



UNksk. Angie Motshikga,
uMphathiswa wemfundiso
esisiSeko



UMnu. Enver Surty,
uSekela Mphathiswa
wemfundiso esisiSeko

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MATHEMATICS IN XHOSA

GRADE 3 – BOOK 1

TERMS 1 & 2

ISBN 978-1-4315-0006-2

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NOT BE SOLD.**

Ezi ncwadi zilungiselelwwe abantwana baseMzantsi Afrika phantsi kwephiko loMphathiswa weMfundiso esisiSeko uNksk. Angie Motshikga kanye noSekela Mphathiswa weMfundiso esisiSeko uMnu. Enver Surty.

Ezi ncwadi zakusebenzela, iRainbow Workbooks, lelinye lamalinge ongenelelo eSebe leMfundiso esisiSeko ajolise ekuphuculen umgangatho wabafundi beloMzantsi Afrika abakumabanga amathandathu okuqala. Njengomnye wemiba ephambili yoMkhomba-ndlela kaRhulumente, eli phulo libe nempumelelo ngenxa yenksaso-mali evela kuVimba weSizwe. Oku kuye kwenza ukuba iSebe likwazi ukuvelisa ezi ncwadi, zifumanekе ngazo zonke ilwimi ezisemthethweni ngexabiso eliphantsi.

Sinethemba lokuba ootitshala bayo kuzifumana ezi ncwadi zakusebenzela ziluncedo kakhlulu kwimfundiso yemihla ngemihla. nasekuqinisekiseni ukuba abafundi bayifikelela yonke ikharityhulam. Ukuqinisekisa ukuba utitshala uyakhokelwa kuyo yonke imisetyenzana, sisebenzise izalathisi ezibonisa oko kufanele ukwenziwa ngumfundiso.

Sinethemba lokwenene lokuba abantwana bayo 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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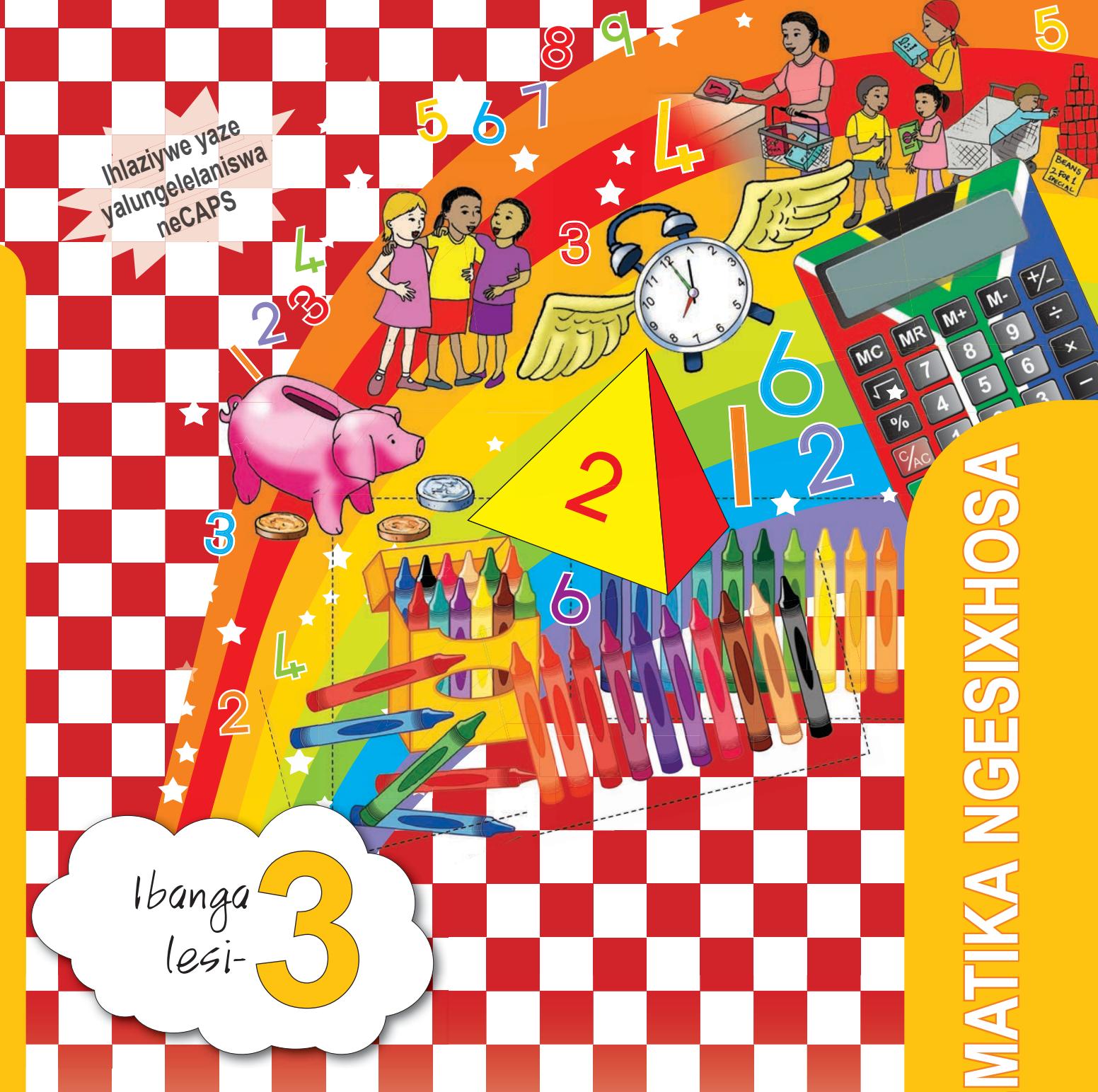
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IMATHATIKA NGESIXHOSA – Ibanga lesi-3 Incwadi yoku-1



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IMATHATIKA NGESIXHOSA

Incwadi yoku-1
Ikota 1 & 2

Iziqulatho

Inani	Isihloko	Iphepha
1	Bala, hlela, ubonise!	2
2	Ukubala ngobuchule	4
3a	Amanani akwibhodi yamakhulu	6
3b	Amanani akwibhodi yamakhulu (kusaqhutya)	8
4	Ixabiso lendawo	10
5	Ukudibanisa nokuthabatha	12
6	Amanani aphindaphindwe kabini neziqingatha	14
7	Amaqhezu	16
8	Ukuhlela imali	18
9	Iipatheni	20
10	Iibhola, iibhokisi kunye neesilinda	22
II	Zoba uze uthiye amagama iimilo ezinemilinganiselo emibini (2D) uze uzithelekise	24
12	Ixesha liyahamba	26
13	Ukulinganisa ubude	28
14	Umthamo	30
15	Ukusebenza ngobunzima (imasi)	32
16	Ukusebenza ngeenkukacha	34
17	Thelekisa uze ulandeelanise amanani	36
18	Ixabiso lendawo ukuya kuma-99	38
19	Ukubeka amashumi ndawonye xa sidibanisa ukuya kuma-99	40
20a	Bala usebenzise umgca-manani	42
20b	Bala usebenzise umgca-manani (kusaqhutya)	44
21a	Thabatha kumgca-manani	46
21b	Thabatha kumgca-manani (kusaqhutya)	48
22	Lixesha lepati	50
23	Ukubala uyokufika kuma-200	52
24	Ziqhelanise nezi-5	54
25a	Bala ngezi-2	56
25b	Bala ngezi-2 (kusaqhutya)	58
26	Imali yakudala neyangoku	60
27	Bala ngezi-3	62
28	Ziintoni izinto ezinezi-4?	64
29	Iipatheni zamanani	66
30a	Ukwahlula	68
30b	Ukwahlula (kusaqhutya)	70

Inani	Isihloko	Iphepha
31	Amaqhezu	72
32	Malunga nexesha	74
33	Bala ufiike kuma-200	76
34	Ulkusebenza ngamaqela amanani	78
35a	Ukubeka amashumi ndawonye nokuwacazulula	80
35b	Ukubeka amashumi ndawonye nokuwacazulula (kusaqhutya)	82
36	Utyelelo kugqirha wamazinyo	84
37a	Dibanisa uze uqukanise	86
37b	Dibanisa uze uqukanise (kusaqhutya)	88
38	Sombulula!	90
39	Bala	92
40	Ukulinganisa ngeesentimitha	94
41	Bala ufiike kuma-300	96
42	Ukudibanisa nokuthabatha ngama-100	98
43	Bala ufiike kuma-400	100
44	Ukulinganisa ubunzima	102
45	Bala ufiike kuma-500	104
46	Okunye ukudibanisa nokuthabatha	106
47	Phucula izakhono zakho	108
48	Umafana twatse	110
49	Ukuya kuma-500	112
50	Ukuphindaphinda nokwahlula (10)	114
51	Bala ngezibini (2)	116
52	Gangatha ngeethayile	118
53	Sebenzisa izihlanu	120
54	Ukusebenza ngexesha	122
55	Bala ngezi-3 nangezi-4	124
56	Bala ngama-50	126
57	Amaqhezu: iziqingatha neekota	128
58	Amaqhezu: iziqingatha, izithathu nezithandathu	130
59	Amaqhezu: izihlanu	132
60	Izinto ezinemilinganiselo emi-3 (3D)	134
61	Ukuphinda kabini nokwahlula kubini	136
62	Okunye ngokuphinda kabini nokwahlula kubini	138
63	Qukanisa uze udibanise	140
64	Ukonwaba ngezibalo	142
	Umsiko I	
	Umsiko 2	

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100



Ibanga
lesi-**3**

Rainbow
WORKBOOKS

Imathematika NGESIXHOZA

Le ncwadi yeka-:



ISIXHOZA

Incwadi
yoku-

I



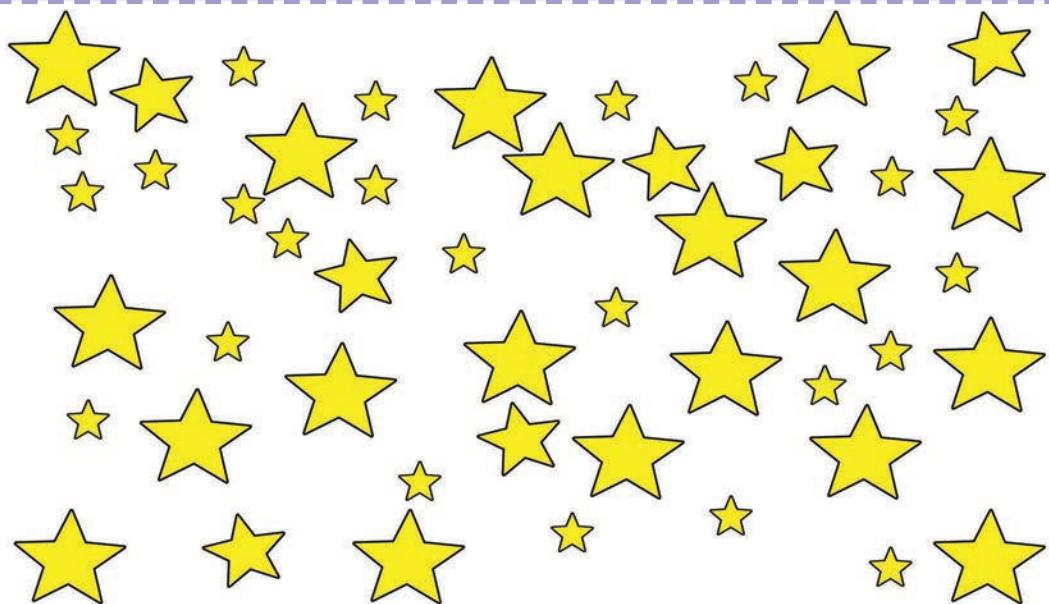
Umhla:

Ikota yoku-1



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.

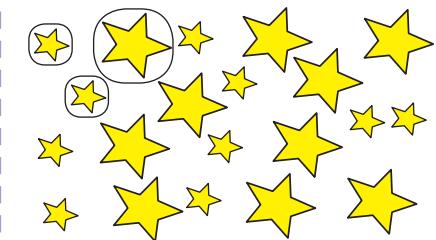
Igama				
Uqikelelo				
Inani elibaliwego				
Umahluko phakathi koqikelelo lwakho kunye nenani elibaliwego				



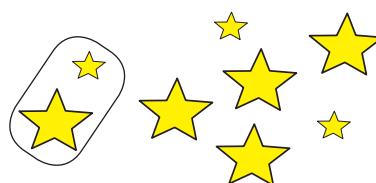
Iindlela zokubala. Sincedise sibhale phantsi.



Ndibale
ngoononye



I, 2, 3, _____



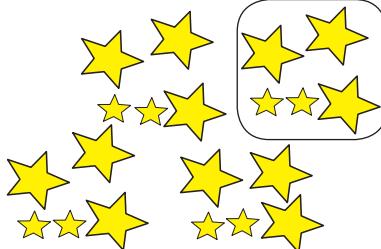
2, _____



Ndibale
ngezibini.



Ndibale
ngezihlanu.



5, _____





Ndibale
ngamashumi.



Bhala izivakalisi zamanani.

Bala inani leenkwenkwezi ezinkulu nezincinci
ezikumfanekiso okwiphepha 2.

Zibhale ngeendlela ezimbini.

Inkulu Incinci Ngolu hlubo

okanye

ngolu hlubo

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

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.



Umhla:

2

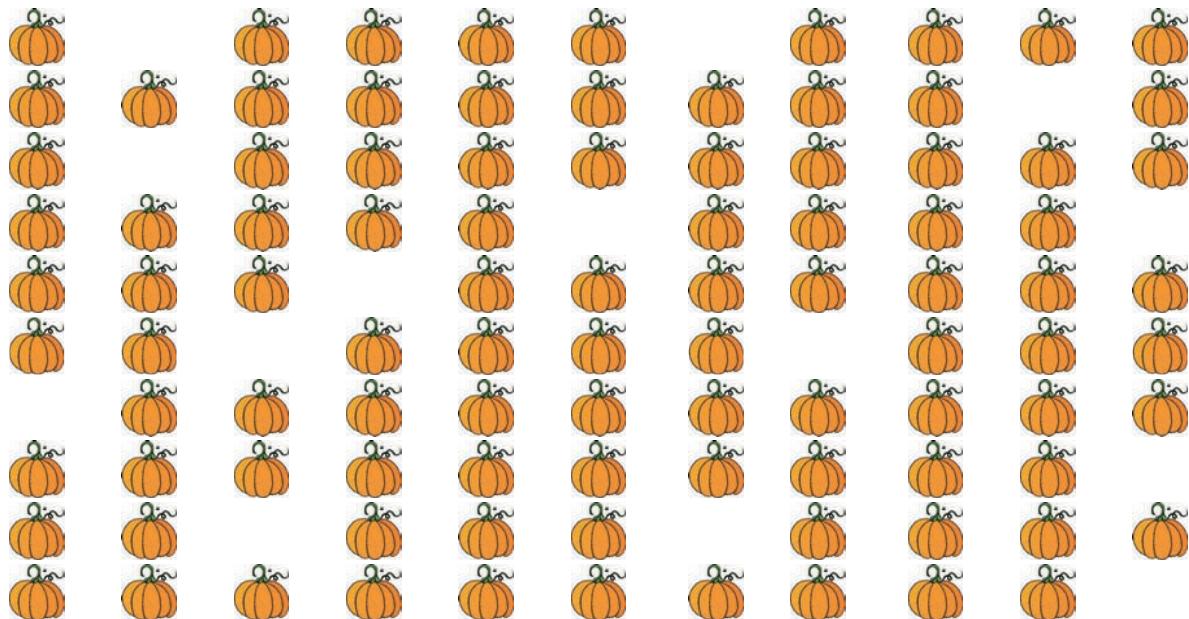


Ikota yoku-I



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)

Gqibezele 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 ngeendalela ezi-2.

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



Teacher: _____
Sign: _____
Date: _____

3a



Umhla:

Amanani akwibhodi yamakhulu



Amanani athethayo

Bala uxele amanani onke ukusukela ku-l ukuya 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 ashiyelweyo kwibloko nganye ezuba.
- Bhala amanye amanani.
- Amanani amthubi aloluphi uhlobo lwamanani?



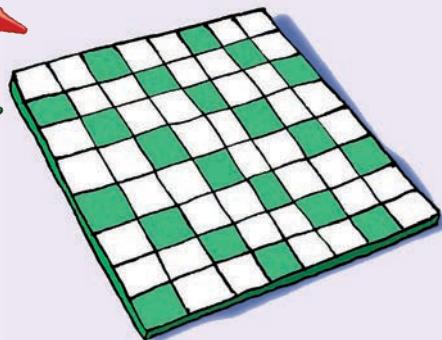
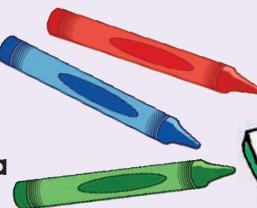
Bhala la manani ngamagama.

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

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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: _____

3b



Umhla:

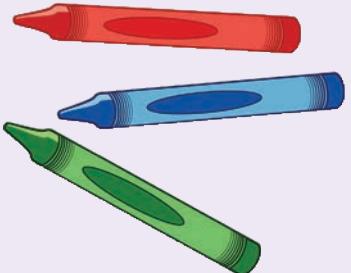
Ikota yoku-1

Amanani akwibhodi yamakhulu (asaqhutuwa)



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





Umhla:



Ixabiso lendawo



Bonisa amanani akho

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

19

43

69

54

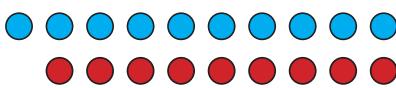
35

10

q



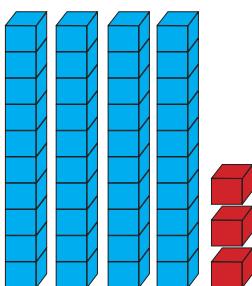
19



10 q

$$10 + 9 = 19$$

43



1	0
1	0
1	0
1	0
	3

$$40 + 3 = 43$$

Zenzele ngokwakho kula manani usebenzise umsiko woku-I.

54

35

69



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.

_____ ; _____ ; _____ ; _____ ; _____



5



Umhla:

Ikota yoku-



ULebo mde

ULebo uneepakethe zama-apile ezili-19 ekuseni.

Ushiyekelwa ziipakethe ezili-13 ngegesha lesidlo sasemini.

a. Uthengise iipakethe ezingaphi uLebo? _____

b. Bhala impendulo yakho ibe sisivakalisi samanani.
_____ - _____ = _____



Bhala ezinye izivakalisi zamanani ezihlalu ubonise kwale mpPENDULO inye.

$$15 - 9 = 6$$



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

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



Teacher:
Sign:
Date:

6

Umhla:



Amanani aphindaphindwe kabini neziqingatha

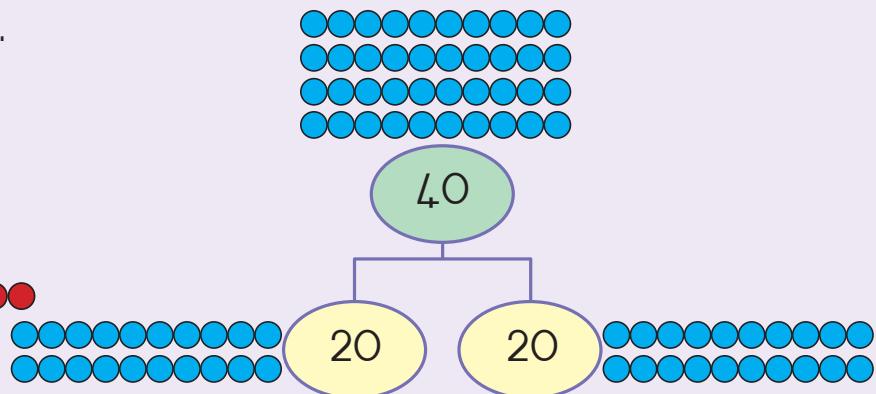
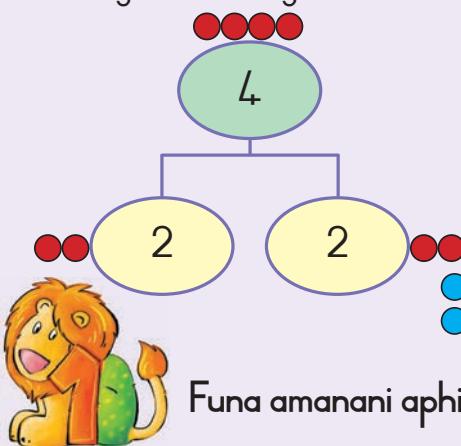
Ikota yoku-1

Usakhumbula?

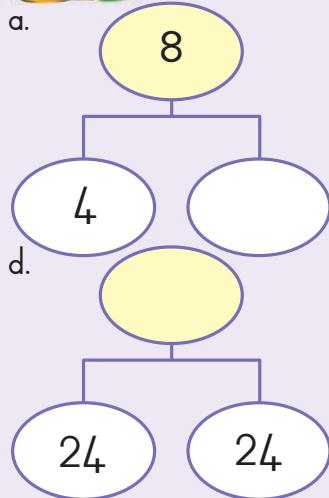
u-2 sisiqingatha sika-4
u-4 ngu-2 ophindwe kabini

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.

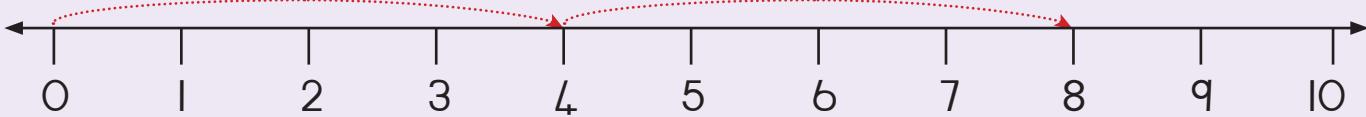
a. Phinda isi-4
kabini

4

+

4

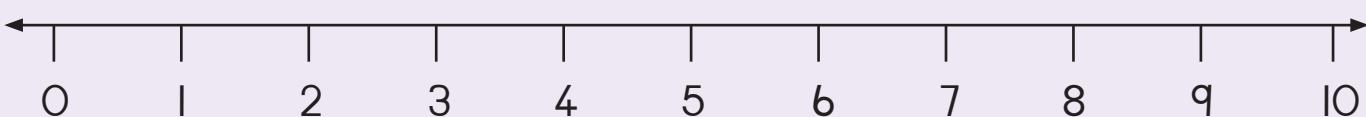
= 8



b. Phinda isi-5
kabini

+

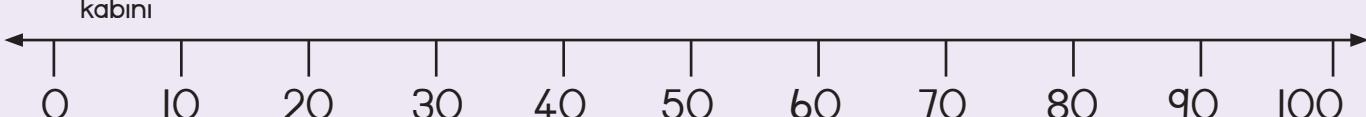
=



c. Phinda
ama-20
kabini

+

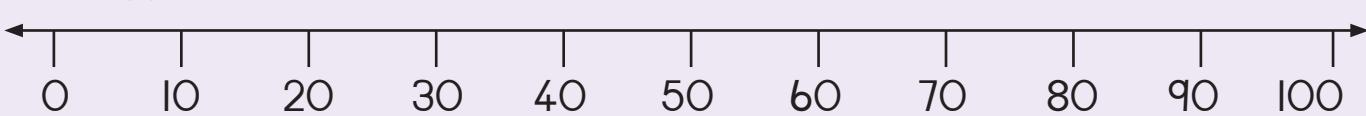
=



d. Phinda
ama-40
kabini

+

=



Gqibezela oku



Gqibezela oku

a. Phinda u-1 kabini	<input type="text"/> 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"/> 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:

Ikota yoku-I

Fakela umbala obomvu kwikota
yeebhaluni uze ufakele ozuba
kwezishiyekileyo.

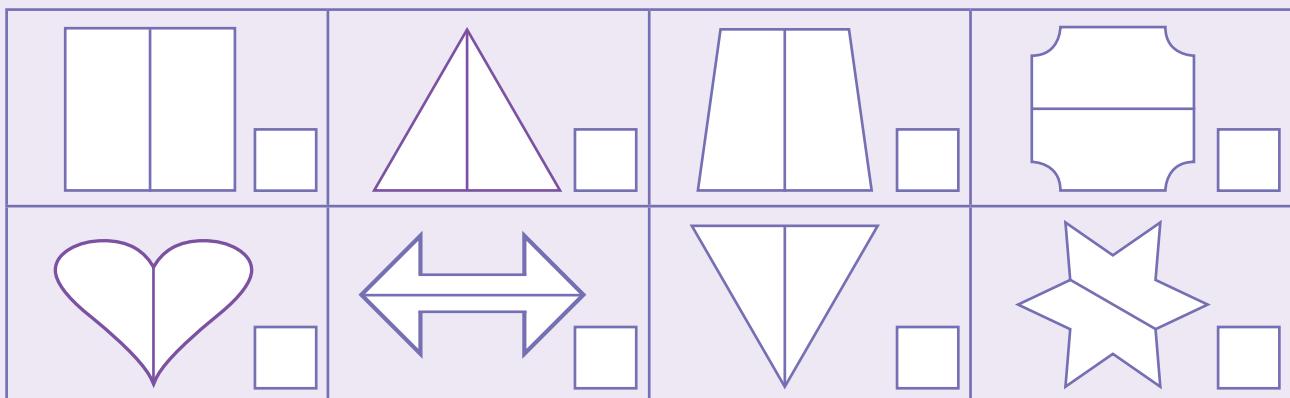
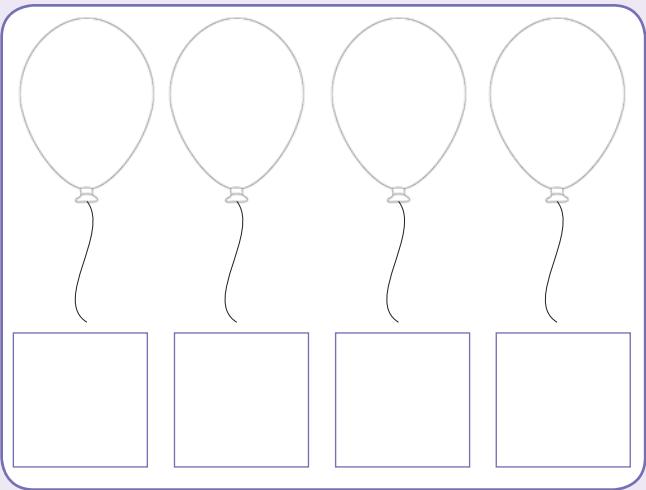
Faka umbala obomvu kwisiqingatha
sébhokisi nganye.



