



Nkhskt. Angie Motshekga,  
iNdvuna yeMfundvo yeSisekelo



UMnu Enver Surty,  
Liphini iNdvuna yeMfundvo  
yeSisekelo

ISBN 978-1-4315-0012-3



MATHEMATICS IN SISWATI

GRADE 3 – BOOK 1

TERMS 1 & 2

ISBN 978-1-4315-0012-3

**THIS BOOK MAY  
NOT BE SOLD.**

Letincwadzi tekusebentela tikhicitelwe bantfwana baseNingizimu Afrika ngekuholwa yiNdvuna yeTemfundvo yeSisekelo. Nkhskt Angie Motshekga akanye neLiphini lakhe uMnu Enver Surty.

LeTincwadzi Tekusebentela takaRainbow tiyincenye yemitamo yaleLitiko leTemfundvo yeSisekelo yekutfutfukisa bafundzi baseNingizimu Afrika emabangeni ekucala lasifupha ekufundza. Njengalomunye wemigomo lehamba embili eLuhlelwani IweKusebenta IwaHulumende, lomsebenti ukhokhelwe ngesihle Silulu seTimali saVelonkhe. Ngenca yalokusekelwa ngetimali, leLitiko leTemfundvo liphumelele kwakha letincwadzi ngato tonkhe letilwimi letisemtsetfweni kulelive.

Siyetsema kutsi bothishela batatitfola tilusito kakhulu letincwadzi tekusebentela basafundzisa malanga onkhe kute bafundzi bakhone kucedza luhlelo lwabo Iwekufundza. Setame, ngekucopelela lokukhulu, kusita thishela kuleyo naleyo ncenyenye yemsebenti. ngekusebentisa timphawu letitifombe kuhombisa umfundzi loko lokumele akwente.

Siyetsema bantfwana nabo batakujabulela kusebentisa letincwadzi basachubeka nekukhula nekufundza; nekutsi bothishela batawutfokota kanye nabo.

Sifisela bothishela nebafundzi imphumelelo basachubeka nekusebentisa letincwadzi tekusebentela.

TIBALONGESISWATI – Libanga 3 Incwadzi |

ISBN 978-1-4315-0012-3



Published by the Department of Basic Education  
222 Struben Street

Pretoria  
South Africa

© Department of Basic Education  
Sixth edition 2016

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.



basic education

Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA

Ligama:

Likilasi:

TIBALONGESISWATI

Incwadzi 1  
Emathemu  
1 & 2

# LOKUCUKETFWE

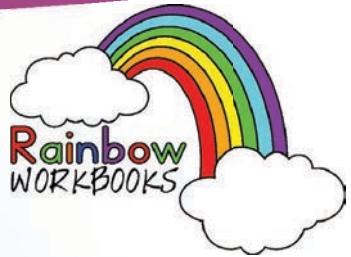
Inombolo	Sihloko	Likhasi
1	Bala, hlukanisa uphindze ukhombise!	2
2	Kubala ngekuhlakanipha	4
3a	Tinombolo ebhodini lelikhulu	6
3b	Tinombolo ebhodini lelikhulu (kuyachubeka)	8
4	Tikhundla	10
5	Kuhlanganisa nekususa	12
6	Kuphindza kibili nekuhhafula	14
7	Emafrakishini	16
8	Kwehlukanisa imali	18
9	Emaphethini	20
10	Emabhola, embabhosis nemibhoshongo	22
II	Dweba, unikete ligama, bese ucatanisa laboburjwa bebusobubili (i2D)	24
I2	Kwendlula kwesikhatsi	26
I3	Kukala libanga	28
I4	Umtsamo	30
I5	Sisebenta ngesisindvo	32
I6	Kusebenta ngeminingwane	34
I7	Catsanisa uphindze uholembise tinombolo	36
I8	Emandla sikhundla kuya kuma-99	38
I9	Kubeka emashumi ndzawonye uma sihlanganisa kufika kuma-99	40
20a	Hlanganisa kumugca-nombolo	42
20b	Hlanganisa kumugca-nombolo (siyachubeka)	44
21a	Susa kumugca-nombolo	46
21b	Susa kumugca-nombolo (siyachubeka)	48
22	Sikhatsi selidzili	50
23	Kubala urike ku 200	52
24	Kutilolonga ngeti-5	54
25a	Bala ngaku-2	56
25b	Bala ngaku-2 (siyachubeka)	58
26	Imali endvulo nanyalo	60
27	Bala ngaku-3	62
28	Yini lehamba ngaku-4?	64
29	Emaphethini ngetinombolo	66
30a	Kwaba	68
30b	Kwaba (siyachubeka)	70
31	Emafrakishini	72
32	Sesikhatsi	74

Inombolo	Sihloko	Likhasi
33	Hlosa kufika kuma-200	76
34	Kusebenta ngemacembu etinombolo	78
35a	Kubeka emashumi ndzawonye neku siwehlukanisa	80
35b	Kubeka emashumi ndzawonye neku siwehlukanisa (siyachubeka)	82
36	Kuvakashela dokotela wematinyo	84
37a	Yengeta uphindze uhlanganise	86
37b	Yengeta uphindze uhlanganise (siyachubeka)	88
38	Catulula!	90
39	Bala uphindze ucatulule	92
40	Kukala ngemasentimitha	94
41	Umgomo 300	96
42	Kuhlanganisa nekususa ngaboloo	98
43	Umgomo 400	100
44	Kukala	102
45	Umgomo 500	104
46	Kuhlanganisa nekususa	106
47	Lolonga lwati lwakho	108
48	Umuga-sibuko	110
49	Kwakha kufika kuma-500	112
50	Kuphindzaphindza nekwaba nga (10)	114
51	Bala ngaku-2	116
52	Yila ngemathayili	118
53	Ngeti-5 kuya ku ma-500	120
54	Kusebenta ngesikhatsi	122
55	Bala ngaku-3 nangaku-4	124
56	Sita bantswana	126
57	Emafrakishini: bohhafu nemakota	128
58	Emafrakishini: bohhafu, boncenyeentsatfu naboncenyesyifupha	130
59	Emafrakishini: boncenyehlanu	132
60	Tintfo letibusontsatfu (i3D)	134
61	Kuphindza nehhafu	136
62	Kuphindza kibili nehhafu kuyengetwa	138
63	Butsisa bese uyahlanganisa	140
64	Kutijabulisa ngetibalo	142
	Lokusikiwe 1	
	Lokusikiwe 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



Libanga 3



T i b a I o

NGESISWATI

Lencwadzi ya:



SISWATI  
Incwadzi

I



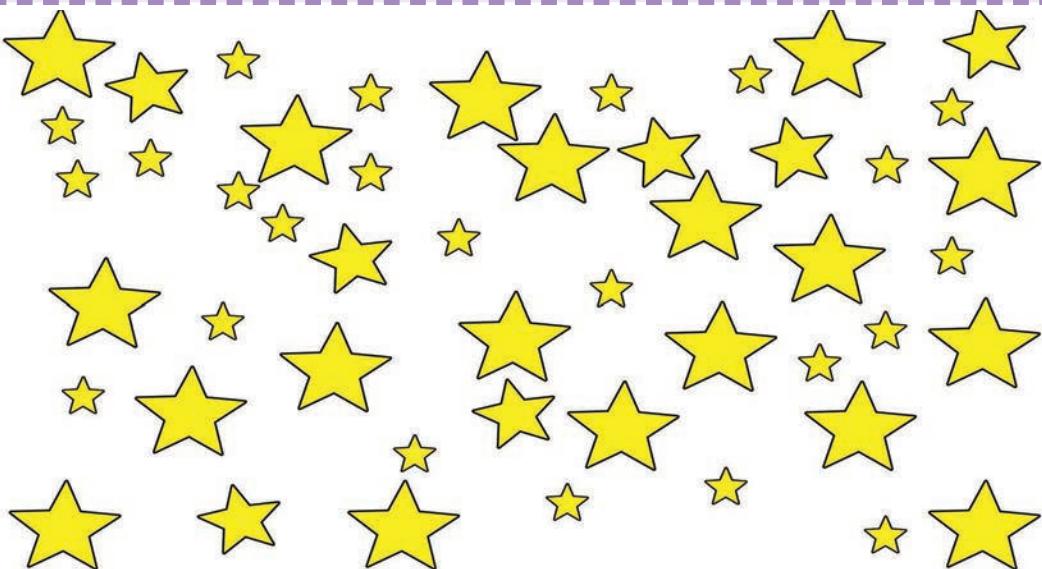
Lusuku:

## Bala, hlukanisa uphindze ukhombise!



Tingakhi tinkhanyeti?

Catsanisa timphendvulo.



Linganisa kutsi tingakhi tinkhanyeti. \_\_\_\_\_

Nyalo tibale. \_\_\_\_\_



### Tfola lophumelele!

Ngubani lolinganise kancono? Gcwalisani emagama enu netimphendvulo kulelithebula.

Ligama				
Linganisa				
Inombolo lebaliwe				
Umehluko emkhatsini wekubekisa kwakho nekubala kwakho				



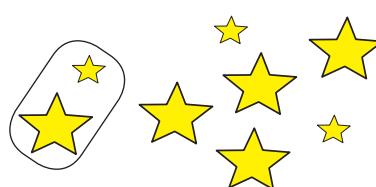
Tindlela tekubala. Sisite kutibhala phansi.



Ngibale  
ngaku-1  
ngaku-1.



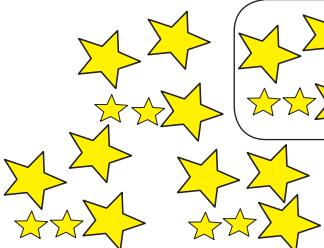
I, 2, 3, \_\_\_\_\_  
\_\_\_\_\_



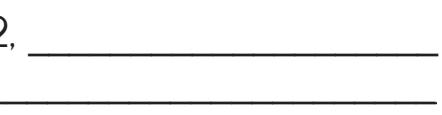
Ngibale  
ngaku-2.



Ngibale  
ngaku-5 ngase



5, \_\_\_\_\_  
\_\_\_\_\_



Ngibala  
ngema-10.



\_\_\_\_\_



### Bhala imishotinombolo

Bala samba selinani letinkhanyeti letinkhulu naletincane esitfombeni ekhasini 2.

Kukhulu

Kuncane

ngalendlala

nobe

ngalendlala



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

futsi njengemushonombolo.

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

Uma uhlanganisa nobe ngutiphi  
tinombolo letimbili akukhatsaleki  
kutsi tihleleke njani.



Teacher:  
Sign:  
Date:

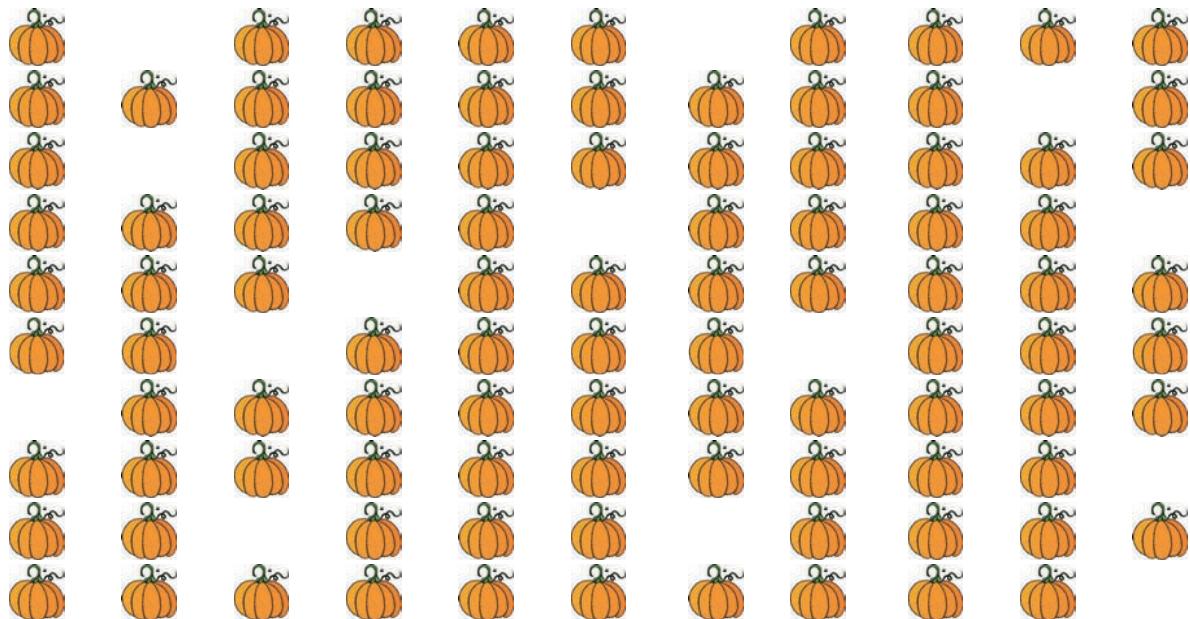
2



## Kubala ngekuhlakanipha

Bala lamatsanga

Tfola indlela lemalula yekuwabala.



Imphendvulo: \_\_\_\_\_



Pakisha ematsanga

Ematsanga lalishumi aya esakeni linye.



Mangakhi emasaka longawagcwalisa ngalamatsanga? \_\_\_\_\_

Mangakhi ematsanga lasalako? \_\_\_\_\_

Mangakhi lamanye ematsanga ladzingakalako kugcwalisa lelinye lisaka? \_\_\_\_\_



Kusuka ku + kuya ku  $\times$  (kuhlanganisa kuye kukuphindzaphindza)  
Cedzela lemiszonombolo.

Sibonelo:

$$10 + 10 + 10 + 10 = 40 \rightarrow 4 \text{ emacembu ema-}10 = 40 \rightarrow 4 \times 10 = 40$$



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

$$\underline{\hspace{2cm}} \text{ emacembu ema-}10 = \underline{\hspace{2cm}} \rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



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

$$\underline{\hspace{2cm}} \text{ emacembu ema-}10 = \underline{\hspace{2cm}} \rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



Tandla neminwe



Tingakhi tandla?        Mingakhi iminwe?       

Bhala imphendvulo yakho ngetindlela leti-2.

$$\underline{\hspace{2cm}} \text{ emacembu ema-}10 = \underline{\hspace{2cm}} \text{ na } \underline{\hspace{2cm}} \times 10 = \underline{\hspace{2cm}}$$



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

3a

Lusuku:



Ithemu I



Kukhuluma tinombolo

Bala uphindze usho tonkhe letinombolo kusuka ku I – 100. Khomba njengobe uhamba.

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



a. Bhala inombolo lengekho esibayeni lesilingangane ngasinye.

b. Bhala naleletinye tinombolo.

c. Luhlobo luni lwetinombolo letinombolo letimtfubi?



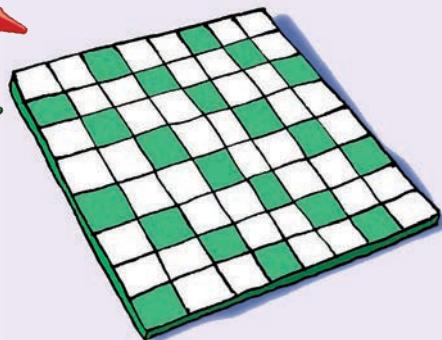
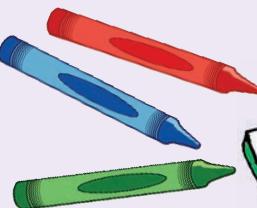
Bhala letinombolo ngemagama.

90	emashumi layimfica	41	
77		56	
14		65	



Kubala nekufaka umbala

Lungela kubala nekufaka umbala!



I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	I20
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

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	I20
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

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	I20
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

Bala uphindze uvale  
ema-10.

Bala ubuye uvale si- 5  
kusuka ku-0 kuya kuli-100.

Bala uphindze uvale bo  
ku-2.

Bala ngema-10 kusuka  
ku-10 kuya e-100.

Bala ngeti-5 kusuka  
ku-5 kuya e-100.

Bala ngaku boku-2 kusuka  
ku-2 kuya e-100.

Bhala ngema-10 kusuka  
ku-10 kuya e-100.

Bhala ngeti-5 kusuka  
ku-5 kuya kuma-80.

Bhala ngaku-2 kusuka  
ku-2 kuya e-100.

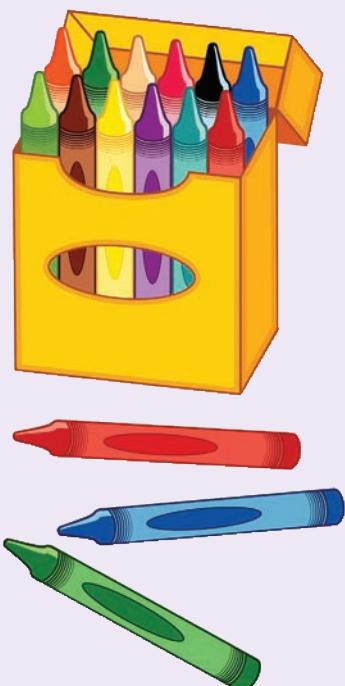


Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



Buka emaphethini

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



Faka lumphawu (✓) kuwo onkhe ema-10.

Faka siphambano (✗) kuto tonkhe ti-5

Kipilitela (○) bonkhe bo-2

Bhala tinombolo letingena kuperuthini yaku-2 nakuperuthini yeti-5.

---



---



---



---



## Emaphethini ekubala

Gewalisa tinombolo letingekho.

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:



Lusuku:

## Tikhundla



**Khombisa tinombolo takho.**

Ngcovota lamakhadi etinombolo kusuka lokujutjiwe I.

Sebentisa lamakhadi kwakha letinombolo.

1q

43

6q

54

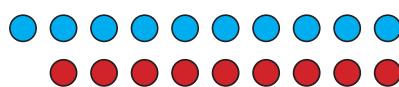
35

1 0

q



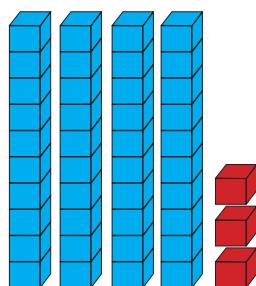
1q



1 0 q

$$10 + q = 1q$$

43



1 0  
1 0  
1 0  
1 0 3

$$40 + 3 = 43$$

Ase utentele letinombolo usebentise lokujutjiwe I.

54

35

6q



Kubhala letinombolo

Sikwentele yekucala

Singasho nekutsi  
q wabo l.

lq	l0 + q	l Lishumi + q emayunithi	Lishumi nemfica
43			
69			
54			
35			
21			
73			
44			
32			
89			
17			
95			
56			
68			
67			



Bhala tinombolo tekucala letishlanu ngeluhla kusukela kulencane  
kakhulu kuya kulenkulu kakhulu.

\_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_



Teacher:  
Sign:  
Date:

5

Lusuku:



Ithemu |



Indzawo yekutsengisa yaLebo  
Ekuseni Lebo unemaphakethe la-19 emahhabhula.  
Ngesikhatsi sesidlo sasemini usele nemaphakethe lali-13.

- a. Mangakhi emaphakethe latsengiswe nguLebo? \_\_\_\_\_  
b. Bhala imphendvulo yakho njengemushonombolo.  
\_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_



Bhala leminye imishonombolo lesihlanu kukhombisa imphendvulo lefanako.  
 $15 - 9 = 6$  \_\_\_\_\_



Kutejwayeta kubala tinombolo  **$1 + 2 = 3$**

Bhala timphendvulo.

Sebentisa ...  
+ - =

$10 + 5 =$ <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"/>



Iminden'i yetinombolo  5  9  14

Nati tibonelo talomndeni-nombolo.

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



Ungayitfola yini yonkhe iminden - nombolo ya 14?

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



Ngitawenta njalo  
nange-12

12

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



Teacher:  
Sign:  
Date:



# Kuphindza kabilii nekuuhafula

## Uyakhumbula?

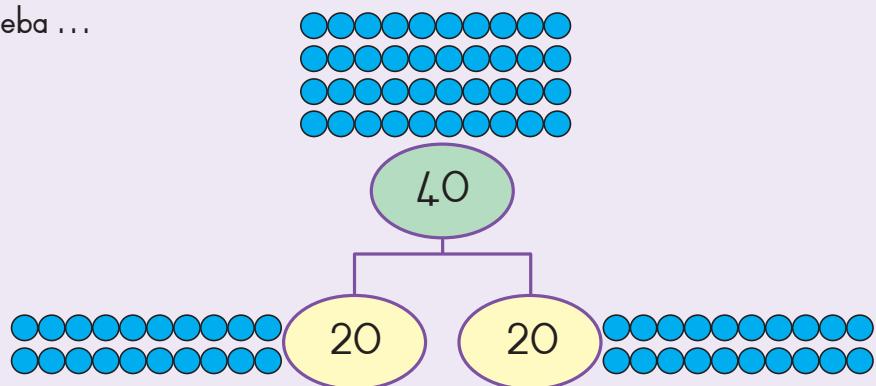
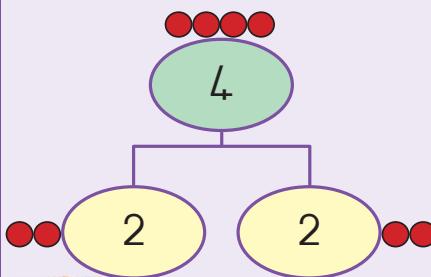
## 2 yihhafu ya-4

## 4 kuphindza kabilii ku-2

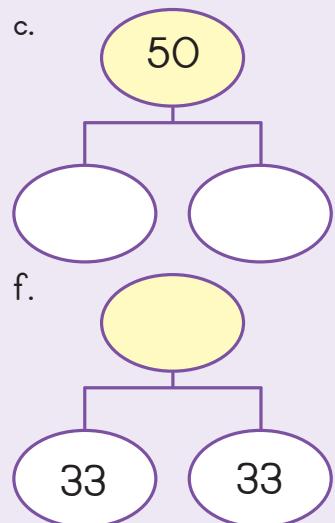
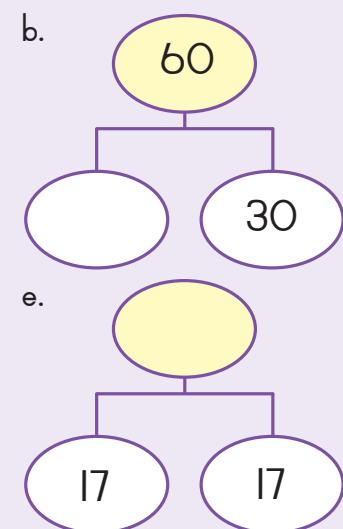
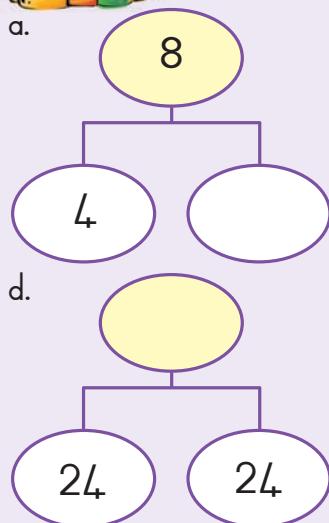
20 yihhafu ye - 40

40 kuphindza kibili ema - 20

## Singakukhombisa loku ngekudvweba ...



Tfola letiphindvwe kibili nobe emahhafu

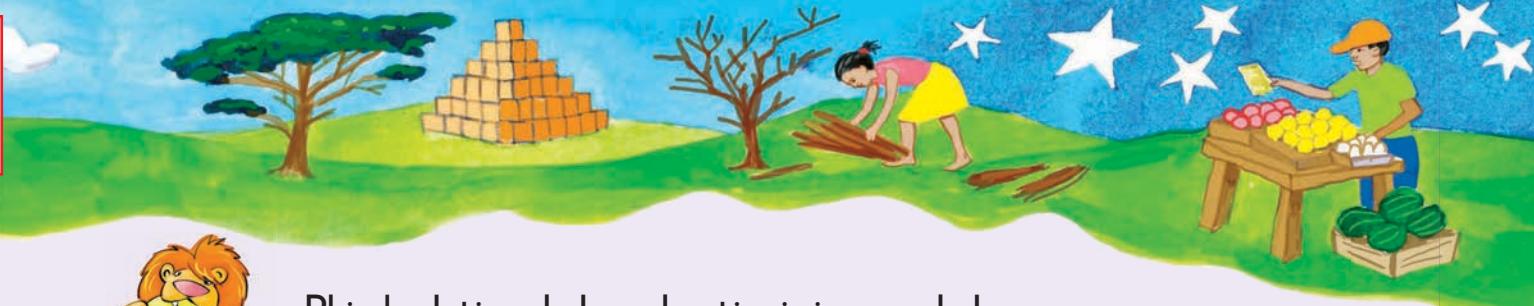


# Insayeya

## Tfola ihhafu ya 3.

**Khombisa njengenombolo noma ligama -nombolo.**

## Umdvwebo unqahle ukusite.



Phindza letinombolo usebentisa imigcanombolo.  
Uniketiwe sibonelo sekucala.

