



UNkk Angie Motshekga,
uNgqongqoshe weMfundu
eyiSesekelo



UMnu Enver Surty, iSekela
loMnyango weMfundu
eyiSesekelo

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Rainbow
WORKBOOKS

MATHEMATICS IN ISIZULU

GRADE 3 – BOOK 1

TERMS 1 & 2

ISBN 978-1-431500-07-9

**THIS BOOK MAY
NOT BE SOLD.**

Lezi zincwadi zokusebenzela zenzelwe abantwana baseNingizimu Afrika ngaphansi kwesandla sikaNgqongqoshe weMfundu eyiSesekelo, uNkk Angie Motshekga, neSekela likaNgqongqoshe weMfundu eyiSesekelo, uMnu Enver Surty.

Lezi zincwadi ezibizwa ngeRainbow Workbooks ziyingxene yeMnyango weMfundu eyiSesekelo lapho uMnyango uzama khona ukungenelela ukuze kuthuthukiswe imfundu yabantwana bamabanga asuka kwelokugala kuya kwelesithupha eNingizimu Afrika. UMnyango weZimali uxhase lo mkhankaso kaHulumeni njengento yokuqala uHulumeni azibekelo yona ukuthi ayisukumele. Uxhaso loMnyango weZimali lusize uMnyango wezeMfundu ukuthi ukwazi ukukhiqiza uphinde usabalalise ngaphandle kwenkokhelo lezi zincwadi zokusebenzela ngazo zonke izilimi zaseNingizimu Afrika ezisemthethweni.

Sinethemba lokuthi othisha bazozithanda basebenze kangcono ngazo lezi zincwadi ekufundiseni kwabo kwansuku zonke, baphinde bathole futhi isiqiniseko sokuthi abafundi babo bafundiswa konke abamelwe ukufundiswa khona njengoba kuvela kusilabhasi yabo. Sizamile ukuqiniseka ukuthi sifaka izithonjana (ama-icon) emisebenzini yokwenziwa ukuze uthisha akuthole kulula ukuyilandela nokuqonda ukuthi umfundu yini alindeleke ukuyenza.

Sinethemba futhi lokuthi abantwana uqobo lwabo bazokujabulela ukusebeniza lezi zincwadi ekukhuleni kwabo bakhule nolwazi eziluqukethe, bese kuthi wena njengothisha wabo uthokoze kanye nabo ekugcineni.

Sifisela wena nomfundi omfundisayo impumelelo ngenkathi usebenzisa lezi zincwadi.

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IZIBALO NGESIZULU – IBanga lesi-3 Incwadi yoku-1

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Igama:	Iklesi:
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IZIBALO NGESIZULU

Incwadi
yoku-1
Ithemu 1 & 2

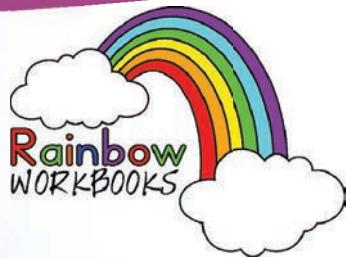
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1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10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

Ibanga lesi-3



i z i b a l o

NGESIZULU

Le ncwadi ngeka-:



ISIZULU
Incwadi
yoku-
I



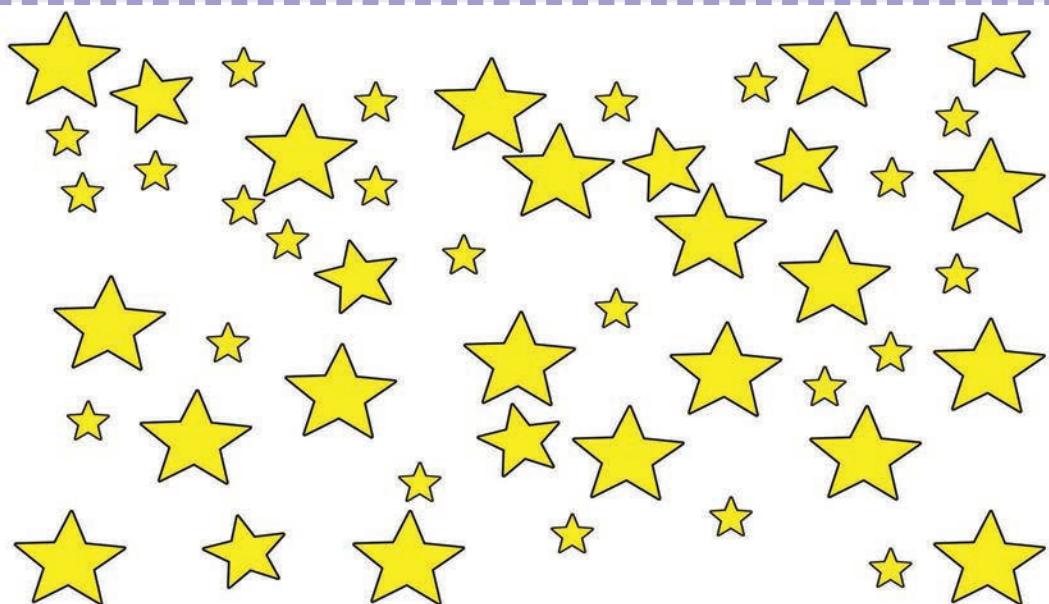
Usuku:

Ithemu |



Zingaki izinkanyezi?

Qhathanisani izimpendulo



Linganisela ukuthi zingaki izinkanyezi.

Manje zibale.



Thola ophumelele.

Ngubani olinganisele kangcono?

Gcwalisa amagama nezimpendulo zakho kuleli thebhula.

Igama lakho				
Linganisela				
Inani elitholakele kokubaliwe				
Umahluko phakathi kokulinganiselwe nokubalile				

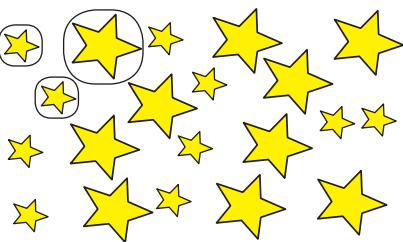


Izindlelala zokubala. Masisizane sizibhale phansi:



Ngibale
ngakunye.

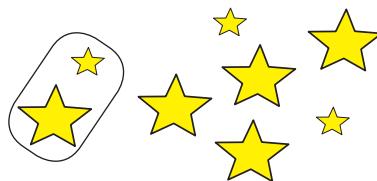
1, 2, 3, _____



Ngibale
ngakubili.



2, _____



Ngibale
ngakuhlanu.

5, _____



Ngibale
ngamashumi.



Bhala imisho yezinombolo

Bala inani lezinkanyezi ezinkulu nezincane esithombeni esisekhasini lesi -2. Zibhale ngezindlelala ezimbili.

Uma uhlanganisa izinombolo ezimbili akunandaba ukuthi zilandelana kanjani.

Ezinkulu Ezincane Kanje

noma

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

Kanye nangomusho wezinombolo.

kanje

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

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



Teacher:
Sign:
Date:

2

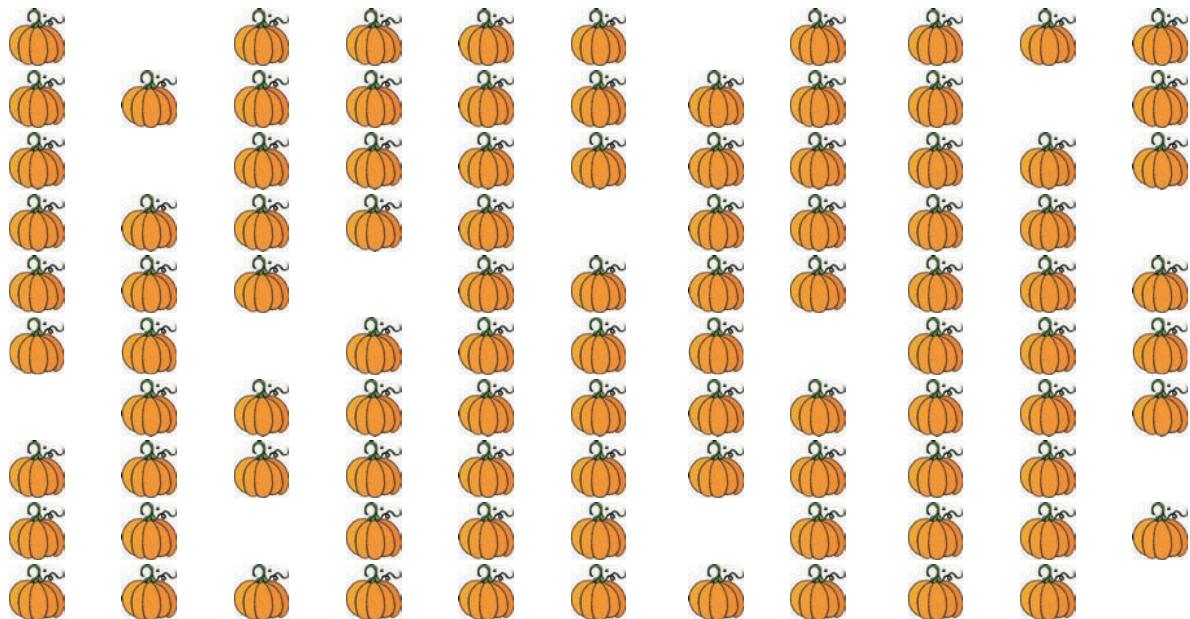
Usuku:

Ithemu |



Bala ngokuhlakanipha

Ukubala amathanga
Thola indlela elula yokuwabala.



Impendulo: _____



Ukfaka ndawonye amathanga

Ayishumi amathanga alingana esakeni elilodwa.



Zingaki izikhwama ozigcwaliise ngamathanga? _____

Mangaki amathanga asele? _____

Mangaki amathanga adingekayo ukuze kugcwale elinye isaka? _____



Kusukela koku- + kuya koku- × (Ukuhlanganisa okuholela ekuphindaphinden)
Qedela umusho wezinombolo

Isibonelo:

$$10 + 10 + 10 = 40 \rightarrow \text{amaqoqo ama-} 4 \text{ ezinto ezi-} 10 = 40 \rightarrow 4 \times 10 = 40$$



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

$$\underline{\hspace{2cm}} \text{ amaqoqo okuyi-} 10 = \underline{\hspace{2cm}} \rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

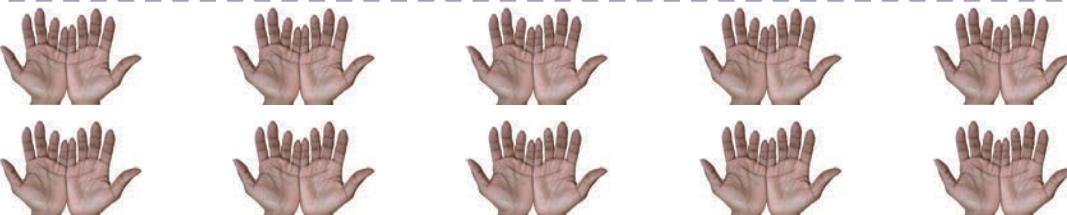


b. $10 + 10 + 10 + 10 + 10 + 10 + 10 = \underline{\hspace{2cm}}$

$$\underline{\hspace{2cm}} \text{ amaqoqo okuyi-} 10 = \underline{\hspace{2cm}} \rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



Izandla neminwe



Zingaki izandla?

Mingaki iminwe?

Bhala impendulo ngezindlela ezimbili.

$$\underline{\hspace{2cm}} \text{ amaqoqo okuyi-} 10 = \underline{\hspace{2cm}} \text{ kanye} \quad \underline{\hspace{2cm}} \times 10 = \underline{\hspace{2cm}}$$



Teacher: _____
Sign: _____
Date: _____

3a



Usuku:



Izinombolo kugridi

Ukukhuluma ngezinombolo

Bala usho zonke izinombolo kusukela kweyoku - I kuya kweye - 100.
Khomba ngesikhathi uqhubeka.

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



- Bhala inombolo engekho ebhokisini ngalinye eliluhlaza.
- Bhala ezinye izinombolo.
- Lezi eziphuzi ziluhlobo luni lwezinombolo?



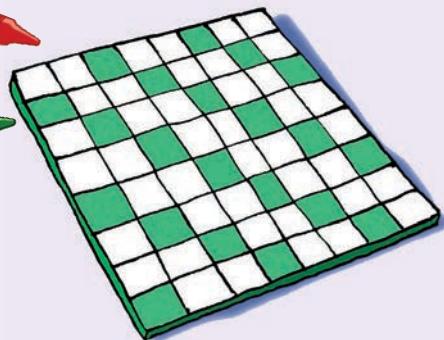
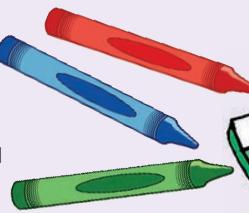
Bhala izinombolo ngamagama.

90	amashumi ayisishiyagalolunye	41	
77		56	
14		65	



Ukubala nokufaka umbala

Zilungiselele ukubala imibala!



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

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

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

Bala bese ufaka umbala
okungama -10.

Bala bese ufaka umbala
okungakuhlanu kusukele
e -0 uye e -100.

Bala bese ufaka umbala
o -2.

Bala ngamashumi usuke
e -10 uye e -100.

Bala ngakuhlanu usuka
koku -5 kuya e -100.

Bala ngakubili usuka
koku -2 kuya e -100.

Bhala ama -10 usuke e -10
uye e -100.

Bhala oku -5 usuke koku -
5 uye ema -80.

Bhala oku -2 usuke
koku -2 uye e -100.



Teacher:
Sign:

Date:

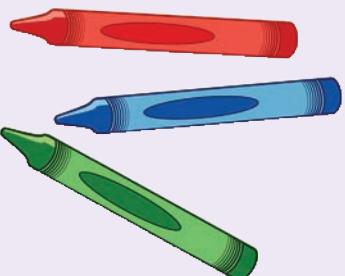


Izinombolo kugridi (kuyaqhutshwa)



Funa amaphethini. Sebenzisa imibala eyahlukene ukukhombisa amaphethini ehlukene.

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



Faka uphawu (✓)
ezinombolweni ezibala
nge-10.

Beka isiphambano (✗)
ezinombolweni ezibala
ngaku-5.

Kokelezela (O)
ezinombolweni ezibala
ngaku-2.

Bhala izinombolo ezibala ngaku-2 nangaku-5.



Ukubala ngamaphethini

Faka izinombolo ezingekho.

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



Teacher:

Sign:

Date:



Usuku:

Ubungako benombolo



Khombisa izinombolo

Sika amakhadi ezinombolo kokusikwayo koku-l.
Sebenzisa amakhadi owasikile ukwakha lezi zinombolo.

19

43

69

54

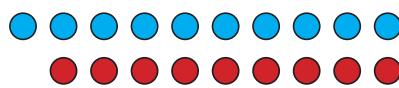
35

10

q



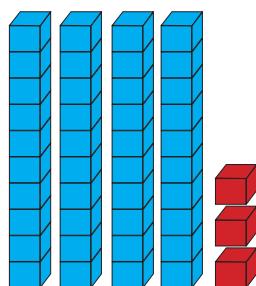
19



10
q

$$10 + q = 19$$

43



10
10
10
10
3

$$40 + 3 = 43$$

Zenzele wena lezi zinombolo usebenzise okusikwayo koku-l.

54

35

69



Bhala lezi zinombolo

Sikwenzele okokuqala.

Iq	IO + q	Ishumi eli-I + imivo eyi-q yishumi nesishiyagalolunye
43		
69		
54		
35		
21		
73		
44		
32		
89		
17		
95		
56		
68		
67		



Bhala izinombolo kwezisethebhuleni elingenhla zilandelane zisukele
kwencane kunazo zonke ziye kwenkulu kunazo zonke.

_____ ; _____ ; _____ ; _____ ; _____



5



Usuku:

Ukuhlanganisa nokususa



Isitodlwana sikaLinda

Ekuseni uLinda unamaphakethe ayi-19 ama-aphula.

Emini usele namaphakethe ayi-13.



a. uLinda ngabe uthengise amaphakethe amangaki? _____

b. Bhala impendulo ibe wumusho wezinombolo.
_____ - _____ = _____

Bhala eminye imisho yezinombolo emihlanu ukukhombisa impendulo efanayo.

$$15 - 9 = 6 \quad \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}}$$



Ukuzejwayeza izinombolo

Bhala izimpendulo.

$$1 + 2 = 3$$

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"/>



Imindeni yezinombolo

5 9 14

Nazi izibonelo (zemindeniyezinombolo).

$9 + 5 = 14$	$5 + 9 = 14$
$14 - 9 = 5$	$14 - 5 = 9$



Ungayithola yonke iminden'i enombolweni |4.

$ + 3 = 4$	$ 3 + = 4$	$ 4 - = 3$	$ 4 - 3 = $
$2 + 2 =$			
$3 + 1 =$			
$ 4 + 0 =$			
$5 + 9 =$			
$ 6 + 8 =$			
$ 7 + 7 =$			



Ngizokwenza
okufanayo nge-|2.

|2

$ + 1 = 2$			
$2 + 0 = 2$			
$ 3 + 9 = 2$			
$ 4 + 8 = 2$			
$5 + 7 = 2$			
$ 6 + 6 = 2$			



Teacher: _____
Sign: _____
Date: _____

6



Usuku:

Ithemu |

Okuphindwe kibili nawohhafu

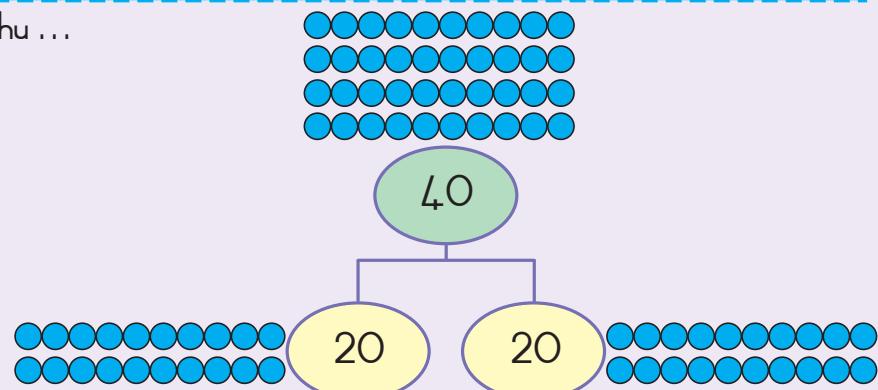
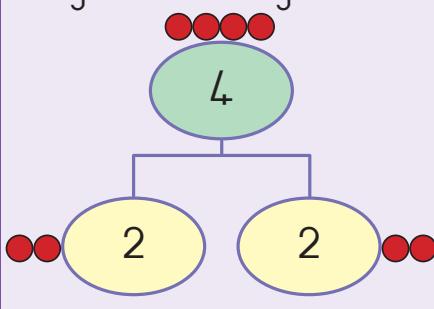
Usakhumbula?

oku-2 uhafu woku-4

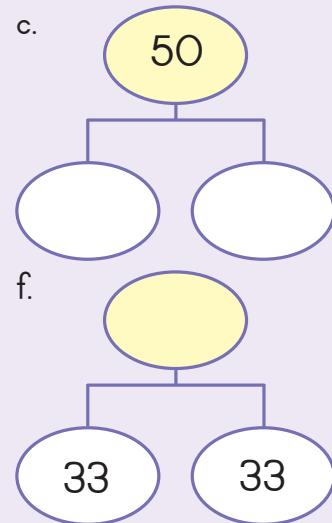
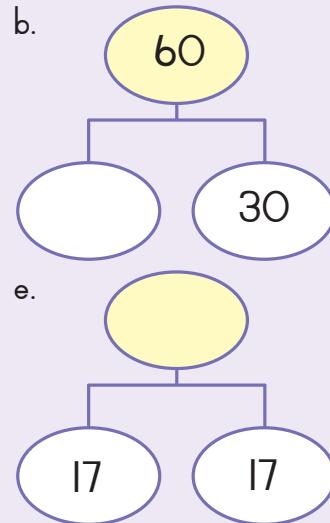
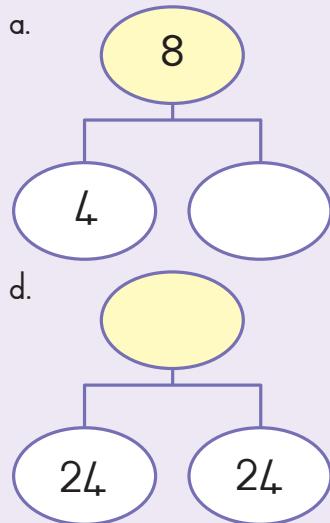
koku-4 uphinda kibili
oku-2

kokungama-40 uphinda
kibili okungama-20

Singakukhombisa ngomdwebo lokhu ...



Ukuthola okuphindwe kibili noma okungohhafu



Inselele

Thola uhafu woku-3.

Kukhombise lokhu ngenombolo noma ngegama lenombolo.
Ungakusiza umdwebo.



Phinda kibili inombolo usebenzise umugqa wezinombolo.
Eyokuqala wenzelwe yona njengesibonelo.

a. Phinda kibili
oku-4

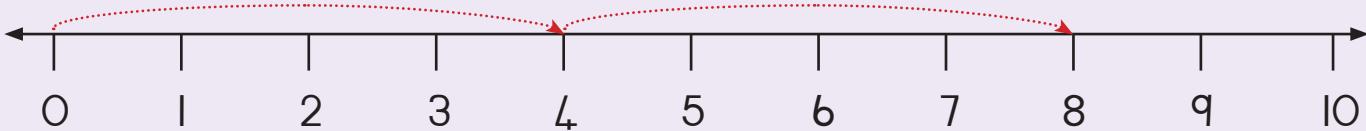
4

+

4

=

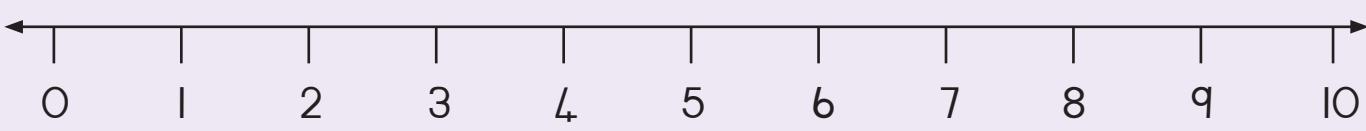
8



b. Phinda kibili
oku-5

+

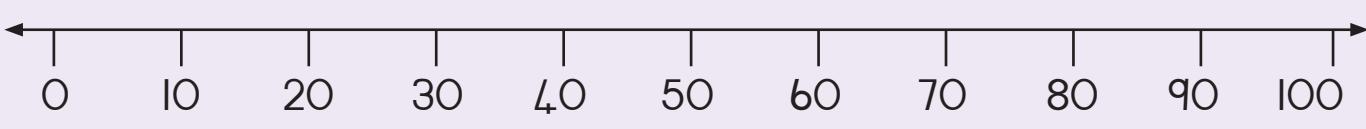
=



c. Phinda kibili
ama-20

+

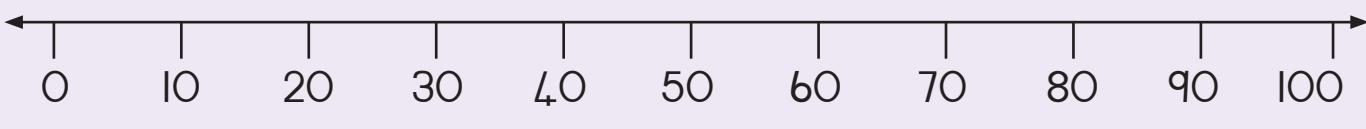
=



d. Phinda kibili
ama-40

+

=



Qedela lokhu okulandelayo:

- | | |
|--------------------------|------------------------|
| a. Phinda kibili oku-1 | <input type="text"/> 2 |
| b. Phinda kibili okuyi-6 | <input type="text"/> |
| c. Phinda kibili i-10 | <input type="text"/> |
| d. Phinda kibili ama-30 | <input type="text"/> |
| e. Phinda kibili ama-50 | <input type="text"/> |



Qedela lokhu okulandelayo:

- | | |
|------------------------------|------------------------|
| a. Phinda kibili okuyi-6 | <input type="text"/> 3 |
| b. Phinda kibili okuyi-8 | <input type="text"/> |
| c. Phinda kibili okuyi-14 | <input type="text"/> |
| d. Phinda kibili okungama-60 | <input type="text"/> |
| e. Phinda kibili okungama-70 | <input type="text"/> |



Teacher:
Sign:
Date:



Usuku:

Amaqhezu

Faka ikota elilodwa lebhaluni umbala obomvu, asele abe luhlaza sasibhakabhaka. Amanye uwafake umbala oluohlaza okotshani.

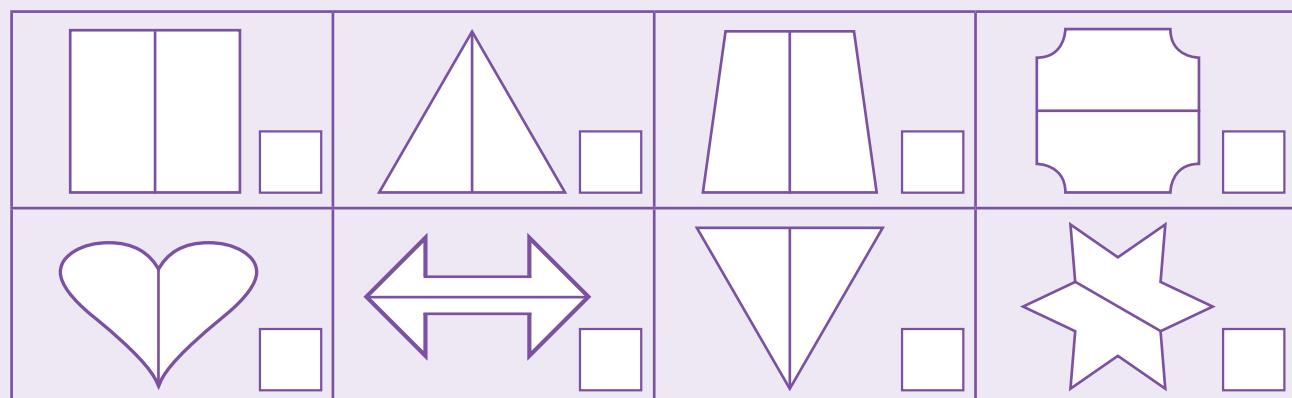
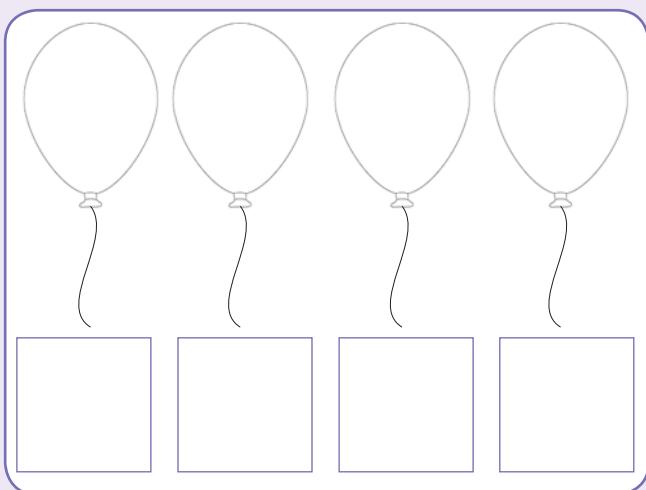
Faka umbala obomvu kuhhafu webhokisi ngalinye.

Buka izimo.

Buka izimo. Faka uphawu (✓) ezimweni ezikhombisa uhhafu.