Jonga iimilo. Phawula (✓) iimilo
ezibonisa iziqingatha.

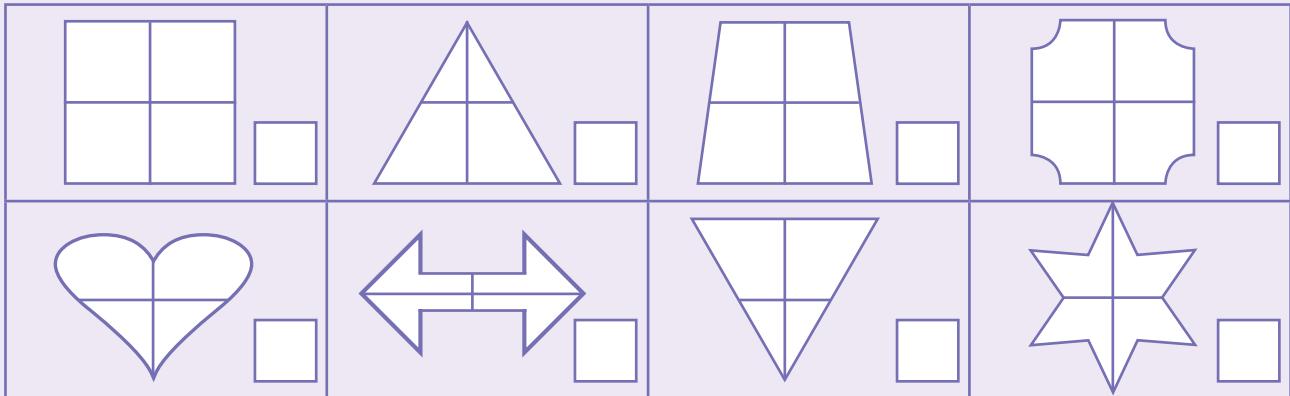
Fakela umbala kwisiqingatha
semilo nganye eyahlulwe kabini.

Amaqhezu



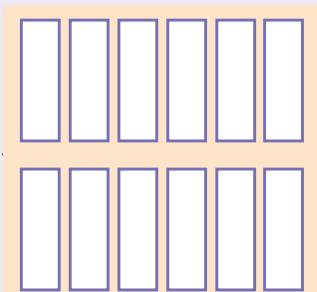
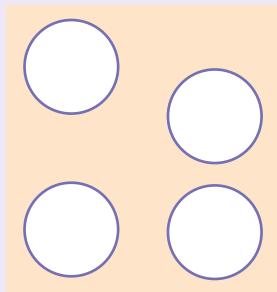
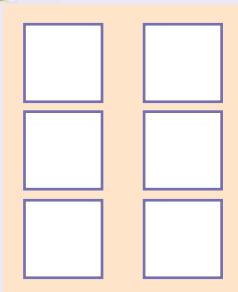
Jonga iimilo. Phawula (✓) iimilo ezibonisa iikota.

Fakela umbala kwikota yemilo nganye eyahlulwe yaziikota ezilinganayo.

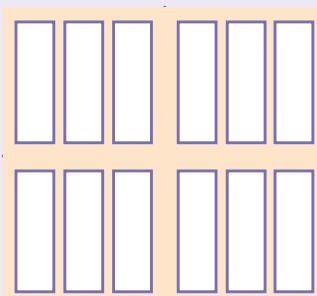
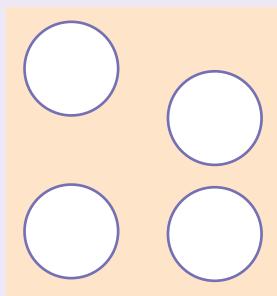
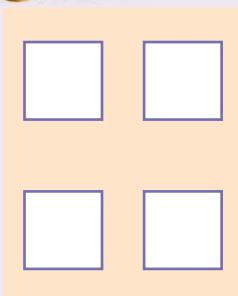




Fakela umbala kwisiqingatha seemilo. Yintoni isiqingatha senani leemilo?



Fakela umbala kwikota yeemilo. Yintoni ikota yenani leemilo?



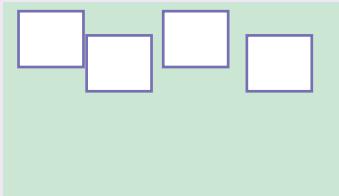
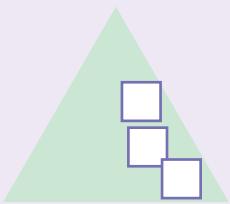
Bhala ngokophawu Iweqhezu. iziqingatha



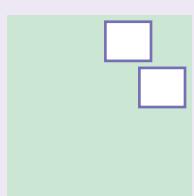
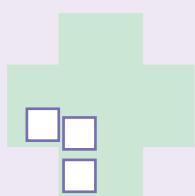
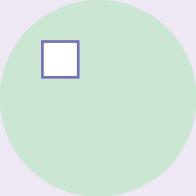
iikota



Zoba ezinye iimilo wenze isiqingatha ngasinye silingane.



Zoba ezinye iimilo wenze ikota nganye ilingane.





Umhla:



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

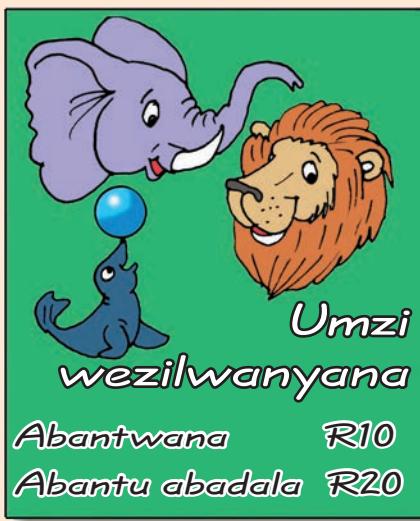
Abanye abantu kune nabantwana baya kumzi wezilwanyana. Bathenga amatikiti axabisa ama -R90.

Bangaphi abantu? _____

Bangaphi abantu abadala? _____

Ingaba ikhona enye impedulo?

Abantu abadala _____ Abantu _____



Teacher:
Sign:
Date:



Umhla:

Ikota yoku -



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



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

I05, I10, II5, _____	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.

Wakuggiba faka umbala kwipatheni leyo. Uqaphela ntoni ngamanani anombala of anayo?

Ukubala ngezihlanu.

		5		10															

Ukubala ngezibini.

	2	4																	

Ukubala ngezithathu.

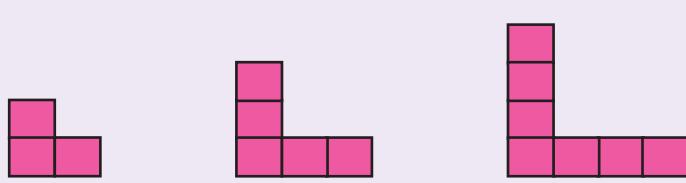
	3	6																	

Ukubala ngamashumi.

																		10	



Yandisa ipatheni.



Teacher:
Sign:
Date:

10



Umhla:

Ikota yoku -

Iibhola, iibhokisi kanye neesilinda



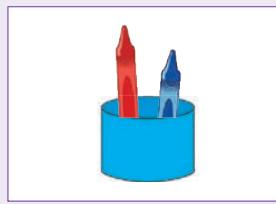
Biyela ngesangqa iibhokisi zibe zuba, iibhola zibe bomvu ze iisilinda zibe luhlaza.



Fakela umbala kwimpendulo echanekileyo.



Ibhokisi



Isilinda



Ibhola

iyatyibilika

iyaqengqeleva

iyatyibilika

iyaqengqeleva

iyatyibilika

iyaqengqeleva



Fakela umbala kwimpendulo echanekileyo.

isiphelo esingqukuva
isiphelo esithe tye



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

ingasemva	ingaphambili
isecaleni	ingaphezulu

ingasemva	ingaphambili
isecaleni	ingaphezulu

ingasemva	ingaphambili
isecaleni	ingaphezulu

ingasemva	ingaphambili
isecaleni	ingaphezulu



Teacher:
Sign:
Date:



Umhla:

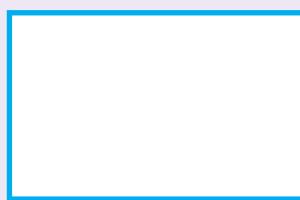
Ikota yoku -

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



Zoba iimilo

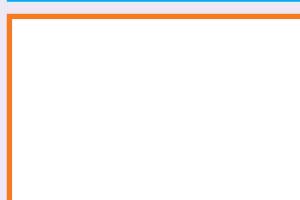
Unxantathu



Isangqa



Isikwere

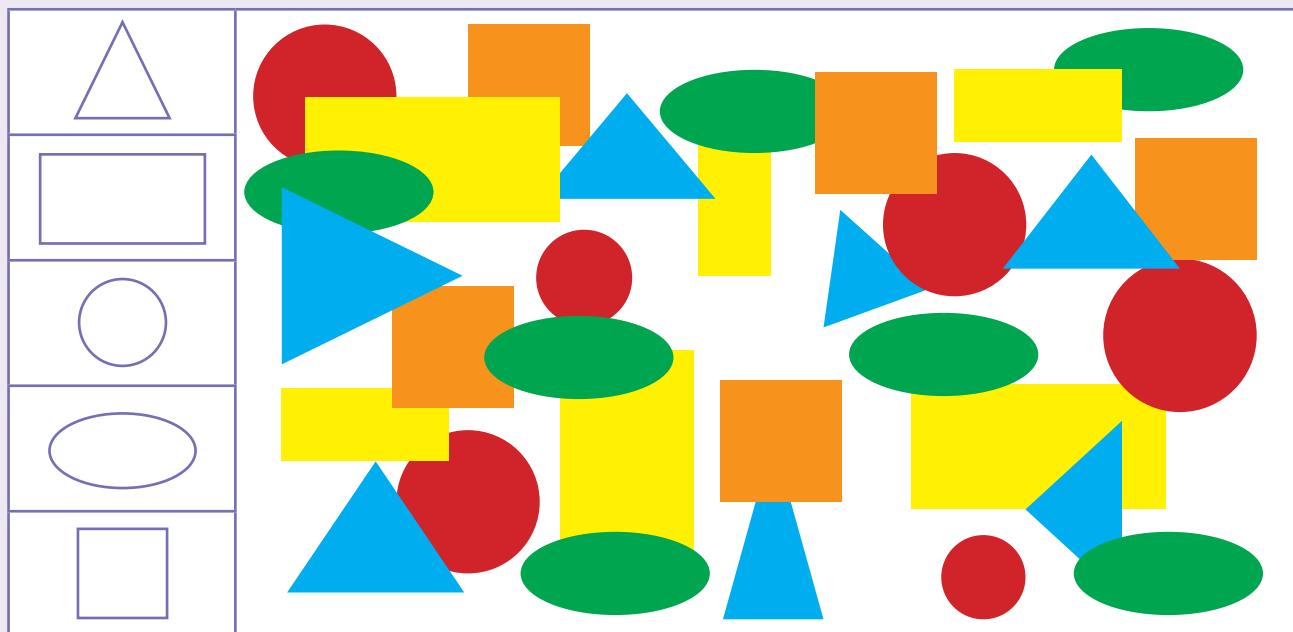


uxande



Bala iimilo

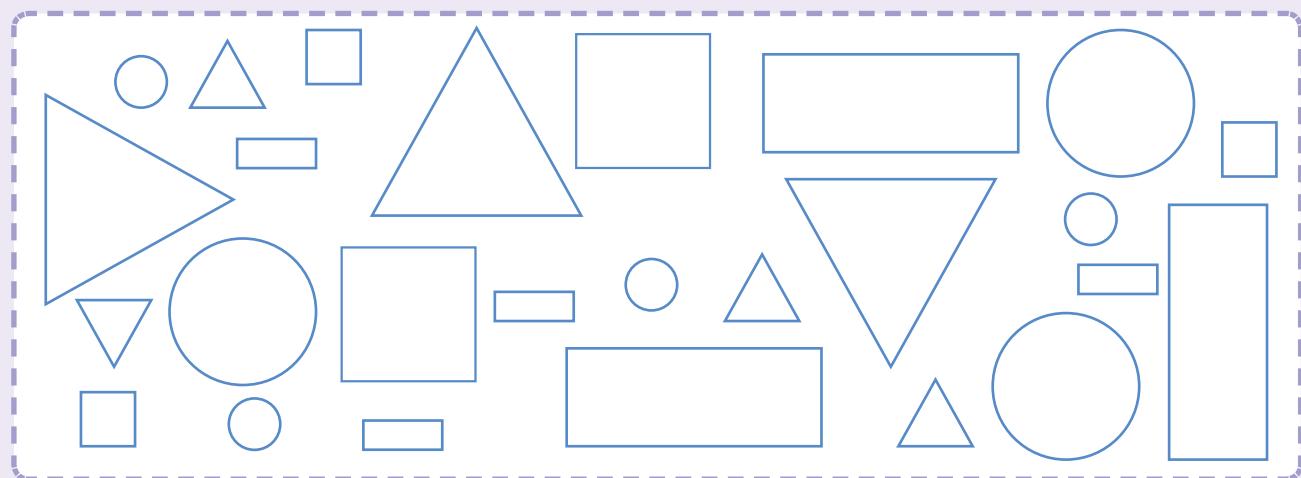
Bala ukuba ufumana iimilo ezingaphi ezifana nezi kulo mfanekiso.





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	ithe tye	ingqukuva



Teacher:
Sign:
Date:

12

Ikota yoku -



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 -6

icala emva
kweyesi -8

umkhono phambi
kweye -II

licalala emva
kweyesi -5



UTumi uya esikolweni.



Umka ekhaya.



Uyafika esikolweni.

Uthatha ixesha elingakanani uTumi? _____

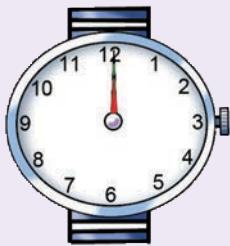


Usuku lokubhaka

UMaria ubhaka isonka.



Isonka singena
eovenini.



Isonka
siyaphuma eovenini.



Isonka sibhaka iiyure ezi _____.



Umngeni

Kwixesha eliphindwe kabini

- Tshintsha iiyure zibe yimuzu.

Iiyure	1	2	4	8
Imizuzu	60			

Ndiyakwazi ukubona
ipatheni.



- UJabu uthatha imizuzu engama - 45 ukuya esikolweni.

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



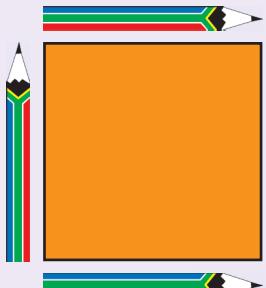
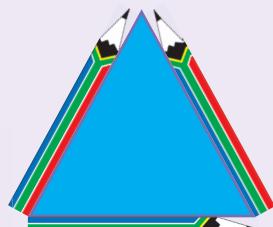
Teacher:
Sign:
Date:

13

Umhla:

Ikota yoku-I

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?

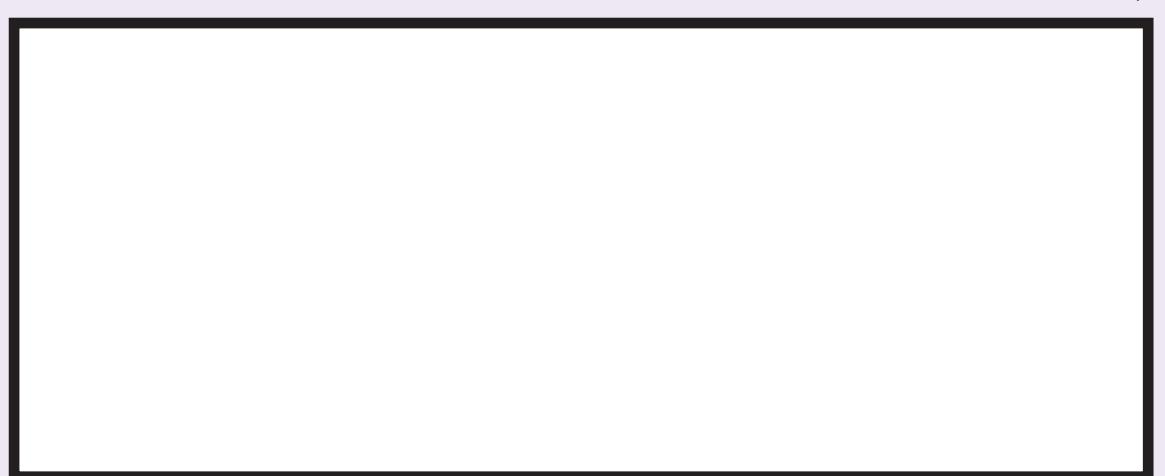
Lude kangangeepenisile ezingaphi olu xande?



Lubanzi kangangeepenisile ezingaphi uxande?



ubude



ububanzi

Uzisebenzise njani iipenisile ekubaleni kwakho?

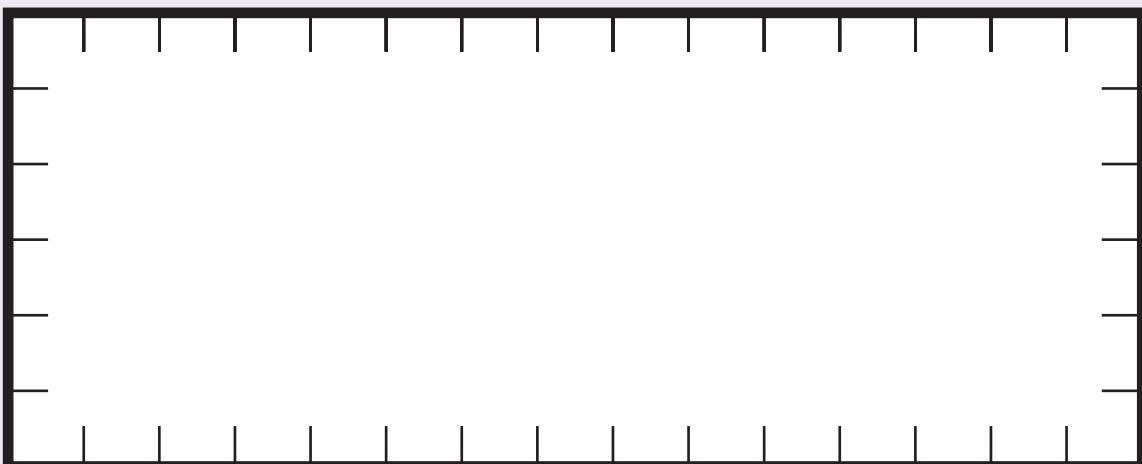


Ubude obuyimfihlo

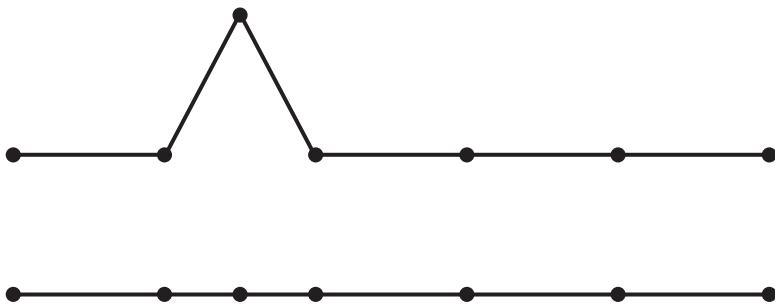
- a. Kufuneka ubē nemigca **ebomvu** emingaphi ukuze ukwazi ukugquma umgca omnyama?



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



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



Impendulo _____

Kutheni? _____



14



Umhla:

Ikota yoku-I



Umthamo

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

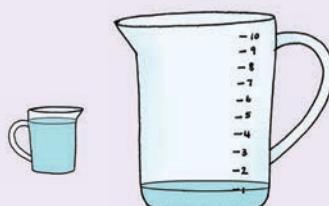
Ziikomityj ezingaphi zamanzi ezisafunekayo
ukuzalisa isikhongozelo?



Zingaphi iikomityj zamanzi ezikwiskhongozelo?

Zingaphi iikomityj ezisafunekayo ukuzalisa isikhongozelo?

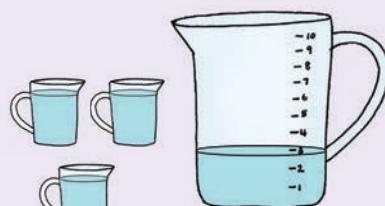
a.



Kwisikhongozelo:

Kufuneka:

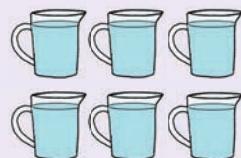
b.



Kwisikhongozelo:

Kufuneka:

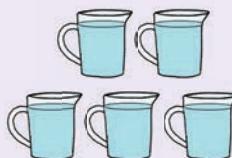
c.



Kwisikhongozelo:

Kufuneka:

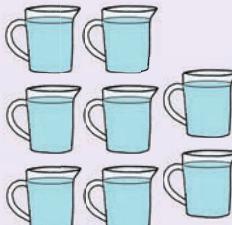
d.



Kwisikhongozelo:

Kufuneka:

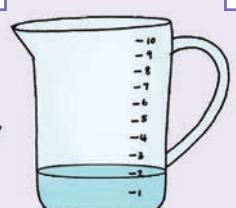
e.



Kwisikhongozelo:

Kufuneka:

f.



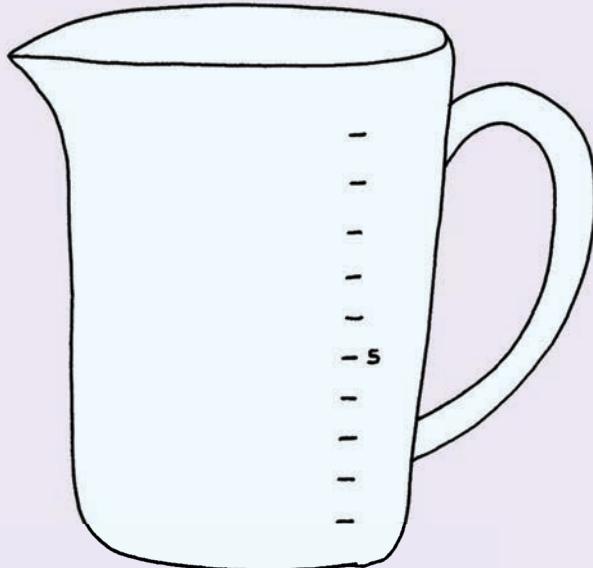
Kwisikhongozelo:

Kufuneka:



Bhala imilinganiselo kule jagi. Sikubonisile umlinganiselo wesi - 5.

Fakela eminye imilinganiselo ejagini.

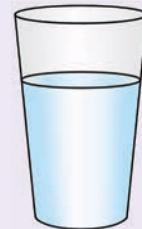
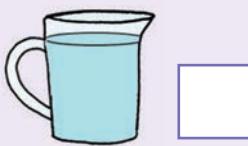


Ukuba ikomityi enye ilingana
umlinganiselo omnye wejagi,
zingaphi iikomityi ezifuneckayo ukuze
zifikelele kulo mlinganiselo:

- a. 4 _____
- b. 6 _____
- c. 8 _____
- d. 10 _____



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



Teacher: Sign:
Date:

15

Ikota yoku-I

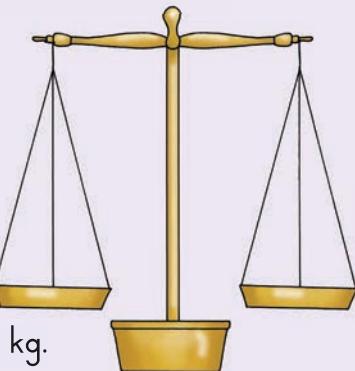


Umhla:



Masilinganise 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

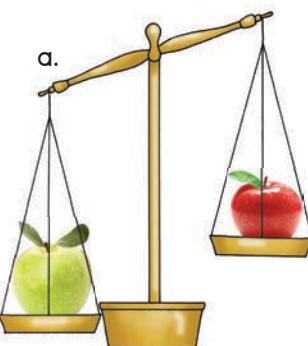
39 kg



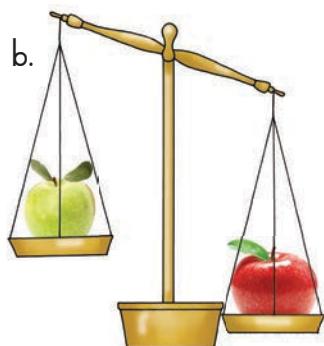
Sisebenzisa isikali ukuze sikwazi ukulinganisa ubunzima.



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?

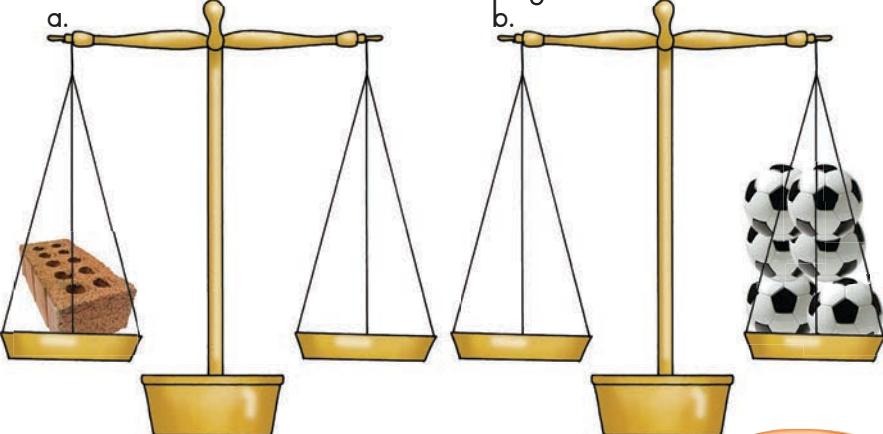


Linganisa izikali.

Sikwenzele eyokuqala.