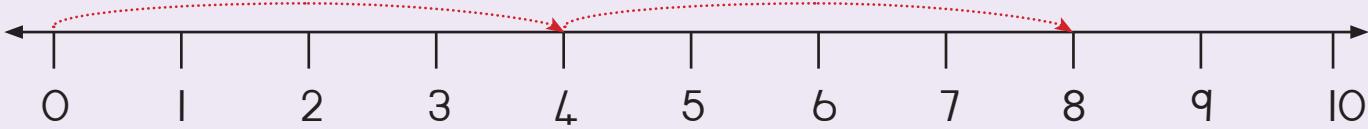
Phindza 4

**4**

+

**4**

**8**



Phindza 5

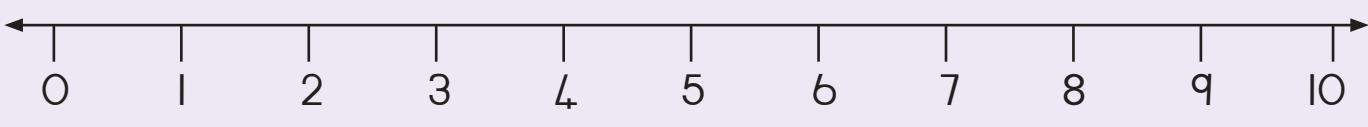
**□**

+

**□**

=

**□**



Phindza 20

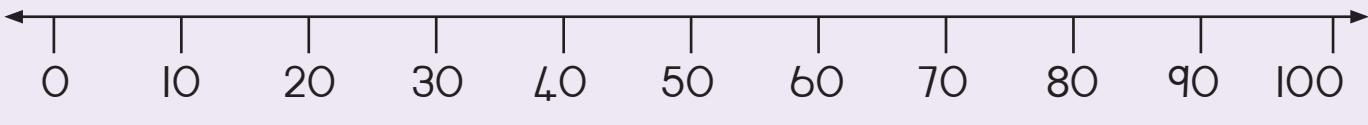
**□**

+

**□**

=

**□**



Phindza 40

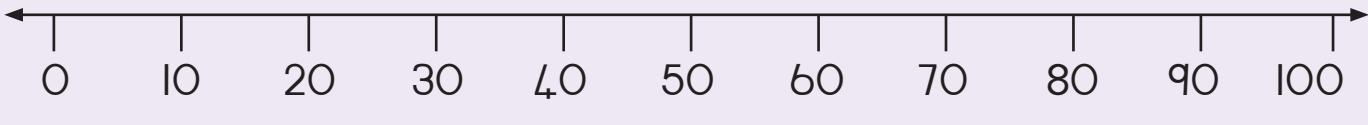
**□**

+

**□**

=

**□**



Cedzela loku lokulandzelako

- |               |          |
|---------------|----------|
| a. Phindza 1  | <b>2</b> |
| b. Phindza 6  | <b> </b> |
| c. Phindza 10 | <b> </b> |
| d. Phindza 30 | <b> </b> |
| e. Phindza 50 | <b> </b> |



Cedzela loku lokulandzelako

- |               |          |
|---------------|----------|
| a. Hhafula 6  | <b>3</b> |
| b. Hhafula 8  | <b> </b> |
| c. Hhafula 14 | <b> </b> |
| d. Hhafula 60 | <b> </b> |
| e. Hhafula 70 | <b> </b> |



7



Lusuku:

Ithemu |

## Emafrakishini

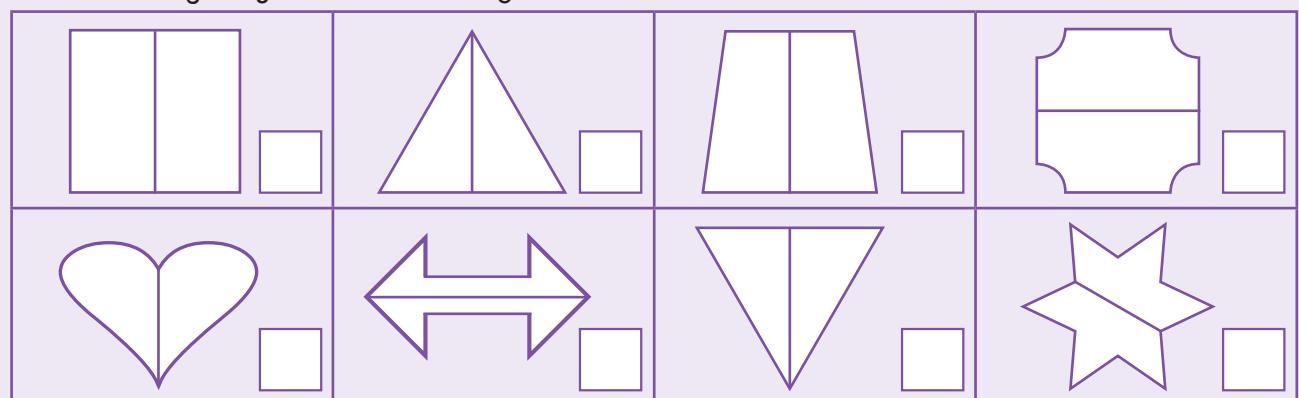
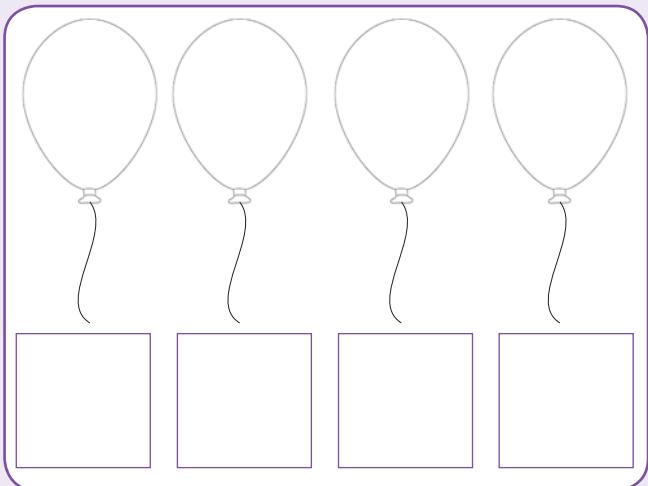
Faka umbala lobovu ekoteni yinye yemabhaluni,  
kulawa lamanye ufake lolingangane.

Faka umbala lobovu ehhafini yelibhoksi ngalinye.



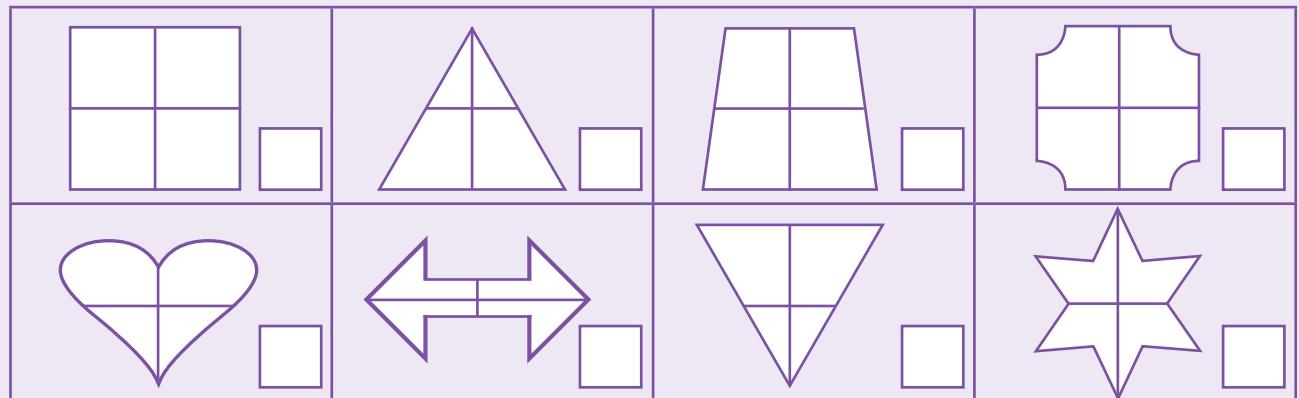
Bukisia bobunjwa. Faka lumphawu  
bobunjwa labakhomba bohhafu.

Faka umbala ehhafini yinye  
yabunjwa lohlukaniswe ngabohhafu.



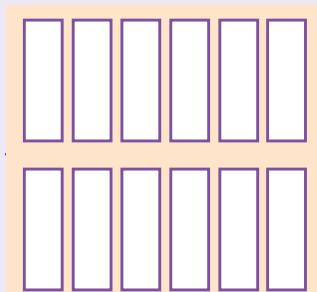
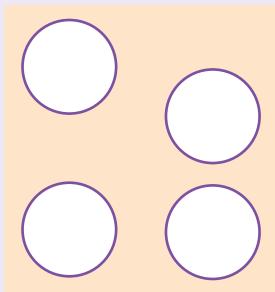
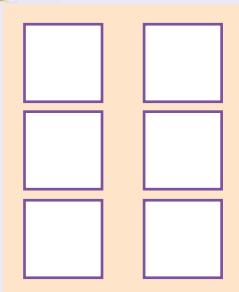
Bukisia labobunjwa. Faka lumphawu bobunjwa labakhomba emakota.

Faka umbala ekoteni yinye kuloyo naloyo bunjwa lohlukaniswe ngemakota.

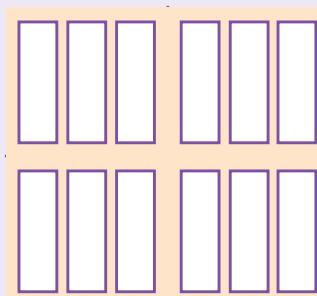
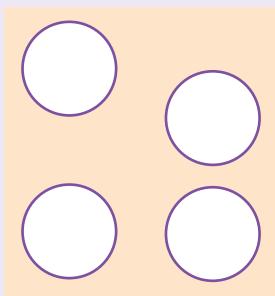
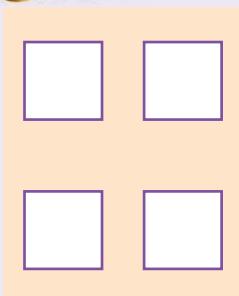




Faka umbala ehhafini yalabunjwa. Ngubani ihhafu yenombolo yalabunjwa?



Faka umbala ekoteni yalabunjwa. Ngubani ikota yenombolo yalabunjwa?



Bhala usebentisa inkhomba yefrakishini.

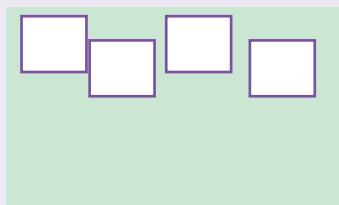
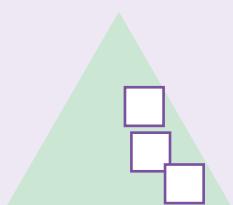
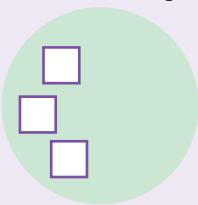
Ihhafu



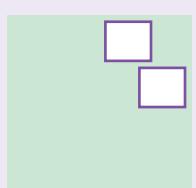
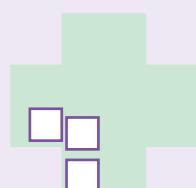
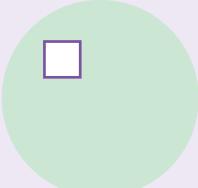
Ikota



Dwweba labanye bobunjwa kwenta labohhafu balingane.



Dwweba labanye bobunjwa kwenta lamakota alingane.





## Kwehlukanisa imali

Esitokifeleni

Make LaLubisi ubala futsi ehlukanise imali ecenjini.



Linganisa linani leliphelele. R \_\_\_\_\_

Catsanisa tilinganiso nemathothali.

Bala imali. R \_\_\_\_\_



Konga imali

Gugu wongela emapheya eticatfulo letibita R89.

Kwanyalo unehhafu yalelinani.

Weswela malini ngetulu?

Bhala umushonombolo kukhombisa imphendvulo yakho.





## Ebhange

Maria upakisha imali yemaphepha  
ngetincumbi teti -5.  
Unemali yemaphepha lesele.  
Bhala emathothali esitfombe ngasinye.



Linani

	R _____
	R _____
	R _____



## Insayeya

Kuvakasha eZu

Bantfu labadzala nebantfwana baya eZu.

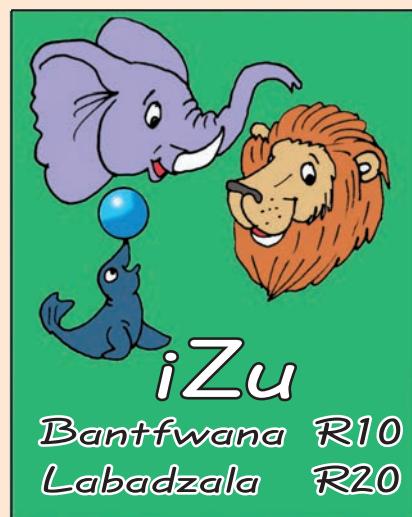
Batsenga emathikithi ngema -R90.

Bangakhi bantfwana? \_\_\_\_\_

Bangakhi labadzala? \_\_\_\_\_

Ngabe ikhona lenye imphendvulo?

Labadzala \_\_\_\_\_ Bantfwana \_\_\_\_\_



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



Lusuku:

Ithemu |



## Emaphethini

Sebentisa lebhodi-nombolo ya 200 kuperhendvula imibuto.

I	2	3	4	5	6	7	8	9	10
II	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200



Sebentisa ibhodi-nombolo ya 200 kucedzela letinombolo letine letilandzelako kulamaphethini etinombolo. Chubeka ufade umbala kuphethini lekubbhodi-nombolo.

105, 110, 115, _____	87, 90, 93, _____
36, 40, 44, _____	184, 186, 188, _____
70, 65, 60, _____	138, 135, 132, _____
180, 176, 172, _____	14, 12, 10, _____



Bhala tinombolo letilandzelako kuphethini ngayinye. Chubeka ufa ke umbala kuphethini. Yini loyibondko ngemaphethini lanembala munye?

Kubala ngesihlanu.

		5		10

Kubala ngakubili.

2	4								

Kubala ngakutsatfu

	3	6							

Kubala ngalokulishumi

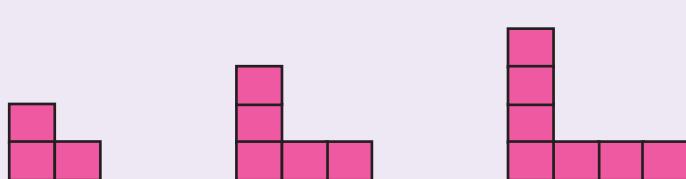
									10



Nweba lephethini









Teacher:  
Sign:  
Date:

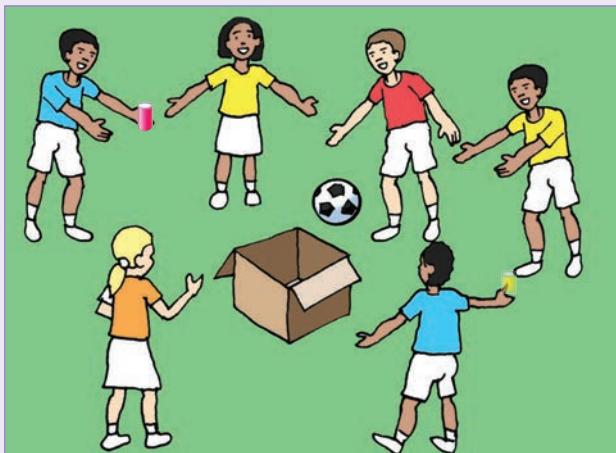
10



Lusuku:

Ithemu |

## Emabhola, emabhokisi nemibhoshongo



Kipilitela emabhokisi ngembala lolingangane, emabhola ngalobovu, emasilinda wona ngaloluuhlata.



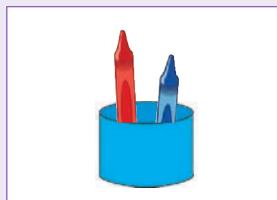
Faka umbala emphendvulweni lengiyo.



Libhokisi

kuyashelela

kuyagicika



Isilinda

kuyashelela

kuyagicika



Ibhola

kuyashelela

kuyagicika



Faka umbala emphendvulweni lengiyo.

umnyele loyindilinga
umnyele locondzile

umnyele loyindilinga
umnyele locondzile

umnyele loyindilinga
umnyele locondzile

umnyele loyindilinga
umnyele locondzile

umnyele loyindilinga
umnyele locondzile

umnyele loyindilinga
umnyele locondzile

umnyele loyindilinga
umnyele locondzile

umnyele loyindilinga
umnyele locondzile



Shano kutsi ibhola isemuva, isembikwelibhokisi, eceleni noma ngetulu kwalo.

ngemuva	embikwe
eceleni kwe	etukwe

ngemuva	embikwe
eceleni kwe	etukwe

ngemuva	embikwe
eceleni kwe	etukwe

ngemuva	embikwe
eceleni kwe	etukwe



Teacher:  
Sign:  
Date:



Lusuku:

## Dvweba, unikete ligama, bese ucatsanisa labobunjwa bebusobubili (i2D)

Ithemu I



Dvweba bobunjwa

Calantsatfu



Indilinga



Sikwele

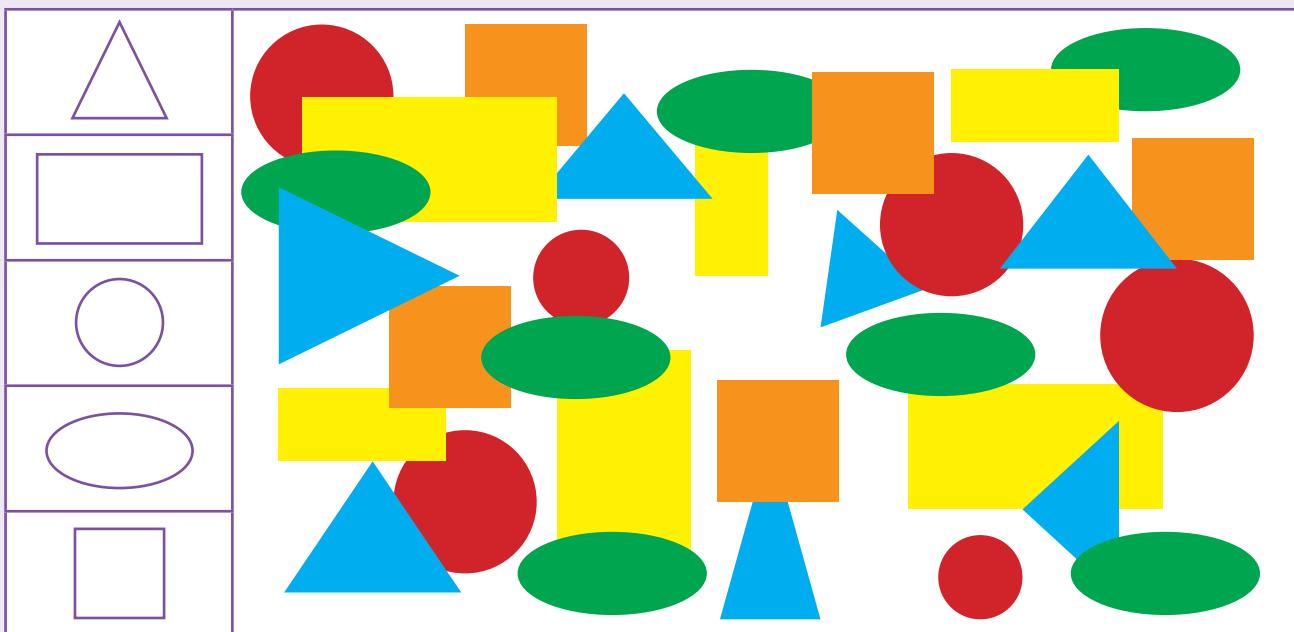


Calandze



Bala labobunjwa

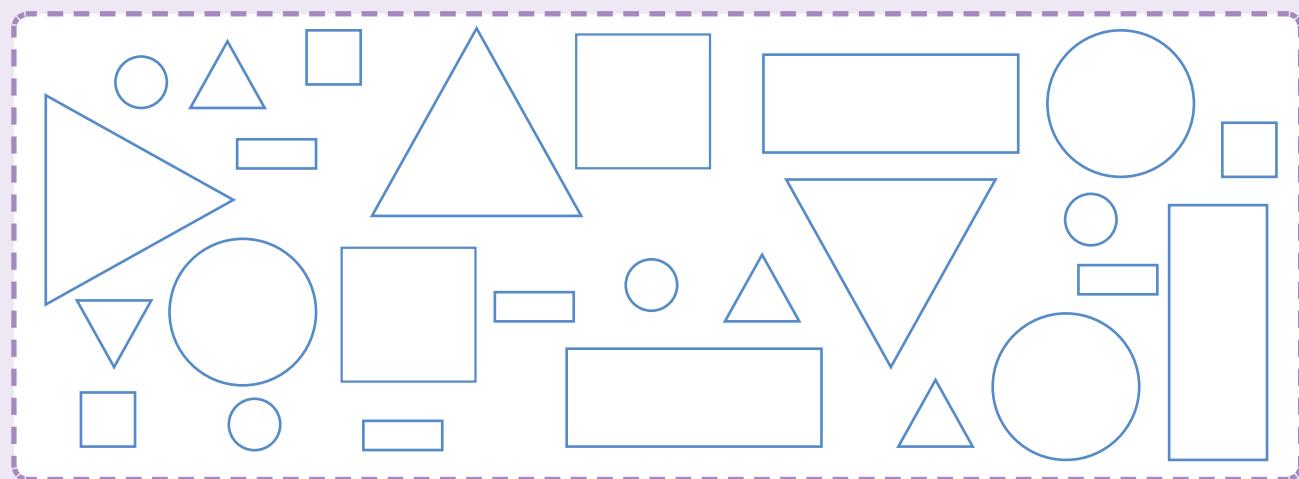
Bala kutsi bangakhi bobunjwa labafana nalona longabatfola kulesitfombe.