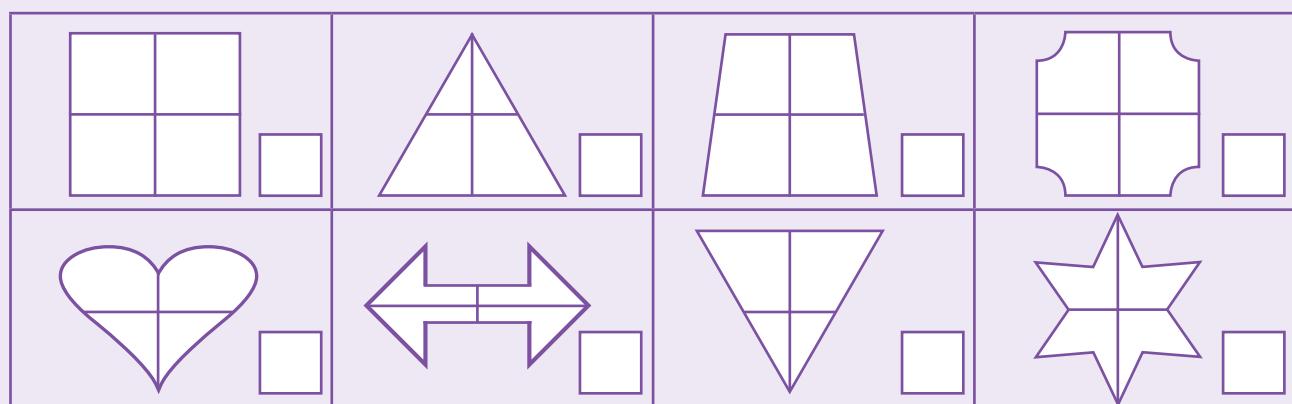


Faka umbala uhhafu ngamunye wesimo kulezo ezechlukaniswe zaba ngohhafu.



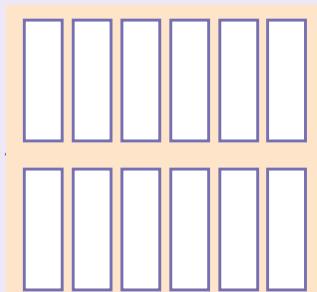
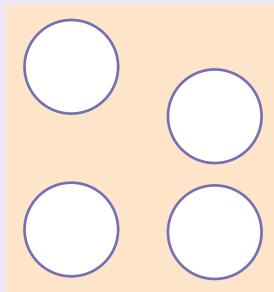
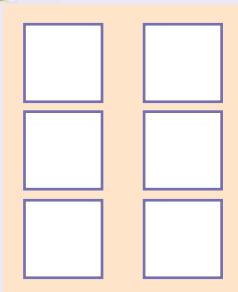
Buka izimo. Faka uphawu (✓) ezimweni ezikhombisa amakota.

Faka umbala ikota elilodwa lezimo ezechlukaniswe zaba ngamakota alinganayo.

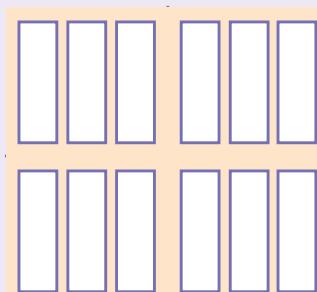
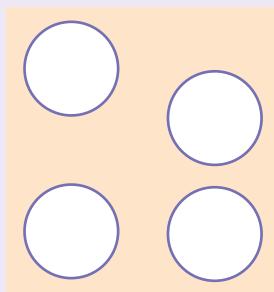
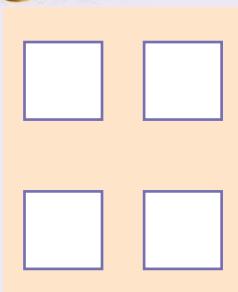




Faka umbala kuhhafu wezimo. Yini uhhafu wenani lezimo?



Faka umbala ikota lezimo. Yini ikota lenani lezimo?



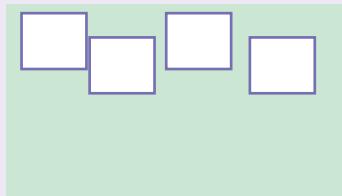
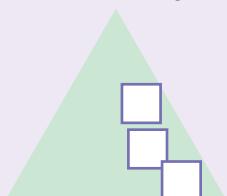
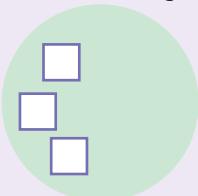
Bhala iqhezu lalokhu: uhhafu



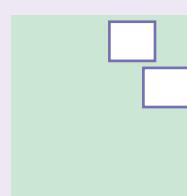
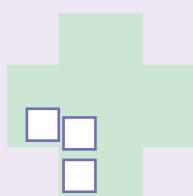
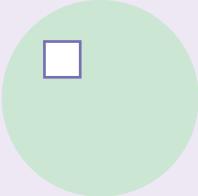
ikota



Dweba ezinye izimo ukwenza uhhafu ngamunye uphelele.



Dweba ezinye izimo ukwenza ikota ngalinye lilingane namanye.





Usuku:



Esitokofeleni

UMaLubisi ubala aphinde ahlele imali yeqembu.



Linganisela isamba.

R _____

Bala imali.

R _____

Qhathanisa
ukalinganisela kanye
nesamba.



Ukonga imali

UGugu wongela icathulo ezibiza ama-R89.

Kuze kube manje unohhafu wenani.

Udinga malini ngaphezulu?

Bhala umusho wezinombolo ukukhombisa impendulo.



_____ - _____ - _____



Ebhange

UMariya uhlala amaphepha emali abe
yizinqwaba zama -5.
Kukhona enye esele.
Bhala isamba semali esithombeni ngasinye.



Isamba

	R _____
	R _____
	R _____



Inselele

Uhambo Iwasezu

Abanye abantu abadala nezingane baya ezu.

Bathenga amathikithi ngama -R90.

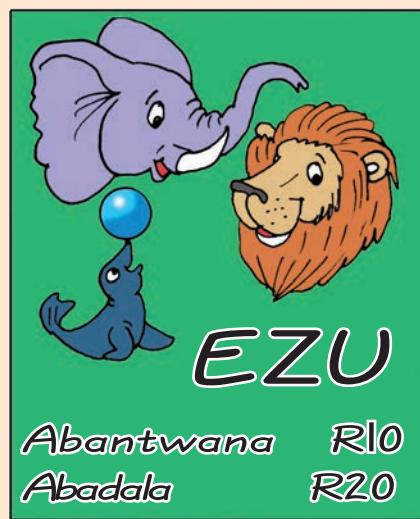
Zingaki izingane? _____

Bangaki abadala? _____

Ikhona enye impendulo? _____

Izingane _____

Abadala _____



Teacher:
Sign:
Date:



Usuku:



Amaphethini

Sebenzisa ibhodi lezinombolo ezingama - 200 ukuphendula 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 lezinombolo ezingama - 200 ukuqedela izinombolo ezine ezilandelayo kula maphethini ezinombolo, bese ufaka umbala iphethini elivelala ebhodini lezinombolo.

I05, I10, II5, _____	87, 90, 93, _____
36, 40, 44, _____	184, 186, 188, _____
70, 65, 60, _____	138, 135, 132, _____
I80, I76, I72, _____	I4, I2, I0, _____



Bhala izinombolo ezilandelayo ephethinini ngalinye. Faka umbala ephethinini.
Yini oyiphawulayo ngezinombolo ezinemibala efanayo?

Bala ngakuhlanu.

Bala ngakubili.

		5		10															

Bala ngakuthathu.

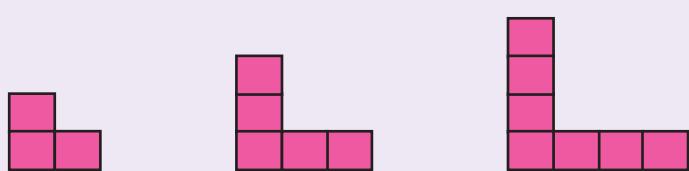
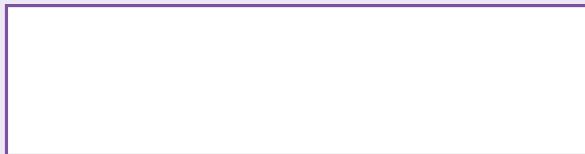
	3	6																	

Bala ngamashumi.

																		10	



Qhuba iphethini.



10



Usuku:

Ithemu |

Amabhola, amabhokisi namasilinda



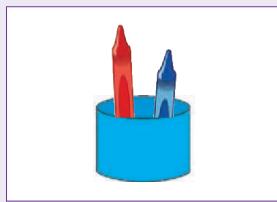
Kokelezela amabhokisi ngombala oluhlaza sasibhakabhaka, amabhola abe bomvu kuthi amasilinda abe luhlaza satshani.



Faka umbala empendulweni efanele.



Ibhokisi



Isilinda



Ibhola

liyashelela

liyagingqika

liyashelela

liyagingqika

liyashelela

liyagingqika



Faka umbala empendulweni efanele.

unqenqema olugobile
unqenqema oluqondile

unqenqema olugobile
unqenqema oluqondile

unqenqema olugobile
unqenqema oluqondile

unqenqema olugobile
unqenqema oluqondile

unqenqema olugobile
unqenqema oluqondile

unqenqema olugobile
unqenqema oluqondile

unqenqema olugobile
unqenqema oluqondile

unqenqema olugobile
unqenqema oluqondile



Yisho ukuthi ibhola lingemuva, lingaphambili, liseceleni noma lingaphezulu yini kwebhokisi.

lingemuva	lingaphambili
liseceleni	lingaphezulu

lingemuva	lingaphambili
liseceleni	lingaphezulu

lingemuva	lingaphambili
liseceleni	lingaphezulu

lingemuva	lingaphambili
liseceleni	lingaphezulu

Teacher:
Sign:
Date:



Usuku:



Dweba izinto ezinhlangothimbili uziqambe amagama, bese uyaziqhathanisa

Dweba izimo

Unxantathu

Indilinga

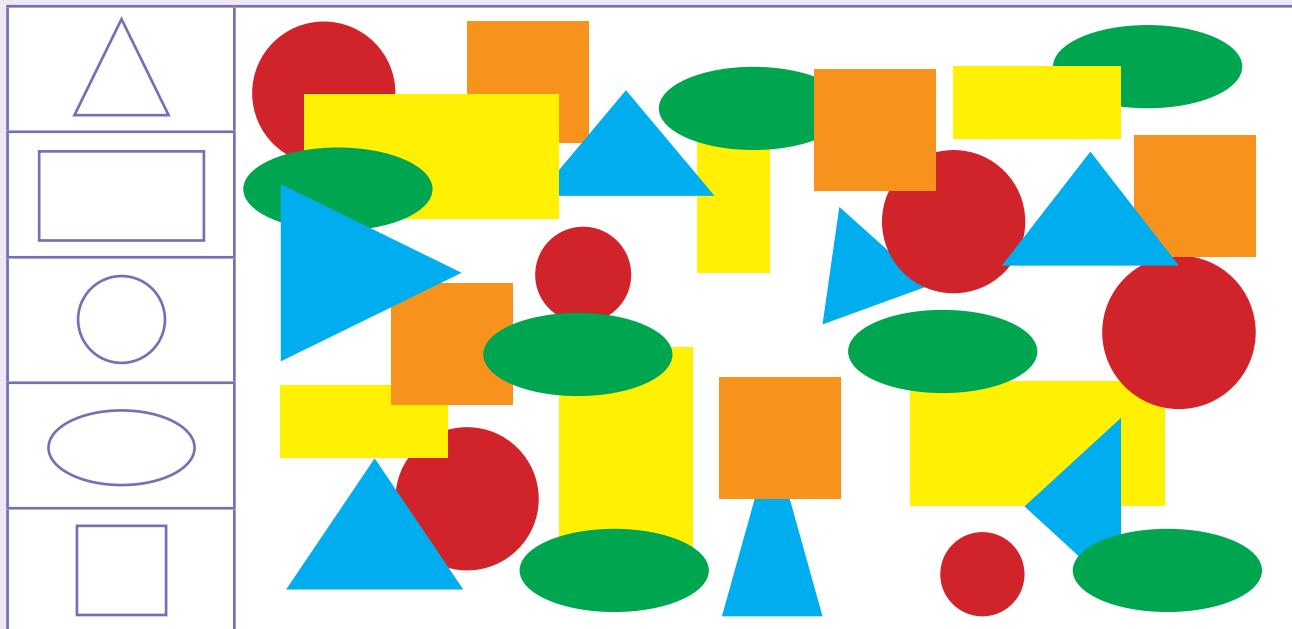
Isikwele

Unxande



Ukubala izimo

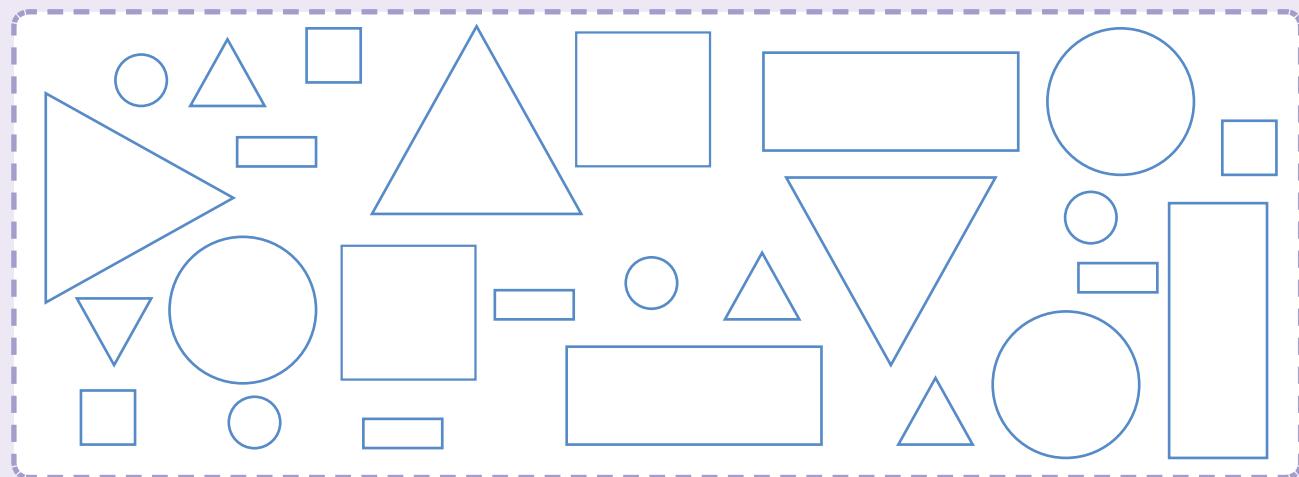
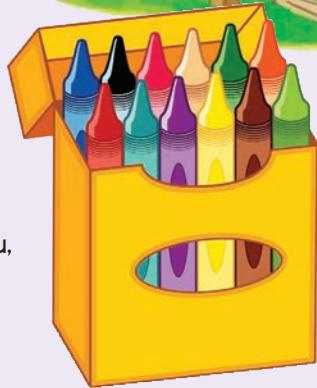
Bala ukuthi yiziphi izimo ongazithola ezifana nalezi ozinikeziwe.





Faka umbala

Obomvu ezindilingeni ezinkulu, oluhlaza satshani ezindilingeni ezincane, oluhlaza sasibhakabhaka konxantathu abakhulu, osawolintshi konxantathu abancane, ophuzi ezikweleni ezinkulu, obukhwebezane ezikweleni ezincane, onsundu konxande abakhulu, ophinki konxande abancane.



Mangaki amacala esimo ngasinye?

Mangaki amacala esimo ngasinye? Bhala impendulo ebbokisini. Sikwenzele isibonelo. Ingabe amacala aqondile noma agobile? Faka umbala empendumweni efanele.

 kuqondile	 kugobile



Teacher:
Sign:
Date:



Usuku:



Ukufunda isikhathi

Qedela umusho: Yiziphi izikhathi ezikhonjiswa yila mawashi?



Ihora le - _____
nqo ezimpondweni



Cixuma uzungeze iwashi

Siza igundane ukubala imizuzu ngaku - 5.

Qala enombolweni yeshumi nambili bese uyzungeza.



Mingaki imizuzu oyithole uma ubala? _____

Mingaki imizuzu ehoreni eli - I? _____



Ukubhala isikhathi

Dweba izinti ukukhombisa isikhathi.



Iyishumi nanhlanu
lishayile elesi - 6

Ingamashumi
amatathatu lishayile
elsi - 8

Iyishumi nanhlanu
ngaphambili kwele - II

Ligamenxe elesi - 5



uJabu uhamba ngezinyawo
uma eya esikoleni.



Uphuma ekhaya.



Ufika esikoleni.

Uthatha isikhathi esingakanani uJabu? _____



Usuku lokubhaka

Umama ubhaka isinkwa.



Usifaka kuhhavini.



Uyasikhapha.



Isinkwa sibhakwa imizuzu e - _____



Inselele

Esikhathini esiphindwe kibili.

- a. Guqula amahora abe yimizuzu.

Amahora	1	2	4	8
Imizuzu	60			

Ngiyalibona iphethini.



- b. UMandla uthatha imizuzu engama - 45 ukufika esikoleni. Esika Jabu side ngokuphindwe kibili. Uthatha amahora amangaki uJabu ukufika esikoleni? _____



Teacher:
Sign:
Date:

13

Ithemu |



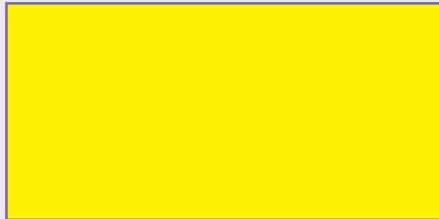
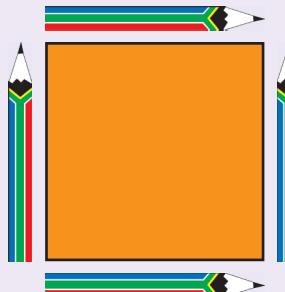
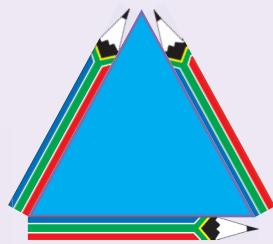
Usuku:



Ukukala ubude



Alingana namapensela
ama-3 amacala
kanxantathu
esewonke.



Alingana namapensela
ama-3 amacala
esikwele esewonke.



Ingabe
bungakanani
ubude nobubanzi
bukanxande?

Mangaki amapensela enela ubude bukanxande?



Mangaki amapensela enela ububanzi bukanxande?



ubude



ububanzi

Uwasebenzise kanjani amapensela ukubala?

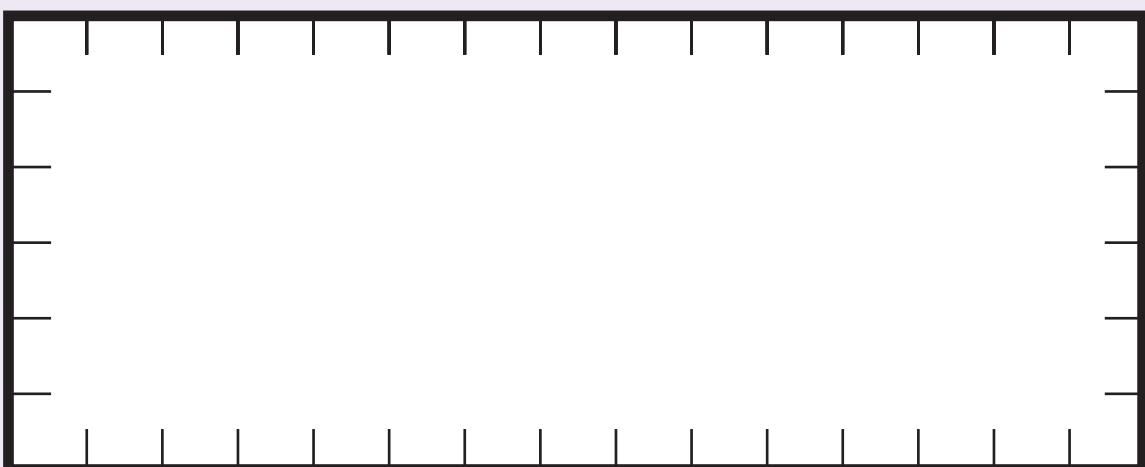


Ubude obuphicayo

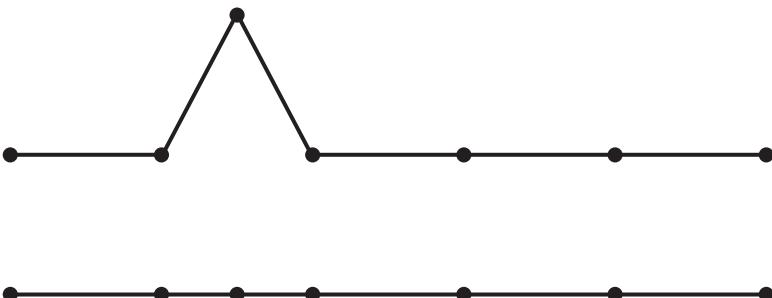
a. Udinga emingaki imigqa ebomvu ukuqedela umugqa omnyama?



b. Udinga emingaki imigqa ebomvu ukuhamba uzungeze unxande wonke?



c. Yikuphi okude, okungaphezulu noma okungaphansi, noma kuyafana?



Impendulo _____

Usho ngani? _____





Umthamo



Ujeke uthatha izinkomishi
ezi-10 zamanzi. Sengifake izinkomishi
ezimbili zamanzi ojekeni.

Ngidinga izinkomishi ezingaki ukuze
ngigcwalise ujeke?



Zingaki izinkomishi zamanzi ezisesiqukathini?
Zingaki esizingdingayo futhi ukugcwalisa isiqukathi?

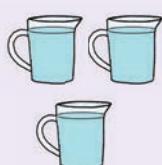
a.



Okusesiqukathini:

Esidinga ukwengeza
ngakho:

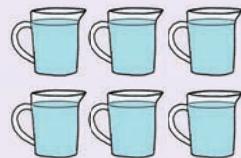
b.



Okusesiqukathini:

Esidinga ukwengeza
ngakho:

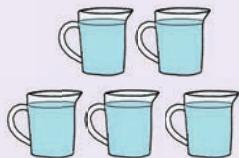
c.



Okusesiqukathini:

Esidinga ukwengeza
ngakho:

d.



Okusesiqukathini:

Esidinga ukwengeza
ngakho:

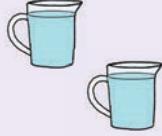
e.



Okusesiqukathini:

Esidinga ukwengeza
ngakho:

f.

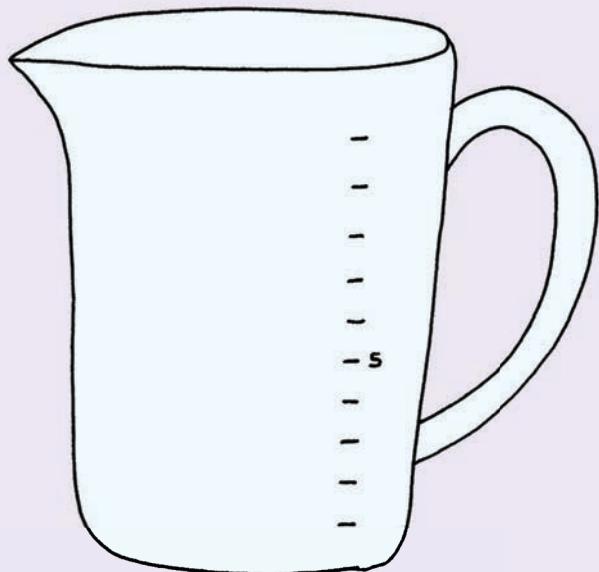


Okusesiqukathini:

Esidinga ukwengeza
ngakho:



Bhala amagabelo alo jeke wokukala. Sikukhombisile igabelo lesi -5.

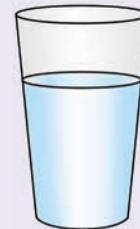
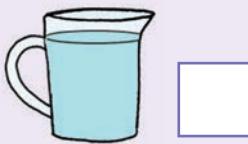


Uma inkomishi eyodwa igcwalisa kufike egabelweni, udinga izinkomishi ezingaki ukugcwalisa ujeke ngokulandelayo:

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



Faka uphawu (✓) eziqukathini ezinelitha elilodwa lokuwuketshezi, bese uzinamathisela zlandelane zisukele kwesincane kunazo zonke ziye kwesikhulu kunazo zonke.



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Usuku:

Ithemu |

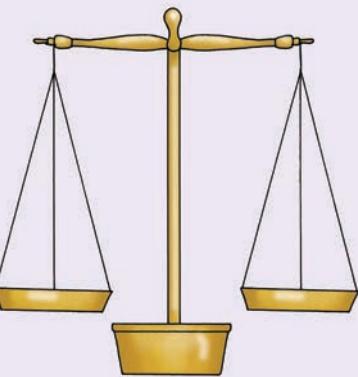


Ake sizikale ukuthi sisinda noma silula kangakanani.

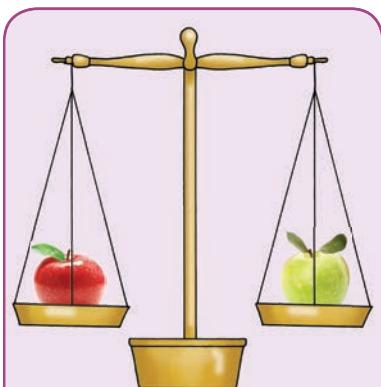
Sisebenzisa isikali ukuthola ukuthi **sisinda noma silula kangakanani**.

Sisebenzisa **amakhilogramu** ukuzikala isisindo.

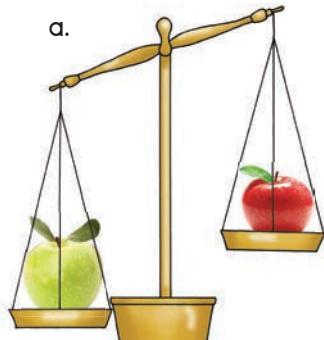
Sisebenzisa lesi sif'inyezo: kg. Ngubani osinda kunathi sonke?



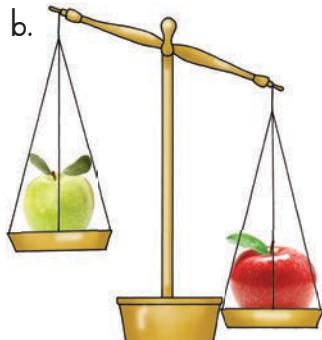
Sisebenzisa isikali sokuzimelela ukukala isisindo.



Kulesi sikali womabili ama-aphula asinda ngokulinganayo.



a. Phendula umbuzo. Bhala u-a noma u-b.



Yisiphi isikali esikhombisa ukuthi i-aphula eliluhlaza lisinda kakhulu kunelibomvu?

Yisiphi isikali esikhombisa ukuthi i-aphula eliluhlaza lilula kakhulu kunelibomvu?

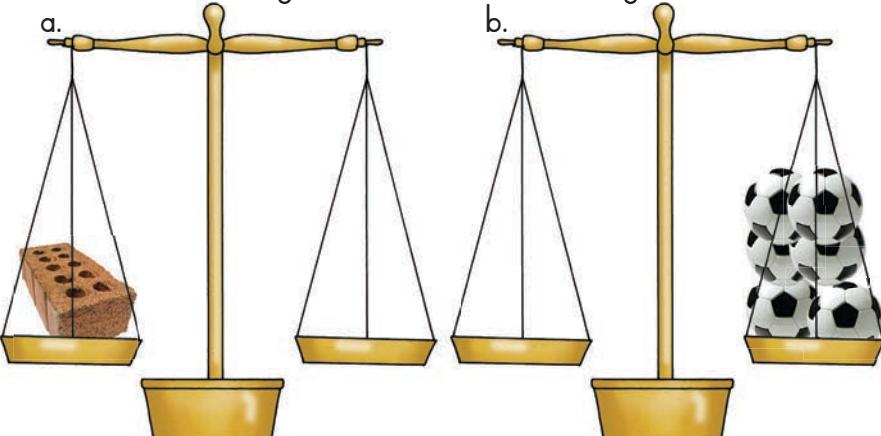


Linganisa izikali.

Sesikwenzele eyokuqala.



Khombisa ngokudweba ukuthi udinga izitini noma amabhola amangaki ukwenza lezi zikali zilingane.



Uma iphasela elilodwa linesisindo esiwu-3 kg, singakanani isisindo:

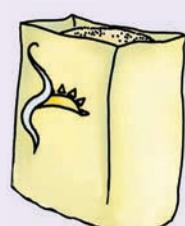
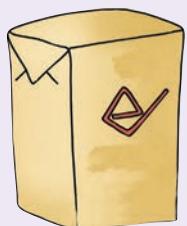
- samaphasela ama-2 _____ kg
- samaphasela ama-3 _____ kg
- Ningawakala amaphasela ama-4 kanyekanye kulesi sikali sasekhishini? _____



Usho ngani? _____



Faka uphawu (✓) eziqukathini ezinamaphakethe anesisindo se-1 kg.