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

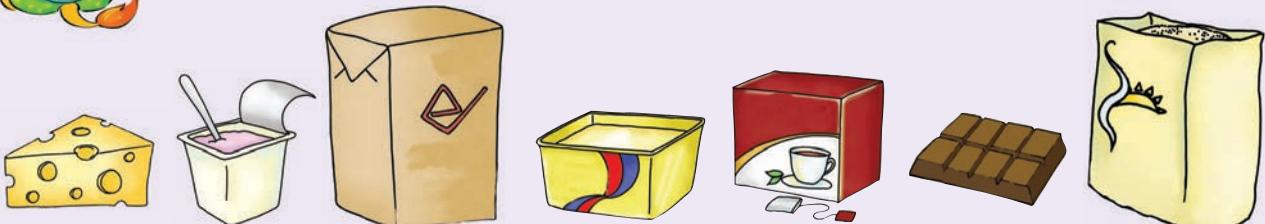


Ukuba ipasile enye inobunzima obuzii -3 kg, ziya kuba nobunzima doungakanani ezi _____?

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



Phawula iibhokisi zeependulo ezinezinto ezinobunzima obuyi -1 kg.



Teacher:
Sign:
Date:

16



Umhla:

Ikota yoku-l



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-9 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

Gcwalisa le theyibhile.

Iisayizi zezihlangu eklasini.

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



Yenza umfanekiso wegrafu.



= umfundi omnye

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



Phendula ngoku le mibuzo.

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



Wena?

Fumanisa ukuba ninxiba eziphi iisayizi zezihlangu wena nabahlobo bakho!

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



Teacher:
Sign:
Date:

17

Umhla:

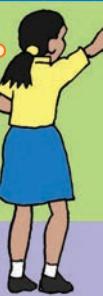


Ikota yoku -

Thelekisa uze ulandelelanise amanani

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

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



Leliphi inani eliphakathi kwama-88 nama-90?



Fakela amanani angekhoyo.

51																								
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 olinikiwego.

	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.

qq	1q	q	14	41	40
----	----	---	----	----	----



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

32	<	64	23	>	18
----	---	----	----	---	----

57	<input type="text"/>	98	89	<input type="text"/>	57
----	----------------------	----	----	----------------------	----



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



Teacher: _____
Sign: _____
Date: _____



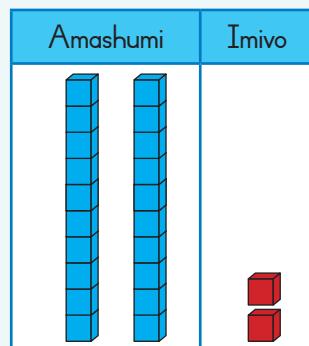
Ixabiso lendawo ukuuya kuma-qq



Ukubonisa amanani usebenzisa izinto

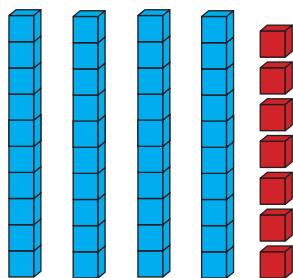
Siyakwazi ukubonisa amanani ngeebloko zamaxabiso eendawo.

Ibloko encinci imele u-1. Yiyunithi okanye ngumvo .
Intonga yeebloko ezincinci ezilishumi imele i-10. Lishumi.



Unokubonisa inani usebenzisa amashumi nemivo.

Nantsi indlela yokubonisa ama-47.



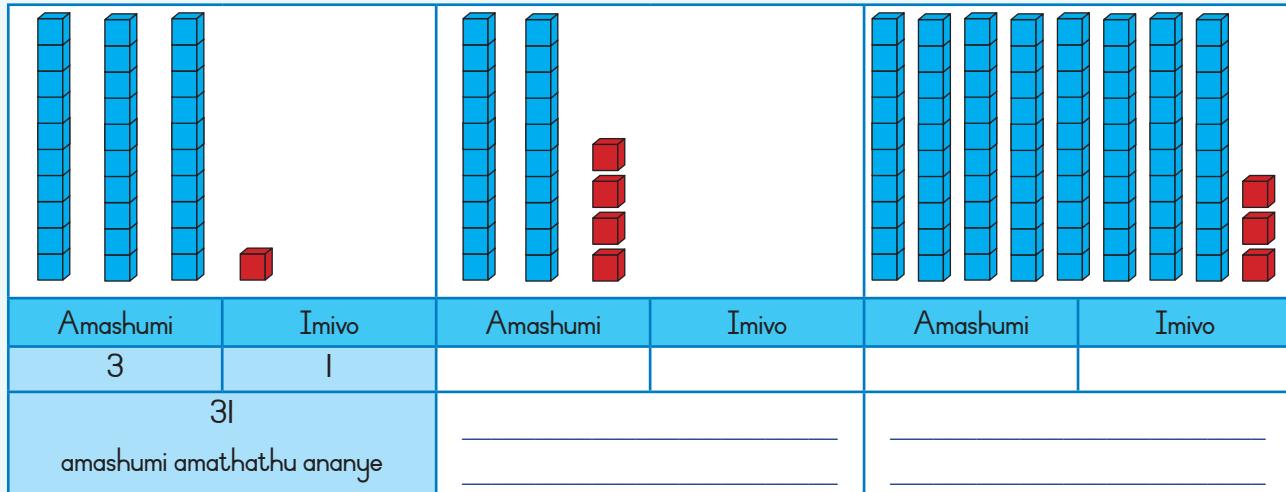
Amashumi	Imivo
4	7

Amashumi amane
anesixhenxe
47



Ukubhala amanani ngokwemivo nangamagama

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





20 6

26

- b. Singasebenzisa amakhadi ethu amanani sibonise oku.

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



Ngubani eli nani?

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



19



Umhla:



Funda

Ukubeka amashumi ndawonye xa sidibanisa ukuya kuma-99

Nantsi indlela yokubonisa ama-22.		Sineshumi elinye Sinemivo elishumi elinesibini	Ngoku sinene indlela yokubonisa ama-22.	
Amashumi	Imivo	 Siza kubeka ishumi lemivo eqeleni	Amashumi	Imivo
1 ishumi	12 imivo		2 amashumi	2 imivo
1 0	1 0 2		2	2

Masidibanise $27 + 4$

Siza kuqala ngeebloko ezibhulowu ze songeze ezibomvu.

U-27 ngamashumi amabini nemivo esi-7. Emva koko songeza u-4 ngaphezulu kwimivo.	Sinamashumi ama-2 nemivo eli-11.	Ngoku sinamashumi ama-3 nomvo o-1	
Amashumi	Imivo	Amashumi	Imivo
2 amashumi	7 imivo		
+ 4 imivo			
2 0	7 4	2 0 1 0 1	3 1
		$+$ $-$ $=$	

Sinokubonisa imivo eli-10 njengeshumi elinye.



Bhala isivakalisi senani esiboniswa ngumfanekiso

Amashumi	Imivo	
$10 + 5 + 6$	$\underline{\quad} + \underline{\quad} + \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$

Gqibezele umfanekiso. Bhala izivakalisi zamanani eziboniswa ngumfanekiso.

Amashumi	Imivo

Amashumi	Imivo



Teacher: _____
 Sign: _____
 Date: _____



Umhla:

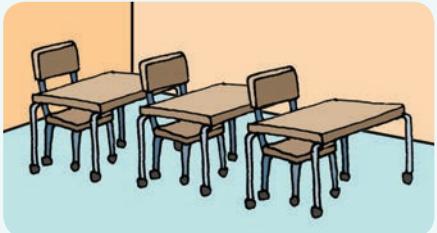
Bala usebenzise umgca-manani

Hlala edesiken!

Kwisikolo sethu umfundi ngamnye unedesika yakhe.

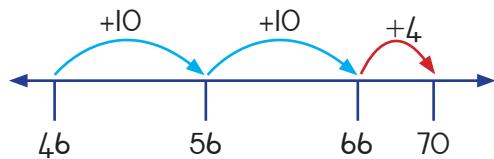
Kukho abafundi abangama-46 kwiBanqa 3A nama-24

kwiBanga 3B. Zingaphi iidesika ezifunekayo kwiiklasi zombini?



Sebenza nogxa wakho

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



Ndenza ngulu hlobo: Kugala 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
ndidibani se am-
24 kuma -46.



q. $32 + 25 =$

1

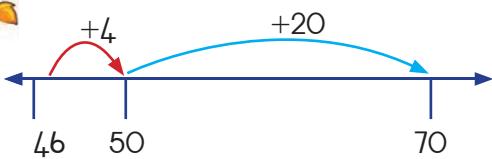


b. $52 + 26 =$

← →

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 kundibek kuma-70.

Bonisa ngamakhadi amanani.

$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$

a. $36 + 41 =$

← →



Teacher:

Sign:

Date:

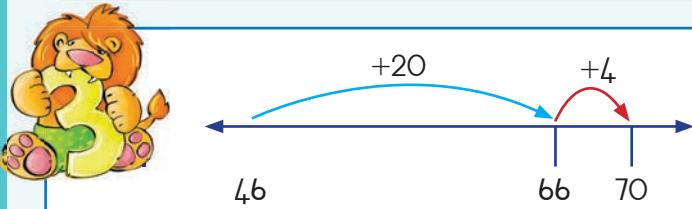
20b



Umhla:

Bala usebenzise umgca-manani (kusaq̄hutywa)

b. $57 + |q| =$



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



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

a. $63 + 24 =$



b. $65 + 29 =$





Zingaphi iilofu?

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

- a. Zingaphi iilofu zesonka zizonke?

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

← →

0 150



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

$38 + 24 =$

$58 + 17 =$

$75 + 16 =$

$83 + 29 =$





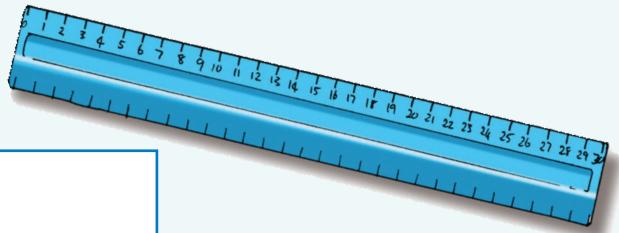
Umhlag

Thabatha kumgca-manani

Umfundi omnye! Irula enye!

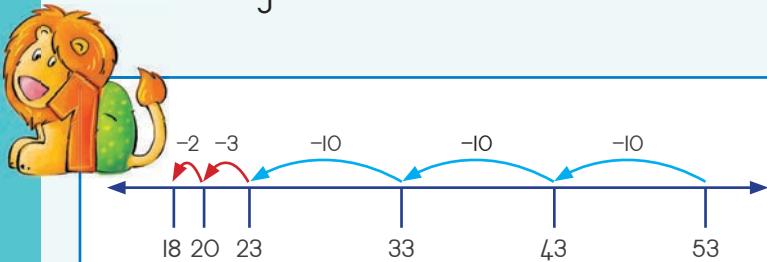
Iklasi ifuna iirula ezinqama-53. Kukho ezinqama-35.

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. Uku^hhabatha
ku^hetha ukususa into
kw^{enye}.



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

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

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

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

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

$$= 23 - 3 - 2$$

$$= 20 - 2$$

$$= 18$$



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

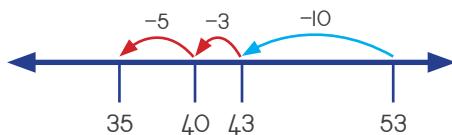
← →

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

← →

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

← →



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



Ndiza kuqala kuma-53 ndibale **ndiye kufika** kuma-35 ukufumana umahluko.
Xa ndibala ndibuya umva nge-10, ndifumana ama-43. Ndinokubala ndiye emva
ngokongeza ezi-3 ukuya kuma-40. Emva koko ndibale ukuhla ngokongeza isi-5
ukuya kufika kuma-35. I-10 lidibanise nesi-3 nesihlanu li-18. Ngoko ke kufuneka
sifumane iirula ezongeziwego ezili-**18**.

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

← →



Teacher:

Sign:

Date:



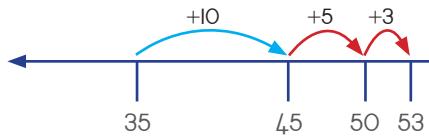
Umhla:

b. $65 - 43 =$

Thabatha kumgca-manani (kusaqhutywa)

c. $72 - 39 =$

d. $85 - 48 =$



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



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

a. $84 - 32 =$



b. $96 - 53 =$

← →

c. $78 - 19 =$

← →

d. $63 - 47 =$

← →



Uhambo ngetekisi

Ukuya edolphini ngetekisi ngama - 65km.

Okwangoku itekisi ihambe ama - 38km.

Kusafuneka ihambe kangakanani?

Sebenzisa umgca-manani ukusombulula le ngxaki.



← →

km





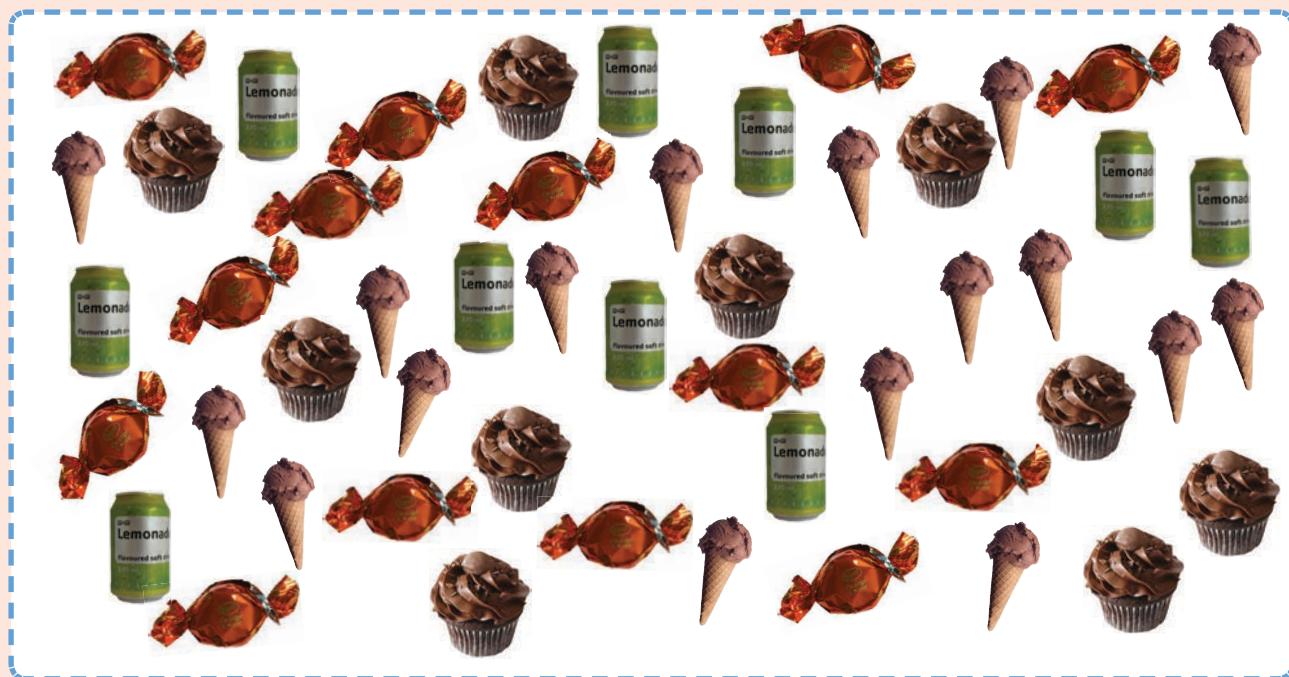
Lixesha lepati

Ikota yoku -



Isicwangciso sokuqala!

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



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

Inani				



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

😊			
😊			
😊			
😊			
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Teacher:
Sign:

Date:

23

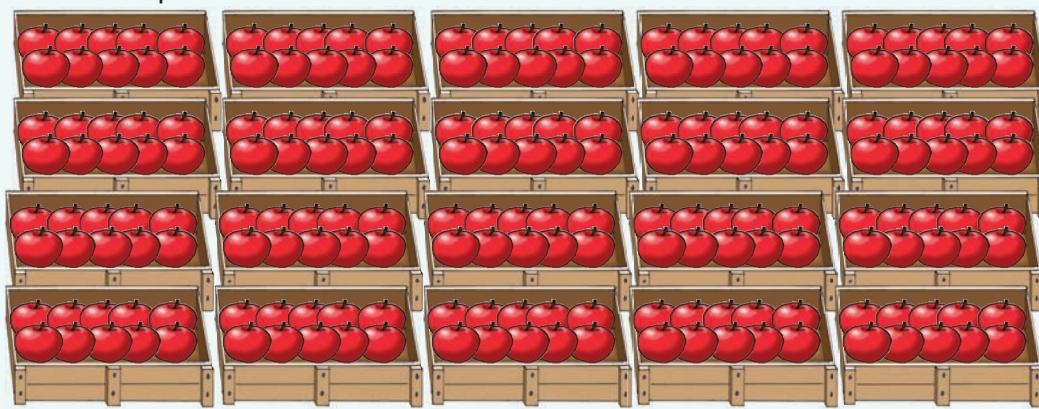


Umhla:

Ukubala uyokufika kuma-200



Bala ama-apile.



Fakela amanani

Ibhokisi e-I inama-apile a [REDACTED], umqolo o-I unama-apile a

Umqolo o-1 uneebhokisi ezi , imiqolo emi-4 inama-apile a



Mangaphi ama-apile esinokuwapakisha kwezi bhokisi?

- The diagram shows three rows of identical wooden crates. Row a. contains 4 crates, row b. contains 6 crates, and row c. contains 3 crates. To the right of the rows is a large, empty rectangular box with a blue border, labeled 'ANSWER'.



Bala kumqca-manani.

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

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



0 10 20 30 40 50 60 70 80 90 100



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

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

okanye

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

iziqhuma ezi-2

ze-10 zenza

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

okanye

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



Izibini ezi-5 zeenyawo.

Zingaphi iinzwane zizonke?



$10 + 10 + 10 + 10 + 10 =$ **5 0** $5 \times 10 =$ **5 0**

okanye $10 \times 5 =$ **5 0**

Bala nezi kwangolo hlobo.

Izibini ezi-4 zeenyawo. Zingaphi iinzwane?

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

Izibini ezi-9 zeenyawo. Zingaphi iinzwane?

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



Masibale ngama-10

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

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



24



Ziqhelise ngezi-5



Zingaphi iintlanzi? Qikelela



Bala ke ngoku iintlanzi. Nika inani lazo zonke.



Bala ngezi-5

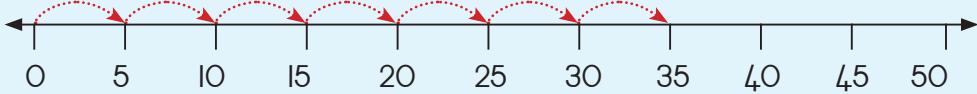
Fumana inani elipheleleyo lamaqanda entlanzi.

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

Iintlanzi namaqanda	Mangaphi amaqanda ewonke?	
Iintlanzi ezi-5, inye ibeka amaqanda ama-2	$2 + 2 + 2 + 2 + 2 = 10$	$5 \times 2 = 10$
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		



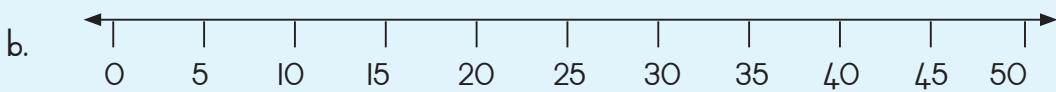
Gqibezela izivakalisi zamanani kunye nemigca-manani



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



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



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



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



Bamba intlanzi



USipho ubamba iintlanzi eziphakathi kwama-40 nama-50. Uzibala ngezi-2 aze

ashiyelelwe yenye. Uzibala ngezi-5 aze ashiyekelwe zezi-2.

Zingaphi iintlanzi ezibanjwe nguSipho.

25a



Bala ngezi-2



Bala iikawusi



a. Zingaphi izibini zekawusi? _____

b. Zingaphi iikawusi ezikhoyo? _____

c. Zikhona iikawusi ezishiyekileyo? _____



Masibale izibini zeekawusi

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

Iikawusi	Inani lezibini	Inani leekawusi	Iikawusi ezingenamati ezishiyekileyo



Teacher: _____
Sign: _____
Date: _____

25b



Bala ngezi-2 (zisaqhutuwa)

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,

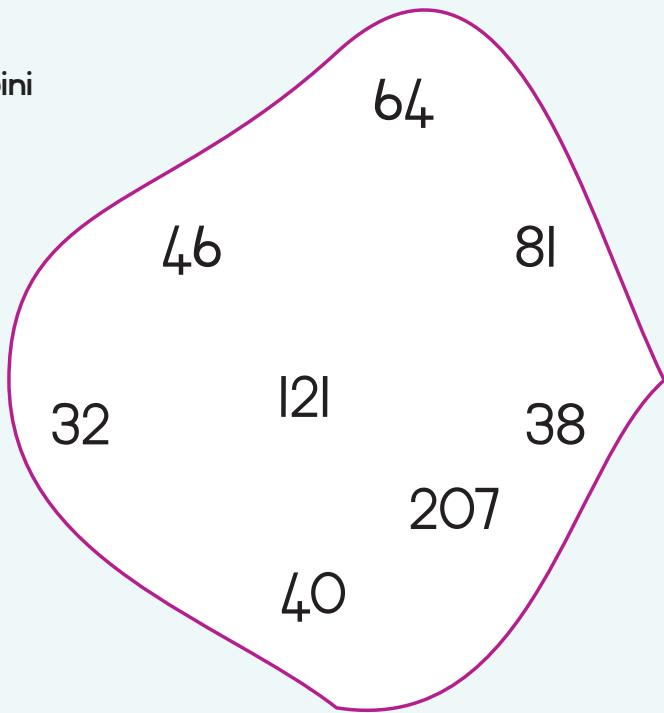
- b. Bhala amanani ayiminqakathi ukusuka ku-l ukuya kuma-60

3, 5, 7,



Iminqakathi noonombini

Yenza isangqa kumanani angoonombini.
Yenza isikwere kumanani ayiminqakathi.





Ukusuka kwizibini ukuya ezikawusini

Umzekelo:

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



$$2 \times 1 = 2$$

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

$$2 \times 10 = 20$$

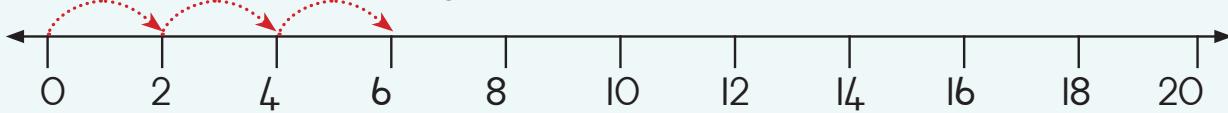
a. Bhala inani leekawusi.

Cinga ngezi-2	Isivakalisi samanani
Isibini esi-1 = iikawusi ezi-2	<input type="text"/> 2 \times <input type="text"/> 1 = <input type="text"/> 2
Izibini ezi-2 = iikawusi ezi _____	<input type="text"/> 2 \times <input type="text"/> 2 = <input type="text"/>
Izibini ezi-4 = iikawusi ezi _____	
Izibini ezi-8 = iikawusi ezi _____	
Izibini ezili-9 = iikawusi ezi _____	

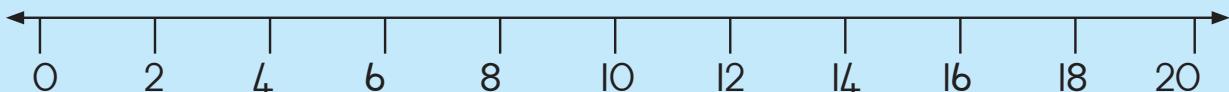
b. Bonisa isiphumo kumgca-manani uze ugqibezele.

Umzekelo:

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



$$2 + 2 + 2 + 2 + 2 + 2 + 2 = \boxed{\quad} \text{ okanye } \boxed{\quad} \times \boxed{\quad} = \boxed{\quad}$$



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.

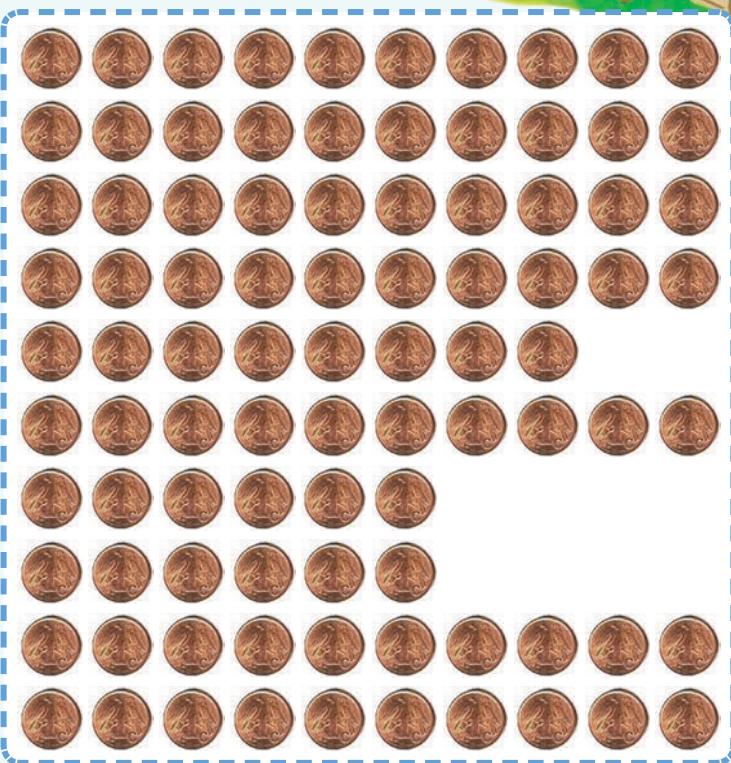
Zingaphi iisenti ezikhoyo?

Kusafuneka ezingaphi ukuze ukwazi ukwenza i-R1,00?

Zizobe.



Zingaphi iisenti?



RI,OO = <input type="text"/> c	R2,00 = <input type="text"/> c
R3,00 = <input type="text"/> c	RI,50 = <input type="text"/> c



Ndingathenga iziqhamo ezingakanani?



2 zixabisa i-R4,00.



2 axabisa i-R2,00.

Zingaphi iibbanana zama-R20,00?

Mangaphi ama-apile nge-R9,00?