## Faka umbala

lobovu kutotonkhe tindilinga letinkhulu, loluhlata kuletincane; lolingangane kubocalantsatfu labakhulu, loliphuti kulabancane, mtfubi etikweleni letinkhulu, letincane losamsobo; lonsundvu kubocalandze labakhulu, lophinki kubocalandze labancane.



## Mangakhi emacala?

Bunjwa ngamunye unamangakhi emacala? Bhala inombolo kuleyo bhuloki. Sikwentele kunye. Lamacala acondzile nobe atindilinga? Faka umbala emphendvulweni lengiyo.

kucondzile	indilinga	kucondzile	indilinga
kucondzile	indilinga	kucondzile	indilinga



Teacher:  
Sign:  
Date:

12

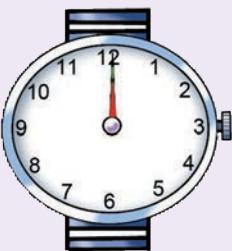
Lusuku:

Ithemu |



Fundza sikhatsi

Ngabe lamawashi akhombisa tiphi tikhatsi?



enhloko

enhloko

enhloko

enhloko



Zuba ngasewashini

Sita Gundvwanyana kubala imizuzu ngabo 5.

Calà kuli-12. Bala urike ekugcineni.



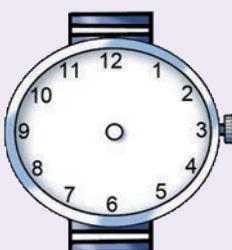
Mingakhi imizuzu loyibalile? \_\_\_\_\_

Mingakhi imizuzu e - aweni li - I? \_\_\_\_\_



Bhala sikhatsi

Dvweba tandla kukhombisa tikhatsi.



lishumi nesihlanu  
emva kwa 6

igabence yesi 8

lishumi nesihlanu  
embi kwa 11

lishumi nesihlanu  
emva kwa 5



Tumi uya esikolweni.



Usuka ekhaya.



Ufika esikolweni.

Ngabe Tumi utsatsa sikhatsi lesingakanani? \_\_\_\_\_

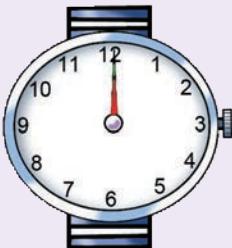


### Lilanga lekubhaka

Maria ubhaka sinkhwa.



Sinkhwa singena  
ku-avini.



Sinkhwa  
siyaphuma.



Sinkhwa sibhakeka imizuzu le \_\_\_\_\_.



### Insayeya

Kusikhatsi lesiphindziwe

- a. Gucula lama-awa aye kumizuzu.

Ema-awa	1	2	4	8
Imizuzu	60			

Ngikhona kubona  
iphethini.



- b. Jabu utsatsa imizuzu lengema - 45 kufika esikolweni. Tumi utsatsa sikhatsi lesiphindvwe kabili kulesi. Ngabe Tumi utsatsa ema-awa lamangakhi kufika esikolweni? \_\_\_\_\_



Teacher:  
Sign:  
Date:

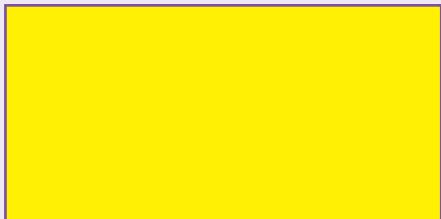
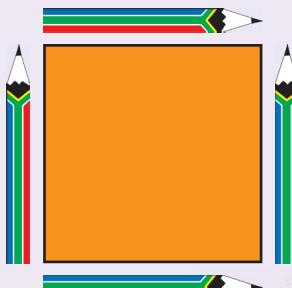
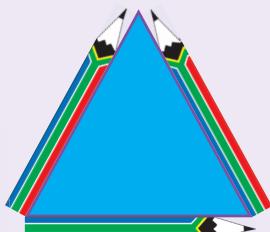
13



Lusuku:

Ithemu |

## Kukala libanga



Sekawonkhe  
lamacala  
alocalantsatfu  
angemapeniseli  
lama-3 budze.

Sekawonkhe  
lamacala  
alesikwele  
angemapeniseli  
lama-4 budze.

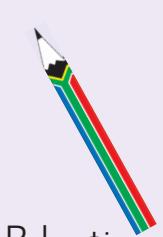


Engabe localandze  
unganani budze  
nebubanti?

Tingakhi tipeniseli letingangena ngebudze kulocalandze?

Tingakhi tipeniseli letingangena ngebubanti kulocalandze?

Budze



Bubanti

Utisebentise kanjani tipeniseli kubala?

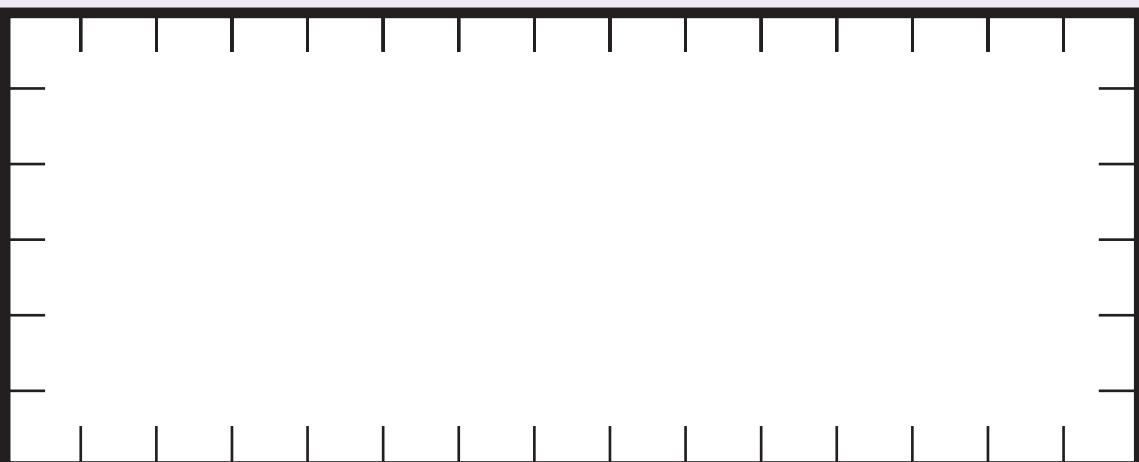


## Budze lobuyimfihlo

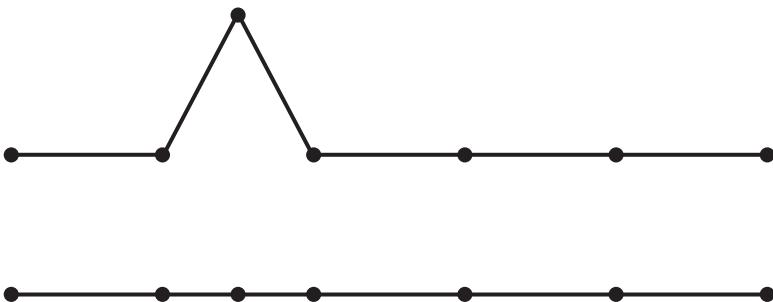
- a. Mingakhi imigca lebovu loyidzingako kumbonya lomugca lomnyama ?

\_\_\_\_\_

- b. Mingakhi imigca lebovu loyidzingako kuhamba ugegelete wonke localandze?



- c. Nguyiphi lendze indlela, lengetulu nobe lengaphasi, nobe iyafana?



Imphendvulo \_\_\_\_\_

Kungani? \_\_\_\_\_



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



## Umtsamo



Lesikotela singatsatsa tinkomishi letili-10 temanti. Sevele ngifake letimbili tipunu kulenkomishi.

Kusele tingakhi tinkomishi temanti kutsi lesikotela sigcwale?

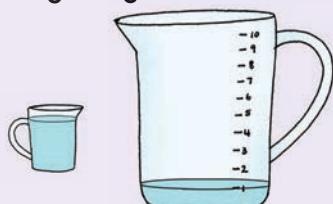
---



Tingakhi tinkomishi temanti letikulesikotela?

Sidzinga tingakhi tinkomishi kutsi sigcwali se lesikotela?

a.



Esikoteleni

Sidzinga lokungetulu

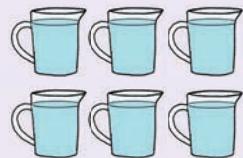
b.



Esikoteleni

Sidzinga lokungetulu

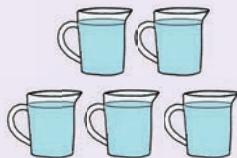
c.



Esikoteleni

Sidzinga lokungetulu

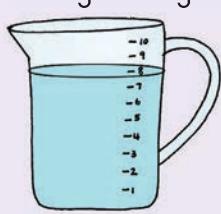
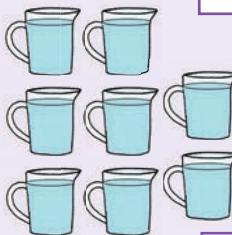
d.



Esikoteleni

Sidzinga lokungetulu

e.



Esikoteleni

Sidzinga lokungetulu

f.

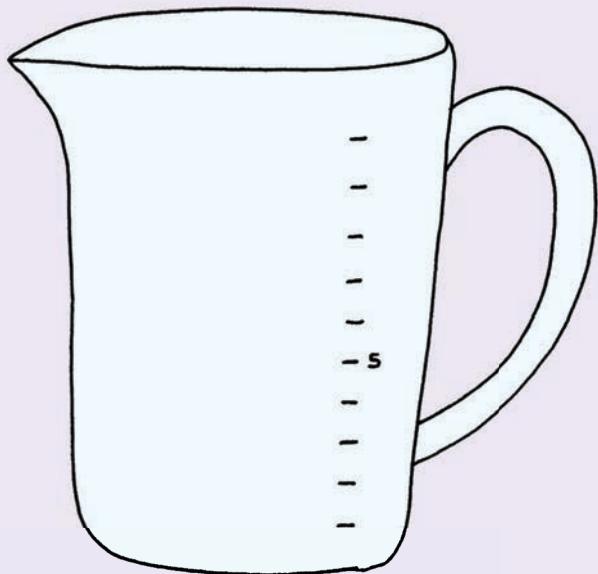


Esikoteleni

Sidzinga lokungetulu



Bhala letigaba temikhatsi kulelijeke lekukala. Sikhombise sigaba 5.

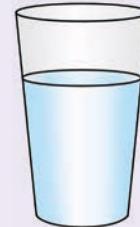


Nangabe inkomishi yinye ifika  
kumkhawusikalo 2, udzinga tingakhi  
tinkomishi kugcwalisa lijeke kufike ku?

- a. 4 \_\_\_\_\_
- b. 6 \_\_\_\_\_
- c. 8 \_\_\_\_\_
- d. 10 \_\_\_\_\_



Faka lumphawu tikotela letimumatsa ilitha yinye yemanti.



Teacher:  
Sign:  
Date:



## Sisebenta ngesisindvo

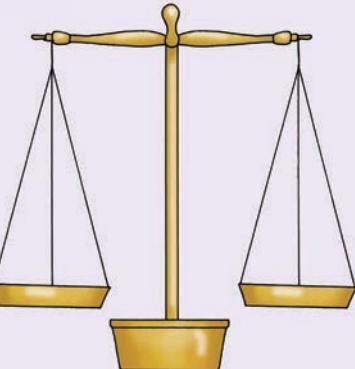


Asilinganiseni sisindvo setfu!

Kutfola kutsi, **sisindza** nobe **simalula** ngakanani,  
sisebentisa sikali.

Silinganiso sisindvo ngemak**khilogramu**. Sisebentisa lesifinyeto: kg.

Ngubani lonesisindvo lesikhulukati?



41 kg



38 kg



41 kg



42 kg

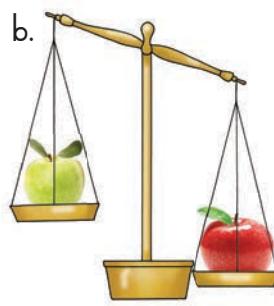
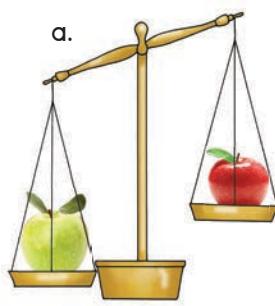


39 kg



Sisebentisa sikali - masimama kukala sisindvo.

Kulesikali omabili emahhabhula esindza ngekulingana.



Phendvula umbuto: bhala a noma b.

Ngukusiphi sikali lapho khona lihhabhula leliluhlata limatinanya kunelihhabhula lelibovu

Ngukusiphi sikali lapho khona lihhabhula leliluhlata limalulana kunelihhabhula lelibovu

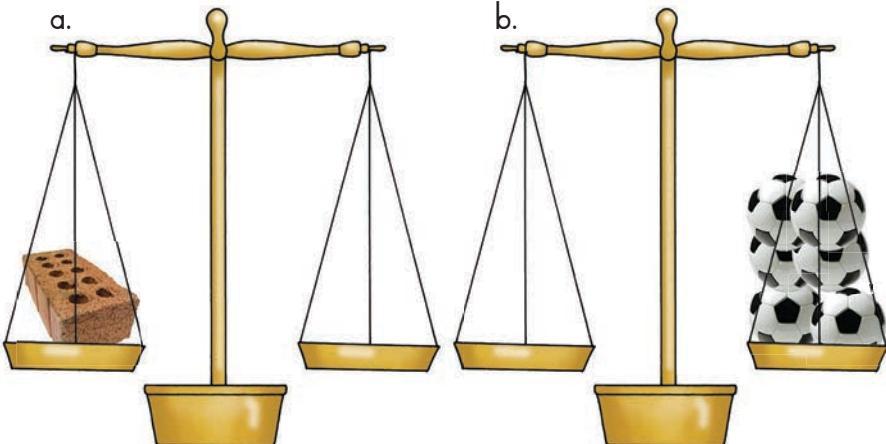


Linganisa sikali.

Sikwentele kwekucala.



Dvweba kutsi tingakhi titini noma emabhola lowadzingako kwenta letikali tisimame.



Nangabe liphasela linye linesisindvo lesingu 3 kg, emaphasela lama -2 nama -3 atawusindza kangakanani?



a. 2 emaphasela \_\_\_\_\_

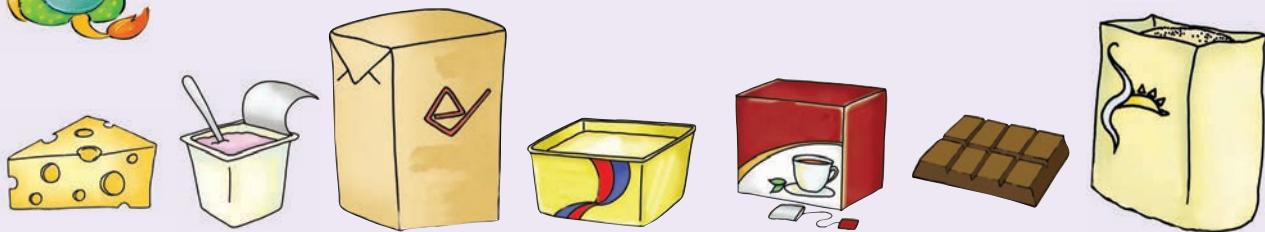
b. 3 emaphasela \_\_\_\_\_

c. Ngingawaka yini emaphasela lama -4 ngasikhatsi sinye kulesikali sasekhishini? \_\_\_\_\_

Usho ngani? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Faka lumphawu ebbulokini yemphendvulo lenetintfo letinesisindvo sa 1 kg.



Teacher:  
Sign:  
Date:



## Kusebenta ngemininingwane

Ticatfulo ekilasini



Fundza lendzaba.

Thabo: Hawu, Nkhosikati! Jack sidlakela! Ugcoka sayizi 6 weticatfulo!

Nkhs Khoza: Kulungile! Yebo, Thabo, loko kukhulu kumntfwana lonemfica yemnyaka budzala! Wena Thabo ugcoka sayizi bani weticatfulo? Ngabe likilasi selilonkhe ligcoka sayizi bani weticatfulo? Asenteni umklamo!

Bafundzi abasho emasayizi eticatfulo tabo, ngamunye ngamunye.

Make Khoza ubala emasayizi ebhodini.

Make Khoza: Bala, bese ubhala kutsi mangakhi emasayizi ngayinje etafuleni.

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

Gcwalisa lelithebula ngaphasi.

Emasayizi eticatfulo ekilasini

Isayizi 1	Isayizi 2	Isayizi 3	Isayizi 4	Isayizi 5	Isayizi 6



Manje dvweba igrafusitfombe.



= I umfundzi

Isayizi 1	Isayizi 2	Isayizi 3	Isayizi 4	Isayizi 5	Isayizi 6



Nyalo phendvula lemibuto.

- Bafundzi labanyenti bagcoka yiphi isayizi yeticatfulo \_\_\_\_\_.
- Linani lelincane ligcoka isayizi \_\_\_\_\_.
- \_\_\_\_\_ webantfwana bahlanganye kulumkamo.



Nine-ke nigcoka yiphi isayizi?

Tfola kutsi wena nebangani bakho nigcoka waphi emasayizi!

- Sebentani ngemacembu alaba-6 nalabasi-8.
- Gcogca idatha yakho.
- Bhala lelinani lemasayizi eticatfulo etafuleni.
- Catsanisa timphendvulo nalamanye emacembu.



Teacher:  
Sign:

Date:



## Catsanisa uphindze uhlelembise tinombolo

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

Nguyiphi inombolo  
lesembikwe -84?  
Nguyiphi lengemuva  
kwe -84?



Nguyiphi inombolo  
lesemkhatsini we -  
88 ne -90?



Gcwalisa tinombolo letishiyiwe.

51									
									67
71									
									100

Sebentisa libhodi nombolo kuphendvula lembuto

- Guyiphi inombolo lesembikwe -68? \_\_\_\_\_
- Guyiphi inombolo lesemva kwe -68? \_\_\_\_\_
- Bhala phasi tinombolo letisihlanu letincane kune -71. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- Bhala phasi tinombolo letisihlanu lettingetulu kwe -71. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- Ngutiphi tinombolo letisemkhatsini we -79 ne -84? \_\_\_\_\_
- Bhala tinombolo kusukela kulencane kuya kulenkulu. 73, 52, 50, 59, 61 \_\_\_\_\_
- Bhala tinombolo kusukela kulenkulu kuya kulencane. 74, 96, 99, 91, 38 \_\_\_\_\_



Cedzela lelithebula. Cala ngenombolo lonikwe yona.

	lenkhulu ngakunye	lencane ngakunye	lengetulu ngelishumi	lengephasi ngelishumi
25				
39				
74				
56				
40				



Kipilitela inombolo lenkhulu kakhulu.

78    87    17

36    63    33

Kipilitela inombolo lencane kakhulu.

qq    19    9

14    41    40



Nangabe < asho lokuncane kuna, kani > usho lokukhulu kuna, cedzela:

32    <    64

23    >    18

57    [ ]    98

89    [ ]    57



Tfola tinombolo letisi -5 ephephandzaben i letisemkhatsini we -50 ne -qq bese utinamatsisela lapha ngekulandzelana.



Teacher:
Sign:
Date:



## Emandla sikhundla kuya kuma - 99

Kukhombisa tinombolo usebentisa tintfo

Singakhombisa tinombolo ngemabhaluki emandla-sikhundla.

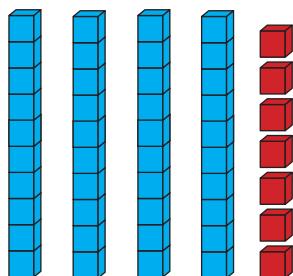
Libhaluki lelincane limele ku-l. Liyiyunithi.

Indvuku leneli-IO lemabhaluki lamancane imele li-IO Ilishumi.

Emashumi	Emayunithi
4	4
	2

Ungakhombisa inombolo  
ngekusebentisa emashumi  
nemayunithi.

Nayi indlela yekukhombisa ema-47.



Emashumi	Emayunithi
4	7
emashumi lamane nesikhombisa	
47	



## Kubhala tinombolo ngemadijithi nangemagama

- a. Ngaphasi kwesitfombe, bhala kutsi mangakhi emashumi nemayunithi.  
Emva kwaloko bhala inombolo ngemadijithi nangemagama.

Emashumi	Emayunithi	Emashumi	Emayunithi	Emashumi	Emayunithi
3	1				
31					
mashumi lamatsatfu nakunye					



2 0 6

2 6

b. Singawase bentisa emakhadi nombolo kukhombisa loku lokungetulu.

Inombolo	Mangakhi emashumi?	Mangakhi emayunithi?	Bhala lenombolo ngemagama
26	2	6	Emashumi lamabili nesitfupha
46			
qq			



Ngubani inombolo?

	<p>3 0 5 3 5</p>	<table border="1"> <tr> <td>Emashumi</td><td>Emayunithi</td></tr> <tr> <td>3</td><td>5</td></tr> </table> <p>Emashumi lamatsatfu nesihlanu 35</p>	Emashumi	Emayunithi	3	5
Emashumi	Emayunithi					
3	5					
	<p>_____</p>	<table border="1"> <tr> <td>Emashumi</td><td>Emayunithi</td></tr> <tr> <td>_____</td><td>_____</td></tr> </table> <p>_____</p>	Emashumi	Emayunithi	_____	_____
Emashumi	Emayunithi					
_____	_____					
	<p>_____</p>	<table border="1"> <tr> <td>Emashumi</td><td>Emayunithi</td></tr> <tr> <td>_____</td><td>_____</td></tr> </table> <p>_____</p>	Emashumi	Emayunithi	_____	_____
Emashumi	Emayunithi					
_____	_____					



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

19

Lusuku:



Fundza

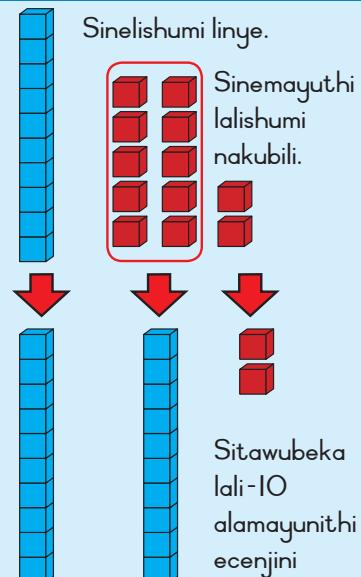
## Kubeka emashumi ndzawonye uma sihlanganisa kufika kuma - 99

Ithemu I

Nayi indlela yinje yekukhombisa 22.

