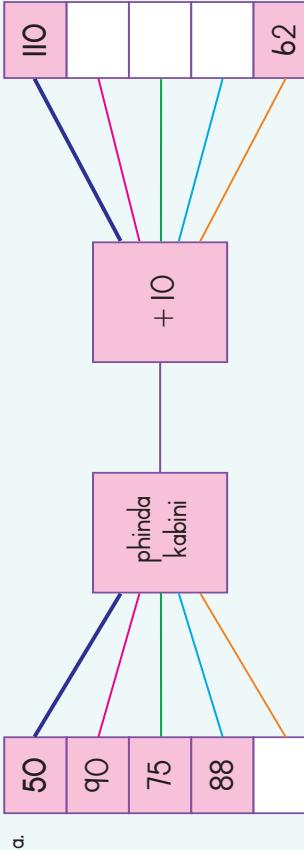
Zirandi ezingaphi?

USenzo ufuna ihempe. Unesiqingatha sesixa kuphela.



Kungena nttoni? Kuphuma nttoni?

Landela umzekelo. Gcwalisa amanan ashijuelweyo.



Intengiso R4,50

Ixabiso elisisiqingatha:



ibixabisa R900

Intengiso
ibhayisekile

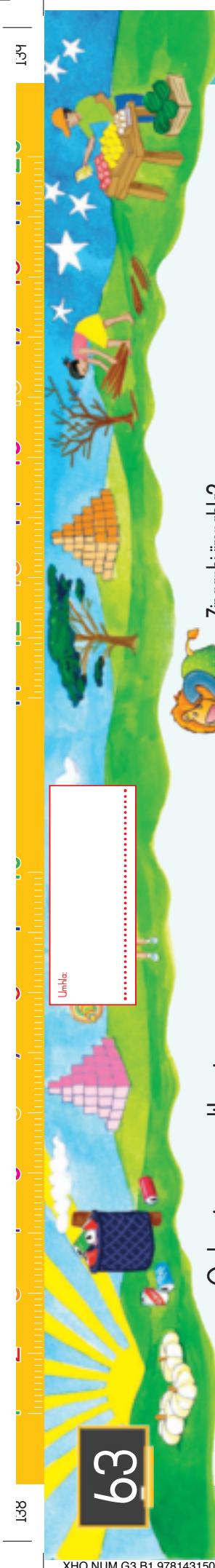
UNtsasa ugcina ama -R25 ngəveki ukuze athenge
ibhayisekile. Kufuneka agcine imali iiveki ezingaphi?

iiveki

Intengiso

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

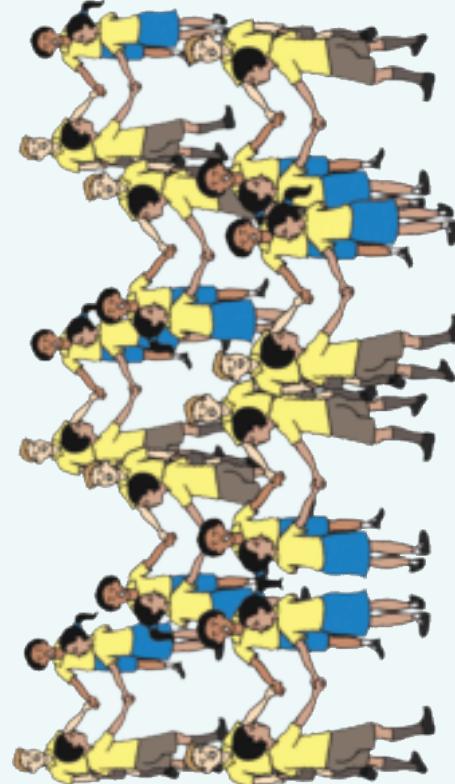
- a.  Tingubo RI90
Ixabiso lentengiso _____
- b.  Amashiti RI54
Ixabiso lentengiso _____
- c.  Imaqamo R54
Ixabiso lentengiso _____
- d.  Izitilo R220
Ixabiso lentengiso _____