27

Bala ngezi-3



Amavili abalwa ngezi-3

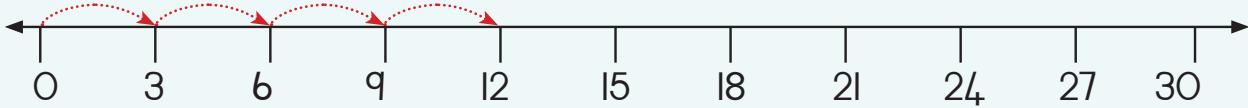


Itrayisekile enye inamavili ama ____.

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

Imigca-manani

Jonga umzekelo.



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



b.

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

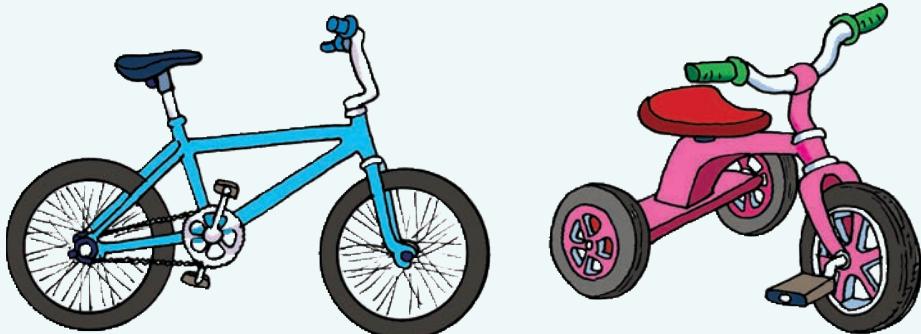
c.

$$\boxed{} = \boxed{} = 6 \times 3 = \boxed{}$$

d.

$$\boxed{} = \boxed{} = 10 \times 3 = \boxed{}$$

Iibhayisekile kunye neetrayisekile



UBusi ubala amavili eebhayisekile naweetrayisekile evenkileni yazo:

Ewonke la mavili ali-14.

Zingaphi iibhayisekile ezikhoyo? _____

Zingaphi iitrayisekile ezikhoyo? _____





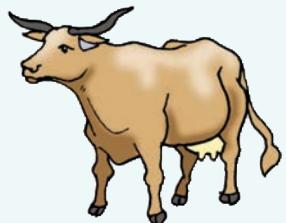
Ziintoni izinto ezinezi - 4?



Imilenze emine

Iinkomo zinemilenze emine.

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



Bala imilenze

Ncokolani ngeependulo.
Cacisa ukuba wenze ntoni.

Sebenzisa iinyaniso ozaziyo ngezi - 4 uphendule le mibuzo.

inkomo e-1		4	imilenze	iinkomo ezi-2		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.

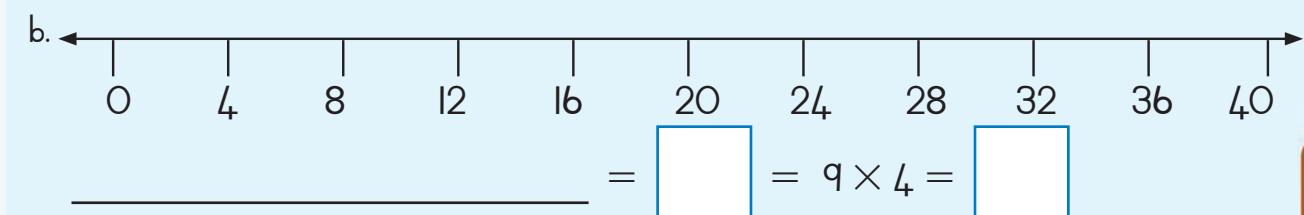
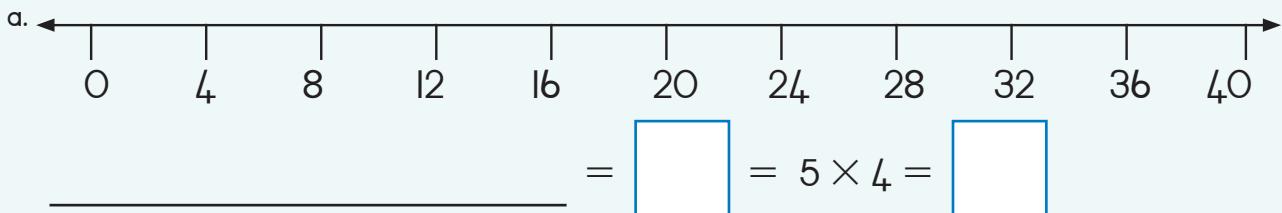
Sebenzisa umzekelo owunikiweyo ukuncede.

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 uwugqibezele ngokusebenzisa imitsi.





Umhla:



Ipathereni zamanani

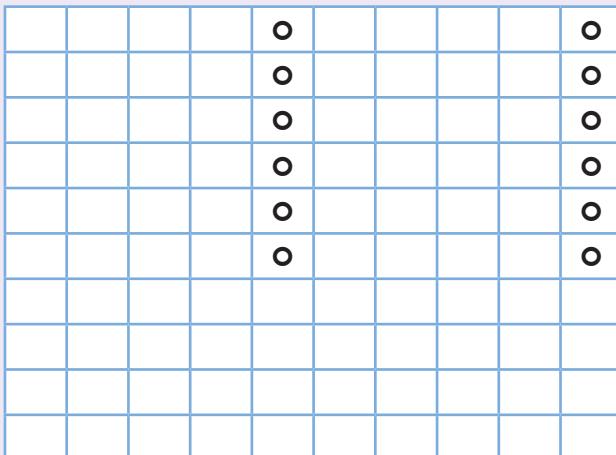
Igridi yeeopatheni

Yeyiphi ipathereni yamanani eboniswa zizangqa kwigridi nganye ye-100?

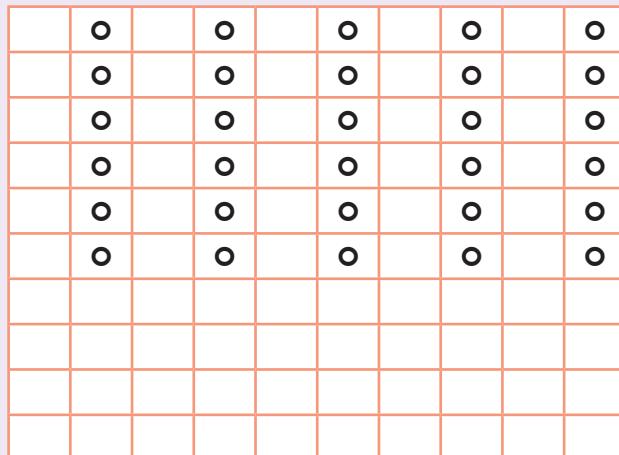
Zoba ezinye izangqa ugqibezele ipathereni nganye.

Thiya ipathereni nganye igama.

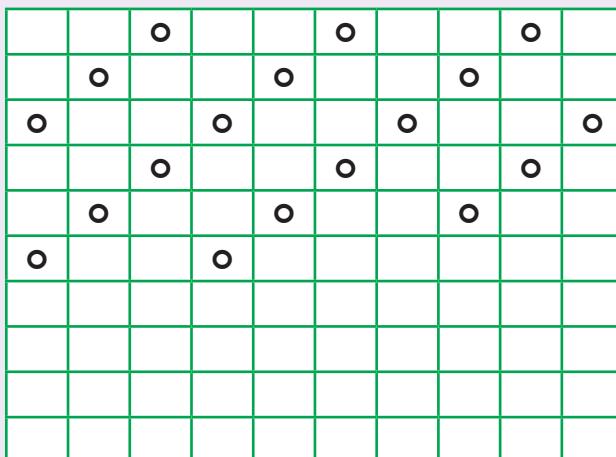
a. Ipathereni: _____



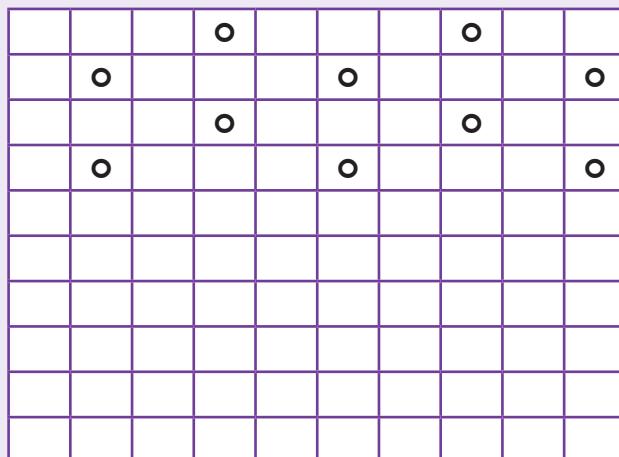
b. Ipathereni: _____



c. Ipathereni: _____



d. Ipathereni: _____



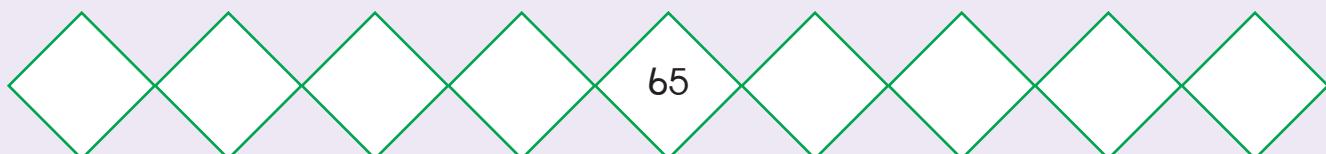


Zenzele ezakho iipatheni

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



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



Zingena phi?



Ipatheni yezi-3 nezi-4	Ipatheni yezi-3 nezi-5	Ipatheni yezi-4 nezi-5
umzekelo 48		



Elwandle

uThembí 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 uThembí? _____.



30a



Umhla:



Yaba iilekese:

Ukwahlula



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



Oku singakubhala ngolu hlobo:

$$30 \div 2 = 15$$

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



$$\div =$$

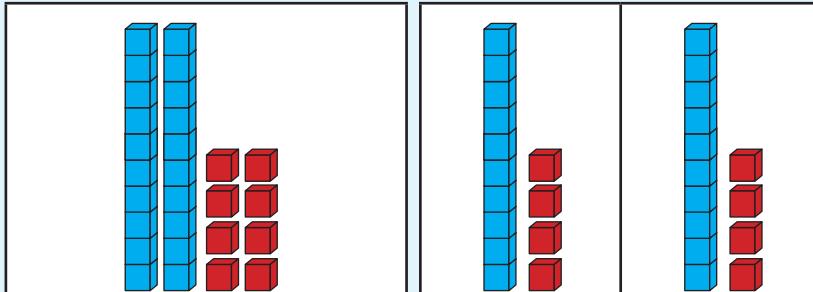
- c. Yahlulela abantwana aba-5 iilekese



$$\div =$$



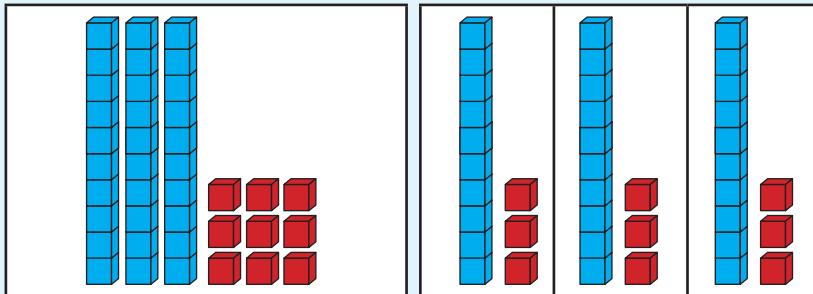
Singasebenzisa iibloko zamanani ukuze sikhazi ukwahlula.



$$\boxed{2} \ \boxed{8} \quad \div \quad \boxed{2} \quad = \quad \boxed{1} \ \boxed{4}$$

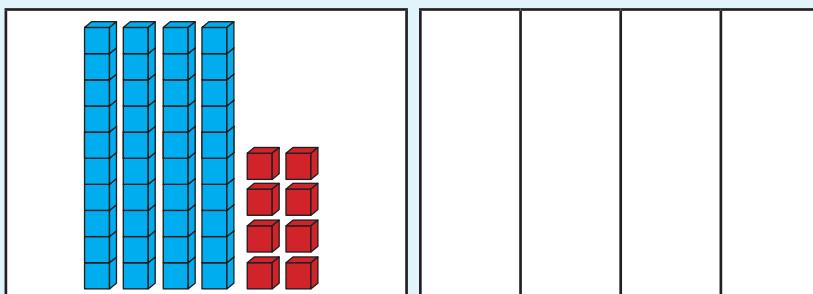
Ngoku yenzo oku.

a.



$$\boxed{} \ \boxed{} \quad \div \quad \boxed{3} \quad = \quad \boxed{} \ \boxed{}$$

b.



$$\boxed{} \ \boxed{} \quad \div \quad \boxed{4} \quad = \quad \boxed{} \ \boxed{}$$



Teacher: _____
Sign: _____
Date: _____

30b

Umhla:

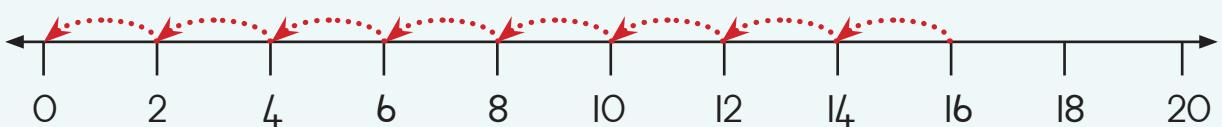


Ukwahlula (kusaqhutywa)



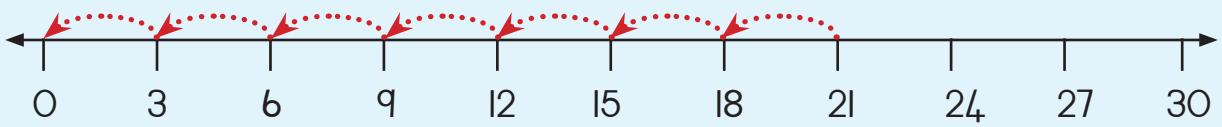
Sebenzisa imigca-manani ubhale isivakalisi-manani sokuthabatha nokwahlula.

Umzekelo:



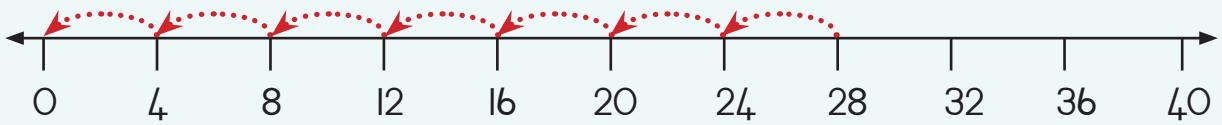
$$16 - 2 - 2 - 2 - 2 - 2 - 2 - 2 = 0$$

$$16 \div 2 = 8$$



$$21 - \underline{\hspace{2cm}} =$$

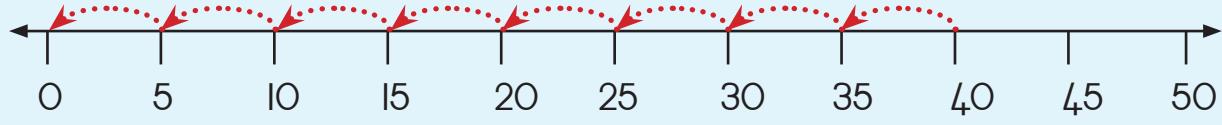
$$\boxed{\quad} \div \boxed{\quad} =$$



$$28 - \underline{\hspace{2cm}} =$$

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

c.



$$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} =$$

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



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.



3I

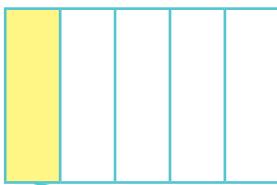
Umhla:

Ikota yoku -



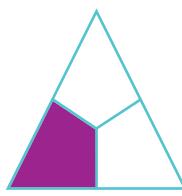
Amaqhezu

Krwela imigca ukuze utshatise imilo kanye neqhezu:



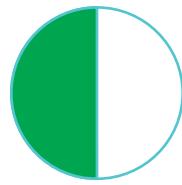
Isinye esithathwini

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



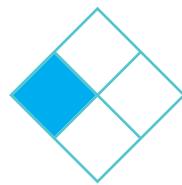
Isinye kwisihlanu

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



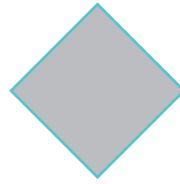
Ikota

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



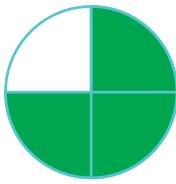
Isiqingatha

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



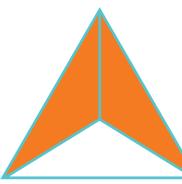
Ikota ezintathu

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



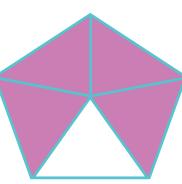
Isine kwisihlanu

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



Intu enye epeheleleyo

$$1$$



Isibini kwisithathu

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

Yahlula ze ufake umbala

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



Isiqingatha

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



Isinye esithathwini

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



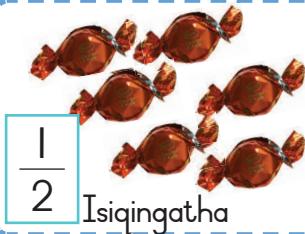
Ikota

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



Isinye kwisihlanu

Bonisa iqhezu olinikiweyo leeleteko:



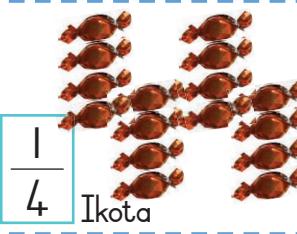
$$\frac{1}{2}$$

Isiqingatha



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

Isinye esithathwini



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

Ikota

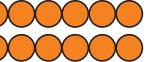


$$\frac{1}{5}$$

Isinye kwisihlanu



Yahlulela abantwana ababini izinto zokubala.

 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>				
<ul style="list-style-type: none"> Sifumene izibalisi ezi - 2 emnye. Isiqingatha sezinto zokubala ezi - 4 ngu - 2. 	<ul style="list-style-type: none"> Sifumene izibalisi ezi - ____ emnye. ____ sezinto zokubala ____. 	<ul style="list-style-type: none"> Sifumene izibalisi ezi - ____ emnye. ____ sezinto zokubala ____. 	<ul style="list-style-type: none"> Sifumene izibalisi ezi - ____ emnye. ____ sezinto zokubala ____. 																



Yahlulela abantwana iilekese.

 <table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>									 <table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>						
<ul style="list-style-type: none"> 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 = ____ 														





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.

_____	_____	_____

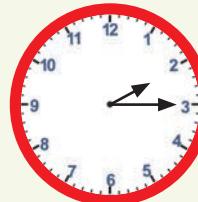


Ukugoduka

UThemba uthabatha ixesha elingakanani xa egoduka?

imizuzu

iiyure



UThemba uyasishiya isikolo.

UThemba ufika
ekhaya.



Ixesha liyakhawuleza

Ixesha ngezi-2 ...



Mingaphi imizuzu kwiijure ezi-2? _____

Zingaphi iiyure kwiintsuku ezi-2? _____

Zingaphi iintsuku kwiiveki ezi-2? _____

Zingaphi iinyanga kwiminyaka emi-2? _____



Zingaphi iintsuku?

Ngowama-27 kuEpreli luSuku
IweNkululeko.

Ngowe-16 kuJuni luSuku loLutsha.

Epreli						
Mv	Lb	Lt	Ln	Lh	Mqg	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	Lh	Mqg	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	Lh	Mqg	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. Usukela ngoSuku IweNkululeko ukuya kuSuku loLutsha zi _____
iinyanga ezipheleleyo, zi _____ iiveki ezipheleleyo ze zibe _____ iintsuku.

b. Zingaphi iiveki ezipheleleyo zizonke? _____
Zingaphi iintsuku ezishiyekileyo? _____. Zingaphi iintsuku zizonke? _____.

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

Ngubani omdala? _____

Ngeentsuku ezingaphi? _____

Khangela. Thelekisa.

Lungisa.



33

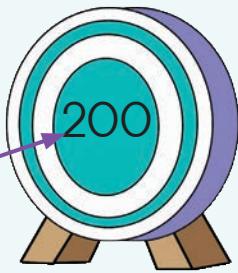


Bala urike kuma-200



Bala amanani

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



101	102						103												
104							105												
106							107												
108							109												
110							111												
112							113												
114							115												
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194							195												
196							197												
198							199												
200							201												



Bhala amanani

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

200; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____



Bhala amanani angekhoyo?



a.

200		180			

					110
50					
					0

b.

87			107		
167					
			207		
					237



Gqibezela

$$200 + 30 + 5 = 235$$

$$200 + 40 + 7 = \underline{\hspace{2cm}}$$

$$200 + 60 + 8 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 293$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 256$$

Bhala amanani
ngokulandelelana usuke
kwelincinci uye kwelikhulu.



Ukubala ukusuka kwi-100

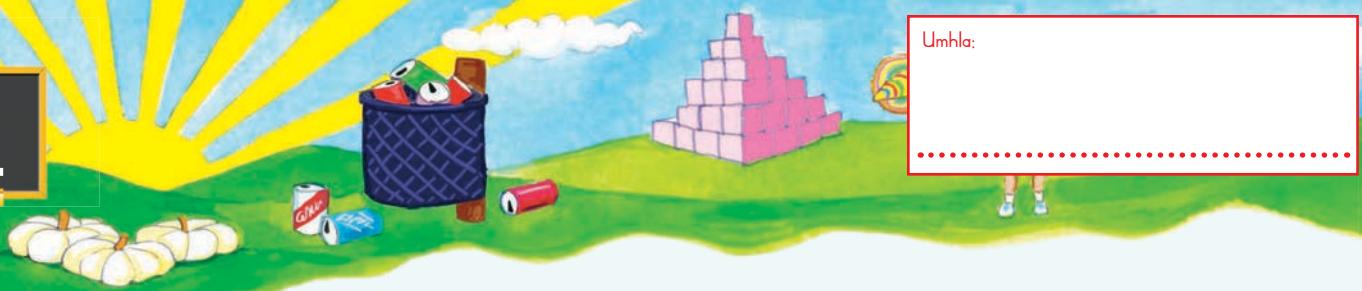
Bala ukuba kufuneka ntoni ukuze ufilelele kwinani elilandelayo.

Qala



Gqiba





Umhla:



Ukusebenza ngamaqela amanani

Ukupakisha amakhandlela

UMaNkosi usebenza kumzi ovelisa amakhandlela.

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



Mangaphi amakhandlela akwiibhokisi nganye? _____

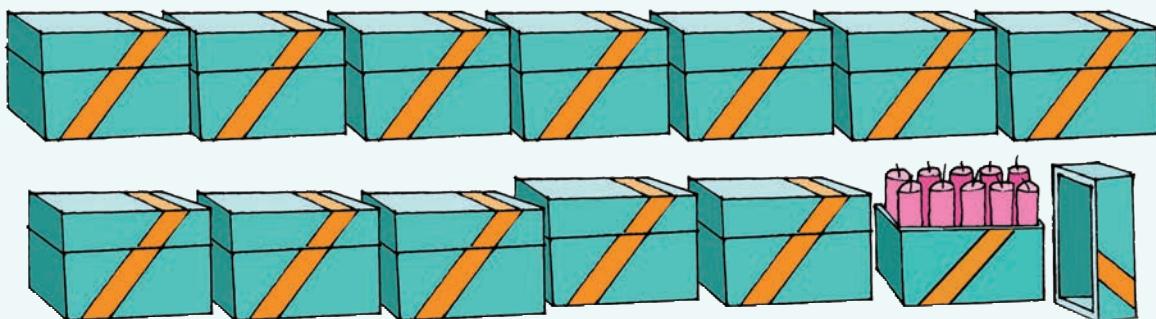
Zingaphi iibhokisi kwithala ngalinye? _____

Mangaphi amakhandlela akwithala ngalinye? _____



Iibhokisi zamakhandlela

UMaNkosi uvala iibhokisi.



- a. Bala zonke iibhokisi.

