



UKKz. Angie Motshekga,
nguNqgonqgotjhe
wezeFundo-Sisekelo



UNom. Enver Surty,
nguSekela kaNqgonqgotjhe
wezeFundo-Sisekelo

Iincwadi lezi zenzelwe abentwana beSewula Afrika ngaphasi koburholi bakaNqgonqgotjhe wezeFundo-Sisekelo. uMma u-Angie Motshekga, kanye neSekela lakNqgonqgotjhe wezeFundo-Sisekelo. uNom. Enver Surty.

Iincwadi zokuSebenzela zakwaRainbow ziyingceny yeendlela ezinengi zomNyango wezeFundo-Sisekelo wokungelela onqopho ukuthuthukisa ukusebenza ngcono kwabafundi beSewula Afrika kumagreyidi wokuthoma asithandathu. Njengamanye wamaHlelo womBuso aphuma phambili, iprojekthi le isekelwe ngeemali ezibuya esiKhwameni seeMali seLizweloke. Lokhu kusize umNyango ukukhupha iincwadi zokusebenzela lezi ngawo woke amalimi asemthethweni ngaphandle kweendleko. Siyathemba kobana nizokufunyana iincwadi zokusebenzela lezi zilisizo khulu ekufundiseni kwenu kwangamalanga kanye nokuqinisekisa kobana abafundi benu bayayiqeda ikharikyulamu.

Sitjheje khudlwana ukuhlahla abotitjhere komunye nomunye umsebenzi ngokusebenzia iinthombe ezitjengisako bona ngikuphi umfundsi amele akwenze.

Siyathemba kobana abentwana bazokuthabela ukusebenzisa iincwadi lezi njengombana bakhula bebefunda nje, begodu wena titjhere uzokwabelana nabo ithabo lokufunda. Sinifisela ipumelelo ekusebenziseni iincwadi lezi.

ISBN 978-1-4315-0008-6



MATHEMATICS IN ISINDEBELE

GRADE 3 – BOOK 1

TERMS 1 & 2

ISBN 978-1-4315-0008-6

**THIS BOOK MAY
NOT BE SOLD.**

Published by the Department of Basic Education
222 Struben Street

Pretoria
South Africa

© Department of Basic Education
Fifth edition 2015

Author team: Smith, P., Blom, L., Aitchison, J.J.W.

The Department of Basic Education has made every effort to trace copyright holders but if any have been inadvertently overlooked, the Department will be pleased to make the necessary arrangements at the first opportunity.



ISBN 978-1-4315-0008-6

IIMBALO NGESINDEBELE – IGreyidi 3 Incwadi |



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA



IMBALO NGESINDEBELE

Incwadi 1
Ithemu 1&2

Okumumethweko

Inomboro	Isihloko	Ikhasi
1	Balisisa, hlela bewutjengise!	2
2	Ukubala okuhlanaphileko	4
3a	Iinomboro phezu kwebhordo lamakhulu	6
3b	Iinomboro phezu kwebhordo lamakhulu (ziragela phambili)	8
4	Ubukhulu bedijidi	10
5	Ukuhlanganisa nokukhupha	12
6	Ukubuyelela kabilo nokuhafula	14
7	Amacezu	16
8	Ukuhlela imali	18
9	Amaphetheni	20
10	Iimbholo, amabhoksi kanye namasilinda	22
II	Gwala, nikela bewumadanise amabumbeko amajamo we- 2D	24
I2	Siyakhamba isikhathi	26
I3	Ukulinganisa ubude	28
I4	Umthamo	30
I5	Ukusebenza ngobudisi	32
I6	Ukusebenza ngemininingwana	34
I7	Madanisa bewuhlele iinomboro	36
I8	Ubukhulu beenomboro ukuya kuma-99	38
I9	Ukubeka amatjhumi ndawonye lokha nasihlanganisa ukuya ema-99	40
20a	Hlanganisa kunambalayini	42
20b	Hlanganisa kunambalayini (kuragela phambili)	44
21a	Ukukhupha ngenambalayini	46
21b	Ukukhupha ngenambalayini (kuragela phambili)	48
22	Sikhathi sephathi	50
23	Bala bewufike ku-200	52
24	Zjayeze ngaku-5	54
25a	Bala ngaku-2	56
25b	Bala ngaku-2 (kuragela phambili)	58
26	Imali kade nanje	60
27	Bala ngaku thathu	62
28	Ngikuphi okuza ngaku-4?	64
29	Amaphetheni ngeenomboro	66
30a	Ukwelukanisa	68
30b	Ukwelukanisa (kuragela phambili)	70
31	Amacezu	72
32	Sekusikhathi	74

Inomboro	Isihloko	Ikhasi
33	Kunqotjhwe kuma-200	76
34	Ukusebenza ngamabutheleleo weenomboro	78
35a	Ukubeka amatjhumi ndawonye nokuwahlukanisa	80
35b	Ukubeka amatjhumi ndawonye nokuwahlukanisa (kuragela phambili)	82
36	Ukuvakatjhela udonhodera wamazinyo	84
37a	Hlanganisa	86
37b	Hlanganisa (kuragela phambili)	88
38	Rarulula!	90
39	Bala bewubalisise	92
40	Ukumeda ngamasenthimitha	94
41	Kunqotjhwe kuma-300	96
42	Ukuhlanganisa kanye nokukhupha ngama-100	98
43	Kunqotjhwe kuma-400	100
44	Ukukala	102
45	Kunqotjhwe kuma-500	104
46	Okhunye ukuhlanganisa kanye nokukhupha	106
47	Lola amakghono wakho	108
48	Ukufana nca zoke/isimethri	110
49	Ukwakha bewufike kuma-500	112
50	Ukubuyabuyelela nokuhukanisa (ngokuli-10)	114
58	Ukubala ngaku-2	116
52	Ukupheyiva ngamathayilisi	118
53	Usebenzise abokuhlanu	120
54	Ukusebenza ngesikhathi	122
55	Bala ngaku-3 nangaku-4	124
56	Ukubala ngama-50	126
57	Amacezu: abohafu kanye namakota	128
58	Amacezu: abohafu, kanye kokuthathu kanye nokukodwa kokwesithandathu	130
59	Amacezu: Kune kokuhanu	132
60	Izinto ezima-3D	134
68	Ukubuyelela kabilo nokuhafula	136
62	Okhunye ukubuyelela kabilo nokuhafula	138
63	Ukuhlela ngokweenqhemu nokuhlanganisa	140
64	Ukuzithokozisa ngezibalo	142
	Abosika 1	
	Abosika 2	



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



IGreyidi

3



i m b a i o

NGESINDEBELE

Incwadi le ngeyaka:



ISINDEBELE

Incwadi

I



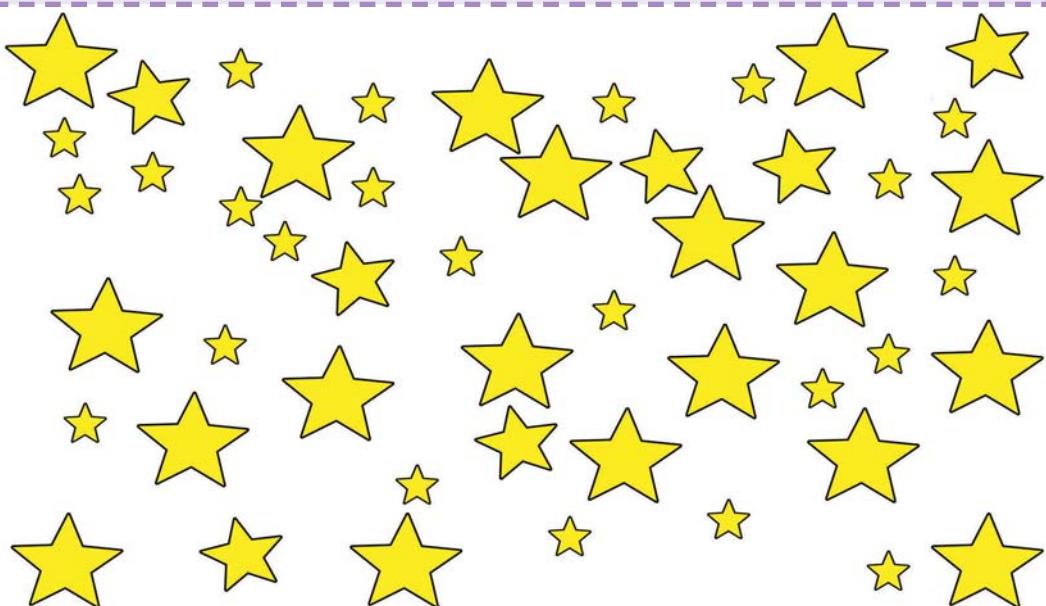
Balisisa, hlela bewutjengise!



Ziinkwekwezi ezingaki?

Ilanga:

Madanisa iimpendulo.



Linganisa kobana ziinkwekwezi ezingaki. _____

Kwanjesi zibale! _____



Thola othumbileko!

Ngubani olinganise kuhle khulu?

Zalisa amabizo wakho neependulo etheyibuleni le.

Ibizo				
Isilinganiso				
Inomboro ebaliweko				
Umehluko hlangana nesilinganiso sakho nokubala kwakho				



Iindlela zokubala. Sisiza ukuzitlola.



Ngibale
ngaku-1.



I, 2, 3, _____

Ngibale
ngaku-2.



2 _____



Ngibale
ngaku-5.



5 _____

Ngibale
nge-10.





Tlola iinomboro zemitjho

Tlola imitjho emibili ukunikela ithothali yesibalo seenkwekwezi ezikulu nezincani ezisekasini le-2. Zitlole ngeendlela ezimbili.

Lokha nawuhlanganisa
iinomboro ezinye nezinye
ezimbili akwenzi litho kobana
zilandelana njani.

Ekulu Encani Ngendlela le

namkha ngendlela le

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

godu njengenomboro yomutjho.

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

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

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



Teacher:
Sign:

Date:

2



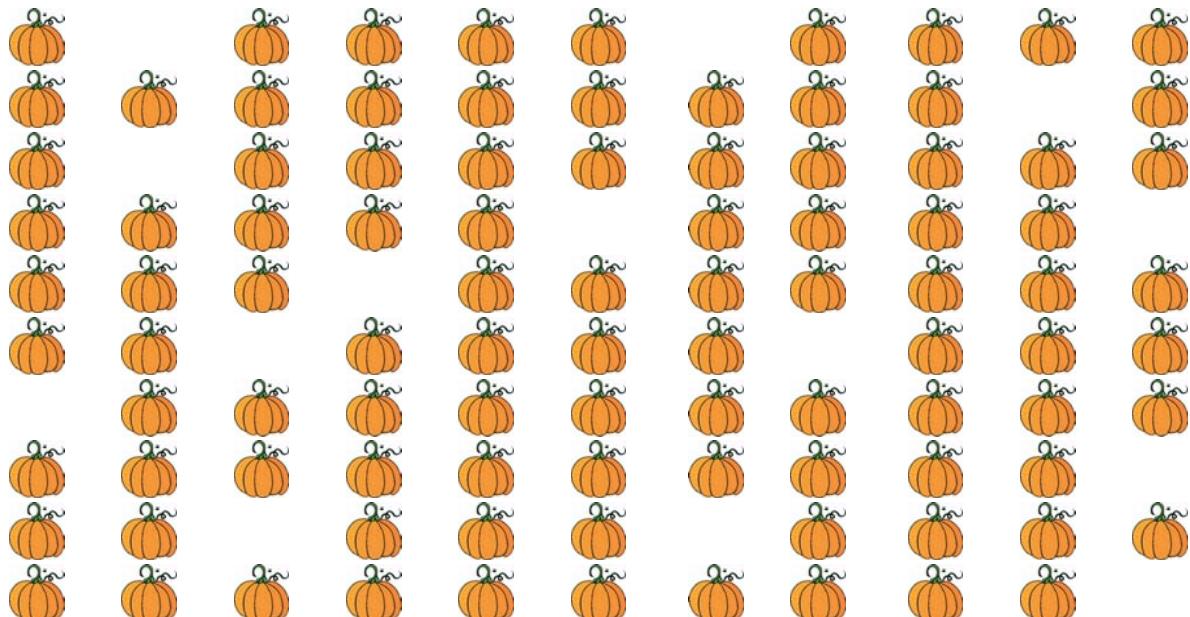
Ukubala okuhlakaniphileko

Ilanga:



Bala amathanga

Fumana indlela elula yokuwabala.



Ipendulo: _____



Paka amathanga

Amathanga alitjhumi angena ngemgodleni munye.



Mingaki imigodla? _____

Kusele amathanga amangaki? _____

Kutlhogeka amathanga amangaki ukuzaliselela umgodla owodwa ngaphezulu? _____



Kusukela ku- + ukuya ku- ×
 (ukuhlanganisa ukuya ekubuyabuyeléleni)
 Zaliselela iinomboro zomutjho.

Izibonelo:

$$10 + 10 + 10 + 10 = 40 \Rightarrow 4 \text{ eginengi ezili-}10 = 40 \Rightarrow 4 \times 10 = 40$$



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

$$\underline{\hspace{2cm}} \text{ ngeenqhemma ze-}10 = \underline{\hspace{2cm}} \Rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



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

$$\underline{\hspace{2cm}} \text{ ngeenqhemma ze-}10 = \underline{\hspace{2cm}} \Rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



Izandla nemino



Izandla ezingaki? _____

Imino emingaki? _____

Tlola ipendulo yakho ngeendlela ezi-2.

$$\underline{\hspace{2cm}} \text{ ngeenqhemma ze-}10 = \underline{\hspace{2cm}} \text{ begodu } \underline{\hspace{2cm}} \times 10 = \underline{\hspace{2cm}}$$



Teacher: _____
 Sign: _____
 Date: _____

3a



Ilanga:

Ithemu I



Iinomboro phezu kwebhordo lamakhulu

Iinomboro ezikhulumako

Bala bewutjho zoke iinomboro kusukela ku-l – 100. Khomba nawulokhu ukhamba.

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



- Tlola iinomboro etlhayelako ngebhlogweni ngalinye elihlaza kwesibhakabhaka.
- Tlola ngaphakathi kwezinye iinomboro.
- Sizibiza ngaliphi iinomboro ezisarulani?



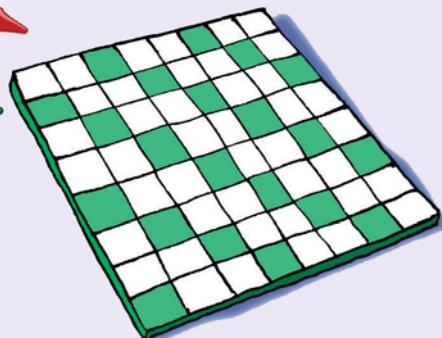
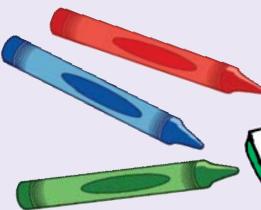
Tlola iinomboro ngamagama

90	amatjhumi athobako	41	
77		56	
14		65	



Ukubala nokukhalara

Lungela ukubala umbala!



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

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

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

Bala begodu
uvale ama-10.

Bala ngokuvala abo-5
kusukela ku-O ukuya
e-100.

Bala bewuvale aba-2.

Bala ngama-10 kusukela
ku-10 ukuya e-100.

Bala ngaku-5 kusukela
ku-5 ukuya e-100.

Bala ngaku-2 kusukela
ku-2 ukuya e-100.

Tlola ama-10
ukuya e-100.

Tlola ngaku-5
ukuya ema-80.

Tlola ku-2
ukuya ema-100.



Teacher:
Sign:

Date:

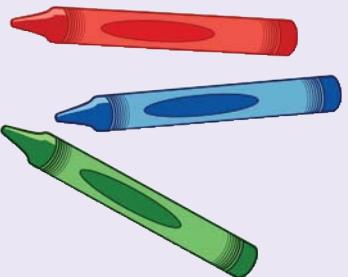


Iinomboro phezu kwebhordo lamakhulu (ziragela phambili)



Qala amaphetheni

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



Thikha (✓) woke ama-10.

Tshwaya koke (X)
okungaku-5 ngokubeka
isiphambano.

Ndulungela (O) koke
okungaku-2.

Tlola iinomboro ezimaphetheni wangaku-2 nezingaku-5.



Amaphetheni wokubala

Zalisa iinomboro ezithayelako.

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:

4



Ilanga:

Ithemu I

Ubukhulu bedijidi



Tjengisani iinomboro zenu

Sika amakarada weenomboro kusukela enomborweni yabo Sika-I.
Sebenzisani amakarada ukwakha iinomboro lezi.

19

43

69

54

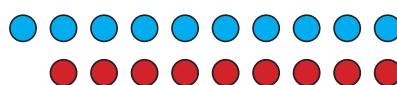
35

10

q



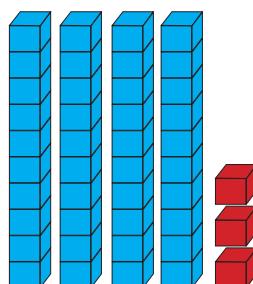
19



10 q

$$10 + q = 19$$

43



10
10
10
10 3

$$10 + 3 = 43$$

Kwanje zenzele wena ngokwakho ngeenomboro lezi usebenzise uSika-I.

54

35

69



Tlolani iinomboro lezi

Sesinenzele yokuthoma.

Singatjho godu
kobana abo-l
abali-q

q	IO + q	itjhumi li-l + q kanye	itjhumi nethoba
43			
69			
54			
35			
21			
73			
44			
32			
89			
17			
95			
56			
68			
67			



Tlolani iinomboro ezhilanu ngokulandelana kusukela kencani khulu
ukuya kekulu khulu

_____ ; _____ ; _____ ; _____ ; _____



Teacher:
Sign:
Date:

5



Ukuhlanganisa nokukhupha

Ithemu |



Iositolo sakaLebo

Ekuseni uLebo uneempakana ezima-19 zama-apula.

Ngesikhathi sesidlo semini sele asele neempakana ezili-13.

a. Ingabe uLebo uthengise iimpakana ezingaki? _____

b. Tlola ipendulo yakho njengenomboro yomutjho.

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



Tlola enye inomboro yomutjho ukutjengisa ipendulo efanako.

$$15 - 9 = 6$$



Nombora

Tlola iimpendulo.

$$1 + 2 = 3$$

Sebenzisa...
+ - =

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



Nombora imindeni

5

9

14

Nanzi iimbonelo zeenomboro yeminden.

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



Uyayibona yoke iminden'i yabo-14?

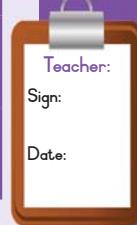
$1 + 13 = 14$	$13 + 1 = 14$	$14 - 1 = 13$	$14 - 13 = 1$
$2 + 12 =$			
$3 + 11 =$			
$4 + 10 =$			
$5 + 9 =$			
$6 + 8 =$			
$7 + 7 =$			



Ngiyokwenza
okufanako nge-12.

12

$1 + 11 = 12$			
$2 + 10 = 12$			
$3 + 9 = 12$			
$4 + 8 = 12$			
$5 + 7 = 12$			
$6 + 6 = 12$			



6

Ilanga:



Ithemu |

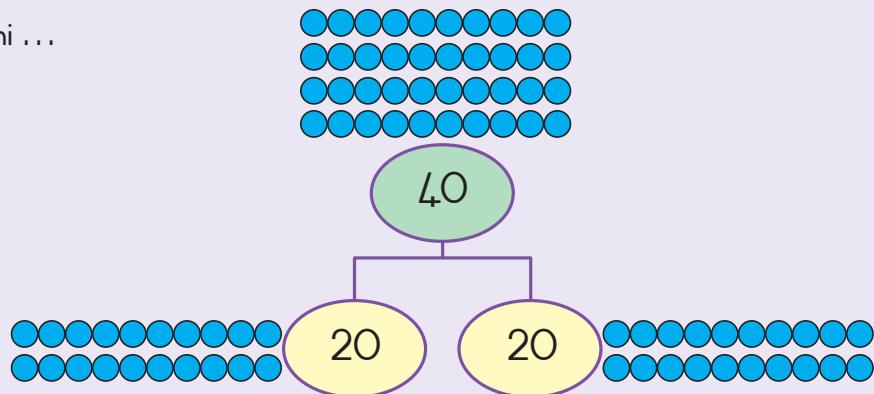
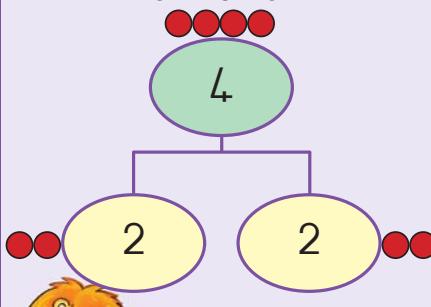
Ukubuyelewa kibili nokuhafula

Niyakhumbula?

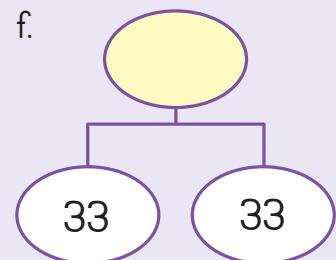
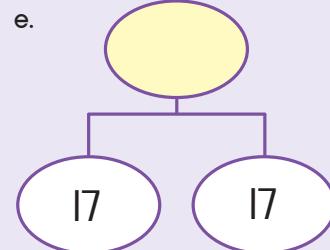
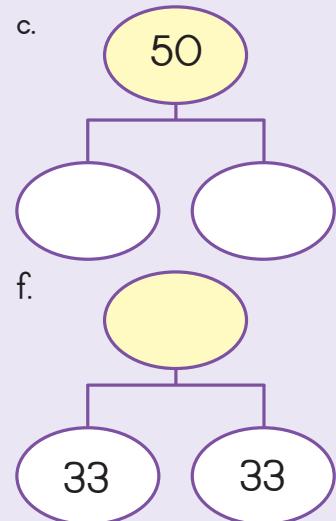
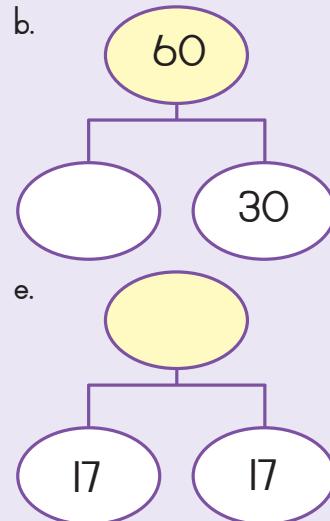
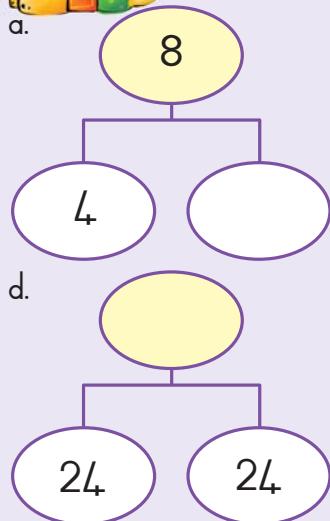
Ukubuyeleta ku-2 kwenza ku-4
ku-4 kukubuyeletwa kibili kwaku-2

Ukubuyeleta ku-20 kwenza ku-40
ama-40 akubuyeletwa kibili kwama-20

Lokhu singakutjengisa emdwebeni ...



Fumanani okubuyeletwa kibili namkha abohafu



Iselele

Fumanani ihafu yaku-3

Tjengisani njengenomboro namkha ibizo lenomboro.
Umqwalo ungakusiza.



Buyelela inomboro usebenzise inambalayini.
Wenzelwe isibonelo.

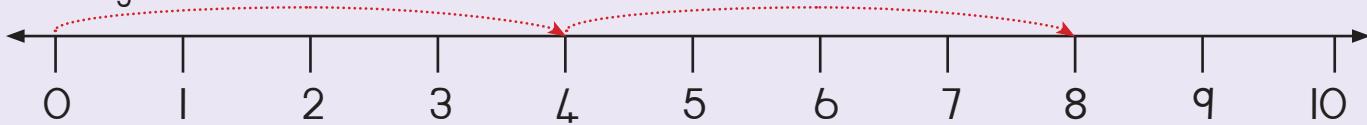
a. Buyelela abo-4

4

+

4

= 8



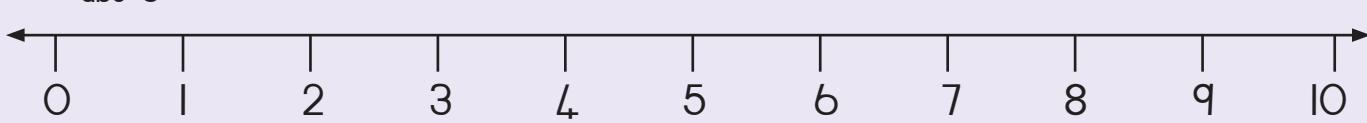
b. Buyelela
abo-5

2

+

6

= 8

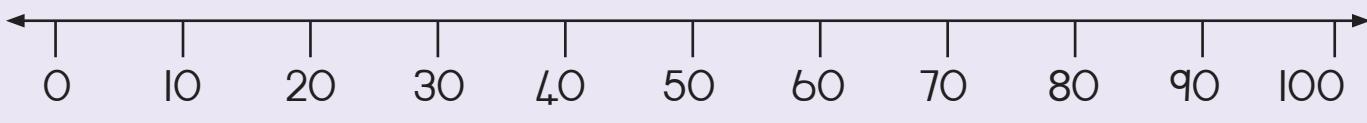


c. Buyelela
abo-20

20

+ 20

= 40



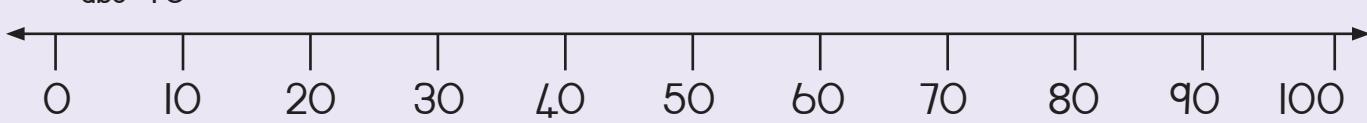
d. Buyelela
abo-40

20

+

40

= 60



Qedelela okulandelako

- | | |
|--------------------|---|
| a. Buyelela abo-1 | 2 |
| b. Buyelela abo-6 | |
| c. Buyelela abo-10 | |
| d. Buyelela abo-30 | |
| e. Buyelela abo-50 | |



Qedelela okulandelako

- | | |
|------------------|---|
| a. Ihafu yaka-6 | 3 |
| b. Ihafu yaka-8 | |
| c. Ihafu yaka-14 | |
| d. Ihafu yaka-60 | |
| e. Ihafu yaka-70 | |





Amacezu

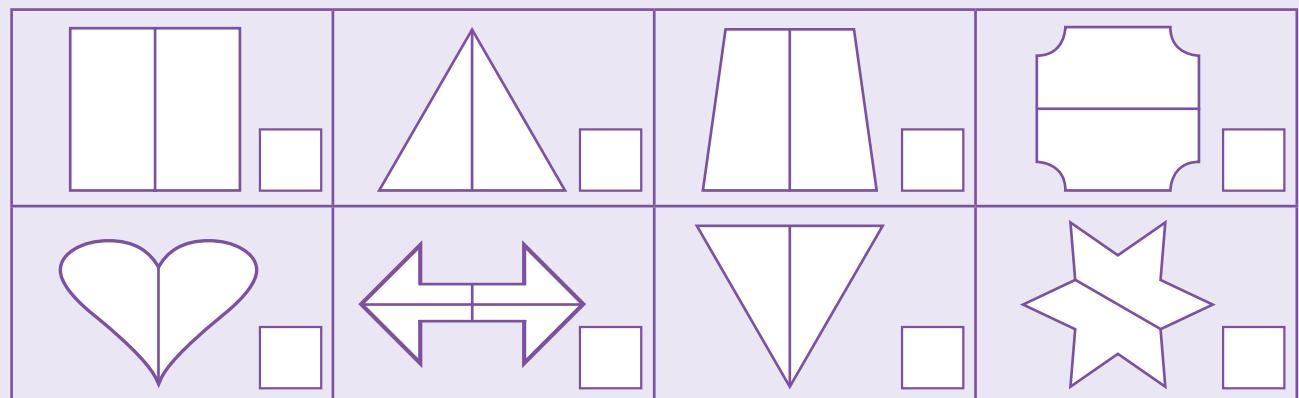
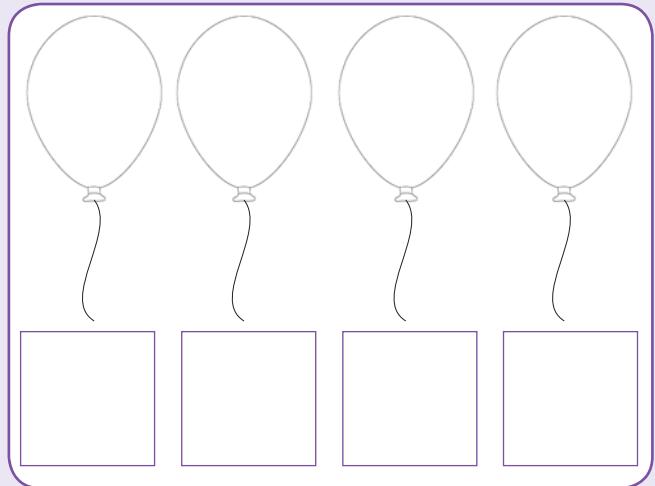
Faka umbala iko tara yamabhaloni ngokubovu bese kuthi asalako abe ngokuhlaza sasibhakabhaka.

Faka umbala obuvo encenyeni eyihafu yebhoksi.



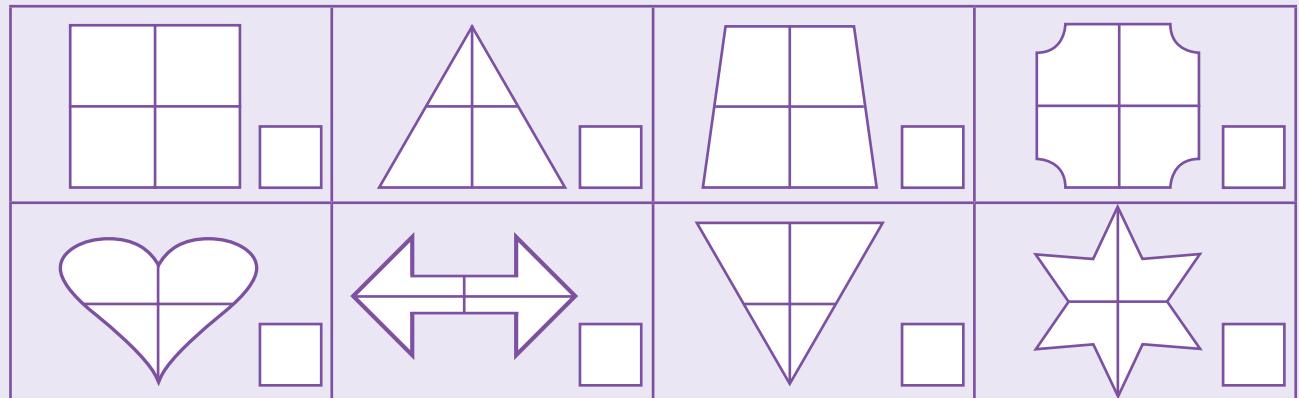
Qala amajamo. Tshwaya amajamo atjengisa abohafu.

Faka umbala engcenyeni enye nenyeyehlukaniswe yaba yihafu.



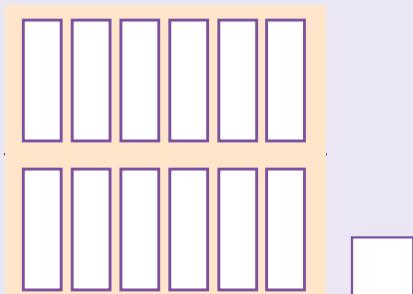
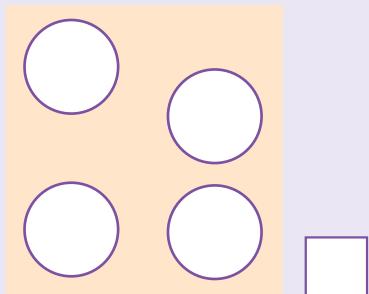
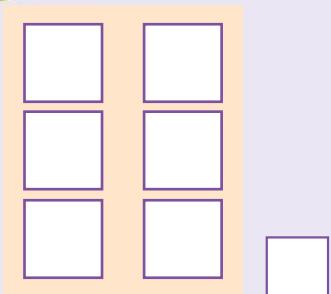
Qala amajamo. Tshwaya amajamo atjengisa amakota.