Qukanisa uze udibaniise

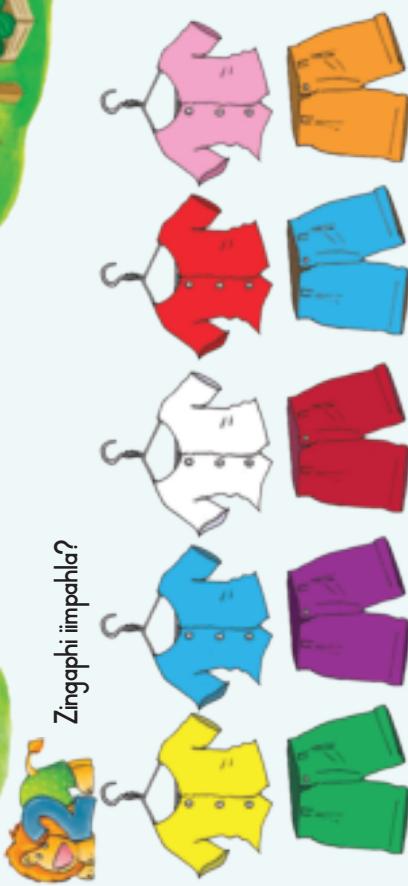
Qukanisa abantwana

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



Ikota yesi-2

Zingaphi iimpahla?



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

Umzekelelo: Thempe ezuba/bhulukhwe emfitshane ezuba. Thempe ezuba/bhulukhwe emfitshane eonejji.

Bhalaunobumba wokuqala wombala ngamnye. Bonisa zonke ezinje iimpahla ezinokwenziwa.

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



Teacher:
Sign:
Date:

Qaphela. Thelekisa.
Lunjisa.

Thelekela: Bekunokwenzekanta ntoni xa uPhindi ebenemibala emi-6
eyahlukenejo Yeehempe neebhulukhwe
ezimfitshane? 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

Khangelā umthetho

Sebenzisa umthetho ukuze ufumane amanani angekhojo.

Khangelā amanani

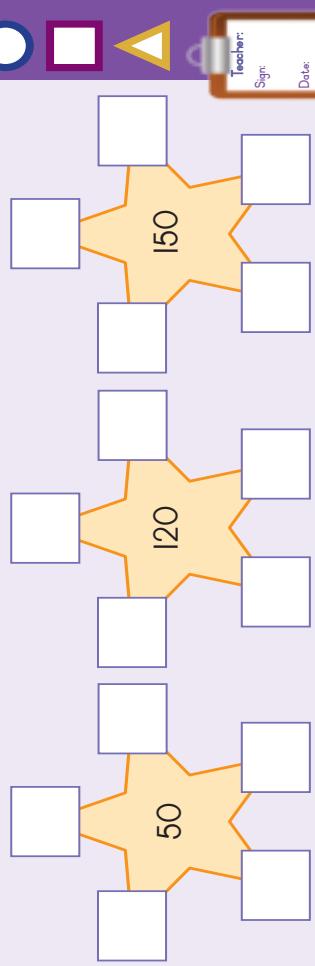
a. Umthetho: Amanani akumqolo ngamnye kufuneka amike isiphumo esili -16 edibene.

2	5	3	6
			2

b. Umthetho: Amanani ama-3 kwimiqolo exwesileyo ndakwikhola mu 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.