Teacher:
Sign:
Date:

16



Usuku:

Ithemu |



Ukuqokelelwa kolwazi

Izicathulo eklasini



Funda le ndaba.

Thabo: Ihe! UThemba mude bo! Ugqoka usayizi 6 wezicathulo!

Nkz Khoza: Yebo, Thabo, zinkulu ngempela enganeni eneminyaka eyisi - 9 ubudala!
Ufaka usayizi bani ezicathulweni, Thabo? Yibaphi osayizi abagqokwa
ngabanye eklasini? Asenzeni ucwaningo.

Abafundi basho osayizi babo ngamunye ngamunye.

UNkz Khoza ubhala osayizi ebhodini.

Nkz Khoza: Bala, bese ubhala ukuthi bangaki osayizi ngamunye.

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 ithebhula elingezi:

Osayizi bezicathulo eklasini

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



Dweba igrafu yezithombe



= umfundi oyedwa

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



Phendula le mibuzo.

- Abafundi abaningi bagqoka usayizi _____ ezicathulweni..
- Zingama _____ izingane ezibambe iqhaza kulolu cwaningo.



Singathini ngawe?

Thola ukuthi wena nabangani bakho nifaka baphi osayizi bezicathulo!

- Sebenzani ngamaqembu anabantu abayi - 6 kuya kwabayi - 8.
- Qoqani imininingwane yenu.
- Bhala inani lawosayizi bezicathulo ethebhuleni.
- Qhathanisani izimpendulo zenu nezamaqembu amanye.

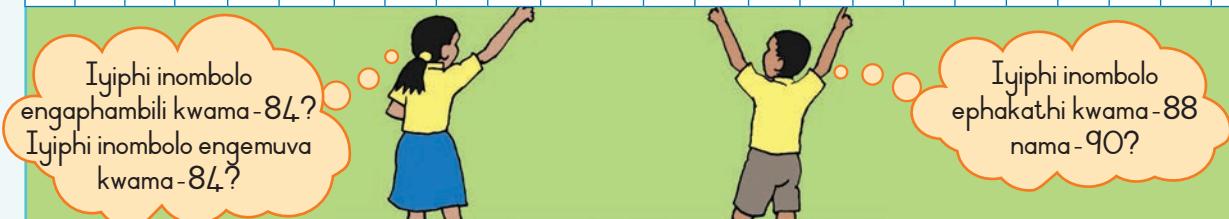


Teacher:
Sign:
Date:



Qhathanisa bese ulandelanisa izinombolo

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



Gcwalisa ngezinombolo ezingekho.

51									
									67
71									
									100

Sebenzisa ishadi lezinombolo ukuphendula le mibuzo.

- Iyiphi inombolo engaphambili kwama -68? _____
- Iyiphi inombolo engemuva kwama -68? _____
- Bhala izinombolo ezinhlanu ezingaphansi kwama -71. _____, _____, _____, _____, _____
- Bhala izinombolo ezinhlanu ezinkulu kunama -71. _____, _____, _____, _____, _____
- Yiziphi izinombolo eziphakathi kwama -79 nama -84? _____
- Bhala lezi zinombolo kusukela kwencane kuya kwenkulu.
73, 52, 50, 59, 61 _____
- Bhala lezi zinombolo kusukela kwenkulu kuya kwencane.
74, 96, 99, 91, 38 _____



Qedela ithebhula. Qala ngenombolo oyinikeziwe.

	Enkulu ngokukodwa	Encane ngokukodwa	Enkulu ngeshumi	Encane ngeshumi
25				
39				
74				
56				
40				



Kokelezela inombolo enkulu kunazo zonke.

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

Kokelezela inombolo encane kunazo zonke.

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



Uma uphawu < lusho ukuthi **kuncane kuna-**, nalolu > lusho ukuthi **kukhulu kuna-**, qedela:

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

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



Thola izinombolo ezi-5 ephephandabeni eziphakathi kwama-50 nama-qq uzinamathisele lapha.

--



Teacher: _____
Sign: _____
Date: _____



Ubungako benani lenombolo kufinyelela ema - qq



Ukukhombisa izinombolo ngezinto

Singazikhombisa izinombolo ngamabholokhi obungako benani lenombolo.

Ibhulokhi elincane limele umuvo o -l. Iyimivo.

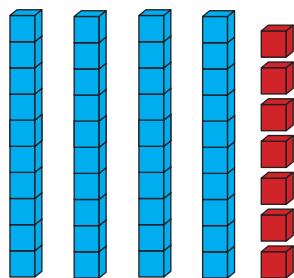
Amabholokhi ayi -IO amancane amele i -IO elilodwa. Yi -IO leli.

Yishumi.

Amashumi	Imivo
4	7

Ungayikhombisa inombolo usebenzisa amashumi nemivo.

Ama -47 siwakhombisa kanje.



Amashumi	Imivo
4	7

amashumi amane
nesikhombisa 47



Ukubhala izinombolo usebenzisa izimpawu kanye nangamagama

a. Ngaphansi kwesithombe, bhala usho ukuthi mangaki amashumi, mingaki imivo.

Emva kwalokho ubhale inombolo ngezinombolo kanye nangamagama.

Amashumi	Imivo	Amashumi	Imivo	Amashumi	Imivo
3	1				
31					
amashumi amathathu nanye					



20
6

2
6

- b. Singasebenzisa futhi amakhadi ezinombolo ukukhombisa lokhu.

Inombolo	Mangaki amashumi?	Mingaki imivo?	Bhala le nombolo ngamagama
26	2	6	amashumi amabili nesithupha
46			
qq			



Yisho ukuthi iyiphi le nombolo?

	<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 nanhlalu 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> <hr/> <hr/>	Amashumi	Imivo		
Amashumi	Imivo					
		<table border="1"> <tr> <td>Amashumi</td><td>Imivo</td></tr> <tr> <td></td><td></td></tr> </table> <hr/> <hr/>	Amashumi	Imivo		
Amashumi	Imivo					



Teacher:
Sign:
Date:

Iq

Usuku:

Ukubeka amashumi ndawonye uma sihlanganisa kufinyelele ema-99

Ithemu I



Funda



Nansi indlela enye yokukhombisa ama-22.		Sineshumi	Sesinenye futhi indlela yokukhombisa ama-22.	
Amashumi	Imivo	Amashumi	Amashumi	Imivo
ishumi	imivo eyi-12	Sinemivo eyishumi nambili.	amashumi	imivo emibili
1 0	1 0 2	Sizobeka iqoqo elinemivo eyi-10.	2	2

Masihlanganise ama-**27 + 4**. Siqala ngemivo engamabhulokhi aluhlaza bese sengeza ngemivo engamabhulokhi abomvu.

Ama-27: ngamashumi ama-2 nemivo eyi-7. Sesengeza imivo emi-4 ngaphezulu.	Sinamashumi ama-2 nemivo eyi-II.	Manje sinamashumi ama-3 + umuvo = 31	
Amashumi	Imivo	Amashumi	Imivo
amashumi ama-2	nemivo eyi-7	+	=
2 0	+ 7	3	1
2 0	4 imivo		
2 0	7 4		
2 0	1 0		



Buka isithombe bese ubhala umusho wezinombolo.

Amashumi	Imivo	
<input type="text"/>	<input type="text"/>	<input type="text"/>
10 + 5 + 6	 + + =	 + =

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

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

Qedela izithombe. Bhala imisho yezinombolo ekhonjiswe ezithombeni.

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

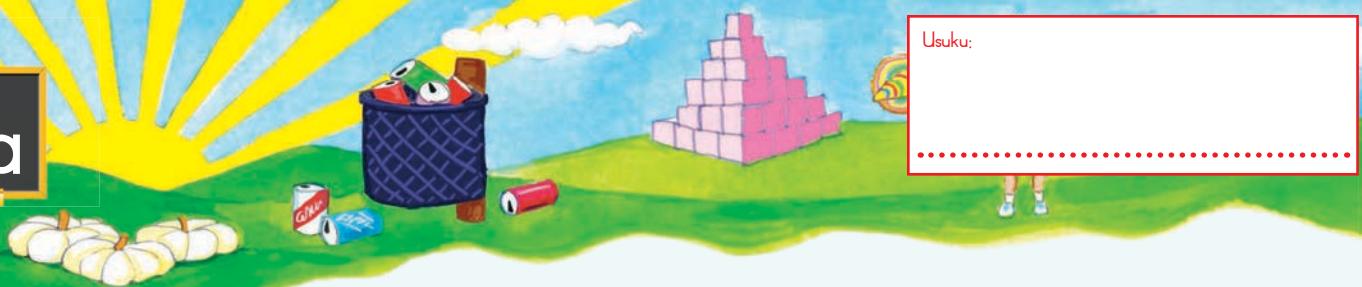
Amashumi	Imivo
<input type="text"/>	<input type="text"/>
 + =	 =

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



Teacher:
Sign:
Date:

20a



Usuku:

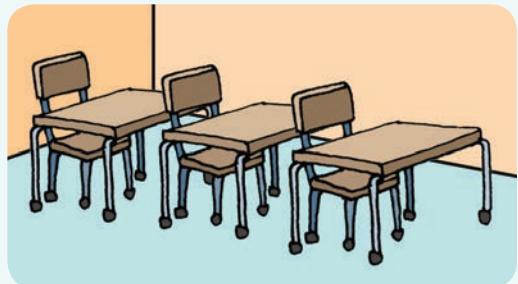
Ithemu |

Hlanganisa emqqeni wezinombolo

Hlala edeskini lakho!

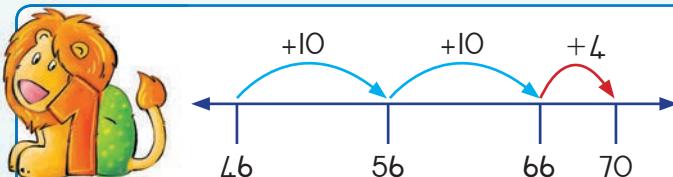
Esikoleni sethu umfundu ngamunye unedeski lakhe.

Ebangeni 3A kukhona abafundi abangama-46 bese kuthi ebangeni 3B kukhona abafundi abangama-24. Sidinga amadeski amangaki emaklasini amabili?



Sebenza nomngani wakho

Bheka ukuthi laba bafundi abathathu bawusebenzise kanjani umugqa wezinombolo ukuxazulula inkinga. Qedela izibalo usebenzisa isibonelo.



Nakhu engizokwenza: Okokuqala njihlanganisa i-10, bese ngithola ama-56.

Ngeqa elinye i-10 ngifinyelele ema-66.

Kuthi ekugcineni, ngeqe ka-4 ukuze ngifinyelele ema-70.

$$= 46 + 10 + 10 + 4$$

$$= 56 + 10 + 4$$

$$= 66 + 4$$

$$= 70$$

Kumele
njihlanganise ama-
24 nama-46.



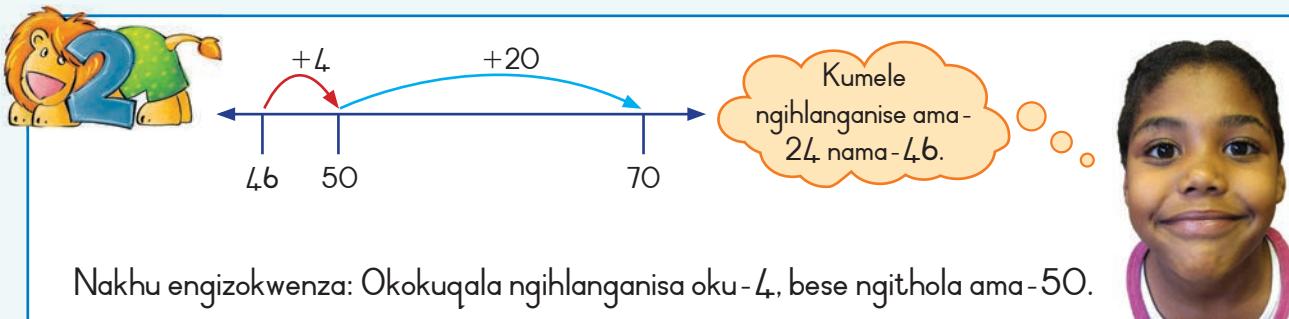
a. $32 + 25 =$

→



b. $52 + 26 =$

c. $46 + 25 =$



$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$

a. $36 + 41 =$



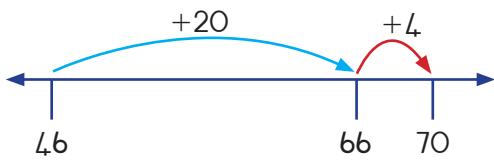
20b



Usuku:

Hlanganisa emqgeni wezinombolo (kuyaqhutshwa)

b. $57 + 19 =$



Kumele
njihlanganise ama-
24 nama-46.



Nakhu engizokwenza: Uma ngisuka ema-46, ngiyakwazi ukweqa ama-20, bese ngifinyelela ema-66.

Sengizokweqa oku-4 manje, bese ngithola ama-70.

$$= 46 + 20 + 4$$

$$= 66 + 4$$

$$= 70$$

a. $63 + 24 =$



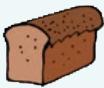
b. $65 + 29 =$





Zingaki izinkwa?

Imoto yezinkwa ilethe izinkwa ezinsundu ezi - 54



nezimhlophe ezi - 68.



- a. Zingaki izinkwa sezizonke?

- b. Thola isamba emqgeni wezinombolo. Khombisa izinombolo kanye nebanga lokugxumela phambili.



Hlanganisa lokhu okulandelayo ngaphandle kokusebenzisa umugqa
wezinombolo. Sebenzisa noma iyiphi indlela oyithandayo.

$38 + 24 =$

$58 + 17 =$

$75 + 16 =$

$83 + 29 =$



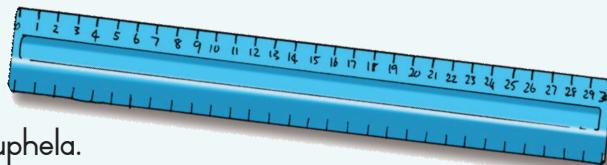


Ukususa emqqeni wezinombolo

Umfundi ngamunye uthola irula elilodwa!

Iklasi lidinga amarula angama-53. Sinamarula angama-35 kuphela.

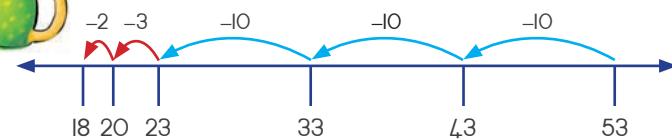
Sidinga amangaki futhi ngaphezulu? $53 - 35 =$



Sebenza nomngani wakho

Funda ukuthi abafundi abathathu bawusebenzise kanjani umugqa wezinombolo.

Qedela izibalo usebenzisa isibonelo.



Kumele ngisuse
ama-35 ema-53. UKUSUSA
kusho ukuthatha kokunye.



Ngizoqala ngisuse ema-53. Ngizosusa ngama-10, 10, 10 – lokho kungibeka ema-23. Manje ukuze ngisuse okuhlanu, ngiqala ngokususa oku-3 bese ngifinyelela ema-20. Ngibuye ngisuse oku-2 bese ngifinyelela e-18. Ngakho-ke sidinga amarula ayi-18.

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

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

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

$$= 23 - 3 - 2$$

$$= 20 - 2$$

$$= 18$$



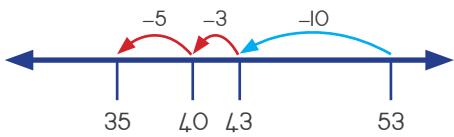
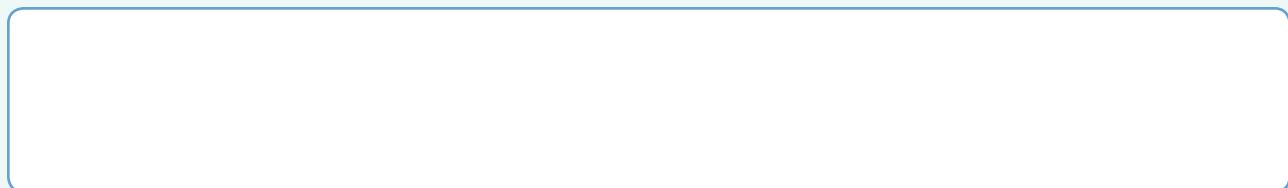
a. $68 - 24 =$

← →

b. $74 - 38 =$

← →

c. $92 - 87 =$



Ukususa kusho ukuthola
umahluko phakathi
kwama-53 nama-35.



Ngizoqala ema-53 **ngibale ngehle ngiye** ema-35 ngithole umahluko. Uma ngibala ngihlehla ngama-10, ngifinyelela ema-43. Ngibala ngaku-3 ngihlehle futhi ngifinyelele ema-40. Manje ngibala ngihlehle ngoku-5 ukufinyelela ema-35. Okuyi-10 ngikuhlanganisa noku-3 ngikuhlanganisa noku-5 kwenza i-**18**. Ngakho-ke ngidinda ukongeza ngamarula ayi-18.

a. $38 - 14 =$





Susa usebenzisa umugqa wezinombolo (kuyaqhutshwa)

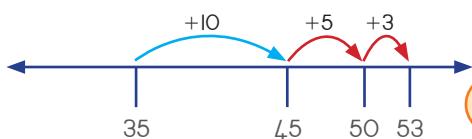
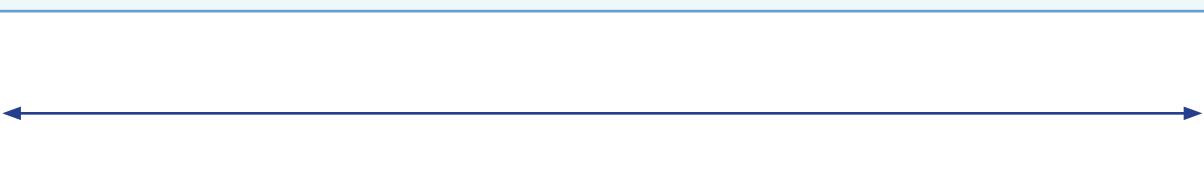
b. $65 - 43 =$



c. $72 - 39 =$



d. $85 - 48 =$



Ngizoqala ema-35 ngibheke ukuthi kudingeka ngeqe kangaki ukuze **ngifinyelele** ema-53.



Ngizoqala ema-35 ngibheke ukuthi kudingeka ngeqe kangaki ukuze **ngifinyelele** ema-53? Ishumi lihlanganiswa nokuhlanu kanye nokuthathu kwakha i-18. Sidinga amanye amarula ayi-18.

a. $84 - 32 =$





b. $96 - 53 =$

← →

c. $78 - 19 =$

← →

d. $63 - 47 =$



Ukuhamba ngetekisi

Uhambo oluya edolobheni ngetekisi lungama - 65 km.

Itekisi okwamanje lisahambe ibanga elingama - 38 km.

Kusele ibanga elingakanani elisazohanjwa?

Sebenzisa umugqa wezinombolo ukuxazulula le nkinga.



km





Qala ngokuhlela!

UBusi ubuza abangani ukuthi yikuphi ukudla abakuthandayo uma besedilini. Nakhu akuqoqile. Kuhlele kahle.



Bala bese uyabhala ukuthi bangaki abangani abakhethi inhlobo ngayinye yokudla.

Inombolo				

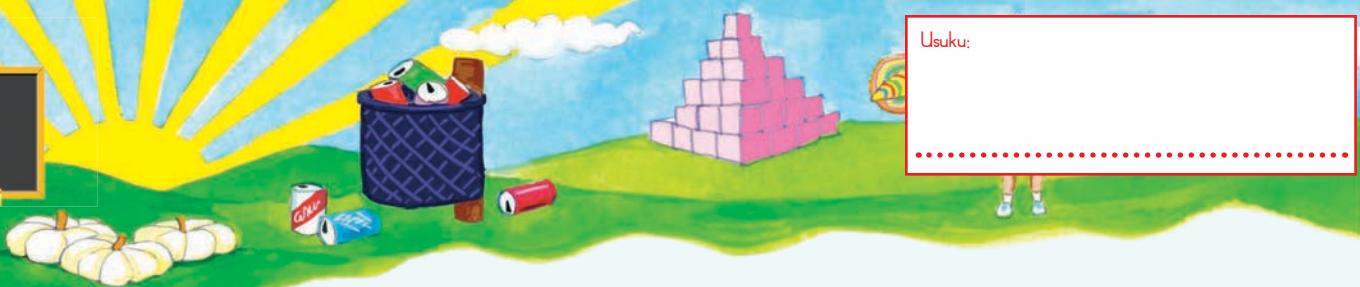


Qedela igrafu yezithombe. Sebenzisa ithebhula lakho. Dweba ubuso (😊) baleyo naleyo ngane ekhetha uhlobo oluthile lokudla noma Iwesiphuzo.

😊			
😊			
😊			
😊			
😊			
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😊			
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😊			
😊			
			



23



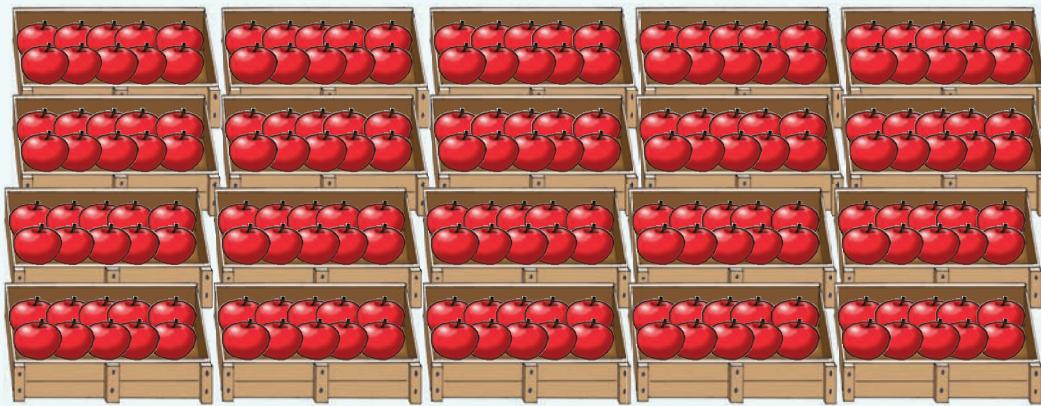
Usuku:

Ithemu |



Ukubala ufinyelele ema -200

Bala ama-aphula.



Gcwalisa izinombolo

Ibhokisi eli-linama-aphula a- Umugqa nga-lunamabhokisi ama-

Umugqa nga-lunama-aphula a- Imigqa emi-4 inama-aphula angama-

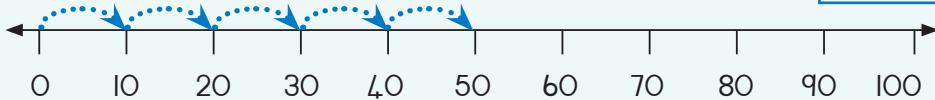


Mangaki ama-aphula esingawafaka kula mabhokisi?

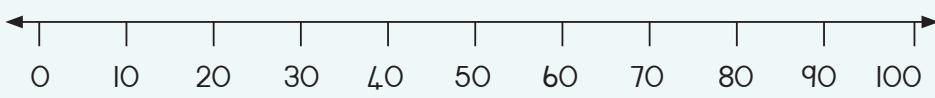


Bala usebenzise umugqa wezinombolo.

a. Mangaki ama-aphula angangena emabhokisini ayisikhombisa?



b. Mangaki ama-aphula angangena emabhokisini ayisikhombisa?





Amaqoqo ama-3
anezinto eziyi-10 enza

$$3 \text{ O} \quad 3 \times 10 = \boxed{3 \text{ O}} \quad \text{noma} \quad 10 \times 3 = \boxed{3 \text{ O}}$$

Amaqoqo ama-5
anezinto eziyi-10 enza _____ \times _____ = _____ noma _____ \times _____ = _____

Izinqwaba ezi-2
zama-10 zenza - _____ \times _____ = _____ noma _____ \times _____ = _____



Amapheya ama-5 ezinyawo.
Zingaki izinzwane sezizonke?



$$10 + 10 + 10 + 10 + 10 = \boxed{5 \text{ O}} \quad 5 \times 10 = \boxed{}$$

noma 10×5 = _____

Yenza okufanayo nakulezi.

Amapheya ama-4 ezinyawo. Zingaki izinzwane sezizonke?

$$\boxed{} = \boxed{} \quad \boxed{} \times \boxed{} = \boxed{} \quad \text{noma} \quad \boxed{} \times \boxed{} = \boxed{}$$

Amapheya ayi-9 ezinyawo anezinzwane ezingaki?

$$\boxed{} = \boxed{} \quad \boxed{} \times \boxed{} = \boxed{} \quad \text{noma} \quad \boxed{} \times \boxed{} = \boxed{}$$



Masibale ngama-10.

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

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



24



Zijwayeze okungaku - 5

Zingaki izinhlanzi? Linganisela.



Bala izinhlanzi. Thola isamba.



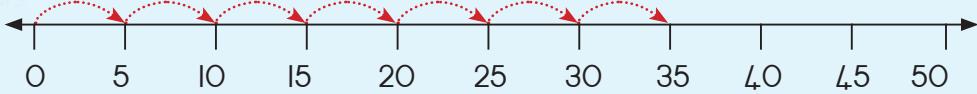
Ukubala ngaku - 5

Thola isamba samaqanda enhlanzi. Bhala imisho yezinombolo enezimpawu + kanye no-X. [Sikwenzele okokuqala](#).

Izinhlanzi namaqanda	Mangaki amaqanda esewonke?
Izinhlanzi ezi - 5 zizalela amaqanda a-2 iyinye	$2 + 2 + 2 + 2 + 2 = 10$
Izinhlanzi ezi - 5 zizalela amaqanda a-10 iyinye	
Izinhlanzi ezi - 5 zizalela amaqanda a-4 iyinye	
Izinhlanzi ezi - 5 zizalela amaqanda a-3 iyinye	
Izinhlanzi ezi - 5 zizalela amaqanda a-6 iyinye	
Izinhlanzi ezi - 5 zizalela amaqanda a-8 iyinye	
Izinhlanzi ezi - 5 zizalela amaqanda a-5 iyinye	



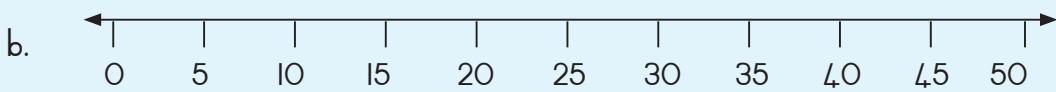
Qedela imigqa yezinombolo kanye nemisho yezinombolo.



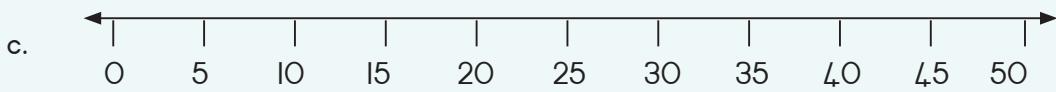
$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35} \quad \text{noma} \quad \boxed{7} \times \boxed{5} = \boxed{35}$$



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



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



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



Ukudoba izinhlanzi

uSipho udobe wabamba izinhlanzi eziphakathi kwama -40 nama -50. Uyazibala manje nga -2, sekusala e -1.

Ubuya uzibala nga -5, kusale ezi -2. Udobbe izinhlanzi ezingaki sezizonke uSipho?



25a



Ithemu |



Ukubala amasokisi

Bala ngaku-2



a. Mangaki amapheya amasokisi? _____

b. Mangaki amasokisi ? _____

c. Akhona amasokisi asele? _____



Ukubala amapheya amasokisi

Bala usho ukuthi mangaki amapheya amasokisi akhona bese usho ukuthi akhona yini asele.

Amasokisi	Inani lamapheya	Inani lamasokisi	Amasokisi asele ahamba ngalinye



Teacher:
Sign:
Date:

25b



Usuku:



Bala ngaku-2 (kuyaqhutshwa)

Ukwakha amapheya.

Bhala phansi izinombolo eziwugweje nezingelona usukele koku-1-60.

- a. Bhala phansi izinombolo ezingelona ugweje usukele koku- 1 – 60.

2, 4, 6,

- b. Bhala phansi izinombolo eziwugweje usukele koku-1 – 60.