Zingaphi iibhokisi? _____

Mangaphi amakhandlela ewonke? _____

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

- b. Mangaphi amakhandlela kwii :-

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

- c. Zingaphi iibhokisi ekufuneka enazo:

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



35a



Umhla:



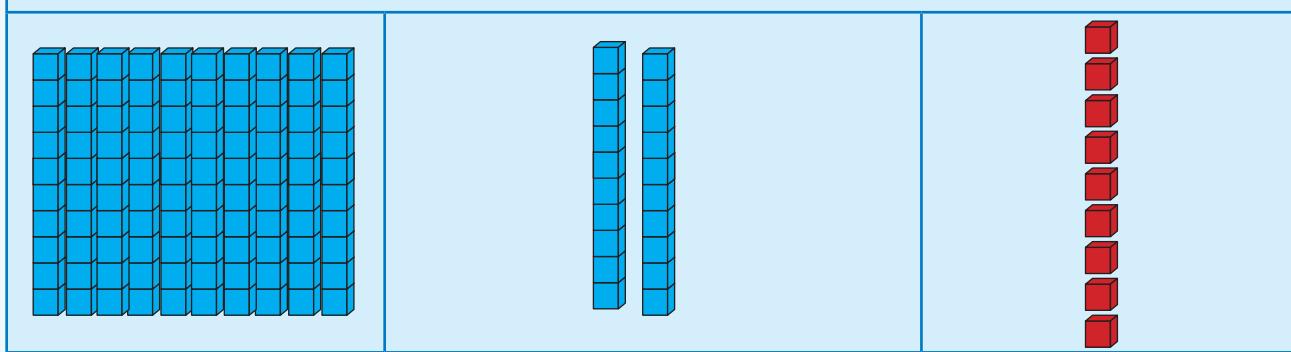
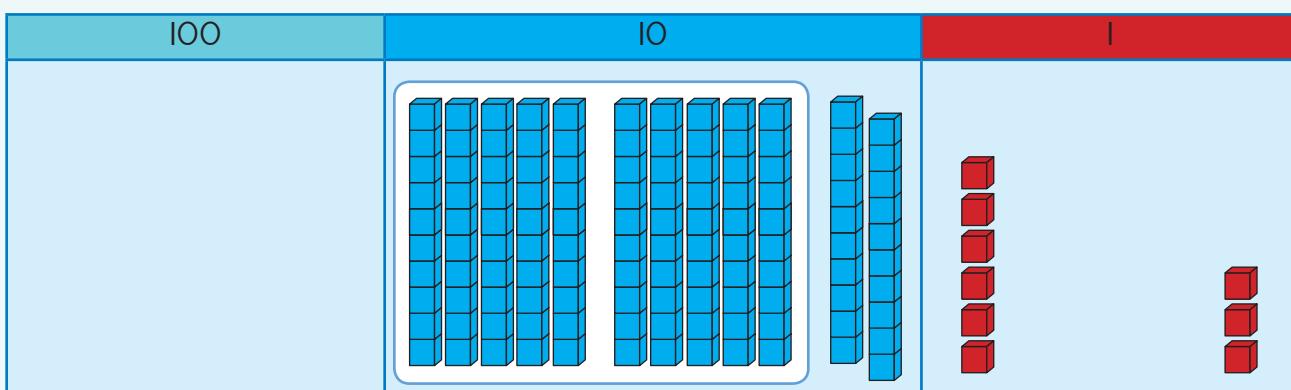
Ikota yesi-2

Ukubeka amashumi ndawonye nokuwacazulula



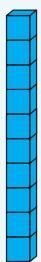
Ukubeka amashumi ndawonye xa sidibanisa siye kuma-qqq

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





Masizame



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

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



$$100 + 20 + 6 = 126$$

a. $65 + 52$

b. $76 + 63$

c. $86 + 65$



Teacher: _____
Sign: _____
Date: _____

35b



Ukubeka amashumi ndawonye
nokuwacazulula (kusaqhutywa)

Umhla:



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: $60 - 55 =$

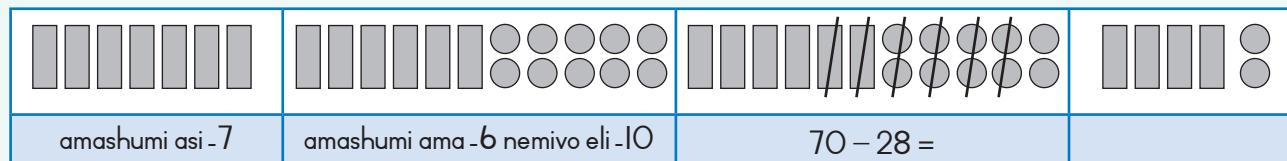
Siqala ngamashumi amathandathu nemivo engekhoyo. Sifuna ukuthabatha amashumi amahlanu nemivo emihlanu. (imivo esiyithathayo ifakwe umbala ongwevu)

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

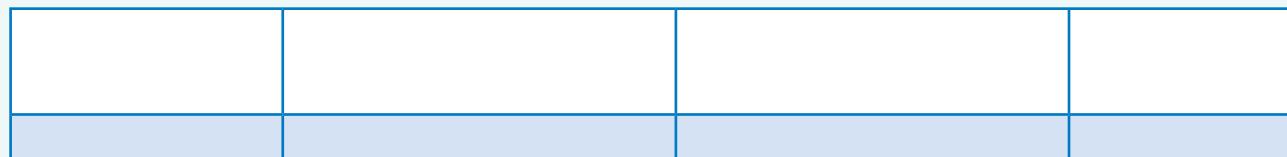


Masizame

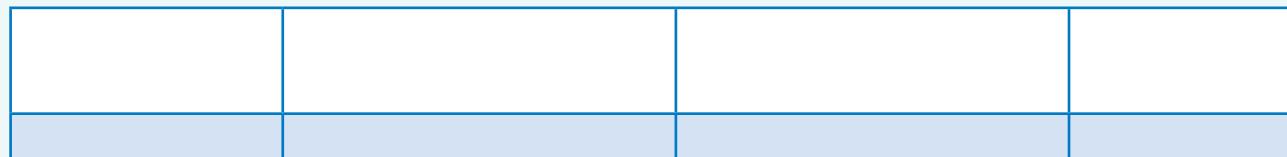
a. $70 - 28$



b. $90 - 46$



c. $80 - 53$



Ukufumana isibini samanani

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	

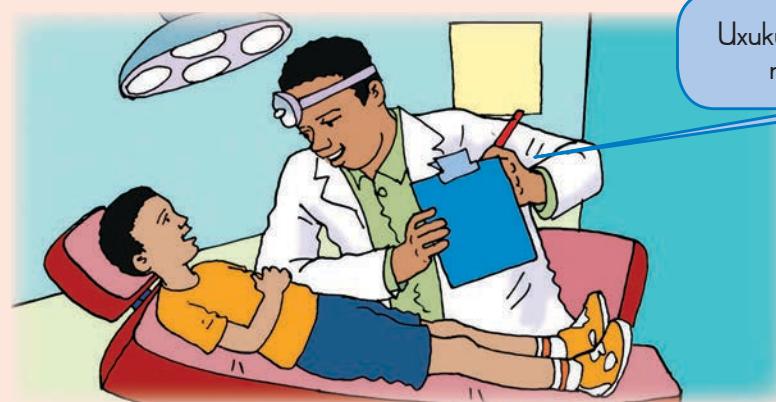


Teacher: _____
Sign: _____
Date: _____



Utyelelo kugqirha wamazinyo

Iqela labantwana lityelela ugqirha wamazinyo.



Naku akuxelawa ngabantwana



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

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.



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.



37a



Dibanisa uze uqukanise



Bhala izibalo zakho

UBusi unokudibanisa imivo kunye namashumi aze aqukanise kwakhona.

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

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

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

$$\begin{array}{r} 6 \\ + 3 \\ \hline q \end{array}$$

Udibanisa imivo aze abeke phantsi ikhadi q .

Uyazi: $50 + 70 = 120$.

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

ukwenza inani elinemivo emi -3.

Umhla:



Uyibhala ngolu hlobo:

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

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

UDumi uyazi ukuba iibloko zisebenza njani.

Isibalo $56 + 73$ usenza ngola hlobo:

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



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

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



b. $72 + 63$

c. $81 + 57$

d. $69 + 71$

Sebenzisa indlela ka-Aakar xa usenza oku.



37b



Umhla:



Dibanisa uze uqukanise (kusaqhutwywa)

Masithabathe.



a.

Indlela yokubala ka Busi

$$\begin{aligned}80 - 50 + 7 - 3 \\= 30 + 4 \\= 34\end{aligned}$$

Indlela yokubala ka-Dumi

$$\begin{aligned}\cancel{80 + 7} - \cancel{50 + 3} \\= 30 + 4 \\= 34\end{aligned}$$

b. $95 - 73$ c. $86 - 62$ d. $85 - 69$



Sombulula!

Zininzi iindlela zokudibana imivo kunge namashumi. Khetha indlela oyaziyo noyithandayo yokubala ezi zibalo. Bonisa umsebenzi wakho.

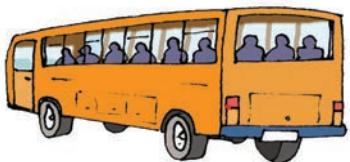
- a. UPeter uqala akhe iipesika ezingama -34 aze aphinde akhe ezingama -67. Zingaphi iipesika azikhileyo zizonke?



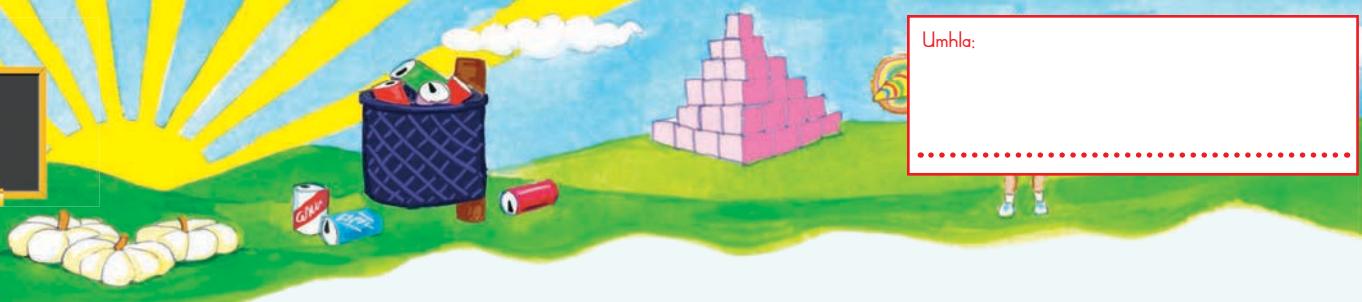
- b. Abantwana bakwa Malusi banemali engama -R47 bebonke. Umama wabo ubaphe ama -R58. Banamali ni ngoku?



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



Teacher:
Sign:
Date:



Umhla:

Sombulula!



Iziciko zeebhottile

Sebenzisa nayiphi indlela yokubala oyithandayo.
Bonisa umsebenzi wakho.



USipho



UAndile

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

Zininzi kangakanani iziciko zebhotile zikaSipho kunezika-Andile?



Umyhadala wekonisathi yesikolo



UMusa

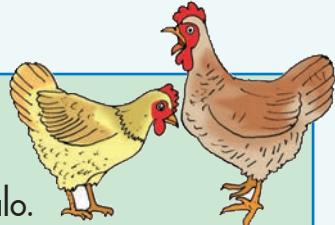


UMusa uthengisa amatikiti. Uqale enamatikiti angama -92. Usheyekelwe ngamatikiti angama -67 kuphela. Mangaphi amatikiti awathengisileyo ukaza kuthi ga ngoku uMusa?



Ukuziqhelisa ngakumbi

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



Indlela enza ngayo uGugu

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



Indlela enza ngayo uAakar

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



Ndithabathe
u-l. 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 eziqokelelwwe zizikolo zozibini?

Indlela enza ngayo uGugu

Indlela enza ngayo uAakar



Teacher:
Sign:
Date:

39



Umhla:

Bala



Fumana indawo

Bhala amanani ashijiwewo.

100
27

100
39

100
43

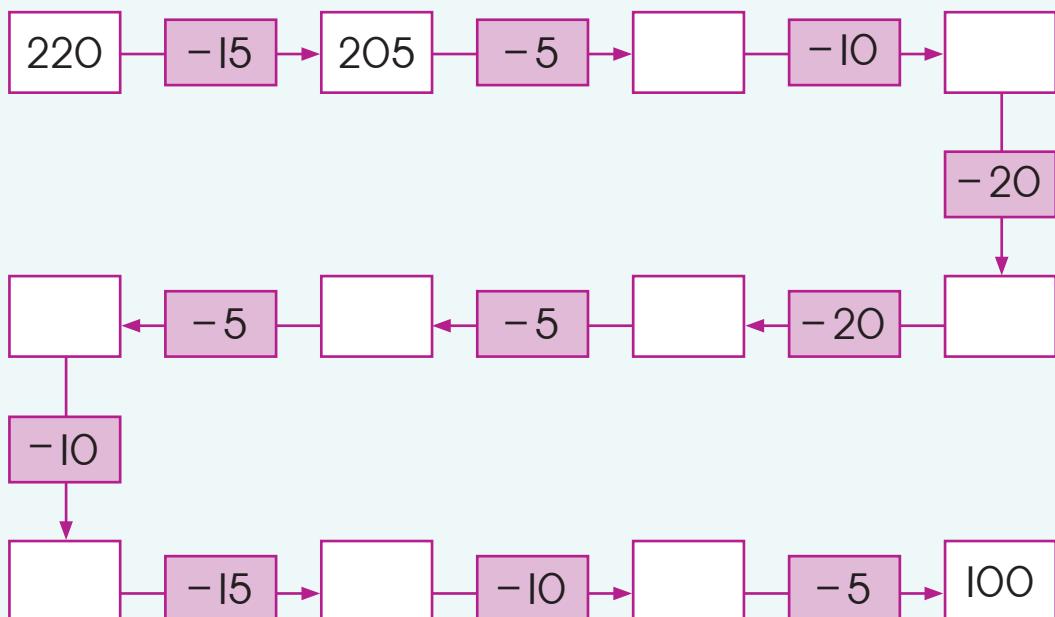
100
56

200
140

200
110

200
135

200
120

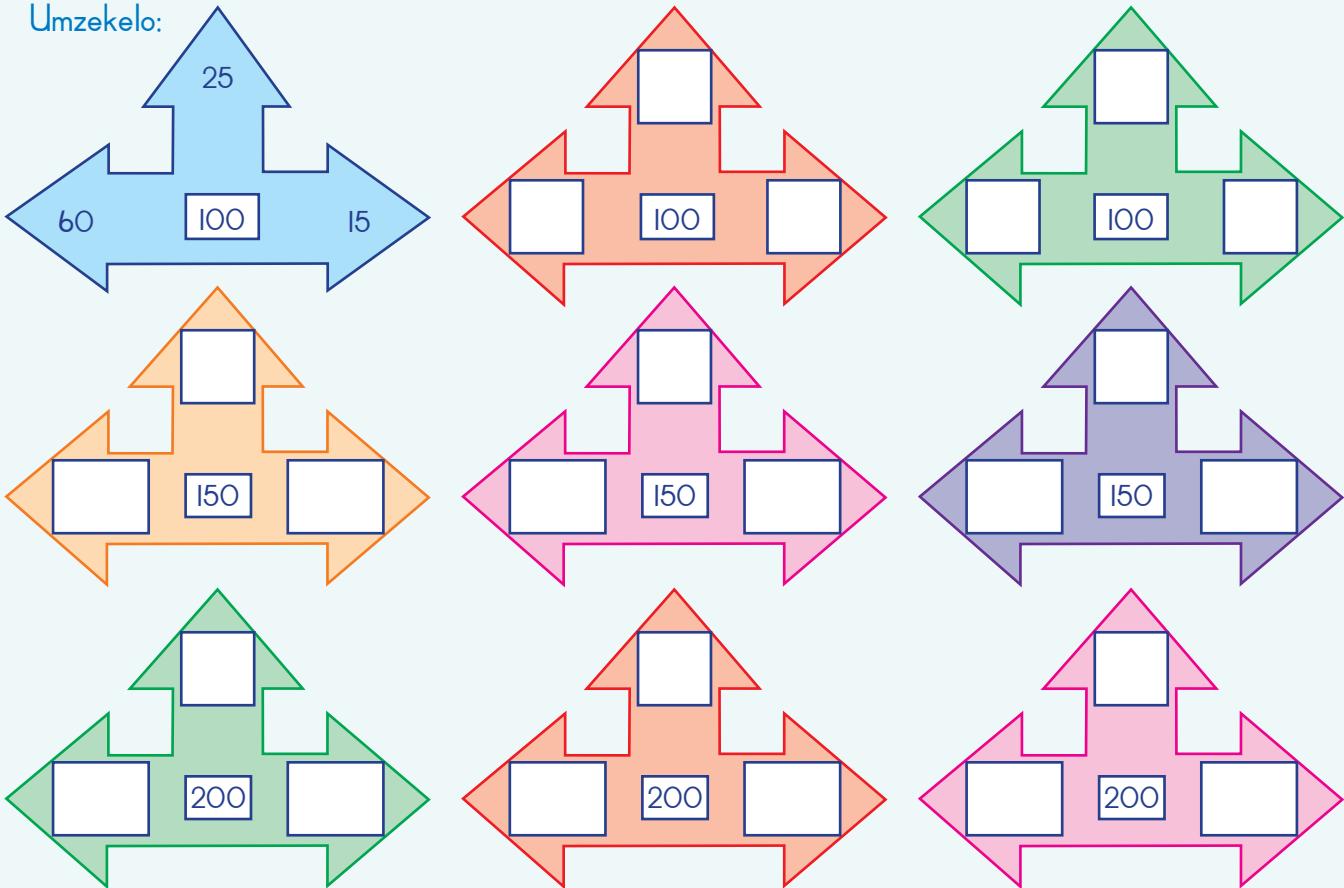
Ukuthabatha ubuya umva usuka
kuma-200 ukuya kwi-100Thabatha amanani akwibhokisi epinki ngexesha ngalinye.
Sikwenzele eyokuqala.Nantsi indlela
yokujonga
iimpendulo
zakho!Qala kwi-100!
Ubale ubuyele
kuma-220.Ke ngoku
dibanisa
amanani!



Iintsapho zezithathu

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

Umzekelo:



Ibe ngaphezulu ngama-50, ibe ngaphantsi ngama-50

Bhala iimpendulo kumqolo wesi -2.

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

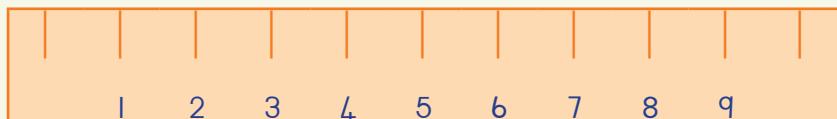


Teacher: Sign:
Date:



Ukulinganisa ngeesentimitha

Inkulu kangakanani isentimitha?



Amanani akwirula amele **iisentimitha**.

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

Xa usebenzisa iirula kufuneka uqale ku -O xa ulinganisa.

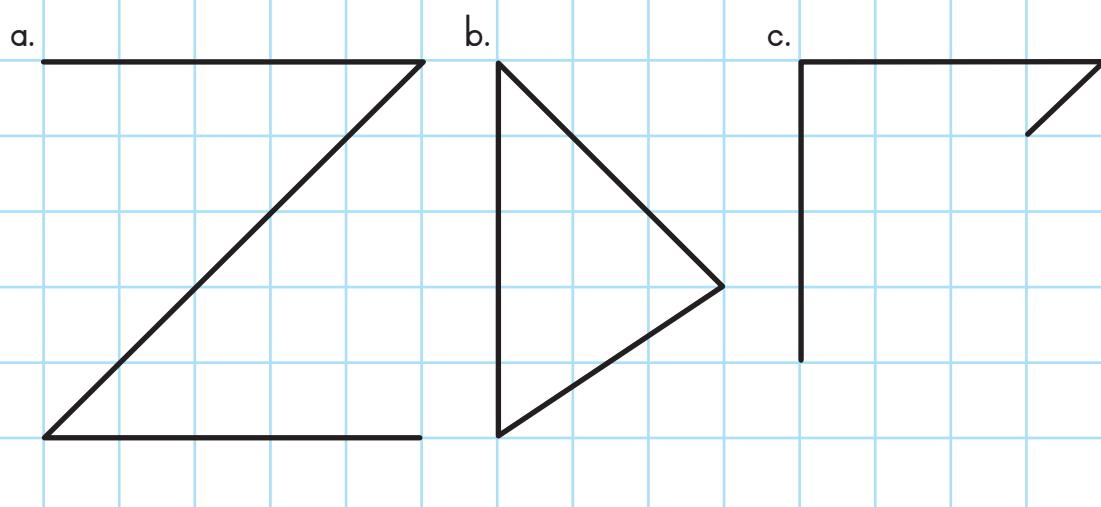
Ezinye iirula azimbonisi u -O njengalapha kweli phepha.

Fumana u -O cm kwirula. Bhala phezu kwerula.

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



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?

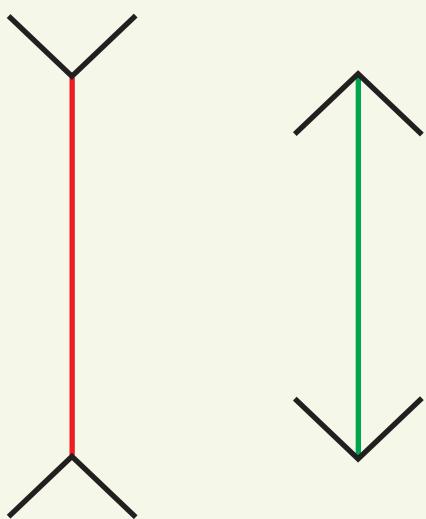
a. —————	<input type="text"/> cm	d.	<input type="text"/> cm
b. —————	<input type="text"/> cm	e. \	<input type="text"/> cm
c. —————	<input type="text"/> cm	f. \	<input type="text"/> cm



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.



4



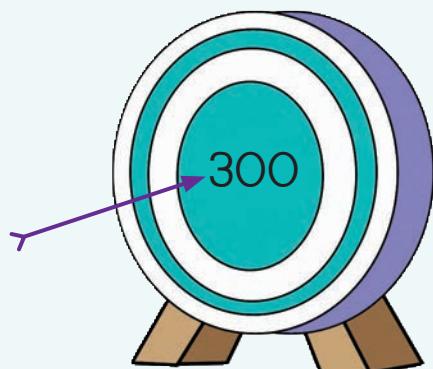
Umhla:

Ikota yesi-2

Bala urike kuma -300



Bala ubhale ama -200



Bala ukusukela kuma -201 ukuya kuma -300.

Khomba njengokuba uhamba.

Zalisa iibloko ezizuba kuqala.

Bhala onke amanye amanani ashiyelelweyo.

201						207			210
211									
221									
231									



Bhala amanani ali -10 aza emva kwama -300.

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



Ungakanani umtsi?

30I		28I					
-----	--	-----	--	--	--	--	--

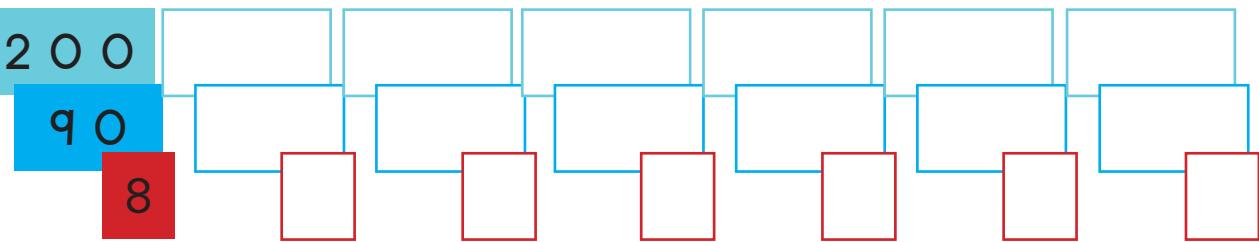
	17I					2II
						10I



Ukubonisa nokuthelekisa

- a. Bhala amanani angena kwikhadi ngalinye.

298; 208; 30I; 276; 227; 269; 3II



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

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



Yintoni umahluko?

Isiqalo



Isiphelo



42

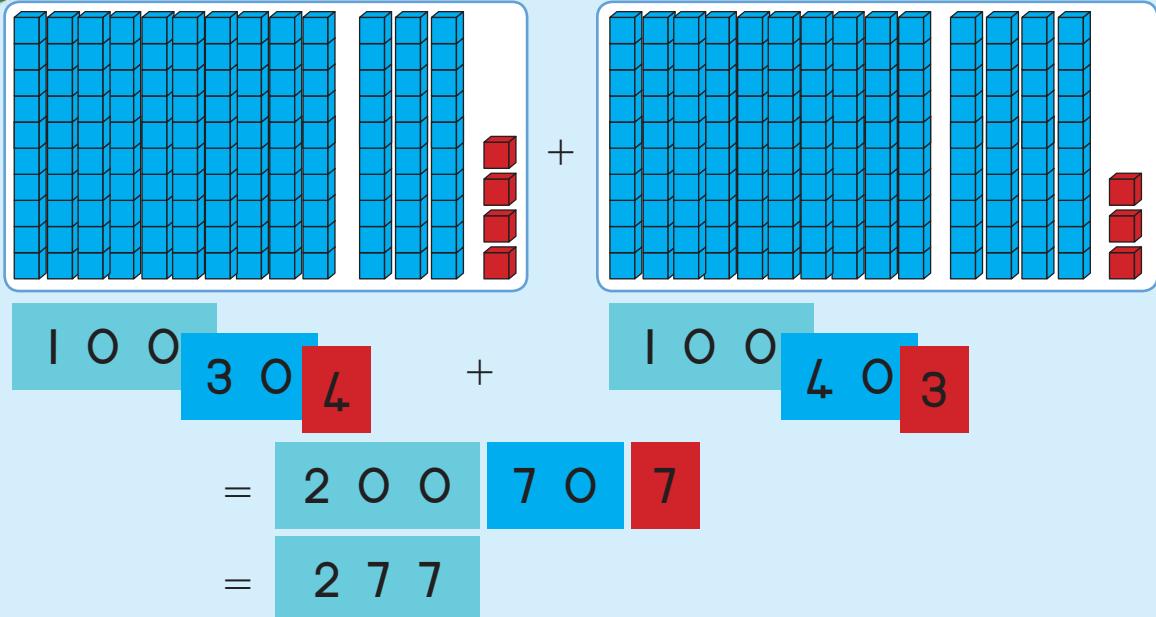


Ikota yesi-2



Ukudibanisa nokuthabatha ngama-100

Ukusebenzisa iibloko ukuze udibanise



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

$$\begin{aligned}
 &\cancel{1}32 + \cancel{1}23 \\
 &= 200 + 50 + 5 \\
 &= 255
 \end{aligned}$$



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. $288 - 199$



Teacher: _____
Sign: _____
Date: _____

43



Umhla:

Ikota yesi-2

Bala urike kuma -400

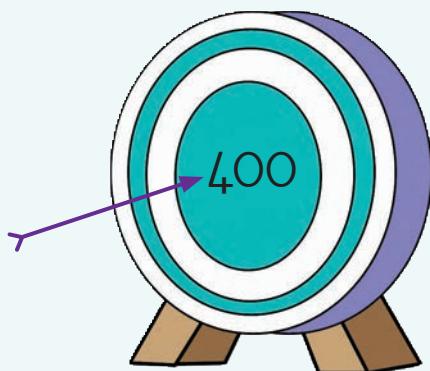


Ukubala nokubhala ama -400

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		
									390
									400



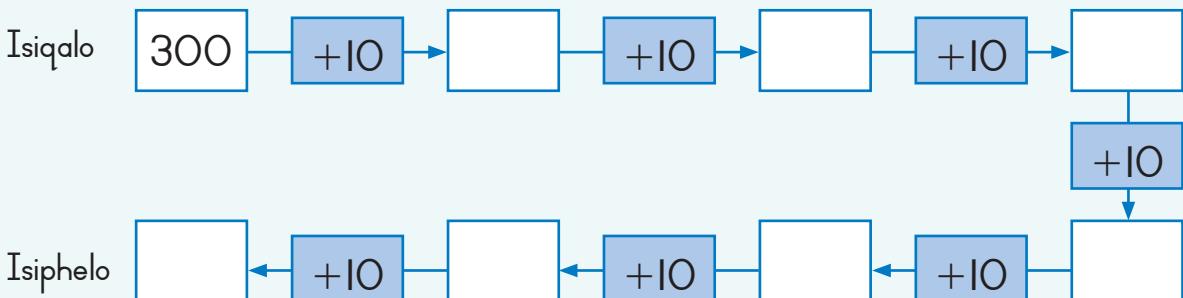
Bhala amanani ali -9 alandela ama -400.