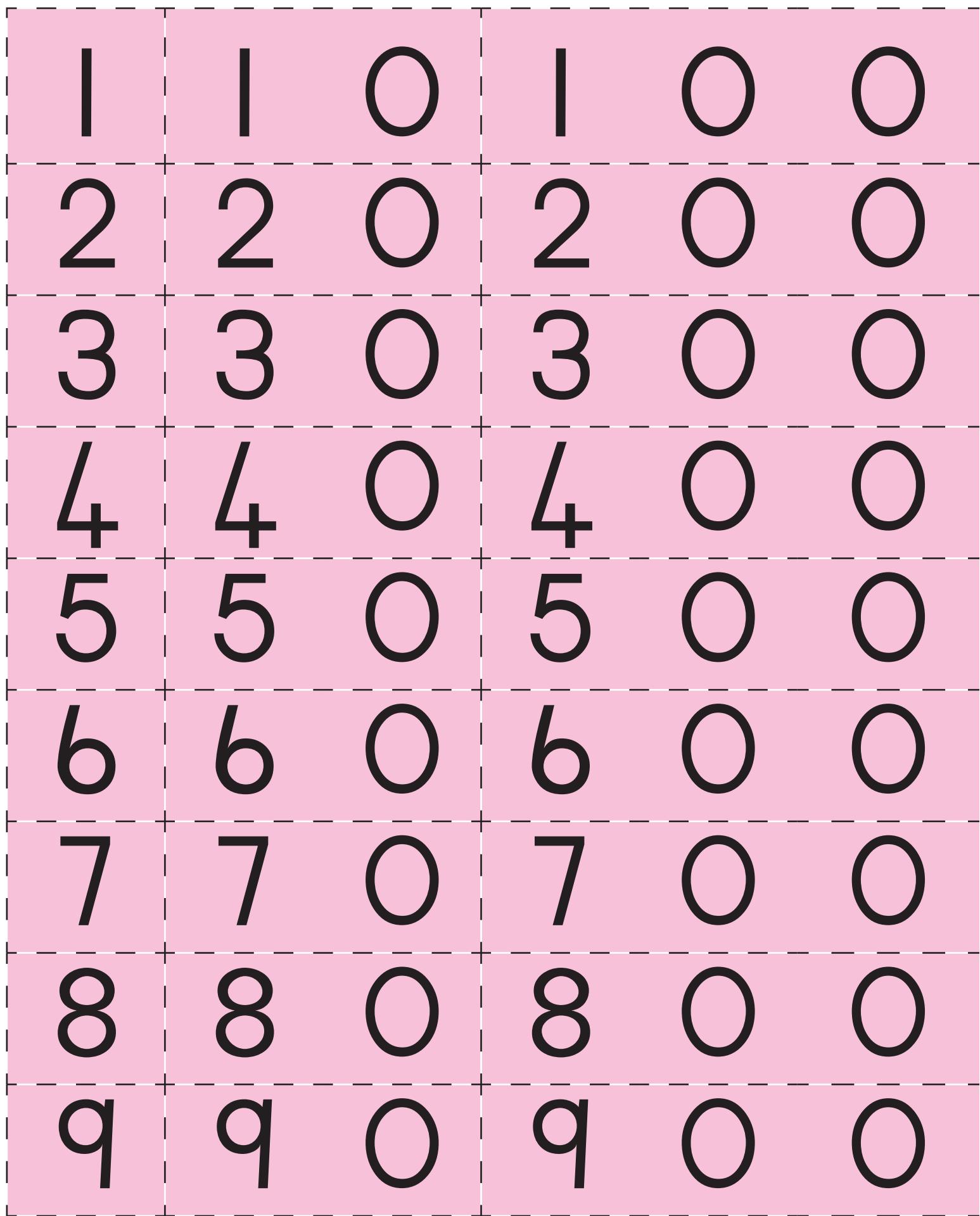


Umhlo.



Khawucinge!
Sebenzisa amanani 1, 2, 3, 4, no-5.
Amanani amathathu kumqolo ngamnye kufuneka enze 1-10 xo edibene.
Umthetho: Sebenzisa inani ingalinye kubē kanye kupheha.