Faka umbala ikota enye nenyeyamajamo ahlukaniswe aba makota.

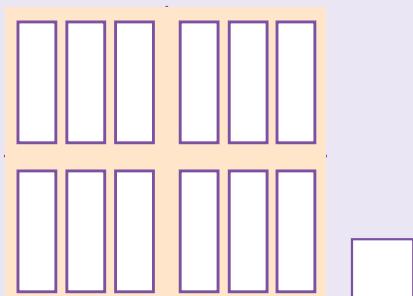
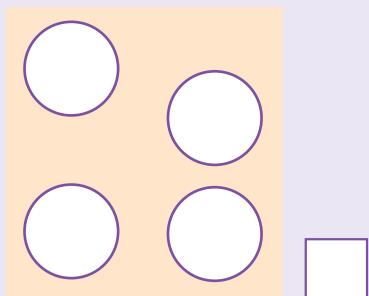
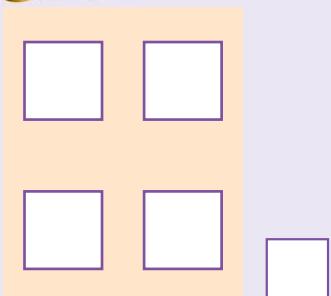




Faka umbala ihafu yamajamo. Iyini ihafu yenani lamajamo?



Faka umbala ikota yamajamo. Iyini ikota yenani lamajamo?

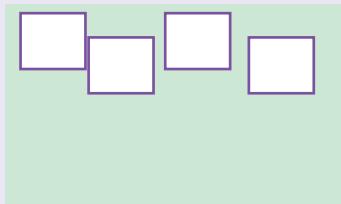
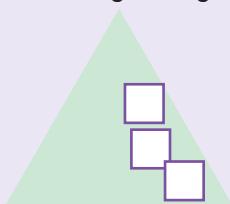


Tlola itshwayo lecezu.

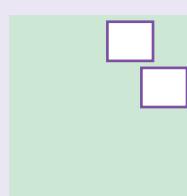
ihafu eyodwa ikota eyodwa



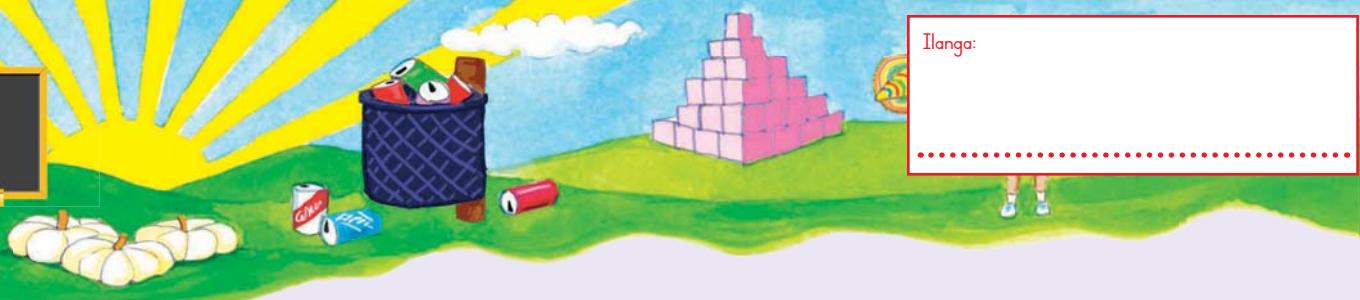
Gwala amanye amajamo ukwenza enye nenyi ihafu iphelele.



Gwala amanye amajamo ukwenza enye nenyi ikota iphelele.



Teacher:
Sign:
Date:



Ilanga:

Ukuhlela imali



Esitokfeleni

UMma Lubisi ubala begodu ahlukanisele isiqhema imali.



Linganisa inani lemali. R _____

Bala imali. R _____

Madanisa,
ulinganise begodu
ufunyane ithothali.



Ukubulunga imali

UGugu ubulungela ipara yamanyathelo ebiza-R89.

Bekube nje selanehafu yemali.

Ingabe usatlhogha malini ngaphezulu?

Tlola inomboro yomutjho ukutjengisa ipendulwakho.





Ebhanga

UMaria wehlukanise imali yamaphepha ngamabuthelelo wama-5.
"Usele neny e imali yamaphephe."
Tlola amathothali wesithombe ngasinye.



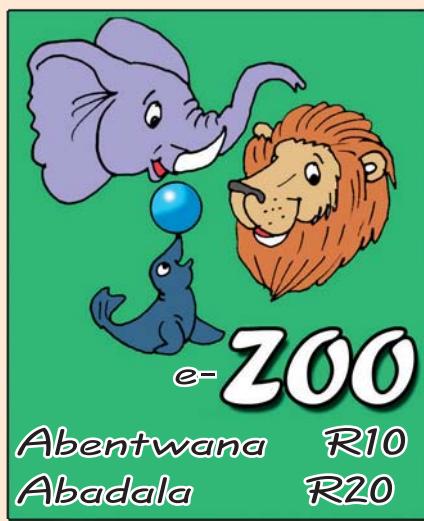
Inani

	R _____
	R _____
	R _____



Iselele

Ivakatjho lokuya e-zoo
Abanye abantu abadala nabentwana baya e-zoo.
Bathenga amathikithi nge-R90.
Ingabe abentwana bangaki? _____
Ingabe abantu abadala bona bangaki? _____
Ingabe ikhona enye ipendulo?
Abadala _____ Abentwana _____



Teacher: _____
Sign: _____
Date: _____



Ilanga:

Ithemu |



Amaphetheni

Sebenzisa ibhodi yeenomboro ezima-200 ukuphendula imibuzo.

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 yeenomboro ezima-200 ukuqedelela amaphetheni weenomboro bese ufaka umbala iphetheni ebhodini yeenomboro.

I05, II0, II5, _____	87, 90, 93, _____
36, 40, 44, _____	184, 186, 188, _____
70, 65, 60, _____	138, 135, 132, _____
I80, I76, I72, _____	I4, I2, I0 _____



Tlola iinomboro ezilandelako eduza kwenye nenye iphatheni bese ukhalara iphatheni?
Khuyini okubonako ngeenomboro ezi khalavwe ngokufanako?

Ukubala ngakuhlanu.

		5		10					

Ukubala ngakubili.

2	4								

Ukubala ngakuthathu.

	3	6							

Ukubala ngalitjhumi.

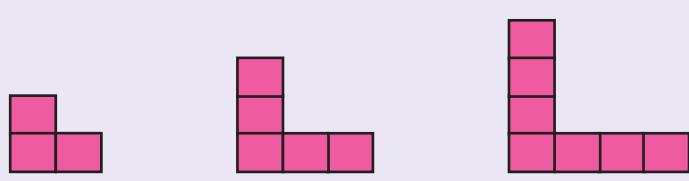
									10



Yelula amaphetheni.









Teacher:
Sign:
Date:

10

Ilanga:



Ithemu |

Imbholo, amabhoksi kanye namasilinda



Ndulungela amabhoksi ngombala ohlaza sasibhakabhaka, iimbholo ngokubomvu bese kuthi amasilinda abe hlaza satjani.

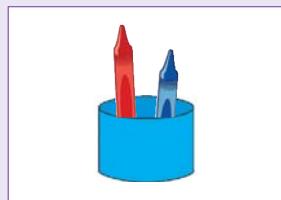


Faka umbala ngependulweni enembako.



Ibhoksi

liyatjhelela



Isilinda

liyatjhelela



Ibholo

liyatjhelela



Faka umbala ependulweni enembako.

umqoqo oyindulungu
umqoqo onqophileko

umqoqo oyindulungu
umqoqo onqophileko

umqoqo oyindulungu
umqoqo onqophileko

umqoqo oyindulungu
umqoqo onqophileko

umqoqo oyindulungu
umqoqo onqophileko

umqoqo oyindulungu
umqoqo onqophileko

umqoqo oyindulungu
umqoqo onqophileko

umqoqo oyindulungu
umqoqo onqophileko



Yitjho nangabe ibholo ingemuva, ngaphambili, ingeqadi nanyana
ingaphezulu kwebhoksi.

ngemuva	ngaphambili
ngeqadi	ingaphezulu

ngemuva	ngaphambili
ngeqadi	ingaphezulu

ngemuva	ngaphambili
ngeqadi	ingaphezulu

ngemuva	ngaphambili
ngeqadi	ingaphezulu



Teacher: _____
Sign: _____
Date: _____



Ilanga:

Ithemu |



Dweba amabumbeko

Uncantathu



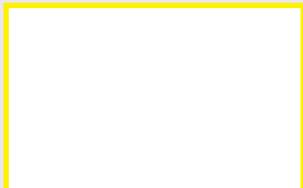
Isiyingi /
Indulunga



Isikwere

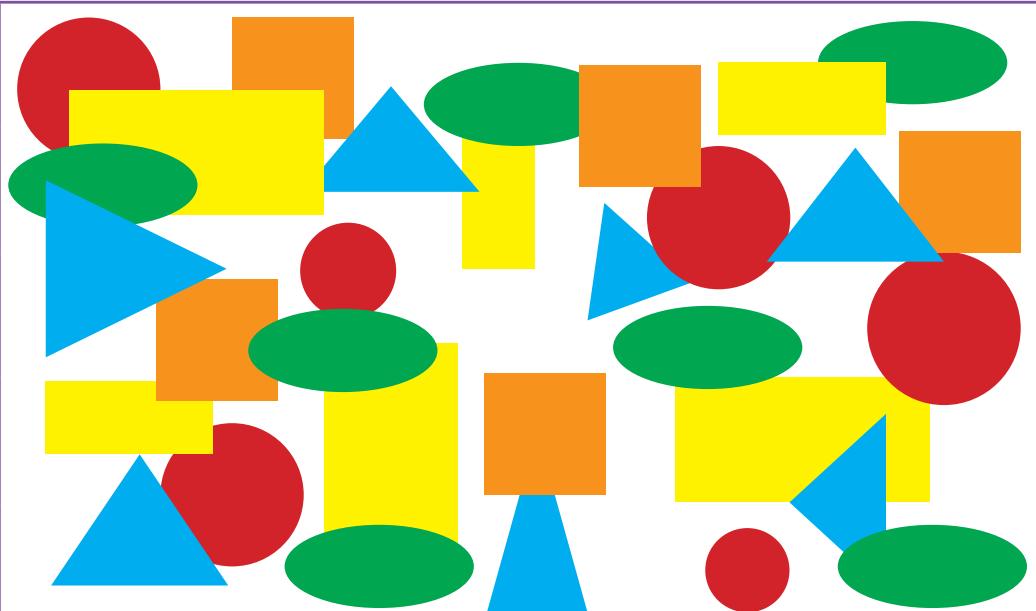
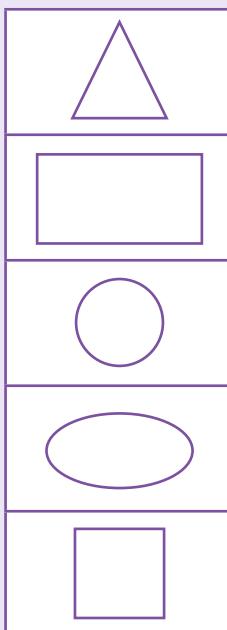


Ncazine



Bala amabumbeko

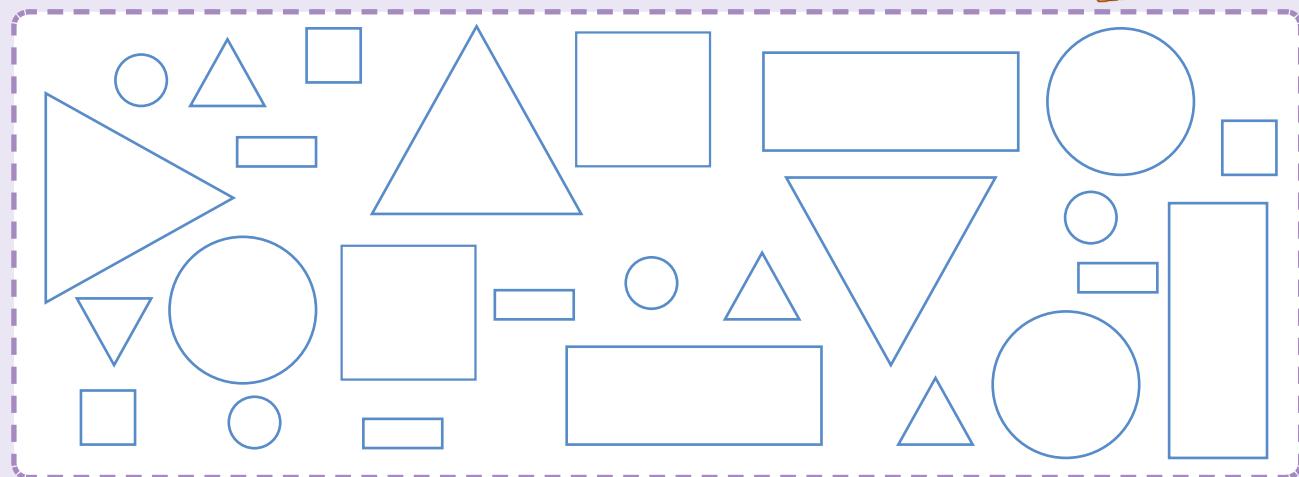
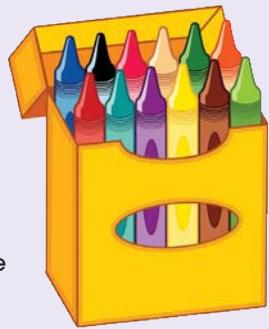
Bala kobana mangaki amabumbeko afana nalawa ongawafumana esithombeni.





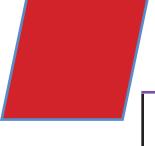
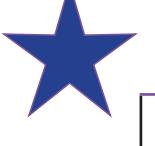
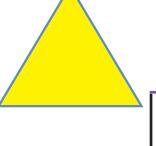
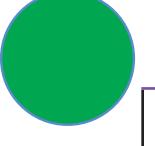
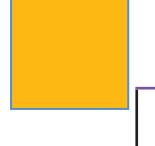
Faka umbala:

iyingi ezikulu ngombala obomvu, iyingi ezincani ngombala ohlaza satjani;
 aboncantathu abakhulu ngombala ohlaza sasibhakabhaka, ezincani ngombala o-orontji;
 iinkwera ezikulu ngokusarulani, ezincani ngokuphephuli;
 amarekthengela amakhulu ngombala ozotho bese kuthi amarekthengela amancani abe
 ngombala opinki.



Mahlangothi amangaki?

Ibumbeko ngalinye linamahlangothi amangaki? Tlola inomboro ebumbekweni. **Isibonelo wenzelwe.**
 Ingabe amahlangothi anqophile nanyana ayindulunga? Faka umbala ependulweni enembako.

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



Teacher: Sign:
Date:

12



Ilanga:

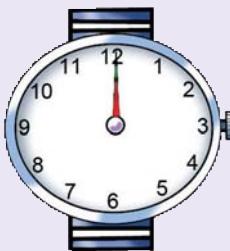
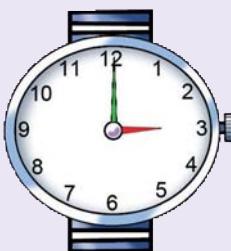
Ithemu |



Siyakhamba isikhathi

Fundani isikhathi

Atjengisa siph i isikhathi amawatjhi la?



_____ Ehloko

_____ Ehloko

_____ Ehloko

_____ Ehloko



Yeqani magegana newatjhi

Sizani uMinnie Mouse ukubala imizuzu ngaku-5.
Thomani e-12. Ragelani phambili nizombeleza.



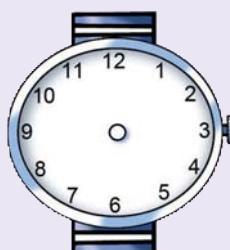
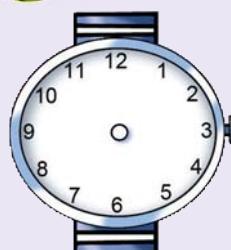
Nibala imizuzu emingaki? _____

Mizuzu emingaki ese-irini li-l? _____



Tlolani isikhathi

Gwala imikhono ukutjengisa iiinkhathi.



ikotara ngemva
kwe-iri-6

sigamu ngemva
kwe-iri-8

ikotara ngaphambili
we-iri-11

isigamu ngemva
kelesi-5



UTumi uya esikolweni.



Usuka ekhaya.



Ufika esikolweni.

Ingabe uTumi uthatha isikhathi esingangani? _____



Ilanga lokubhaga

UMaria ubhaga uburotho.



Uburotho buya
nge-ondweni.



Uburotho
buyaphuma.



Uburotho buthatha imizuzu e _____ ukubhagwa.



Iselele

Esikhathini esibuyeelwe kabilo

- a. Tjhugululani ama-iri abe mizuzu.

Ama-iri	1	2	4	8
Imizuzu	60			

Ngingakghona
ukubona amaphetheni.



- b. UJabu uthatha imizuzu ema-45 ukufika esikolweni. UTumi uthatha isikhathi esibuyelwe kabilo. UTumi uthatha ama-iri amangaki ukufika esikolweni? _____



Teacher:
Sign:
Date:

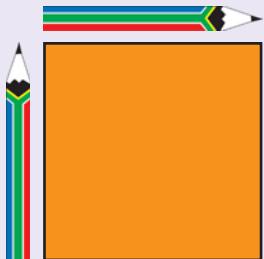
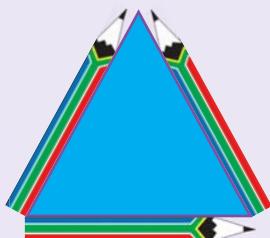
13

Ilanga:



Ithemu |

Ukulinganisa ubude



Kukoke, amahlangothi
woke wethrayengeli
le, alingana nobude
beempensela e-3.

Kukoke,
amahlangothi
wesikwere alingana
nobude
beempensela e-4.



Ngiyazibua kobana
irekthengela yide
begodu ibanzi
kangangani?

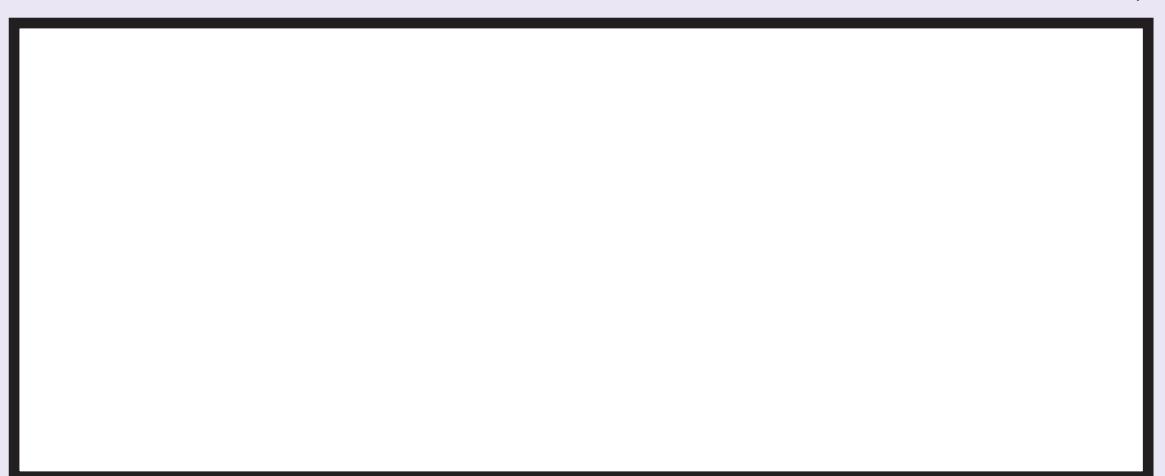
Zingaki iimpensela ezisebuden'i berekthengela?



Zingaki iimpensela ezisebubanzini berekthengela?



ubude



ububanzi

Uzisebenzise njani iimpensela ukubala?

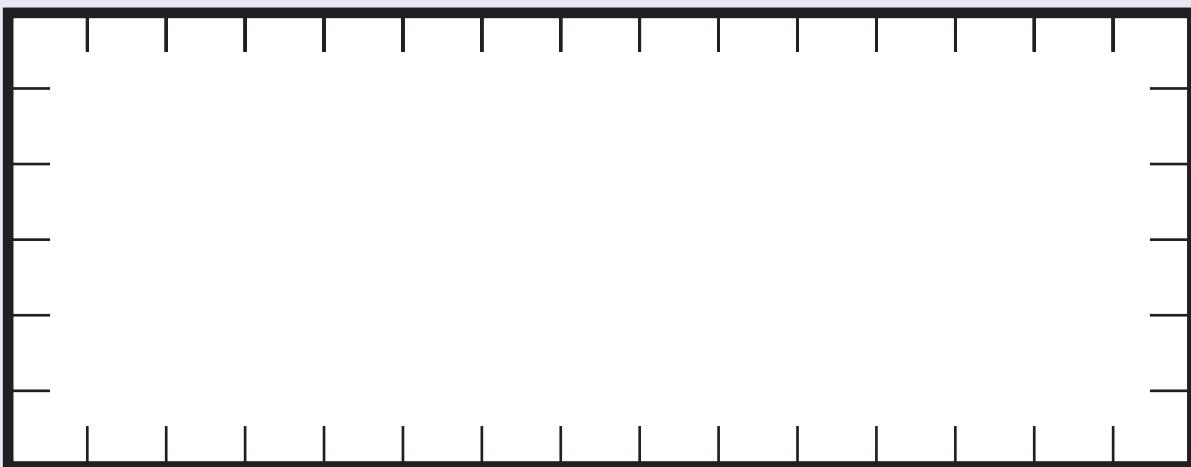


Ubude obufihlakeloko

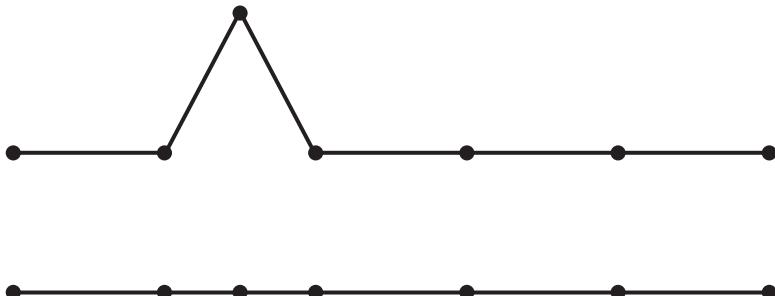
- a. Ingabe utlhoga imida emingaki ebovu ukwembesa umuda onzima?



- b. Ingabe utlhoga imida emingaki ebovu ukwembesa uncantathu woke?



- c. Ngiyiphi edenyana, indlela engaphezulu namkha engaphasi, namkha ingabe ziyafana?



Ipendulo _____

Kubayini? _____



Teacher: _____
Sign: _____
Date: _____

14



Ilanga:

Itihemu |



Umthamo

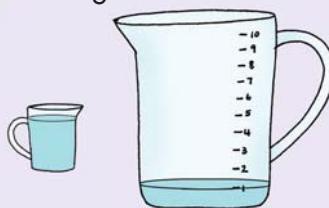
Sengifake amakhezo
amanne ngekomitjini

Ziinkomiki ezingaki zamanzi ezizokuzalisa isimumath?



Ziinkomiki ezingaki zamanzi ezingesimumathini? Uzokutlhoga ezinye iinkomitjhi
ezingaki ukuzalisa isimumath?

a.



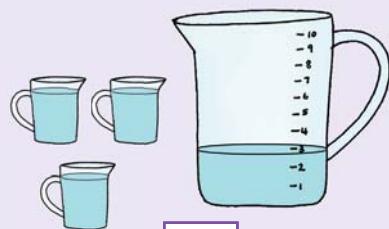
Ngaphakathi kwesimumath:

|

Utlhoga amanye:

q

b.



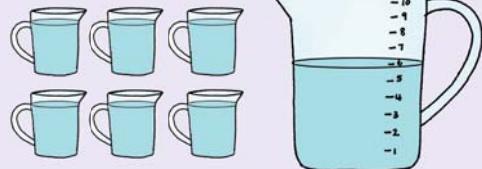
Ngaphakathi kwesimumath:

|

Utlhoga amanye:

|

c.



Ngaphakathi kwesimumath:

|

Utlhoga amanye:

|

d.



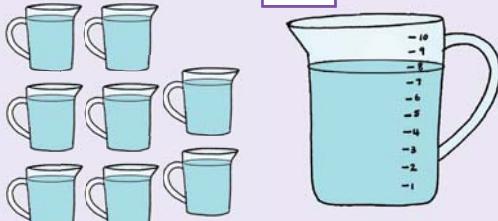
Ngaphakathi kwesimumath:

|

Utlhoga amanye:

|

e.



Ngaphakathi kwesimumath:

|

Utlhoga amanye:

|

f.



Ngaphakathi kwesimumath:

|

Utlhoga amanye:

|

Ngaphakathi kwesimumath:

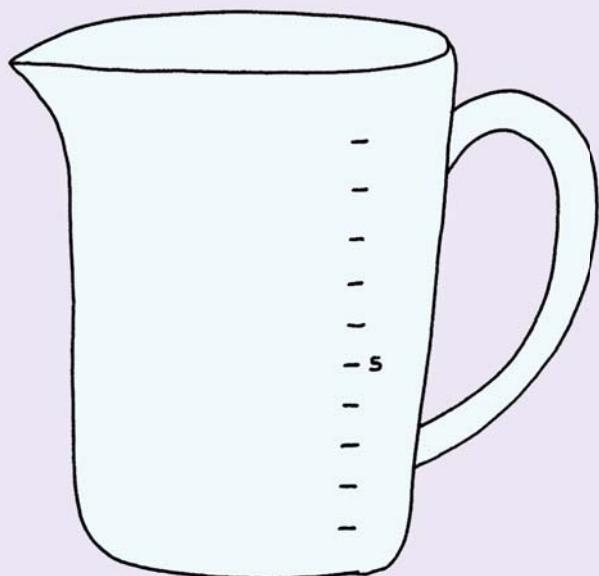
|

Utlhoga amanye:

|



Tlola ama-inthavali ejegeni. Sikutlolele ama-inthavali ama-5.
Zaliselela amanye ama-iinthavali

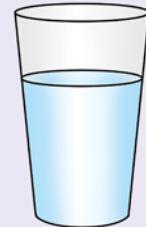


Nangabe ikomiki eyodwa ijego eyodwa
bekube ku-inthavali yesi-2, uzokutlhoga
iinkomiki ezingaki ukuzalisa ijego?

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



Tshwaya kobana ngisiphi isimumathi esingamumatha ilitha e-l yamanzi.



Teacher:
Sign:
Date:

15

Ilanga:

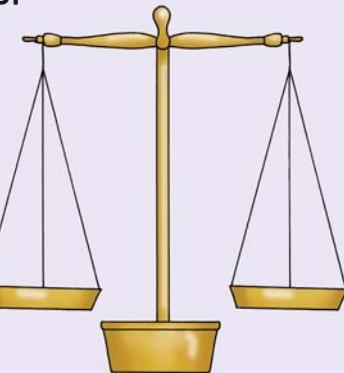


Ithemu |



Ukusebenza ngobudisi

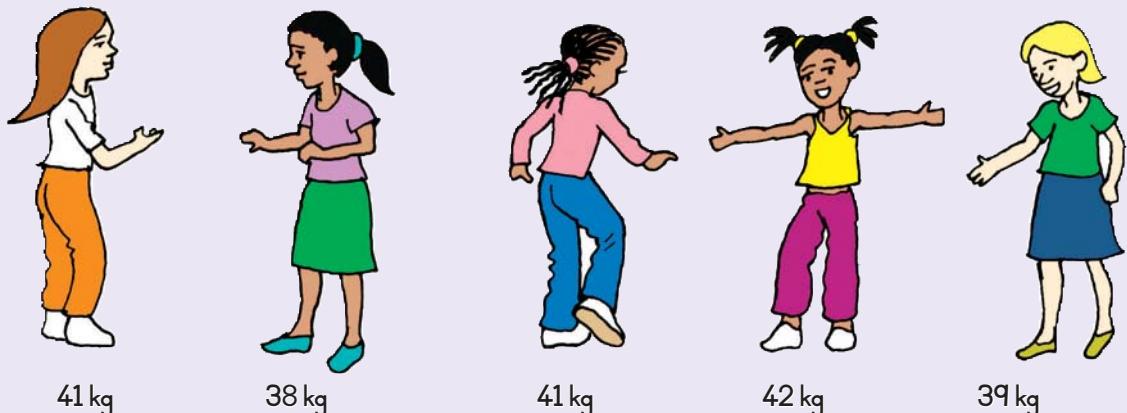
Asimede isisindo sethu!



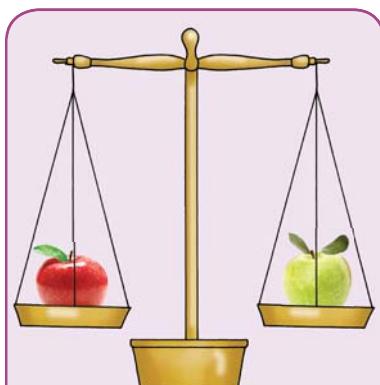
Ukufumana ubungako bethu, **ubudisi** namkha **ukubalula**, sisebenzisa isikala.

Simeda ubungako **ngamakhilogrammu**.

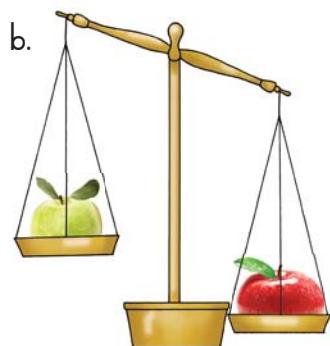
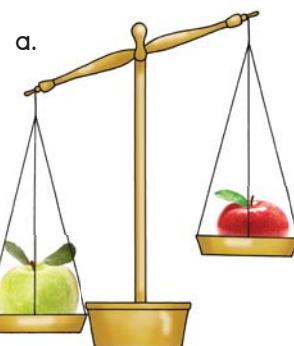
Sisebenzisa isirhunyezwesi: kg. Ngubani onobudisi obungaphezulu?



Sisebenzise isikala sokubhalansa ukumeda ubudisi



Esikaleni lesi, womibili ama-apula akala ngokulingana.



Phendula imibuzo. Tlola u-a nanyana u-b

Kusesikalen i siph lapha i-apula elihlaza satjani libudisi khona khulu ukudlula i-apula elibovu?

Kusesikalen i siph lapha i-apula elihlaza satjani lilula khona kune-apula elibovu.

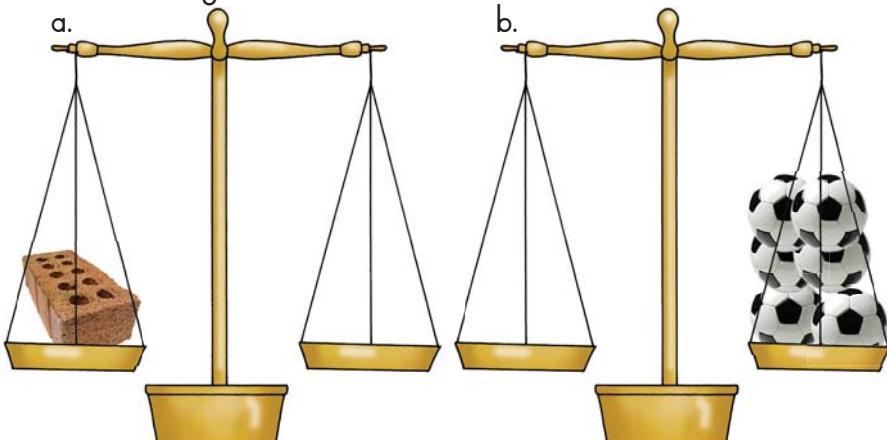


Bhalansisa iinkala.

Wenzelwe isibonelo.



Gwala uveze kobana ziintina ezingaki nanyana iimpholo ozidingako ukuze wenze isikali lesi sibhalanse/sizinze.