Emashumi	Emayunithi
1 lishumi	12 emayunithi
1 0	1 0 2

Sinelishumi linye.



Nyalo sinalenye indlela yekukhombisa 22.

Emashumi	Emayunithi
2 emashumi	2 emayunithi

2 2

Asihlanganiseni  $27 + 4$ . Lamabhaluki lalingangane ngulawa lesicala ngawo.  
Lawa labovu ngulawa lesiwengetako.

27 ngemashumi lama-2 kanye nemayunithi la-7. Emva kwaloko singengeta lamanye emayunithi la-4.

Emashumi	Emayunithi
2 Emashumi	7 emayunithi + 4 emayunithi

$$\begin{array}{ccc} 2 & 0 & 7 \\ \text{Emashumi} & + \text{emayunithi} & = \end{array}$$

2 0 7

Sinemashumi lama-2 nemayunithi la-11.

Emashumi	Emayunithi
Singakhombisa emayunithi la-10 njengelishumi linye.	

$$\begin{array}{ccc} 2 & 0 & 1 0 \\ \text{Emashumi} & + \text{emayunithi} & = \end{array}$$

2 0 1 0 1

Nyalo sinemashumi lama-3 + 1 yunithi = 31

Emashumi	Emayunithi
3 Emashumi	1 emayunithi

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

$$\begin{array}{cc} 3 & 1 \end{array}$$



## Bhala lomushonombolo lokhonjiswe esitfombeni

Emashumi	Emayunithi	Emashumi	Emayunithi	Emashumi	Emayunithi
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
$10 + 5 + 6$	$\underline{\quad} + \underline{\quad} + \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$			

Cedzela letitfombe. Bhala imishonombolo lekhonjiswa sitfombe.

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

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



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

# 20a



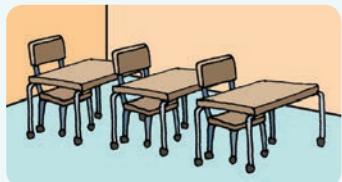
## Hlanganisa kumugca - nombolo

Ithemu |

### Hlala edesikini lakho!

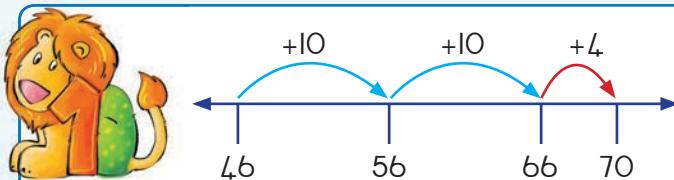
Esikolweni setfu umfundzi ngamunye unelidesiki lakhe.

Kunebefundzi labama - 46 kuLibanga 3A kantsi bangema - 24  
kuLibanga 3B. Sidzinga mangakhi emadesiki kulamakilasi lamabili?



### Sebenta nemngani

Buka kutsi labafundzi labatsatfu bawusebentise njani umugca - nombolo kucatulula inkinga.  
Cedzela letibalo ngekusebentisa lesibonelo.



Loku nguloku lengikwentako: Ngicala ngekwenta li - 10. Loku kunginiketa ema - 56. Ngibese ngizuba lelinye li - 10 kufika kuma - 66. Futsi kwekugcina, ngizuba lomunye 4 kufika kuma - 70.

Yikhombise ngemakhadi nombolo akho

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

$$= 56 + 10 + 4$$

$$= 66 + 4$$

$$= 70$$

Kumele  
ngihlanganise ema -  
24 kuma - 46.



a.  $32 + 25 =$

→

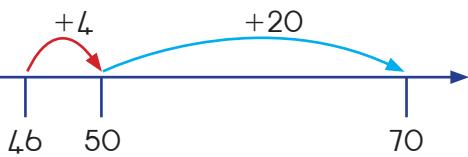


b.  $52 + 26 =$

← →

c.  $46 + 25 =$

← →



Kumele  
ngihlanganise  
ema-24 kuma-46.



Loku nguloku lengikwenta: Kwekucala ngizuba-4. Loku kutangiletsa kuma-50. Ngingaphindze ngizube ema-20 futsi, lokungiletsa kuma-70.

Yikhombise ngemakhadi nombolo akho.

$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$

a.  $36 + 41 =$

← →



# 20b



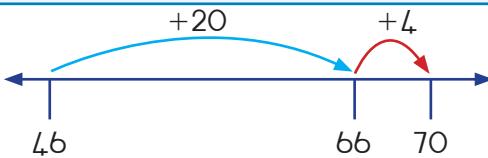
Lusuku:

Ithemu |

## Hlanganisa kumugca - nombolo (siyachubeka)

b.  $57 + 19 =$

← →



Kumele  
ngihlanganise ema-  
24 kuma-46.



Loku nguloku lengikwentako: Kusuka kuma-46, ngingazuba ema-20. Loku kungiletsa kuma-66. Nyalo kumele ngizube-4 futsi bese sengifika kuma-70.

Singawasebentisa futsi emakhadi nombolo.

$$= 46 + 20 + 4$$

$$= 66 + 4$$

$$= 70$$

a.  $63 + 24 =$

← →

b.  $65 + 29 =$

← →



## Mingakhi imikhama?

Umbhaki uletsu imikhama lengema-54 etinkhwa letinsundvu nalengema-68 yaletimhlopho.

- a. Mingakhi imikhama seyiyonkhe?

- b. Tfola ithothali kumugcanombolo. Khombisa **letinombolo nebukhulu** bekuzuba.

- Khombisa tinombolo nebudze bekuzuba.


Hlanganisa lolokulandzelako ngaphandle kwekusebentisa umugcanombolo. Sebentisa noma nguyiphi indlela loyitsandzako.

$38 + 24 =$

$58 + 17 =$

$75 + 16 =$

$83 + 29 =$





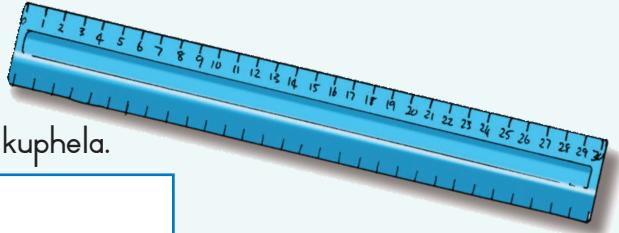
Lusuku:

# Susa kumugca - nombolo

## Umfundzi munye! Irula yinye!

Likilasi lidzinga emarula langema-53. Sinalangema-35 kuphela.

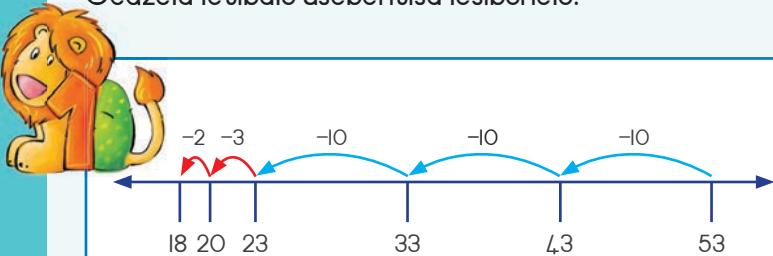
Mangakhi lamanye lesiwadzingako?  $53 - 35 =$



**Sebenta nemngani**

Fundza kutsi labafundzi labatsatfu labafanako bawusebentise njani umugcanombolo lapha.

Cedzela letibalo usebentisa lesibonelo.



Kumele ngisuse  
ema-35 kuma-53. Kususa  
kusho **kukhipha**.



Ngako-ke, ngitawucala kuma -53 bese ngiyakhapha. **Ngitawukhipha** li-10, 10, 10 – loku kungiletsa kuma -**23**. Nyalo ngitawukhipha sihlanu, kwekucala ngikhapha -3, bese ngifika kuma -**20**. Bese ngikhapha ku-2 futsi bese ngifika kuli -18. Ngako-ke sidzinga emarula lali -**18**.

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

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

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

$$= 23 - 3 - 2$$

$$= 20 - 2$$

$$= 18$$



a.  $68 - 24 = \boxed{\phantom{00}}$

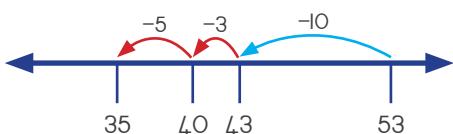
← →

b.  $74 - 38 = \boxed{\phantom{00}}$

← →

c.  $92 - 87 = \boxed{\phantom{00}}$

← →



Kususa kusho **kutfola**  
**umehluko** emkhatsini  
wema-53 nema-35.



Ngitawucala kuma-53 bese **ngibala ngehlela** kuma-35 **kutfola umehluko**. Uma ngibalela emuva ngeli-10, ngitfola ema-43. Ngibale ka-3 futsi kutfola ema-40. Emva kwaloko ngibale ngehle kasi-5 futsi kutfola ema-35. Li-10 naku-3 nesihlanu kwenta li-18. Ngako-ke sidzinga emarula lali-18 lamanye.

a.  $38 - 14 = \boxed{\phantom{00}}$

← →



Teacher:
Sign:
Date:



## Susa kumugca - nombolo (siyachubeka)

b.  $65 - 43 =$

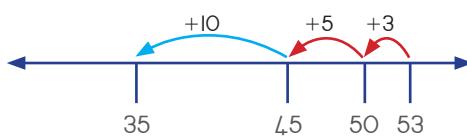
← →

c.  $72 - 39 =$

← →

d.  $85 - 48 =$

← →



Ngingacala kuma - 35 bese ngiyabuka kutsi ngingazuba kangakhi **kufika** kuma - 53. Lishumi nesihlanu nakutsatfu kwenta li - 18. Sidzinga emarula lali - 18 lamanye.



Ngingacala kuma - 35 bese ngiyabuka kutsi ngingazuba kangakhi **kufika** kuma - 53. Lishumi nesihlanu nakutsatfu kwenta li - 18. Sidzinga emarula lali - 18 lamanye.

a.  $84 - 32 =$

← →



b.  $96 - 53 =$

← →

c.  $78 - 19 =$

← →

d.  $63 - 47 =$

← →



### Kuhamba ngetekisi

Luhambo ngetekisi kuya edolobheni ngema - 65 km.

Kwanyalo letekisi seyihambe ema - 38 km.

Kusamele kuhanjwe libanga lelingakanani?

Sebentisa umugcanombolo kucatulula lenkinga.



← →

km





## Sikhatsi selidzili

Ithemu |



### Luhlelo Iwekucala

Busi ucele bonkhe bangani bakhe kutsi bamnikete titfombe tekudla kwelidzili labakutsandzako. Naku lakukolekile. Sita ucatulule.



Bala, futsi ubhale kwekutsi bangakhi bangani labakhetsé lolo nalolo hlobo iwekudla.

Luhlobo Iwekudla				
Inombolo				



Cedzela igrafusitfombe. Sebentisa lithebula lakho kukusita.

Dvweba buso bune (☺) kumntfwana ngamunye lokhetsa loko kudla noma sinatfo.



23

Lusuku:

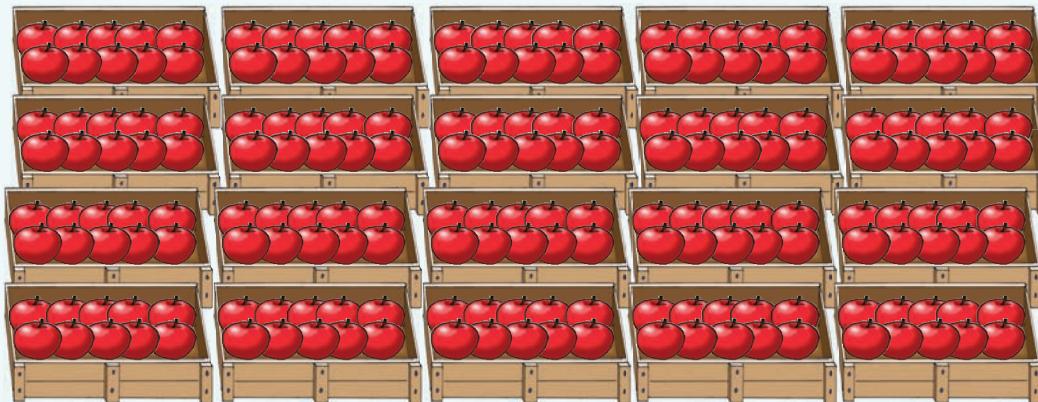


Ithemu |

## Kubala urike ku 200



Bala emahhabhula?



Faka letinombolo

Libhokisi li-lina  wemahhabhula

Luhele lu-luna  wemabhokisi

Luhele lu-luna  wemahhabhula

Emahele lama-ana  wemahhabhula



Mangakhi ke emahhabhula lesingawafaka kulamabhokisi?

a.




b.



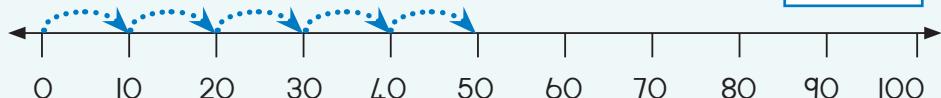

c.



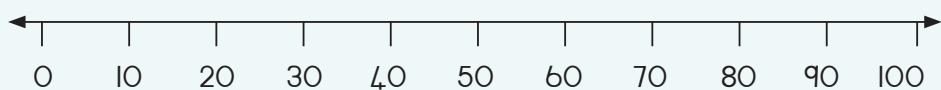


Bala kulomugcanombolo.

a. Ataba mangakhi emahhabhula emabhokisini lasihlanu?



b. Ataba mangakhi emahhabhula emabhokisini lasikhombisa?





Ticheme leti-3  
tema-10 takha

**3 0**

$3 \times 10 =$

**3 0**

noma  $10 \times 3 =$

**3 0**

Ticheme letisi-5  
tema-10 takha

\_\_\_\_  $\times$  \_\_\_\_ = \_\_\_\_\_

noma

\_\_\_\_  $\times$  \_\_\_\_ = \_\_\_\_\_

Ticheme leti-2  
tema-10 takha

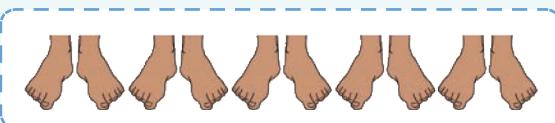
\_\_\_\_  $\times$  \_\_\_\_ = \_\_\_\_\_

noma

\_\_\_\_  $\times$  \_\_\_\_ = \_\_\_\_\_

5 Emapheya etinyawo.

Tingakhi tintwane setitonkhe?



$10 + 10 + 10 + 10 + 10 =$

**5 0**

$5 \times 10 =$

noma  $10 \times 5 =$

Yenta loku ngendlela lefanako.

4 Emapheya etinyawo. Tingakhi tintwane?

\_\_\_\_ = \_\_\_\_\_  $\times$  \_\_\_\_ = \_\_\_\_\_ noma \_\_\_\_  $\times$  \_\_\_\_ = \_\_\_\_\_

9 Emapheya etinyawo. Tingakhi tintwane?

\_\_\_\_ = \_\_\_\_\_  $\times$  \_\_\_\_ = \_\_\_\_\_ noma \_\_\_\_  $\times$  \_\_\_\_ = \_\_\_\_\_



Bala ngema-10

10, 20, 30, 40, 50, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 200



24



Lusuku:

Ithemu |



Tingakhi tinhlanti? Yenta silinganiso.

.....

## Kutilolonga ngeti-5



Nyalo-ke bala letinhlanti. Tingakhi setitonkhe?



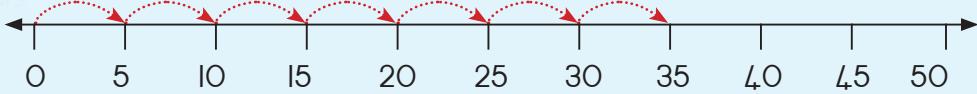
### Bala ngeti -5

Tfola sibalo lesiphelele semacandza etinhlanti. Bhala umushonombolo wa + na ×.  
Sikwentele wekucala.

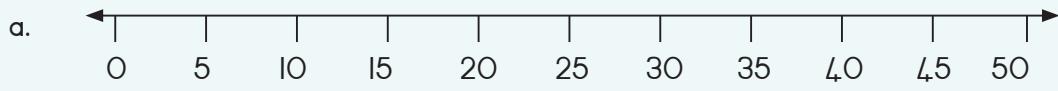
Inhlanti nemacandza	Mangakhi emacandza sekaphelele?	
Tinhlanti letisi-5, iyinye italela emacandza la-2	$2 + 2 + 2 + 2 + 2 = 10$	$5 \times 2 = 10$
Tinhlanti letisi-5, iyinye italela emacandza la-10		
Tinhlanti letisi-5, iyinye italela emacandza la-4		
Tinhlanti letisi-5, iyinye italela emacandza la-3		
Tinhlanti letisi-5, iyinye italela emacandza la-6		
Tinhlanti letisi-5, iyinye italela emacandza la-8		
Tinhlanti letisi-5, iyinye italela emacandza la-5		



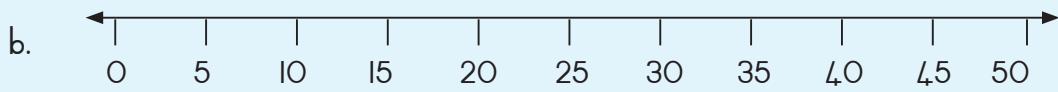
Cedzela letinombolomisho nemigcanombolo.



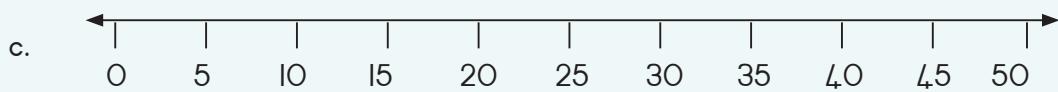
$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35} \quad \text{noma} \quad \boxed{7} \times \boxed{5} = \boxed{35}$$



$$5 + 5 + 5 + 5 = \boxed{\phantom{00}} \quad \text{noma} \quad \boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$



$$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{\phantom{00}} \quad \text{noma} \quad \boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$



$$\underline{\phantom{00}} + \underline{\phantom{00}} = \boxed{\phantom{00}} \quad \text{noma} \quad 10 \times 5 = 50$$



Bamba inhlanti

Sipho ubamba emkhatsini wema -40 nema -50 etinhlanti. Utibala ngati -2 kantsi

usele nayi -1. Utibala ngeti -5 kantsi usele nati -2.

Ubamba tingakhi tinhlanti Sipho?



Teacher:

Sign:

Date:

25a



Lusuku:

Ithemu |



Kubala emasokisi

## Bala ngaku-2



a. Mangakhi emapheya emasokisi? \_\_\_\_\_

b. Mangakhi emasokisi lakhona? \_\_\_\_\_

c. Mangakhi emasokisi lasele? \_\_\_\_\_



## Kubala emapheya emasokisi

Bhala kutsi mangakhi emapheya emasokisi lakhona futsi usho uma kukhona lasele.

Emasokisi	Linani lemapheya	Linani lemasokisi	Emasokisi langalinye lasilele ngetulu



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

# 25b

Lusuku:



## Bala ngaku-2 (siyachubeka)



Kwakha emapheya.

Bhala phasi tinombolo - malinganisa kanye netinombolo - mashiyana kusukela ku I - 60.

- a. Bhala phansi tinombolo - malinganisa kusuka ku I - 60.

2, 4, 6,

---

---

- b. Bhala phansi tinombolo - mashiyana kusuka ku I - 60.

3, 5, 7,

---

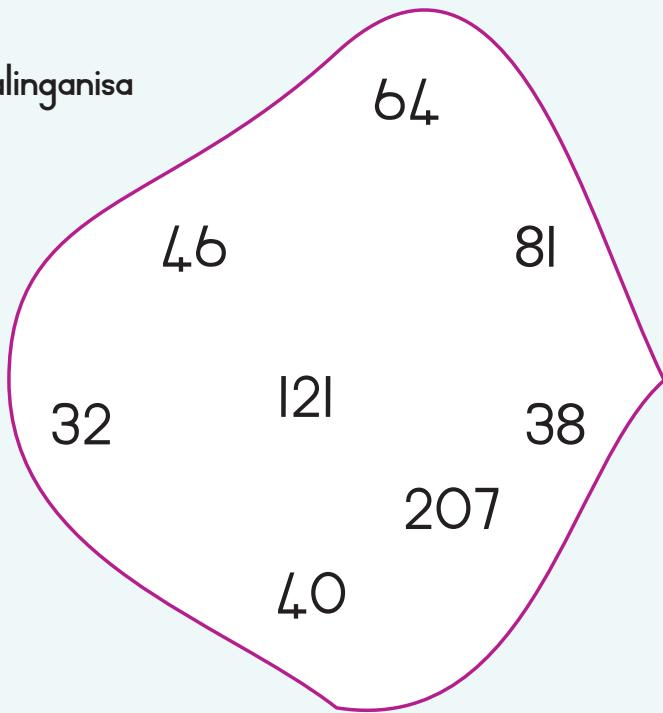
---



Bomashiyana nabomalinganisa

Dvweba indilinga ugegelete  
tinombolo - malinganisa.

Dvweba sikwele ugegelete  
tinombolo - mashiyana.





Kusuka kumapheya kuya kumasokisi.

Sibonelo:

$$2 \text{ emasokisi} = 1 \text{ lipheya}$$



$$2 \times 1 = 2$$

$$20 \text{ emasokisi} = 10 \text{ emaphaya}$$

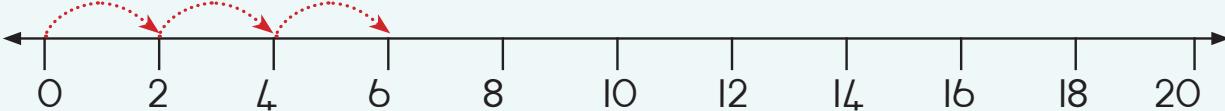
$$2 \times 10 = 20$$

a. Bhala kutsi mangakhi emasokisi.

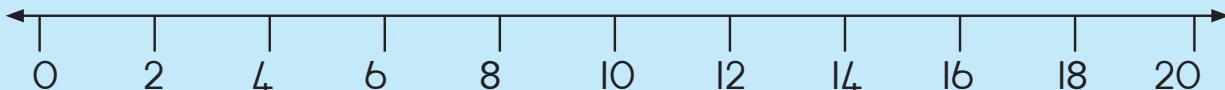
Cabanga ngaku - 2	Umusho - nombolo
1 lipheya  = 2 emasokisi	<input type="text"/> 2 $\times$ <input type="text"/> 1 = <input type="text"/> 2
2 emaphaya  = <input type="text"/> emasokisi	<input type="text"/> 2 $\times$ <input type="text"/> 2 = <input type="text"/>
4 emaphaya  = <input type="text"/> emasokisi	
8 emaphaya  = <input type="text"/> emasokisi	
9 emaphaya  = <input type="text"/> emasokisi	

b. Khombisa lesibalo kulomugcanombolo bese uyacedzela.