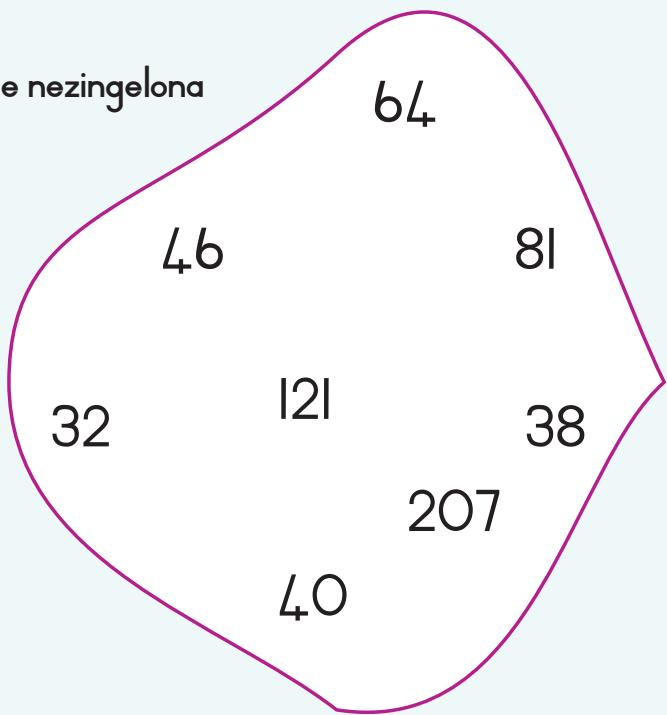
3, 5, 7,



Izinombolo eziwugweje nezingelona

Kokelezela ngesijingi
izinombolo ezingelona ugweje.

Kokelezela ngesikwele
izinombolo eziwugweje.





Qhubeka ubale ngaku -2

Isibonelo:

amasokisi ama-2 = ipheya eli-1 

$$2 \times 1 = 2$$

amasokisi angama-20 = amapheya ayi-10

$$2 \times 10 = 20$$

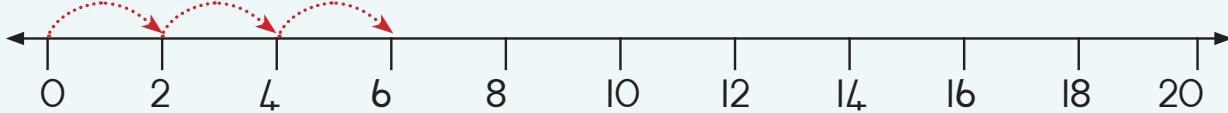
a. Bhala usho ukuthi mangaki amasokisi.

Zikhumbuze izinto ezihamba nga-2	Imisho yezinombolo
ipheya eli-1 = amasokisi ayi-2	$2 \times 1 = 2$
amapheya ama-2 = amasokisi ayi-_____	$2 \times 2 = \square$
amapheya ama-4 = amasokisi ayi-_____	
amapheya ayi-8 = amasokisi ayi-_____	
amapheya ayi-9 = amasokisi ayi-_____	

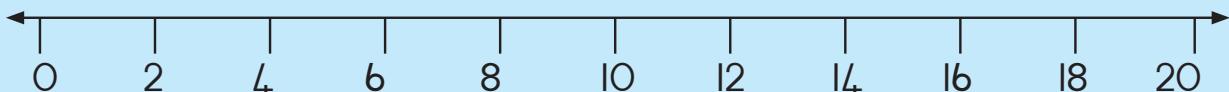
b. Khombisa isibalo emqqeni wezinombolo bese uqedela.

Isibonelo:

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



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

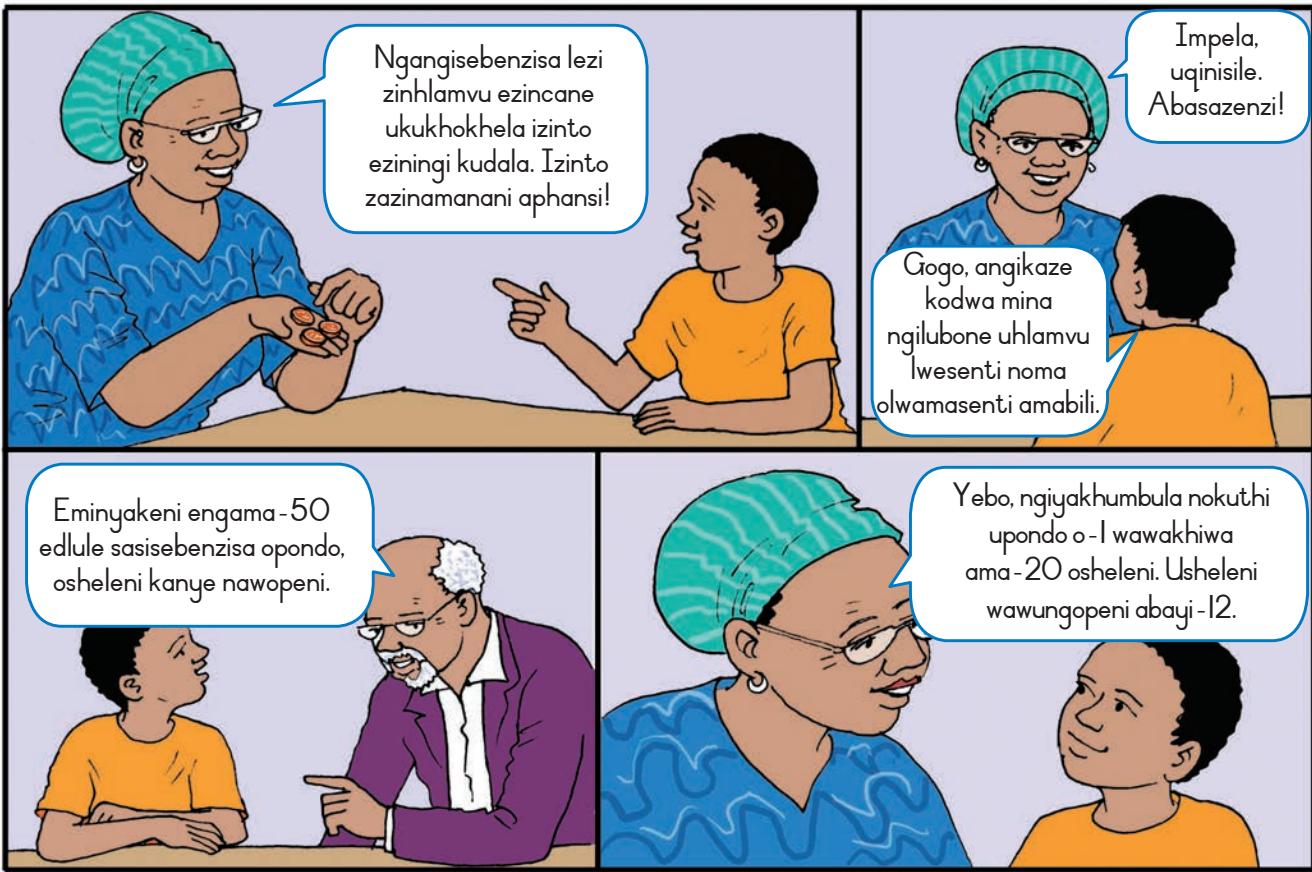




Indaba ngemali yethu

ENingizimu Afrika sisebenzisa amarandi namasenti. Saqlala ukusebenzisa amarandi namasenti ngowe -1961.

Ngalezo zinsuku isenti eli -1 kwakuyilona luhlamvu lwemali olunenani elincane kunazo zonke, bese kulandela uhlamvu lwamasenti ama -2, nolwamasenti ama -5.





Ukubala amasenti

Bala amasenti.

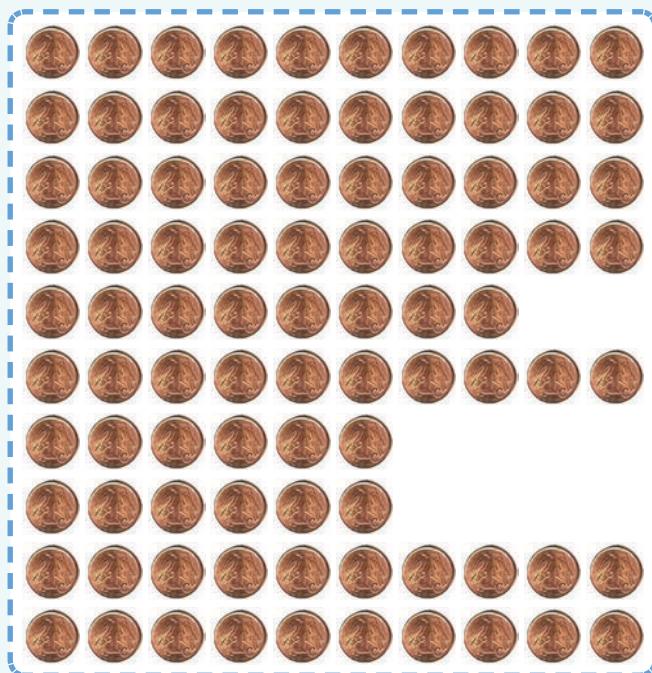
Mangaki amasenti onawo?

Udinga amangaki amasenti
ukuhlanganisa i-R1,00?

Wadwebe ebulokhini.



Mangaki amasenti?



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



Ngingathenga izithelo ezingaki?



2 ubiza ama - R4,00.

Mngaki ubhanana ongawuthenga
ngama - R20,00?



2 abiza ama - R2,00.
Mangaki ama - aphula ongawathenga
ngama - R9,00?



27

Usuku:

Ukubala ngaku - 3



Amasondo ahamba ngama - 3



Usondontathu ngamunye unamasondo a - _____.

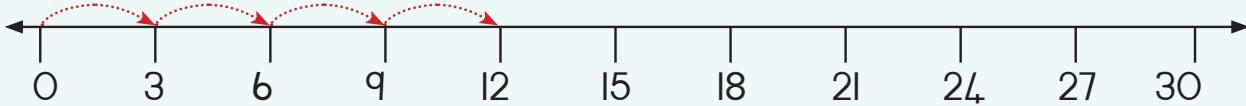


Osondontathu aba - 5 banamasondo a - _____ esewonke.	$3 + 3 + 3 + 3 + 3 = 5 \times 3 =$ _____
Osondontathu aba - 2 banamasondo a - _____ esewonke.	$3 + 3 = 2 \times 3 =$ _____
Osondontathu aba - 4 banamasondo a - _____ esewonke.	
Osondontathu abayi - 6 banamasondo a - _____ esewonke.	
Osondontathu abayi - 9 banamasondo a - _____ esewonke.	
Osondontathu abayi - 8 banamasondo a - _____ esewonke.	



Imigqa yezinombolo

Buka isibonelo.



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



b.

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

c.

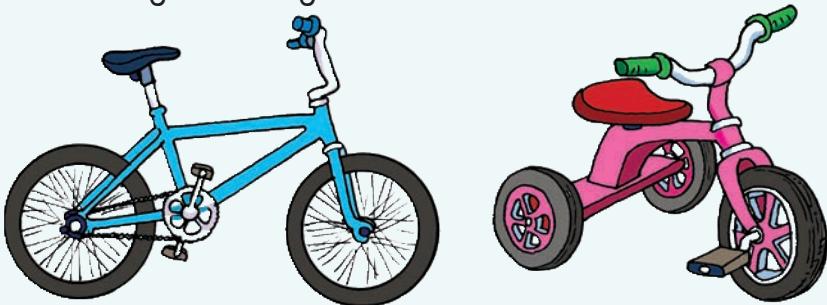
$$\boxed{\quad} = \boxed{\quad} = 6 \times 3 = \boxed{\quad}$$

d.

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



Amabhayisikili kanye nosondontathu



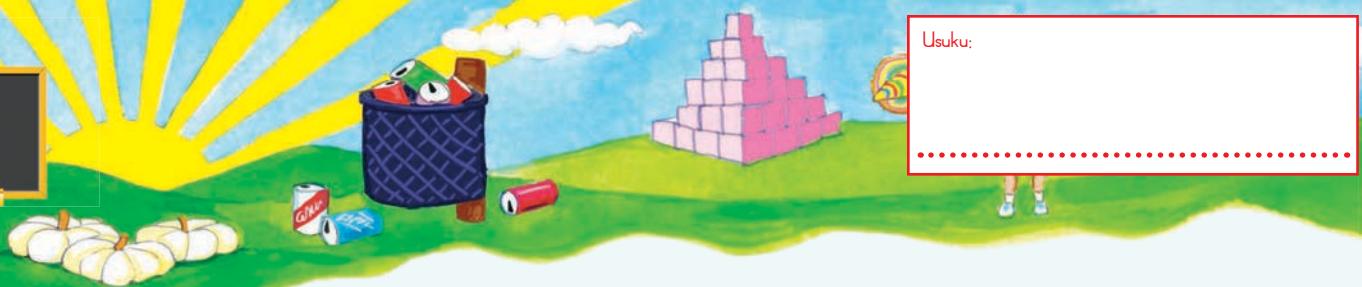
UBusi ubala amasondo emabhayisikilini kanye nawosondontathu esitolo.

Kunamasondo ayi-14 esewonke.

Mangaki amabhayisikili? _____

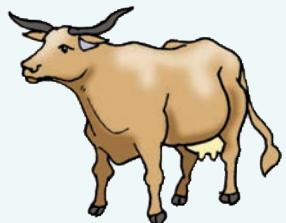
Bangaki osondontathu? _____





Ukubala imilenze

Okuthile ngezinto eziza ngazi - 4
 $4 + 4 = 8; 2 \times 4 = 8$



Izinkomo zinemilenze emine.

Yikuphi okunye okuhamba ngazi - 4? _____



Ukubala imilenze

Hlukaniselanani izimpendulo.
 Chazani ukuthi nikwenze kanjani.

Sebenzisa amaqiniso owaziyo ngezinto ezihamba ngazi - 4 bese uphendula le mibuzo.

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



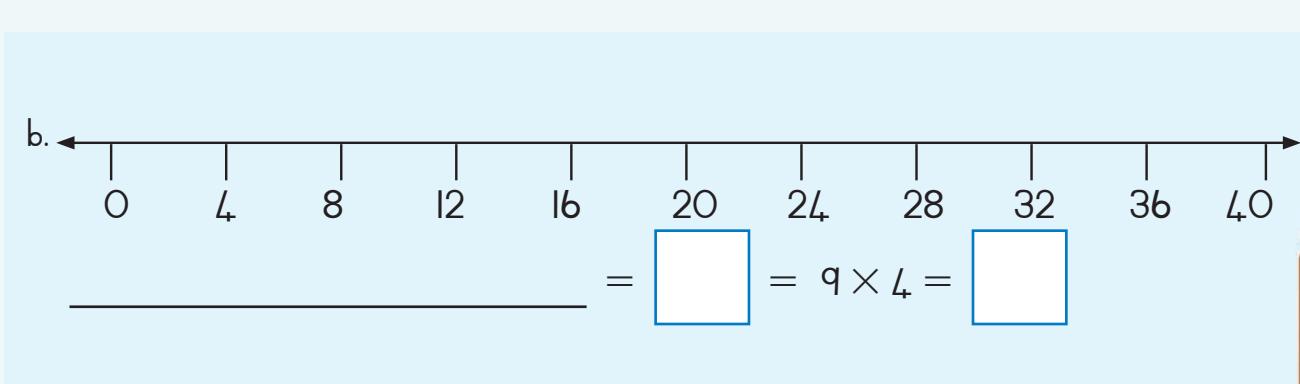
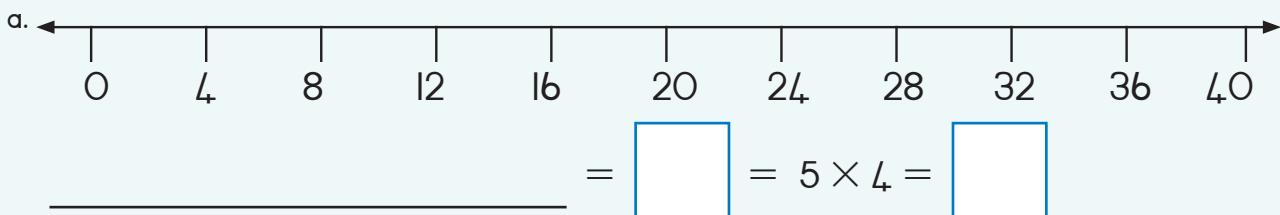
Qedela leli thebhula elingezansi. Sebenzisa isibonelo.

Izinkomo ezi - 3 zinemilenze eyi - _____.	$4 + 4 + 4 = 3 \times 4 =$ <u>12</u>
Izinkomo ezi - 5 zinemilenze engama - _____.	
Izinkomo ezi - 4 zinemilenze eyi - _____.	
Izinkomo ezi - 7 zinemilenze engama - _____.	
Izinkomo ezi - 8 zinemilenze engama - _____.	



Imigqa yezinombolo

Khombisa isibalo sokuphindaphinda emgqeni wezinombolo bese uwuqedela.



Teacher:
Sign:
Date:



Amaphethini ezinombolo



Amaphethini egridi

Zakha liphi iphethini iziyengi ezivela kugridi ye -100 ngayinye?

Dweba ezinye iziyengi ukuqedela iphethini ngalinye.

Bhala igama lephethini ngalinye.

a. Iphethini: _____

b. Iphethini: _____

c. Iphethini: _____

A Go board diagram consisting of a 13x13 grid of squares. Black stones are placed at the following coordinates: (1, 1), (1, 3), (1, 7), (1, 9), (1, 11), (2, 1), (2, 5), (2, 9), (2, 11), (3, 1), (3, 3), (3, 7), (3, 9), (3, 11), (4, 1), (4, 5), (4, 9), (4, 11), (5, 1), (5, 3), (5, 7), (5, 9), (5, 11), (6, 1), (6, 3), (6, 7), (6, 9), (6, 11), (7, 1), (7, 3), (7, 7), (7, 9), (7, 11), (8, 1), (8, 3), (8, 7), (8, 9), (8, 11), (9, 1), (9, 3), (9, 7), (9, 9), (9, 11), (10, 1), (10, 3), (10, 7), (10, 9), (10, 11), (11, 1), (11, 3), (11, 7), (11, 9), (11, 11), (12, 1), (12, 3), (12, 7), (12, 9), (12, 11).

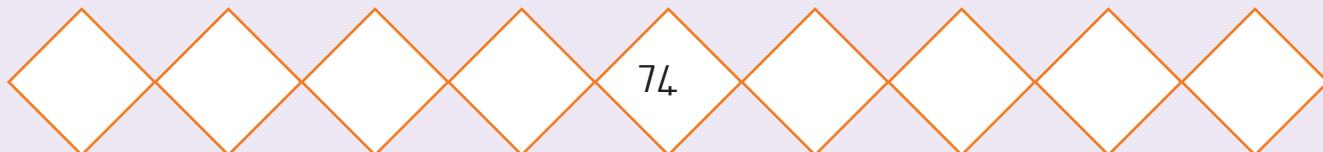
d. Iphethini: _____

A 19x19 grid representing a Go board. There are ten white circular stones placed on the board at the following coordinates: (3, 3), (3, 10), (10, 3), (10, 10), (10, 17), (17, 3), (17, 10), (17, 17), (19, 10), and (19, 17). The grid lines are thin and light gray, creating a 19x19 pattern of squares.

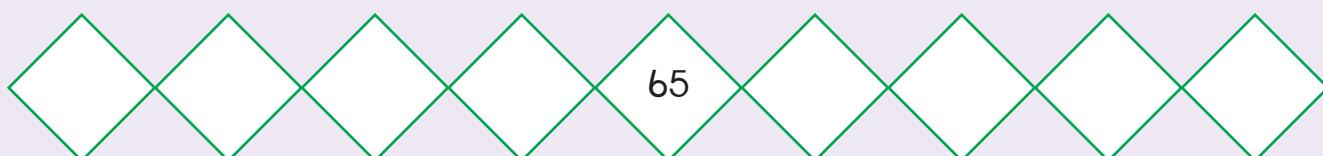


Ukuzenzela amaphethini

- a. Kuleli phethini lezinombolo, izinombolo zakhona azilona ugweje. Yiziphi izinombolo ezingekho?
Zibhale.



- b. Kuleli phethini lezinombolo, izinombolo ziwigweje zonke. Yiziphi izinombolo ezingekho?
Zibhale.



Zingena kuphi lezi zinombolo?



Iphethini lezinombolo ezibala ngaku-3 nangaku-4.

isb: 48

Iphethini lezinombolo ezibala ngaku-3 nangaku-5.

Iphethini lezinombolo ezibala ngaku-4 nangaku-5.



Olwandle

UThembu uqoqe amagobolondo ahamba nga-60
nanga-70 olwandle. Uma ewabala ngama-3, usala neli-1.

Inombolo okungahle kube yiyo: ngama-61, _____, _____, ama-
70. Uma ebala ngaku-5, usala noku-4. Izinombolo yilezi: _____,
_____. UThembu unamagobolondo amangaki? _____.



Teacher:
Sign:
Date:

30a

Usuku:



Ithemu |



Hlukanisa amaswidi:

Ukuhlukanisa



- a. Hlukanisela abantwana ababili amaswidi angama - 30.



Sikubhala kanje:

$$30 \div 2 = 15$$

- b. Hlukanisela abantwana aba - 3 amaswidi.



$$\div =$$

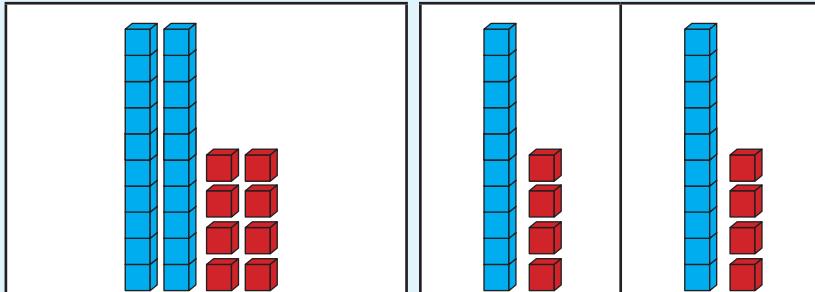
- c. Hlukanisela abantwana aba - 5 amaswidi.



$$\div =$$



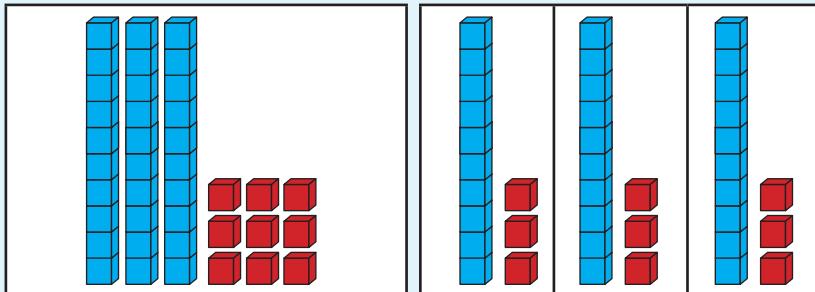
Singawasebenzisa amabhalokhi ezinombolo uma sihlukanisa.



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

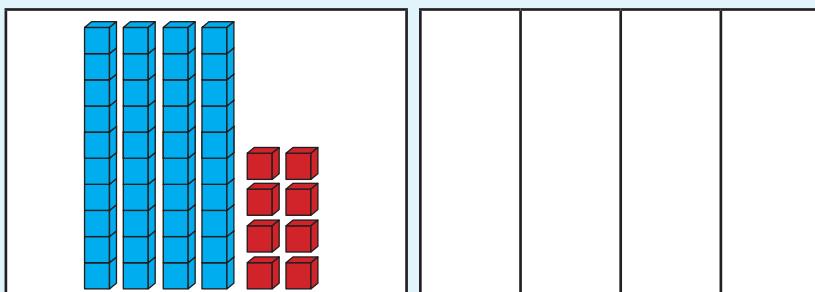
Yenza lezi.

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



Usuku:

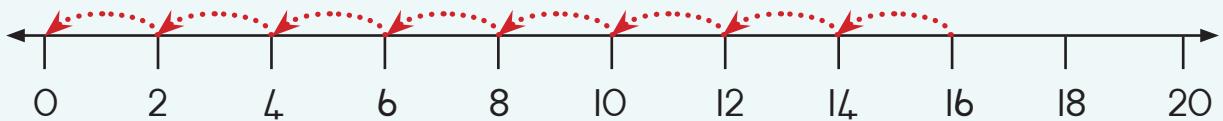
Ithemu |

Ukuhlukanisa (kuyaqħutshwa)



Sebenzisa imigqa yezinombolo ukubħala isibalo sokususa nesokuhlukanisa ngemisho yezinombolo.

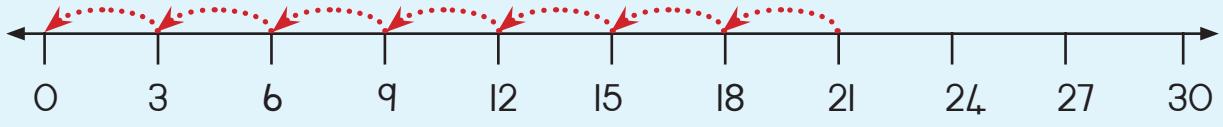
Isibonelo:



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

$$16 \div 2 = 8$$

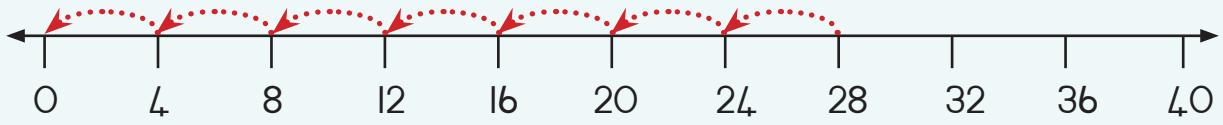
a.



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

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

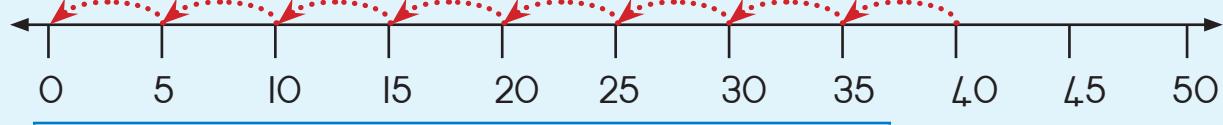
b.



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

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

c.



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

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



Dweba umugqa wezinombolo bese uwuxazulula.

a. $30 \div 5 =$

← →

b. $22 \div 2 =$

← →

c. $27 \div 3 =$

← →

d. $32 \div 4 =$

← →

e. $25 \div 5 =$

← →



Inselele

Hlukanisela amaqoqo ahlukena
ezingane amaswidi angama -24
ngokulinganayo, ukukhombise
lokho ngezindlela ezahlukene.

Bhala imisho yezinombolo
ukukhombisa impendulo.



3I



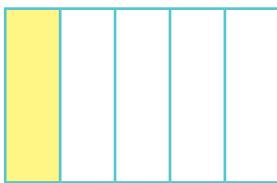
Usuku:

Ithemu |



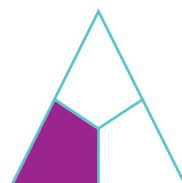
Amaqhezu

Dweba umugqa uqondanise isimo neqhezu.



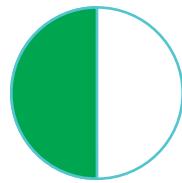
Okukodwa
kokuthathu

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



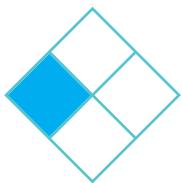
Okukodwa
kokuhlanu

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



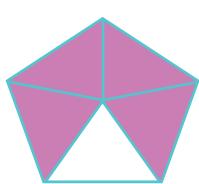
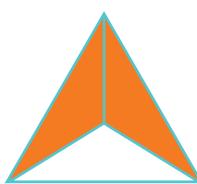
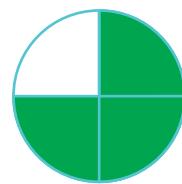
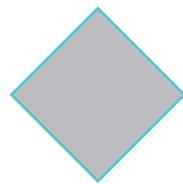
Ikota

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



Uhhafu

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



Amakota
amathathu

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

Okune
kokuhlanu

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

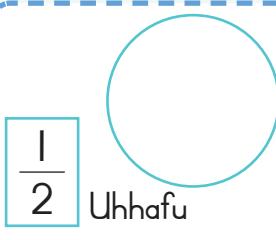
Okuphelele

$$\boxed{1}$$

Okubili
kokuthathu

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

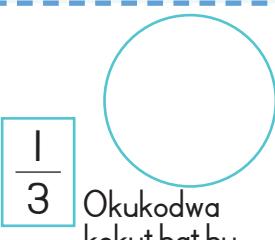
Hlukanisa isimo bese ufaka umbala ukukhombisa iqhezu.