Ikota jyesi-2



I O O

I O I

2 O O 2 O 2

3 O O 3 O 3

4 O O 4 O 4

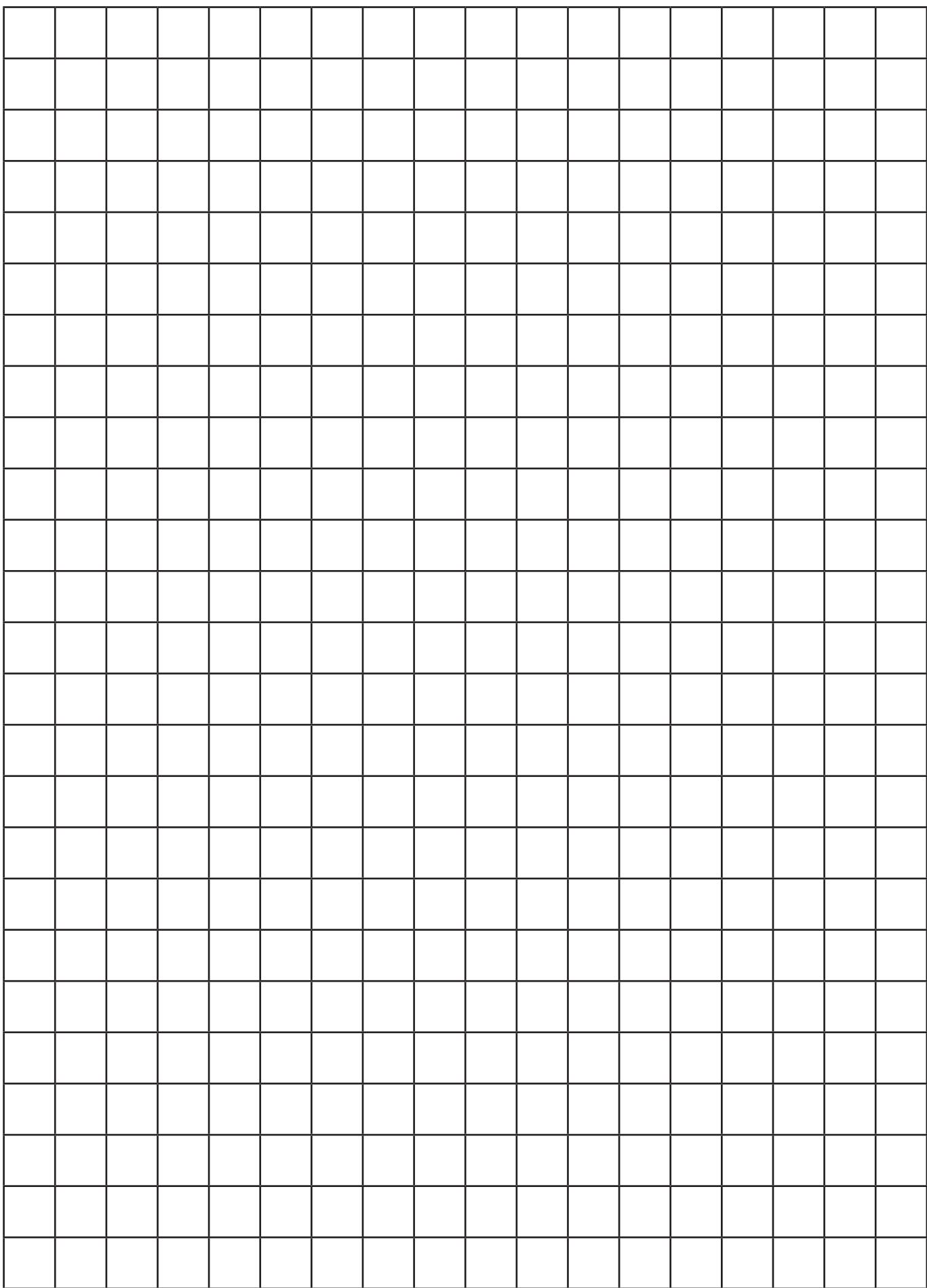
5 O O 5 O 5