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



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



Teacher:  
Sign:  
Date:

## Imali endvulo nanyalo



### Indzaba yemali yetfu

ENingizimu Afrika sisebentisa emarandi nemasenti njengemali yetfu.

Sicale kusebentisa emarandi nemasenti nga-1961.

Ngaletu tikhatsi indibilishi yelisenti li-1 ngiyo lebeyiyincane kakhulu, kulandzela emasenti lama-2 bese kulandzela emasenti lasi-5.





## Bala lamasenti

Bala lamasenti.

Unemasenti lamangakhi?

Mangakhi ladzingakalako kwenta  
R1,00?

Wadvwebe lapha kulebhuloki.



## Mangakhi emasenti?

R1,00 = <input type="text"/> c	R2,00 = <input type="text"/> c
R3,00 = <input type="text"/> c	R1,50 = <input type="text"/> c



## Sibita malini sitselo?

2 babita R4,00.

Bangakhi bobhanana ku-R20,00?

2 abita R2,00.

Mangakhi emahhabhula e-R9,00?



27



Lusuku:

Ithemu |

## Bala ngaku-3



Tincola ngaku-3



Libhayisikili lelingusondvontsatfu li-l linemasondvo lama \_\_\_\_\_.

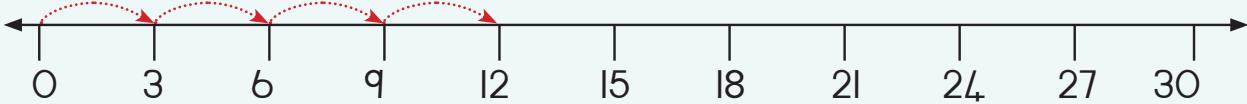


5  sabosondvontsatfu banemasondvo la _____	$3 + 3 + 3 + 3 + 3 = 5 \times 3 =$ _____
2  bosondvontsatfu banemasondvo la _____	$3 + 3 = 2 \times 3 =$ _____
4  bosondvontsatfu banemasondvo la _____	
6  sabosondvontsatfu banemasondvo la _____	
9  yabosondvontsatfu banemasondvo la _____	
8  sabosondvontsatfu banemasondvo la _____	



Imigcanombolo

Landzela sibonelo.



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



b.

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

c.

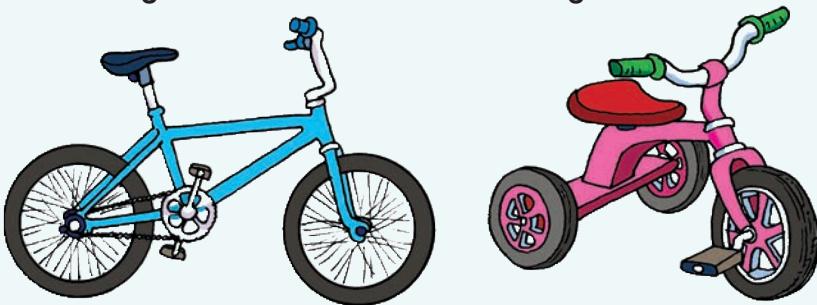
$$\boxed{\quad} = \boxed{\quad} = 6 \times 3 = \boxed{\quad}$$

d.

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



Emabhayisikili asondvombili nemabhayisikili abosondvontsatfu



Esitolo semabhayisikili Busi ubala emasonvo emabhayisikili abosondvombili newabosondvontsatfu.

Kunemasonvo lali-14 sekaphellele.

Mangakhi emabhayisikili abosondvombili lalapho? \_\_\_\_\_

Mangakhi emabhayisikili abosondvontsatfu lalapho? \_\_\_\_\_



Teacher:	
Sign:	
Date:	

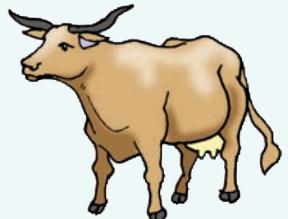


# Yini lehamba ngaku-4?



# Tinyawo letine

$$4 + 4 = 8; 2 \times 4 = 8$$



## Tinyawo tenkhomo tita nga - 4.

Yini lenye lena kune? \_



# Bala letinyawo

Yabelanani ngetimphevdvulo.  
Chaza kutsi yini loyentile.

## Sebentisa emaphuzu lowatiko ngakune.

Inkhomo yi-1		<input type="text" value="4"/>	tinyawo	Tinkhomo leti-2		<input type="text" value="8"/>	tinyawo
Tinkhomo leti-3		<input type="text"/>	tinyawo	Tinkhomo leti-4		<input type="text"/>	tinyawo
Tinkhomo leti-5		<input type="text"/>	tinyawo	Tinkhomo leti-6		<input type="text"/>	tinyawo
Tinkhomo leti-7		<input type="text"/>	tinyawo	Tinkhomo leti-8		<input type="text"/>	tinyawo
Tinkhomo leti-9		<input type="text"/>	tinyawo	Tinkhomo leti-10		<input type="text"/>	tinyawo



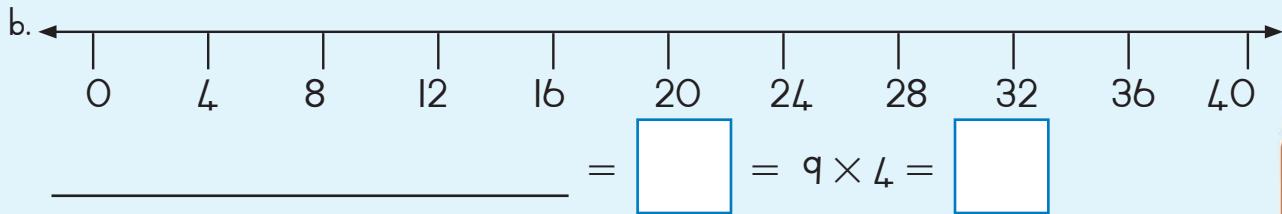
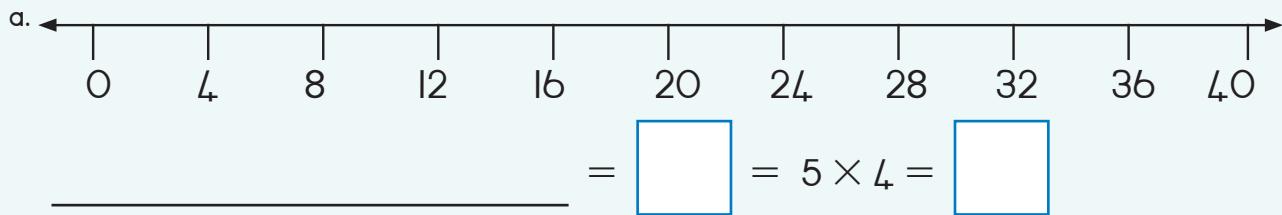
Cedzela lelithebula. Sebentisa lesibonelo kukusita.

Tinkhomo leti-3 _____ tinyawo	$4 + 4 + 4 = 3 \times 4 =$ <u>12</u>
Tinkhomo leti-5 _____ tinyawo	
Tinkhomo leti-4 _____ tinyawo	
Tinkhomo leti-7 _____ tinyawo	
Tinkhomo leti-8 _____ tinyawo	



### Imigcanombolo

Cedzela lolokulandzelako bese ukukhombisa kumugcanombolo.





# Emaphethini ngetinombolo



# Emaphethini egridi

Nguyiphi inombolo yemaphethini lekhonjiswa tindilinga kugridi yeli-100?

Dvweba tindilinga letinye kucedzela iphethini ngayinye.

Bhala ligama lephethini ngayinye.

a. Iphethini: \_\_\_\_\_

b. Iphethini: \_\_\_\_\_

c. Iphethini: \_\_\_\_\_

d. Iphethini: \_\_\_\_\_

A 10x10 grid with 10 black circles placed at (1,1), (1,3), (1,5), (1,7), (1,9), (3,1), (3,3), (3,5), (3,7), and (3,9).

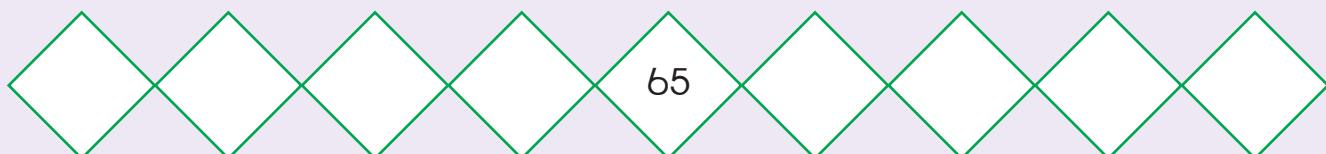


## Yenta emaphethini akho

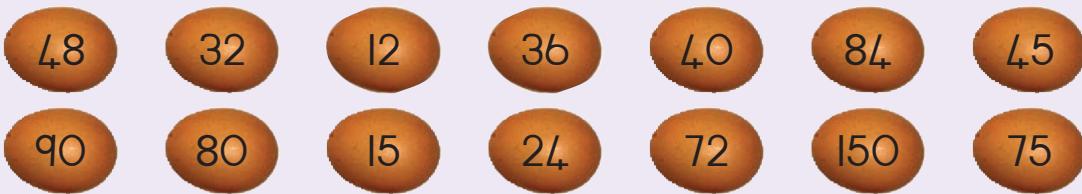
a. Kulephethini yetinombolo tonkhe letinombolo ticondzile. Kungaba ngutiphi leti letinye tinombolo? Tibhale.



b. Kulephethini yetinombolo tonkhe letinombolo tilugweje. Kungaba ngutiphi leti letinye tinombolo? Tibhale.



## Tiwela kuphi?



Emaphethini  
aku-3 naku-4

sib. 48

Emaphethini  
aku-3 nesi-5

Emaphethini  
aku-4 nesi-5



## Elwandle

Thembu ugcogca emagobongo aselwandle  
langema-60 nema-70. Uwabala ngaku-3,  
usala nali-1. Tinombolo letingahle tibe khona nguleti: 61, \_\_\_,  
\_\_\_\_, 70. Uma awabala ngeti-5, uba nemsalela waku-4.

Tinombolo letingahle tibe khona nguleti: \_\_\_, \_\_\_.

Unemagobongo lamangakhi Thembu manje?



Teacher:  
Sign:  
Date:

# 30a



Lusuku:

Ithemu |



Yaba lamaswidi:

## Kwaba



- a. Yaba 30 wemaswidi emkhatsini wa-2 bantfwana.



Loku singakubhala kanje

$$30 \div 2 = 15$$

- b. Yaba lamaswidi emkhatsini wa-3 bantfwana.



$$\div =$$

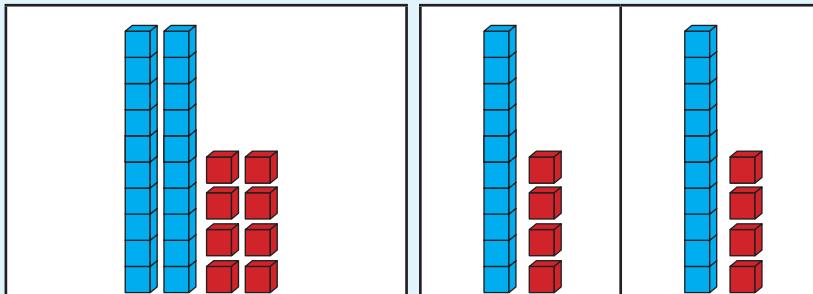
- c. Yehlukanisa emaswidi emkhatsini we-5 sebantfwana.



$$\div =$$



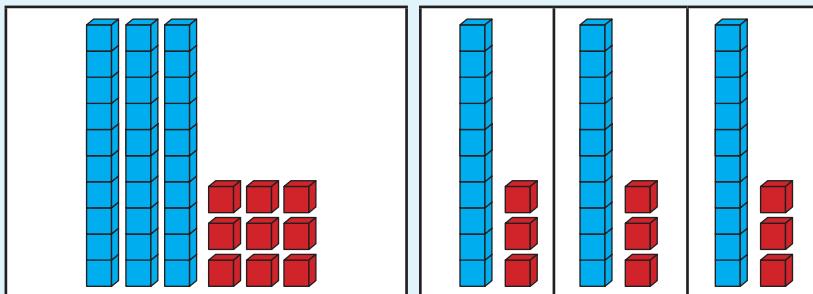
Singasebentisa emabhuloki etinombolo kwenta sibalo sekwehlukanisa.



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

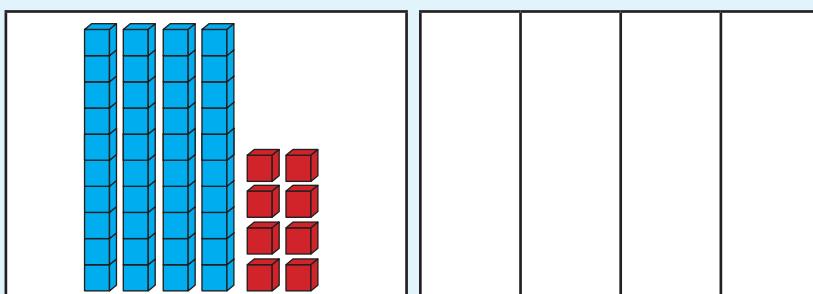
Nyalo yenta loku.

a.



$$\boxed{\phantom{0}} \ \boxed{\phantom{0}} \quad \div \quad \boxed{3} \quad = \quad \boxed{\phantom{0}} \ \boxed{\phantom{0}}$$

b.



$$\boxed{\phantom{0}} \ \boxed{\phantom{0}} \quad \div \quad \boxed{4} \quad = \quad \boxed{\phantom{0}} \ \boxed{\phantom{0}}$$



Teacher:  
Sign:  
Date:

# 30b

Lusuku:



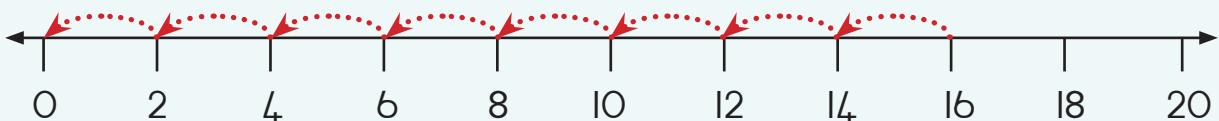
Ithemu |

## Kwaba (siyachubeka)



Sebentisa imigcanombolo kubhala umusho-nombolo wekususa nekuhlukanisa.

Sibonelo:



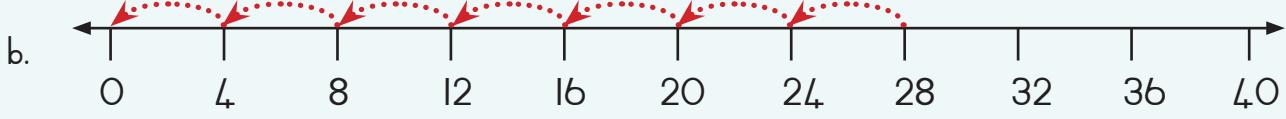
$$16 - 2 - 2 - 2 - 2 - 2 - 2 - 2 = 0$$

$$16 \div 2 = 8$$



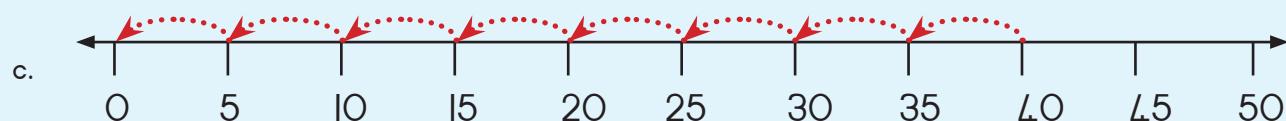
$$21 - \underline{\quad} = \underline{\quad}$$

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



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

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



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

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



Dvweba umugca-nombolo bese uyawusombulula.

a.  $30 \div 5 =$

← →

b.  $22 \div 2 =$

← →

c.  $27 \div 3 =$

← →

d.  $32 \div 4 =$

← →

e.  $25 \div 5 =$

← →



### Insayeya

Khombisa tonkhe tindlela longahlukanisa ngato 24 wemaswidi ngekulingga emkhatsini wemacembu lehlukene ebantfwana. Bhala umusho-nombolo kukhombisa imphendvulo yakho.



31

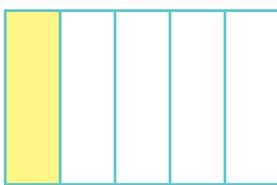
Lusuku:

Ithemu I



## Emafrakishini

Dvweba imigca kucondzanisa bunjwa nefrakhishini.



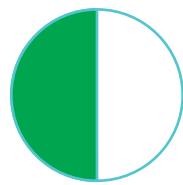
Incenye-ntsatsatfu yinye

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



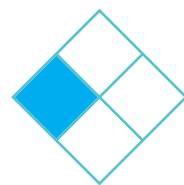
Incenye-sihlanu yinye

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



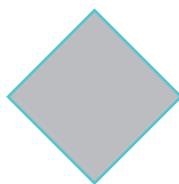
Ikota yinye

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



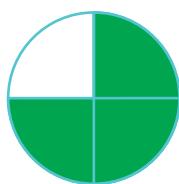
Ihhafu yinye

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



Emakota lamatsatfu

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



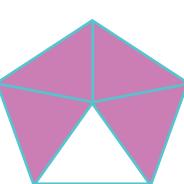
Incenye-kune kusihlanu

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



Kunye lokugcwele

$$1$$



Incenye-mibili kukutsatfu

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

Hlukanisa bese ufaka umbala.

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



Ihhafu yinye

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



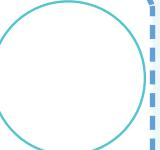
Incenye-ntsatsatfu yinye

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



Ikota yinye

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



Incenye-sihlanu yinye

Khombisa lefrakshini ngekudvweba umugca ugegelete inombolo lengiyo yemaswidi.

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



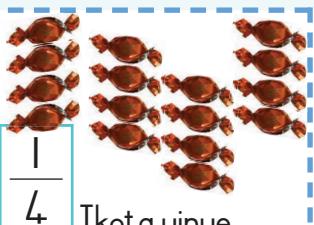
Ihhafu yinye

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



Incenye-ntsatsatfu yinye

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



Ikota yinye

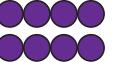
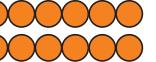
$$\frac{1}{5}$$



Incenye-sihlanu yinye



Yabela bantfwana lababili tinsita kubala.

 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>				
<ul style="list-style-type: none"> <li>Amunye wetfu utfole tinsita kubala letimbili.</li> <li>Ihhafu yetibali leti-4.</li> </ul>	<ul style="list-style-type: none"> <li>Amunye wetfu utfole tinsita kubala ____.</li> <li>• ___ wa ___ ngu ___.</li> </ul>	<ul style="list-style-type: none"> <li>Amunye wetfu utfole tinsita kubala ____.</li> <li>• ___ wa ___ ngu ___.</li> </ul>	<ul style="list-style-type: none"> <li>Amunye wetfu utfole tinsita kubala ____.</li> <li>• ___ wa ___ ngu ___.</li> </ul>																
$4 \div 2 = 2$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$																



Yaba lamaswidi emkhatsini webantfwana.

 <table border="1"> <tr> <td></td><td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td><td></td></tr> </table>									 <table border="1"> <tr> <td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td></tr> </table>						

- ikota emaswidi = 3
- emakota lamabili emaswidi = \_\_\_\_
- emakota lamatsatfu emaswidi = \_\_\_\_
- emakota lamane emaswidi = \_\_\_\_

- incenye-ntsatfu emaswidi = \_\_\_\_
- tincenye-ntsatfu timbili emaswidi = \_\_\_\_
- tincenye-ntatfu letintsatfu emaswidi = \_\_\_\_



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



## Sesikhatsi



Kwati sikhatsi

Singabhalala sikhatsi lesifanako ngetindlela letehlukene.

2:15 yikota kwendlule insimbi yesibili	5:30 yihhafu kushaye insimbi yesihlanu	9:45 yikota kuya kunsimbi yelishumi

Bhala loku ngetindlela letimbili letehlukene.

_____	_____	_____

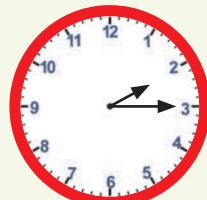
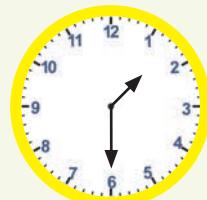


## Kuya ekhaya

Ngabe Ben utsatsa sikhatsi lesingakanani kufika ekhaya?

imizuzu

ema-awa



## Sikhatsi siyabaleka

Sikhatsi ngaku-2 ...



Mingakhi ...

imizuzu kuma-awa lama-2?

ema-awa emalangeneni lama-2?

emalanga emavikini lama-2?

tinyanga eminyakeni lemi-2?



## Mangakhi emalanga?

Mabasa 27 Lilanga Lenkhululeko.

Mabasa							
U	L	L	L	L	U	L	
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						

Inkhwekhweti							
U	L	L	L	L	U	L	
1	2	3	4	5	6	7	
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			

Inhlaba							
U	L	L	L	L	U	L	
1	2	3	4	5	6	7	
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	

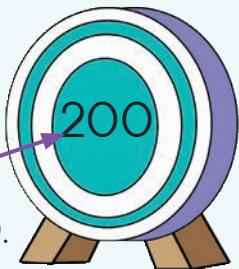




# Hlosa kufika kuma -200



## Bala letinombolo



Bala uphindze usho tonkhe letinombolo kusuka ku-101 uye kuma-200.  
Khomba njengobe uhamba.



## Bhalal etinombolo

- a. Bhala inombolo lengekho kusikwele lesilingangane ngasinye.
  - b. Bhala tonkhe letinombolo letisele.
  - c. Bhala tinombolo letili-10 ngemuva kwema-200.

200; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



### Bhala tinombolo letisele

a. 200

180

b. 87

107

110

50

0

167

207

237



### Cedzela

$$200 + 30 + 5 = 235$$

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

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

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

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

Bhala tinombolo  
ngekulandzelana kusukela  
kulencane kakhulu kuye  
kulenkulu kakhulu.



### Bala uchubeke kusuka kuli-100

Bala loko lodzinga kukwenta kute utfole inombolo lelandzelako.

Kucala



Kuphela



Teacher:	Sign:
Date:	



# Kusebenta ngemacembu etinombolo

# Kupakisha emakhandela

Make Nkhosi usebenta enkapanini yemakhandlela.