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

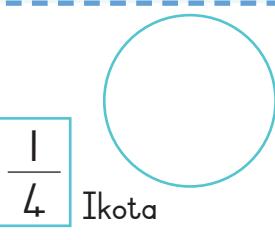


Uhhafu



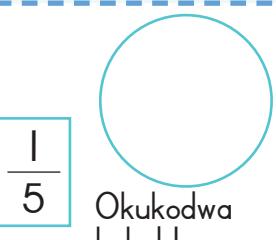
$$\frac{1}{3}$$

Okukodwa
kokuthathu



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

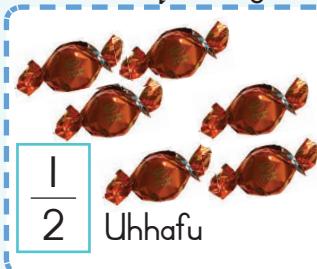
Ikota



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

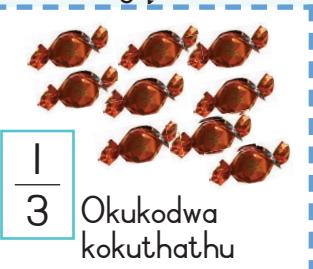
Okukodwa
kokuhlanu

Khombisa iqhezu ngokudweba umugqa ukokelezele inani elifanele lamaswidi:



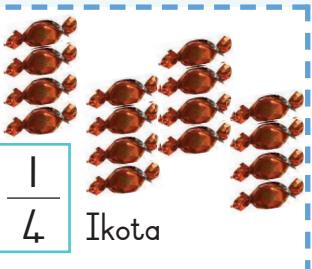
$$\frac{1}{2}$$

Uhhafu



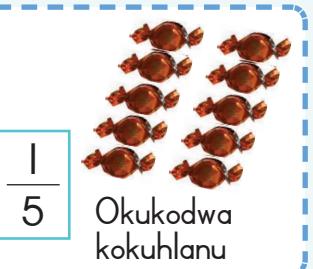
$$\frac{1}{3}$$

Okukodwa
kokuthathu



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

Ikota

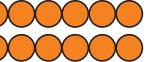


$$\frac{1}{5}$$

Okukodwa
kokuhlanu



Hlukanisela abantwana ababili izibali.

 <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"> Sithole izibali ezi-<u>2</u> umuntu ngamunye. Iqhezu eliwuhhafu wezibali ezi-<u>4</u> yizibali ezi-<u>2</u>. 	<ul style="list-style-type: none"> Sithole izibali ezi- _____ umuntu ngamunye. Iqhezu eli- _____ lezibali ezi- _____ yizibali ezi- _____. 	<ul style="list-style-type: none"> Sithole izibali ezi- _____ umuntu ngamunye. Iqhezu eli- _____ lezibali ezi- _____ yizibali ezi- _____. 	<ul style="list-style-type: none"> Sithole izibali ezi- _____ umuntu ngamunye. Iqhezu eli- _____ lezibali ezi- _____ yizibali ezi- _____. 																



Hlukanisela abantwana amaswidi.

 <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 lamaswidi = 3 Amakota amabili = _____ Amakota amathathu amaswidi = _____ Amakota amane amaswidi = _____ 	<ul style="list-style-type: none"> Okukodwa kokuthathu kwamaswidi = _____ Okubili kokuthathu kwamaswidi = _____ Okuthathu kokuthathu kwamaswidi = _____ 														





Isikhathi

Funda iwashi

Singabhalala isikhathi esifanayo ngezindlela ezahlukene.

<p>2:15 Iyishumi nanhlanu lishayile elesi-2</p>	<p>5:30 Ligamenxe elesihlanu</p>	<p>9:45 Iyishumi nanhlanu ngaphambi kwele-10</p>

Bhala lezi zikhathi ngezindlela ezi-2 ezahlukene.

_____	_____	_____

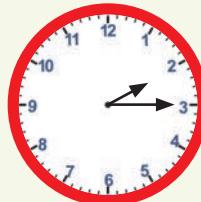
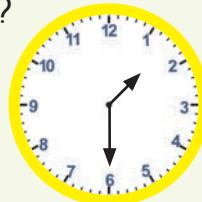


Ukuya ekhaya

Uthatha isikhathi esingakanani uBebe ukufika ekhaya?

imizuzu

amahora



UBebe uyasuka esikoleni. UBebe uyafika ekhaya.



Isikhathi siyagijima

Isikhathi uma ubala
nga-2...



Mingaki imizuzu emahorenami -2? _____

Mangaki amahora ezinsukwini ezi -2? _____

Zingaki izinsuku emasontweni ama -2? _____

Zingaki izinyanga eminyakeni emi -2? _____



Zingaki izinsuku?

Mhla zingama -27 kuMboso – uSuku LweNkululeko.

Mhla ziyi -16 kuNhlangulana uSuku LweNtsha.

a. Kusukela ngoSuku LweNkululeko kuya oSukwini LweNtsha kunezinyanga ezi -
ezigcwele, namasonto ama - _____ agcwele kanye nezinsuku ezi - _____.

b. Mangaki amasonto aphelele? _____ Zingaki izinsuku ezisele? _____.

Zingaki izinsuku sezizonke? _____.

c. Usuku lukaLebu lokuzalwa lungaphambili ngezinsuku
eziyisi - 7 oSukwini LweNkululeko. OlukaMusa lusemuva
ngezinsuku ezimbili koLweNtsha.

Ngubani omdala? _____ Mdala ngezinsuku ezingaki? _____

UMbaso						
M	L	L	L	L	M	S
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					

UNhlaba						
M	L	L	L	L	M	S
		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		

UNhlangulana						
M	L	L	L	L	M	S
					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

Hlola. Qhathanisa.
Lungisa.



33



Usuku:

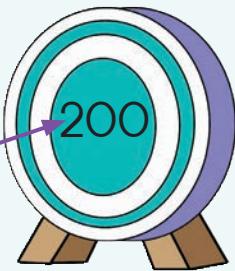
Ithemu 2



Ukubala izinombolo

Bala bese usho zonke izinombolo kusukela e-101 uye ema-200.

Khomba izinombolo ngenkathi ubala.



101	102																		
III																			
121																			
131																			
																	149		
																			154
																			165
																			180
																			181
																			186
																			198
																			200



Ukubhala izinombolo

- Bhala izinombolo ezingekho ezikweleni eziluhlaza.
- Bhala izinombolo ezisele.
- Bhala izinombolo ezili-10 eziza emva kwama-200.

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



Bhala izinombolo ezingekho

a.

200		180			

50					110

b.

87		107			

167					

					207

					237



Qedela

$$\begin{array}{r}
 200 + 30 + 5 = 235 \\
 200 + 40 + 7 = \underline{\quad} \\
 200 + 60 + 8 = \underline{\quad} \\
 \underline{\quad} + \underline{\quad} + \underline{\quad} = 293 \\
 \underline{\quad} + \underline{\quad} + \underline{\quad} = 256
 \end{array}$$

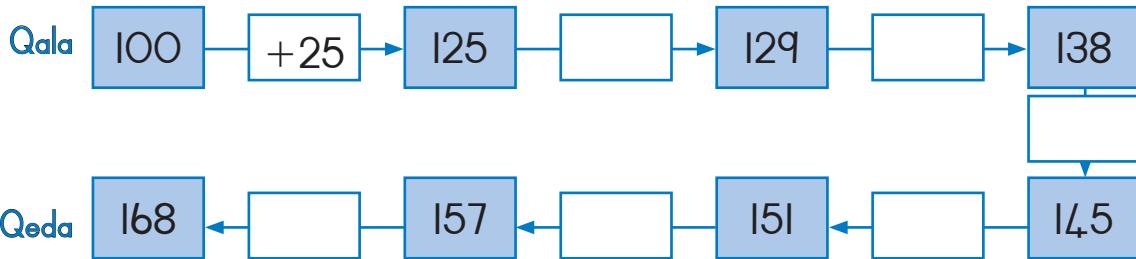
Bhala izinombolo ngokulandelana kwazo.

Mazilandelane zisukele kwencane kunazo zonke ziye kwenkulu kunazo zonke.



Qhubeka ubale usuke e -100

Udingani ukufinyelela enombolweni elandelayo?





Ukusebenza ngamaqoqo ezinombolo



Ukupakisha amakhandlela

UMama wakwaNkosi usebenza embonini yamakhandlela. Uma amakhandlela eselungiswe kahle uwapakisha emashalofini awo.



Mangaki amakhandlela asebhokisini ngalinye? _____

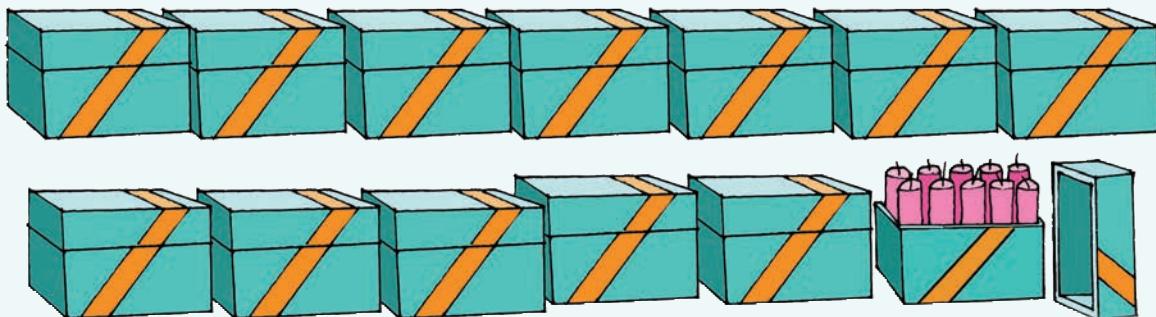
Mangaki amabhokisi aseshalofini ngalinye? _____

Mangaki amakhandlela eshalofini ngalinye? _____



Amabhokisi amakhandlela

Umama wakwaNkosi uyawavala amabhokisi.



- a. Bala amabhokisi esewonke.

Mangaki amabhokisi? _____

Mangaki amakhandlela esewonke? _____

Udinga ukuba namabhokisi amangaki azokwenela amakhandlela angama -200? _____

- b. Mangaki amakhandlela:

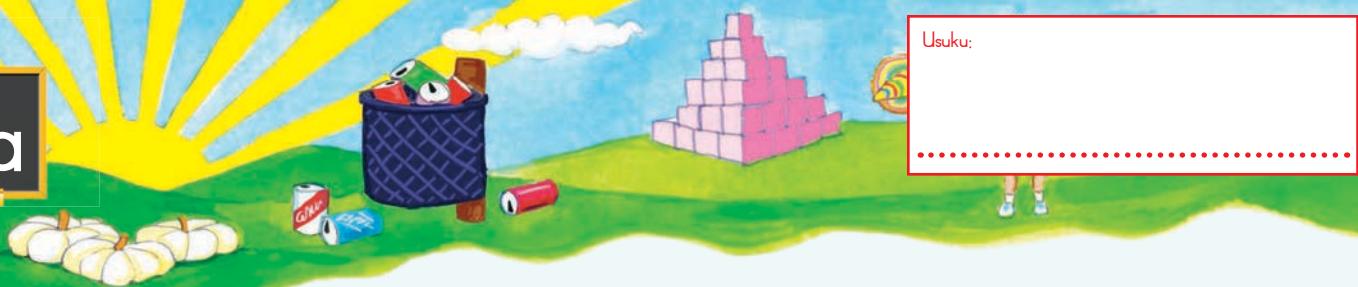
emabhokisini ama -2? _____	emabhokisini ama -4? _____
emabhokisini ama -5? _____	emabhokisini ama -3? _____
emabhokisini ayi -6? _____	emabhokisini ayi -7? _____

- c. Udinga amabhokisi amangaki ngalokhu?

a -40, amabhokisi a - _____	a -70, amabhokisi a - _____
a -50, amabhokisi a - _____	a -30, amabhokisi a - _____



35a



Usuku:

Ithemu 2



Ukubeka amashumi ndawonye kanye nokuwehlukanisa

Ukubeka amashumi ndawonye uma uhlanganisa

Masihlanganise $56 + 73 =$		+	
	amashumi ama-5 nemivo eyi-6		amashumi ayi-7 nemivo emi-3

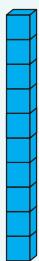
ama-100	ama-10	imivo

Sekukonke sinamashumi ayi-12.
Singawabeka ama-10 ayishumi ndawonye ukwenza i-100.

--	--	--



Make sizame.



$$= \square - \blacksquare = \circ$$



$$100 + 20 + 6 = 126$$

b. $65 + 52$

c. $76 + 63$

d. $86 + 65$



35b



Usuku:



Ukubeka amashumi ndawonye kanye nokuwehlukanisa (kuyaqhutshwa)

Ukubeka amaqoqo ndawonye

Sebenzisa amabhokisi amandla enombolo.

Sebenzisa amabhulokhi amashumi ukwenza lezi zinombolo ezimbili.	Sekukonke mangaki amashumi? Mingaki imivo?	Wenzeni yaba ngamaqoqo, amashumi noma imivo? Thola amandla enombolo lapho wenze iqoqo kabusha khona.	Bhala inombolo
$23 + 99 =$	_____ amashumi _____ imivo	$11 \text{ amashumi} + 12 \text{ imivo}$ $= 110 + 12$	122
$38 + 25 =$	_____ amashumi _____ imivo		
$77 + 31 =$	_____ amashumi _____ imivo		
$68 + 45 =$	_____ amashumi _____ imivo		
$83 + 47 =$	_____ amashumi _____ imivo		



Ukubeka amashumi eceleni uma senza isibalo sokususa

Uma sisusa, siyaye sidinge ukukhombisa ishumi elilodwa sithi yimivo eyishumi, kumbe
ikhulu elilodwa ngokuthi amashumi ayi-10.

Make sisuse: $60 - 55 =$

Siqala ngamashumi ayi-6 nomuvo ongekho. Sifuna ukususa amashumi amahlanu nemivo emihlanu.
(Sifaka umbala ompunga kuleyo mivo esiyisusayo.)

Sikhombisa amashumi ayisi-6 kanje.	Noma amashumi ama-5 nemivo eyi-10.	Susa amashumi ama-5 nemivo emi-5. Kusala imivo emihlanu.	
		$60 - 55 = 5$	



Make sizame.

a. $70 - 28$

Amashumi ayi-7	amashumi ayi-6 nemivo eyi-10	$70 - 28 =$	

b. $90 - 46$

c. $80 - 53$



Ukuthola amaphoya ezinombolo.

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

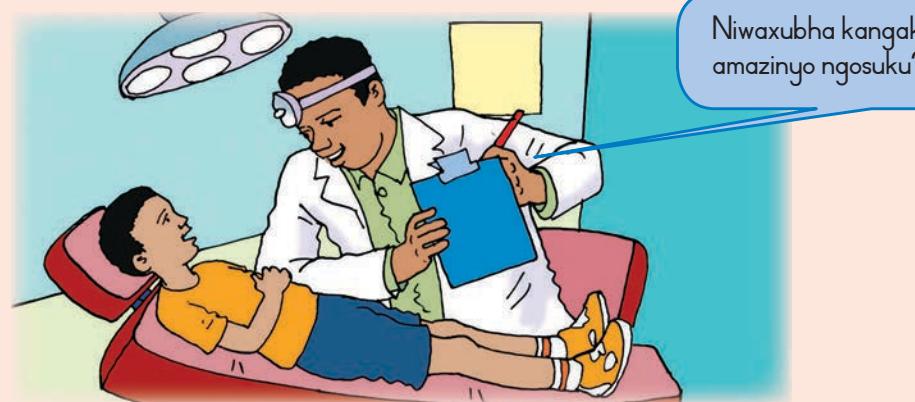
200	
85	





Sivakashela udukotela wamazinyo

Iqenjana labantwana livakashele udukotela wamazinyo.



Nazi izimpendulo zabantwana.



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

- a. Bala okufakwe uphawu (✓) ukhombise ukuthi abantwana bawageza kangaki amazinyo.
Bhala izinombolo.

 Kanye ngosuku	
 Kabili ngosuku	
 Kathathu ngosuku	

- b. Ubonani kuleli thebhula?

Abantwana abanangi baxubha amazinyo ka- _____ ngosuku.

Abantwana abancane baxubha amazinyo ka- _____ ngosuku.



Dweba igrafu yezithombe ukukhombisa ukuthi abantwana bawaxubha kangaki amazinyo ngosuku.



= Kanye ngosuku

(This large rectangular area is a blank space for writing or drawing.)



Yenza inhlolovo eklasini. Buza abantwana abayi -15–20:

- Babuze ukuthi bawaxubha kangaki amazinyo ngosuku. _____
- Dweba igrafu yezithombe efana nale engenhla ukhombise izinto ozitholile.



Teacher:

Sign:

Date:

37a



Usuku:

Ithemu 2

Hlanganisa uxube



Ukubhala isibalo sakho

UBusi uhlanganisa imivo namashumi bese akha amaqoqo kabusha, bese esusa ephepheni ngaphandle kwamabhulokhi. Ngesinye isikhathi uyathanda ukuqala ngamakhadi ezinombolo ukukhombisa izinombolo zakhe.

Uthola la makhadi uma elungiselela izinombolo $56 + 73$:

$$\begin{array}{r} 50 \boxed{6} \\ + \quad 70 \boxed{3} \end{array}$$

Uhlanganisa imivo abeke ikhadi lokuyi - 9.

Uyazi ukuthi: $50 + 70 = 120$.

Usebenzisa ikhadi lamakhulu, lama -20 nele - 9 ukwenza inombolo enamadjithi ama -3.



Lokhu ukubhala kanje:

$$\begin{aligned} 50 + 70 + 6 + 3 \\ = 50 + 70 + 9 \\ = 120 + 9 \\ = 100 + 20 + 9 \\ = 129 \end{aligned}$$

$$\begin{array}{r} 100 \\ + 20 \\ \hline \boxed{9} \end{array}$$

UDumi uyazi ukuthi amabhulokhi asebenza kanjani: Wenza

ama - $56 + 73$ kanje:

$$50 + 6 + 70 + 3$$

$$\cancel{120} + \cancel{9}$$

$$= 129$$



U-Aakar uyathanda ukusondezelā. Ukwenza kanje:

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





Ake uzame wena - ke manje. Yenza lokhu ngakunye ngezindlela ezimbili.

a. $86 + 62$

Indlela kaBusi

$$80 + 60 + 6 + 2$$



Indlela kaDumi

$$80 + 6 + 60 + 2$$



b. $72 + 63$

c. $81 + 57$

d. $69 + 71$

Sebenzisa indlela ka - Aakar ukwenza lesi.



37b



Usuku:

Ithemu 2



Hlanganisa uxube (kuyaqhutshwa)

Make sisuse manje.

a. $87 - 53$

Indlela kaBusi

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



Indlela kaDumi

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



b. $95 - 73$

c. $86 - 62$

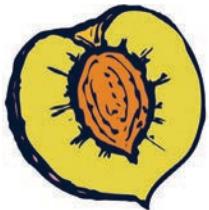
d. $85 - 69$



Xazulula!

Ziningi izindlela zokuhlanganisa **imivo** na**mashumi** ndawonye. Khetha indlela oyithandayo noyazi kangcono ukuxazulula lezi zinkinga. Khombisa umsebenzi owenzile.

- a. UPhiwe ucosha amapetshisi angama -34, uphinda uthola angama -67.
Mangaki amapetshisi esewonke?



- b. Abantwana bakwa Malusi bonge imali engama -R47 ngokuhlanganyela. Unina wabapha amanye ama -R58. Banamalini seyijonke manje?



- c. Isikole sihamba ngebhasi ama -88 km ekuseni, nama - 73 km ntambama. Mangaki ama -km ahanjwa isikole ngebhasi ngosuku?



Teacher: _____
Sign: _____
Date: _____

38

Ithemu 2



Usuku:



Izivalo zamabhodlela

Xazulula!

Sebenzisa noma iyiphi indlela oyithandayo.
Khombisa ukuthi ukwenze kanjani.



USipho



U-Andile

USipho ubala aze afike ema-87 ngezivalo zamabhodlela. U-Andile ubala afike ema-38.

USipho udlula u-Andile ngezivalo ezingaki zamabhodlela?



Ikhonsathi lesikole



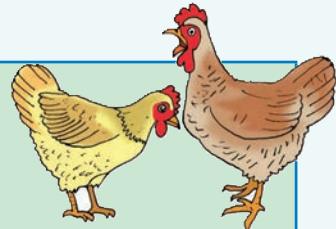
UMusa



UMusa uthengisa amathikithi. Ubephetho angama-92 ekuqaleni. Usesele nangama-67. Uthengise amangaki empeleni uMusa okwamanje?



Siyaqhubeka nokuzejwayeza



Kukhona izinkukhu ezingama - 69 enkanjini, nezingama - 95 kwenye inkambu. Zingaki izinkukhu sezizonke? Funda ukuthi uGugu no - Aakar basenza kanjani lesi sibalo.

Indlela kaGugu

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



Indlela ka - Aakar

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

Ngisuse oku - I.
Uyazi ukuthi
kungasizathu sini?



- a. Abafana banikwe ama - R96 ngohambo lвесиколе. Amantombazana ama - R79. Malini seyijonke?

Sebenzisa indlela kaGugu

Sebenzisa indlela ka - Aakar

- b. Isikole siquoqe ama - kg angama - 76 amakani. Esinye sithole ama - 68 kg amakani. Mangaki amakani alezi zikole zombili esewonke?

Sebenzisa indlela kaGugu

Sebenzisa indlela ka - Aakar



Teacher:
Sign:
Date:

39



Usuku:

Ithemu 2

Ukubala nokwenza isibalo



Ukuthola ingxenye.

Bhala izinombolo ezingekho.

a.

100	
	27

b.

100	
39	

c.

100	
43	

d.

100	
56	

e.

200	
140	

f.

200	
	110

g.

200	
135	

h.

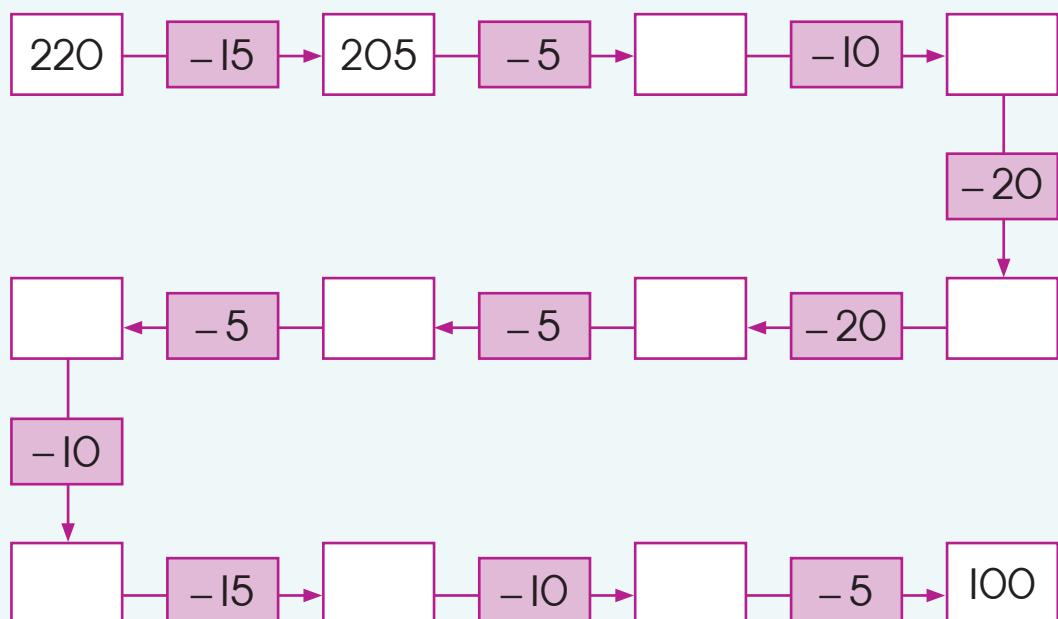
200	
	120



Ukususa ema-220 kuhlehlala e-100

Yibe lokhu ususa izinombolo ezisebhokisini eliphinki.

Sikwenzele okokuqala.



Nansi
indlela
yokuhlola
izimpendulo.

Qala e-100.

Phindela
ema-220.

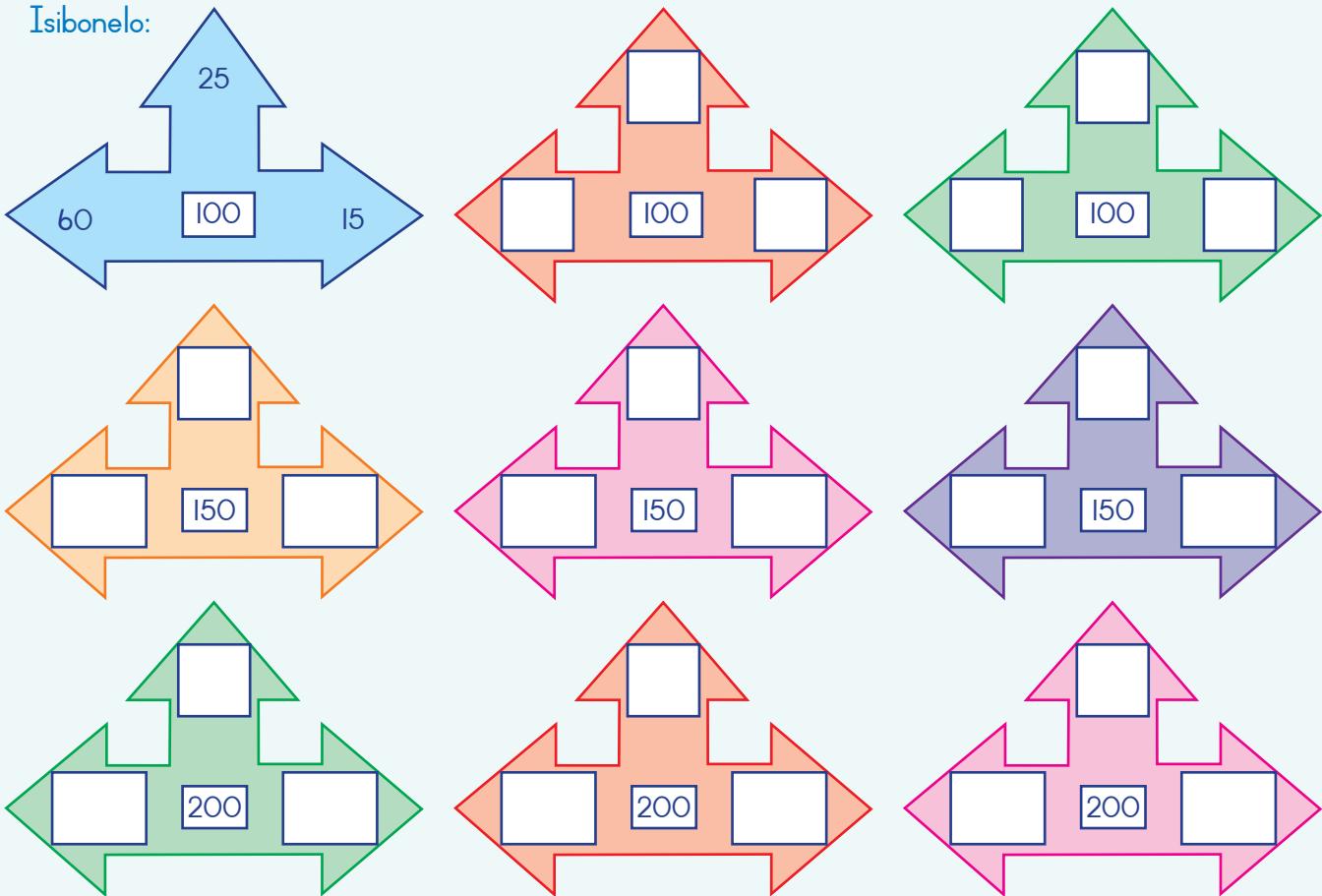
Manje,
hlanganisa
izinombolo.