6 O O 6 O 6

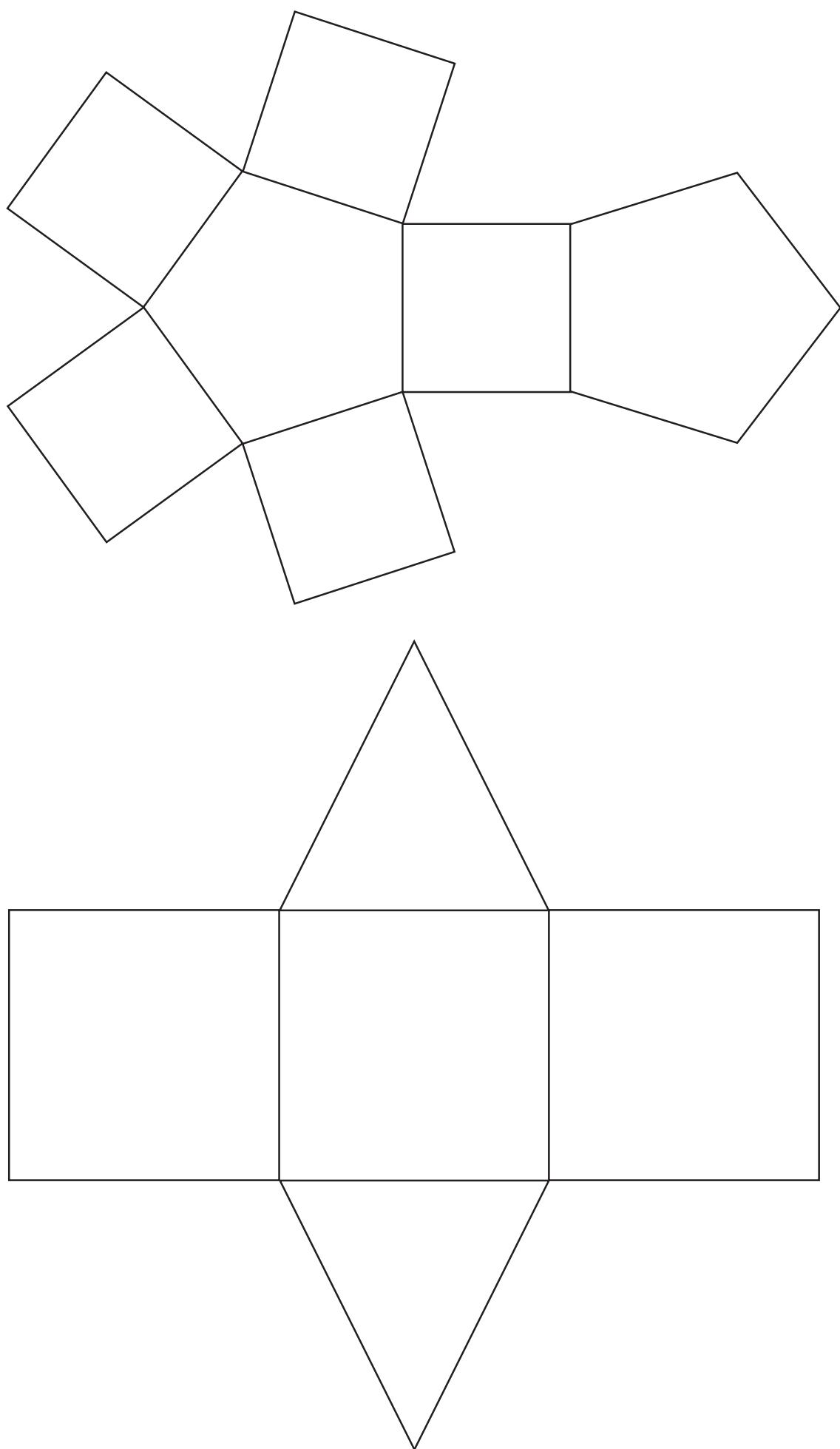
7 O O 7 O 7

8 O O 8 O 8

q O O q O q



Cut-out 3



Cut-out 4