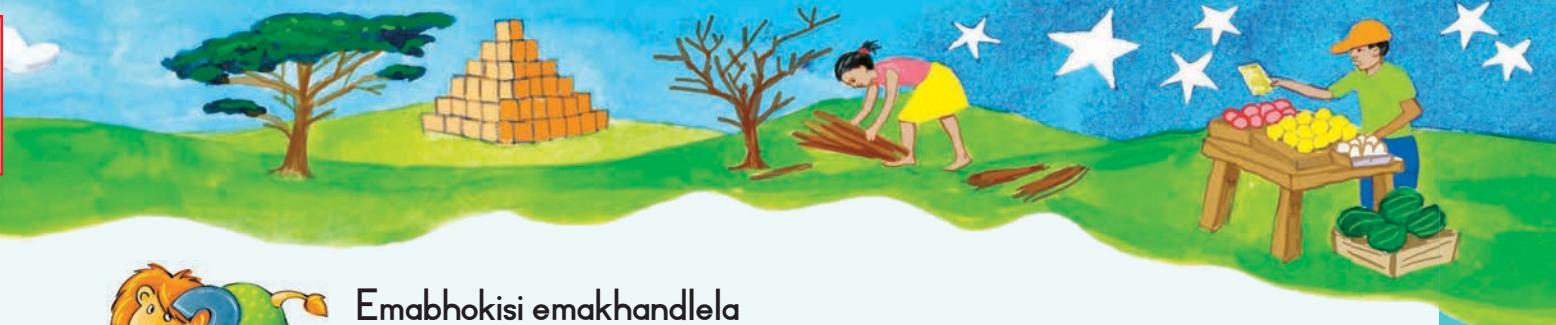
Uma emakhandlela sekalungile, uwapakisha ngalendlela emabhokisini emashelufini.



Mangakhi emakhandlela ebhokisini ngalinye? \_\_\_\_\_

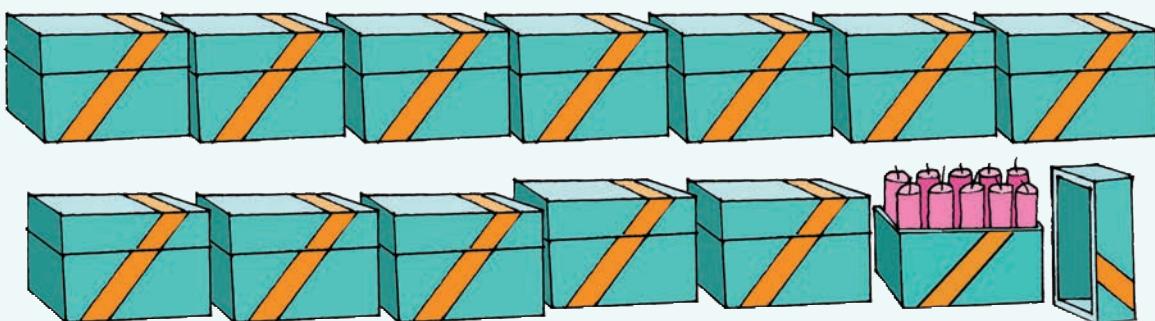
Mangakhi emabhokisi eshelufini ngalinye? \_\_\_\_\_

Mangakhi emakhandlela eshelufini ngalinye? \_\_\_\_\_



## Emabhokisi emakhandlela

Make Nkhosi uvala emabhokisi.



- a. Bala onkhe emabhokisi.

Mangakhi? \_\_\_\_\_

Mangakhi emakhandlela sekawonkhe? \_\_\_\_\_

Mangakhi lamanye emabhokisi ladzingakalako kwenta emakhandlela langema-200?

- b. Mangakhi emakhandlela ku:

2 emabhokisi? _____	4 emabhokisi? _____
5 emabhokisi? _____	3 emabhokisi? _____
6 emabhokisi? _____	7 emabhokisi? _____

- c. Mangakhi emabhokisi lawadzingela loku:

40  _____ emabhokisi	70  _____ emabhokisi
50  _____ emabhokisi	30  _____ emabhokisi



35a



Lusuku:

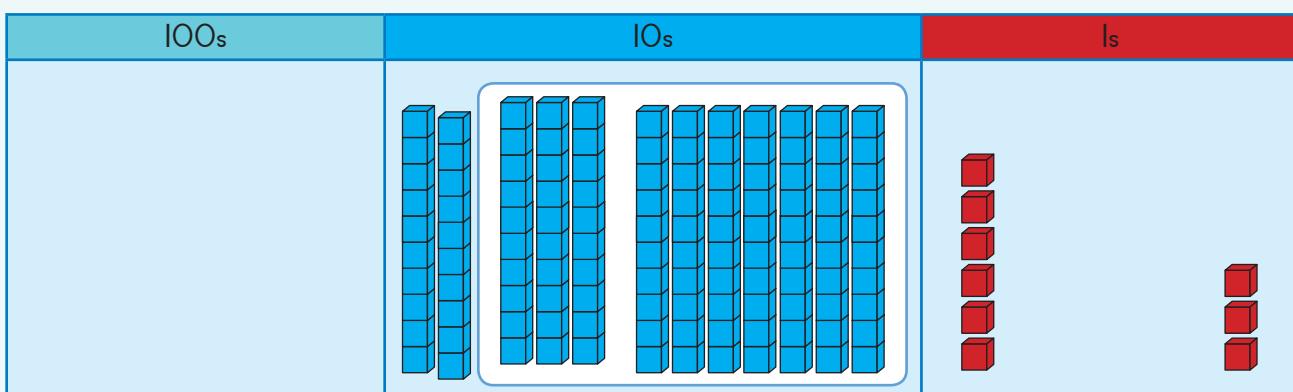
Ithemu 2

## Kubeka emashumi ndzawonye neku siwehlukanisa

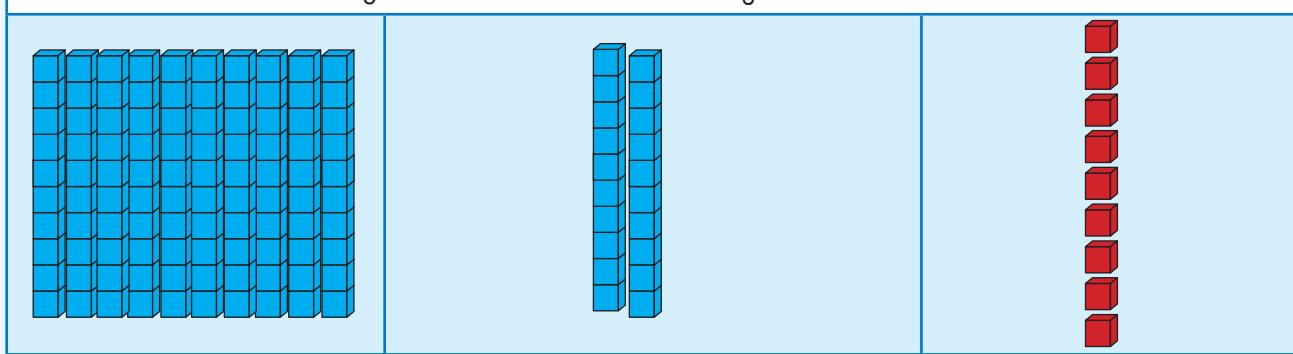


Kubeka emashumi ndzawonye uma sihlanganisa

Asihlanganiseni $56 + 73 =$		+	
Emashumi lasi -5 nemayunithi lasi -6		Emashumi lasi -7 nemayunithi lama -3	

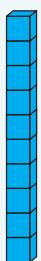


Singabeka emashumi lali-10 ndzawonye kwenta likhulu li-l.





Asetame.



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

Sibonelo:  $82 + 34$



$$100 + 20 + 6 = 126$$

a.  $65 + 52$


b.  $76 + 63$


c.  $86 + 65$




# 35b



Lusuku:

Ithemu 2



## Kubeka emashumi ndzawonye neku siwehlukanisa (siyachubeka)

Beka emacembu ndzawonye

Sebentisa emabkuloki endzawo yenombolo akho.

Sebentisa emabkuloki endzawo yelishumi kwenta letinombolo letimbili.	Sekukonkhe mangakhi emashumi? Mangakhi emayunithi?	Ngabe ubeke ndzawonye emashumi nobe emayunithi? Buka bungako bendzawo lapho uphindze wabeka ndzawonye khona.	Bhala lenombolo.
$23 + 99 =$	_____ emashumi _____ emayunithi	$11 \text{ emashumi} + 12 \text{ emayunithi}$ $= 110 + 12$	122
$38 + 25 =$	_____ emashumi _____ emayunithi		
$77 + 31 =$	_____ emashumi _____ emayunithi		
$68 + 45 =$	_____ emashumi _____ emayunithi		
$83 + 47 =$	_____ emashumi _____ emayunithi		



## Kwehlukanisa emashumi uma sisusa

Uma sisusa, ngaeltinye tikhatsi sidzinga kukhombisa lishumi linye njengemayunithi lalishumi, likhulu linye njengemashumi lali-10.

Asinciphise:  $60 - 55 =$

Sicala ngeticheme letisitfupha temashumi. Sifuna kunciphisa ticheme letisihlanu temashumi naletisihlanu temayunithi. (Leto lesititsetse sitibeke umbala lomphunga)

Singakhombisa ticheme letisitfupha temashumi kanje.	Noma sihlanu semashumi nelishumi lemayunithi.	Susa ticheme letisihlanu temashumi nesihlanu semayunithi. Kusele emayunithi lasihlanu.	
		$60 - 55 = 5$	



Asetame.

a.  $70 - 28$

7 emashumi	6 emashumi na - 10 emayunithi	$70 - 28 =$	

b.  $90 - 46$


c.  $80 - 53$




Kutfola lipheya lenombolo

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	

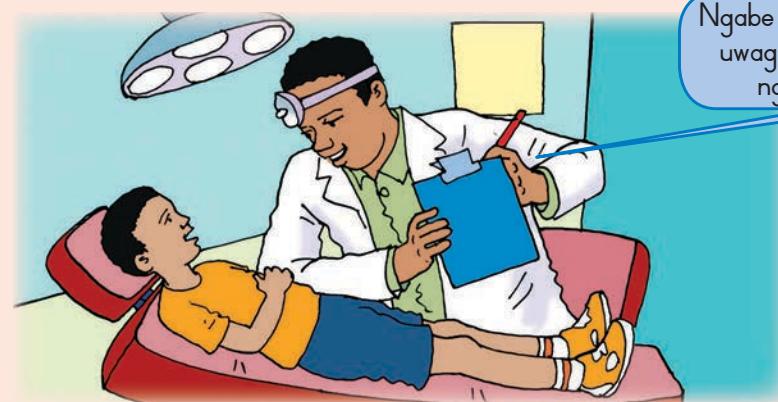


Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



## Kuvakashela dokotela wematinyo

Licembu lebantfwana livakashela dokotela wematinyo.



Loku nguloku bantfwana labamtjela kona.



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

- a. Bala imiklwibhito (✓) lekhombisa emahlandla bantfwana labacubha ngawo ematinyo abo. Bhala letinombolo.

Kanye ngelilanga	
Kibili ngelilanga	
Katsatfu ngelilanga	

- b. Yini longayisho?

Bantfwana labanyenti bacubha ka \_\_\_\_\_ ngelilanga.

Kunebantfwana laba \_\_\_\_\_ ecenjini.



Dvweba igrafusitfombe lekhomba kutsi bantfwana bacubha kangakhi ngelilanga.

 = sikhatsi si- I



Yenta luhlwayo ekilasini lakho. Buta 15–20 webafundzi.

- Bawacubha kangakhi ematinyo abo ngelilanga? \_\_\_\_\_
- Dvweba igrafusitfombe lenjengalena lengetulu kukhombisa imiphumela yeluhlwayo lwakho.



37a

Ithemu 2



Lusuku:

## Yengeta uphindze uhlanganise



Bhala sibalo sakho

Busi angahlanganisa emayunithi nemashumi futsi aphindze awabeké ndzawonye. Angahlanganisa aphindze asuse ephepheni, ngaphandle kwemabhuloki. Ngalesinye sikhatsi utsandza kucala ngemakhadi etinombolo akhe kukhombisa tinombolo.

Ngako-ke ngesibalo  $56 + 73$ , utfola lamakhadi:

$$\begin{array}{r} 5 \ 0 \ 6 \\ + \ 7 \ 0 \ 3 \\ \hline \end{array}$$

Uhlanganisa lamayunithi emva kwaloko ubeka phasi likhadi le - 9

Uyati:  $50 + 70 = 120$ .

Utsatsa leli - 100, lama - 20 kanye nelikhadi le - 9

kwenta inombolo yemadjithi lama - 3



Ubhala ngalendlela:

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

$$\begin{array}{r} 1 \ 0 \ 0 \\ + \ 2 \ 0 \\ \hline \end{array} \quad 9$$

Dumi uyati kutsi emabhuloki asebenta njani.

Ubala  $56 + 73$  kanje:

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



Aakar yena utsandza kusongela enombolweni lesedvute. Nansi indlela lakenta ngayo lesibalo:

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





Ase utetamele nawe. Yenta sibalo ngasinye ngetindlela letimbili.

a.  $86 + 62$

Indlela ya Busi

$$80 + 60 + 6 + 2$$



Indlela ya-Dumi

$$80 + 6 + 60 + 2$$



b.  $95 + 73$

c.  $81 + 57$

d.  $69 + 71$

Sebentisa indlela ya-Aakar kwenta loku.



# 37b

Lusuku:

Ithemu 2



## Yengeta uphindze uhlanganise (siyachubeka)

Nyalo - ke ase sisuse.

a.  $87 - 53$

Indlela ya Busi

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



Indlela ya-Dumi

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



b.  $95 - 73$

c.  $86 - 62$

d.  $85 - 69$



## Sombulula!

Tinengi tindlela tekuhlanganisa emayunithi neticheme talokulishumi. Khetsa loyatiko naloyitsandza kakhulu kusombulula letibalo.

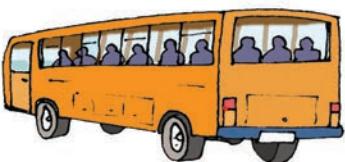
- a. Peter ucala ngekukha emampentjisi langema-34 bese ukha langema-67.  
Mangakhi emampentjisi asawonkhe?



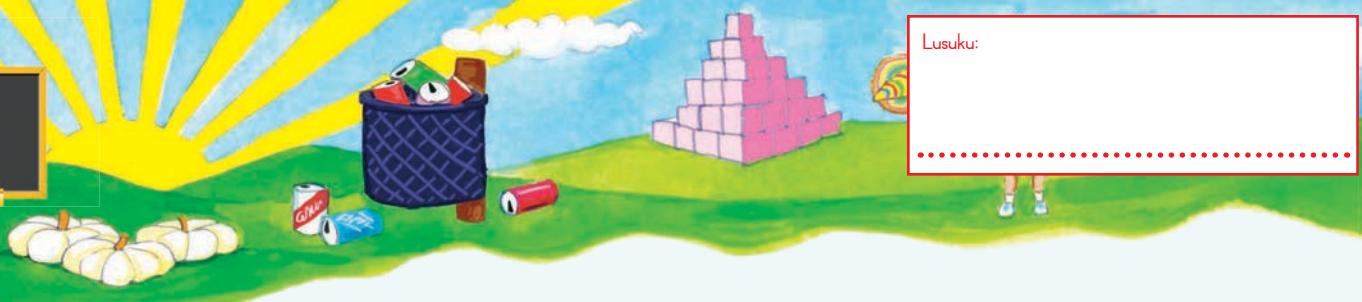
- b. Bantswana baka Malusi bonga R47 kanyekanye.  
Make wabo ubangetela R58. Sebanamalini manje?



- c. Ibhasi yesikolo ihamba 88 km ekuseni na 73 km entsambama.  
Mangakhi emakhilomitha asawonkhe?



Teacher:
Sign:
Date:



Lusuku:

## Catulula!



Tivalo temabhodlela

Sebentisa nobe nguyiphi indlela loyitsandzako.  
Khombisa umsebenti wakho.



Sipho



Andile

Sipho ubala tivalo temabhodlela letima-87. Andile ubala letima-38.

Tingakhi timbonyo temabhodlela letibalwa ngu Sipho kuna letibalwa ngu Andile?



## Ikhonsathi yasesikolweni

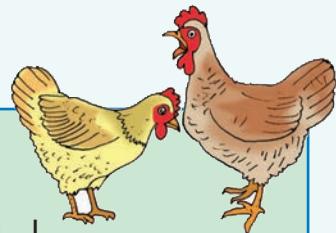


Musa



Musa utsengisa emathikithi. Bekanemathikithi langema-92 ekucala ngawo.

Usele nalangema-67. Mangakhi emathikithi lase awatsengisile?



Sichubeka nekuticecesha.

Kunemantjwele langema-69 ehhokweni linye bese  
kuba nema-95 kulelinye. Tingakhi tinkhukhu letilapho  
setitonkhe? Fundza kutsi Gugu yaAakar basisombulule njani lesibalo.

Indlela yaGugu

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



Indlela ya Aakar

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

Uyati yini kutsi  
ususelani?



- a. Bafana batfola R96 yeluhambo lwelikilasi. Emantfombatana atfola R79.  
Ngumalini labayitfolako seyiyonkhe?

Sebentisa indlela yaGugu

Sebentisa indlela yaAakar

- b. Sikolo sinye sikoleka tikotela letinge-76 kg. Lesinye sikolo sikoleka tikotela  
letinge-68 kg. Mangakhi ema-kg etikotela lakolekwe nguletikolo letimbili  
setitonkhe?

Sebentisa indlela yaGugu

Sebentisa indlela yaAakar



Teacher:
Sign:
Date:

39



Lusuku:

Ithemu 2

## Bala uphindze ucatulule



Tfola incenye

Bhala tinombolo letingekho.

a.

100	
	27

b.

100	
39	

c.

100	
43	

d.

100	
56	

e.

200	
140	

f.

200	
	110

g.

200	
135	

h.

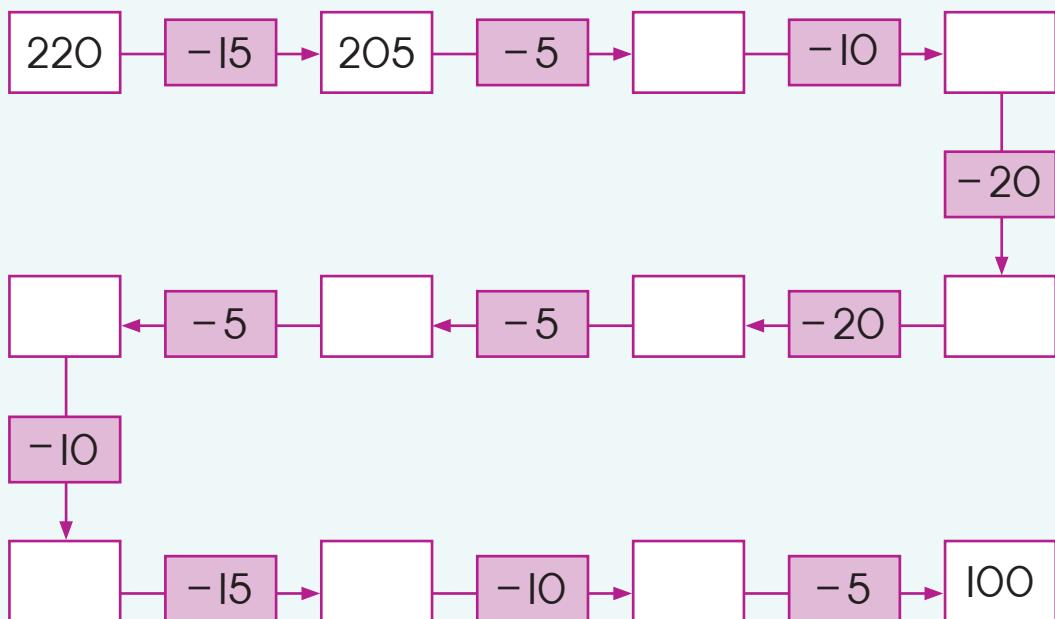
200	
	120



Bala ubuyele emuva kusuka  
kuma-220 kuye kuli-100

Susa letinombolo emabkhokisini labovana sikhatsi ngesikhatsi.

Sesikwentele yekucala.



Nayi indlela  
yekuhlola  
timphendvulo  
takho. Cala  
ku-100.  
Sebenta  
ubuyele emuva  
kuma-220.  
Kodwya nyalo,  
yengeta  
letinombolo.

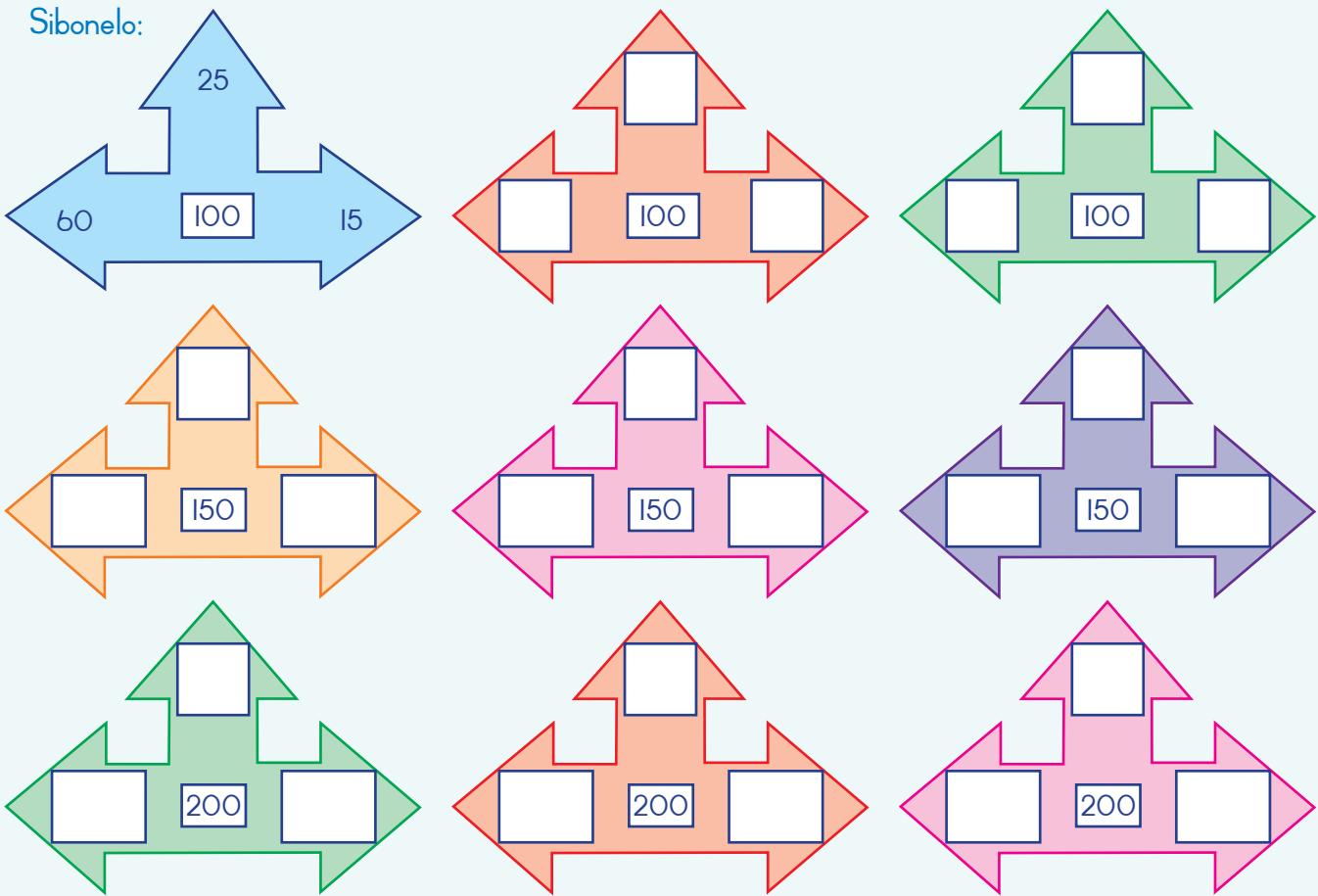


## Iminden iyalabatsatfu

Tfola-3 tinombolo letihlanganisa lenombolo lehlosiwe.