Nangabe iphasela eyodwa ikala 3 kg. Amaphasela ama 2 na-3 akala kangangani?



a. c. Amaphasela ama-2 _____

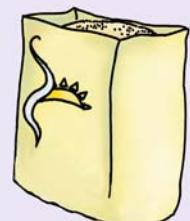
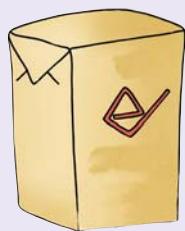
b. Amaphasela ama-3 _____

c. Ngingakghona ukumeda amaphasela ama-4 ngasikhathi sinye kiso sona isikala sangekhwitjhini? _____

Kungani? _____



Tshwaya impendulo enembako. Ngiyiphi into enesisindo esingaba li-lkg?



Teacher:
Sign:
Date:



Ukusebenza ngeminingwana

Amanyathelo ngetlasini



Funda indatjana.

UTHabo: Hawu, Titjhere! uJack ulizimuzimu! Ufaka isayisi 6 yamanyathelo!

UKkz. Khoza: Kulungile! Iye, Thabo, yikulu khulu emntwaneni oneminyaka elithoba! Thabo, unesayisi bani yamanyathelo? Ingabe itlasi loke linamasayisi bani? Asenzeni irhubhululo!

Abafundi batjho amasayisi, ngamunye ngamunye.

UKkz. Khoza utlola amasayisi lawo ebhodini.

UKkz. Khoza: Bala, bese uyatlola amasayisi ngayinje ngetheyibuleni.

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

Zalisa ithebula engenzasi.

Amasayizi wamanyathelo ngetlasini

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



Kwanje gwala igrafu yeenthombe.



= umfundi-1

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



Kwanjesi phendula imibuzo le.

- Abafundi abanengi bafaka amanyathelo wesayisi _____.
- Isibalo esimbalwa sifaka isayisi _____.
- _____ abentwana bayazibandakanya erhubhululweni.



Kunjani ngawe?

Fumana kobana wena nabangani bakho nifaka isayisi bani!

- Sebenzani ngeenqhemza zangaba-6 ukuya kezangababu-8.
- Buthelelani imininingwana yenu.
- Tlolani isibalo samasayisi wamanyathelo ethebuleni.
- Madanisani iimpendulo nezinye iinqhemza.



Teacher:	Sign:
Date:	

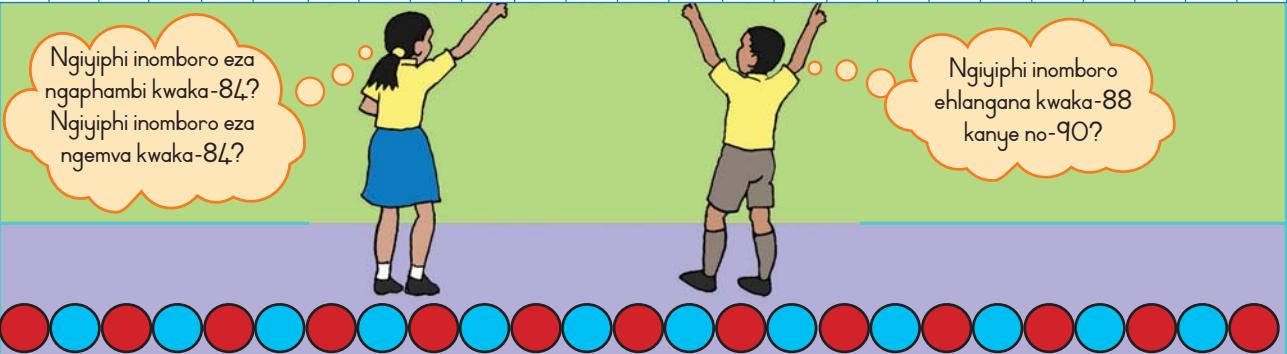
17



Madanisa bewuhlele iinomboro

Ilanga:

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



Zalisa ngeenomboro ezitlhayelako.

51																				
71																				
																			100	

Sebenzisa ibhodi yeenomboro ukuphendula imibuzo.

- Ngijiphi inomboro eza ngaphambi kuka-68? _____
- Ngijiphi inomboro elandela u-68? _____
- Tlola iinomboro ezihlantu ezincani kuno-71. _____, _____, _____, _____, _____
- Tlola iinomboro ezihlantu ezikulu kuno-71. _____, _____, _____, _____, _____
- Ngiziphi iinomboro ezihlangana kwaka-79 kanye no-84? _____
- Tlola iinomboro kusuka kencani khulu kuye kekhulu. 73, 52, 50, 59, 61
- Tlola iinomboro ukusuka kekhulu kuye kencani. 74, 96, 99, 91, 38



Qedelela itheyibula. Thoma ngenomboro onikelwe yona.

	Enye ngaphezulu	Encani ngaphasi	Ezinye ezilitjhumi	Ezilitjhumi ngaphasi
25				
39				
74				
56				
40				



Ndulungela inomboro ekulu khulu.

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

Ndulungela inomboro encani khulu.

qq	Iq	q	I4	4I	40
----	----	---	----	----	----



Nangabe itshwayo < litjho okuncani kuna- bese kuthi itshwayo > litjho kobana kukhulu. Qedelela:

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

75		98	89		57
----	--	----	----	--	----



Funyana iinomboro ezi-5 ephephandabeni ezihi langana kwaka-50 kanye no-qq bese uzinamathisela kusukela kencani ukuyo kekulu.

--



Teacher: _____
Sign: _____
Date: _____

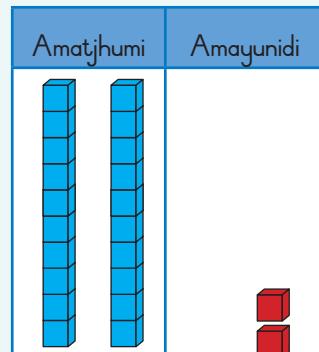


Ubukhulu beenomboro ukuya kuma-qq

Ukutjengisa inomboro ngokusebenzisa izinto

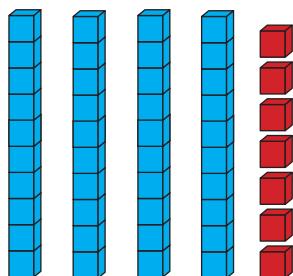
Godu singakghona ukutjengisa iinomboro ngamabhlogo wethu weenomboro ezikulu. Ibhlogo elincani lijamele ku-l.

Umtletle wamabhlogo amancani ali-10 ajamele i-10. "Litjhumi"



Ungatjengisa inomboro
ngokusebenzisa amatjhumi
namkha amayunidi.

Lapha yindlela yokutjengiswa kwama-**47**.



Amatjhumi	Amayunidi
4	7

Amatjhumi amane
nekhomba-47



Ukutlola iinomboro ngamadjithi nangamagama

- a. Ngaphasi kwesithombe, tlola kobana kunamatjhumi amangaki begodu mangaki amayunidi.
Bese utlola inomboro ngamadjithi nangamagama.

Amatjhumi	Amayunidi	Amatjhumi	Amayunidi
3	1		
31			
Amatjhumi amathathu nalyne			



2 0 6

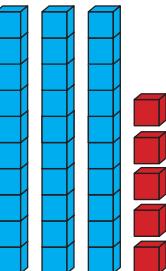
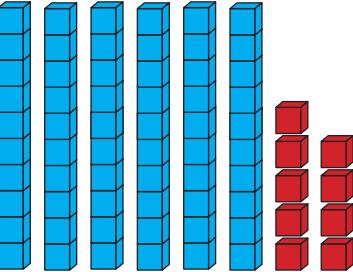
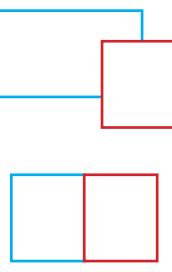
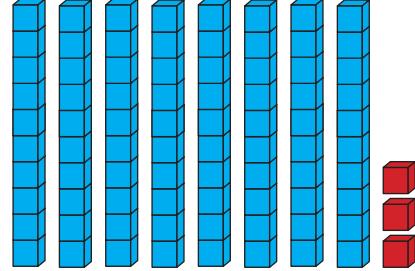
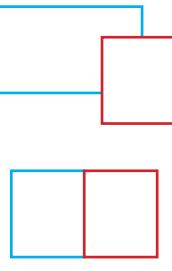
2 6

b. Godu singasebenzisa iinomboro zethu zamakarada ukutjengisa lokhu.

Nombora	Mangaki amatjhumi?	Mangaki amayunidi?	Tlola inomboro ngamagama
26	2	6	amatjhumi amabili nesithandathu
46			
99			



Iyini inomboro?

	<p>3 0 5</p> <p>3 5</p>	<table border="1"> <tr> <td>Amatjhumi</td> <td>Amayunidi</td> </tr> <tr> <td>3</td> <td>5</td> </tr> </table> <p>Amatjhumi amathathu nahlanu 35</p>	Amatjhumi	Amayunidi	3	5
Amatjhumi	Amayunidi					
3	5					
		<table border="1"> <tr> <td>Amatjhumi</td> <td>Amayunidi</td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>_____</p> <p>_____</p>	Amatjhumi	Amayunidi		
Amatjhumi	Amayunidi					
		<table border="1"> <tr> <td>Amatjhumi</td> <td>Amayunidi</td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>_____</p> <p>_____</p>	Amatjhumi	Amayunidi		
Amatjhumi	Amayunidi					



Teacher:
Sign:
Date:

Iq

Ilanga:



Funda

Ukubeka amatjhumi ndawonye lokha nasihlanganisa ukuya ema-qq

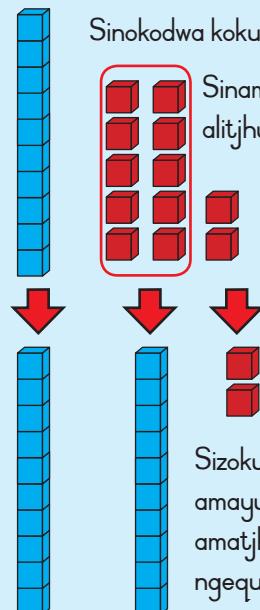
Ithemu |

Nasi indlela yinye yokutjengisa
ama-22.

Amatjhumi	Amayunidi
itjhumi li-1	amayunidi ali-12
1 0	1 0 2

Sinokodwa kokulitjhumi

Sinamayunidi
alitjhumi nambili



Kwanjesi sinenye indlela
yokutjengisa ama-22.

Amatjhumi	Amayunidi
amatjhimi ama-2	amayunidi ma-2
2	2

Asihlanganise $27 + 4$. Sizokuthoma ngamabhlogo ahlaza. Amabhlogo apinki la ngiwo esizokungezelela ngawo.

Ama-27matjhumi ama-2 begodu
nabowani abali-7. Bese sihlanganisa
abowani aba-4 ngaphezulu.

Amatjhumi	Amayunidi
ama-2	ama-7 +ama-4
2 0	7 4

Sinamatjhumi ama-2 begodu nabowani
abali-11.

Amatjhumi	Amayunidi
Singatjengisa abowani abali-10 njenge tjhumi linye.	1

Kwanjesi sinamatjhumi
ama-3 + nowani mu-1 = 31

Amatjhumi	Amayunidi
$+$	$=$
3	1



Tlola iinomboro zomutjho ezitjengiswe sithombe

Amatjhumi	Amayunidi		Amatjhumi	Amayunidi		Amatjhumi	Amayunidi	
<input type="text"/>								
10	+ 5	+ 6						

Qedelela iinthombe. Tlola imitjho yeenomboro etjengiswe esithombeni.

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

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



Teacher: _____
Sign: _____
Date: _____

20a

Ilanga:



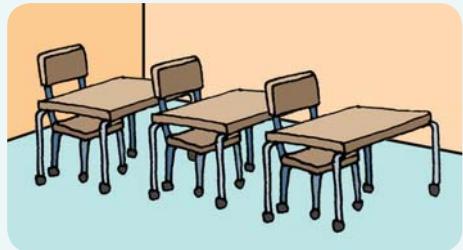
Hlanganisa kunambalayini

Hlala edeskeni lakho!

Esikolweni sethu umfundi ngamunye unedeske lakhe.

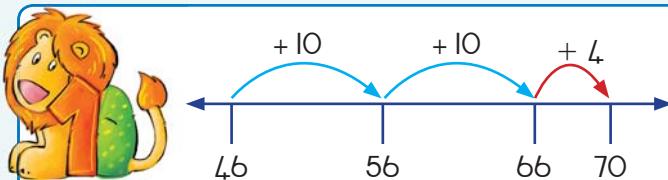
Kunabafundi abama-46 kuGreyidi 3A begodu bama-24
kuGreyidi 3B.

Ingabe sitlhoga amadeske amangaki ematlasini womabili?



Sebenza nomlingani

Qala kobana abafundi abathathu laba bayisebenzisa njani inambalayini
ukusombulula umraro. Qedelela iimbalo usebenzile isibonelo.



Lokhu ngengikwenzako: Ngithoma ngokuhlanganisa i-10.

Lokhu kungiletha ema-56. Bese ngeqa i-10 elinye ngiye ema-66.
Begodu kwamaswaphela, ngeqa ku-4 ngaphezulu ukufika ema-70.

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

Kufanele
ngihlanganise ama-24
ukuya ema-46.



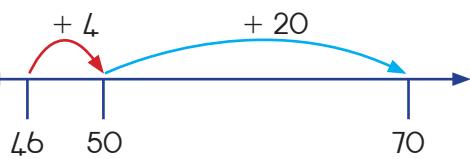
a. $32 + 25 =$

→



b. $52 + 26 =$

c. $46 + 25 =$



Kufanele
ngihlanganise ama-24
ukuya ema-46.



Lokhu ngengikwenzako: Kokuthoma ngizokweqa ku-4. Lokho kuzangiletha ema-50. Ngingeqa ukudlula ama-20, okungiletha ema-70.

$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$

a. $36 + 41 =$



20b



Ilanga:

Hlanganisa kunambalayini (kuragela phambili)

b. $57 + 19 =$

← →



+ 20

+ 4

46

66

70

Kufanele
ngihlanganise ama-24
ukuya ema-46.



Lokhu ngengikwenzako: ukusuka ema-46, ngingeqa ama-20. Lokho kungiletha ema-66. Kwanjesi kufanele ngeqe ku-4 ngaphezulu begodu bese ngifika ema-70.

$$= 46 + 20 + 4$$

$$= 66 + 4$$

$$= 70$$

a. $63 + 24 =$

← →

b. $65 + 29 =$

← →



Ziinlofu ezingaki?

Umbhagi udiliva iinlofu ezima-54 ezibhraweni
ezima-68  begodu neenlofu
ezimhlophe.

- a. Ziinlofu ezingaki sezizoke?

- b. Fumana ithothali kunambalayini.

Tjengisa **iinomboro nesilinganiso** sokweqa.



Hlanganisa okulandelako, ngaphandle kokusebenzisa inambalayini.
Sebenzisa yakho indlela.

$38 + 24 =$

$58 + 17 =$

$75 + 16 =$

$83 + 29 =$



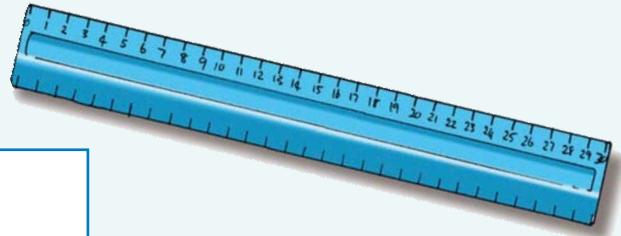


Ukukhupha ngenambalayini

Umfundi munye! Irula yinye!

Itlasi litlhoga amarula ama-53. Kunama-35 kwaphela.

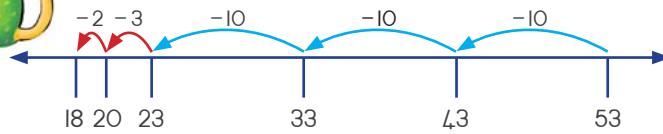
Sisathlhoa mangaki? $53 - 35 =$



Sebenza nomlingani

Funda kobana abafundi abanye abathathu abafanako bayisebenzisa njani inambalayini lapha.

Qedelea iimbalo usebenzise isibonelo.



Kufanele ngikhuphe
ama-35 kuma-53.
Ukukhupha kutjho ukususa.

Ngalokho ke, ngizakuthoma ema-53 begodu ngisuse. Ngizakususa i-10, 10, 10 – elingiletha ema-**23**. Kwanjesi ukususa kuhlanu, okokuthoma ngisusa ku-3, bese ngiza ema-**20**. Ngisusa ku-2 ngaphezulu begodu ngifumana i-18. Ngalokho ke sitlhoga iinrula ezili-**18**.



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

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

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

$$= 23 - 3 - 2$$

$$= 20 - 2$$

$$= 18$$



a. $68 - 24$

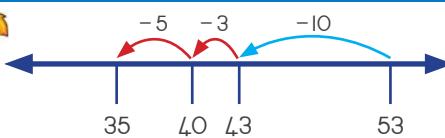
← →

b. $74 - 38$

← →

c. $92 - 87$

← →



Ukukhupha kutjho
ukufumana umehluko hlangana
nama-53 nama-35.



Ngizakuthoma ema-53 bese ngibala ukuya emuva ema-35 ukufumana umehluko.

Nakhibe ngibala ngibuye le emva nge-10, ngiya ema-43. Ngjingabala ngiye emva ngaku-3 ngaphezulu ukuya ema-40. Bese ngibala ngiye phasi ngaku-5 ngaphezulu ukuya ema-35. I-10 naku-3 nakuhlanu kuli-18. Ngalokho-ke sitlhoga amarula angaphezulu nge-18.

a. $38 - 14$



Teacher: _____
Sign: _____
Date: _____



Ukukhupha ngenambalayini (kuragela phambili)

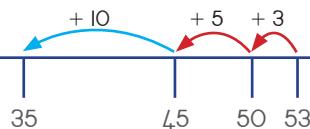
b. $65 - 43 =$



c. $72 - 39 =$



d. $85 - 48 =$



Ngingathoma ema-35 begodu
ngibone kobana kungithatha
imeqo emingaki **ukubala**
kufikela ema-53.



Ngingathoma ema-35 begodu ngibone kobana kuthatha imeqo
emingaki **ukubala** **kufikela** ema-53. Itjhumi lihlangana nakuhlanu
kuhlangane nakuthathu kuli-18. Sitlhoga amarula ali-18 ngaphezulu.

a. $84 - 32 =$





b. $96 - 53 =$

← →

c. $78 - 19 =$

← →

d. $63 - 47 =$



Khamba ngeteksi

Ikhampo ngeteksi lokuya edrobheni lima-65 km.
Bekube nje iteksi sele ikhambe ama-38 km.

Kusafanele ikhambe kangangani ukuya phambili?

Sebenzisa inambalayini ukusombulula umraro lo.



← →

km

Teacher:
Sign:
Date:



Sikhathi sephathi

Iqhinga lokuthoma!



UBusi ubawe abangani bakhe kobana bamnikele isithombe sokudla kwephathi abakuthandako. Okulandelako kukudla akuthengako. Msiza kobana ahlele kuhle ukudla lokhu.



Bala, begodu tlola kobana bangaki abangani abakhetha umhlobo ngamunye wokudla.

Inomboro				



Qedelela igraf yesithombe. Sebenzisa itheyibula. Gwala ubuso banye komunye nomunye umntwana okhetha ukudla nanyana isiselo.

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



23

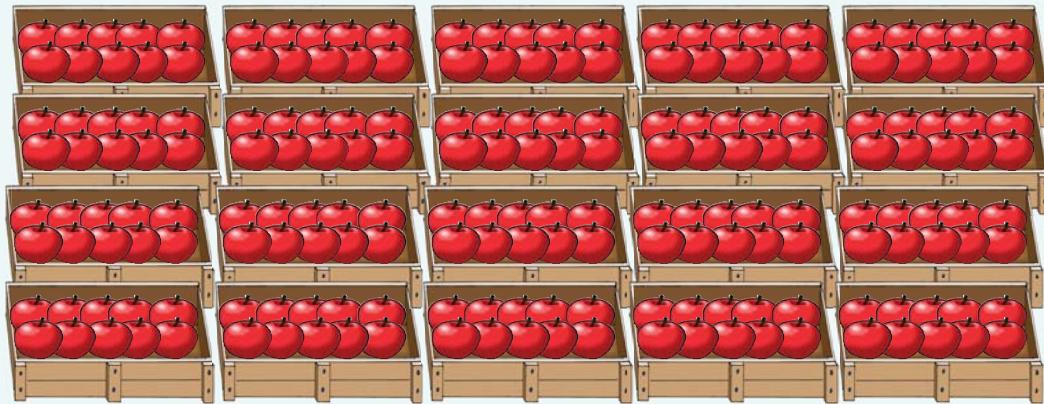


Ilanga:

Ithemu |



Ubona ama-apula amangaki?



Zaliselela ngeenomboro

Ibhoksi elilodwa lina ma-apula

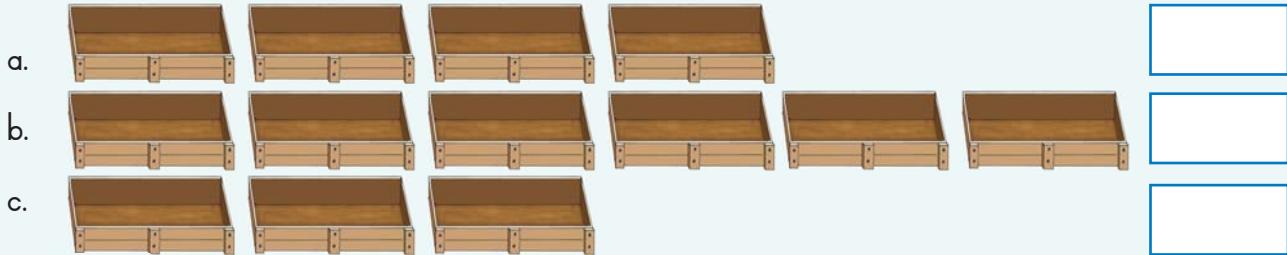
Ireyi elilodwa linamabhoksi

Ireyi elilodwa lina ma-apula

Amareyi amane anama-apula



Singapaka ama-apula amangaki ngemabhoksini la?

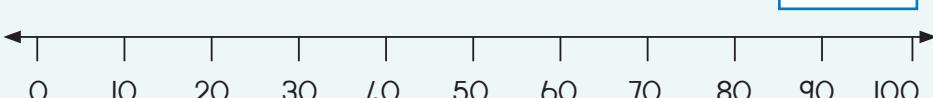


Tjengisa lokhu ngenambalayini.

a. Kuzokuba nama-apula amangaki ngemabhoksini amahlanu?



b. Kuzokuba nama-apula amangaki ngemabhoksini alikhomba?





u-10 nakangezelwe
ngaku-3 kwenza –

3 0

$3 \times 10 =$ **3 0**

nanyana

$10 \times 3 =$ **3 0**

u-10 nakangezelwe
ngaku-5 kwenza

_____ \times _____ = _____

nanyana

_____ \times _____ = _____

u-10 nakangezelwe
ngaku-2 kwenza

_____ \times _____ = _____

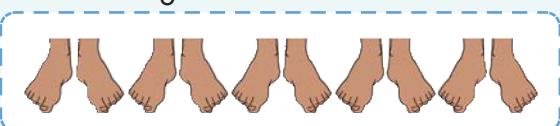
nanyana

_____ \times _____ = _____



Impara ezi-5 zeenyawo.

Kuneenzwani ezingaki sele zizoke?



$10 + 10 + 10 + 10 + 10 =$ **5 0**

$5 \times 10 =$ _____

nanyana $10 \times 5 =$ _____

Yenza lokhu ngendlela efanako.

Impara ezi-4 zeenyawo. Kuneenzwani ezingaki sele zizoke?

_____ = _____ \times _____ = _____ nanyana _____ \times _____ = _____

Impara ezi-9 zeenyawo. Kuneenzwani ezingaki sele zizoke?

_____ = _____ \times _____ = _____ nanyana _____ \times _____ = _____



Asibaleni nge-10.

10, 20, 30, 40, 50, _____, _____, _____, _____, _____, _____, _____, _____, 200



24



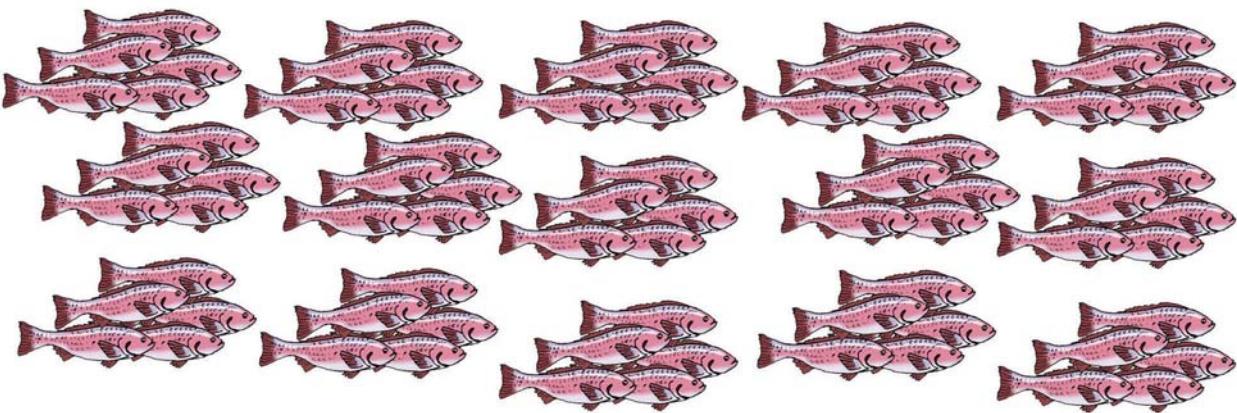
Ilanga:

Ithemu |



Zijayeze ngaku-5

Ingabe iinhlambi zingaki? Linganisa ukuthi kungaki.



Kwanjesi bala iinhlambi.

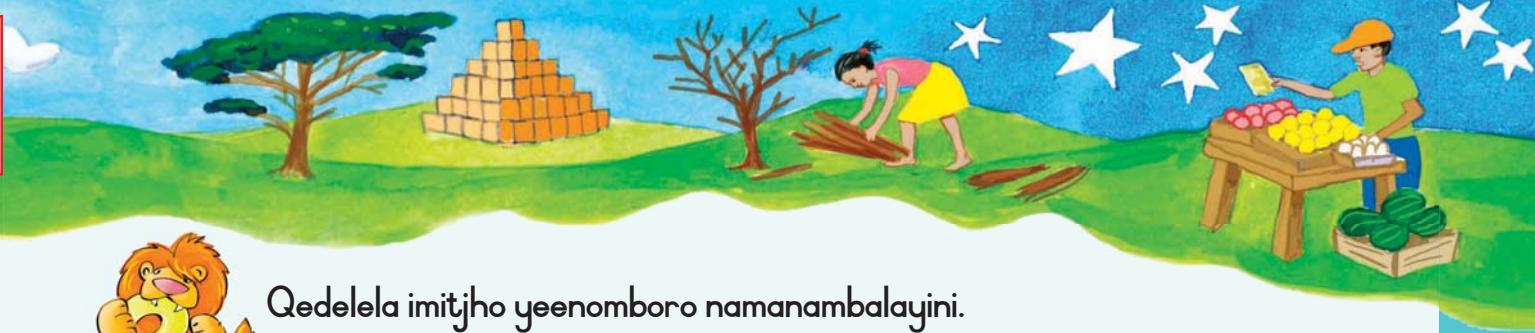
Fumana ithothali.

Bala ngaku-5



Fumana ithothali yamaqanda weenhlambi. Tlola umutjho weenomboro usebenzise u + kanye no \times . Sesikwenzele isibonelo.

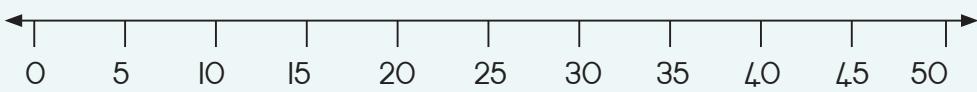
Ihlambi namaqanda	Ingabe mangaki amaqanda?	
Iinhlambi ezi-5, zibekela amaqanda ama-2	$2 + 2 + 2 + 2 + 2 = 10$	$5 \times 2 = 10$
Iinhlambi ezi-5, zibekela amaqanda ali-10		
Iinhlambi ezi-5, zibekela amaqanda ama-4		
Iinhlambi ezi-5, zibekela amaqanda ama-3		
Iinhlambi ezi-5, zibekela amaqanda asi-6		
Iinhlambi ezi-5, zibekela amaqanda abu-8		
Iinhlambi ezi-5, zibekela amaqanda ama-5		



Qedelela imitjho yeenomboro namanambalayini.

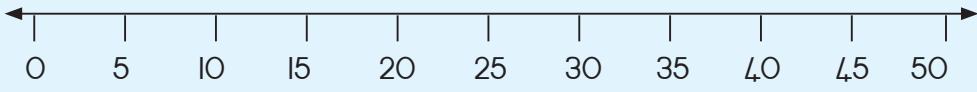


$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35} \text{ nanyana } \boxed{7} \times \boxed{5} = \boxed{35}$$



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

b.



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

c.



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



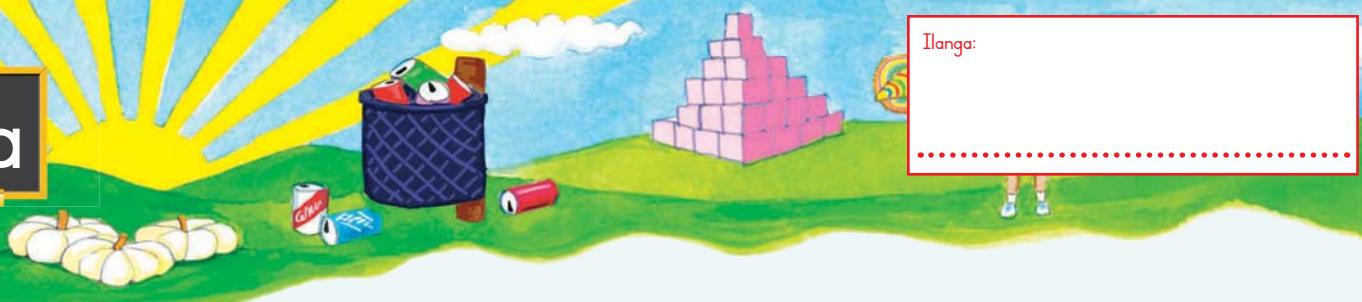
Bamba iihlambi

USipho ubamba iihlambi ezihlangana kwama-40 nama-50. Uyazibala ngaku-2 begodu usele nayi-l.

Uzibala ngaku-5 begodu usele nazi-2. Ingabe uSipho ubambe iihlambi ezingaki?



25a



Ilanga:

Ithemu |



Bala amakowusu

Bala ngaku-2



- Mangaki amakowusu alapho? _____
- Ziimpara ezingaki zamakowusu? _____
- Kusele amakowusu amangaki? _____



Ukubala iimpara zamakowusu

Tlola kobana ziimpara ezingaki zamakowusu ezilapho begodu utjho nakhibe kukhona aseleko.

Amakowusu	Isibalo seempara	Inani lamakowusu	Amswenya aseleko



Teacher: _____
 Sign: _____
 Date: _____

25b



Ilanga:



Bala ngaku-2 (kuragela phambili)

Ukwakha iimpara.

Tlola phasi iinomboro ezilinganako nenomboro ezingalinganiko kusukela e-l – 60.

- a. Tlola iinomboro ezilinganako kusukela kwe- l – 60.

2, 4, 6,

- b. Tlola iinomboro ezingalinganiko kusukela kwe- l – 60.

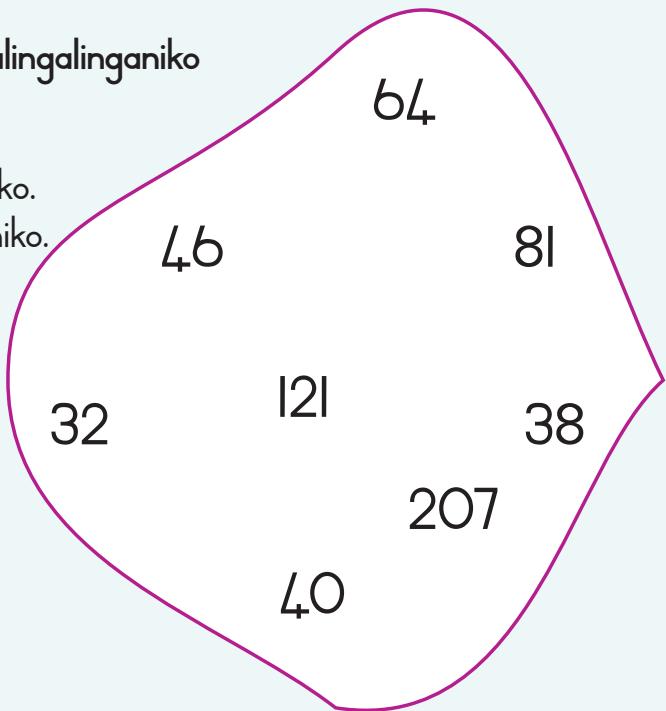
3, 5, 7,



Okulingalinganako nokungalingalinganiko

Dweba indulunga eenomborweni ezilinganako.