Imindeniyokuthathu

Thola izinombolo ezi-3 ozihlanganisa zize zifinyelele enombolweni oyiphokophele.
Umthetho: Yinye inombolo engaphelela e-O.

Isibonelo:



Ukuhlanganisa ama-50 nokususa ama-50

Bhala izimpendulo emugqeni wesibili.

	70	125	150	81	96	122	134	111	70
+50	120								
	186	200	158	179	139	79	126	138	99
-50	136								



Teacher: Sign:
Date:

40

Usuku:

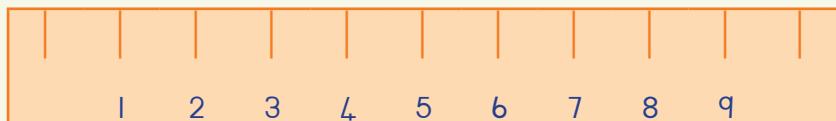


Ithemu 2



Ukukala ngamasentimitha

Lide kangakanani isentimitha?



Izinombolo eruleni zimele amasentimitha. Sifinyeza isentimitha sithi cm.

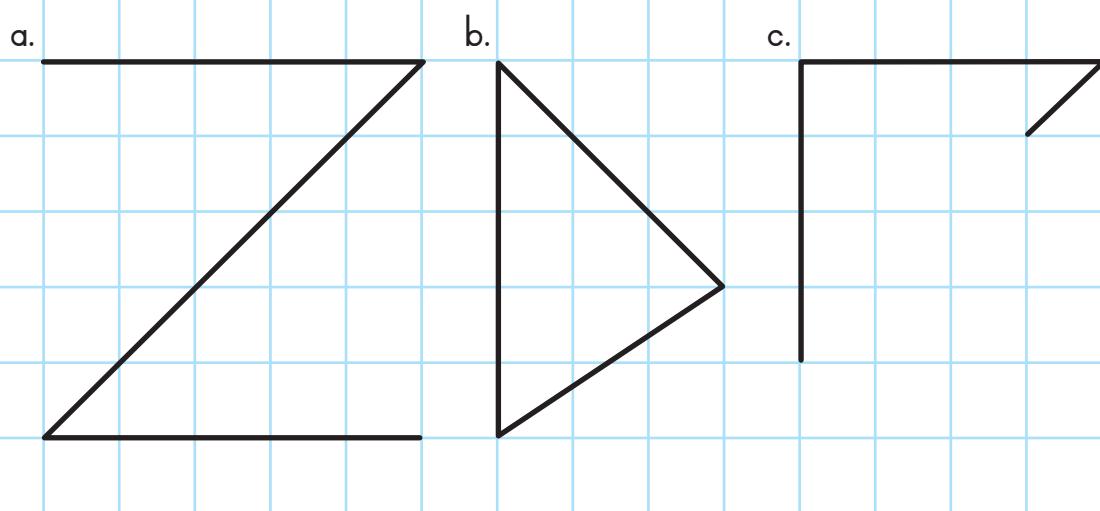
Uma usebenzisa irula kumele uqale ukukala ezengeni lika-O.

Amanye amarula awalivezi izenga lika-O, enza njengaleli elikuleli khasi.

Thola u-O cm eruleni. Beka iphrestiki lapho ucabanga ukuthi u-O ukhona.
Ukuphi u-10 cm eruleni? Bhala 10 khona lapho.



Linganisela, bese ukala ngokunembayo ngerula, isamba sobude bale migqa ngama-cm.



a. Linganisela	<input type="text"/>	cm	b. Linganisela	<input type="text"/>	cm	c. Linganisela	<input type="text"/>	cm
Kala	<input type="text"/>	cm	Kala	<input type="text"/>	cm	Kala	<input type="text"/>	cm



Mude kangakanani umugqa ngamunye?

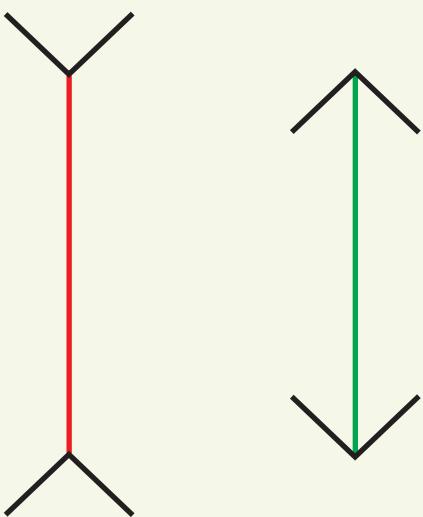
Umugqa ngamunye kungabe mude ngama-cm amangaki?

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?

Yikuphi okude kunokunye? Kungabe wumugqa obomvu noma oluhlaza satshani?
Uzokuthola kanjani lokho?



Yile nto esiyibiza ngokukhohliseka kwamehlo.
Kwenze ka uma amehlo akho kuba sengathi abona
into engekho lapha. Le migqa iyalingana ngobude.
Lo obomvu umugqa mude ngokulinganayo nalona
oluhlaza. Ukukhomba ngaphakathi komcibisholo kwenza
umugqa obomvu ubukeke umfushane. Imigqa emnyama
ngokukhomba kwayo ngaphandle kwenza umugqa
obomvu ubukeke umude, bese kuthi imigqa emnyama
ekhomba ngaphakathi kwenze umugqa oluhlaza ubukeke
umfushane.



41



Usuku:

Ithemu 2



Siphokophele ema-300

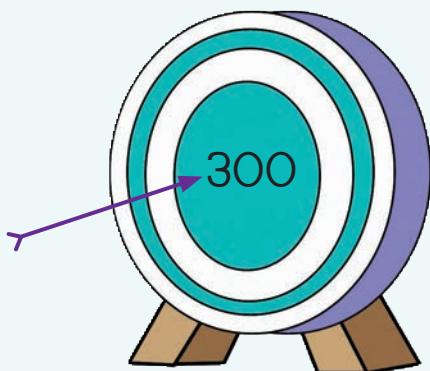
Ukubala nokubhala ama-200

Bala usukele ema-201 uye ema-300.

Khomba ngenkathi ubala.

Gcwalisa izinombolo eziluhlaza sasibhakabhaka kuqala.

Bhala zonke ezinye izinombolo.



201						207			210
211									
221									
231									



Bhala ama-10 alandela emva kwama-300.

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



Kugxunywe kangakanani?

30I

28I

17I

2II

10I



Ukukhombisa nokuqhathanisa

- a. Bhala izinombolo ezihambisana nekhadi ngalinye.

298;

208;

30I;

276;

227;

269;

3II

2 0 0

9 0

8

- b. Bhala izinombolo zilandelane zisukele kwencane kunazo zonke ziye kwenkulu kunazo zonke.

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

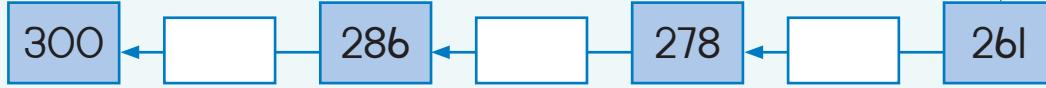


Yini eguqukile? Bhala izinombolo ezingekho.

Qala



Qedela



42



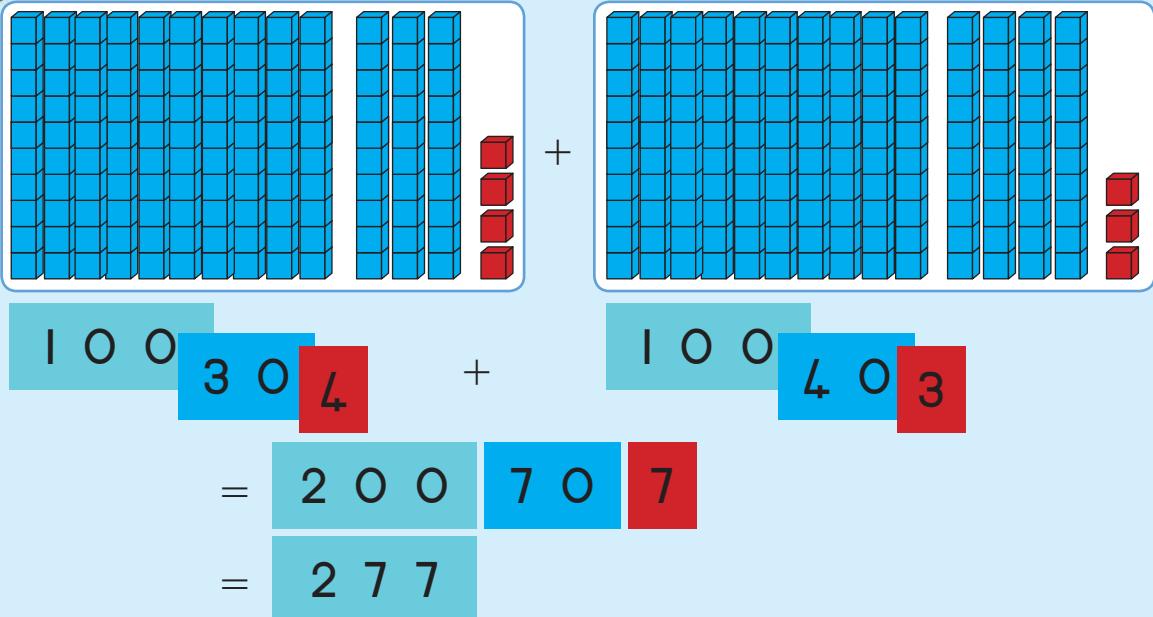
Usuku:

Ithemu 2



Ukuhlanganisa nokususa ngama -100

Ukuhlanganisa usebenzisa amabhulokhi.



Landela izindlela ezimbili. Khombisa impendulo ngayinye ngezindlela ezimbili.

a. $132 + 123$

Indlela kaBusi

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



Indlela kaDumi

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



b. $114 + 162$



c. $276 + 148$



Fundisa indlela ngayinye. Yenza isibalo usebenzise izindlela ezimbili.

a. $158 - 146$

Indlela kaBusi

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



Indlela kaDumi

$$\begin{aligned} &158 - 146 \\ &= 0 + 10 + 2 \\ &= 12 \end{aligned}$$



b. $194 - 122$

c. $288 - 199$



43

Usuku:



Siphokophele ema - 400

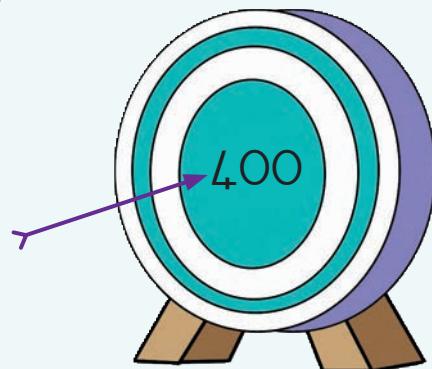


Ukubala nokubhala uye ema - 400

Bala uqhubeku usuke ema - 300 – 400.

Zisho izinombolo ngenkathi ubala.

Bhala izinombolo ezingekho kugridi.



301									310
				315					
									330
331				335					
								249	
				365			368		
									390
									400



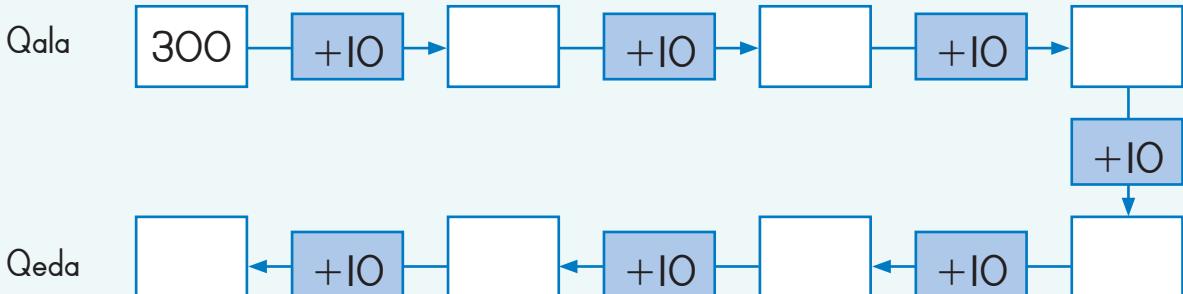
Bhala izinombolo eziyi - 9 emva kwama - 400.

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

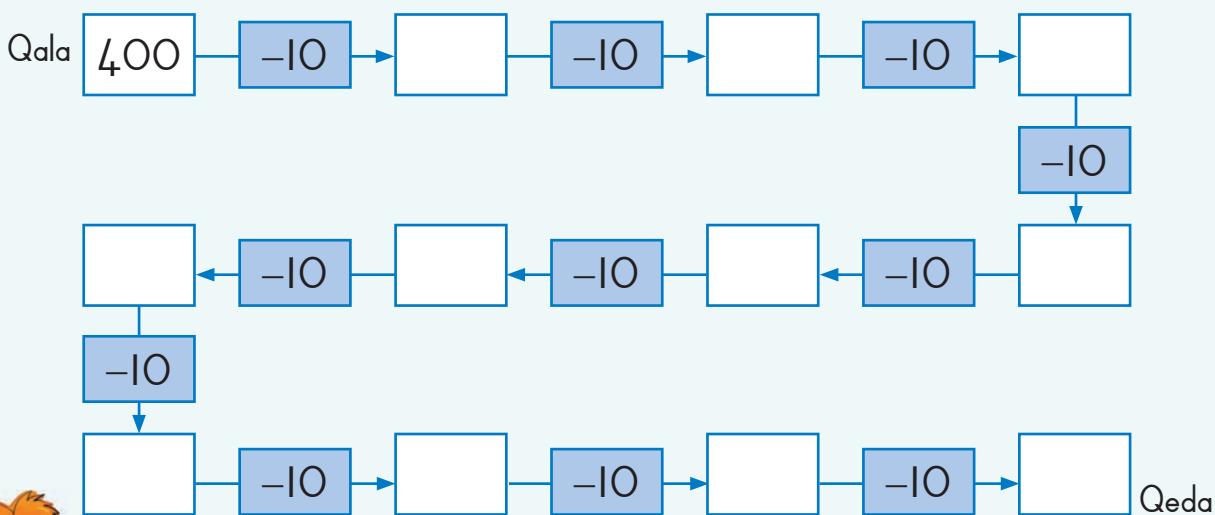


Bala uqhubekē noma uhlehlē.

- a. Ukubala uqhubekē usukelē ema - 300 ubala ngamashumi.



- b. Bala uhlehlē usukelē ema - 400 ubala ngamashumi.



Bhala inombolo eyodwa.

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

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

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

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

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

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

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

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

Bhala izinombolo zilandelane zisukelē kwencane kunazo zonke ziye kwenkulu kunazo zonke.

 , , , , , , ,



Teacher:
Sign:
Date:

44



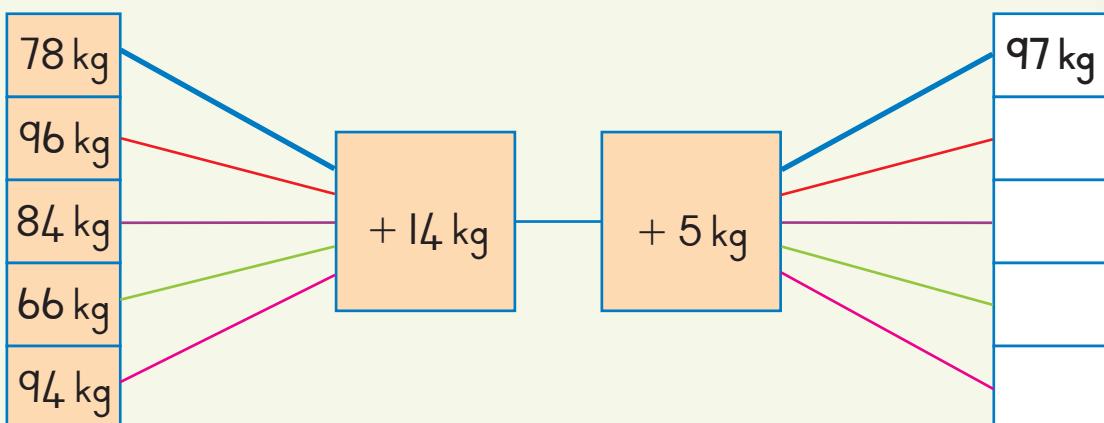
Ithemu 2

Ukukala isisindo



Faka amanye amakhilogramu.

Hlanganisa bese ubhala izimpendulo.



Ukusondezela nokuhlanganisa!

Cabanga ngobuhlakani!

Impungushe 25 kg	Ufudu 98 kg	Imfene 59 kg	Inkonyane yedube 88 kg	Inyoni 9 kg

Sondezela isisindo sesilwane ngasinye e -10 kg.

Bhala isisindo sesilwane ngasinye usilandelanise usukela kwesilula uye kwesisindayo.

Linganisela isamba sesisindo sezilwane zo -5.



Hlanganisa isisindo sazo



Ngingase ngingasindi njengawe.
Ngiwufudu oludala, kodwa ngiyashesha!



Izindlela

- Sebenzisa amanani asondezelwe ukulinganisela lokhu.
- Linganisela isisindo sezilwane ezisemqgeni ngamunye.
- Bala isamba usebenzisa isisindo sangempela.
- Qhathanisa isamba sokuqala nesesibili bese ubhala umahluko.

	Ngiyalinganisela	Ngiyabala	U mahluko



Isisindo sika Vusi

Hlola. Qhathanisa. Lungisa.

UVusi uhlanganisa isisindo sakhe nezisindo ze - kanye nezo - .

Isamba sesindo ngama - **239 kg**. Usinda kangakanani uVusi? Khombisa impendulo.

--	--



Singakanani isisindo sami?

Dlalani njengeqembu. Dedelanani ...

Hlanganisa isisindo sakho neselwane esithile. Thola isamba. Chazela iqembu lakho ukuthi impendulo ithini. Ungakhombisi muntu ukuthi uyithole kanjani impendulo. Kumele bazizamele bona ukuthola isisindo sakho.



45



Usuku:

Ithemu 2



Siphokophele ema - 500

Ukubala nokubhala

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

400

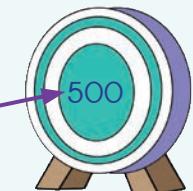
410

420

470

490

500



a. Bala uqhubekе usuke ema - 400. Zisho izinombolo ngenkathi ubala.

b. Bhala izinombolo ezingekho kugridi.

c. Bhala izinombolo eziyi - 9 emva kwama - 500.

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

d. Bala ngaku - 2. Bhala izinombolo ezi - 8 ezilandelayo **ngephethini** langaku - 2.

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

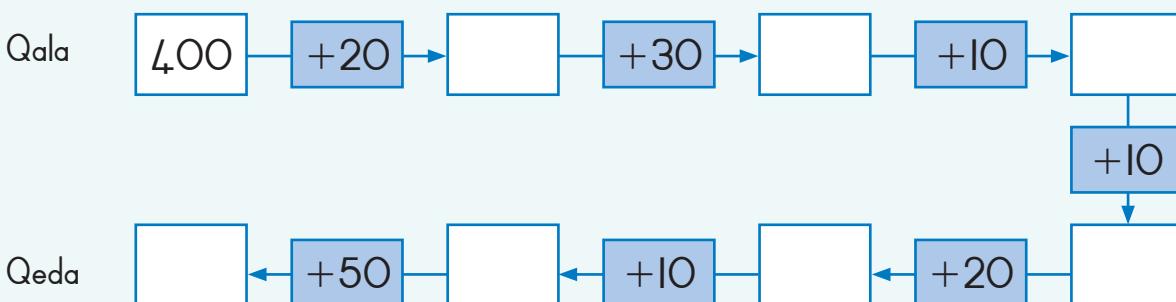
e. Bala ngaku - 5. Bhala izinombolo ezi - 8 ezilandelayo **ngephethini** langaku - 5

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

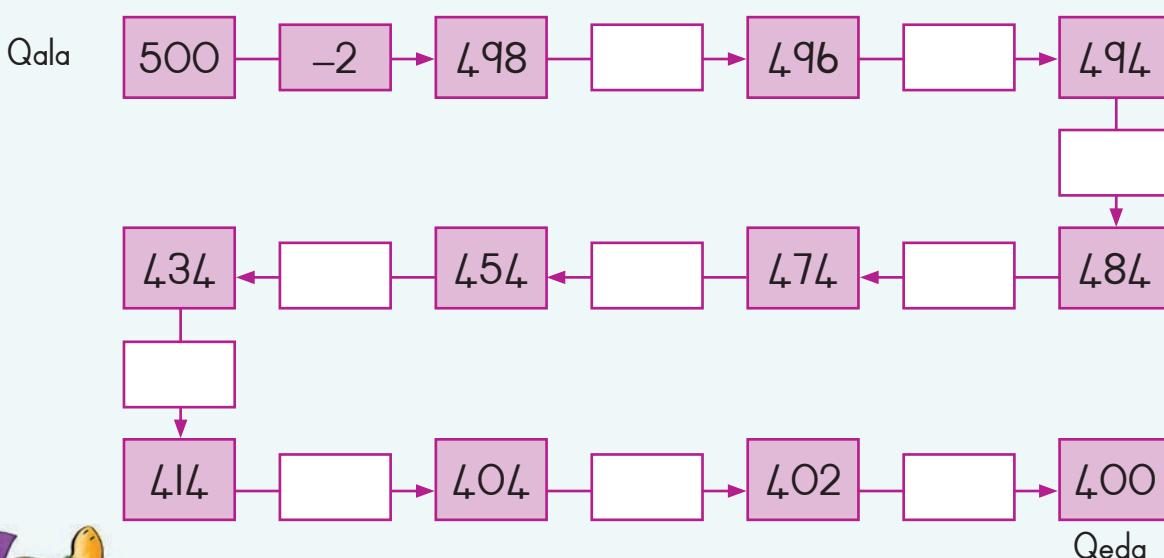


Gcwalisa ngezinombolo ezidinge kayo.

- a. Hlanganisa uqhubeke usukela ema - 400.



- b. Balq uhllehlé usukélé emq.-500.



Ukukhombisa izinombolo. Landela isibonelo.

Thola isamba. Sebenzisa amakhadi ezinombolo ukukhombisa lesi samba nqasinye.

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

398 + 10		
424 + 10		
460 + 20		



46

Usuku:



Ithemu 2

Okunye ngokuhlanganisa nokususa

2 0 0

5 0

4

2 0 0

3 0

5

4 0 0

8 0

9

4 8 9



Uzosebenzisa indlela kaBusi nekaDumi ukuhlanganisa okulandelayo.

a. $245 + 231$

Indlela kaBusi

$$\begin{aligned} &= 200 + 200 + 40 + 30 + 1 \\ &= 400 + 70 + 1 \\ &= 471 \end{aligned}$$



Indlela kaDumi

$$\begin{aligned} &\cancel{2} \cancel{4} \cancel{5} + \cancel{2} \cancel{3} \cancel{1} \\ &= 400 + 70 + 6 \\ &= 471 \end{aligned}$$



b. $278 + 136$

c. $265 + 148$



Sizosebenzisa indlela kaBusi nekaDumi ukususa kulesi sibalo.

a. $476 - 324$

Indlela kaBusi

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



Indlela kaDumi

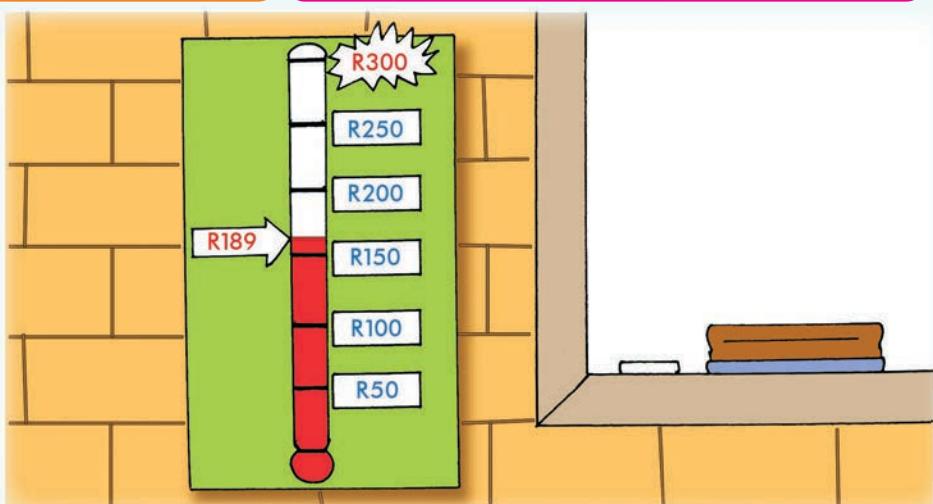
$$\begin{aligned} &\cancel{4} \cancel{7} 6 + \cancel{3} \cancel{2} 4 \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$

b. $489 - 456$

c. $482 - 161$



Ukufinyelela lapho siphokophele khona



Cubungula lesi sithombe.

Kudingeka okungakanani ukufinyelela lapho kuphokophelwe khona.

R



Teacher: _____
Sign: _____
Date: _____

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Usuku:



Cija amakhono akho

Intaba yemfihlo

Ibizwa ngokuthini intaba ephakeme kunazo zonke eGauteng? Sebenzisa ikhodi ukuyithola. Qondanisa impendulo nohlamvu olukukhodi.

A	B	C	D	E	F	G	H	I	J	K	L	M
I	2	3	4	5	6	7	8	9	10	II	I2	I3
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
I4	I5	I6	I7	I8	I9	I20	I21	I22	I23	I24	I25	I26

Ukucebisana ngezinombolo	Impendulo	Uhlamvu
Isibonelo: $2 \times 3 \times 3 \times 1 = \square$	I8	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 lenta ba yi:-



Bheka, cabanga uphendule!

● * ☽ * ● 6 * ☽ * ● 11 * ☽ * ●
1 2 3 4 5 7 8 9 10 12 13 14 15

- a.
- Inombolo 16 yakha siphisi? Faka uphawu (✓) empendulweni efanele. *
- Inombolo 18 yakha siphisi? Faka uphawu (✓) empendulweni efanele. *
- Inombolo 23 yakha siphisi? Faka uphawu (✓) empendulweni efanele. *

- b.
- Inombolo 50 izoba *. yiQiniso noma yiPhutha?
- Inombolo 100 izoba *. yiQiniso noma yiPhutha?
- Inombolo 28 izoba *. yiQiniso noma yiPhutha?



Yikuphi okungaphezulu kokunye?

U-R2,50 ngosuku wemali
yokuzijabulisa ngoJuni nangoJulayi
kumbe u-R150 ngosuku lokuqala ku-
Agasti?

Khombisa ukuthi ufinyelele kanjani
empendulweni.

Hlola. Qhathanisa. Lungisa.

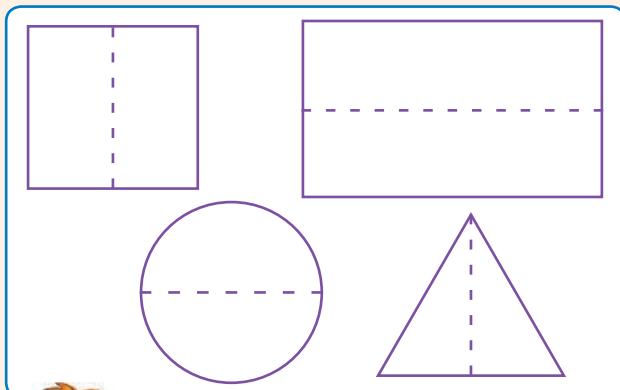


Teacher:
Sign:
Date:



Ukufana nxazombili

Yini eqapheleka ngalezi zimo?

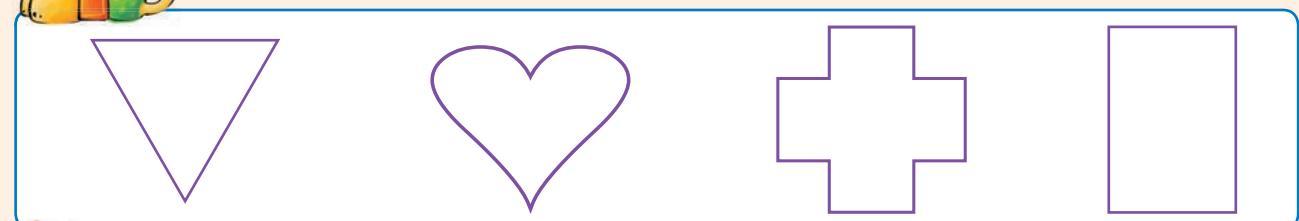


Dweba umugqa ohlukanisa phakathi
isimo ngasinye.