Umtsetfo: Ibe yinye nje kuphela inombolo lengagcina ngeli-O.

Sibonelo:



## Ema-50 ngetulu nema-50 ngaphasi

Bhala timphendvulo kuluhlu lwersi-2.

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



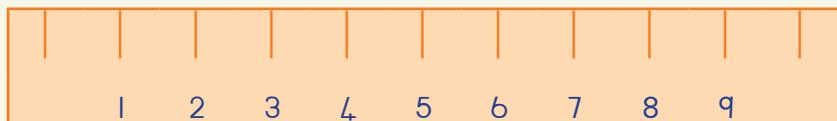
Teacher: Sign:
Date:



# Kukala ngemasentimitha



## Ngabe lisentimitha lingakanani?



Letinombolo kurula timele [emasentimitha](#).

Sisebentisa lesinciphiso nobe lumphawu lwa-**cm**.

Uma usebentisa irula, kumele ucale kulinganisa kuli-O.

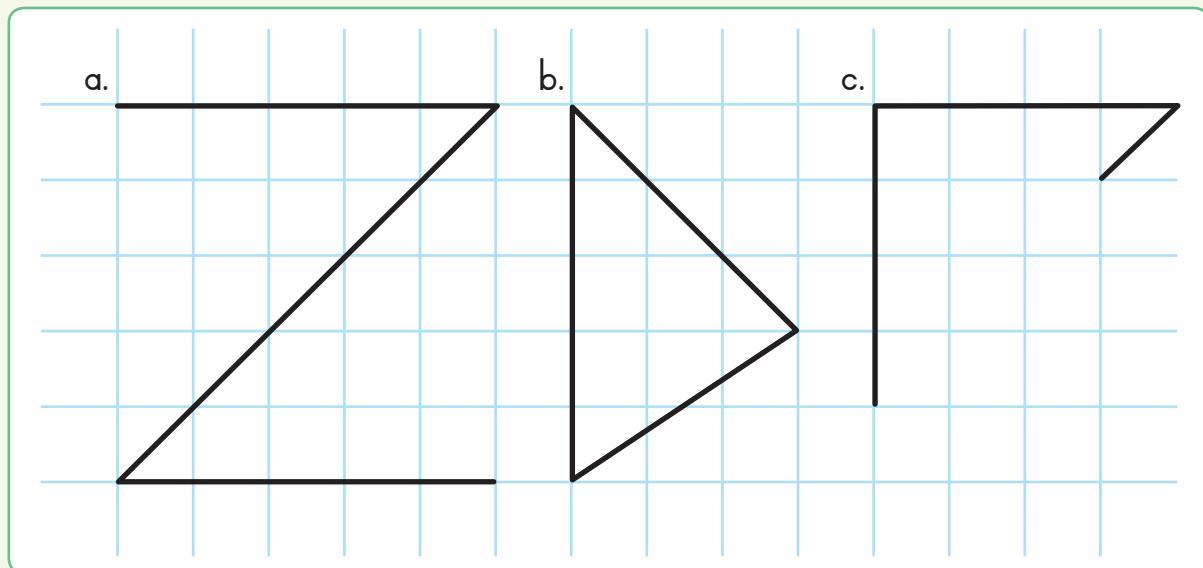
Lamanye emarula akakhombisi leli - O njengalena lekulelikhasi.

Tfola licandza le -cm kurula. Bhala li -O kurula.

Ukuphi 10 cm kulerula? Bhala 10 lapho.



Linganisa, bese ukala kahle ngerula yakho budze lobuphelele balemigca ngema cm.



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



## Mudze ngakanani umugca munye?

Ngabe umugca mudze ngema - cm lamangakhi?

Sebentisa umunwe kusisita kuncuma.

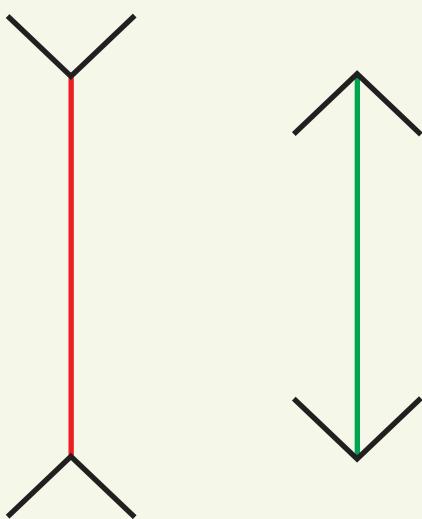
a. —————	<input type="text"/> cm	d.	<input type="text"/> cm
b. —————	<input type="text"/> cm	e. —————	<input type="text"/> cm
c. —————	<input type="text"/> cm	f. —————	<input type="text"/> cm



## Ngabe ucinisekile?

Ngumuphi lomudze, umugca lobovu nobe loluhlata?

Ungahlola njani?



Loku ngulokubitwa ngekukhohlisa lokubonakalako. Loku kwenteka uma emehlo akho abona intfo lengekho. Lemigca lemibili iyalingana. Lemigca lebheke ekhatsi yenta umugca loluhlata ubukeke sengatsi mufisha kunaloku lewungiko. Lemigca lemnyama lechubekela ngephandle yenta lena lebovu ibukeke imijana bese imigca lemnyama lebheke ngekhatsi yente imigca leluhlata ibukeke imifishanyana.



4



Lusuku:

Ithemu 2



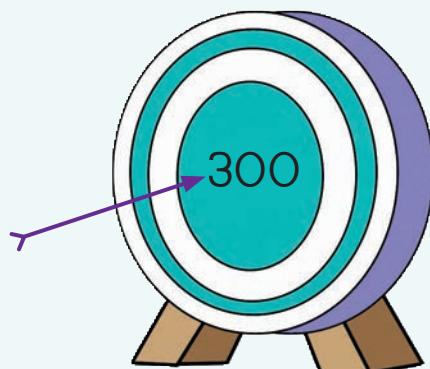
Bala futsi ubhale ema - 200

Bala kusuka kuma - 201 kuye kuma - 300.

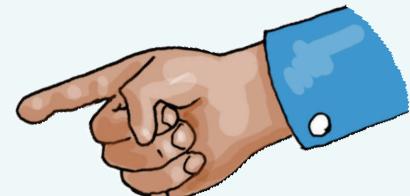
Khomba njengobe uhamba.

Emva kwaloko gcwalisa tinombolo letilingangane kucala.

Sale ubhala tonkhe letinye tinombolo.



201						207			210
211									
221									
231									



Bhala letinombolo letili - 10 letilandzelako emva kwema - 300.

300; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Yini luzubo?

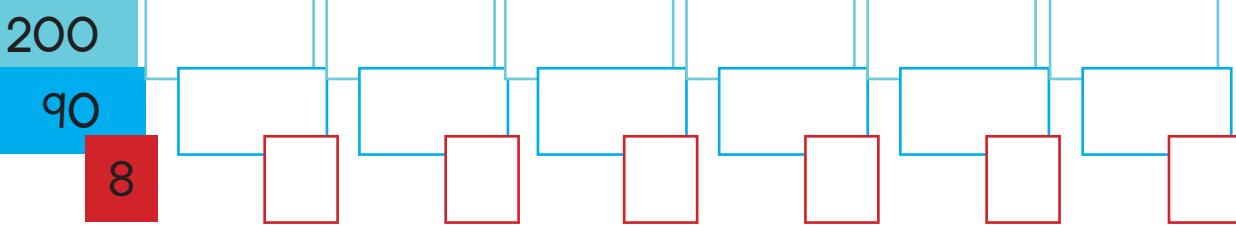
30I		28I						
		I7I						2II
							10I	



Kukhombisa nekucatsanisa.

- a. Bhala letinombolo letingena ekhadini ngalinye.

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



- b. Bhala tinombolo ngeluhla kusukela kulencane kuya kulenkhulu kakhulu.

\_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_



Yini ingucuko? Bhala letinombolo letishiyekile.

Kucala



Kuphela

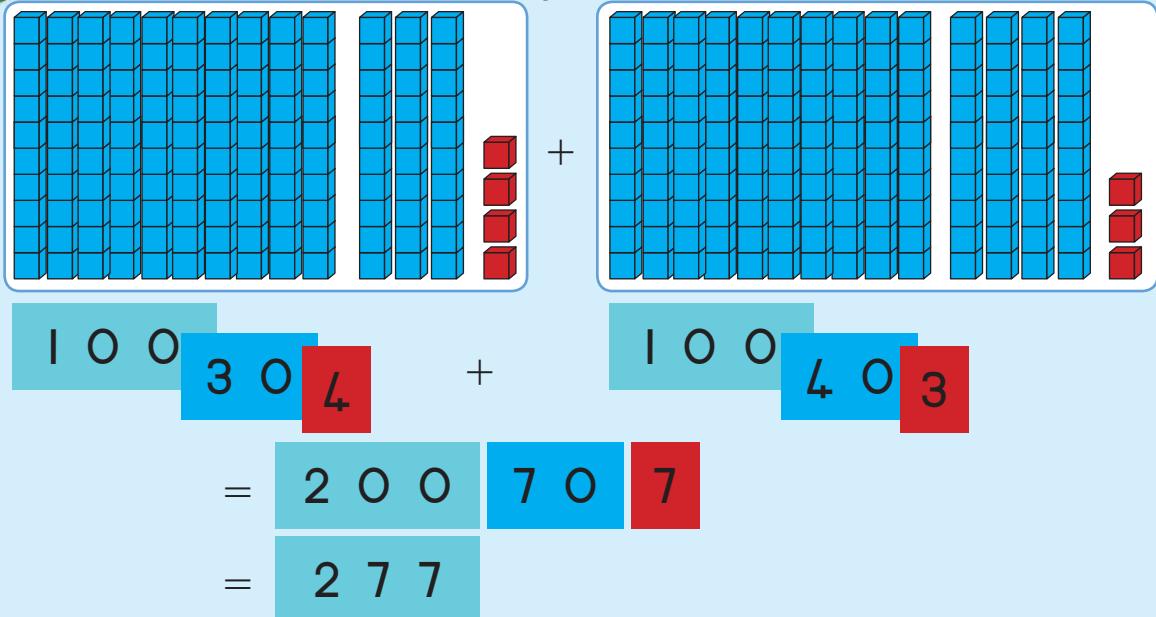


Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



## Kuhlanganisa nekususa ngabo 100

Kusebentisa emabholoki kuhlanganisa



Landzela letindlela letimbili. Khombisa imphendvulo ngayinye ngetindlela letimbili.

a.  $132 + 123$

Indlela ya Busi

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



Indlela ya-Dumi

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

b.  $114 + 162$



c.  $276 + 148$



Bukisisa indlela ngayinye. Yenta sibalo ngasinye ngetindlela letimbili.

a.  $158 - 146$

Indlela ya Busi

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


Indlela ya-Dumi

$$\begin{aligned}
 &\cancel{1} \cancel{5} \cancel{8} - \cancel{1} \cancel{4} \cancel{6} \\
 &= 0 + 10 + 2 \\
 &= 12
 \end{aligned}$$


b.  $194 - 122$

c.  $288 - 199$



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

43

Lusuku:



Ithemu 2

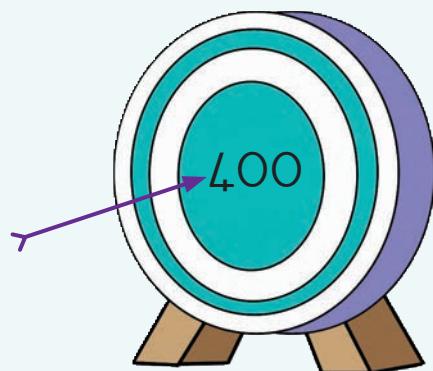


Kubala nekubhala ngema - 400

Bala kusuka kuma - 300 uye kuma - 400

Shano tinombolo usachubeka.

Bhala tinombolo letishiyiwe kulegridi.



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



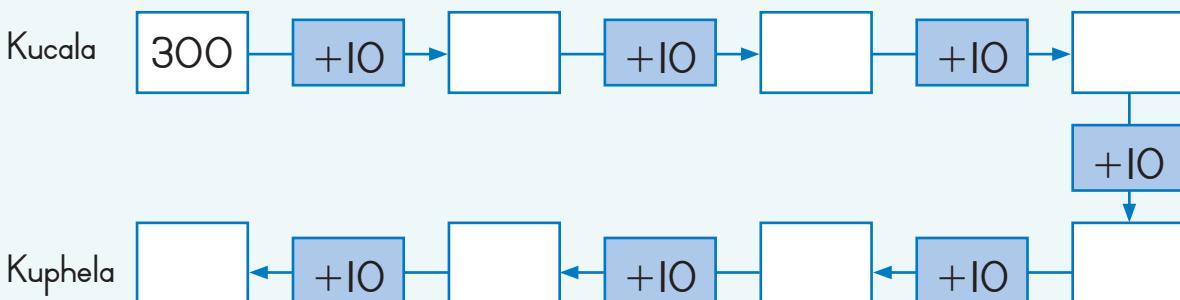
Bhala tinombolo letiyi - 9 emva kwema - 400.

400; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_;

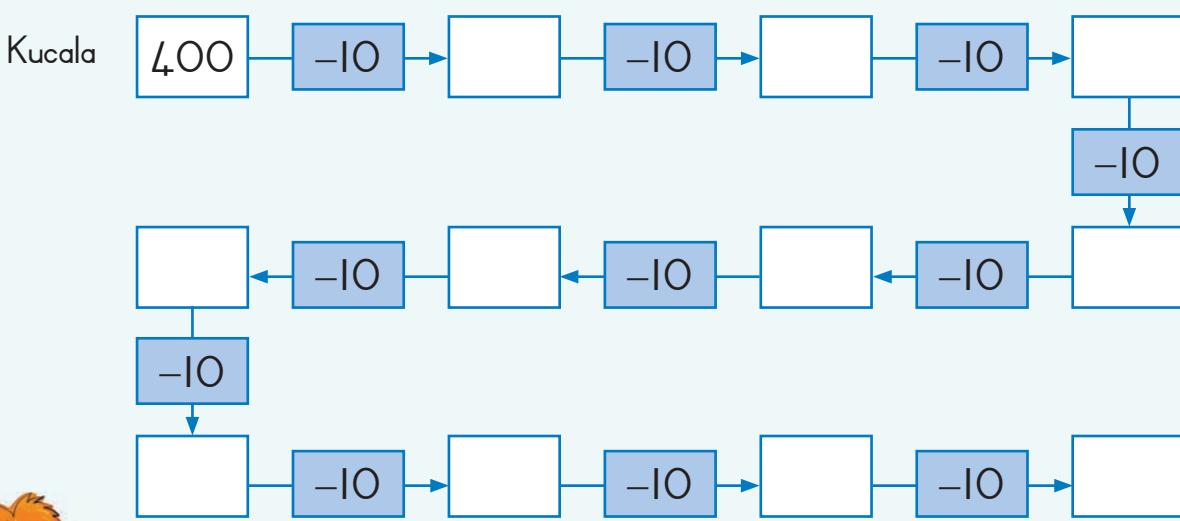


Bala uye embili nasemuva.

- a. Kubala uye embili ngemashumi usuka kuma -300



- b. Bala usuke kuma -400



Bhala kube yinombolo yinye.

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

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

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

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

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

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

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

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

Bhala tinombolo ngekulandzelana kwato kusuka kulencane kakhulu kuya kulenkhulu kakhulu.

          ,           ,           ,           ,           ,           ,           ,           



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

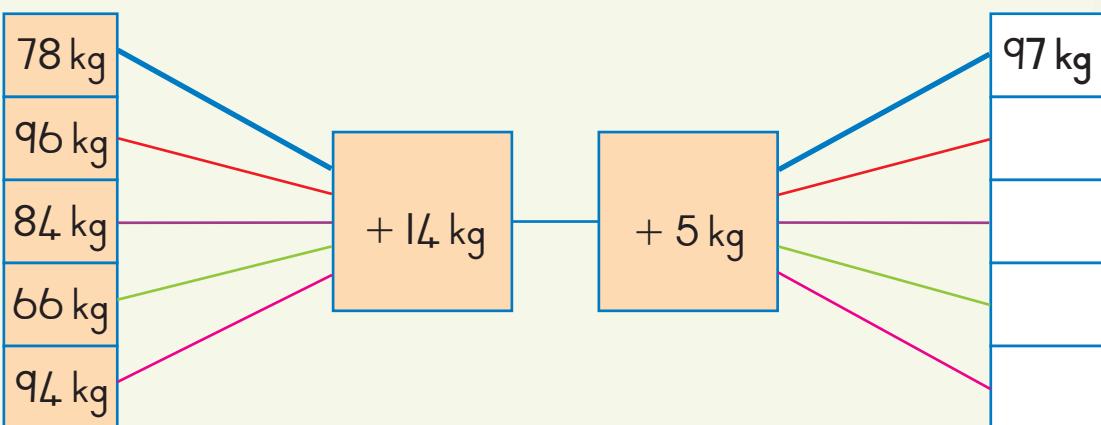


## Kukala



Inombolo lekhetskile

Hlanganisa uphindze ubhale timphendvulo.



Sondzeta bese uyengeta!

Cabanga ngekuhlakanipha!

Jakalazi 25 kg	Lufudvu 98 kg	Imfene 59 kg	Umtfwana welidvuba 88 kg	Lilandza 9 kg

Sondzeta sisindvo sesilwane ngasinye ku 10 kg.

Bhala sisindvo sesilwane ngasinye ngekulandzelana kusuka kulesilula kuya kulesesindzako.

Yenta silinganiso sesamba sesisindvo saletilwane letisi -5 setitonkhe.



Hlanganisa lesindvo sato.



Kungenteka ngingasindzi njengawe Lufudvu loludzala,  
kodvwa ngiyakwendlula ngelitubane!



Tinyatselo

- Sebentisa emanani akho lasondzetiwe kulinganisa.
- Linganisa sisindvo setilwane kuluhlu ngalunye.
- Bala emathothali usebentisa sisindvo lesingiso.
- Catsanisa lamathothali lamabili bese ubhala umehluko.

	Ngiyalinganisa	Ngiyabala	Umehluko
+			
+  +			
+  +			



Sisindvo saVusi

Buka. Catsanisa. Lungisa.

Vusi uhlanganisa sisindvo sakhe kutisindvo teli- nelu- . Sisindvo sabo lesiphelele ngema- **239 kg**. Ngabe Vusi usindza ngakanani? Khombisa imphendvulo yakho.

--	--



Sitsini sami sisindvo?

Dlalani ngemacembu. Ntjintjanani...

Hlanganisa sisindvo sakho kusindvo saletinye tilwane. Tfola ithothali! Tjela licembu imphendvulo. Ungabakhombisi umsebenti wakho! Kumele batame kutfola sisindvo sakho.



45



Lusuku:

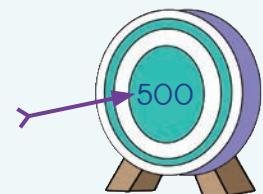
Ithemu 2



## Umgomo 500

Bala uphindze ubhale

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



- a. Bala uchubeke kusuka kuma - 400. Shano letinombolo njengobe uhamba.
- b. Bhala tinombolo letingekho kugridi.
- c. Bhala tinombolo letiyi - 9 letilandzelako emva kwema - 500.

500; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- d. Bala ngaku - 2. Bhala tinombolo letisi - 8 letilandzelako ngephethini yabo - 2.

400; 402; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

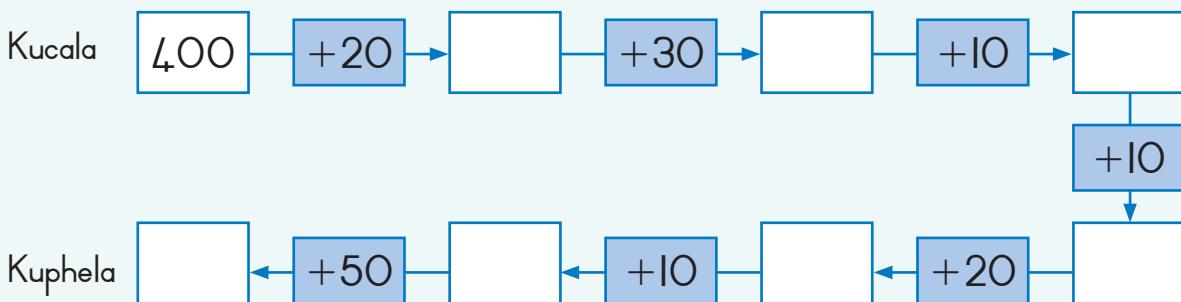
- e. Bala neti - 5. Bhala tinombolo letisi - 8 letilandzelako ngephethini yeti - 5.

400; 405; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

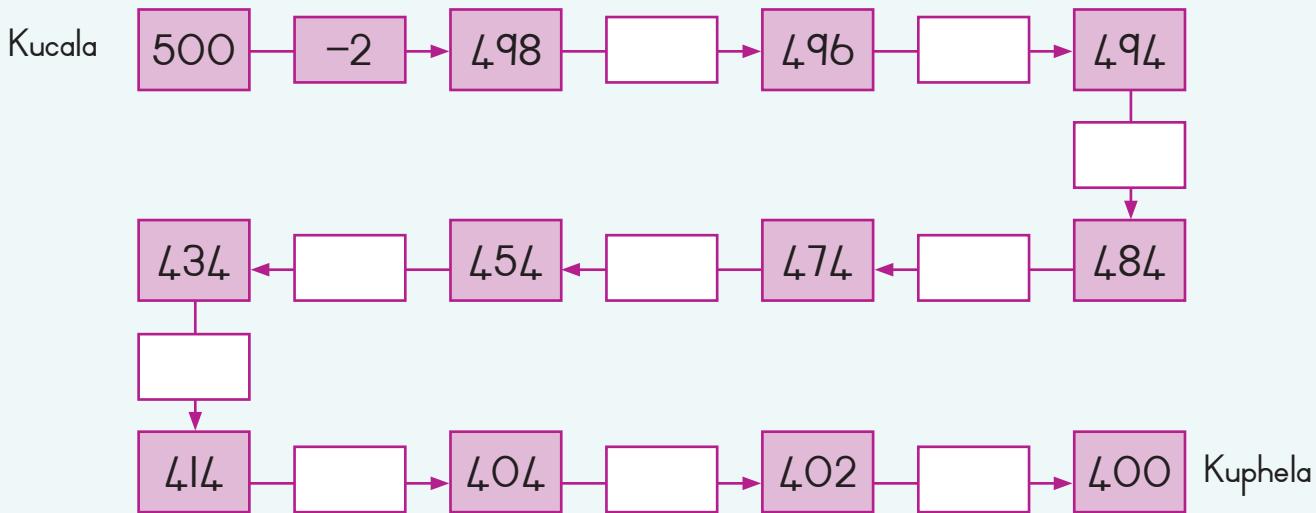


Yini umehluko?