Dweba iskwere eenomborweni ezingalinganiko.





Kusukela emakowuswini ukuya eëmpareni zamakowusu

Isibonelo:

ipara yi-1 = amakowusu ma-2

$$2 \times 1 = 2$$

impara ezili-10 = amakowusu ama-20

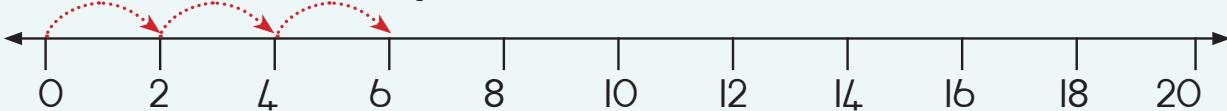
$$2 \times 10 = 20$$

a. Tlola kobana mangaki amakowusu.

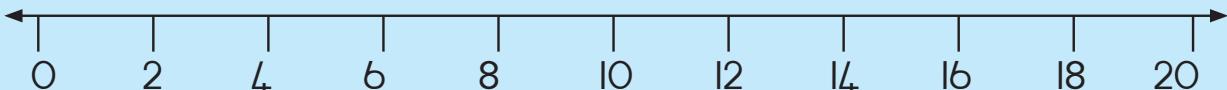
Cabanga ngaku-2	Umutjho weenomboro
Ipala eyo-1 amakowusu = ama-2	<input type="text"/> 2 \times <input type="text"/> 1 = <input type="text"/> 2
Impala ezi-2 amakowusu = ama-__	<input type="text"/> 2 \times <input type="text"/> 2 = <input type="text"/>
Impala ezi-4 amakowusu = abu-__	
Impala ezibu-8 amakowusu = ali-__	
Impala ezili-9 amakowusu = ali-__	

b. Tjengisa inani phezu kwenambalayini bese uyaqedelela.

Isibonelo: $2 + 2 + 2 = 6$ nanyana $3 \times 2 = 6$



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



Teacher:
Sign:
Date:

Imali kade nanje



Indatjana yemali yethu

ESewula Afrika sisebenzisa amaranda namasende njengemali yethu. Sathoma ukusebenzisa amaranda neensende ngomnyaka we-1961.

Ngalawo malanga isende yi-1 yesimbi gade kungiyo encani khulu, kulandele amasende. ama-2 bese kulandela amasente ama-5.





Bala amasende

Bala usende o-l.

Kunamasende amangaki?

Mangaki afunekako ukwenza i-R1,00?

Agwale ngaphakathi kwebhlogo.



Masende amangaki?

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 iinthelo ezingaki?"



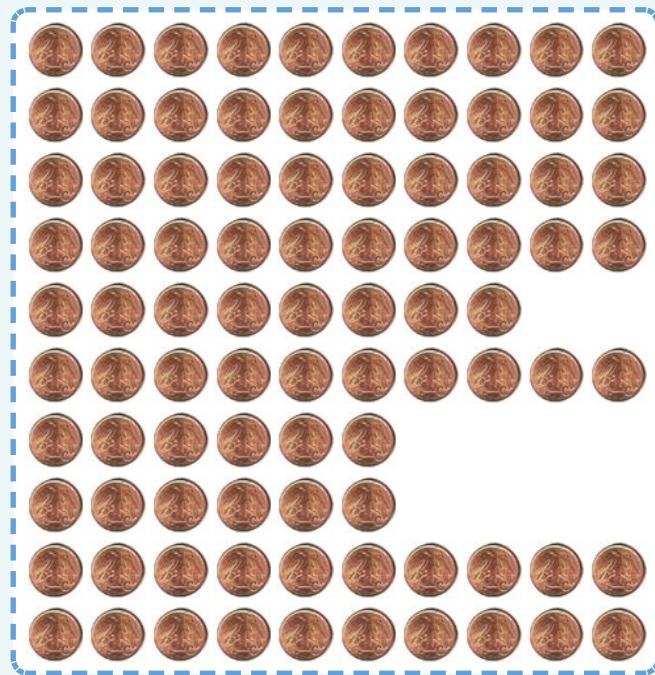
2 sibiza - R4,00.



2 sibiza - R2,00.

Ufumana amabhanana amangaki nge-R20,00?

Ufumana ama-apula amangaki nge-R9,00?



27



Ilanga:

Ithemu |

Bala ngaku thathu



Amavili ngama-3



Ibhayisigili-emavili-ntathu yi-l inamavili ama ____.



Imbhasigili ezi-5 zinamavili ama ____.

$$3 + 3 + 3 + 3 + 3 = 5 \times 3 = ____$$

Imbhasigili ezi-2 zinamavili ama ____.

$$3 + 3 = 2 \times 3 = ____$$

Imbhasigili ezi-4 zinamavili ama ____.

Imbhasigili ezi-6 zinamavili ama ____.

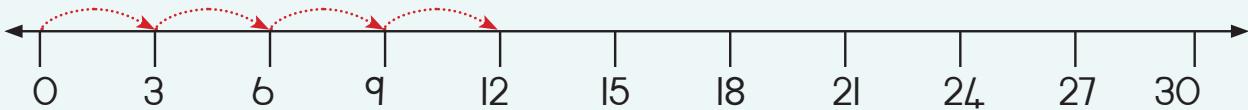
Imbhasigili ezi-9 zinamavili ama ____.

Imbhasigili ezi-8 zinamavili ama ____.

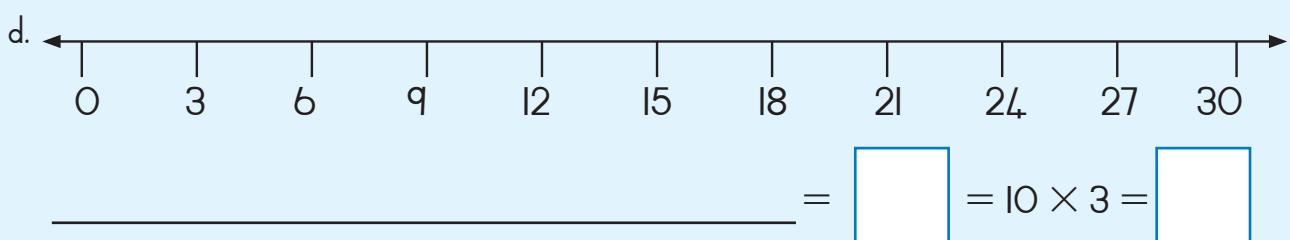
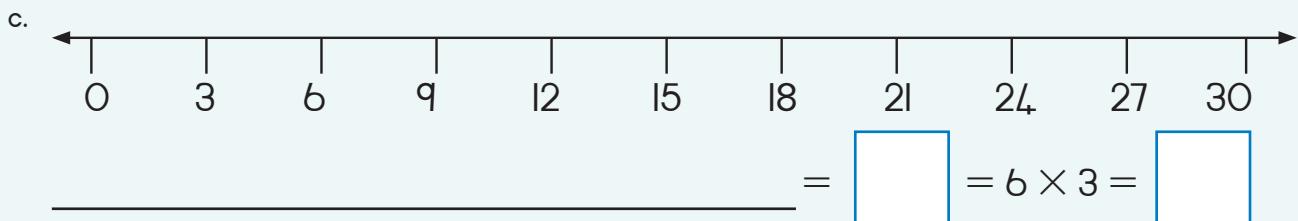
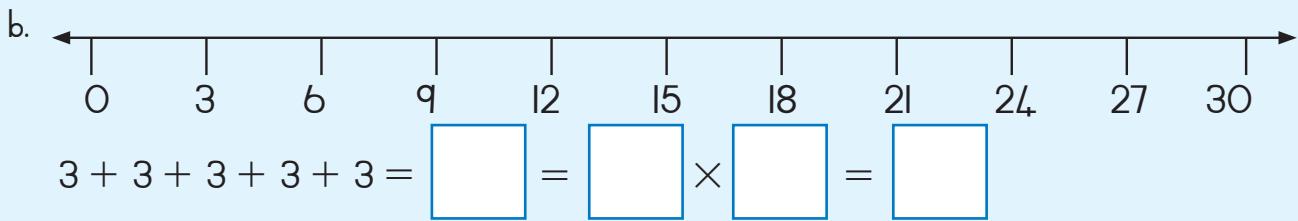


Amanambalayini

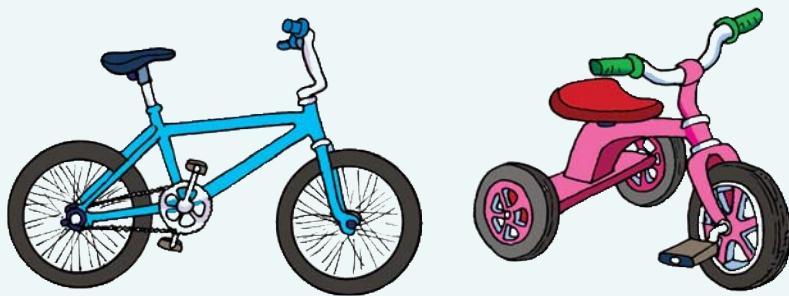
Landela isibonelo.



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



Ibhayisigili enamavili ama-2 neembhayisigili-ezimavilintathu ama-3



Esitolo seembhayisigili uBusi ubala amavili weembhayisigili neweembhayisigili-ezimavili-ntathu.

Kunamavili ali-14 sele awoke.

Kuneembhayisigili ezingaki lapho? _____

Kuneembhayisigili-ezimavili-ntathu ezingaki lapho? _____



Teacher: _____
Sign: _____
Date: _____



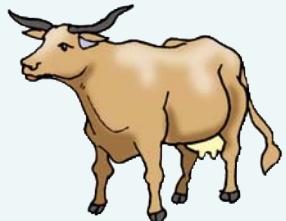
Ngikuphi okuza ngaku-4?



Imilenze emine

"Iiinkomo", ziinenyawo ezine.

Amaphuzu amanye
weenomboro ezi-4 ...
 $4 + 4 = 8; 2 \times 4 = 8$



Khuyini godu okukhamba ngakune? _____



Bala imilenze

Yaba iimpendulo.
Hlathulula kobana wenzeni.

Sebenzisa amaphuzu owaziko mayelana naku-4 ukuphendula imibuzo le:

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



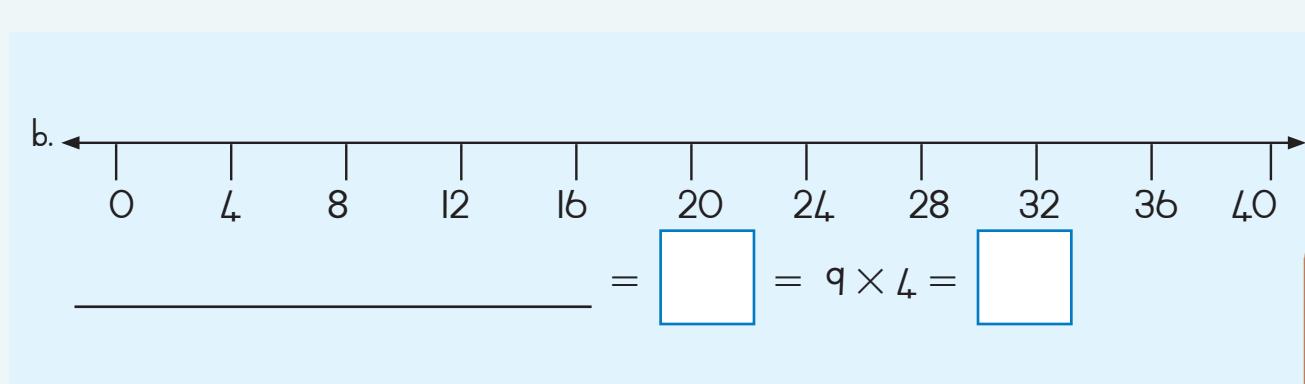
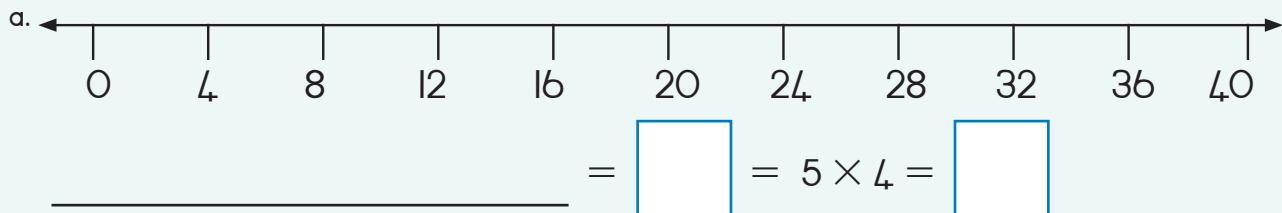
Qedelela itheyibula elandelako. Sebenzisa isibonelo ukubanelemuko.

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



Amanambalayini

Yenza isibalo sokubuyabuyeleta phezulu kwenambalayini bese uyaqedelela usebenzise ukweqa.



Teacher:
Sign:
Date:



Amaphetheni ngeenomboro

Amaphetheni wegredi

Ngiyiphi iphetheni yeenomboro eyenza iindulungu ekutjengiseni igridi ngayinye ye-100? Dweba iindulungu ezingaphezulu ukuqedelela iphetheni ngayinye. Tlola ibizo lephetheni.

a. Iphetheni: _____

			○					○	
			○					○	
			○					○	
			○					○	
			○					○	
			○					○	
			○					○	
			○					○	
			○					○	
			○					○	

b. Iphetheni: _____

○		○		○		○		○	○
○		○		○		○		○	○
○		○		○		○		○	○
○		○		○		○		○	○
○		○		○		○		○	○
○		○		○		○		○	○
○		○		○		○		○	○
○		○		○		○		○	○
○		○		○		○		○	○
○		○		○		○		○	○

c. Iphetheni: _____

	○		○		○	
○		○		○		○
○		○		○		○
○		○		○		○
○		○		○		○
○		○		○		○
○		○		○		○
○		○		○		○
○		○		○		○
○		○		○		○

d. Iphetheni: _____

		○		○		○	
○		○		○		○	
○		○		○		○	
○		○		○		○	
○		○		○		○	
○		○		○		○	
○		○		○		○	
○		○		○		○	
○		○		○		○	
○		○		○		○	

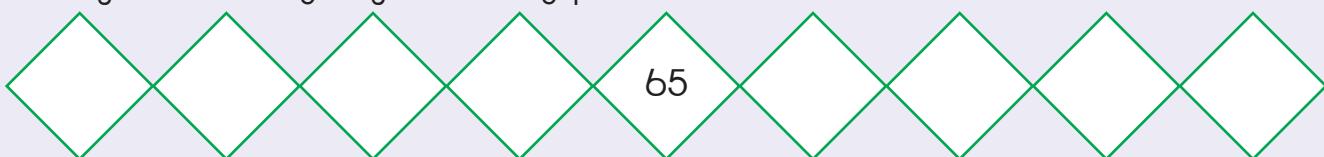


Zenzele iphetheni yakho

- a. Kilephetheni yeenomboro, iinomboro zoke ziyingana.
Inomboro enye ingaba yini? Zitlole ngaphakathi.



- b. Kilephetheni yeenomboro, iinomboro zoke azilingana.
Ezinye iinomboro zingaba yini? Zitlole ngaphakathi.



Ingabe zifanele zibe kuphi?



Iphetheni yangaku-3 neyangaku-4	Iphethe yangaku-3 neyangaku-5	Iphetheni yangaku-4 neyangaku-5
Isibonelo: 48		



Elwandle

UThembu udobha amacephe welwandle ahlangana **kwama-60** nama-70

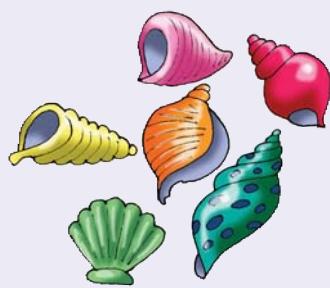
Uwabala ngaku-3, usele nali-1.

Iinomboro ekungabangizo ngilezi: bl, _____, _____, 70,

Nakabala nga-5, usalelwa ku-4.

Iinomboro ekungizo ngilezi: _____, _____.

UThembu unamacephe amangaki? _____



Teacher:
Sign:
Date:

30a



Ilanga:

Ithemu |

Ukwehlukanisa



Yabelana ngamaswidi.



- a. Yabela abentwana ababili ngokulingana amaswidi ama-30.



Singatlolola ngendlela elandelako:

$$30 \div 2 = 15$$

- b. Yabela ngokulingana amaswidi hlangana nabentwana abathathu.



$$\div =$$

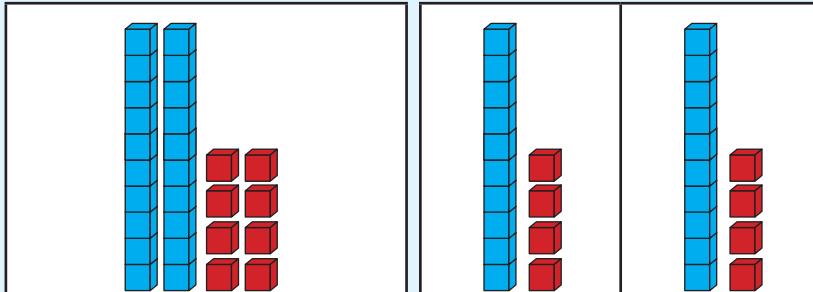
- c. Amaswidi ahlukaniselwe abentwana aba-5



$$\div =$$



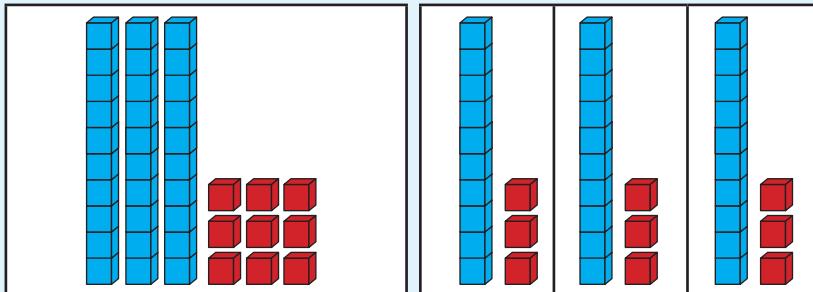
Singasebenzisa iinomboro zamabhlogo ukwabelana.



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

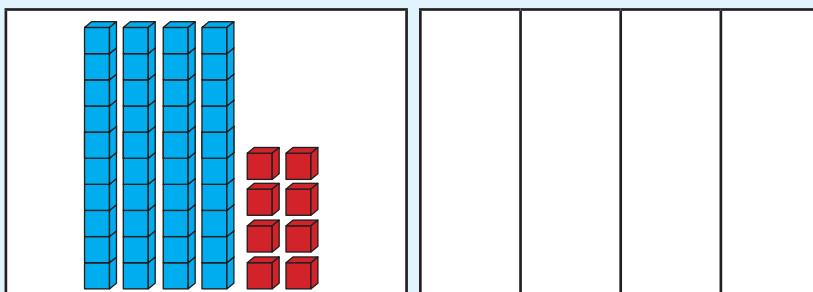
Kwanje yenza lokhu.

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:	<input type="text"/>
Sign:	<input type="checkbox"/>
Date:	<input type="text"/>

3Ob



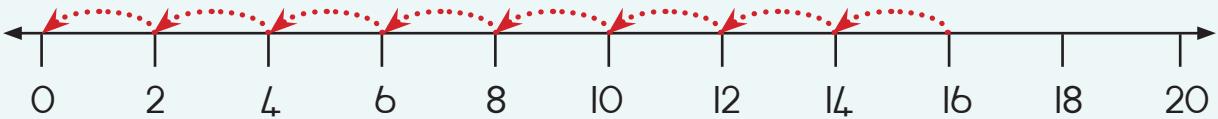
Ilanga:

Ithemu |

Ukwehlukanisa (kuragela phambili)

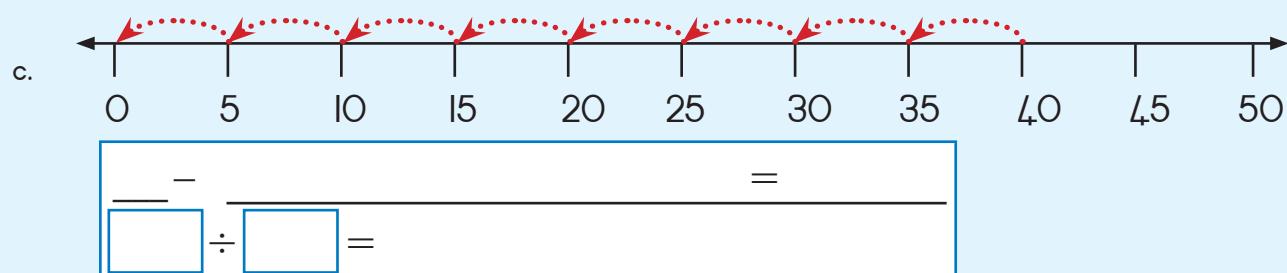
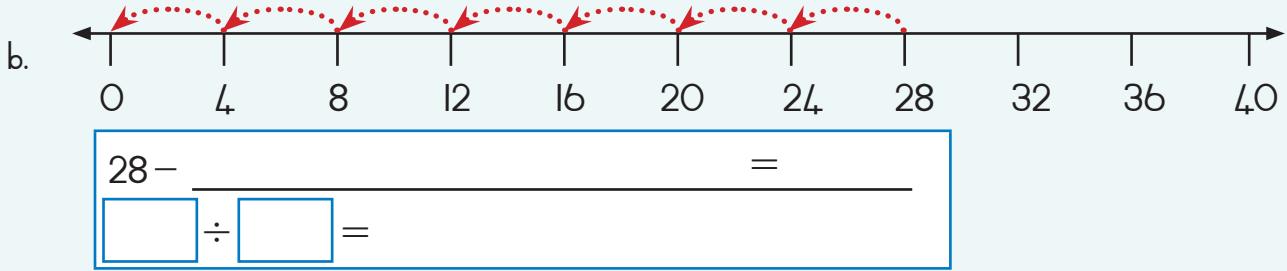
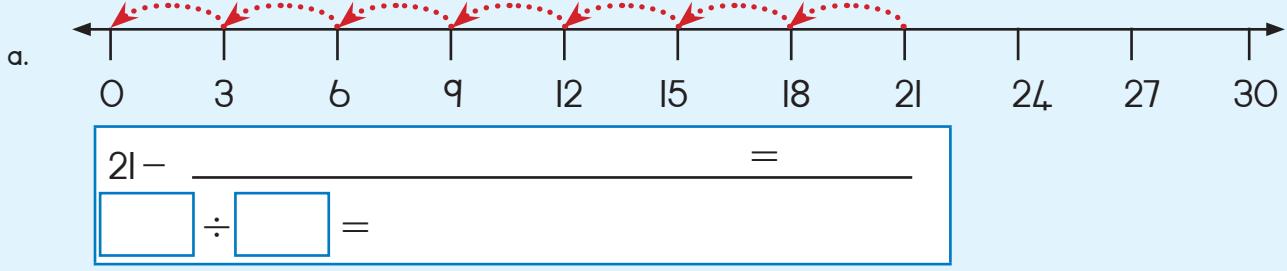


Sebenzisa amanambalayini ukutlola umutjho weenomboro okhuphako nanyana ohlukanisako. Isibonelo:



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

$$16 \div 2 = 8$$





Thala inambalayini urarulule imitjho yeenomboro.

a. $30 \div 5 =$



b. $22 \div 2 =$



c. $27 \div 3 =$



d. $32 \div 4 =$



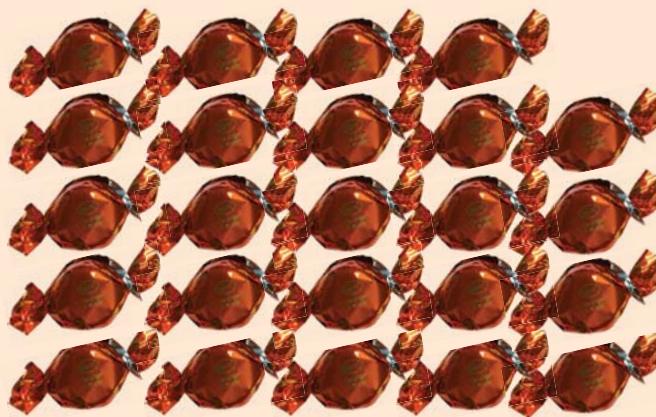
e. $25 \div 5 =$



Iselele

Tjengisa iindlela ongazilandela
ukwabela iinqhemha
zabentwana amaswidi
ama-24 ngokulingana.

Tlola umutjho weenomboro
ukutjengisa
ipendulo yakho.



Teacher: Sign:	Date:
-------------------	-------

3I



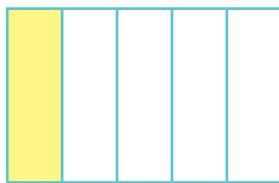
Ilanga:

Ithemu |

Amacezu

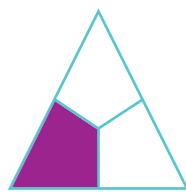


Thala umuda umadanise ibumbeko necezu elifaneleko.



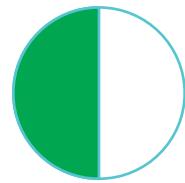
$$\frac{1}{3}$$

ingcenyé yakuthathu



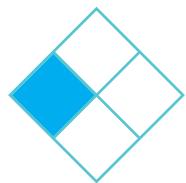
$$\frac{1}{5}$$

ingcenyé yakuhanu



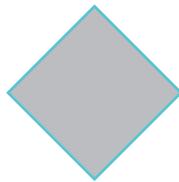
$$\frac{1}{4}$$

ingcenyé yekotara

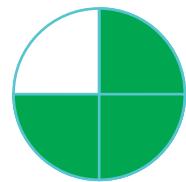


$$\frac{1}{2}$$

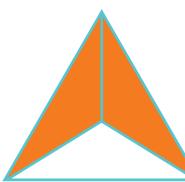
ingcenyé yehafu



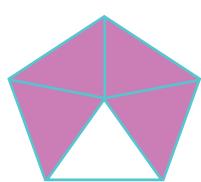
iingcenyé
ezintathu
zamakotara $\frac{3}{4}$



iingcenyé
ezine
zakuhanu $\frac{4}{5}$

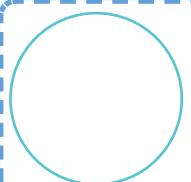


Okukodwa
okuzeleko



iingcenyé
eziimbili
zakuthathu $\frac{2}{3}$

Hlukanisa bese uyakhala:



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

ingcenyé yehafu



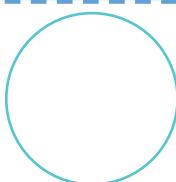
$$\frac{1}{3}$$

ingcenyé yakuthathu



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

ingcenyé yekotara



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

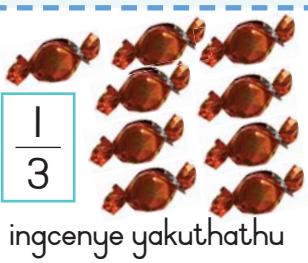
ingcenyé yakuhanu

Tjengisa icezu ngokuthala umuda osuka enomborwени enembako yamasbidi.



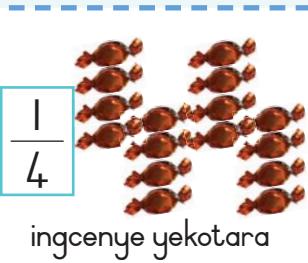
$$\frac{1}{2}$$

ingcenyé yehafu



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

ingcenyé yakuthathu



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

ingcenyé yekotara

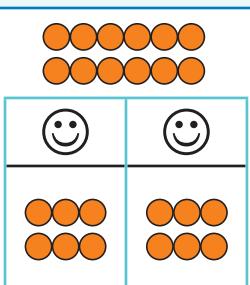
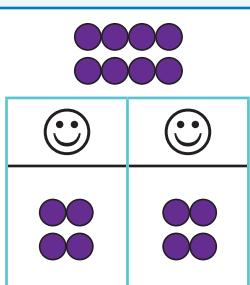
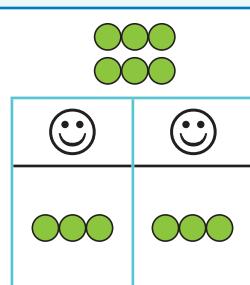
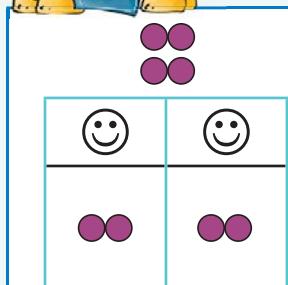


$$\frac{1}{5}$$

ingcenyé yakuhanu



Yabela abentwana ababili iimbalisi.



- Omunye nomunye ufunyene iimbalisi ezi- 2
- Ihafu yeembalisi ezi- 4ngu 2.

- Omunye nomunye ufunyene iimbalisi ezi- _____
- _____ yaka _____ngu _____.

- Omunye nomunye ufunyene iimbalisi ezi- _____
- _____ yaka _____ngu _____.

- Omunye nomunye ufunyene iimbalisi ezi- _____
- _____ yaka _____ngu _____.

$$4 \div 2 = 2$$

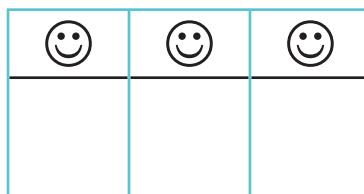
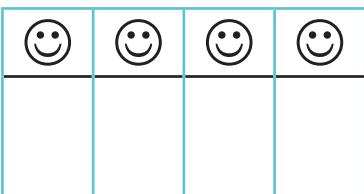
$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$



Yabela abentwana amaswidi ngokulingana.



- ikotara amaswidi = 3
- amakotara amabili amaswidi = _____
- amakotara amathathu amaswidi = _____
- amakotara amane amaswidi = _____

- isiquantu esisodwa sesithathu amaswidi = _____
- iinquntu ezimbili zesithathu amaswidi = _____
- iinquntu ezintathu zesithathu amaswidi = _____



Teacher: _____
Sign: _____
Date: _____



Sekusikhathi



Ukuya ngesidleni

Singatlolā isikhathi esifanako ngeendlela ezihlukileko.

2:15 likotara ngemva kwelesibili	5:30 siquntu ngemva kwelesihlanu	9:45 likotara ngaphambi kweletjhumi

Tlola lokhu ngeendlela ezimbili ezihlukileko.

_____	_____	_____

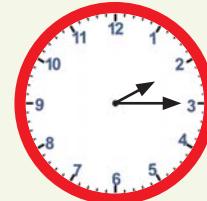
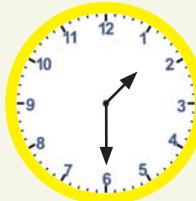


Ukuya ekhaya

UBen uthatha isikhathi esingangani ukufika ekhaya?

imizuzu

ama-iri



UBen usuka
esikolweni.

UBen ufika
ekhaya.



Isikhathi siyagijima

Isikhathi ngaku-2 ...



Mingaki ...

imizuzu ema-irini ama-2? _____

ama-iri ngamalanga ama-2? _____

amalanga ngeemveke ezi-2? _____

iinyanga ngeminyaka emi-2? _____



Malanga amangaki?

UMrhayili 27 liLanga leKululeko.

USihlabantangana						
Mvl	Lsb	Lst	Lsn	Lsh	Mgg	Snd
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					

UmMrhayili						
Mvl	Lsb	Lst	Lsn	Lsh	Mgg	Snd
		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		

UMgwengweni						
Mvl	Lsb	Lst	Lsn	Lsh	Mgg	Snd
					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

- Ukusukela ngelanga lekuleleko ukufika ngelanga labatjha kuna _____ weenyanga zoke, _____ wamaveke woke na. _____ wamalanga.
- Zingaki iimveke zoke kikho koke? _____ Mangaki amalanga aseleko? _____. Mangaki amalanga kikho koke? _____.
- Ilanga lamabeletho wakaLebo limalanga ali-7 ngaphambi kweLanga leKululeko. Ilanga lamabeletho wakaMusa limalanga amabili ngemva kwelanga leLutjha.