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

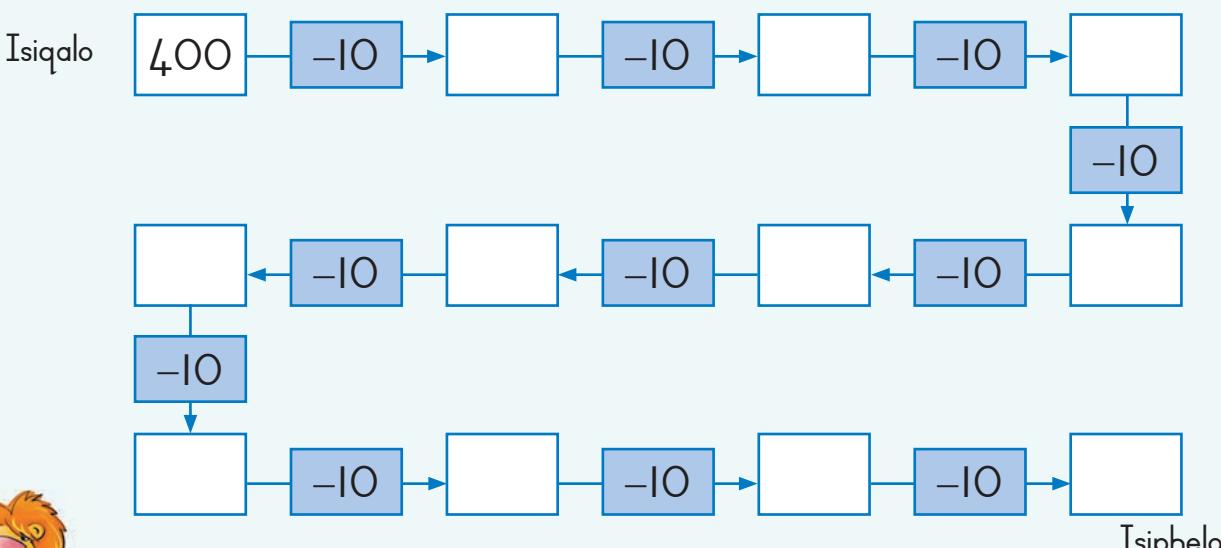


Bala uye phambili okanye ubuye umva

- a. Bala uye phambili uqale kuma -300.



- b. Bala uqale kuma -400



Bhala njengenani elinye.

$$300 + 20 + 4 = \underline{\quad}$$

$$300 + 10 + 5 = \underline{\quad}$$

$$300 + 50 + 3 = \underline{\quad}$$

$$300 + 70 + 7 = \underline{\quad}$$

$$300 + 60 + 2 = \underline{\quad}$$

$$300 + 90 + 9 = \underline{\quad}$$

$$300 + 80 + 1 = \underline{\quad}$$

$$300 + 40 + 8 = \underline{\quad}$$

Bhala amanani ngokulandelelana kwawo ukusuka kwelona lincinci ukuya kwelona likhulu.

 , , , , , , ,



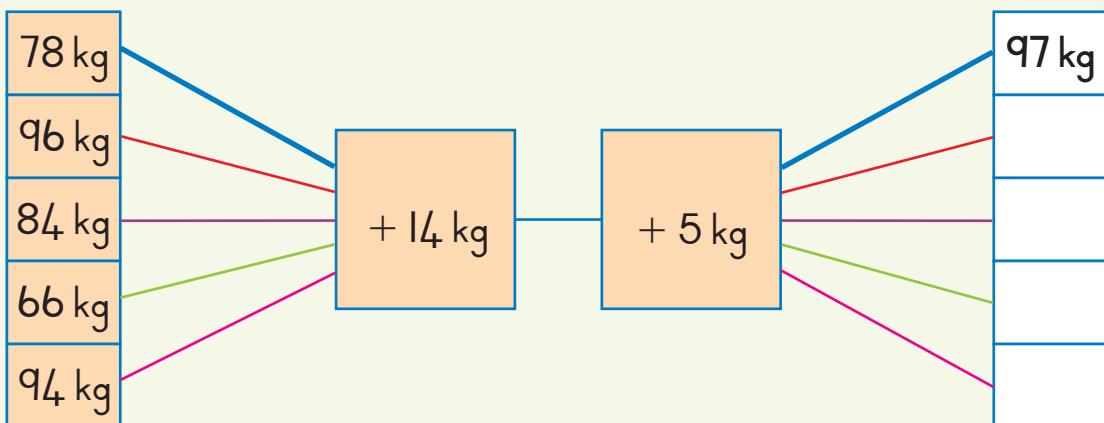


Ukulunganisa ubunzima



Inani elikhethekileyo

Dibanisa uze ubhale iimpendulo.



Ukuweza inani nokudibana!

Cingisia!

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

Weza ubunzima besilwanyana ngasinye buye kwelona 10kg lisondeleyo.

Bhala ubunzima besilwanyana ngasinye ngokulandelelana usuke kwasikhaphukhaphu uye kwesinzima.

Qikelela ubunzima bezilwanyana ezi -5 zizonke.



Dibanisa ubunzima bazo



Amanyathelo

Ndisenokungabi nzima njengawe Fudo, kodwa ngokuqinisekileyo ndiyakhawuleza kunawe!



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

	Ndiyaqikelela	Ndiyabala	Umahluko
+			
+ +			
+ +			



Ubunzima bukaVusi

Qaphela. Thelekisa. Lungisa.

UVusi udibanisa ubunzima bakhe kobe no .

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

Bonisa impendulo yakho.



Bungakanani ubunzima bam?

Dlalani kwiqela. Tshintshiselanani ...

Dibanisa ubunzima bakho kubunzima bezinye izilwanyana.

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



45



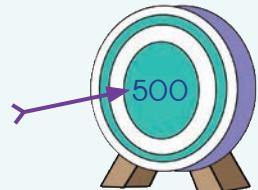
Umhla:

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

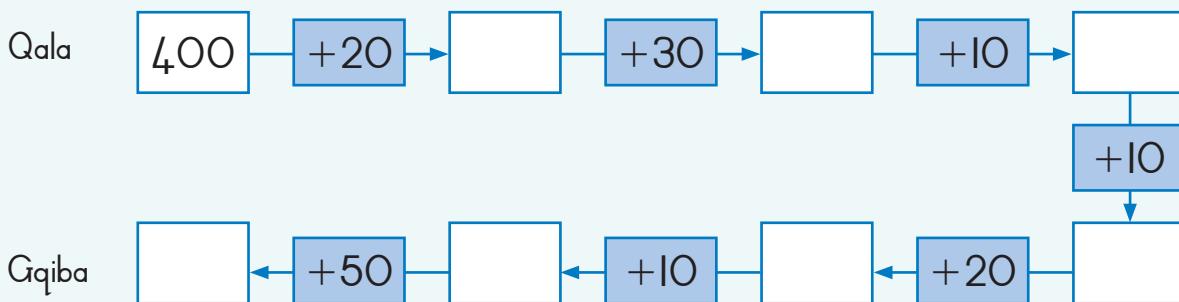
- e. Bala ngezi -5. Bhala amanani asi -8 alandelayo **kwipatheni yezi -5**.

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

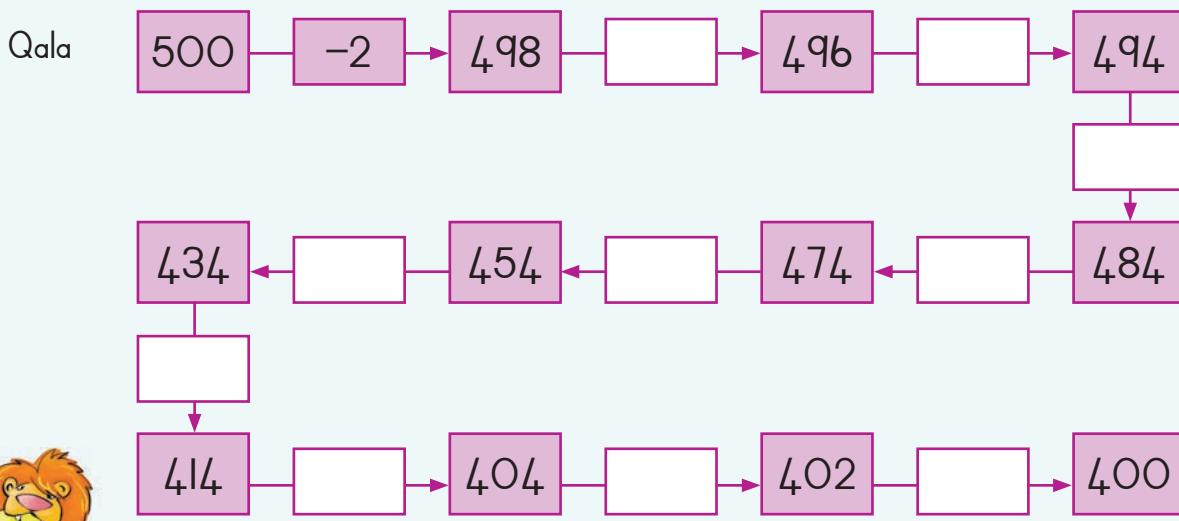


Fakela amanani ashayiweyo.

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

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



Teacher:
Sign:
Date:

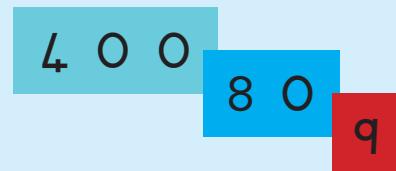
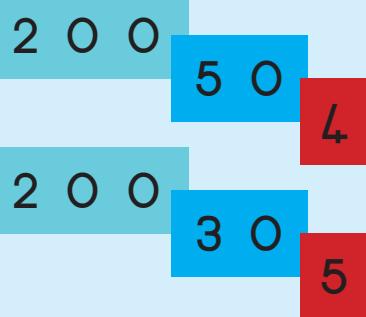
46

Umhla:



Ikota yesi-2

Okunye ukudibaniса nokuthabatha



489



Siza kusebenzisa indlela yokudibaniса kaBusi nekaDumi.

a. $245 + 231$



Indlela kaBusi

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

Indlela kaDumi

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



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

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

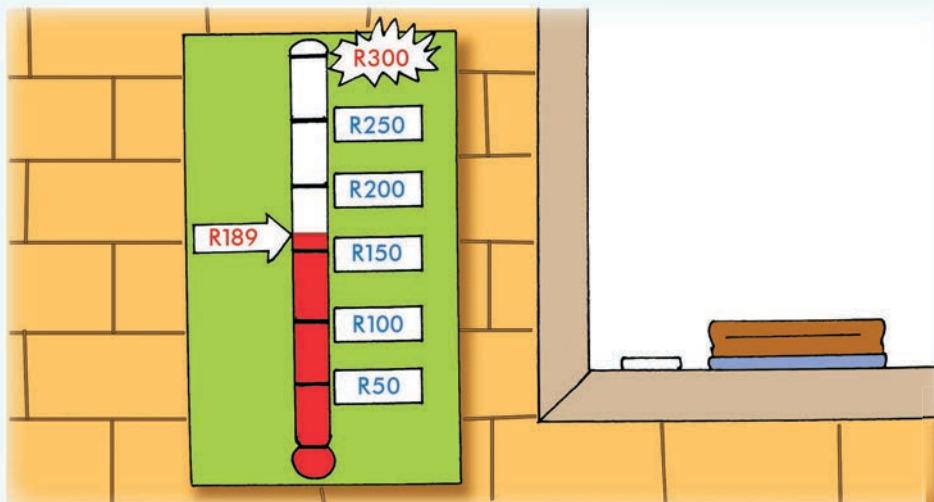


b. $489 - 456$

c. $482 - 161$



Ukufikelela kwithagethi



Jongisisa umfanekiso.

Kusafuneka malini ukuze kufikwe kwinjongo yakho?

R



Teacher:
Sign:

Date:

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	9	10	II	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

Izikhokelo ezingamanani	Impendulo	Unobumba
Umzekelo: $2 \times 3 \times 3 \times 1 = \square$	18	R
$50 + 50 + 50 + 100 - 200 - 45 = \square$		
$1 + 2 + 7 + 10 + 7 + 1 - 14 = \square$		
$60 - 30 + 50 + 20 - 50 - 15 - 20 = \square$		
$3 + 2 + 7 + 1 + 2 + 1 + 3 = \square$		
$5 + 3 + 30 = 4 + 2 + 12 + \square$		
$100 - 5 - 70 = 20 + \square$		
$36 + 44 - 60 - 22 = \square$		
$10 + 15 = 14 + \square$		
$2 + 1 + 14 + 9 + 14 = 25 + \square$		
$1 \times 2 \times 2 \times 2 \times 2 = \square$		

Igama lentaba



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?

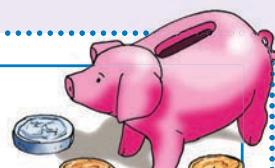


Khangela. Thelekisa. Lungisa.

Yeyiphi engaphezulu?

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

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

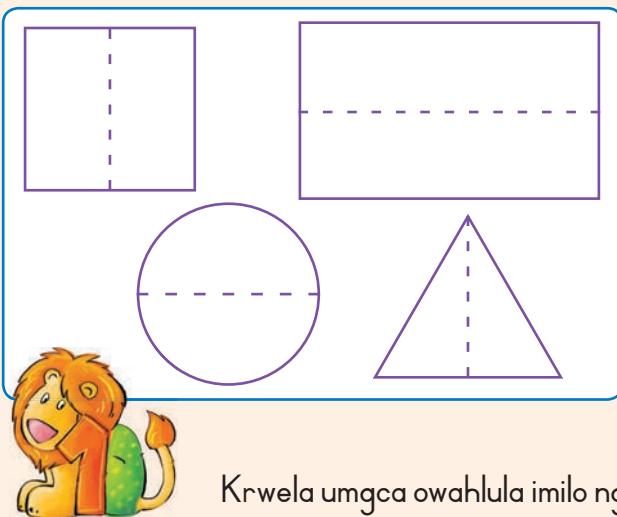


Teacher:
Sign:
Date:



Umafana twatse

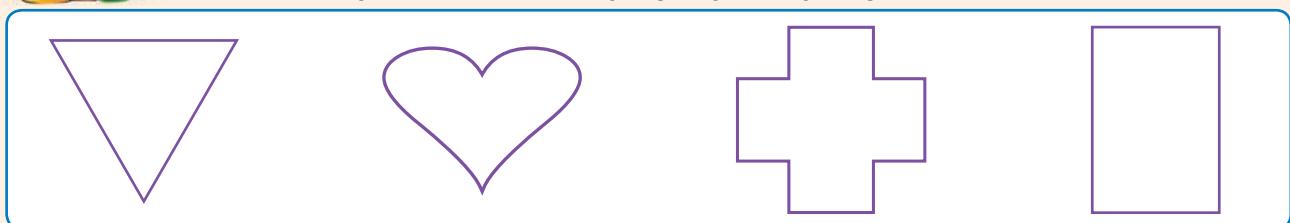
Uqaphela ntoni ngezi milo?



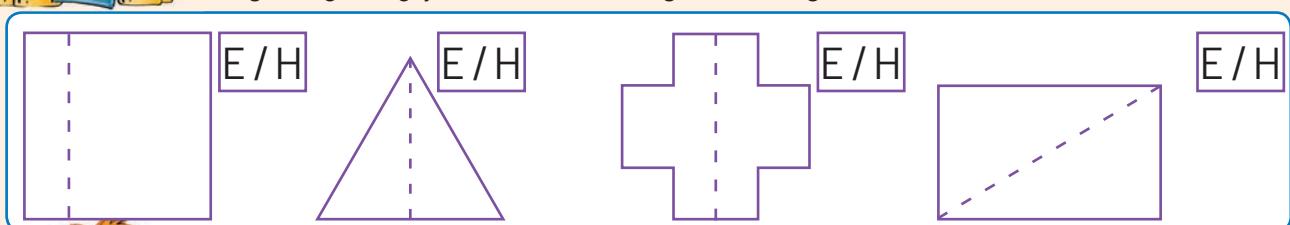
Umgca kamatwatotse (wesimetri) wahlula imilo ibe ziziqingatha ezibini ukuze isiqingatha ngasinye sifane twatse nesinye oku komfanekiso wakho esipilini.



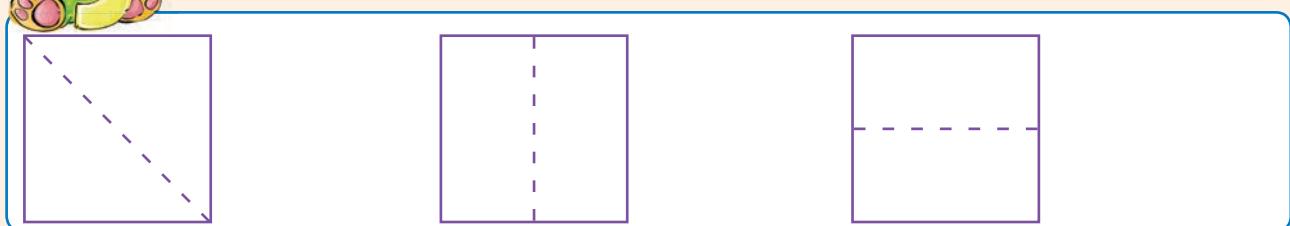
Krwela umgca owahlula imilo nganye ngokulinganayo

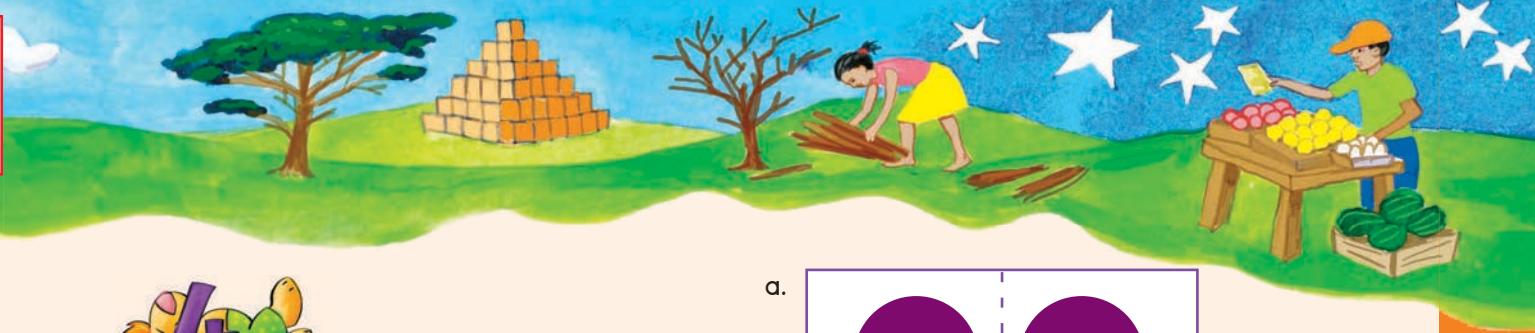


Ingaba umgca ochokoziweyo ngumgca owahlula ngokulinganayo okanye asinguwo?
Biyela ngesangqa u-E (EWE) okanye u-H (Hayi).



Ingaba ngumgca kamafana twatse lo? Ngoba kutheni?

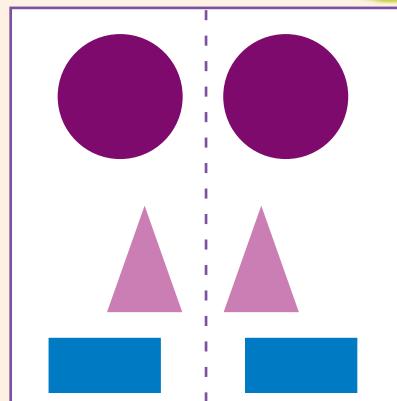




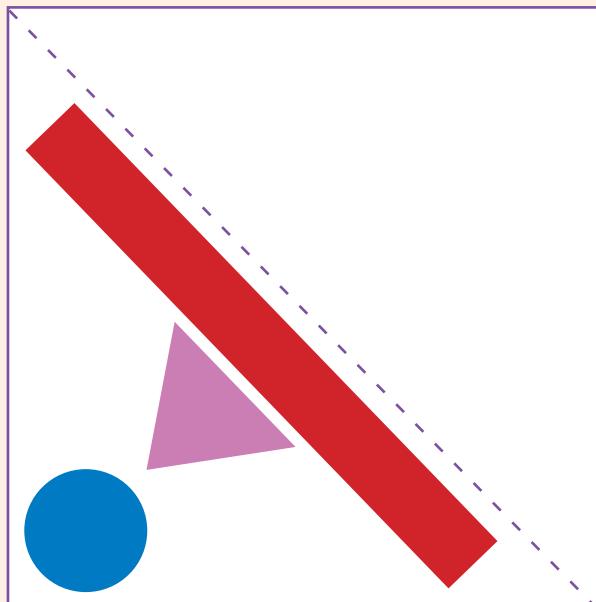
Zoba iimilo wenze umfanekiso kamatwatotse.

Sikwenzele owokuqala.

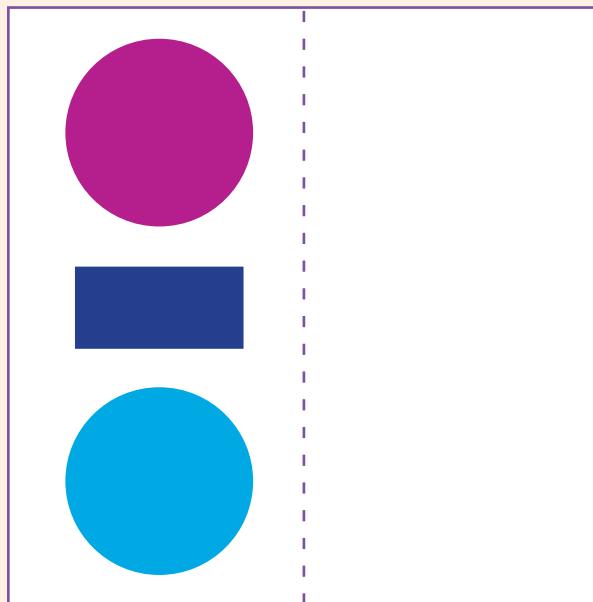
a.



b.



c.



Ziyilele eyakho
ikhaphethi
kamatwatotse
usebenzise iimilo.

Teacher: _____
Sign: _____
Date: _____



49

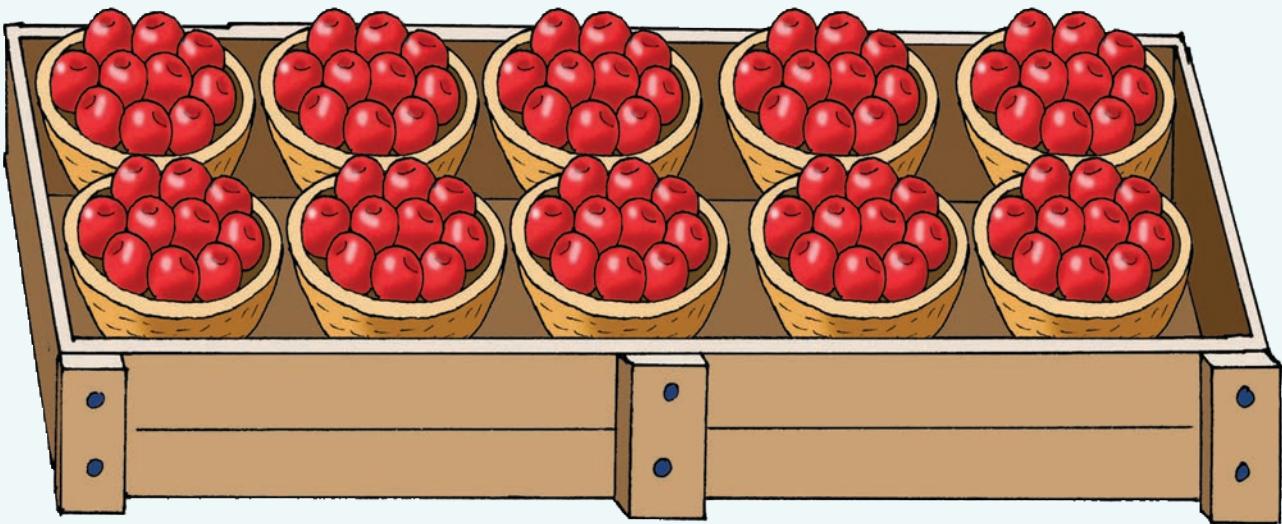
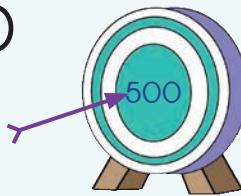


Umhla:



Ukuya kuma-500

Bala ama-apile



Gqibezela uphindaphinde

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

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

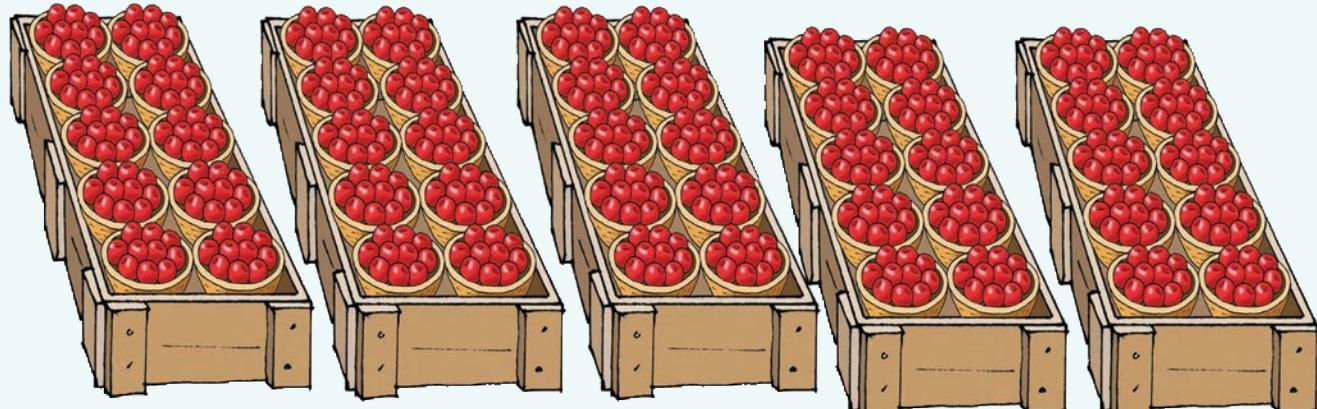


Kukho ama-apile ali -10 kwibhasikithi e-l.