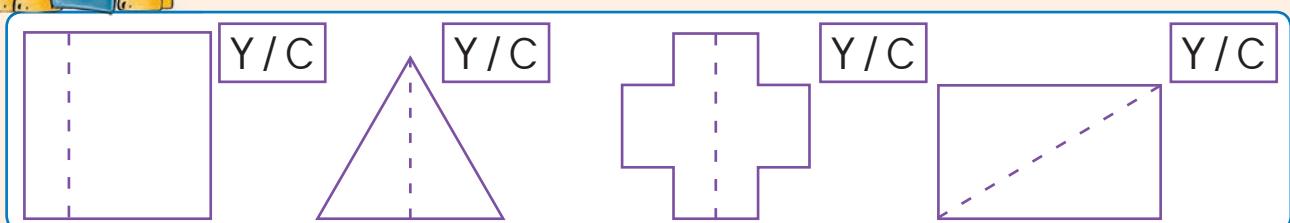


Umugqa ofanisayo uhlukanisa isimo kibili kuthi
izingxenyen ezhilukanisiwe zikhombise ukufana
njengokuzibuka esibukweni.

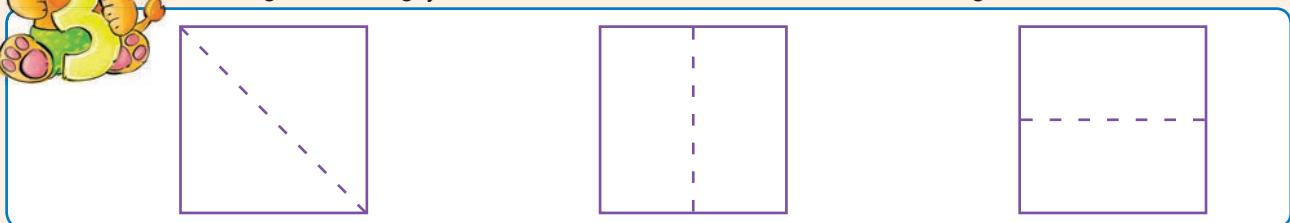
Isimo siba nokufana kuso uma sigoqwa silandele
umugqa ophakathi naphakathi bese kuthi
ohhafu abavela lapho bafane ncimishi.



Ngabe lo mugqa wamachashazi uyikho yini lokhu okuchazwe ngenhla.
Kokelezela (Y) Yebo noma (C) Cha.



Kungabe lo mugqa wakha ohhafu abafana ncimishi? Usho ngani?

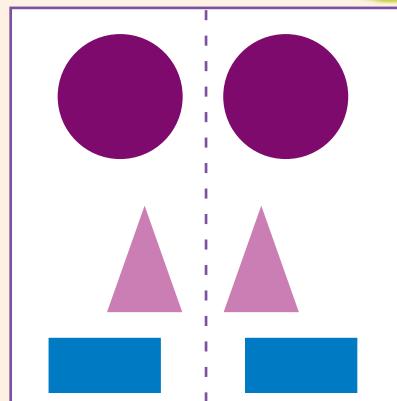




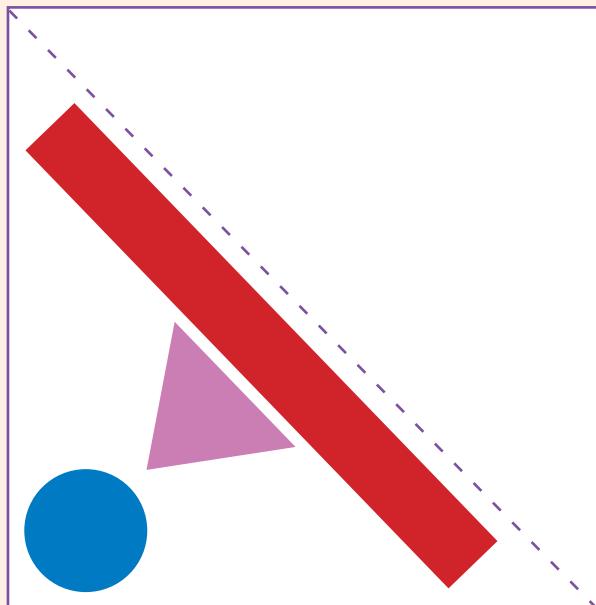
Dweba izimo wenze isithombe sibe nohhafu abafana ncimishi.

Sikwenzele okokuqala.

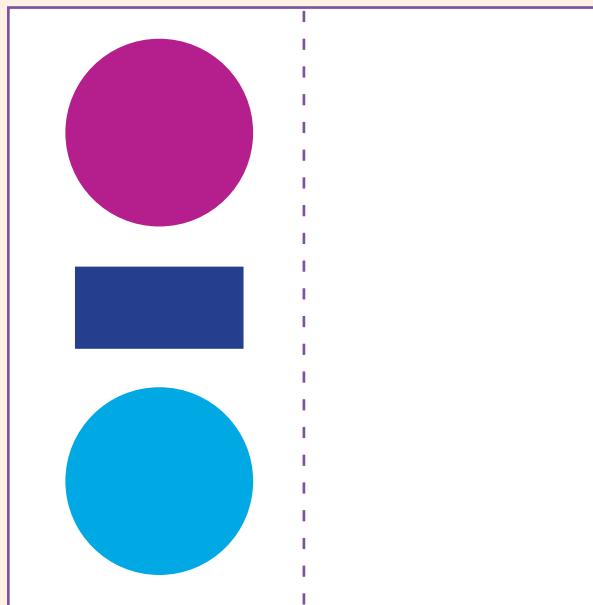
a.



b.



c.



Yenza
ukhaphethi
wakho
usebenzisa lezi
zimo.

Teacher: _____

Sign: _____

Date: _____



49



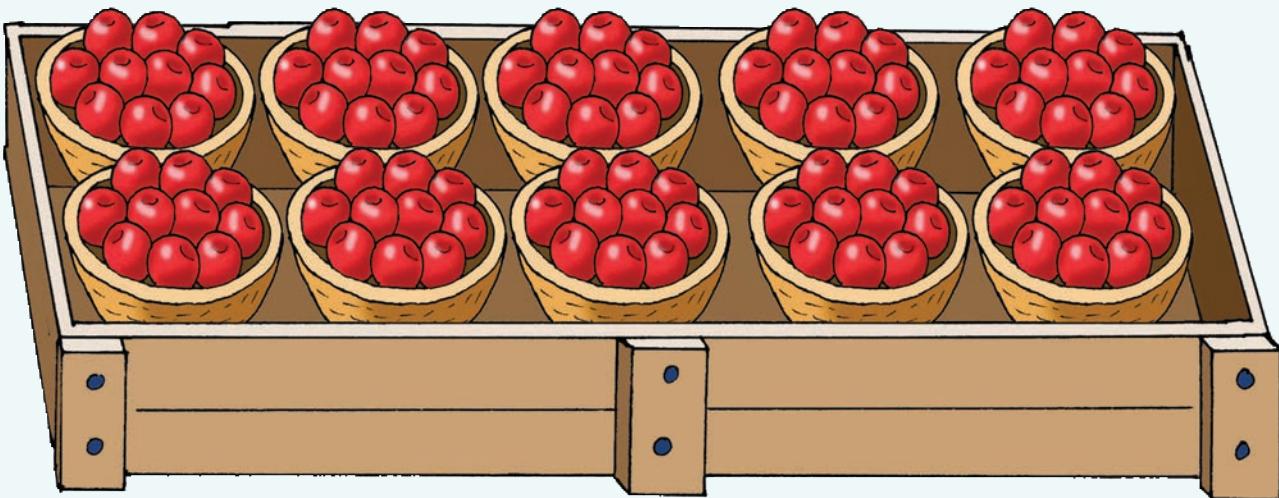
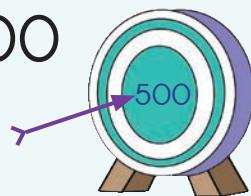
Usuku:

Ithemu 2



Ukwakha ufinyelele ema - 500

Ukubala ama-aphula



Qedela bese uphindaphinda

Ubhasikidi o-1 uphatha ama-aphula a-_____.	$1 \times 10 = 10$
Obhasikidi aba-3 baphatha ama-aphula a-_____.	$3 \times 10 =$
Obhasikidi aba-5 baphatha ama-aphula a-_____.	
Obhasikidi aba-4 baphatha ama-aphula a-_____.	
Obhasikidi aba-2 baphatha ama-aphula a-_____.	

Ibhokisi eli-1 liphatha ama-aphula a-100.	Amabhokisi ama-2 aphatha ama-aphula a-_____.
Amabhokisi ama-3 aphatha ama-aphula a-_____.	Amabhokisi ama-4 aphatha ama-aphula a-_____.
Amabhokisi ama-5 aphatha ama-aphula a-_____.	Ibhokisi eliwuhhafu liphatha ama-aphula a-_____.

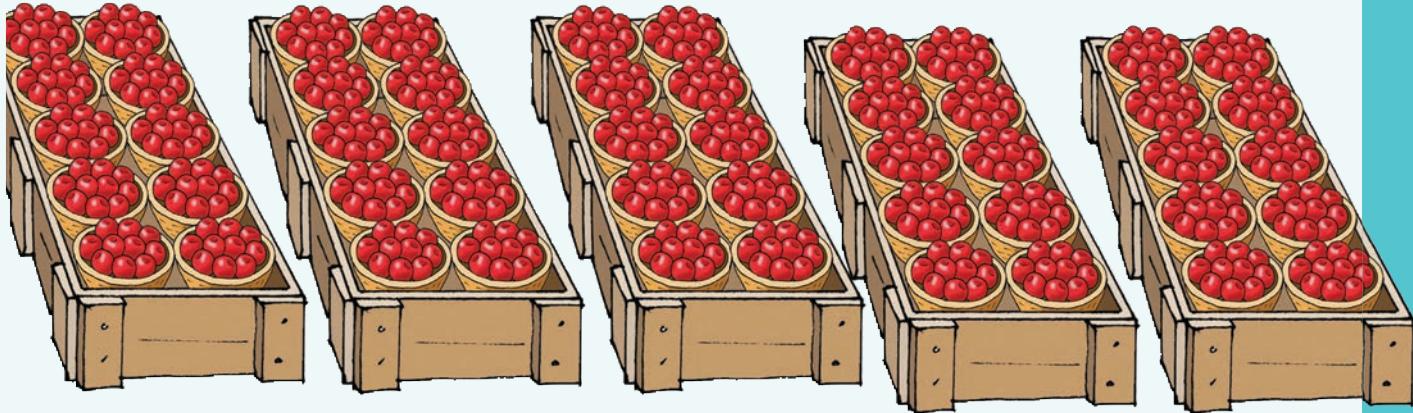


Kunama-aphula ayi-10 kubhasikidi owodwa.

Kunawobhasikidi aba- _____ ebhokisini elilodwa.

Kunama-aphula a- _____ ebhokisini elilodwa.

Mangaki ama-aphula esewonke? _____



Ukubala, ukukhombisa nokubhala

300

40

5

Qala usebenzise amakhadi ezinombolo ukukhombisa isamba ngasinye. Bhala inombolo.

$$3 \text{ amabhokisi } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + 4 \text{ obhasikidi } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + 5 \text{ ama-aphula } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = 345 \text{ ama-aphula}$$

$$4 \text{ amabhokisi } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + 5 \text{ obhasikidi } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + 7 \text{ ama-aphula } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = \underline{\hspace{2cm}} \text{ ama-aphula}$$

$$5 \text{ amabhokisi } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + 2 \text{ obhasikidi } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + 3 \text{ ama-aphula } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = \underline{\hspace{2cm}} \text{ ama-aphula}$$

$$4 \text{ amabhokisi } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + 7 \text{ obhasikidi } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + 2 \text{ ama-aphula } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = \underline{\hspace{2cm}} \text{ ama-aphula}$$



Teacher:

Sign:

Date:

50



Usuku:

Ithemu 2

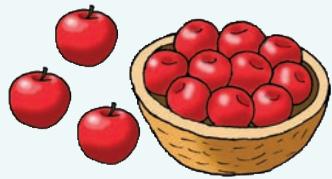
Ukuphindaphinda nokuhlukanisa (10)



Ukubala ama-aphula

Gcwalisa ithebhula.

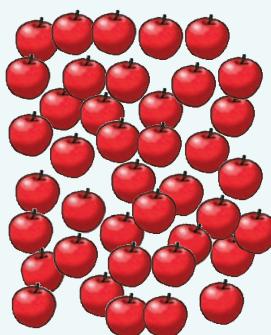
Bangaki obhasikidi abaphethe ama-aphula?



Ama-aphula	10	20	30	40	50
Obhasikidi	1	2			
Isibalo soku- ÷					$50 \div 10 = 5$
Isibalo soku- ×					$5 \times 10 = 50$



Hlukanisela izingane ezimbili ama-aphula. Yenza umdwebo. Bhala isibalo sokuhlukanisa nesokuphindaphinda ukuhlola impendulo yakho.



Hlola izimpendulo zakho.

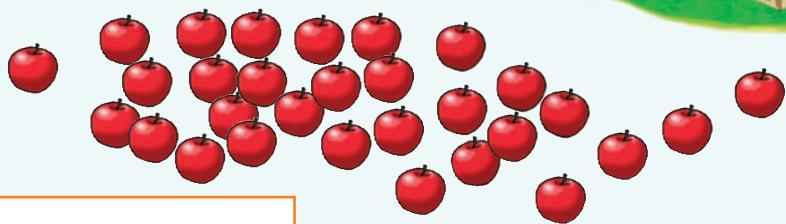
$\square \div \square = \square$

$\square \times \square = \square$





b.



Bhala isibalo soku - \div

Bhala isibalo soku - \times

Hlola izimpendulo
zakho.



Sebenzisa izinombolo zemisho yakho yezinombolo.



Isibonelo

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

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



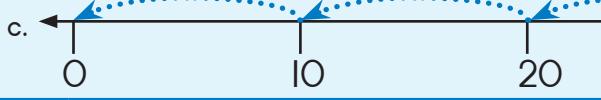
$$\div \quad \boxed{}$$

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



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

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



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

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



Bhala inombolo encane ngokuyi - 10 kodwa enkulu ngokuyi - 10 enombolweni oyinikeziwe.

____, 460, ____

____, 390, ____

____, 500, ____



Teacher:
Sign:

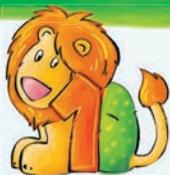
Date:

5|



Usuku:

Ithemu 2



Bala ngaku - 2

Ukubala ngaku - 2 uye phambili ubuye uhlehlle.

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



Ipheya lamaglavu



- Mangaki amapheya amaglavu emgqeni owodwa? _____
- Mangaki amaglavu ahamba ngalinye emgqeni owodwa? _____
- Mingaki imigqa? _____
- Mangaki amaglavu esewonke? _____
- Khombisa ukuthi ukwenze kanjani lokhu.
- Bhala impendulo ibe yimisho yezinombolo.
_____ × _____ = _____



Mangaki amaglavu?

Bhala lokhu ethebhuleni.

a.	Ipheya lamaglavu								
	Inani lamaglavu	2							

b.	Amaglavu ahamba ngalinye	20	21	70	73
	Amapheya enziwe				
	Amaglavu asele kwahamba ngalinye				



Bhala ngakubili

- a. Iyiphi inombolo ephakathi kwalezi?

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

- b. Bhala izinombolo ezimbili ezilandelayo.

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

- c. Bhala izinombolo ezimbili ezilandelayo.

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





Faka amathayela



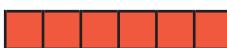
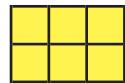
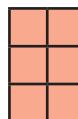
Ukulungisa isivande

UNkk Mabhena unamathayela amahle. Uwafake endaweni ethile esivandeni sakhe.

Unamathayela ayi-6 alinganayo ngobungako kanti ayizikwele.

Ngizowafaka kanjani?



Ngingenza umugqa o-1 ngamathayela ayisi-6.	Ngingenza imigqa emi-2 ngamathayela ama-3 elandelana emgqeni.	Ngingenza imigqa emi-3 ngamathayela ama-2 elandelana emgqeni.
		

$$6 \times 1 = 6$$

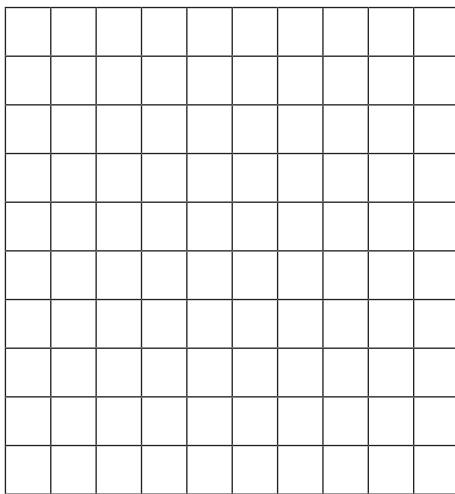
$$3 \times 2 = 6$$

$$2 \times 3 = 6$$

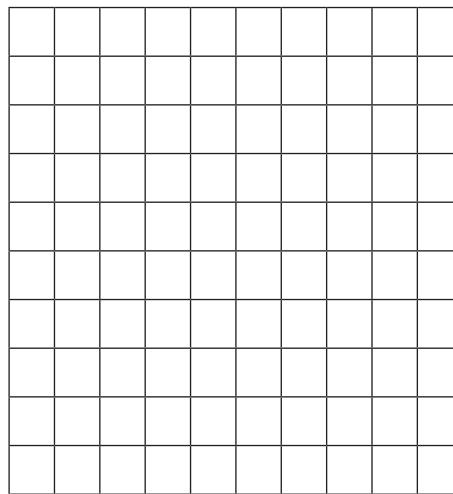
Yithuba lakho manje!

Hlikihla amabhlulokhi ukukhombisa ukuthi ungawahlala kanjani amathayela ayizikwele ayi-8 nayi-9.

Izikwele ezi-8



Izikwele ezi-9



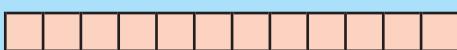
Bhala imisho yezinombolo ngomdwabo ngamunye.



Hlela amathayela ayi-12

UTHabo une-12 lamathayela ayizikwele azokwemboza ngawo indawo azobeka ibhayisikili lakhe kuyo. Msiza ngezindlela angazisebenzisa ukwenza lokhu. Bhala umusho wezinombolo ngenddlela ngayinye.

Isibonelo:



$$1 \times 12 = 12$$

$$12 \times 1 = 12$$



Hlela amathayela angama -24

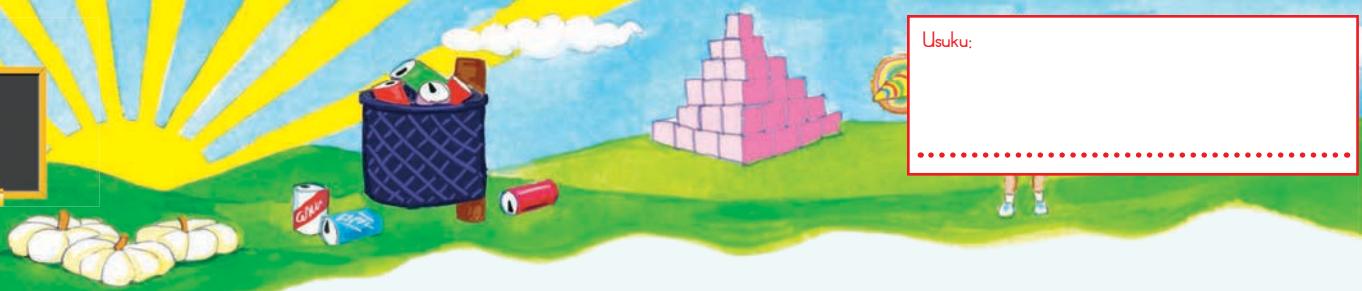
- Sebenzisa igridi Kokusikwayo kwesi-2.
- Hlikihla amabhulokhi angama -24 ngezindlela ezingafani.
- Bhala imisho yezinombolo ukuqondanisa nomdwebo.



Ngiyakwazi 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"/>





Ukusebenzisa okuhlanu

Ukwazi oku - 5

Gcwalisa izimpendulo.

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



Ukubala amakhandlela



- Mangaki **amakhandlela** ebhokisini? _____
- Mangaki **amabhokisi** emgqeni ngamunye? _____
- Mangaki **amakhandlela** ebhokisini ngalinye? _____
- Mangaki **amakhandlela** esephelele? _____



Ukukhombisa impendulo

Faka uphawu (✓) emishweni yezinombolo ekhombisa inani lamakhandlela.

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



Ukubala ngaku-5 uye phambili ubuye uhlehlle.

- 85; _____; _____; 70; _____; _____; 55; _____; _____
- 240; _____; _____; 255; _____; _____; _____; _____; 280
- 405; _____; 395; _____; _____; 380; _____; _____; 365; _____



Ukuqoqa izinhlamvu zemali zama-R5



Abantwana baqoqe zama-R5. Mangaki ama-R5 awuhlweza abadinga ukuwaqoqa ukuze babe nama-R_____? Sikwenzele okubili kokuqala.

$R5 \div R5$ = uhlamvu olu-1	$R10 \div R5$ = izinhlamvu ezi-2	R15? _____	R20? _____	R25? _____
R30? _____	R35? _____	R40? _____	R45? _____	R50? _____

$$2 \times R5 = \boxed{R}$$

$$4 \times R5 = \boxed{R}$$

$$3 \times R5 = \boxed{R}$$

$$6 \times R5 = \boxed{R}$$

Uyalibona iphethini?



Ukuphindaphinda ngoku-5

Isibonelo: I \times 5 = 5; II \times 5 = 10; II \times 5 = 105

Cabanga ngokuhlakanipha! Sebenza ngamaqiniso owaziyo!

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

Teacher:
Sign:
Date:

Izinkinga zeskikhathi



Ligamenxe lesi-5	Iyishumi nanhanlu ngaphambi kwele-	Iyishumi nanhanlu enva kwele-			6:15									

Izinkinga zeskikhathi



a. UQondi uvakshale ujise emtholampio ngo- **15:45**.

Uysuka uyabuya ngo- **17:15**.

Sibe ngakananisikhathi evakashile?



b. UMsusa uya epaki ngo- **10:45**.

Ubuyela ekhaya ngo- **12:30**.

Ubengekho isikhathi esingakanani?



c. Utumi uqde ukutadisha ngo- **13:15**.

Ujede ngo- **14:45**.

Utadishe isikhathi esingakanani?

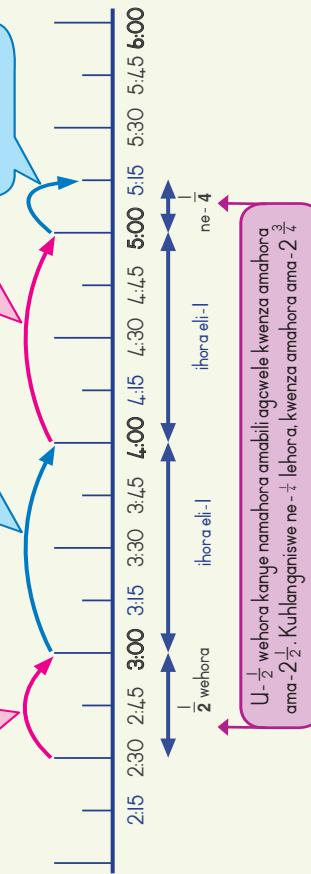
Singasebenzia ibanga
lesikhathi ewashini ukuthola lokhu.
Bekamunwe ku-2:30 p.m.,
okuyisikhathi esikuso manje.

Sekufanele uvele
uqhubeke ngabanga
eli- $\frac{1}{2}$ lehora
ukufungelala ku-5:15.

Uma uqhubekela
phambili naehora
eli-phambili kuzoba ngo-
4:00.

Uma ususa umunwe
uqhubekela phambili
e-12 kuzoba ngo-3:00.

U- $\frac{1}{2}$ wehora kanye namahora amdibili agewe kwenza amdhora
ama- $2\frac{1}{2}$. Kuhlanganiswe ne- $\frac{1}{2}$ lehora, kwenza amdhora ama- $2\frac{3}{4}$

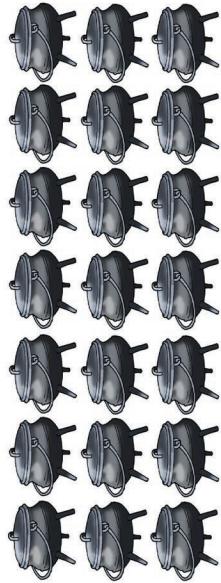


Bala ngaku-3 nangaku-4



Amabhoodwe emilenze emi-3

Hlanganisa bese
ubhoda izimpendulo.



- Mangaki amabhoodwe emqgeni? _____
- Mingaki imilenze emqgeni? _____
- Mingaki imilenze yamatafula? _____
- Mingaki imilenze seuijonke? Khombisa ukuthi ufinyelele kanjani kulokhu.

Bekauphawu (✓) usho ukuthi yimphi imsho yezinombole ekhombisa isamba kule engezansi.
 $21 \times 7 = \boxed{ }$ $3 \times 7 \times 3 = \boxed{ }$ $3 \times 4 \times 2 = \boxed{ }$ $21 \times 3 = \boxed{ }$



Mingaki imilenze?

libhodwe	3 imilenze	10 amabhoodwe	5 imilenze	12 amabhoodwe	14 imilenze
2 amabhoodwe	imilenze	15 amabhoodwe	imilenze	13 amabhoodwe	imilenze
5 amabhoodwe	imilenze	amabhoodwe	imilenze	amabhoodwe	imilenze

Cabanga usheshe.
Cabanga ngokuhlakariphha.

Imilenze yetufula



- Mangaki amatafula emqgeni? _____
- Mingaki imilenze emqgeni? _____
- Mingaki imilenze yamatafula? _____
- Mingaki imilenze seuijonke? Khombisa ukuthi ufinyelele kanjani kulokhu.



Embonini

Umbazi wakha amatafula. Uqala ngemilene.

Usenze imilenze engama-48 okwamanje. Usakhe amatafula amangaki?
Kumele enze imilenze emingaki ifuthi uma efuna ukwengenza getafula eliodwa?



Qedela igridi ngokugewalisa izimpendulo.

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

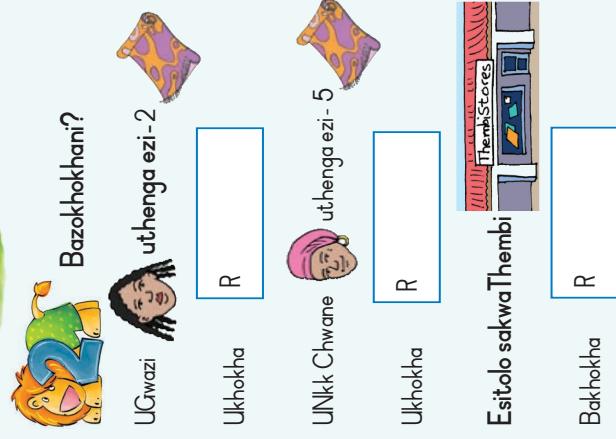
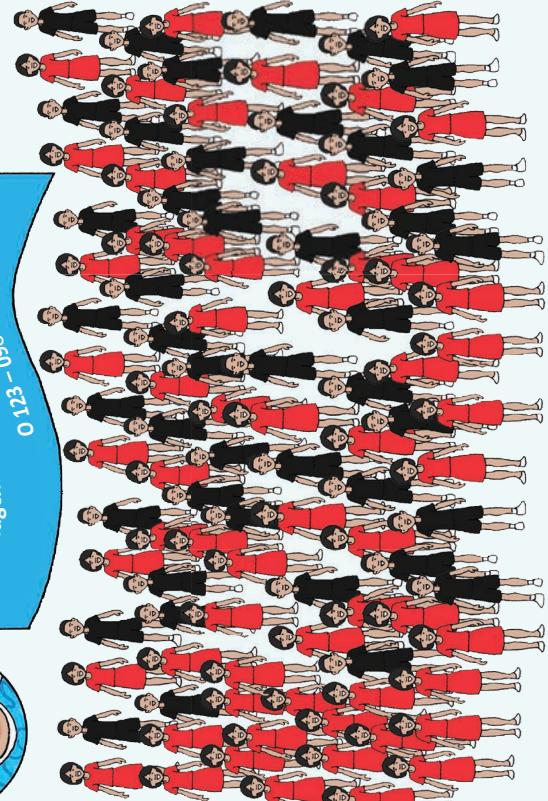
Bala ngaku - 50

Ingubo yokulala eyodwa yengane ngayinje!
Bangaki abantwana? Linganise la bese ubala.