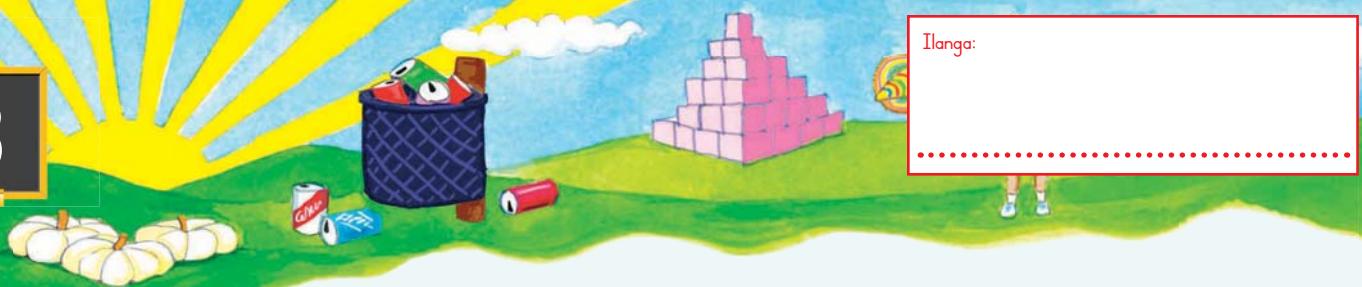
Ngubani omdala? _____ Ngamalanga amangaki? _____

Tjhega. Madanisa.
Lungisa.



33

Ithemu 2

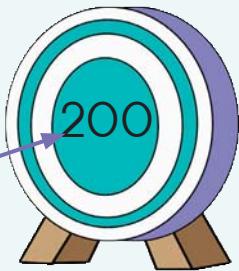


Ilanga:



Balani iiinomboro

Balani benitjho zoke iiinomboro kusukela e-101 ukuya ema-200.
Khombani nanilokhu nibala.



101	102										
111											
121											
131											
											149
								154			
									165		
										173	
											180
										186	
											198
											200



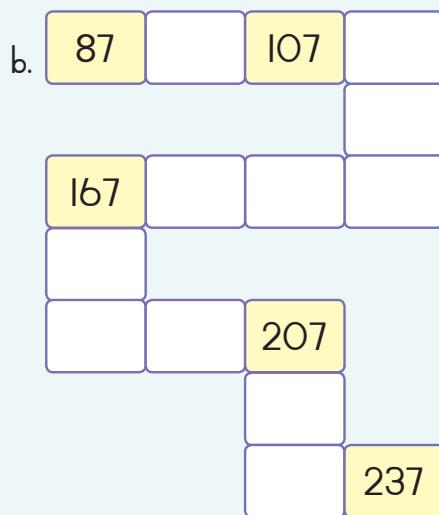
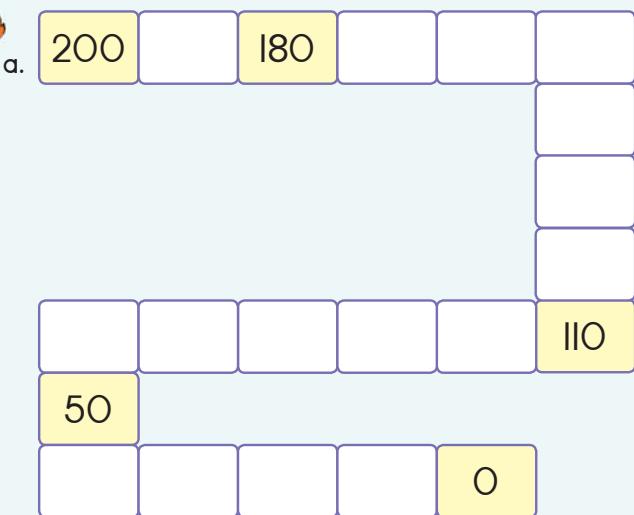
Tlolani iiinomboro

- a. Tlolani inomboro etlhayelako esikwereni ngasinye esihlaza kwesibhakabhaka.
- b. Tlolani zoke ezinye iiinomboro.
- c. Tlolani iiinomboro ezili-10 ezilandelako ngemva kwama-200.

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



Ingangani imeqo?



Qedelela

$$200 + 30 + 5 = 235$$

$$200 + 40 + 7 = \underline{\quad}$$

$$200 + 60 + 8 = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = 293$$

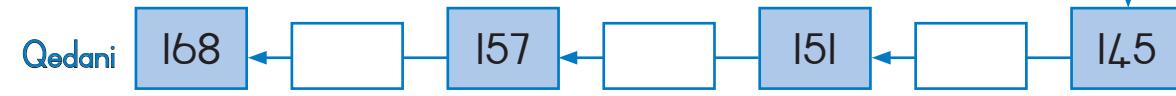
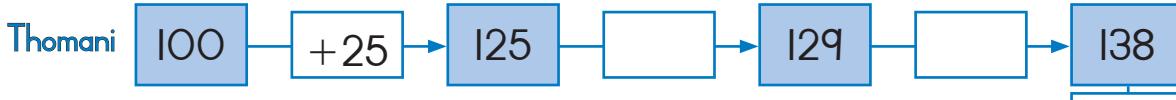
$$\underline{\quad} + \underline{\quad} + \underline{\quad} = 256$$

Hlela iinomboro zilandelane kusuka kencani kuye kekulu.



Balani kusukela e -100

Zalisa amabhoksi anganalitho ngokubala kobana ngikuphi okutlhogako ukufika enomborweni elandelako.



Teacher:
Sign:
Date:



Ukusebenza ngamabuthelelo weenomboro

Ukupaka amakerese

UNaNkosi usebenza efemini yamakerese.

Lokha amakerese nasele alungile, uwapaka ngendlela le elandelako ngamathreyi eenrageni.



Kunamakerese amangaki ethreyini ngayinye? _____

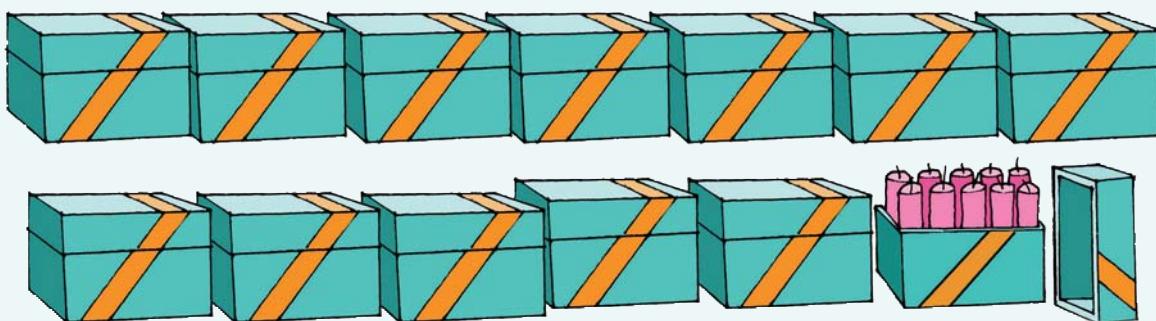
Kunamathreyi amangaki erageni ngayinye? _____

Kunama-keresi amangaki erageni ngayinye? _____



Amabhoksi wamakerese

Okulandelako uNaNkosi uvala amabhoksi.



- a. Bala amabhoksi.

Mangaki? _____

Amakerese mangaki selawoke? _____

Kufanele kwenziwe mangaki amanye amabhoksi ukwenza ama - 200
wamakerese? _____

- b. Mangaki amabhoksi we:-

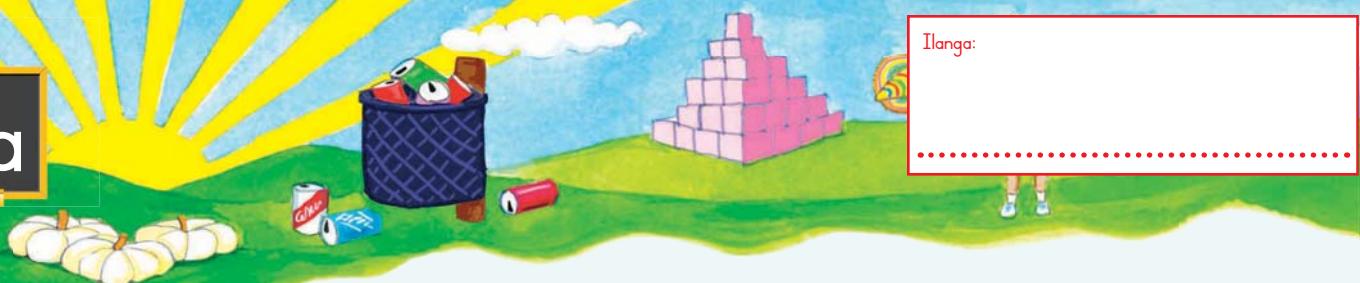
amabhoksi ama - 2, _____	amabhoksi ama - 4, _____
amabhoksi ama - 5, _____	amabhoksi ama - 3, _____
amabhoksi ama - 6, _____	amabhoksi ama - 7, _____

- c. Mangaki amabhoksi awadingako we:

40 _____ amabhoksi	70 _____ amabhoksi
50 _____ amabhoksi	30 _____ amabhoksi



35a



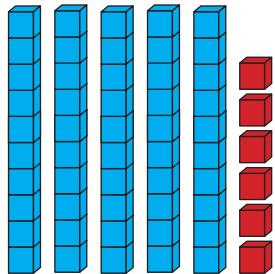
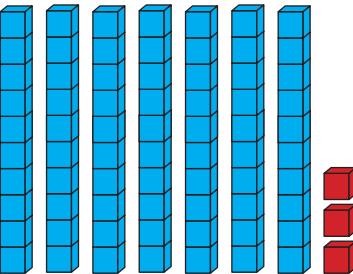
Ilanga:

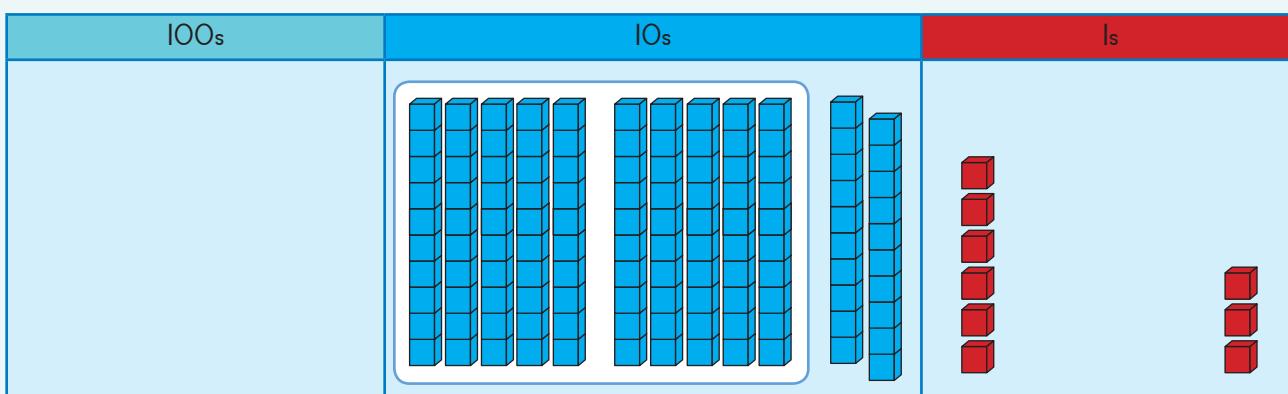
Ithemu 2

Ukubeka amatjhumi ndawonye nokuwahlukanisa

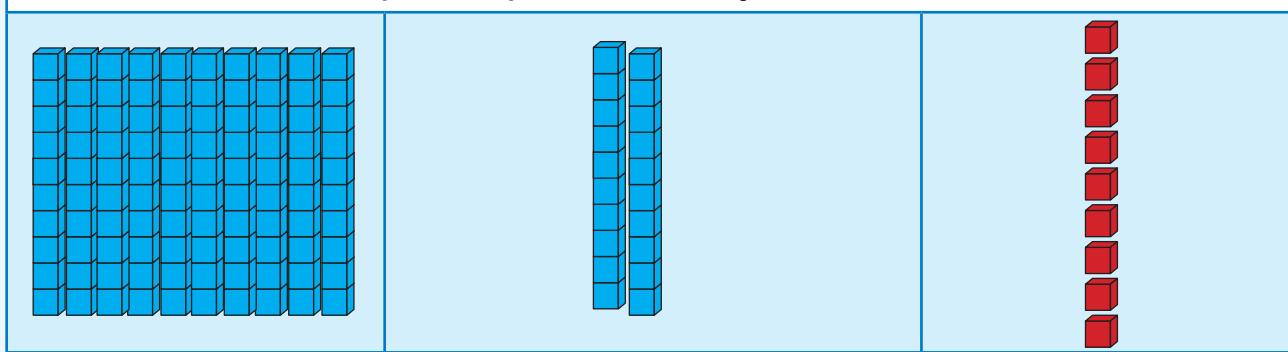


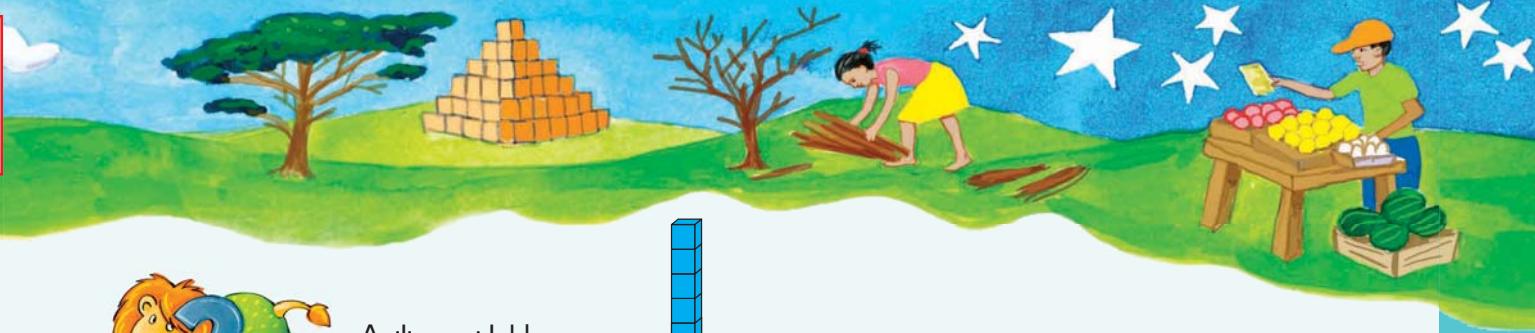
Ukubeka amatjhumi ndawonye lokha nasihlanganisako.

Asihlanganiseni $56 + 73 =$		+	
	amatjhumi ama-5 namayunidi ama-6		amatjhumi ali-7 namayunidi ama-3

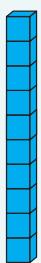


Singabeka amatjhumi ama-10 ndawonye ukwenza ikhulu li-l.





Asilingeni lokhu.



ne



Isibonelo: $82 + 34$



$100 + 20 + 6 = 126$

b. $65 + 52$

c. $76 + 63$

d. $86 + 65$



35b



Ilanga:



Ukubeka amatjuhumi ndawonye nokuwahlukanisa (kuragela phambili)

Sebenzisa amabhlogo wobukhulu beenomboro.

Sebenzisa amabhlogo wobukhulu beenomboro ukwenza iinomboro ezimbilezi.	Koke ndawonye mangaki amatjhumi? bangaki abowani?	Ingabe uhlele amatjhumi namkha abowani? Tjhega ubukhulu beenomboro lapho uhlela kabutjha.	Tlola inomboro.
$23 + 99 =$	_____amatjhumi _____abowani	abowani aba-II + amayunidi ali-I2 = 110 + 12	I22
$38 + 25 =$	_____amatjhumi _____abowani		
$77 + 31 =$	_____amatjhumi _____abowani		
$68 + 45 =$	_____amatjhumi _____abowani		
$83 + 47 =$	_____amatjhumi _____abowani		



Asibekele amatjhumi ngeqadi lokha nasikhuphako

Lokha nasikhuphako, kesinye isikhathi sitlhoga kobana sitjengise itjhumi linye njengabowani abalitjhumi, namkha ikhulu njenge-10 elimatjhumi.

Asikhuphe kuma: $60 - 55 =$

Sithoma ematjhuminini amathandathu begodu hayi abowani. Sifuna ukukhupha amatjhumi amahlanu nabowani abahlanu

(abowani esibususako sibafake umbala omlotha.)

Singatjengisa amatjhumi amathandathu nje.	Namkha njengamatjhumi amahlanu nabowani abalitjhumi.	Susa amatjhumi amahlanu nabowani abahlanu. Abowani abahlanu basele.	
			$60 - 55 = 5$



Asilingeni lokhu.

a. $70 - 28$

7 amatjhumi	6 amatjhumi ne-10 labowani	70 - 28 =	

b. $90 - 46$

c. $80 - 53$



Fumana ipara yeenomboro

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	



Teacher:
Sign:
Date:



Ukuvakatjhela udonhodere wamazinyo

Isiqhema sabentwana sivakatjhela udonhodere wamazinyo.



Lokhu ngilokho abentwana abamtjela khona



= ka-l

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

- a. Bala amathiki atjengisa kobana abentwana bahlamba amazinyo wabo kangaki. Tlola iinomboro (✓).

 Kanye ngelanga	
 Kabili ngelanga	
 Kathathu ngelanga	

- b. Ubona ini phezulu kwetafula?

Inengi labentwana lihlamba amazinyo wabo _____ ngelanga.

Kunabentwana aba _____ esiqhemeni.



Gwala/Dweba igrafu yeenthombe ezitjengisa kobana abentwana bawahlamba kangaki amazinyo wabo ngelanga.

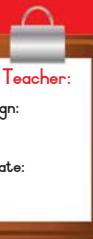
 I = kanye



Yenza iphenyo ngetlasini lakho. Buza abentwana abahlangana ne-15 – 20.

a. Bawahlamba kangaki amazinyo ngelanga? _____

b. Gwala igrafu yeenthombe efana nale engehla ukuze utjengise okufunyeneko.



37a



Ilanga:



Tlola inani lakho

Hlanganisa



UBusi angahlanganisa **ngamayunidi**-I begodu **nangamatjhumi** begodu ahlele kabutjha.
Angahlanganisa begodu akhuphe ephepheni, elinganabhlogo.
Kesinye isikhathi uthanda ukuthoma ngamakarada weenomboro zakhe
ukutjengisa iinomboro.

Ngalokho enanini lama- $56 + 73$, ufumana amakarada lawa:

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

Uhlanganisa ngaku-I bese ubeka phasi amakarada ali-9.

Uyazi: $50 + 70 = 120$.

Uthatha **amakhulu, namatjhumi** begodu
nekarada **lamayunidi**

ukwenza inomboro enamadjidi ama-3.

q

Uyitlola ngendlela le:

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

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

UTumi uyazi kobana amabhlogo asebenza njani.
Wenza ama- $56 + 73$ ngendlela le:

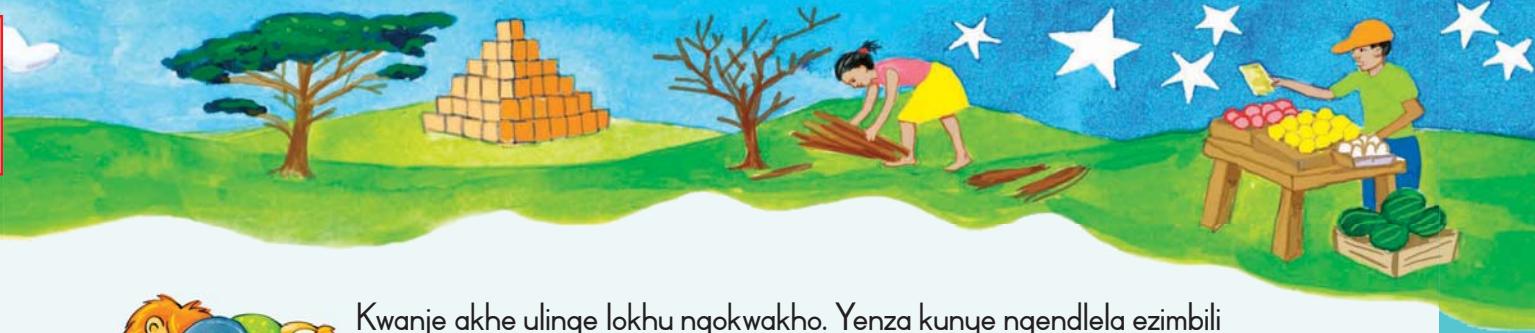
$$\begin{aligned} 50 + 6 + 70 + 3 \\ \cancel{+ 56} \quad \cancel{+ 73} \\ 120 + 9 \\ = 129 \end{aligned}$$



U-Aakar uthanda ukwenza lokhu: Ngithanda ukwenza okupheleleko. Le ngiyenza ngendlela le:

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





Kwanje akhe ulinge lokhu ngokwakho. Yenza kune ngendlela ezimbili ezihlukeneko.

a. $86 + 62$

Indlela yakaBusi.

$$80 + 60 + 6 + 2$$



Indlela yaka-Dumi

$$80 + 6 + 60 + 2$$



b. $72 + 63$

c. $81 + 57$

d. $69 + 71$

Sebenzisa iindlela ka-Aakar ukwenza lokhu.



Teacher: _____
Sign: _____
Date: _____

37b



Ilanga:



Hlanganisa (kuragela phambili)

Kwanje asikhuphe.

a. $87 - 53$

Indlela yakaBusi.

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



Indlela yaka-Tumi

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



b. $95 - 73$

c. $86 - 62$

d. $85 - 69$



Rarulula!

Kuneendlela ezinengi zokuhlanganisa **ngamayunidi** **nangamatjhumu** ndawonye. Khetha indlela oyaziko begodu noyithanda khulu ukurarulula imiraro le. Tjengisa umsebenzakho.

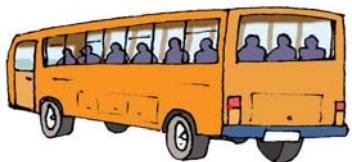
- a. UPeter uthoma ngokudobha iimperegisi ezima-34 begodu neemperegisi ezima-67.
Zingaki iimperegisi nasele zizoke?



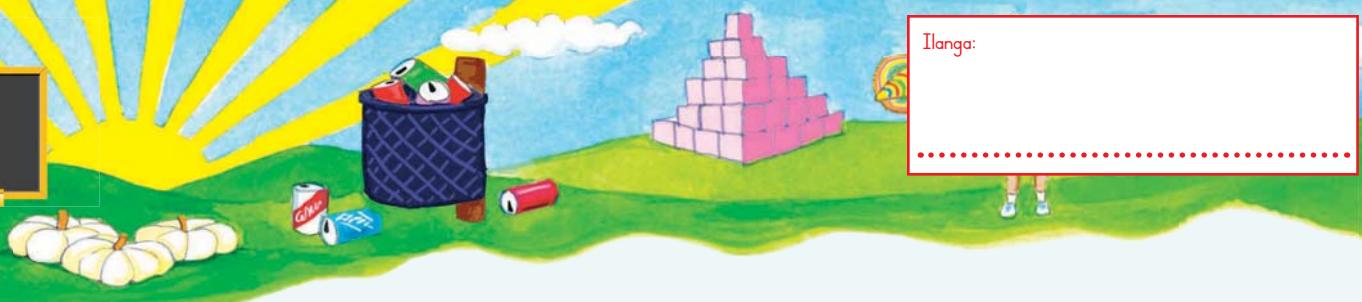
- b. Abentwana baka Malusi babulunga ama-R47 nasele awoke.
Unina ubanikela ngaphezulu amaranda ama-R58. Sebanamalini kwanjesi?



- c. Ibhesi yesikolo ikhamba 88 km ekuseni begodu 73 km ngemva kwedina.
Mangaki ama-km nasele awoke?



Teacher:
Sign:
Date:



Ilanga:



Iimvalo zamabhodlelo

Rarulula!

Sebenzisa enye nenyе indlela oyithandako.
Tjengisa umsebenzakho.



USipho



U-Andile

USipho ubala iimvalo zamabhodlelo ezima-87. U-Andile ubala ezima-38.

USipho ubale iimvalo ezingaki ngehla kwakaSandile?



Ikhonsadi yesikolo



UMusa

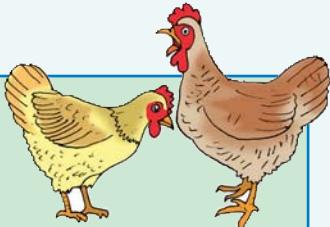


UMusa uthengise amathikithi. Unamathikithi ama-92 athoma ngawo. Usele nama-67.

Bekube njenganje uMusa sele athengise amathikithi amangaki?



Ukuzijayeza



Kunamadzinyani ama -69 ngepanini yinye begodu ama -95 angakenye. Kuneenkukhu ezingaki lapho nasele zizoke?
Funda kobana uGugu noAakar bawusombulula njani umraro.

Indlela kaGugu

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



Indlela kaAakar

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

Ingabe uyazi kobana
kubayini Ngikhuphe
ku-ī?



- a. Abesana babuthelela ama -R96 ukulungiselela ikhambo letlasi. Abentazana babuthelela ama -R79. Ingabe babuthelele malini nasele iyokeye?

Sebenzisa indlela kaGugu

Sebenzisa indlela kaAakar

- b. Isikolo sinye sibuthelela amabhlegana ama -76 kg. Esinye isikolo sibuthelela amabhlegana ama -68 kg. Ma-kg amangaki wamabhlegana abuthelelwwe ziinkolo ezimbili nasele awoke?

Sebenzisa indlela kaGugu

Sebenzisa indlela ka-Aakar



Teacher:
Sign:
Date:

39



Ilanga:

Ithemu 2

Bala bewubalisise



Fumana ingcanye

Tlola iinomboro ezitlhayelako.

a.

100	
	27

b.

100	
39	

c.

100	
43	

d.

100	
56	

e.

200	
140	

f.

200	
	110

g.

200	
135	

h.

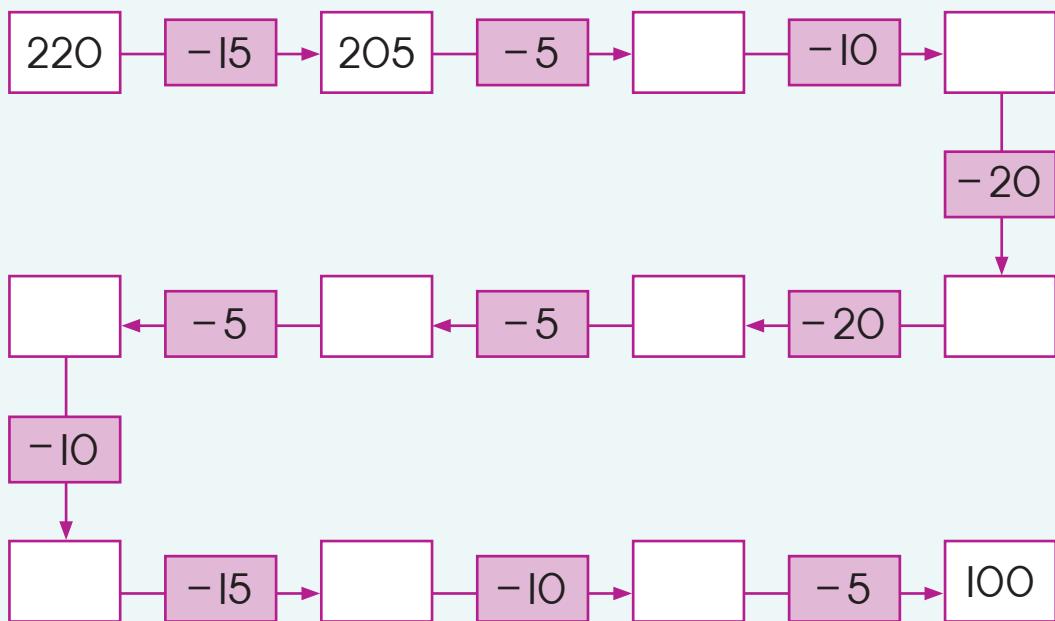
200	
	120



Ukukhupha sinyovana kusukela ema-220 ukuya e-100.

Ukhupha inomboro engebhoksini elipinki.

Yokuthoma selewenzelwe yona.



Nasi indlela
yokutjhenga
iimpendulo
zakho!
Thoma
e-100!

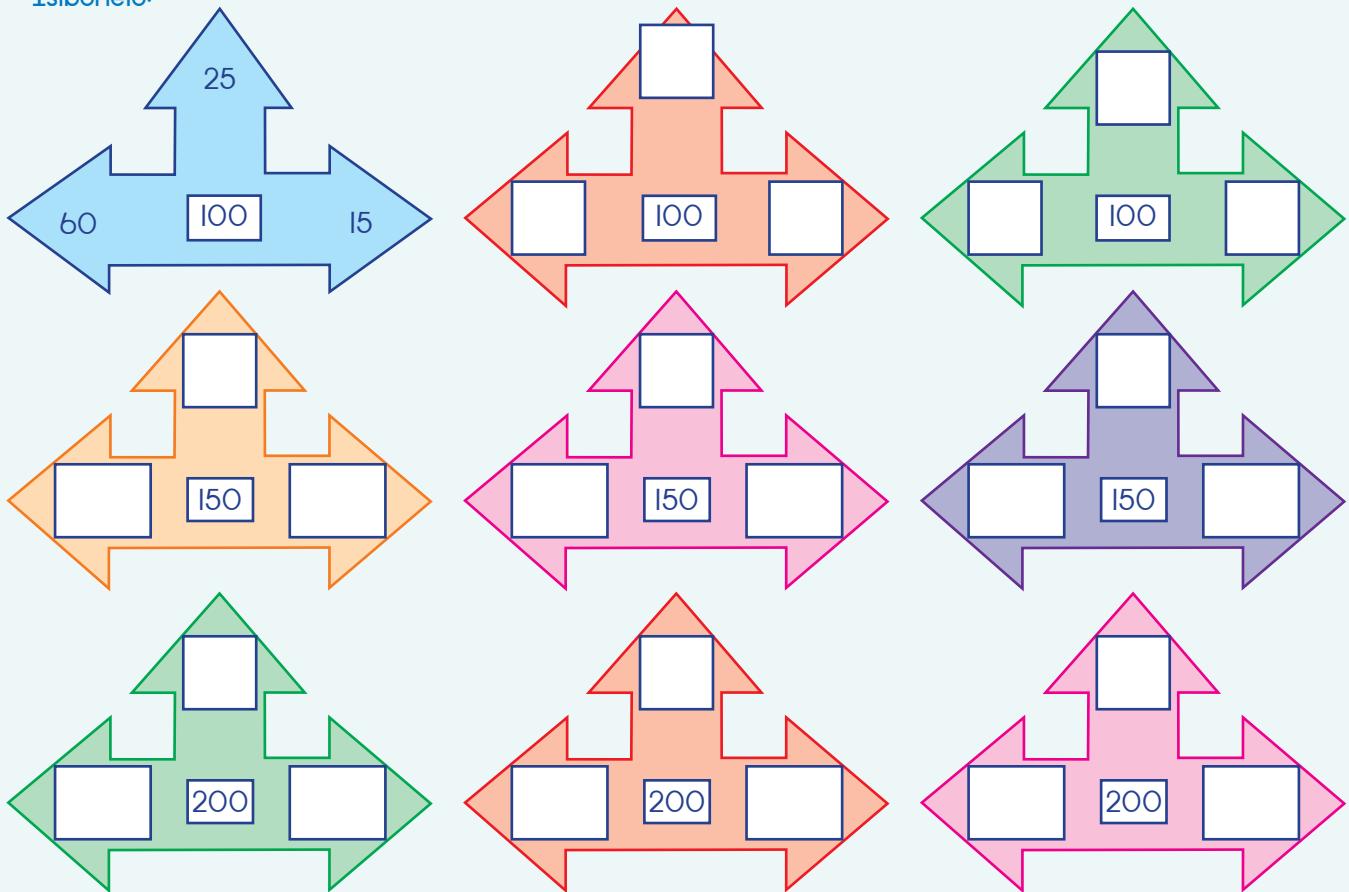
Sebenzela
emva ukuya
ema-220.