Kukho iibhasikithi ezi _____ kwibhokisi enye.

Kukho ama-apile a _____ kwibhokisi enye.

Mangaphi ama-apile akhoyo ewonke? _____



Ukubala, ukubonisa nokubhala

300

40

5

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

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

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

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

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



50



Ukuphindaphinda nokwahlula (10)

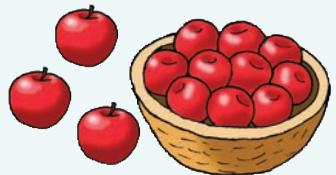


Ukubala ama-apile

Gqibezela itheyibhile

Zingaphi iibhasikithi ezinama-apile?

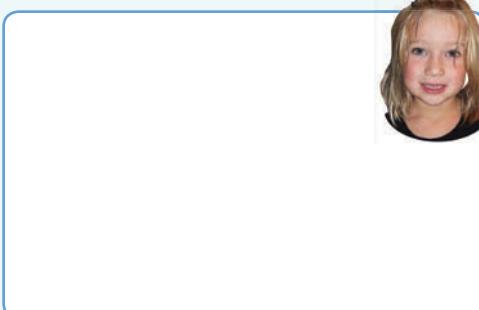
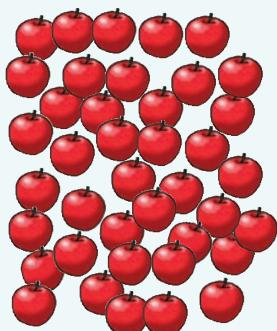
Umhla:



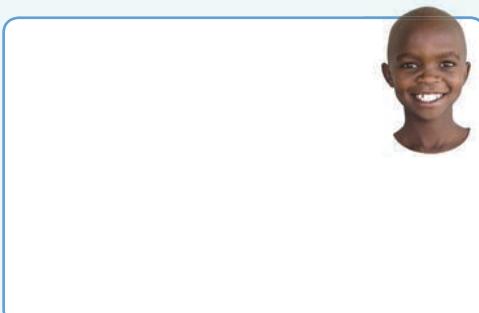
Ama-apile	10	20	30	40	50
Iibhasikithi	1	2			
isibalo so - ÷					$50 \div 10 = 5$
isibalo so - ×					$5 \times 10 = 50$



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

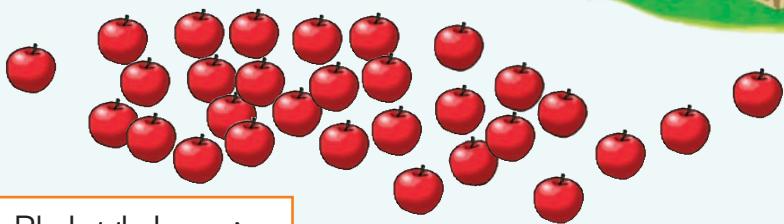


Hlola iimpendulo zakho

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




b.



Bhala isibalo so - ÷



Bhala isibalo
so - × ukuze uhlole
iimpendulo zakho



Sebenzisa amanani uenzele ezakho izivakalisi zamanani.



Umzekelo

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

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



÷		×	
---	--	---	--



÷		×	
---	--	---	--



÷		×	
---	--	---	--



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

_____, 460, _____	_____, 390, _____	_____, 500, _____
-------------------	-------------------	-------------------



Teacher:
Sign:

Date:



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



a. Zingaphi izibini zeeglavu kumqolo omnye? _____

b. Zingaphi iiglavu ezinganye kumqolo omnye? _____

c. Mingaphi imiqolo? _____

d. Zingaphi iiglavu zizonke? _____

e. Bonisa indlela obale ngayo.

f. Bhala impendulo yakho njengesivakalisi samanani.

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



Zingaphi ii glavu?

Bhala kwiitheyibhile.

a.

Izibini										
Izibini zeeglavu	2									

b.

Iglavu enye	20	21	70	73
Izibini ezinokwensiwa				
Iiglavu ezinganye ezishiye kileyo				



Bala ngezibini

a. Leliphi inani eliphakathi?

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

b. Bhala amanani amabini alandelayo.

373, 375, 377, 379	480, 482, _____, _____	262, 264, _____, _____
--------------------	------------------------	------------------------

c. Bhala amanani amabini alandelayo.

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





Umhla:



Ucwangcwiso lwegadi

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.

$$6 \times 1 = 6$$

$$3 \times 2 = 6$$

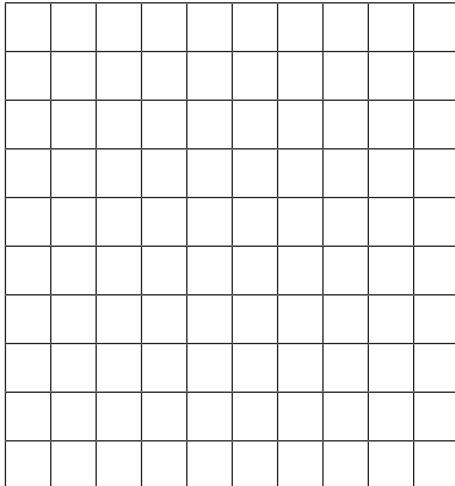
$$2 \times 3 = 6$$

Ngoku lithuba lakhlo!

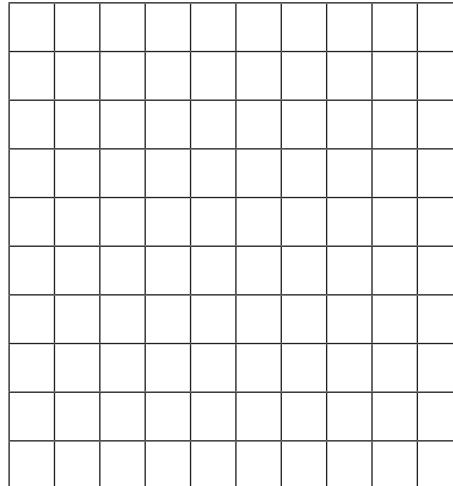
Fakela umbala kwiibloko zeethayile ubonise indlela onokuzicwangcisa ngayo izikwere zeethayile ezi -8 nezili -9.

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!

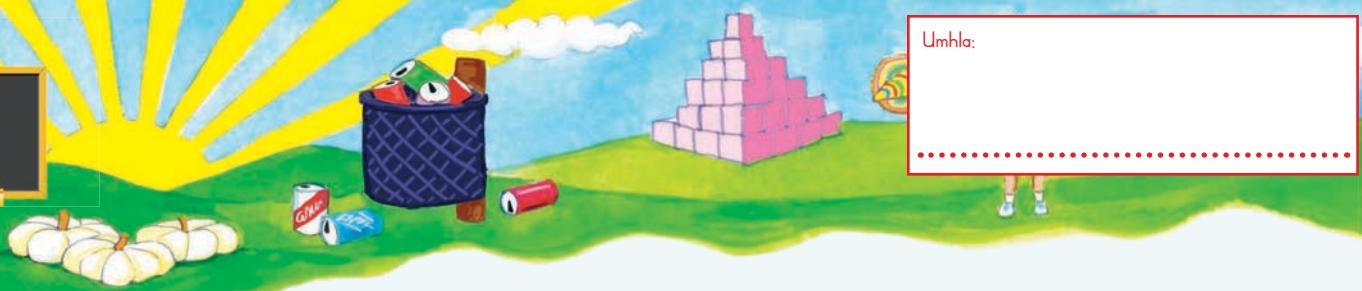
$12 = 2 \times$ <input type="text"/>	$3 \times$ <input type="text"/> $= 12$	$9 =$ <input type="text"/> $\times 3$
$6 = 3 \times$ <input type="text"/>	<input type="text"/> $\times 3 = 12$	$24 = 3 \times$ <input type="text"/>



Teacher:
Sign:

Date:

53



Sebenzisa izihlanu



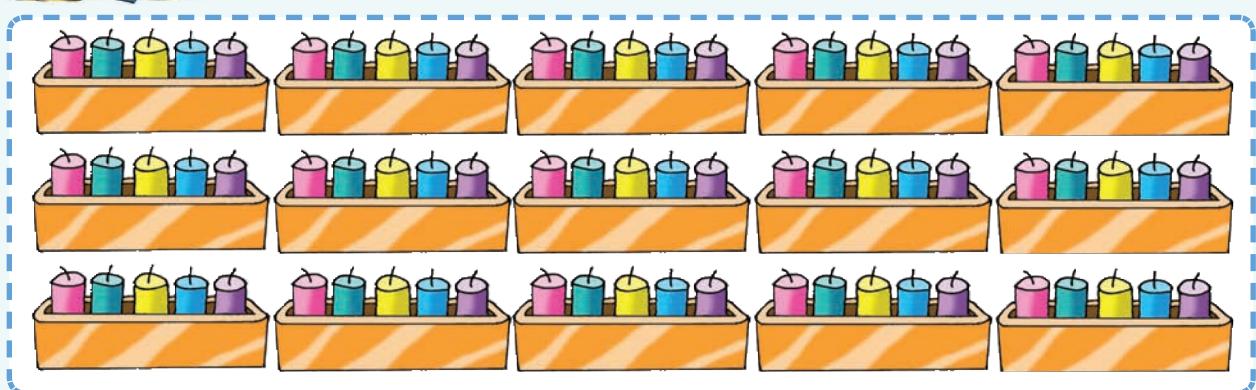
Zazi izi-5 zakho

Fakela iimpendulo.

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



Bala amakhandlela



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



Bonisa impendulo

Phawula (✓) izivakalisi zamanani ezibonisa itotali yenani lamakhandlela.

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



Bala uye phambili nasemva ngezi-5

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



Qokelela imali eziinkozo ze-R5



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

$R5 \div R5$ = I Ingqekembe (yemali)	$R10 \div R5$ = 2 iingqekembe	R15? _____	R20? _____	R25? _____
R30? _____	R35? _____	R40? _____	R45? _____	R50? _____
$2 \times R5 =$ R _____	$4 \times R5 =$ R _____	$6 \times R5 =$ R _____		Uayajibona ipatheni?
$3 \times R5 =$ R _____				



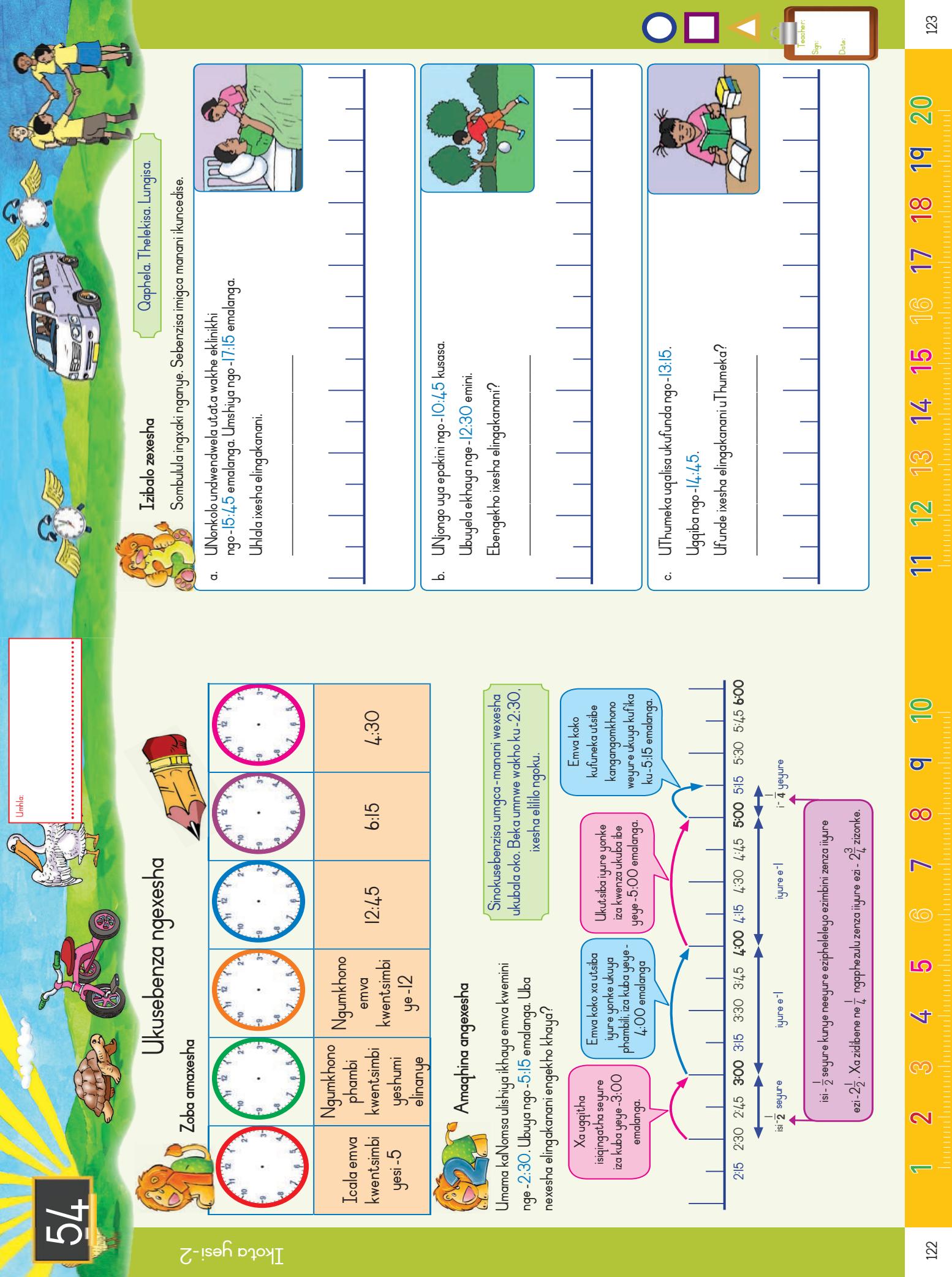
Phindaphinda ngezi-5

Umzekelo: I \times 5 = 5; II \times 5 = 55; 2I \times 5 = 105

Cingisisa! 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									





Ulkusebenza ngexesha



Zoba amaxesha

Isala emva kwentsimbi yesi -5	Ngumkhono phambi kwentsimbi yesumi elinanye	Ngumkhono emva kwentsimbi ye -12	12:45	6:15	6:30
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Amaghina angexesha

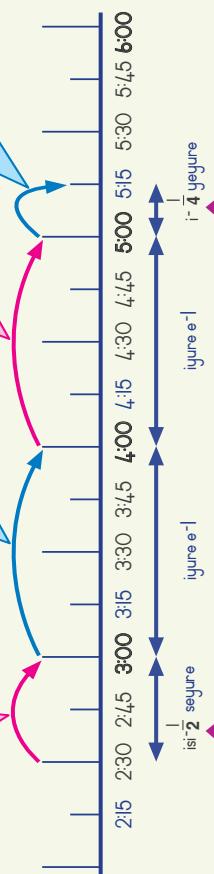
Umama ka Nomsa ulishiga ikhaya emva kwemini nge -2:30. Ubu nge -5:15 emalanga. Uba ngesha elingakanani iengekho khaya?

Xa ugqitha isiqingatha seyure izakuba yeje -3:00 emalanga.

Emva koko kufuneka utsibe kangangonkho weyre ukuya kufika ku -5:15 emalanga.

Ukutisiba iyure yonke izakwenza ukuba ibe yeje -5:00 emalanga.

Sinokusebenza umgaca - manani wexesha ukubala oko. Bekta umnwe wakho ku 2:30, ixesha elilio ngoku.



isi - $\frac{1}{2}$ seyure kunye neeyure e ziphelilejo ezimbini zenza iijure ezi - $2\frac{1}{2}$. Xa zdibene ne $\frac{1}{4}$ ngaphbezulu zenza iijure ezi - $2\frac{3}{4}$ zisonke.

Qaphela Thelekisa Lungisa.

Sombulula ingxaki ngany. Sebenzisa imiga manani ikunedise.



Izibalo zexesha

a. UNankolo unwendavela utata wakhe eklinikh
ng -15:45 emalanga. Umshiya nge -17:15 emalanga.
Uhlala ixesha elingakanani.



b. UNjongo uya epakini nge -0:45 kusasaq.
Ubuyela ekhayu nge -12:30 emini.
Ebengkho ixesha elingakanani?



c. UThumeka uqalisu ukufunda nge -13:15.
Uqliba nge -14:45.
Ufundie ixesha elingakanani UThumeka?



Bala ngezi-3 nangezi-4



Timbizza ezinemilenze emi-3

Dibanisa uze ubhale
impendulo.



- Zingaphi imimbiza kumqolo ngamnye? _____
- Mingaphi imilenze kumqolo ngamnye? _____
- Mingaphi imiqolo yeetafile? _____
- Mingaphi imilenze ijonke? Bonisa indlela obale ngayo. _____

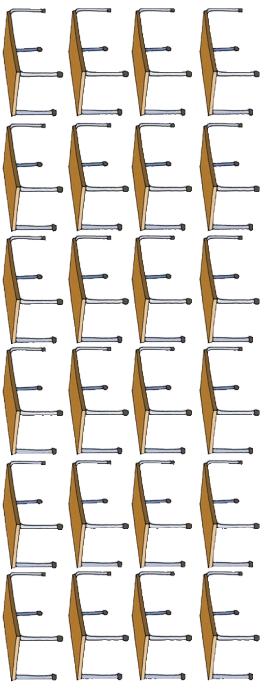
Phawula (✓) izivakalisi manari ezbisonisa itotali.
 $2 \times 7 = \boxed{ }$ $3 \times 7 \times 3 = \boxed{ }$ $3 \times 4 \times 2 = \boxed{ }$ $2 \times 3 = \boxed{ }$



Mingaphi imilenze?

1	imimbiza	3	imilenze	10	imilenze	5	imilenze
2	iimbiza		imilenze	15	imilenze	12	imilenze
5	iimbiza		imilenze	13	imilenze	14	imilenze

Imilenze yetafile



- Zingaphi iitäfile kumqolo ngamnye? _____
- Mingaphi imilenze kumqolo ngamnye? _____
- Mingaphi imiqolo yeetafile? _____
- Mingaphi imilenze ijonke? Bonisa indlela obale ngayo. _____



Wenze engama-48 ukuzuka kuthi ja ngoku. Angenza itäfile ezingaphi?



Gqibeza igridi ngokufakela iimpendulo.

Umchhweli wenza itäfile. Uqala ngemilene.

Wenze engama-48 ukuzuka kuthi ja ngoku. Angenza itäfile ezingaphi?

Kufuneka imilenze ermingaphi ukuze enye itäfile.

2	3	4	5	8	10	11	12
$\times 3$	$\times 6$						
$\times 4$	$\times 8$						

Bala ngama-50

Umntwana omnye, ingubo enye!

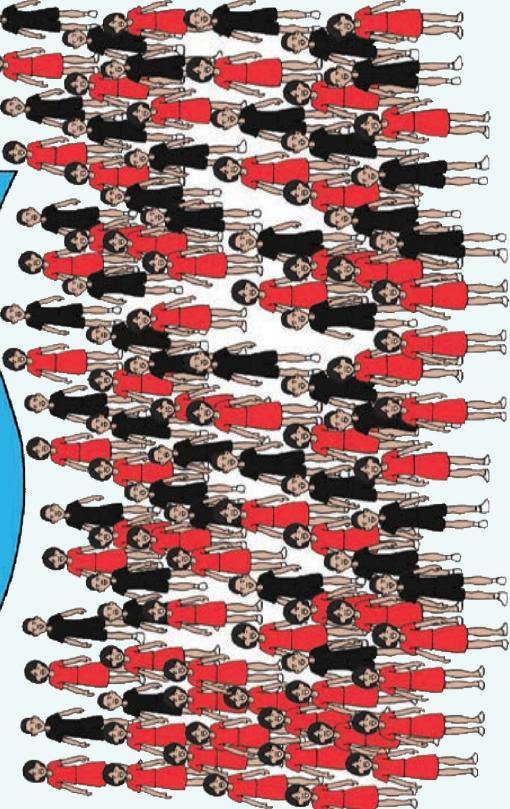
Bangaphi abantwana? Qikelela uze ubabale.



Ingubo Yethemba

Gcina abantwana bethu befudumele

NPO 123-098



Bahlawula malini?



Ucwazi Bahlawula malini?

Uhlawula



R



Unkosikazi Siko uthenga ezi-5

Uhlawula



R



Kwivenkile yakwa Thembu



Bahlawula



R

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

Bonke abantwana abosempakisisweni bafumana iingubo.
Bangaphi abantwana abokhoyo? _____

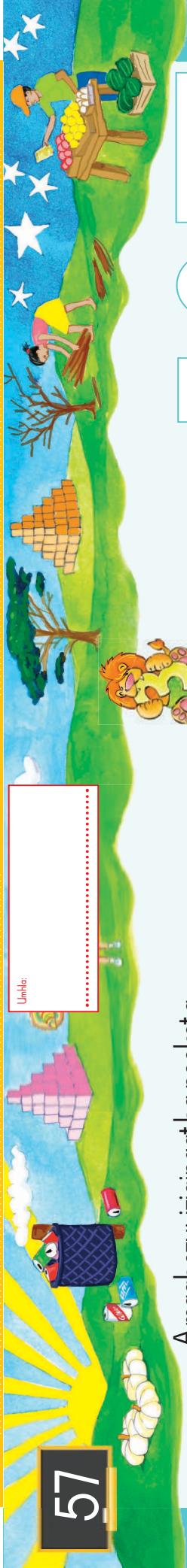
Qikelela	Bala	Theleksisa

Mangaphi ☺ amakhwenkwe? _____ Mangaphi ☺ amantombazana? _____



Iza kuthathha ixesa elingakanani? Sebenzisa ikhlandenda.
Ikla si yebanga lesi-3 iqokelela imali eza kutheng
ngayo iingubo ezi-4.
Baqokelela-R5 ngosoku kwintskuezi-5 zeveki.
Kufuneka iiveki ezingophi ukuze baqokelele imali yeengubo?

Teacher:
Sign:
Date:



57

Amaqhezu: iziqingatha neekota

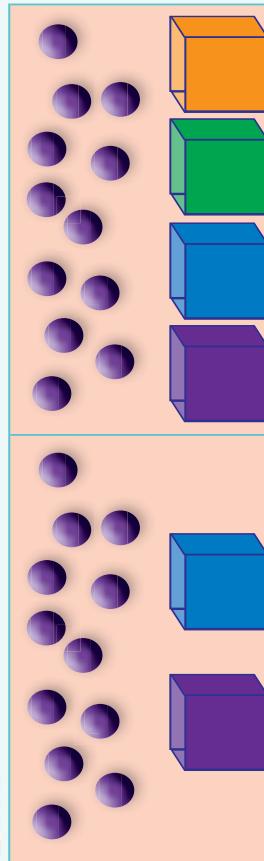
Yahulu libhola ngokullinganayo phakathi kweebhokisi.



Uma



Ikota yesi-2



• Zingaphi iibhola ezikwibhokisi nganye?

• Zingaphi iibhola ezikwibhokisi emsobo?

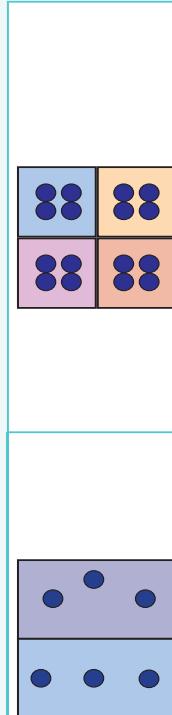
• Leliphi iqhezu elikwibhokisi emsobo?

• Zingaphi iibhola ezikwibhokisi nganye?

• Zingaphi iibhola ezikwibhokisi emsobo?

• Leliphi iqhezu elikwibhokisi emsobo?

Jonga umfanekiso uze uphendule imbuzo.



Zingaphi izangqa ozibaleyo?

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

Nika i - $\frac{1}{2}$ yezangqa?

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

Nika i - $\frac{3}{2}$ yezangqa?

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

Ubale izangqa ezingaphi?

Zingaphi iziqwengaq zamaqhezu?

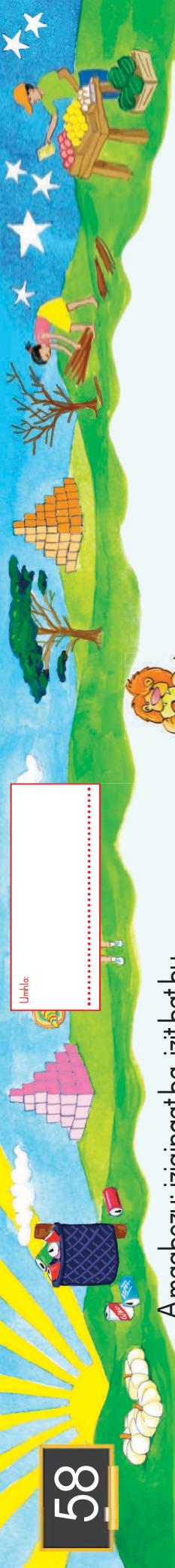
a. Zingaphi iziqwengaq zamaqhezu?

b. Zingaphi iilokota ($\frac{1}{4}$) ezija kwenza into enye epheloley?