Yethemba.

Ingubo yethemba.
Zama ukugcina izingane zethu zifudumele
0 123 - 098



Ezi-5	ijnye ibiza R50 = R250	Ezi-10	ijnye ibiza R50 = R500
Ezi-4	ijnye ibiza R50 = R _____	Ezi-15	ijnye ibiza R50 = R _____
Ezi-3	ijnye ibiza R50 = R _____	Ezi-6	ijnye ibiza R50 = R _____
Ezi-7	ijnye ibiza R50 = R _____	Ezi-12	ijnye ibiza R50 = R _____
Ezi-8	ijnye ibiza R50 = R _____	Ezi-9	ijnye ibiza R50 = R _____

Bonke abantwana abasesithombeni bathole ingubo yokulala umntwana ngamunye.

Bangaki abantwana abakhona? _____

Linganise	Bala	Qhathonisa

Bangaki ☺ abafana? _____ Mangaki ☺ amantombazane? _____



Kuzothatha isikhathhi esingakanani? Sebenzisa ikhalenda.

Ikasi le Banga lesi-3 liqoqa imali yokuthenga izingubo ezi-4.

Liqoqa R5 ngosuku ezinsukwini ezi-5 zesonto.

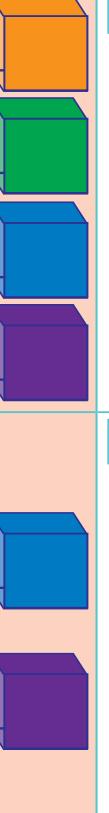
Mangaki amasonso ellividangiago ukudoqo imali yezingubo zokulata?

Amaqhezu: ohhafu namakota

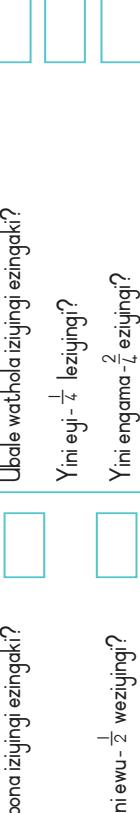
Hukisanis amabholaa ngokulingamago uwidike emabholisini.



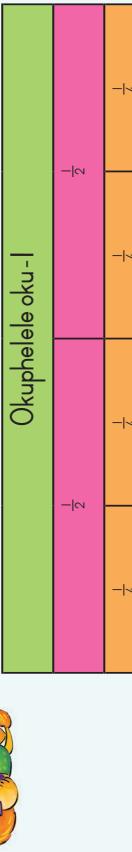
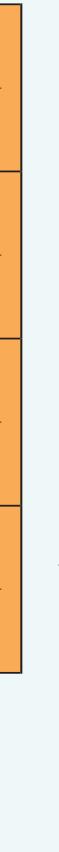
Itihemu 2

 <ul style="list-style-type: none"> Mangaki amabholaa ebhokisini ngalinye? <input type="checkbox"/> Mangaki amabholaa asebhokisini elibukhwебезане? <input type="checkbox"/> Qhezu lini elisebhokisini elibukhwебезане? <input type="checkbox"/> 	 <ul style="list-style-type: none"> Mangaki amabholaa ebhokisini ngalinye? <input type="checkbox"/> Mangaki amabholaa ebhokisini elibukhwебезане? <input type="checkbox"/> Qhezu lini elisebhokisini elibukhwебезане? <input type="checkbox"/>
--	--

Bukaiithombe bese uphendula imibuzo.

 <p>Ubona izijingi ezingak?</p> <p>Yini eyi - $\frac{1}{4}$ lezijingi? Yini engama - $\frac{2}{4}$ ezijingi? Yini engama - $\frac{3}{4}$ ezijingi? Yini engama - $\frac{4}{4}$ ezijingi?</p>	 <p>Ubale wathola izijingi ezingak?</p> <p>Yini eyi - $\frac{1}{4}$ lezijingi? Yini engama - $\frac{2}{4}$ ezijingi? Yini engama - $\frac{3}{4}$ ezijingi? Yini engama - $\frac{4}{4}$ ezijingi?</p>
--	---

 <p>Faka umbala ku - $\frac{1}{2}$ wesimo ngasinye.</p>	 <p>Faka umbala e - $\frac{1}{4}$ lesimo ngasinye.</p>	 <p>Faka umbala ema - $\frac{2}{4}$ esimo ngasinye.</p>	 <p>Faka umbala ema - $\frac{3}{4}$ esimo ngasinye.</p>
--	---	--	--

 <p>Buka amaqhezu</p>	 <p>Okuphelele oku - I</p>	 <p>Okuphelele oku - II</p>
---	---	---

a. Mangaki amakota ($\frac{1}{4}$) enza uhhafu?

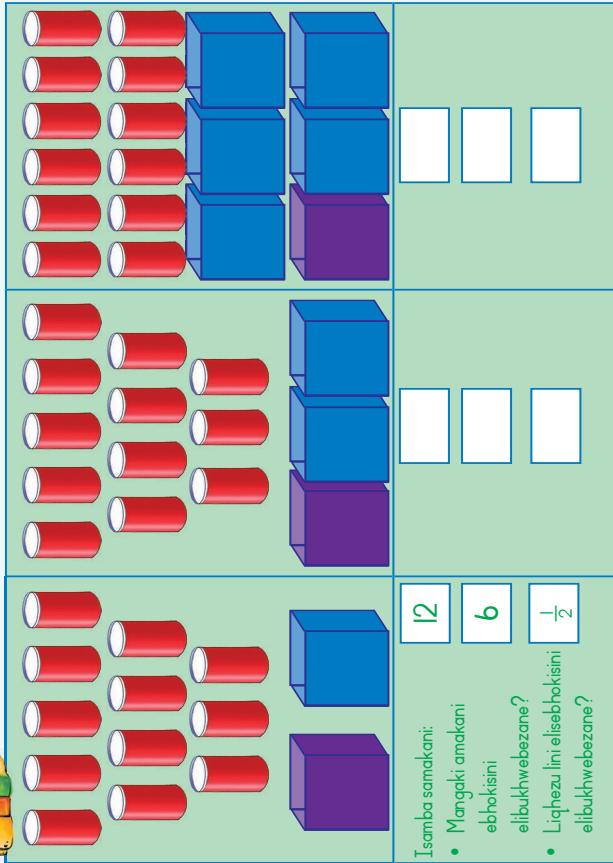
Mangaki amakota ($\frac{1}{4}$) enza okuphele?

b. Buka umdwebo bese ubhalaiqhezu lendawo enombal.

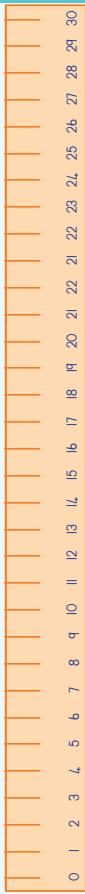
c. Yilphi iqhezu elikhulu, u - $\frac{1}{2}$ nomai - $\frac{1}{4}$?

Amaqhezu: ohhafu, okwesithathu, okwesithupha

Hlukanisa amakanī (amasilinda) ngokulinganayo uwafake emabbokisini.

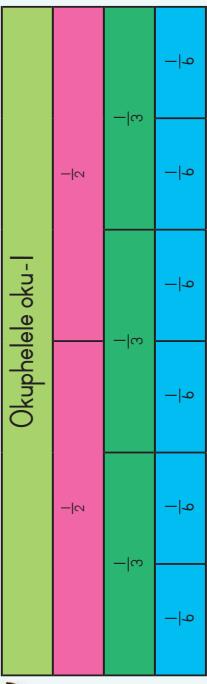


Itihemu 2



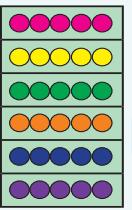
- Khomisia uhhafu wobude berula. Ullingana nama- ____ cm
- Khomisia okukadwa kokuthathu ebudenī berula. Kulingana nama- ____ cm
- Khomisia okukadwa kokuyisithupha ebudenī berula. Kulingana nama- ____ cm

Buka la maghezu. Qedela imisho.



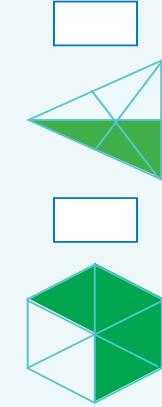
- Ohhafu kokuphelele ba- ____
- Okwesithathu kokuphelele ku- ____
- Okwesithupha kokuphelele ku- ____
- Okwesithupha kuhhafu ku- ____
- Okwesithupha kokwestithathu ku- ____

Bhalaiqhezu lendawo enombala.



Kokelezelia iqhezu elikhulu kunelelye.

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



- Yini oku- $\frac{1}{6}$ kweziyiqi?
 Yini oku- $\frac{2}{6}$ kweziyiqi?
 Yini oku- $\frac{3}{6}$ kweziyiqi?
 Yini oku- $\frac{4}{6}$ kweziyiqi?
 Yini oku- $\frac{5}{6}$ kweziyiqi?

- Yini oku- $\frac{1}{3}$ kweziyiqi?
 Yini oku- $\frac{2}{3}$ kweziyiqi?
 Yini oku- $\frac{3}{3}$ kweziyiqi?
 Yini oku- $\frac{4}{3}$ kweziyiqi?

Yini oku- $\frac{1}{2}$ kweziyiqi?

Teacher:
Sign:
Date:

Amaqhezu: okwesihlanu

Hlukanisa amakanani uwafake emabkhokisini ama-5.



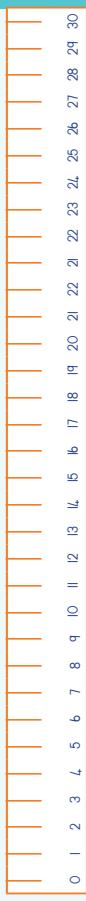
Itthemu 2

Usuku:



Faka umbda oku- $\frac{1}{5}$ kwsilinganiso serula.

a.



• Oku- $\frac{1}{5}$ kwamabkhokisi ngamakanani a-

• Oku- $\frac{2}{5}$ kwamabkhokisi ngamakanani a-

• Oku- $\frac{3}{5}$ kwamabkhokisi ngamakanani a-

• Oku- $\frac{4}{5}$ kwamabkhokisi ngamakanani a-

• Oku- $\frac{5}{5}$ kwamabkhokisi ngamakanani a-

b.

Buka isithombe bese uphendula imibuzo.



Buka isithombe bese uphendula imibuzo.



Bangaki oshokoledi ebhokisini?



• Okukodwa kokuhlanu - ngosho koledi aba-



• Okubili kokuhlanu - ngosho koledi aba-



• Okuthathu kokuhlanu - ngosho koledi aba-



• Okune kokuhlanu - ngosho koledi aba-



• Okuhlanu kokuhlanu - ngosho koledi aba-

Kokelezelia okukhulu noma okuncane.

a. U- $\frac{1}{2}$ mkhulu/mncane kune- $\frac{1}{L}$.

b. Oku- $\frac{1}{3}$ kukhulu/kuncane kuno- $\frac{1}{2}$.

c. Oku- $\frac{1}{5}$ kukhulu/kuncane kunoku- $\frac{1}{3}$.

d. Oku- $\frac{1}{6}$ kukhulu/kuncane kunoku- $\frac{1}{6}$.

e. Oku- $\frac{3}{6}$ kukhulu/kuncane kunoku- $\frac{2}{3}$.

Teacher:
Sign:

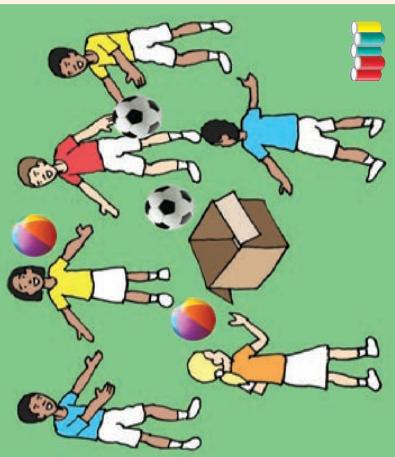
Date:

Onhangothi-ntathu

Bala amabbhokisi (amabbhokisi).

Bala amabbhola (izindilinga).

Bala amaslinha.

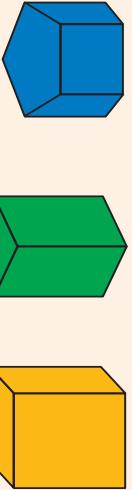


Ithemu 2

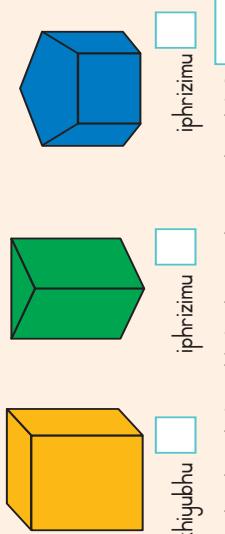


Wonke lana ngamabbhokisi

Sebenzisa Okusikwayo kwesi-3 nokwesi-4 ukuwenza.



Indowo ejiscicaba ivame ukubizwa ngobuso. Namathisela noma udwebee ubuso
ebuswentiingabunye obutholdakele.
Bungaki ubuso obunathiseli:



ikhigubhu iphrizimu Ngabe ubuso balada mdbhokisi bujisicaba noma bugobile?

Yakhha isilinda ngoKusikwayo 4.
Ngabe ubuso besilinda bujisicaba noma bugobile?

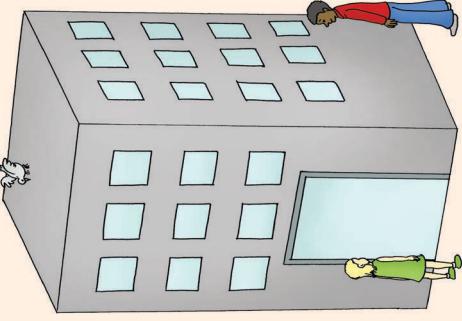


Sebenzisa ezakhoo izinto ukwakha lokhu okulandelayo:
Chaza indawo lapho kumi khona isilinda usebenzisa amagama.

eceleni ngaphambili ngaphezulu



Sebenzisa amagama angezansi ukuqedela imisho.



Intombazana isivellele _____ isidhiwo.

Indoda iveli _____ kwasakhiwo.

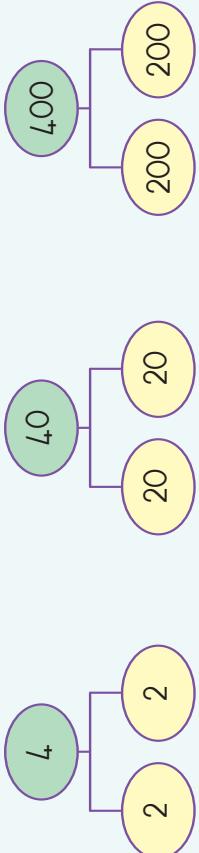
Ingani ibuka isakhiwo isivellele _____.
eceleni ngaphambili ngaphezulu

Ukuphindā kibili nawohhafu

Ithemu 2

Usakhumbula? Oku-2 wuhhafu woku-4
 Oku-4 kungoku-2 okuphindwe kabili
 Oku-200 wuhhafu woku-400 Okungama-40 ngokungama-20 okuphindwe kabili
 Oku-200 wuhhafu woku-400 Okungama-400 ngokungama-200 okuphindwe kabili

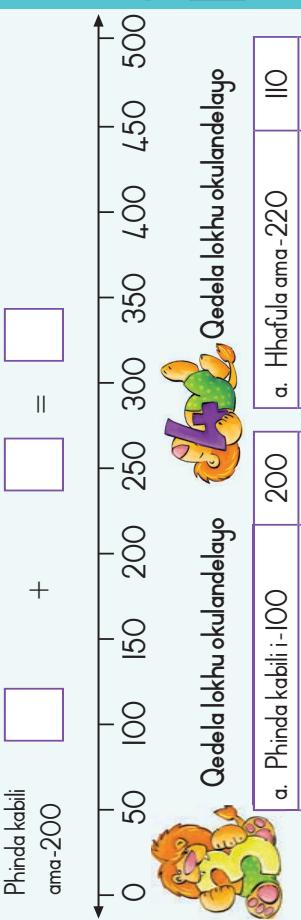
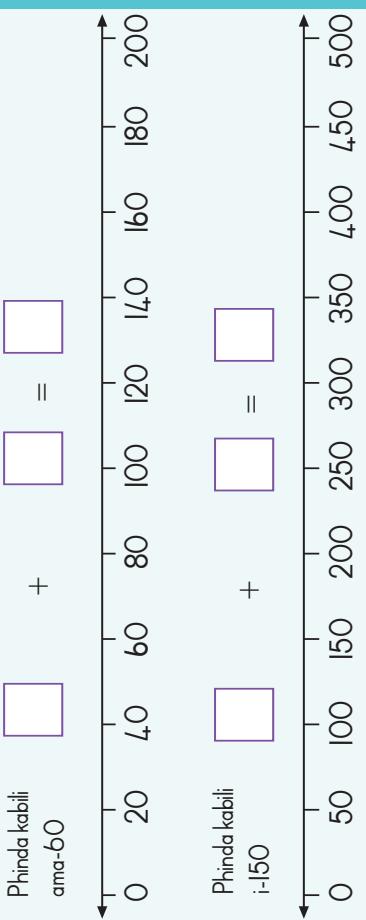
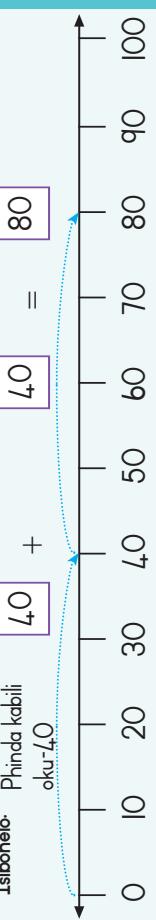
Khumbulal Singakukhombisa ngomdwebo lokhu ...



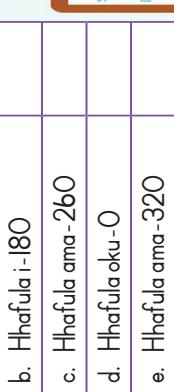
Masithole ohhafu



Phinda kabilii nombolo uselbenzise umugqa wezinombolo.
 Senziwe isibonelo kokokuqala.



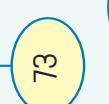
<input type="checkbox"/>	Phinda kabilii i-100	+	<input type="checkbox"/> =
<input type="checkbox"/>	Phinda kabilii i-180	+	<input type="checkbox"/> =
<input type="checkbox"/>	Phinda kabilii ama-200	+	<input type="checkbox"/> =
<input type="checkbox"/>	Phinda kabilii ama-220	+	<input type="checkbox"/> =
<input type="checkbox"/>	Phinda kabilii ama-260	+	<input type="checkbox"/> =
<input type="checkbox"/>	Phinda kabilii oku-0	+	<input type="checkbox"/> =
<input type="checkbox"/>	Phinda kabilii oku-170	+	<input type="checkbox"/> =



Teacher:
 Sign: _____
 Date: _____

Okunye ukuphindaka kibili nokwenza ohhafu

Ukuthola okuphindwe kibili noma ohhafu

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

Ukongela ibhajisikili

U-Akar wonga ama R25 ngesonto ukuze athenge ibhajisikili. Kumele at hathe amasonto amangaki onga?

Impendulo: amasonto.

Indali

Zonke izinto zisendalini zithengisa ngamanani awohhafu
Bhalanani lenthengo entweni ngajinje.

- a.  Zokulala RI90
Intengo _____
- b.  Amashidi RI54
Intengo _____
- c.  Imicamelo R54
Intengo _____
- d.  Lihlalo R220
Intengo _____

Indali R450

Inani elinguuhafu:
belingama-R900



Mangaki amarandi?

UMusua ufuno ihembe. Uhemali ewuhhafu wenari lalo. Malini adinga ukuyengeza? R _____



R35

Izicathulo zika-Adkar zibiza ngokuphindwe kabili kulezi.
Zibiza malini-k-e izicathulo zika-Adkar? R _____



R78,50

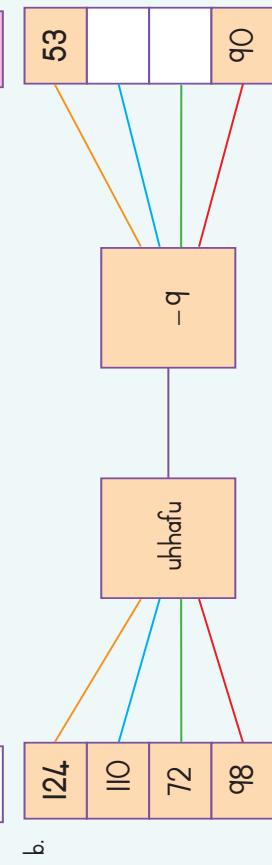
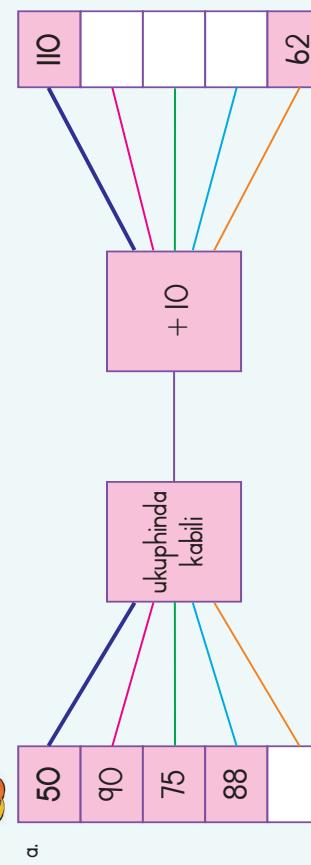
Uphindu ufuno ingubo yenani lalena eliphindwe kabili. Malini azoujikhokha uPhindingengubo? R _____



R97

Yini engenayo? Yini ephumayo?

Landela isibonelo. Gcwalis angeszinombolo ezingekho.

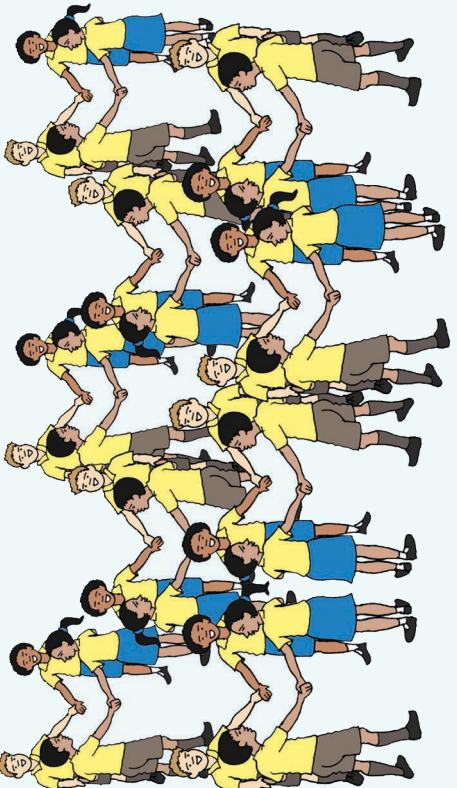


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Yenza amaqoqo uphinde uhlanganise

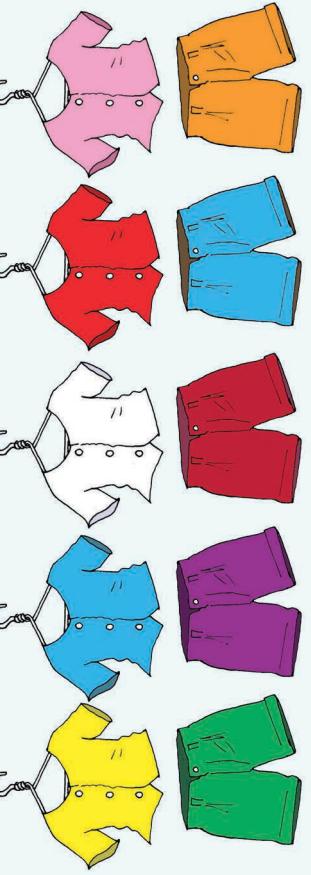
Ukwenza amaqembu abantwana besikole

UNkk Ndaba ufunu ukubahlukanisa babe ngamaqembu dlinganayo ukuze badlale kahle. Uqala ngokubofafika emaqenjini ama -4.



- Bala abantwana?
- Bangamaqembu amangaki?
- Khombisa zonke ezinu izindella ezingasetshenziswa ukubenza amaqembu.

Hola. Qhathanisa.
Lungisa.



Zingakiizingubo zokugqoka?

Up Hindi unamahembe ama -5 anemibala kanye nezikhindi exi -5 ezinemibala.

Zingakiizingubo zokugqoka ezingafani angazakha esebeenzisa inhangansela yale mibala?

Ishoneko: ihembe elisasi bhakkabha ka/izikhindi ezisasi bhakkabha kumbe ihembe elisasi bhakkabha ka/izikhindi eziwolintshi.

Bhalau umbalangamunye



Itthemu 2

Make ulinganise: Kungzenekani uma uPhindi enamahembe aji -6 amibaldala kanye nezikhindi eziyisi -6?

Angenzaizinto ezingaki zokugqoka?

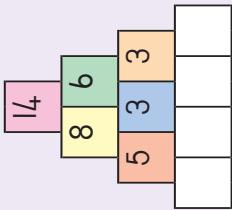
Hola. Qhathanisa.
Lungisa.

Teacher:
Sign:
Date:

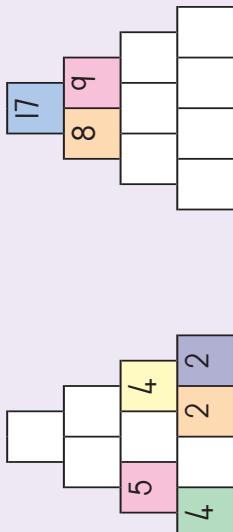
Masiddale ngezibalo

Thala umthetho

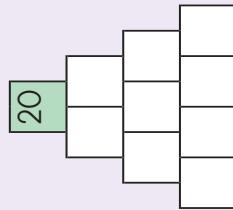
Sebenzisa umthetho ukuthola izinombolo ezicashile.



Yenza okhu-ke marje.



Yakha o -20 ngezindela ezi -3 ezingafani.



Sebenzisa izinombolo 1, 2, 3, 4 no -5.
Izinombolo ezi -3 emqeneni ngamunye kumele zihlangane
zenze i -10.

Umthetho: Inombolo ngayinte yisebenzise kanye.

Ukuthola izinombolo

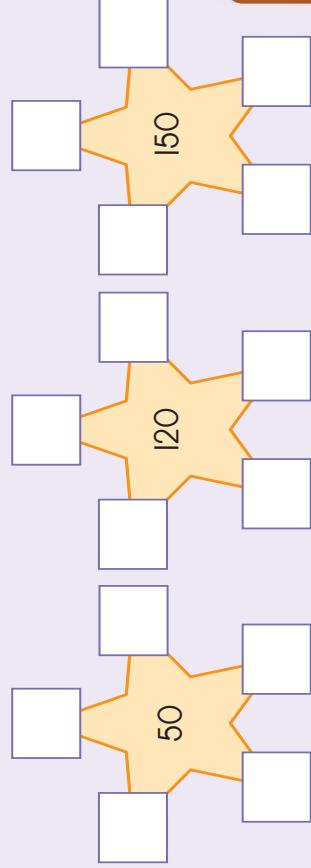
a. Umthetho: Izinombolo emqeneni ngamunye kumele zihlangane zakhe isamba se -1b.

2	5	3	6
			2
			2

b. Umthetho: Izinombolo ezi -3 emqeneni kanye nezehla ngamakholamu, zihlangana zakhe isamba esifanayo.

2	7	6	
q		1	
	3	8	

c. Umthetho: Bhala nomaya ziphi izinombolo ezi -5 ezihlangana zenze inombolo ephakathi nendawo enkanyezini.



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