Kodwana
kwanjesi,
hlanganisa
iinomboro.



Imindeniyangabathathu

Isibonelo:



Amatjhumi ama-50 ngaphezulu namatjhumi ama-50 ngaphasi.

Tlola iimpendulo emideni wesi-2.

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



Teacher:
Sign:
Date:

40

Ilanga:

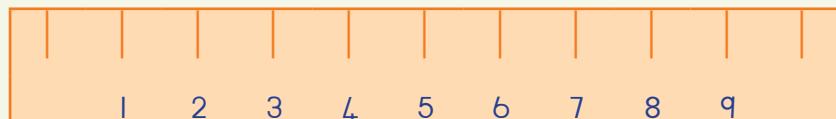


Ithemu 2



Ukumeda ngamasenthimitha

Isentimitha lingangani?



Iinomboro eruleni zijamele **amasenthimitha**.

Sisebenzisa isirhunyezo namkha itshwayo **cm**.

Lokha nawusebenzisa irula, kufanele uthome ukumeda kusukela ku-O.

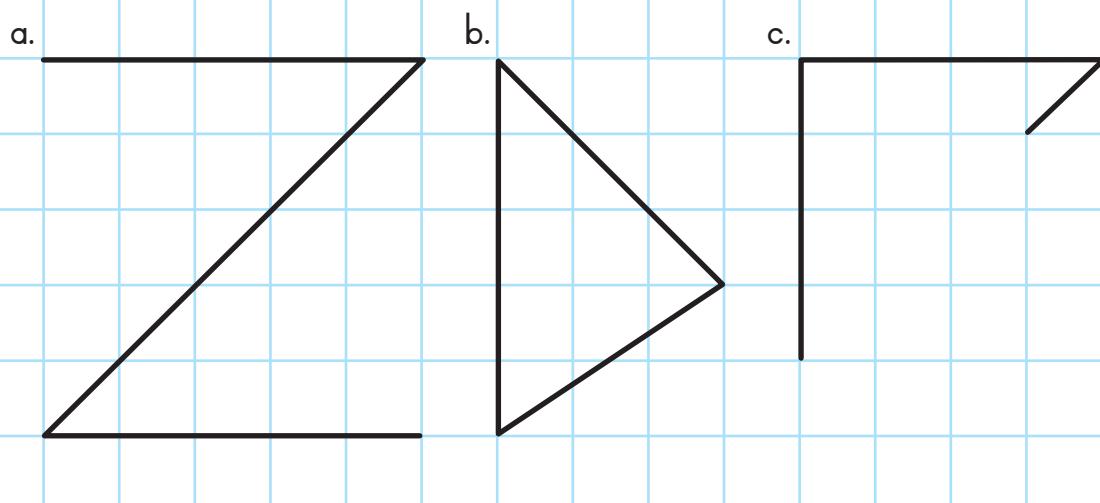
Amanye amarula akatjengisi u-O njengale esekhasineli.

Fumana uziro cm eruleni. Tlola u-O eruleni.

Ikuphi i-10 cm eruleni le? Tlola i-10 lapha.



Linganisa, bese ulinganisa ngefanelo ngerula yakho, inani elipheleleko lobude bemida leyo ngama-cm.



a. Linganisa ama-cm

b. Linganisa ama-cm

c. Linganisa ama-cm

Meda ama-cm

Meda ama-cm

Meda ama-cm



Ingabe umuda ngamunye mude kangangani?

Umuda ngamunye unama-cm amangaki ubude?

Sebenzisa umunwakho ukusize ukuqunta.

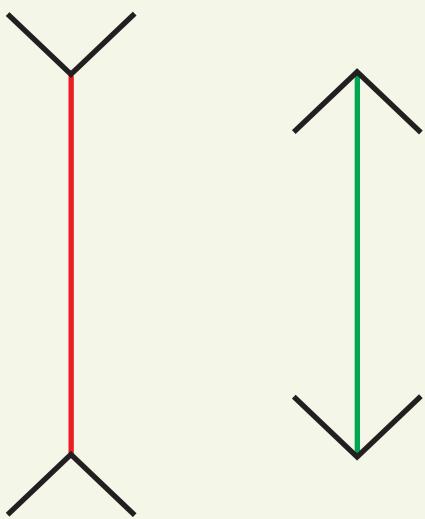
a. —————	<input type="text"/> cm	d.	<input type="text"/> cm
b. ——————	<input type="text"/> cm	e. ——————	<input type="text"/> cm
c. —————	<input type="text"/> cm	f. ——————	<input type="text"/> cm



Uqinisekile?

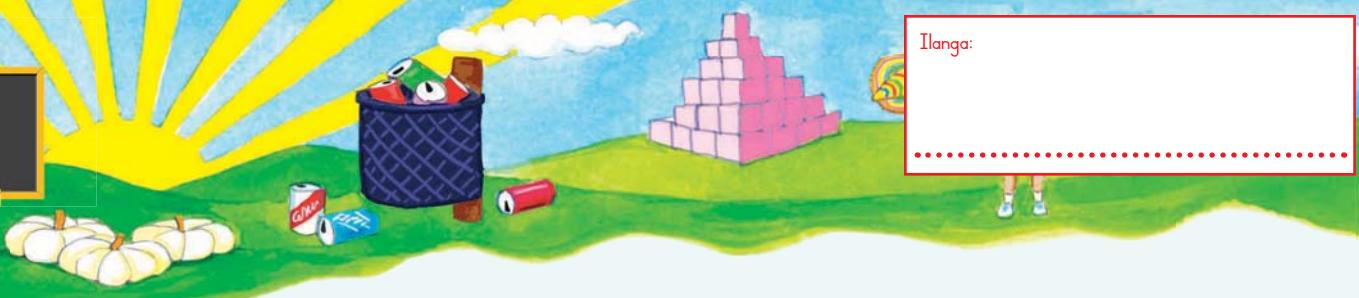
Ngimuphi omudenyana, umthala obomvu namkha umthala ohlaza satjani?

Ungatjhega bunjani?



Lokhu ngilokho okubizwa ngokuthi kuphambanisa amehlo. Kwenzeka lokha amehlwakho abona kwangathi kunento kanti ayikho. Imida emibili le iyalingana. Imida enzima elulekela ngaphandle yenza kobana imida ebouv ibonakale kwanga mide kanti imida enzima engenela ngaphakathi yenza imida ehlazakotjani ibonakale kwangamide.



4

Kunqotjhwe kuma - 300



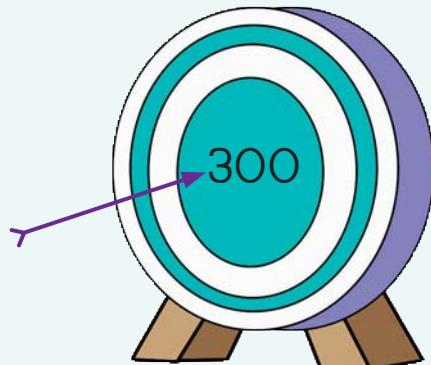
Bala bewutlole ama - 200!

Bala kusukela ema - 201 ukuya ema - 300.

Khomba nawulokhu uragela phambili.

Zalisa iinomboro ezihlaza kwesibhakabhaka qange.

Tlola ebunengini beenomboro.



201					207			210
211								
221								
231								
							249	
			254					
				265				
								280
281					286			
							298	300



Tlola iinomboro ezili - 10 ezilandela ngemva kwama - 300.

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



Khuyini ukweqa?

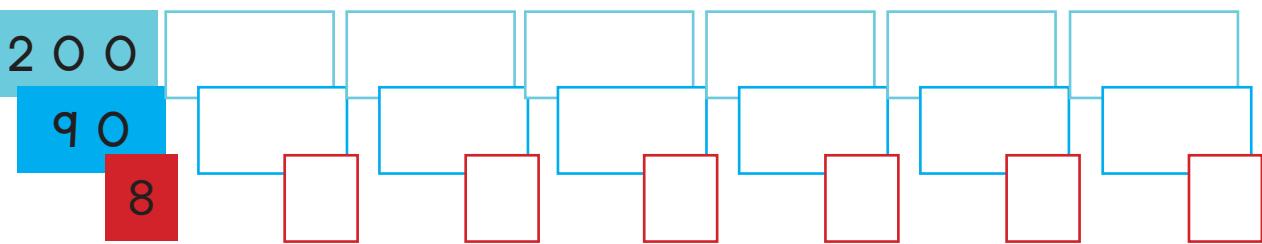
30I		28I						
		17I						2II
							10I	



Tjhejisisa begodu umadanise

- a. Tlola iinomboro ezingena ngekaradeni elinye nelinye.

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



- b. Tlola iinomboro ngokulandelana kusukela kezincani ukuya kezikulu.

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



Ubuyelwa yimalini? Tlola iinomboro ezithlayelako.

Thoma



Phetha



Teacher:
Sign:
Date:

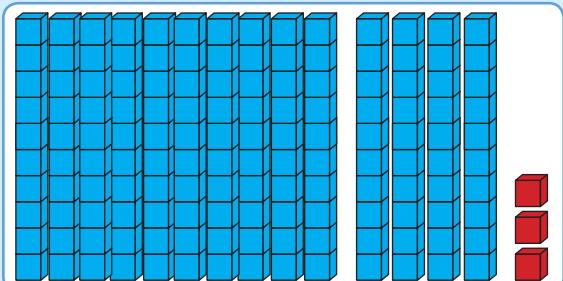
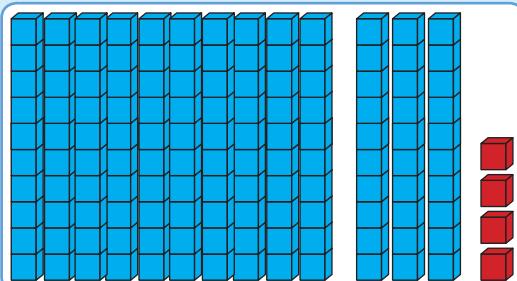
42



Ukuhlanganisa kanye nokukhupha ngama -100

Ithemu 2

Ukuhlanganisa usebenzise amabhlogo.



100 30 4

+

100 40 3

$$\begin{aligned}
 &= 200 \quad 70 \quad 7 \\
 &= 277
 \end{aligned}$$



Funyana iindlela ezimbili zokwenza lokhu. Tjengisa ipendulo enye nenyengethlelo ezimbili.

a. $132 + 123$

Indlela yaka-Busi

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



Indlela yaka-Tumi

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

b. $114 + 162$



c. $276 + 148$



Funda enye nenyé indlela. Sebenza esinye nesinye isibalo ngeendlela ezimbili.

a. $158 - 146$

Indlela yakaBusi

$$= 100 - 100 + 50 - 40 + 8 - 6$$

$$= 0 + 10 + 2$$

$$= 12$$



Indlela yakaTumi

$$158 - 146$$

$$= 0 + 10 + 2$$

$$= 12$$



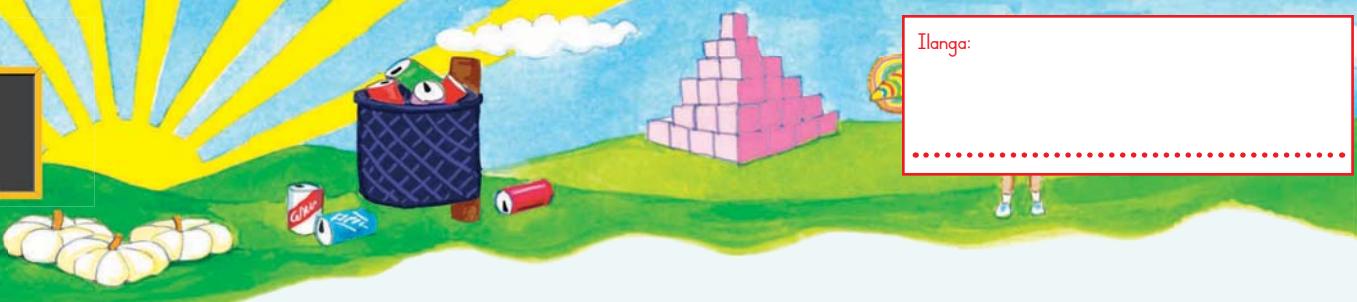
b. $194 - 122$

c. $288 - 199$



Teacher: _____
Sign: _____
Date: _____

43



Ilanga:

Ithemu 2

Kunqotjhwe kuma-400

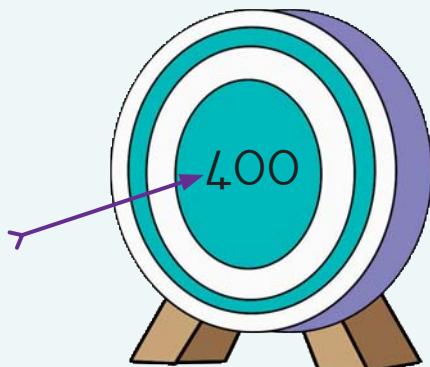


Ukubala kanye nokutlola ama-400

Ukubala kusuka kuma-300 bekufike kuma-400.

Phimisela/Yitjho iinomboro nawulokhu uya phambili ubala.

Tlola iinomboro ezitlhayelako kugridi.



301									310
				315					
									330
331				335					
								249	
				365			368		
									390
									400



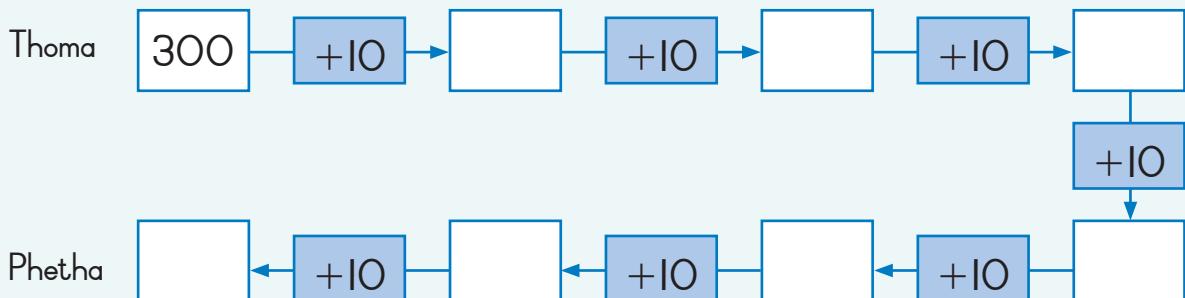
Tlola ezinye iinomboro ezili-9 eziza ngemuva kwama-400.

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

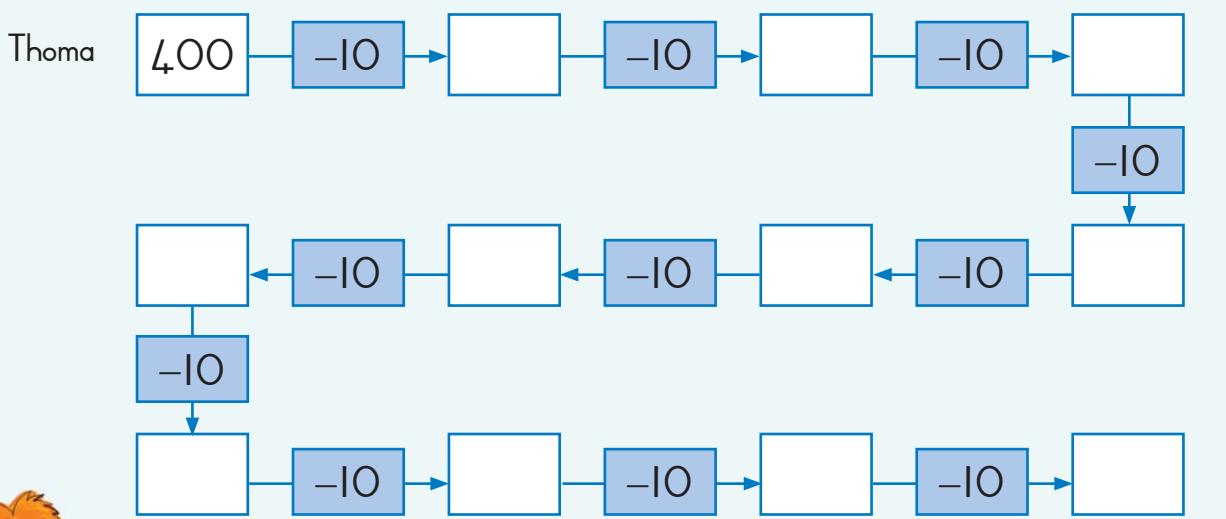


Bala uye phambili ubuye ubale sinyovana.

- a. Ukubala kusuka kuma-300 nokuya phambili



- b. Bala ukusuka kuma-400 ubuyele emuva ngama-10.



Tlola kube yinomboro eyodwa

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

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

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

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

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

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

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

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

Tlola inomboro ngokulandelana kusuke kencani kuye kekulu khulu.

 , , , , , , ,



Teacher:
Sign:
Date:

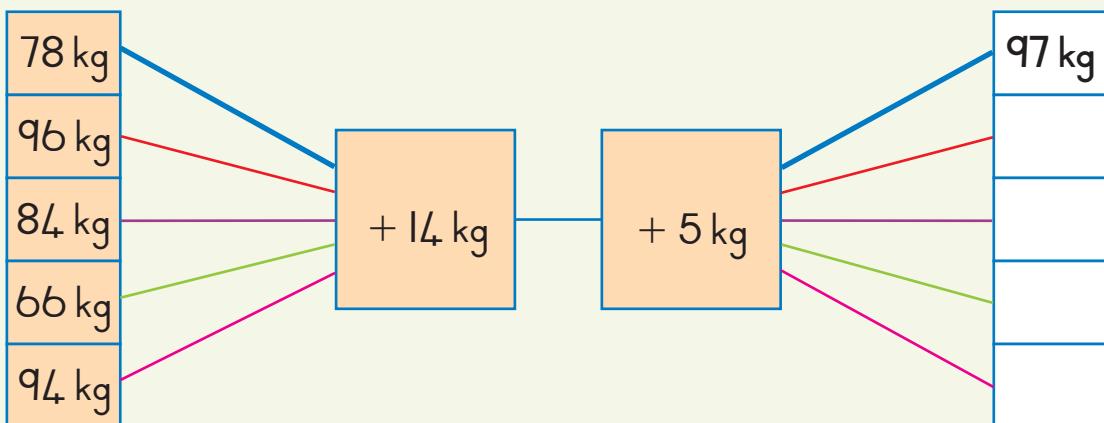


Ukukala



Ngezelela ngamakhilogramu

Hlanganisa begodu ufumane iimpendulo.



Yenza okupheleleko begodu uhlanganise!

Cabanga
kuhle!

Ujakalasi ma-25 kg	Ikgħuru ma-98 kg	Ifene ma-59 kg	Umntwana wedube ma-88 kg	Iphelikheni ma-9 kg

Yenza ubudisi ngabunye buphelele ububandameze e-10 lama-kg.

Tlola ubudisi ngokulandelana kusukela kokubulula ukuya kokubudisi.

Linganisa ithothali yobudisi beenyamazana ezi-5.



Hlanganisa ubudisi



Kungenzeka ngingabibudisi njengawe. Ikgħuru omdala,
kodwana nginesiqiniseko ngimasinyana!



Amagadango

- Sebenzisa inani elenziwe ngokupheleleko.
- Linganisa ubudisi beenyamazana emadeni ngamunye.
- Bala ithothali.
- Madanisa amathothali amabili begodu tlola umehluko.

	Ngiyalinganisa	Ngiyabala	Umehluko
+			
+ +			
+ +			



Ubudisi baka Vusi

Tjhega. Madanisa. Lungisa.

UVusi uħlanganisa ubudisi bakhe nobudisi be begodu ne .

Ubudisi babo buma -239 kg. Ingabe uVusi unobudisi obungangani? Tjengisa ipendulo yakho.

--	--



Buyini ubudisi bami?

Dlala esiqhemeni. Dlheganani ...

Hlanganisa ubudisi bakho ebudisini bezinye zeenyamazana. Sebenza ithothali. Tjela isiqħema kobana ipendulo ithini. Ungabatjengisi umsebenzakko! Kufanele balinge basebenze ubudisi bakho.



Teacher:
Sign:

Date:

45



Ilanga:

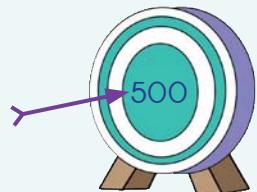
Ithemu 2



Kunqotjhwe kuma -500

Bala bewutlole!

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



- a. Ragela phambili nokubala kusuka ema-400. Yitjho iinomboro nawulokhu ubala.
- b. Tlola iinomboro ezitlhayelako ngegridini.
- c. Tlola iinomboro ezilandelako ezili-9 ngemva kwama-500.

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

- d. Bala ngaku-2. Tlola iinomboro ezilandelako ezibu-8 **ngephetheni yangaku-2**.

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

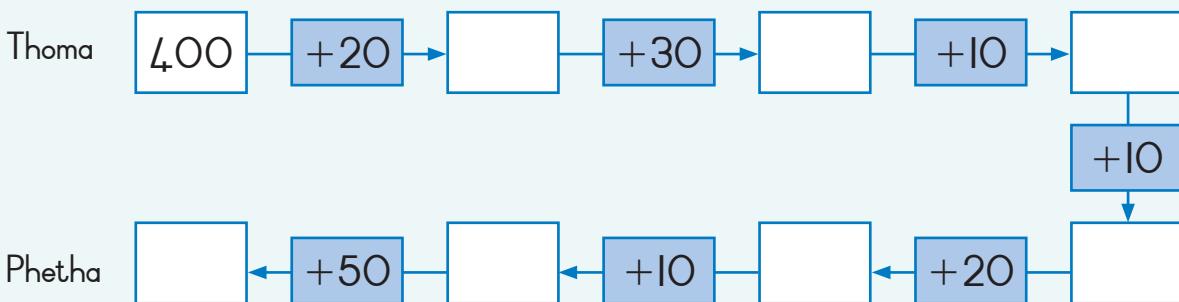
- e. Bala ngaku-5. Tlola iinomboro ezilandelako ezibu-8 **ngephetheni yangaku-5**.

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

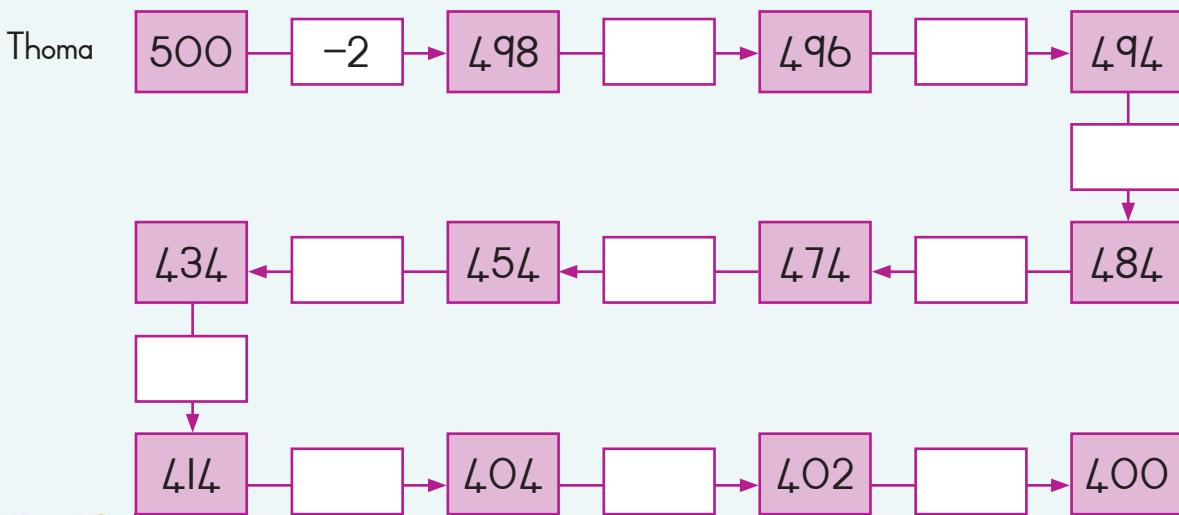


Zalisa ngeenomboro ezitlhayelako.

- a. Hlanganisa uye phambili kusukela ema-400.



- b. Bala ubuyele emva kusukela ema-500.



Tjengisa iinomboro. Landela isibonelo.

Fumana ithothali yeenomboro lezi. Sebenzisa ikarada lakho leenomboro ukutjengisa ithothali ngayinye.

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

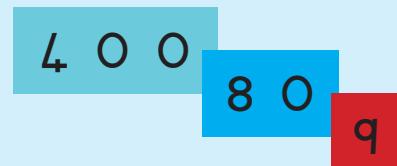
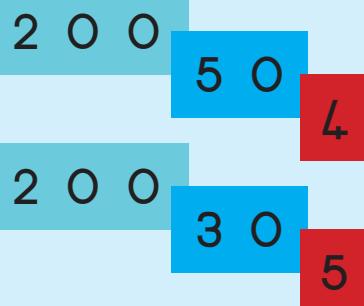
$398 + 10$		
$424 + 10$		
$460 + 20$		



Teacher:
Sign:
Date:



Okhunye ukuhlanganisa kanye nokukhupha



4 8 q



Siyokusebenzisa iindlela zakaBusi kanye no-Dumi zokubala godu ukuhlanganisa.

a. $245 + 231$

Indlela yakaBusi

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



Indlela yakaTumi

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



b. $278 + 136$

c. $265 + 148$



Siyokusebenzisa iindlela zakaBusi kanye no-Dumi zokubala godu ukukhupha.

a. $476 - 324$

Iindlela yakaBusi

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



Iindlela yakaTumi

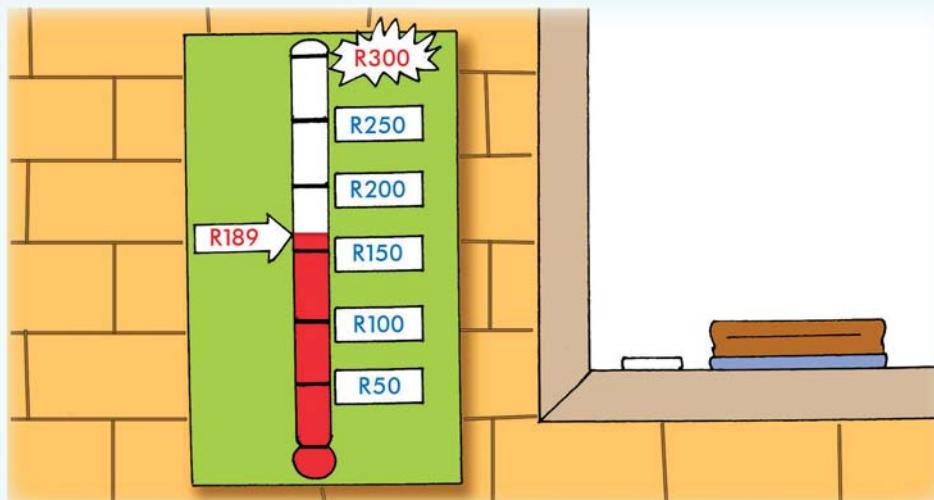
$$\begin{aligned} &\cancel{4}7\cancel{6} + \cancel{3}2\cancel{4} \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$

b. $489 - 456$

c. $482 - 161$



Funda okunqotjhiweko



Funda isithombe.

Kusele kangangani ukufikelela emnqopheni?

R



Teacher:

Sign:

Date:

47



Ilanga:

Ithemu 2



Lola amakghono wakho

Intaba yefihlo

Liyini ibizo lentaba ephezulu khulu eGauteng? Sebenzisa ikhowudi ukuyifumana. Madanisa ipendulo ngayinye etheyibuleni neledere elisekhowudini.

A	B	C	D	E	F	G	H	I	J	K	L	M
I	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

Umtlhala weenomboro	Ipendulo	Iledere
Isibonelo: $2 \times 3 \times 3 \times 1 = \square$	18	R
$50 + 50 + 50 + 100 - 200 - 45 = \square$		
$1 + 2 + 7 + 10 + 7 + 1 - 14 = \square$		
$60 - 30 + 50 + 20 - 50 - 15 - 20 = \square$		
$3 + 2 + 7 + 1 + 2 + 1 + 3 = \square$		
$5 + 3 + 30 = 4 + 2 + 12 + \square$		
$100 - 5 - 70 = 20 + \square$		
$36 + 44 - 60 - 22 = \square$		
$10 + 15 = 14 + \square$		
$2 + 1 + 14 + 9 + 14 = 25 + \square$		
$1 \times 2 \times 2 \times 2 \times 2 = \square$		

Ibizo lentaba yi:



Qala! Cabanga, begodu phendula!

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

- a. Inomboro 16 izokuba libumbeko liphi? Tshwaya (✓) elilungileko. * ● ☽
 Inomboro 18 izokuba libumbeko liphi? Tshwaya (✓) elilungileko. * ● ☽
 Inomboro 28 izokuba libumbeko liphi? Tshwaya (✓) elilungileko. * ● ☽

- b. Inomboro -50 izokuba li -*. Liqiniso namkha Mamanga?
 Inomboro -100 izokuba li -●. Liqiniso namkha Mamanga?
 Inomboro -23 izokuba li -☽. Liqiniso namkha Mamanga?



Ngikuphi okunengi?

Ukuthola ama-R2.50 wesikhwama
ngelanga enyangeni kaJuni noJulayi.

Nanyana ukuthola ama-R150 ithothali
yemali yokudla esikolweni yenya
yoke.

Tjengisa ukuthi uzoyisebenza njani.

Hholisa. Madanisa. Lungisa.



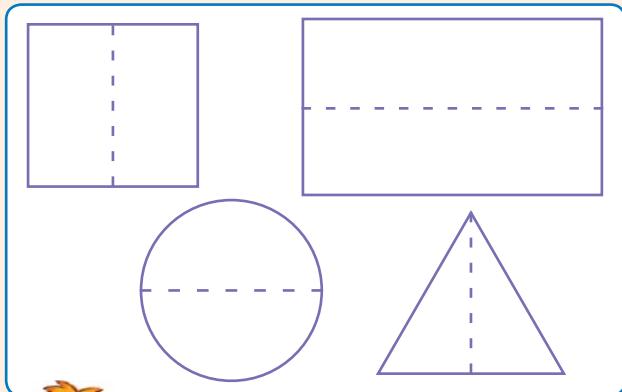
Teacher: _____
 Sign: _____
 Date: _____



Ilanga:

Ukufana nca zoke/isimethri

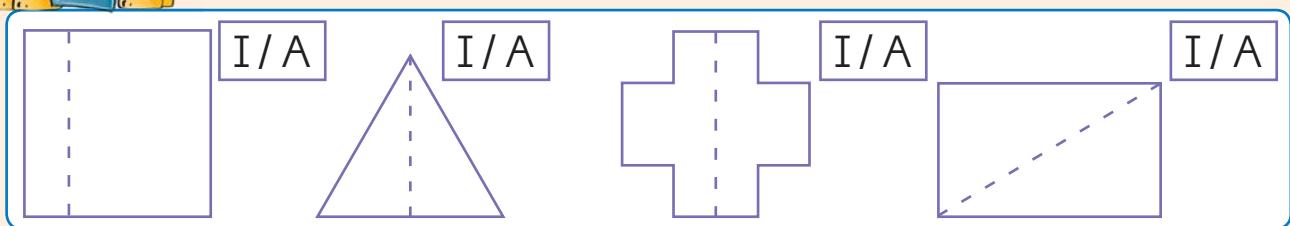
Ngikuphi okuyelelako ngamajamo?



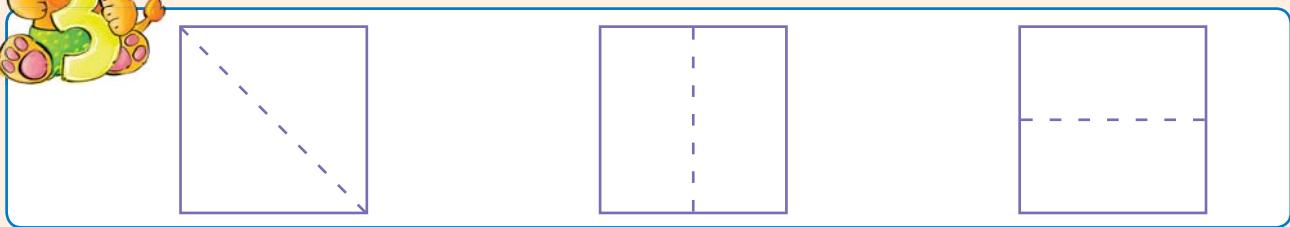
Gwala umuda olinganisa nca zoke ejameni ngalinye.