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

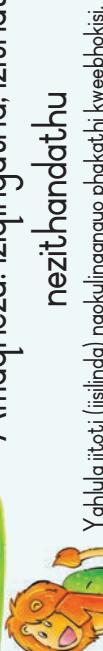


11 12 13 14 15 16 17 18 19 20

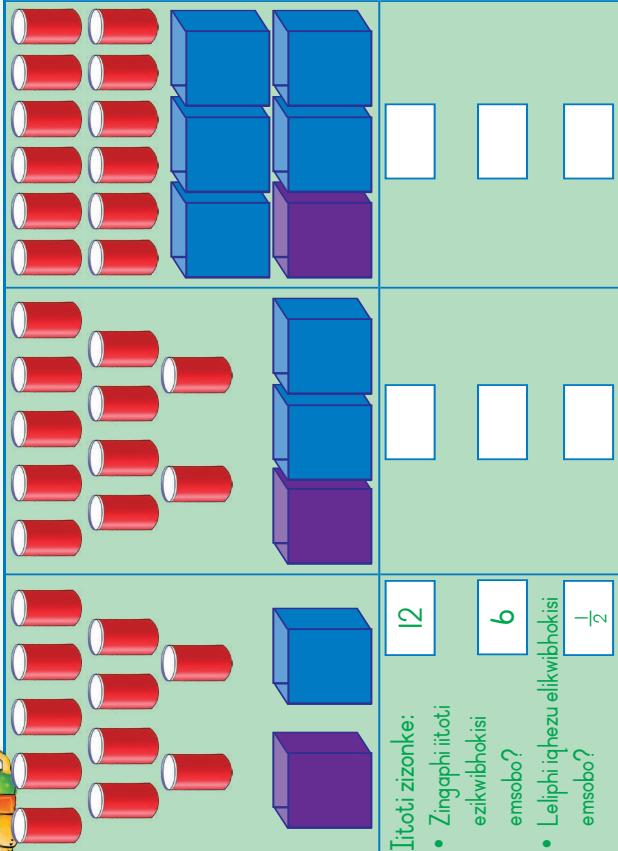


58

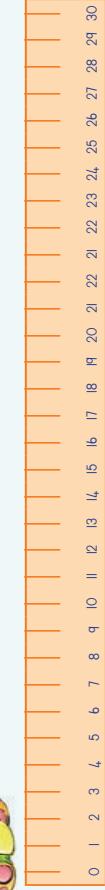
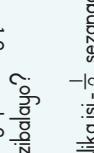
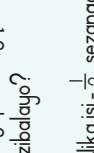
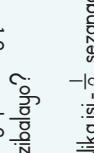
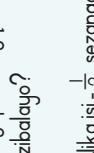
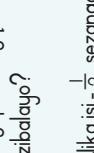
Amaqhezu: iziqingathā, izithathu nezithandathu



Yahhula iitoti (iisihind) ngokuliganayo phrakathi kweebhokisi.



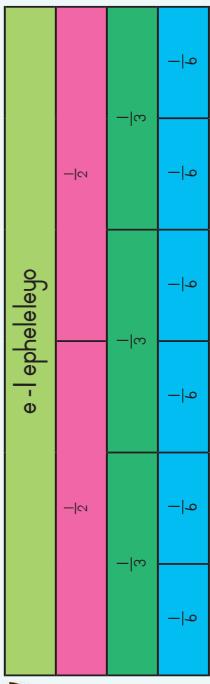
- Nika i - $\frac{1}{3}$ sezangqa?
- Nika i - $\frac{2}{3}$ sezangqa?
- Nika i - $\frac{3}{3}$ sezangqa?



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

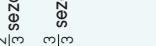
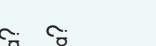
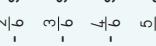
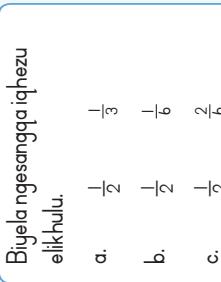
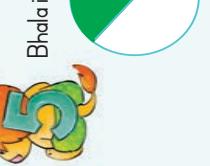
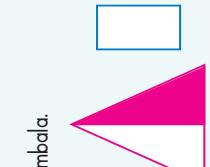
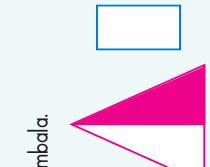


Jongai iziqwengā zamaqhezu. Cqibeza la izivakalisi.



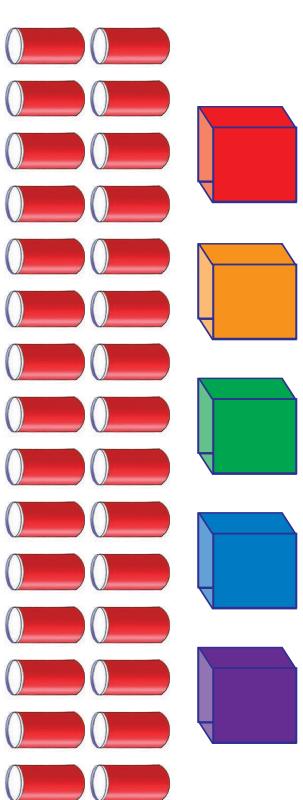
- Kukho iziqingathā ezi... kwinto enye ephelleyo.
- Kukho izithathu ezi... kwinto enye ephelleyo.
- Kukho izithandathu ezi... kwinto enye ephelleyo.
- Kukho izithandathu ezi... kwisinqaqha.
- Kukho izithandathu ezi... kwisithathu.

Bhalaiqhezu lendawo enombala.



Amaqhezu: izihlanu

Yahlula iitoti zingene kwibhokisi ezi-5.

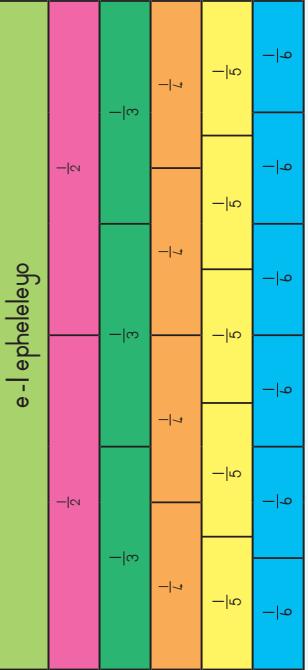


- Kwizihlanu esinye seebhokisi kukho iitoti ezi **6**
- Kwizihlanu ezibini zeebhokisi kukho iitoti ezi
- Kwizihlanu ezithathu zeebhokisi kukho iitoti ezi
- Kwizihlanu ezine zeebhokisi kukho iitoti ezi
- Kwizihlanu ezihlanu zeebhokisi kukho iitoti ezi

Zingophi iitshokolethi esibhokisi?



Jong umfanekiso uze uphendule imibuzo.



e - l e p h e l e y o

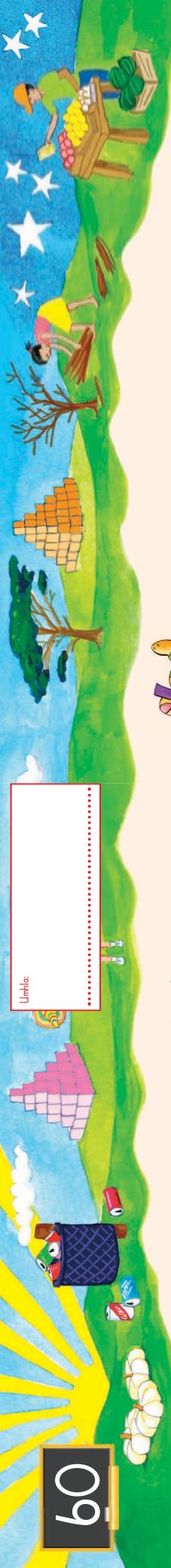
Bigela ngesangqqa sikhulu - okanye sincinci-

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



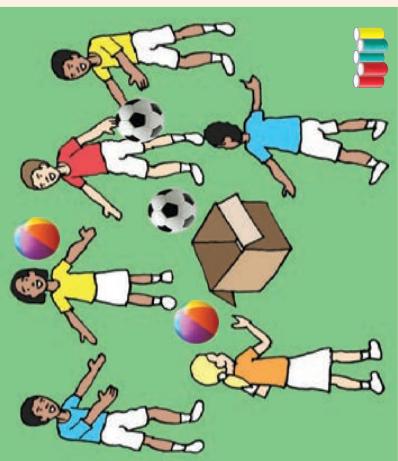
Ngsuku lokuqala ndatyo isi - $\frac{5}{5}$ seetshokolethi. Zingaphi iitshokolethi ezishiyekileyo?

- Ngsuku lokuqala ndatyo isi - $\frac{5}{5}$ seetshokolethi. Zingaphi iitshokolethi ezishiyekileyo?
- Ngsuku lwestibini ndatyo esinye isi - .Zingaphi iitshokolethi ezishiyekileyo?



60

Izinto ezinemilinganiselo emi-3 (3D)



Bala ibbhoksi (iprizmu).

Bala ibbhola (ingqakumba)

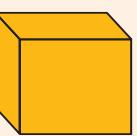
Bida iitslinda



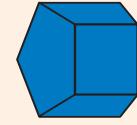
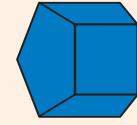
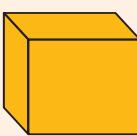
Ikota yesi-2

Zonke ezi zinto zilbhokisi

Zenze ngamaphephha qaphuma ku Msiko 3 no Msiko 4.



Umphezelu osicaba ubizwa ngokuba hubuso. Ncamathelisa okanye zoba ubuso obuncumileyo kubuso ngabunye bebkhokisi. Zingaphi iimbuso ozincamatihelisleyo:



itjubhu

iprizmu

iprizmu

Inqaba iimbuso zaprizmu zimcaba okanye zigobile?

Yenza ke ngoku islinda ngephepha lo Msiko 4.

Inqaba iimbuso zesilinda zimcaba okanye zigobile?

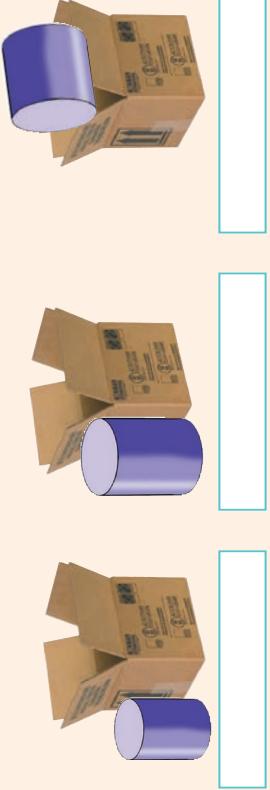


Sebenzisa izinto zakho wakhe oku kulandelayo.

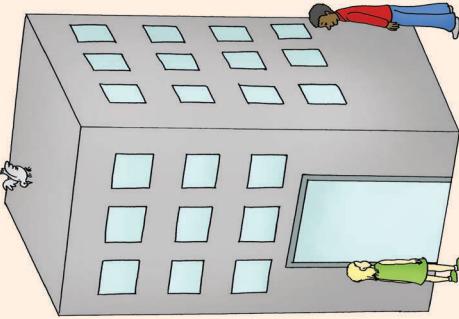
Chaza indawo yesilinda usebenzise la magama.

Ecaleni

Ngaphembili



Sebenzisa amagama angezantsi ugqibezele izivakalisi



Intombazana jonge ku _____ wesakhwo.

Indoda jonge kw _____ lesakhwo.

Intaka jonge ku _____ wesakhwo

calu
mphezu
mpambili



61

Ulkuphindaka bini nokwahulu kabini

Ikota yesi-2

Usakumbula? isi-2 sisiqingatha sesi-4

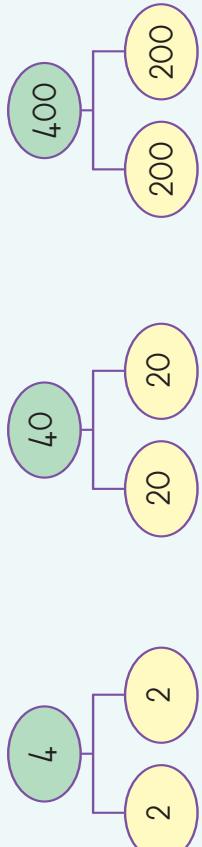
ama -20 sisiqingatha sama -40

ama -40 ngama -20 qphindwe kabini

ama -200 sisiqingatha sama -400

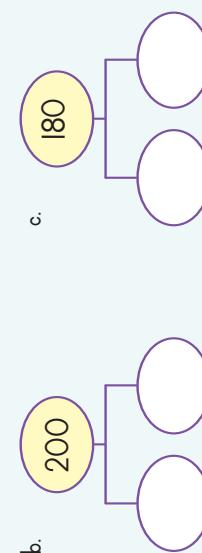
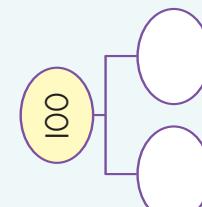
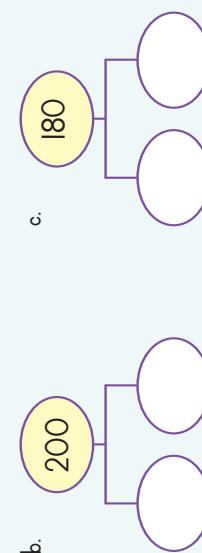
ama -400 ngama -200 qphindwe kabini

Khumbul! Oku singakubonisa ngomfanekiso...

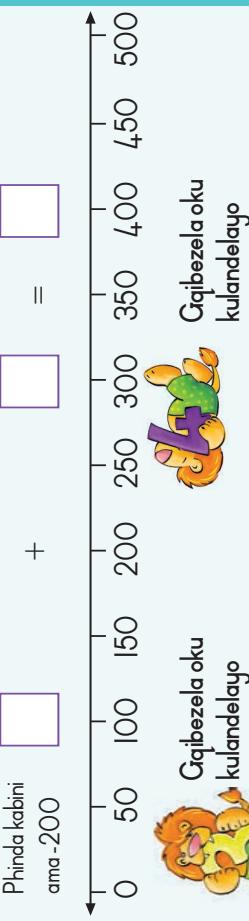
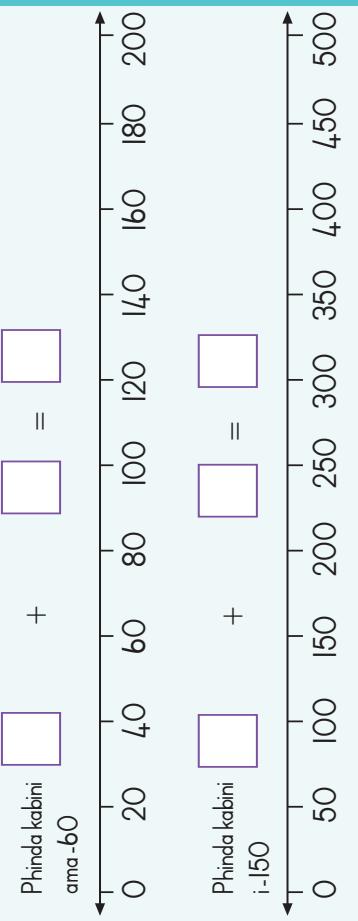
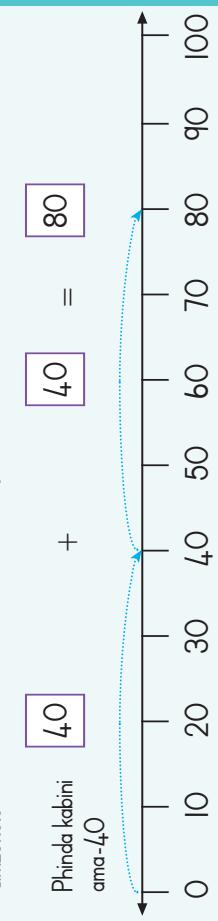


a. Ulufumana iziqingatha (iihafu)

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



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

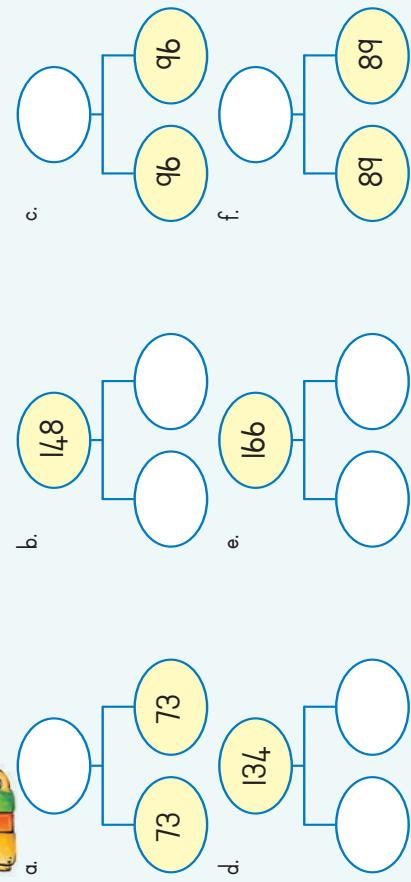


- | | |
|--------------------------|-----|
| a. Phinda kabini -100 | 200 |
| b. Phinda kabini -150 | |
| c. Phinda kabini -120 | |
| d. Phinda kabini -150 | |
| e. Phinda kabini -170 | |
| a. isiqingatha sama -220 | 110 |
| b. isiqingatha se -180 | |
| c. isiqingatha sama -260 | |
| d. isiqingatha sama -60 | |
| e. isiqingatha sama -320 | |

Teacher:
Sign: _____
Date: _____

Okunye ngokuphinda kabini nokwahlu kabini

Khangela uphindaphinda kabini okanye iziqingathha



Gcina imali yokuthenga
ibhayisekile

Untsasa ugcina amar-R25 ngevekuukuze at'heng
ibhayisekile. Kufuneka ogcine imali iiveki ezingaphi?
Ipendulo: iiveki

Intengiso

Zonke izinto ezithengiswayo zithengiswaya ngesiqingathha
sexbiso. Bhala ixabiso lantengiso kufutshane nento
ethengiswayo.

- a. Tingubo R190
Ixabiso lantengiso _____
- c. Imligamele R54
Ixabiso lantengiso _____

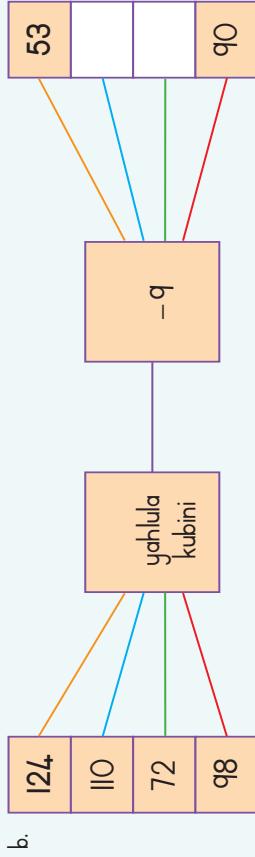
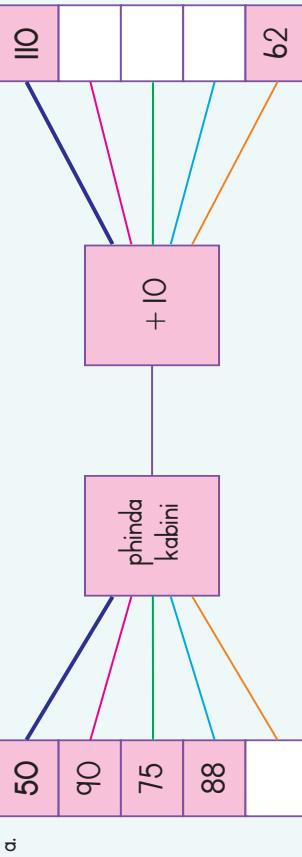
- b. Amashu R154
Ixabiso lantengiso _____
- d. Izitulu R220
Ixabiso lantengiso _____

Intengiso R450
Ixabiso elisisiqingathha:
ixabiso R900



Kungena nt'oni? Kuphuma nt'oni?

Landela umzekelo. Gcwalisra amanani ashijelwelweyo.



USenzo ufuna ihempe. Uhesiqingathha sesixa kuphela.

- | | | |
|--|--------|--|
| | R135 | Kufuneka abe namalini ngoku? R _____ |
| | R78,50 | Izihlangu zikaSiko zibiza kabini kunezi.
Zibiza malini izihlangu zikaSiko? R _____ |
| | R97 | Ilokhwé kaPhindi ixabisa kabini kuneli ixabiso.
Ingabo ilokhwe kaPhindi ixabisa malini? R _____ |

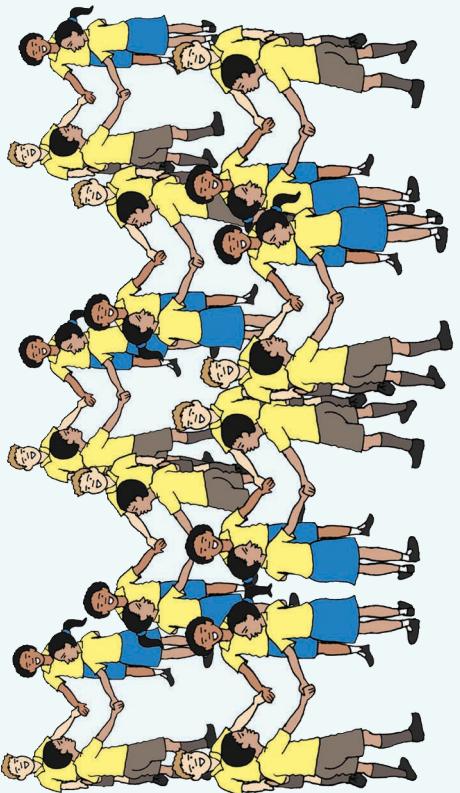
Zirandi ezingaphi?

63

Qukanisa uze udibaniṣe

Qukanisa abantwana

Unkosikazi Ndaba ufuna ukwahluu iklassi ibe ngamaqela alinganayo aza kuddla imiddu yaphandile. Okokujidu ubahkulut babe ngamaqela amma -4.

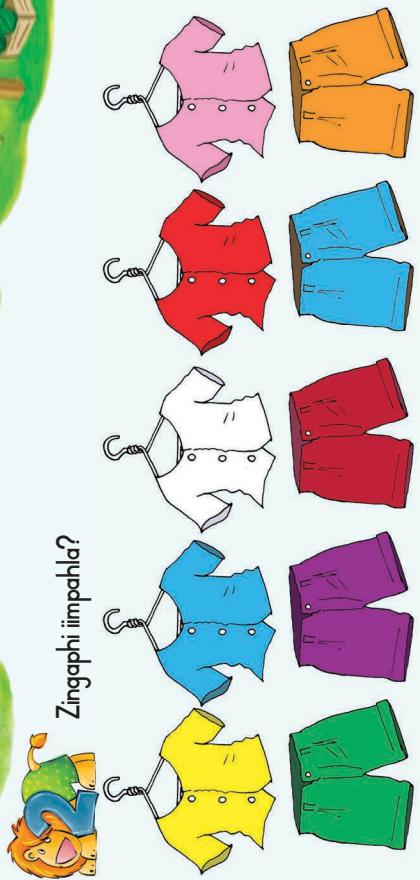


- Bala abantwana.
- Wenza amaqela amangaphi?
- Bonisa zonke ezinye iindlela uNkosikazi Ndaba anokuzisebenzisa ukwenza amaqela abantwana.

Qaphela. Thelekisa.

- Bala abantwana.
- Wenza amaqela amangaphi?
- Bonisa zonke ezinye iindlela uNkosikazi Ndaba anokuzisebenzisa ukwenza amaqela abantwana.

Zingaphi iimpahla?



Uphindu uneehempe ezi -5 ezimbabalabala neebhulukhwe ezimfutshane ezimbabalabala ezi -5. Zingaphi iimpahla ezahlukeneyo anokuzenza edlibanisa imbalu eyahlukeneyo?

Umzkelo: Thempe ezuba/ibhulukhwe emfutshane ezuba. Thempe ezuba/ibhulukhwe emfutshane eon enii.

Bhalauumbumba woluqala wombala ngamnye. Bonisa zonke ezinye iimpahla ezinokwenziva.

Thelekela: Bekunokwenzeka ntani xa Phindi ebenemibala emi -b eyahlukeneyo yeehempe neebhulukhwe ezimfutshane? Zingaphi iimpahla anokuzenza?

Qaphela. Thelekisa.

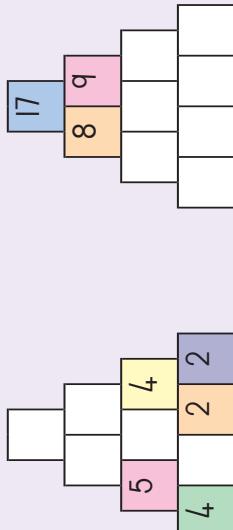
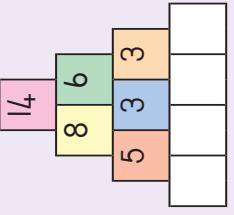
Lungisa.

Ulkonwaba ngezibalo

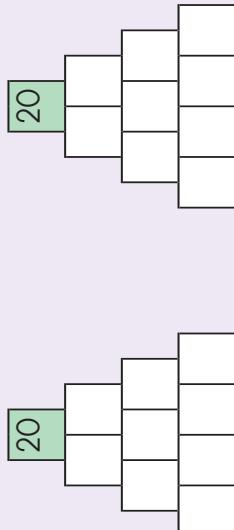
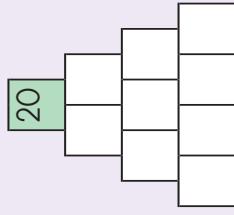
Khangela umthetho

Sebenzisa umthetho ukuze ufumane amanani angelkhoyo.

Umhlo:



Yakha ama -20 ngeendla ezi -3 ezahlukenejo



Umngeni

Sebenzisa amanani 1, 2, 3, 4, no -5.

Amanani amathathu kumqolo ngamnye kufuneka enze i -10 xa edibene.

Umthetho: Sebenzisa inani ngalinye kubekanye kuphela.

Khangela amanani

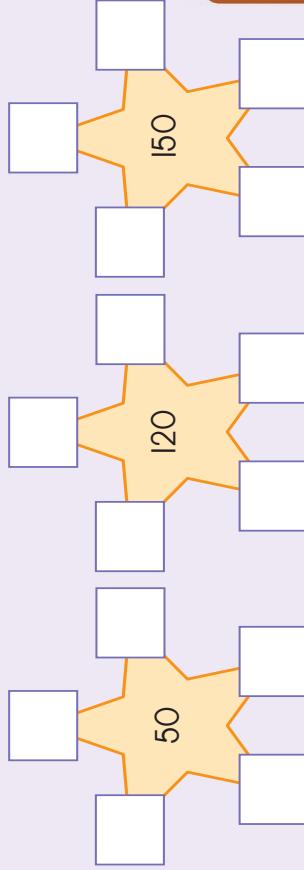
a. Umthetho: Amanani akumqolo ngamnye kufuneka anike isiphumo esii -16 edibene.

2	5	3	6
			2

b. Umthetho: Amanani ama -3 kwimiqolo exwesileyo nakwiikhola mu ezi hlayo mawanike isiphumo esifanayo xa edibene.

2	7	6	
q		1	
	3	8	
			10

c. Umthetho: Fakela nokuba ngawaphi amanani ama -5 dathi xa editjanisive anike inani elisembindini wemkwenkwezi.



b4

Ilokota yesi -2

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

I	I	O	I	O	O
2	2	O	2	O	O
3	3	O	3	O	O
4	4	O	4	O	O
5	5	O	5	O	O
6	6	O	6	O	O
7	7	O	7	O	O
8	8	O	8	O	O
q	q	O	q	O	O

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