Ingabe umuda omacaphaza mumuda owenza kobana kulingane nca zoke? Ndulungela (Iye) nawuvumako namkha (Awa) nawulandulako.



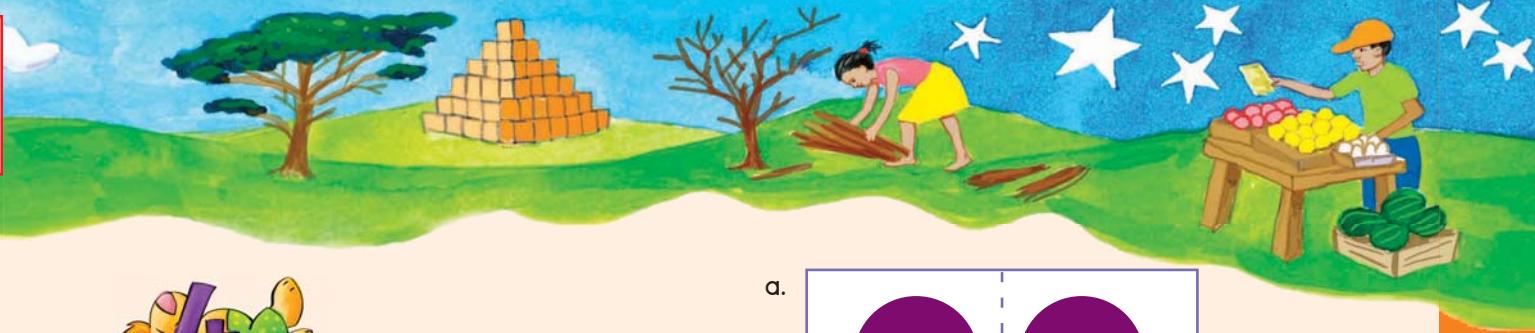
Ingabe lowo mumuda olinganisa nca zoke? Kungani utjho njalo?



Umuda wesimethri wehlukanisa amahafu amabili phakathi ukuze ihafu eyodwa itjengise ubujamo benye ihafu.

Ubujamo ngabunye bunayo isimethri lokha nawugoba phakathi bewuhlanganise iphepha ukuze ingcenye zombili zilingane.

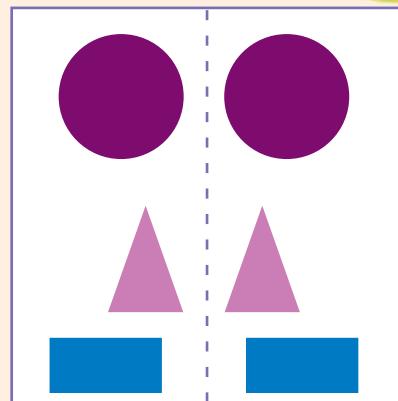




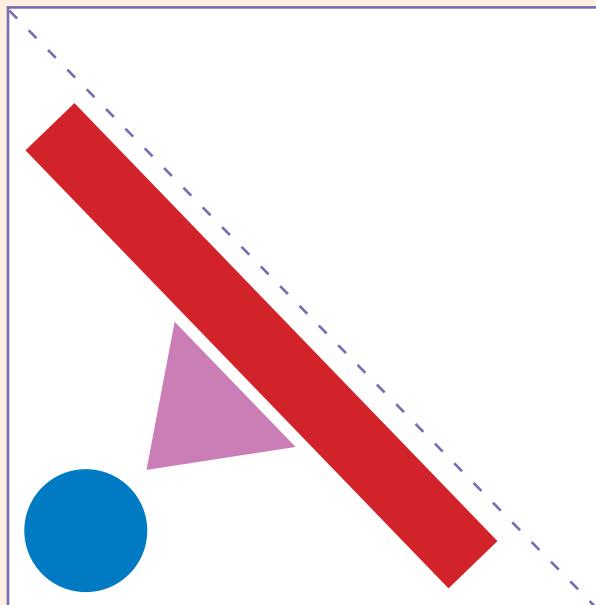
Gwala amajamo ukwenza isithombe silingane nca zoke.

Sewenzelwe isibonelo.

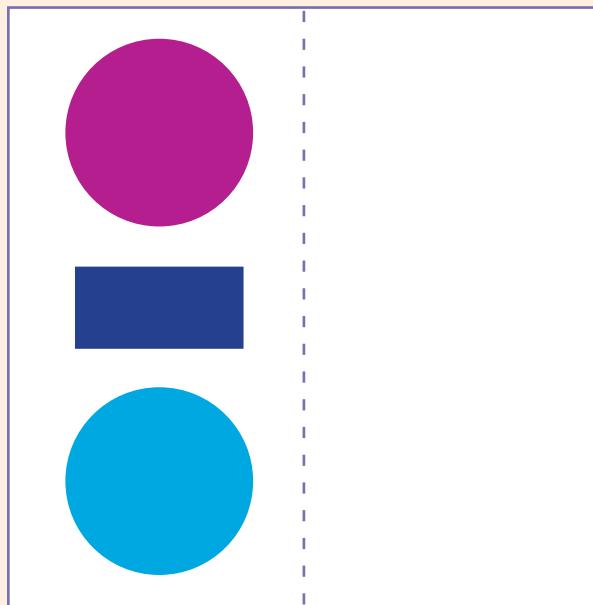
a.



b.



c.



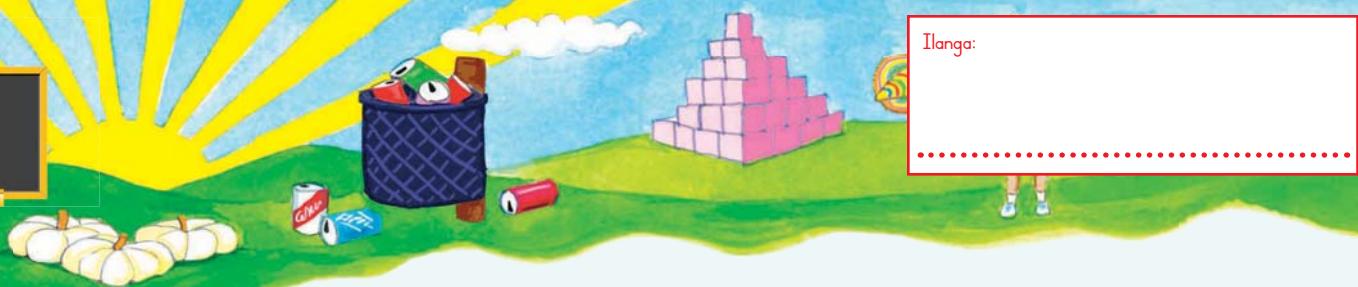
Zenzele
wakho umuda
olingana
nca zoke
usebenzisa
amajamo.

Handwriting practice area for the word 'Zenzele'.



Teacher: _____
Sign: _____
Date: _____

49



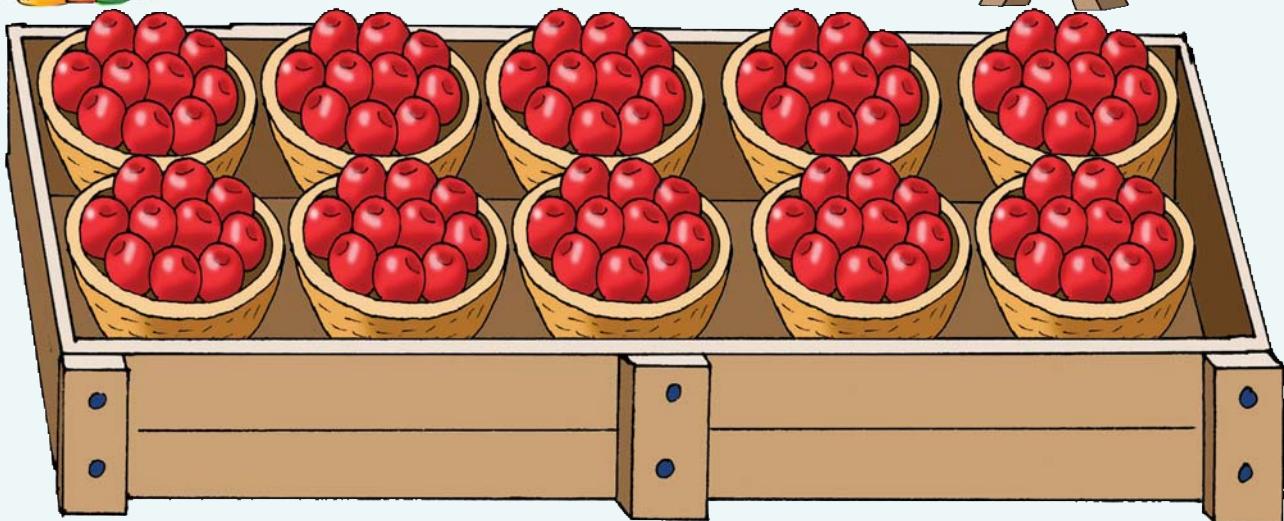
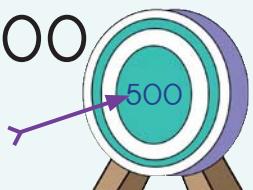
Ilanga:

Ithemu 2

Ukwakha bewufike kuma - 500



Bala ama-apula



Qedeleta bewubuyaebuyelete.

Umantji owo-1 ufaka ama-apula _____. 1 × 10 = 10	
Abomantji aba-3 bafaka ama-apula _____. 3 × 10 =	
Abomantji aba-5 bafaka ama-apula _____. 5 × 10 =	
Abomantji aba-4 bafaka ama-apula _____. 4 × 10 =	
Abomantji aba-2 bafaka ama-apula _____. 2 × 10 =	
Ikhreyidi li-1 liphatha 100 wama-apula. Amakhreyidi ama-2 aphatha _____ wama-apula.	
Amakhreyidi ama-3 aphatha _____ wama-apula. Amakhreyidi ama-4 aphatha _____ wama-apula.	
Amakhreyidi ama-5 aphatha _____ wama-apula. Amakhreyidi ama-2 nohafu aphatha _____ wama-apula.	

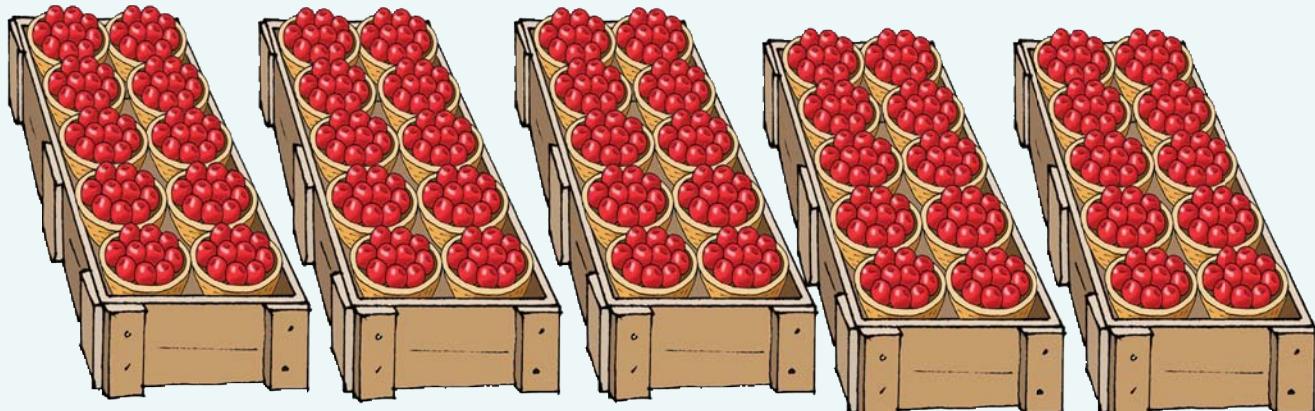


Kunama-apula ali-10 ngemantjini mu-l.

Kune _____ labomantji ngekhreyidini linye.

Kune _____ yama-apula ngekhreyidini linye.

Mangaki ama-apula alapho sekawoke? _____



Bala, utjengise bewutlole

300

Thoma ngokusebenzisa amakarada weenomboro ukutjengisa
ithothali ngayinje. Bese utlola inomboro.

40

5

$$\text{Amakhreyidi ama-3 } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + \text{abomantji aba-4 } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + \text{yama-apula 5 } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = 345 \text{ yama-apula}$$

$$\text{Amakhreyidi ama-4 } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + \text{abomantji aba-5 } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + \text{yama-apula 7 } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = \text{_____ yama-apula}$$

$$\text{Amakhreyidi ama-5 } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + \text{abomantji aba-2 } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + \text{yama-apula 3 } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = \text{_____ yama-apula}$$

$$\text{Amakhreyidi ama-4 } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + \text{abomantji aba-7 } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + \text{yama-apula 2 } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = \text{_____ yama-apula}$$



Teacher:	<input type="text"/>
Sign:	<input type="text"/>
Date:	<input type="text"/>

50



Ilanga:

Ithemu 2

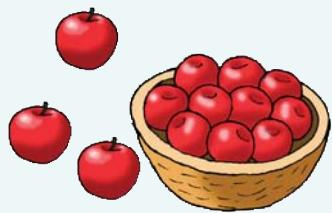
Ukubuyabuyeleta kanye nokwehlukanisa (ngokuli -10)



Ukubala ama-apula.

Zalisa ithebula.

Bangaki abomantji abafaka ama-apula?

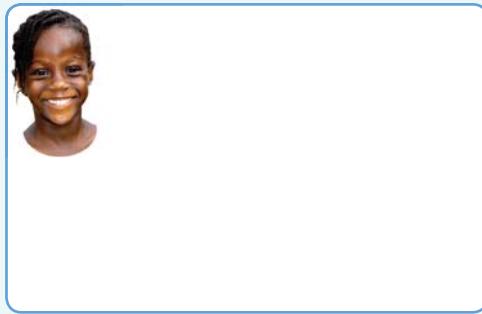
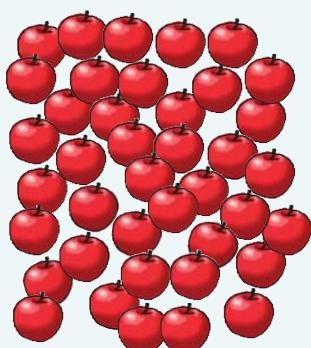


Ama-apula	10	20	30	40	50
Iimantji	1	2			
÷ isibalo					$50 \div 10 = 5$
× isibalo					$5 \times 10 = 50$



Yabela abentwana ama-apula. Yenza umgwalo. Tlola isibalo sokuhlukanisa neso kubuyabuyeleta ukuze utjhege ipendulo yakho.

a.

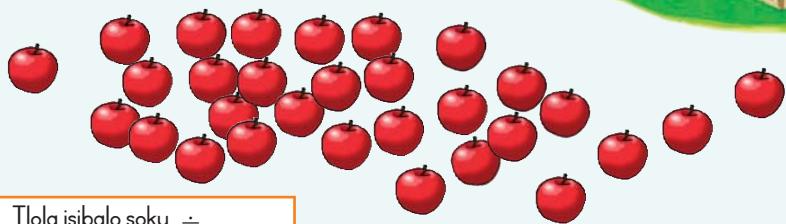
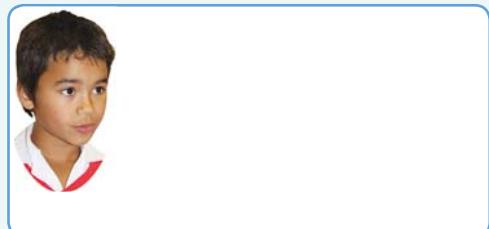


Tjhega ipendula.
$\square \div \square = \square$
$\square \times \square = \square$

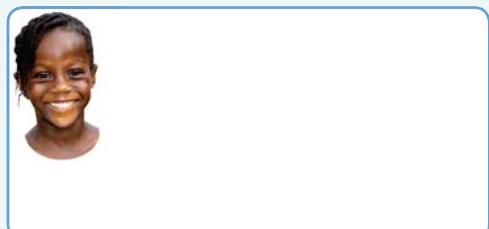




b.

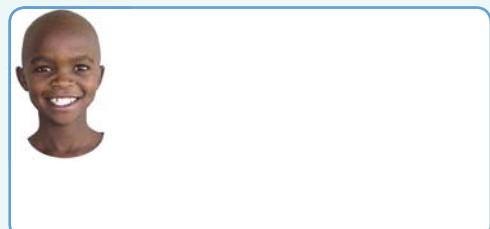


Tlola isibalo soku \div



Tlola isibalo soku \times ukuze

uhlolisise iimpendulo zakho.



Sebenzisa iinomboro ukuzenzela yakho imitjho yeenomboro.



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

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



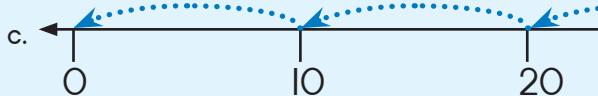
$$\div \quad$$

$$\times \quad$$



$$\div \quad$$

$$\times \quad$$



$$\div \quad$$

$$\times \quad$$



Nikela inomboro eli-10 ubuncani kanye nenomboro eli-10 ubukhulu kunaleyko enikelweko.

____, 460, ____

____, 390, ____

____, 500, ____



Teacher:
Sign:

Date:

5|



Ilanga:



Ukubala ngaku - 2

Ukubala uye phambili ngaku - 2 bewubuyele emuva.

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



Ipara yamadlhavu



- Ziimpara ezingaki zamadlhavu emudeni munye? _____
- Mangaki amadlhavu ngalinye emudeni munye? _____
- Mimida emingaki? _____
- Madlhavu amangaki nasele awoke? _____
- Tjengisa kobana uyisebenze bunjani.
- Tlola ipendulwakho njengomutjho weenomboro.
_____ × _____ = _____



Madlhavu amangaki?

Tlola amatheyibula.

a.	Amaglavu 	1	10	5	50	4	40	3	30	100
	Inomboro zamaglavu	2								

b.	Amaglavu	20	21	70	73
	Impara ezingenziwa				
	Amadlhavu angalinye aseleko				



Bala ngaku - 2

a. Ngiyiphi inomboro eba hlangana nawubala ngakubili?

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

b. Tlola iinomboro ezimbili ezilandelako.

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

c. Tlola iinomboro ezimbili ezilandelako.

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



Teacher:

Sign:

Date:



Ilanga:

Ilanga:



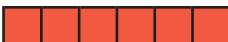
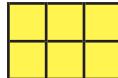
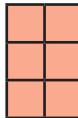
Ukuhlela isivande

UKkz. Mabena unamathayilesi amahle.

Uwasebenzisela ukupheyiva indawo esesivandeni sakhe.

Kunamathayilesi ama-6 asikwere wobukhulu obulinganako.



Ngingenza umuda mu-1 ngamathayilesi asi-6.	Ngingenza imida emi-2 ngamathayilesi ama-3 emudeni.	Ngingenza imida emi-3 ngamathayilesi ama-2 emudeni ngamunye.
		

$$6 \times 1 = 6$$

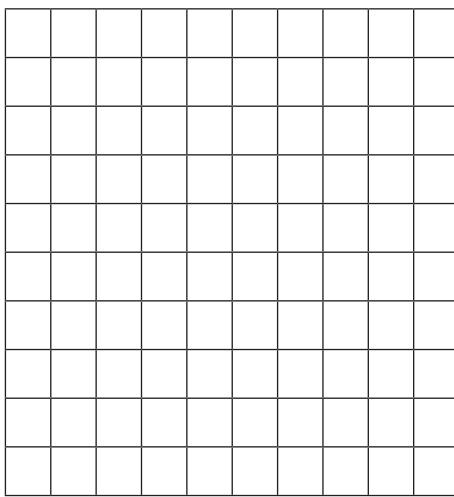
$$3 \times 2 = 6$$

$$2 \times 3 = 6$$

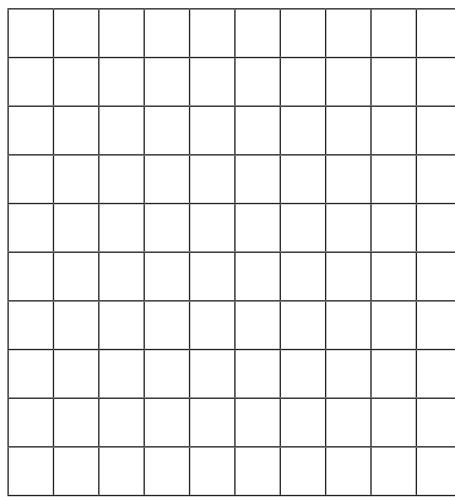
Kwanjesi lidlhego lakho!

Khalara amabhlogo ukutjengisa kobana ungahlala bunjani amathayilesi abu-8 na-9.

iinkwere ezi-8



iinkwere ezili-9



Tlola iinomboro zemitjho emdwebeni ngamunye.



Hlela amathayilesi ali-12

UThabo unamathayilesi ali-12 asikwere ukupheyiva ngaphandle komtlhatlhana wakhe. Msizwe athole iindlela angenza ngazo.

Tlola inomboro yomutjho wendlela ngayinje.

Isibonelo:	$1 \times 12 = 12$ $12 \times 1 = 12$



Hlela amathayilesi ama-24

- Sebenzisa igridi kuSika-2.
- Khalara amabhlogo ama-24 ngeendlela ezihlukeneko.
- Tlola iinomboro zemitjho ukumadanisa umdwebo ngamunye.

--



Ngingabuyabuyelela!

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



Teacher:
Sign:
Date:

53

Ilanga:



Ithemu 2

Usebenzise abokuhlanu



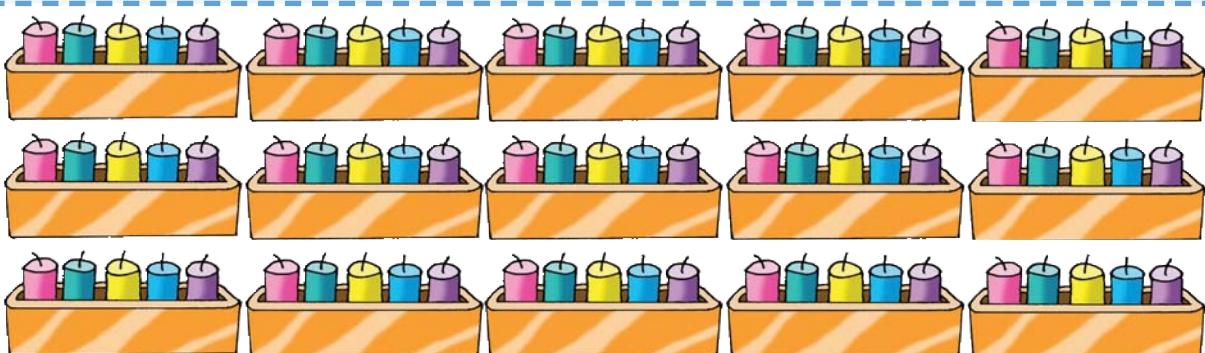
Yazi ku-5 kwakho

Zalisa iimpendulo.

	1	2	3	4	5	6	7	8	9	10
× 5	5									



Bala amakerese



- Mangaki **amakerese** ngebhoksini ngalinye? _____
- Mabhoksi amangaki _____
- Mangaki **amakerese** ereyini ngalinye _____
- Makerese** amangaki nasele awoke? _____



Tjengisa ipendulo

Thika (✓) inomboro yomuthjo etjengisa ithothali yamakerese

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



Bala uye phambili nemva ngaku - 5

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



Buthelela ama-R5 wesimbi



Qedeleta umutjho: Abentwana babuthelela imali eyisimbi yenani lama-R5. Bafanele babuthelele imali eyisimbi ema-R5 amangaki ukuze babuthele imali elingana R ____? Ezimbili zokuthoma sele sikwenzele.

$R5 \div 5$ = 1 yekhoyini	$R10 \div 5$ = 2 yamakhoyini	R15? _____	R20? _____	R25? _____
R30? _____	R35? _____	R40? _____	R45? _____	R50? _____

$$2 \times R5 = R$$

$$4 \times R5 = R$$

Uyayibona iphetheni?

$$6 \times R5 = R$$

$$8 \times R5 = R$$



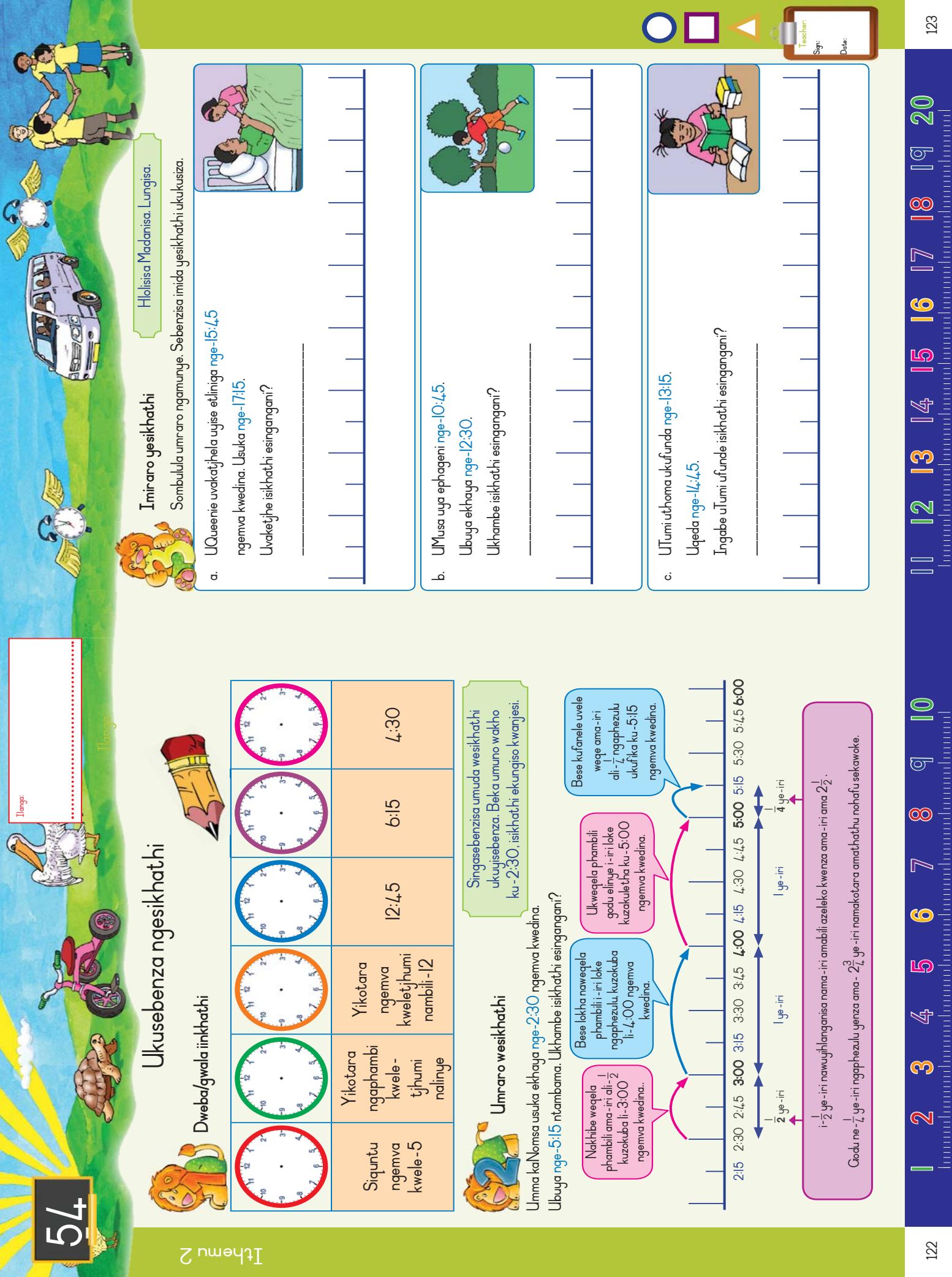
Buyabuyelela ngaku - 5

Isibonelo: $1 \times 5 = 5$; $2 \times 5 = 10$; $3 \times 5 = 15$; $4 \times 5 = 20$; $5 \times 5 = 25$; $6 \times 5 = 30$; $7 \times 5 = 35$; $8 \times 5 = 40$; $9 \times 5 = 45$; $10 \times 5 = 50$

Cabanga kuhle! Yakha ngamaphuzu owaziko!

1	2	3	4	5	6	7	8	9	10
5	10								
11	12	13	14	15	16	17	18	19	20
55									





54

Ukusebenza ngesikhathi



Dweba/gwala iinkhathi

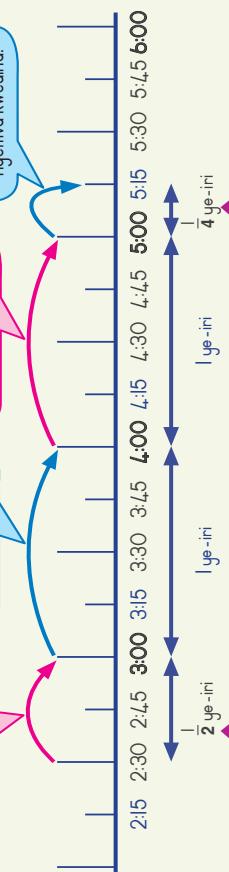
Sigantu ngemva kwele-5	Yikotara ngaphambi kwele- tjhumi nalinę	Yikotara ngemva kwelejhumi nambil-12	12:45	6:15	4:30
Ubuya nge-5:15 ntambama.	Umraro weskikhathi	Singasebeniza umuda wesikhathi ukujisebenza. Beko umuno wakho ku-2:30, isikhathi ekungiso kwanjesi.	Umma ka Nomsa usuka ekhaya nge-2:30 ngemva kwedina.	Ukhambe isikhathi esingangan?	Bese kufanele uvele weqe ana-iri di-7 ngaphezulu ukufika ku-5:15 ngemva kwedina.



Ubuya nge-5:15 ntambama. Ukhambe isikhathi esingangan?

Bese lokha naweeela
Phambili-iri loko
ngaphezulu, kuzokuba
li-4:00 ngemva
kwedina.

Nakhibe weqela
phambili ana-iri ali- $\frac{1}{2}$
kuzokuba li-3:00
ngemva kwedina..



$1 - \frac{1}{2} \text{ ye-iri}$ = $\frac{1}{2} \text{ ye-iri}$ + $\frac{1}{2} \text{ ye-iri}$ = $1 \frac{1}{2} \text{ ye-iri}$

Godu $\frac{1}{4}$ ye-iri ngaphezulu yenza ama- $2\frac{1}{4}$ ye-iri namakotara amathathu nohafu sekawoke.

Imiraro yesikhathi

Sombulula umraro ngamunye. Sebenzisa imida yesikhathi ukukusiza.



Hlisisa Madanisa. Lungisa.

- a. UQueenie uvakatjela uyise edliniga nge-15:45
ngemva kwedina. Usuka nge-17:15.
Uvakatjhe isikhathi esingangan?

- b. UMsusa uya ephageni nge-10:45.
Ubuya ekhaya nge-12:30.
Ukhambe isikhathi esingangan?

- c. UTumi uthomaa ukufunda nge-13:15.
Ujeda nge-14:45.
Ingabé uTumi ufunde isikhathi esingangan?

Teacher:
Sgn:
Date:

Bala ngaku-3 nangaku-4



Timpoto ezinemilenze emi-3

Hlangarisa bese
utbla ipendulo.



- Zimpoto ezingakhi erejini? _____
- Milenze emingaki erejini? _____
- Mareji amangaki weempoto? _____
- Milenze emingaki nasele iyoke? Tengisa kobana ujisebenze njani ipendulo.

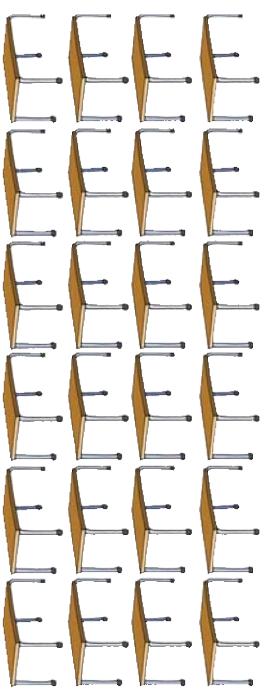
Tshwaya (✓) ngiziphi iinomboro zemitjho ezingqphasi ezitjengisa ithothali.
 $21 \times 7 = \square$ $3 \times 7 \times 3 = \square$ $3 \times 4 \times 2 = \square$ $21 \times 3 = \square$



Milenze emingaki?

Timpoto y-1	<input type="text"/> 3 imilenze	<input type="text"/> imilenze	<input type="text"/> imilenze	<input type="text"/> imilenze
Timpoto ez-2	<input type="text"/> imilenze	<input type="text"/> imilenze	<input type="text"/> imilenze	<input type="text"/> imilenze
Timpoto ez-5	<input type="text"/> imilenze	<input type="text"/> imilenze	<input type="text"/> imilenze	<input type="text"/> imilenze

Imilenze yetofula



- Matafula amangaki erejini? _____

- Milenze emingaki erejini? _____

- Mareji amangaki wamatafula? _____

- Milenze mingaki nasele iyoke? Tengisa kobana ujisebenze bunjani.



a. Matafula amangaki erejini? _____
b. Milenze emingaki erejini? _____
c. Mareji amangaki wamatafula? _____
d. Milenze mingaki nasele iyoke? Tengisa kobana ujisebenze bunjani.

Efemini



Umbazi wenza amatofula. Uthoma ngokwenza imilenze.

Bekubene sele enze ama-48. Angenza amatafula amangaki?

Ingabe usathoga imilenze emingaki ukwenza enye itafula?



Qedelela igridi ngokuzalisa impendulo

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



Ukubala ngama - 50

Umntwana munye, ingubo yinyel!
Bangaki abentwana? Linganisa, bese ugabala.

Ngubo yethemba
Bulung'a abentwana
bethu bahlele basuthumele



Boke abentwana abasesithombeni basufumana iingubo.
Bangaki abentwana abalapho? _____

Linganisa	Bala	Madanisa

Bungaki ubuso obutabileko ☺ babesana? _____
Bungaki ubuso obutabileko ☺ babentazana? _____



Babbadela ini?



Ucwazi uthenga zi-2



Ubhadela R



UKiz Chakane uthenga zi-5



Ubhadela R



Istolo sakaThembi



Ubhadela R

Zi-5	ng-e-R50 = R250	Zi-10	ng-e-R50 = R500
Zi-4	ng-e-R50 = R ____	Zi-15	ng-e-R50 = R ____
Zi-3	ng-e-R50 = R ____	Zi-6	ng-e-R50 = R ____
Zi-7	ng-e-R50 = R ____	Zi-12	ng-e-R50 = R ____
Zi-8	ng-e-R50 = R ____	Zi-9	ng-e-R50 = R ____

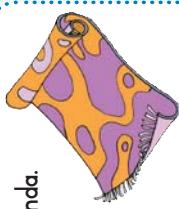
Ithemu 2	

Kuzukuthatha isikhathi esingangani? Sebenzisa ikhalenda.

Itasi lakagreyidi-3 libuthelela imali yokuthenga iingubo ezi-4.

Babuthelela i-R5 ngelang'a amdlanga ama-5 ngeveke.

Bathoga iimveke ezinqaki ukuthi babuthelele imali yeengubo?

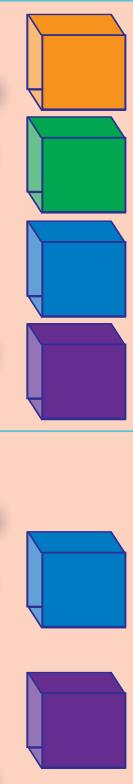
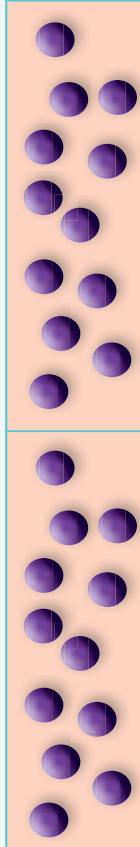




57

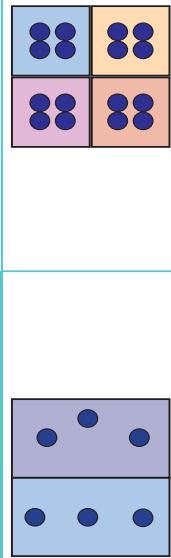
Amacezu: abohafu kanye namakota

Yehukumanisa ufake imbholo ngemabholksini amibili ngokulingana.



- Zingaki imbholo ezbokosini elinye nelinye?
- Zingaki imbholo ezingebholksini eliphephuli?
- Imbholo ezingebholksini eliphephuli lenza cezu ban?

Qala isthombe ngasinye bese uphendula imbiuzo.



Ubale iijingi ezingak?

Ijini $\frac{1}{2}$ yeejingi?

Ijini $\frac{2}{4}$ yeejingi?

Ijini $\frac{3}{4}$ yeejingi?

Ijini $\frac{4}{4}$ yeejingi?

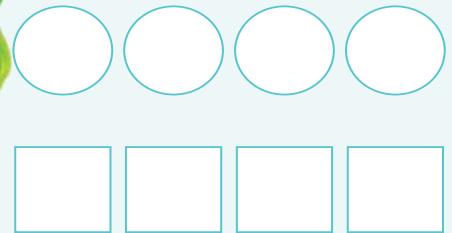
Itthemu 2

Faka umbala $\frac{1}{2}$ yejamo.

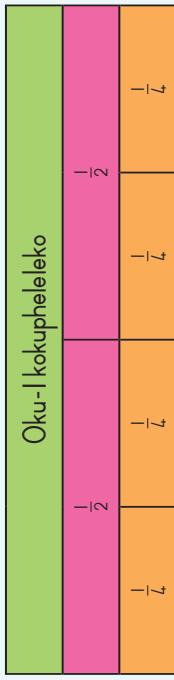
Faka umbala $\frac{1}{2}$ yejamo.

Faka umbala $\frac{2}{4}$ yejamo.

Faka umbala $\frac{3}{4}$ yejamo.



Qala umtletlana wamacezu



a. Bangaki abohafu ($\frac{1}{2}$) abenza okukodwa okupheleleko?

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

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



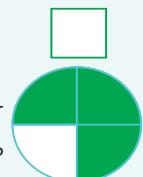
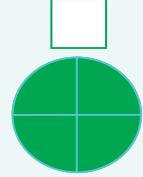
Ubale iijingi ezingak?

Ijini $\frac{1}{2}$ yeejingi?

Ijini $\frac{2}{4}$ yeejingi?

Ijini $\frac{3}{4}$ yeejingi?

Ijini $\frac{4}{4}$ yeejingi?



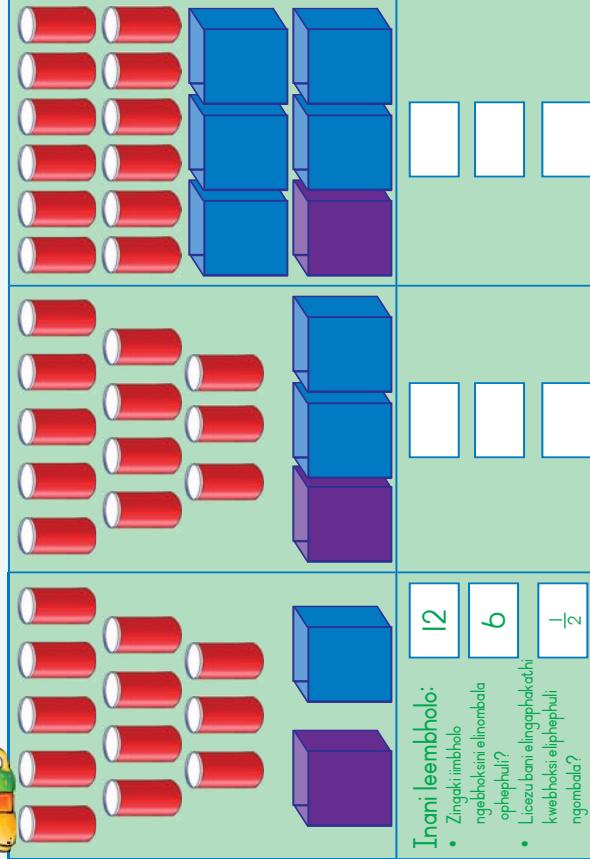
c. Ngilphi icezu ellkhulu, $\frac{1}{2}$ nanyana $\frac{1}{4}$

| 2 3 4 5 6 7 8 9 10

| 12 13 14 15 16 17 18 19 20

Amacezu: abohafu, kunye kokuthathu kanye nokukodwa kokwesithandathu

Yehulukanisa amakatikoti (amasilinda) ngokulinganaako uwafake ngemaboksini.

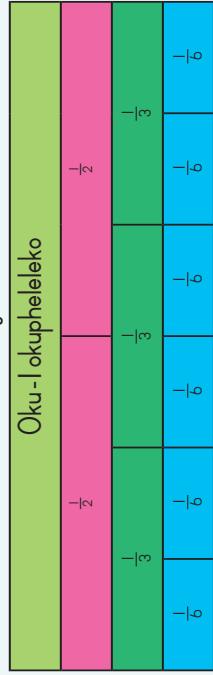


Ithemu 2



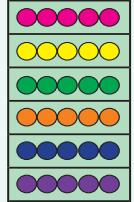
- Tjengisa ihafu erulenii. Lokhu kulingana nama-cm _____.
- Tjengisa ingcenyey ejodwa yokusithathu yerula. Lokhu kulingana nama-cm _____.
- Tjengisa ingcenyey ejodwa yokusithandathu yerula. Lokhu kulingana nama-cm _____.

Qala umtletlana wamacezu. Qeddelela imitjho.



- Kunamahafu ama- _____ kokupheleleko okukodwa.
- Kunokukodwa kokwesithathu oku- _____ kokupheleleko okukodwa.
- Kunokukodwa kokwesithandathu oku- _____ kokupheleleko okukodwa.
- Kunokukodwa kokwesithandathu oku- _____ kuhafu eyodwa.
- Kunokukodwa kokwesithandathu oku- _____ kokukodwa kwesithathu.

Tola icezu lengcenyey efiphaziweko.

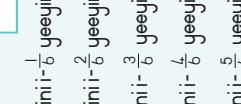


Ndulungela ingcenyey ekulu yezuzu.

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



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



- Yini- $\frac{1}{3}$ yeejingi?
Yini- $\frac{2}{3}$ yeejingi?
Yini- $\frac{3}{3}$ yeejingi?



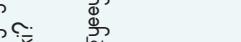
- Yini- $\frac{1}{2}$ yeejingi?



- Yini- $\frac{1}{2}$ yeejingi?



- Yini- $\frac{1}{2}$ yeejingi?



- Yini- $\frac{1}{2}$ yeejingi?



- Yini- $\frac{1}{2}$ yeejingi?

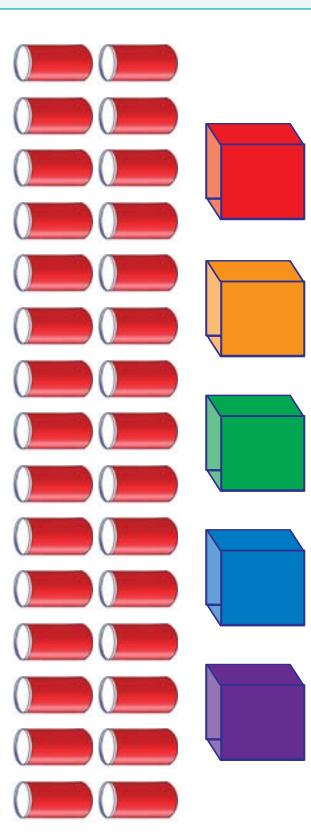


Amacezu: Kunye kokuhanu

Yehukanisa ufake amakotlikoti ngemabhoksini.



Mangaki amatjihokaledi ngébhoksini?



- Ngengcenyeni eji $\frac{1}{5}$ yebhoksi, kunamakotlikoti asi-
- Ngengcenyeni eji $\frac{2}{5}$ yebhoksi, kunamakotlikoti asi-
- Ngengcenyeni eji $\frac{3}{5}$ yebhoksi, kunamakotlikoti asi-
- Ngengcenyeni eji $\frac{4}{5}$ yebhoksi, kunamakotlikoti asi-
- Ngengcenyeni eji $\frac{5}{5}$ yebhoksi, kunamakotlikoti asi-

Qala istithombe bese uphendula imibuzo.

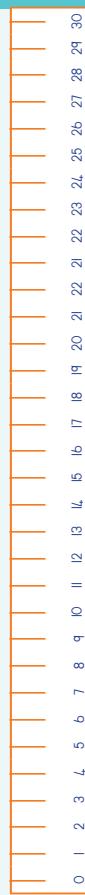
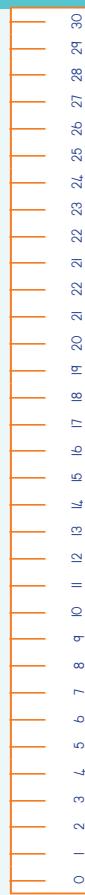


Mangaki amatjihokaledi ngébhoksini?

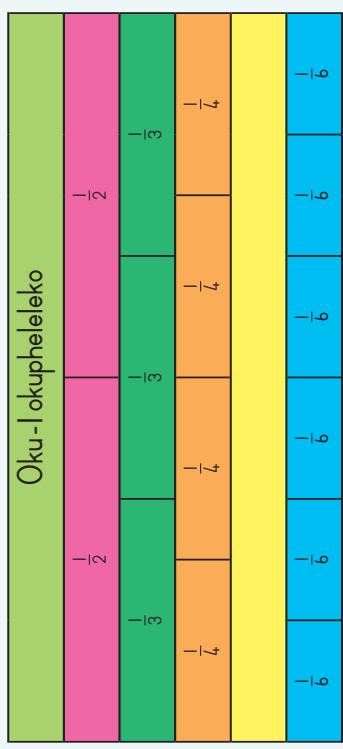
- Okukodwa kokuhlanu yejhokaledi llingana na-
- Okudili kokuhlanu yejhokaledi llingana na-
- Okuhadhu kokuhlanu yejhokaledi llingana na-
- Okune kokuhlanu yejhokaledi llingana na-
- Okuhlanu kokuhlanu yejhokaledi llingana na-

- Ngelangga ellodwana ngidla $1 - \frac{1}{5}$ yamatjihokaledi. Kusele amatjihokaledi angangan?
- Ngelangga ellandekto ngidla $1 - \frac{1}{5}$ yajihokaledi. Kusele tijihokaledi engangan?

Faka umbala isisetjenziswa sokumeda, isilinganiso e- $\frac{1}{5}$.



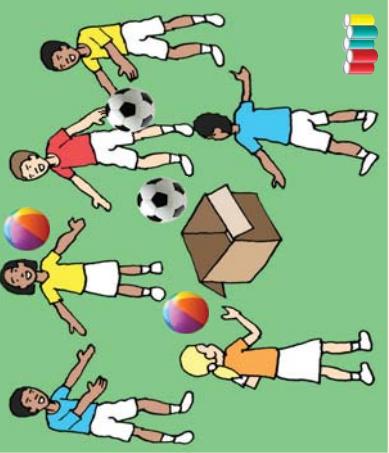
Qala umtletlana wamacezu bese uphendula imibuzo.



Ndulungela: okukhulu nanyana okuncani

- a. i- $\frac{1}{2}$ yikulu/yincani kune $\frac{1}{2}$.
- b. i- $\frac{1}{3}$ yikulu/yincani kune $\frac{1}{2}$.
- c. i- $\frac{1}{5}$ yikulu/yincani kune $\frac{1}{6}$.
- d. i- $\frac{1}{6}$ yikulu/yincani kune $\frac{1}{3}$.
- e. i- $\frac{3}{6}$ yikulu/yincani kune $\frac{2}{3}$.

Izinto ezyma -3D



Bala amabhoksi (amorphizma)
Bala iimbhoko (indulungo)
Bala amaslininda

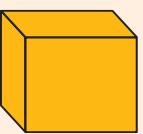
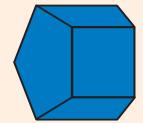


Itthemu 2

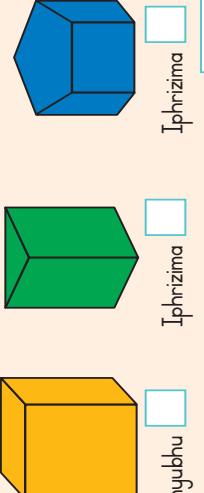


Lawa mabkhosi

Sebenzisa usika we-3 newe-4 ukwenza lókhu.



Ingcenye enye nenyé yawo esipara yaziwangobuso. Namathise la ubuso obudabwa obuhlekako ngakelingé nelinyé ihlangothi lebhoxi.
Uhamathisele ebusweni obugak?



Ikhujehu Iphrizima Iphrizima
Ingabe ubuso iphrizima busipara nanyana buyijikeleza?

Kwanjesi yenzasi isilinda ngosika -4
Ingabe ubuso besihlada busipara nanyana buyijikeleza.



Sebenzisa izinto zakho ukwakha okulandelako:

Hlathulula kobana isilinda ikuyiphí indawo usebenzisa amagama.

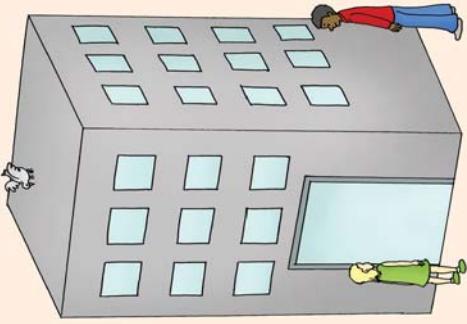
Ngaphenzulu

Ngaphambili

Ihlangothi elliodwa



Sebenzisa amagama angenzasi ukuqedelola imitjho.



Umntazana uqale lomakhivo.

Indoda iqale lomakhivo.

Inyoni ziqale lomakhivo.

Ilngophezu
 Ilngophezu
 Ilngophezu

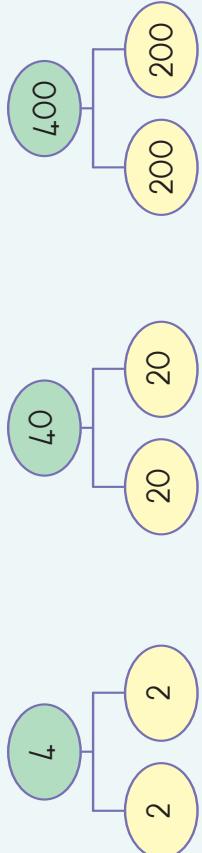
Ilngeqadi

6

Ukubuyelə kabili nokuhafula

Ingabe usakhumbula u-2 yihafu yaka-4 u-4 kulekha nakubuyeləwe u-2 kabili
 20 yihafu yaka 40 u-40 kulekha nakubuyeləwe u-20
 200 yihafu yaka 400 u-400 kulekha nakubuyeləwe u-200

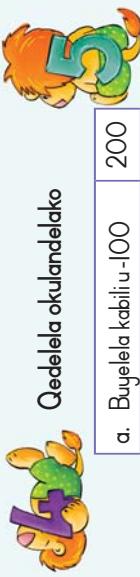
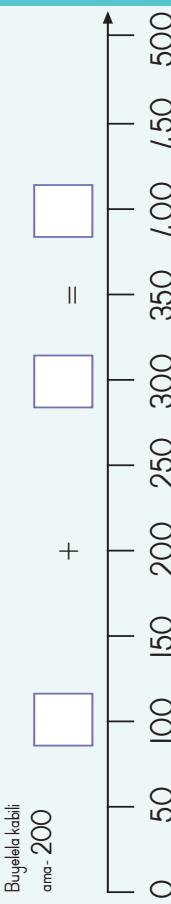
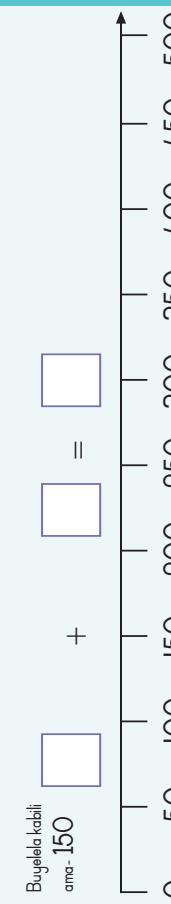
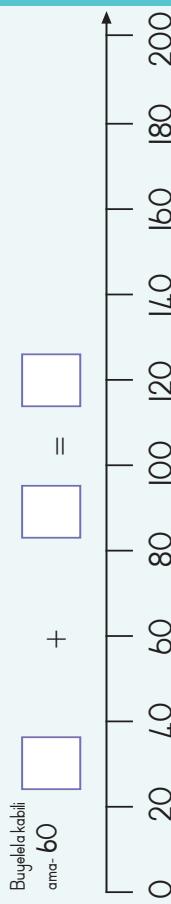
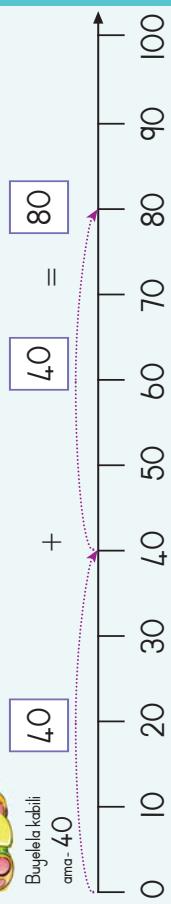
Singakutjengisa lokhu ngomgwalo...



Ukuthola abohafu

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

Bujelə kabili
ama- 40



Qedelə okulandələko

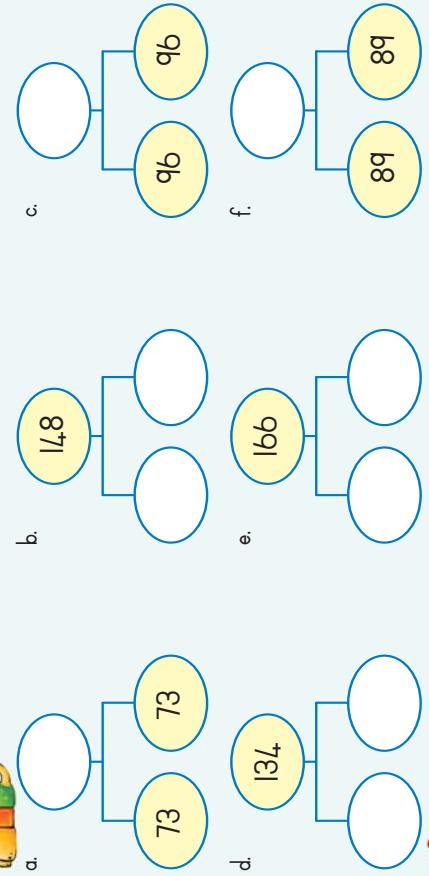
- a. Hafula u-220 b. Hafula u-180 c. Hafula u-260 d. Hafula u-60 e. Hafula u-320



b2

Olkunye ukubuyelala kibili nokuhafula

Fumana okubuyelwe kibili namkha abohafu



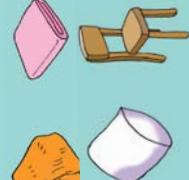
Bulungela ibhayisigili

Upeter ubulungai i-R25 ngeveke kobana atheng ibhayisigli. Kufanele abulunge iimveke ezingaki?

Ipendulo: iimveke

Zehliswe

Zoke izinto ziyatherengisa ngenari elijihafu.
Tola iprejisi yokuthengisa ngeqadi kwene nenyé into.



- a. Ingubo R190
Inani lokuthengisa _____
- c. Imissamo R54
Inani lokuthengisa _____
- b. Amalageni R154
Inani lokuthengisa _____
- d. Tintulo R220
Inani lokuthengisa _____

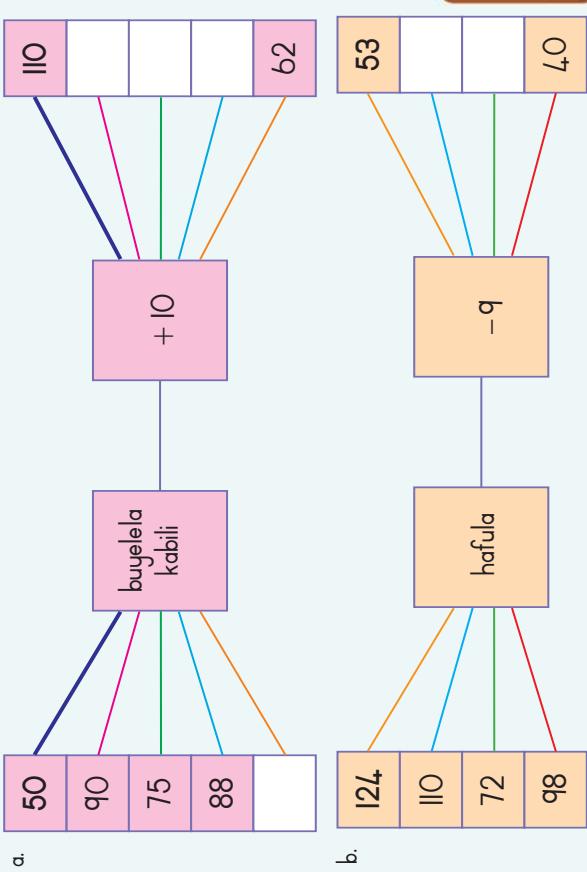
Maranda amangdaki?

U Musa ufuno irhembe. Uhemadi eyihafu kwaphela.
Ingabe usatihayela ngamalin? R _____

R135 Amanjathelo ka Peter abiza ngokubuyelwe kabilii ukudulu lokhu.
R78,50 Amanjathelo ka Peter abiza malin? R _____

R97 Trogo lakaPhindi libiza kibili ngentengo ngaphezulu yabolku.
R97 Trogo lakaPhindi libiza malin? R _____

Ngikuphi okungena ngaphakathi? Ngikuphi okuphumela ngaphandle?
Landedla isibonelo. Zalisa inomboro ezitihayeldako.



Yehlile R450
Ngehafu lenani: gade
iyi-R900

Itthemu 2

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

138

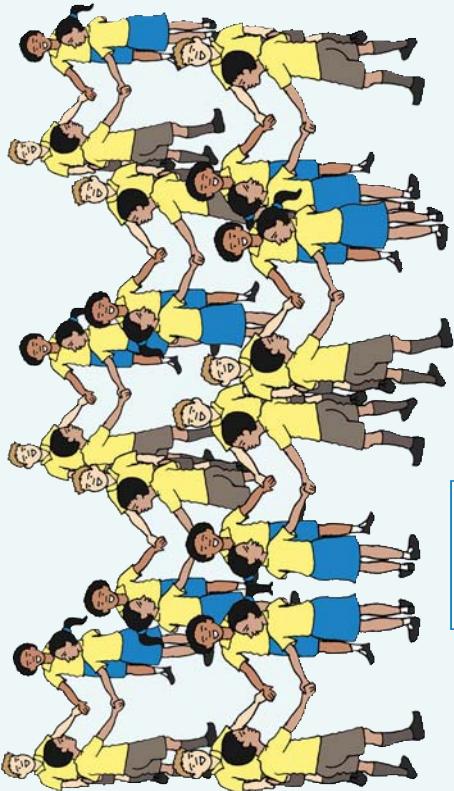
139

Teacher:
Sgn:
Date:

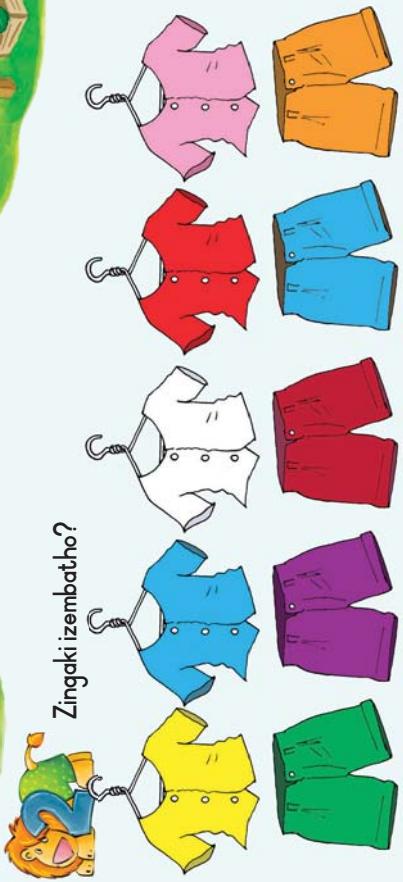
Ukuhlela ngokweenqhem nokuhlanganisa

Hela abentwana ngokweenqhem

UKkz. Ndaba ufunu ukwehulanisa itasi ngobukhulu obulingandako beenqhem ulungisella imiddalo yangaphandle. Kokutuhoma uhlala abentwana ngeenqhemza zangaba-L.



Itthemu 2



Zingaki izembatho?

Uphindu uneenrhembhe ezizimbatho begodu namabhrugu amafitjhani anombada ama-5. Zizembatho ezingaki ezihlukileko aktjhona ukuzenza asebenzisa ihlangarisela ehlukiloko yembala?

Izibonelo: Ithembhe ehlaza kwestibhakabha/ibhrugu eliftjhani elihlazaz kwestibhakabha. Ithembhe ehlaza kwestibhakabha/ambahrugu amafitjhani aorontji.

Tola iledere lokuthoma lombala ngamunye. Tengjsa zoke ezin ye izembatho ezingenzeka.

- Bala abentwana
- Wenza iighema ezingaki?
- Tengjsa zoke ezin ye imdela ukkz. Ndaba angazisebenzia ukuhlela abentwana ngeenqhem?

Tjhega Madanisa.
Lunjjsa.

Funiela: Kungaba njani ndkhibe uphindu uneminye imbalu esi-ba ehlukiloko yeenrhembhe namabhrugu amafitjhani?

Angaktjhona ukwenza izembatho ezingaki?

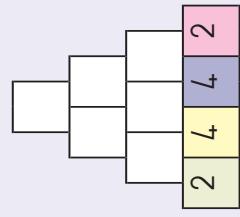
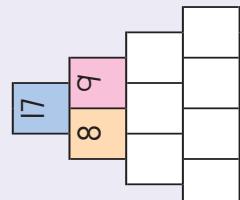
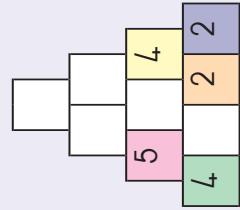
Tjhega Madanisa.
Lunjjsa.

Ukuzithokozisa ngezibalo

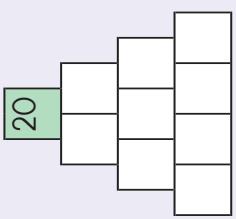
Qida umthetho

Sebenzisa umthetho ukufunyana iinomboro ezithayeldo.

Kwanje yenza lokhu.



Yakha ufile ema-20 ngeendlela ezahlukeneko.



64

Ithemu 2

Ilanga:

Ilanga:

Fumanani iinomboro

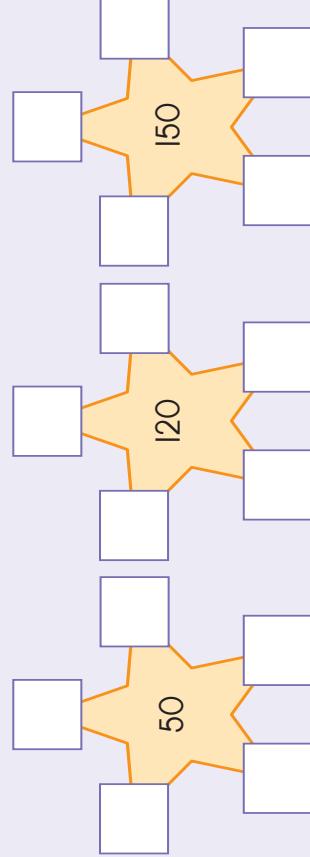
a. Umthetho: Iinomboro ereujini ngalinye kufanele zihlanganiswe ukufika e-16.

2	5	3	6
			2
			2

b. Umthetho: Iinomboro ezi-3, ezivundla emareejini naziya phasi ngamakholomu, zihlanganiswe ithothali efanako.

23	28	21
12		26
		10

c. Umthetho: Tolani ezinye nezinye iinomboro ezi-5 ezihlanganiseka ukufika enomborweni ephakathi ngaphakathi kwevekwezi.



Umthetho: Sebenzisa inomboro eyodwa kanye kwaphela.



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

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

I O O

I O

I

2 O O

2 O

2

3 O O

3 O

3

4 O O

4 O

4

5 O O

5 O

5

6 O O

6 O

6

7 O O

7 O

7

8 O O

8 O

8

q O O

q O

q