- a. Balela embili kusuka kuma - 400.



- b. Balela emuva kusuka kuma - 500.



Khombisa letinombolo. Landzela lesibonelo.

Tfola inhlanganisela yesamba. Sebentisa emakhadi akho etinombolo kukhombisa samba ngasinye.

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

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



Teacher:  
Sign:  
Date:

# Kuhlanganisa nekususa

## Yini lokubonako?

A 2x2 grid of colored rectangles representing data values. The top-left rectangle is light blue with the value '2 0 0' in black. The top-right rectangle is medium blue with the value '5 0' in white. The bottom-left rectangle is light blue with the value '2 0 0' in black. The bottom-right rectangle is medium blue with the value '3 0' in white.

400  
80  
q

4 8 9



Sitawuphindze sisebentise indlela yaBusi naDumi kwengeta.

a.  $245 + 231$

## Idlela yaBusi

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

A portrait of a young African girl with short, dark hair, smiling at the camera. She is wearing a light-colored top.

## Idlela ya-Dumi

$$\begin{aligned}
 & 245 + 231 \\
 = & 400 + 70 + 6 \\
 = & 471
 \end{aligned}$$

A portrait of a young girl with dark skin and short, braided hair. She is wearing a pink shirt and is smiling at the camera.

b.  $278 + 136$

c.  $265 + 148$



Sitawusebentisa indlela yaBusi naDumi kunciphisa.

a.  $476 - 324$

Indlela yaBusi

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



Indlela ya-Dumi

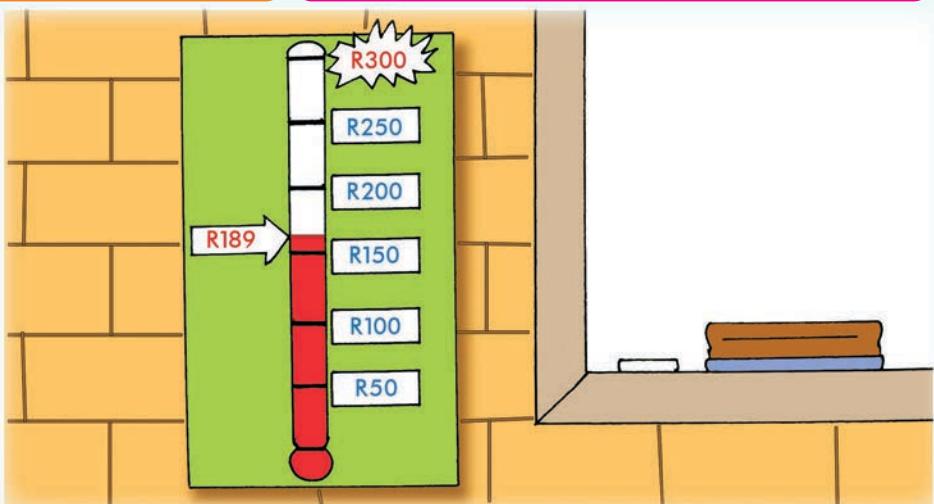
$$\begin{aligned} &\cancel{4} \cancel{7} 6 + \cancel{3} \cancel{2} 4 \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$

b.  $489 - 456$

c.  $482 - 161$



Kushaya inkoyoyo



Bukisisa lesitfombe.

Kusele kanganani ushaye inkoyoyo?

R



Teacher:

Sign:

Date:



## Lolonga Iwati Iwakho



### Intsaba leyimfihlo

Yini ligama lentsaba lenkhulu eGauteng? Sebentisa lekhodi kutfola. Condzanisa imphendvulo ngayinye ethebuleni eluhlavini lolukukhodi.

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

Tinombolo temikhondvo	Imphendvulo	Luhlavu
Sibonelo: $2 \times 3 \times 3 \times 1 = \square$	18	R
$50 + 50 + 50 + 100 - 200 - 45 = \square$		
$1 + 2 + 7 + 10 + 7 + 1 - 14 = \square$		
$60 - 30 + 50 + 20 - 50 - 15 - 20 = \square$		
$3 + 2 + 7 + 1 + 2 + 1 + 3 = \square$		
$5 + 3 + 30 = 4 + 2 + 12 + \square$		
$100 - 5 - 70 = 20 + \square$		
$36 + 44 - 60 - 22 = \square$		
$10 + 15 = 14 + \square$		
$2 + 1 + 14 + 9 + 14 = 25 + \square$		
$1 \times 2 \times 2 \times 2 \times 2 = \square$		
Ligama lentsaba yi		



Buka! Cabanga, futsi uphendvule!

• \* ☽ \* • • \* ☽ \* • • \* ☽ \* •

I 2 3 4 5 6 7 8 9 10 II 12 13 14 15

a. Lutawuba njani lumphawu Iwa-16? Faka lumphawu (✓) loku lokunguko.

\* • ☽

Lutawuba njani lumphawu Iwa-18? Faka lumphawu (✓) loku lokunguko.

\* • ☽

Lutawuba njani lumphawu Iwa-23? Faka lumphawu (✓) loku lokunguko.

\* • ☽

b. Nombolo 50 utawuba \*

Liciniso nobe Akusilo liciniso?

Nombolo 100 utawuba •

Liciniso nobe Akusilo liciniso?

Nombolo 28 utawuba ☽

Liciniso nobe Akusilo liciniso?



Ngukuphi lokungetulu?

Kutfola R2,50 ngelilanga imali yekudla  
ngeNhlaba nangaKhlowane noma  
kutfola RI50 imali yonkhe yemphako  
waletinyanga totimbili. Khombisa kutsi  
ukubale njani loku.

Hola. Catsanisa. Lungisa.

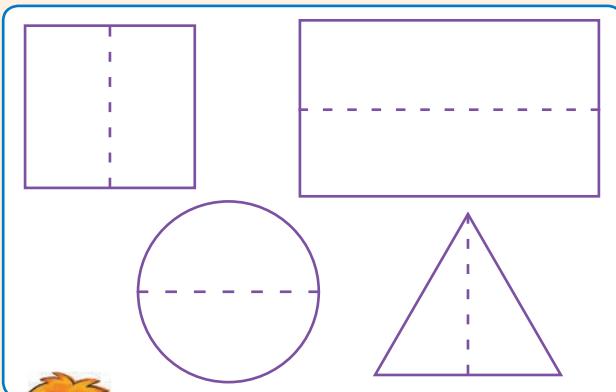


48



## Umugca - sibuko

Yini lokunakako ngalabobunjwa?

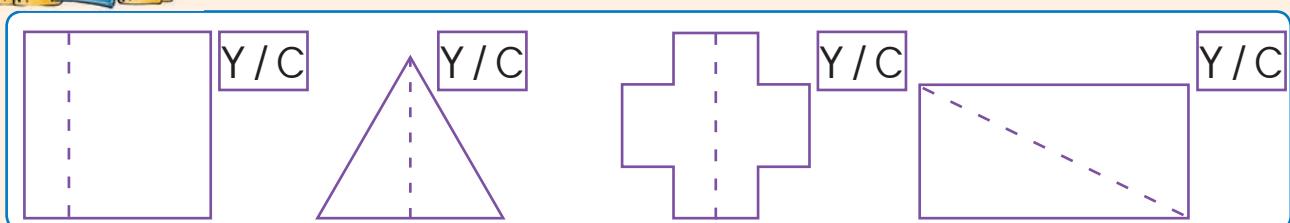


Dwweba umugca wesitfunti-mafanana waloyo naloyo bunjwa.

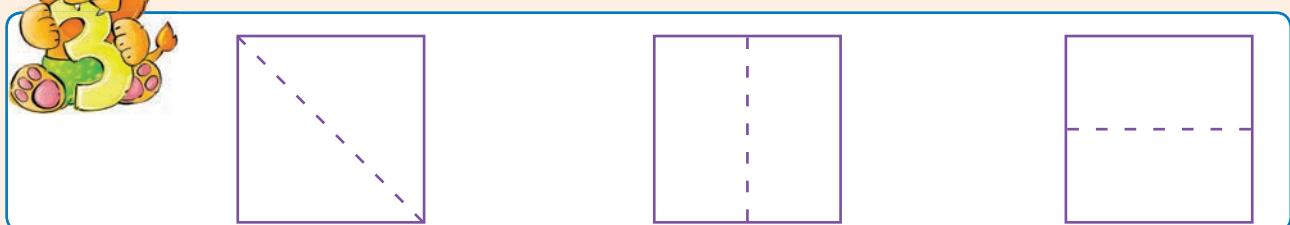


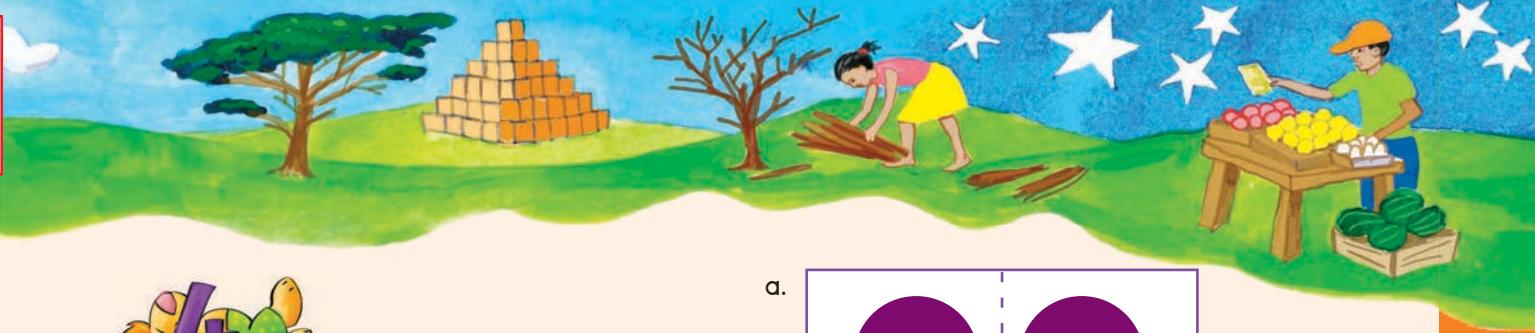
Umugca longemacashata ngabe ngewesitfunti-mafanana noma cha?

Kipilitela (Yebo) noma (Cha).



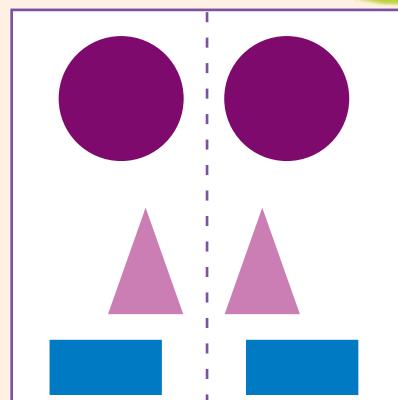
Ngabe nguwo umkhatsi-layini locondzile lo? Usho ngani?



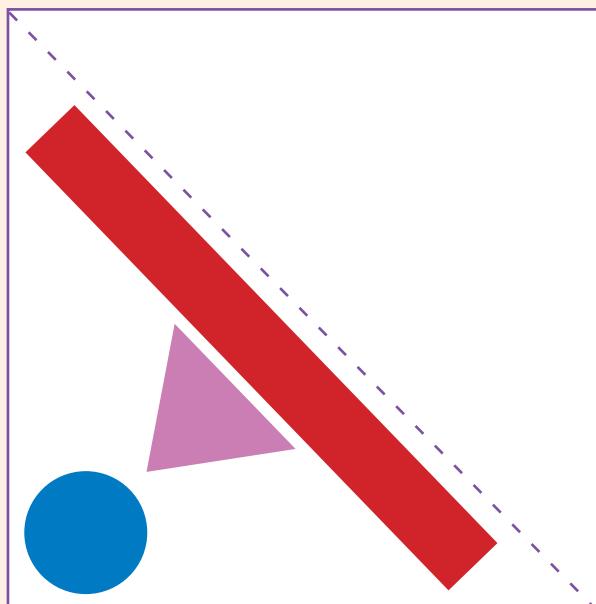


Dwweba bobunjwa kwenta sitfombe  
sesitfunti-mafanana. Sikwentele  
sibonelo sekucala.

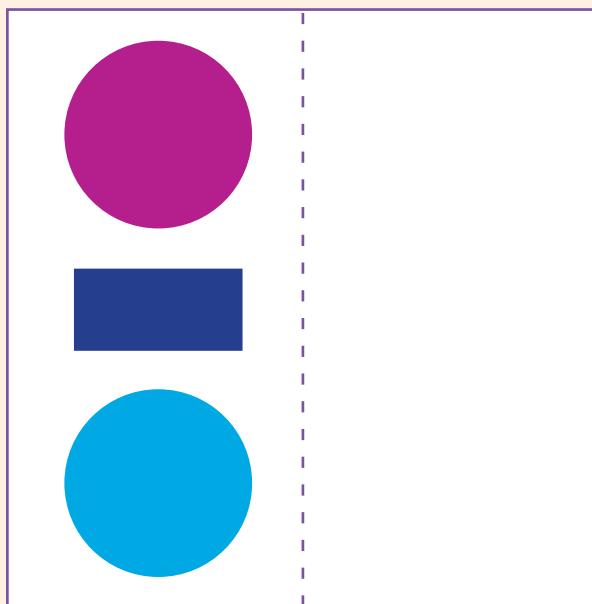
a.



b.



c.



Yakha lakakho  
licansi  
letifunti-  
mafanana  
usebentise  
bobunjwa.



Teacher:  
Sign:  
Date:

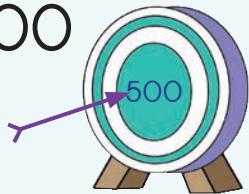
49

Lusuku:

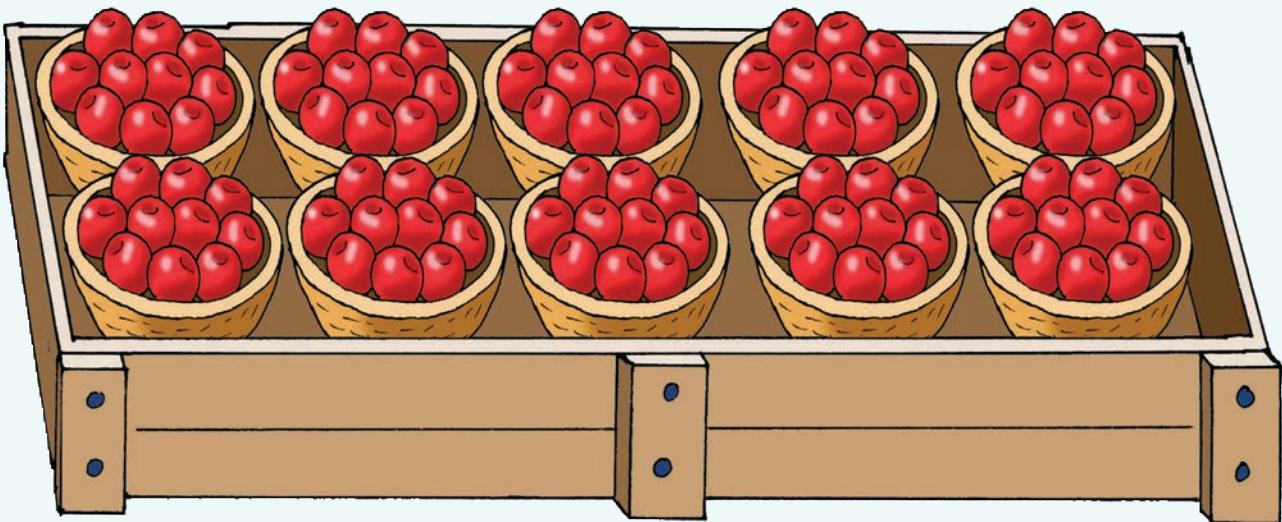
Ithemu 2



## Kwakha kufika kuma - 500



Kubala lamahhabhula



Cedzela bese uyaphindzaphindza.

Libhasikidi li-liphatsa emahhabhula la _____.	$1 \times 10 = 10$
Emabhasikidi lama-3 aphatsa emahhabhula la _____.	$3 \times 10 =$
Emabhasikidi lasi-5 aphatsa emahhabhula la _____.	
Emabhasikidi la-4 aphatsa emahhabhula la _____.	
Emabhasikidi la-2 aphatsa emahhabhula la _____.	

I likasi licukatsa 100 wemahhabhula.	2 wemakasi acukatsa _____ wemahhabhula.
3 wemakasi acukatsa _____ wemahhabhula.	4 wemakasi acukatsa _____ wemahhabhula.
5 wemakasi acukatsa _____ wemahhabhula.	2 hhafu wemakasi ucukatsa _____ emahhabhula.

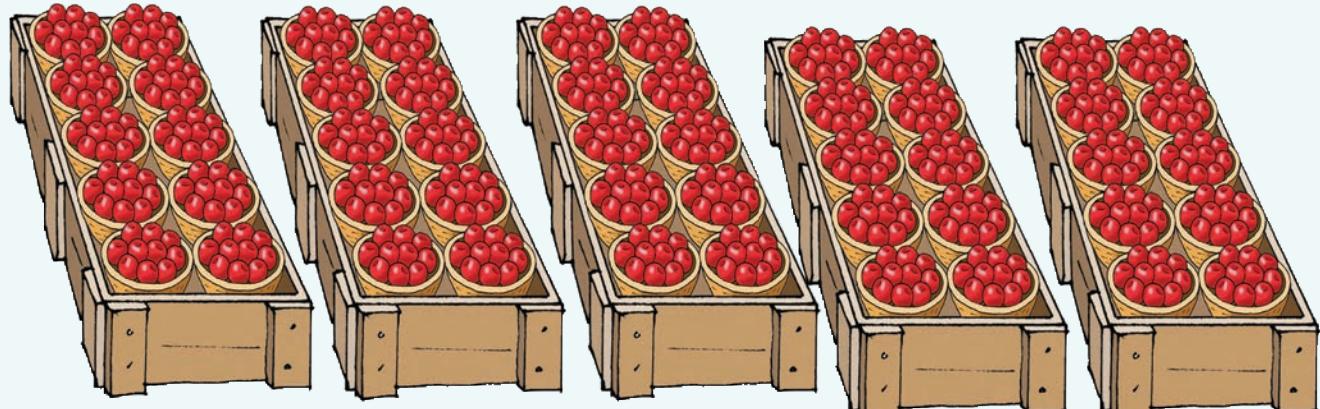


Kunemahhabhula lali-10 ebhasikidini yi-l.

Kuna \_\_\_\_\_ wemabhasikidi ekasini linye.

Kuna \_\_\_\_\_ wemahhabhula ekasini linye.

Mangakhi emahhabhula sekawonkhe? \_\_\_\_\_



### Bala, ukhombise futsi ubhale

Kwekulala sebentisa emakhadi etinombolo kukhombisa ithothali ngayinye.  
Emva kwaloko bhala lenombolo.

300      40      5

$$3 \text{ emakasi emahhabhula} + 4 \text{ emabhasikidi} + 5 \text{ Emahhabhula} = 345 \text{ emahhabhula}$$

$$4 \text{ emakasi emahhabhula} + 5 \text{ emabhasikidi} + 7 \text{ Emahhabhula} = \underline{\quad} \text{ emahhabhula}$$

$$5 \text{ emakasi emahhabhula} + 2 \text{ emabhasikidi} + 3 \text{ Emahhabhula} = \underline{\quad} \text{ emahhabhula}$$

$$4 \text{ emakasi emahhabhula} + 7 \text{ emabhasikidi} + 2 \text{ Emahhabhula} = \underline{\quad} \text{ emahhabhula}$$



50



Lusuku:

Ithemu 2

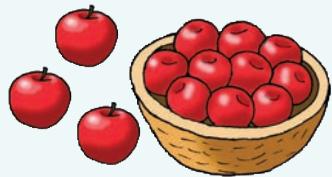
## Kuphindzaphindza nekwaba nga (10)



Kubala emahhabhula.

Gcwalisa lelithebula.

Mangakhi emabhasikidi lacukatsa emahhabhula?



Emahhabhula		10	20	30	40	50
Emabhasikidi		1	2			
÷ sibalo						$50 \div 10 = 5$
× sibalo						$5 \times 10 = 50$



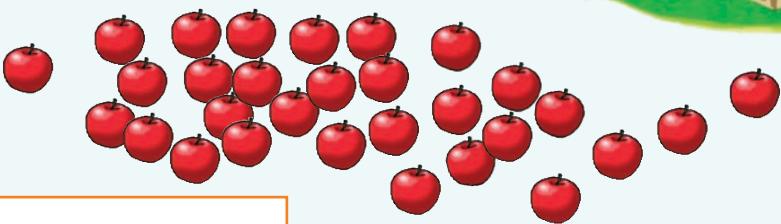
a.

Yabela bantfwana emahhabhula. Yenta sibalo sekwaba nesekuphindzaphindza kuhlolisia inphendvulo yakho.

	<p>Hlola timphendvulo takho</p> $\square \div \square = \square$ $\square \times \square = \square$	



b.



Bhala sibalo se  $\div$

Bhala sibalo se

$\times$  kuhlolisia

timphendvulo takho.



Sebentisa letinombolo kwenta yakho imishonombolo.



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

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

Imishonombolo



$$\div \quad$$

$$\times \quad$$



$$\div \quad$$

$$\times \quad$$



$$\div \quad$$

$$\times \quad$$



Bhala inombolo lencane nga 10 nalenkhulu nga 10 kunaleyo leniketiwe.

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



Teacher:  
Sign:  
Date:

5|



Lusuku:

Ithemu 2



## Bala ngaku-2

Balela phambili ngaku-2 nasemuva.

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



Emapheya  
emagilavu



- Mangakhi emapheya emagilavu kuluhlu lunye? \_\_\_\_\_
- Mangakhi emagilavu lahamba ngalinye kuluhlu lunye? \_\_\_\_\_
- Tingakhi tinhlu? \_\_\_\_\_
- Mangakhi emagilavu sekawonkhe? \_\_\_\_\_
- Khombisa kutsi ubale njani.
- Bhala imphendvulo yakho njengemushonombolo.  
\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_



## Mangakhi emagilavu?

Bhala kumathebula.

a.

Lipheya		1	10	5	50	4	40	3	30	100
Linani lemagilavu	2									

b.

Ligilavu linye	20	21	70	73
Emapheya langentiwa				
Emagilavu lahamba ngalinye lasele				



## Bala ngakubili.

- a. Nguyiphi inombolo leba semkhatsini waleti?

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

- b. Bhala tinombolo letimbili letilandzelako.

373, 375, <u>377</u> , <u>379</u>	480, 482, _____, _____	262, 264, _____, _____
-----------------------------------	------------------------	------------------------

- c. Bhala tinombolo letimbili letilandzelako.

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





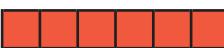
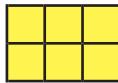
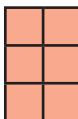
### Kulungiselela kwenta ingadze

Make Mabena unemathayili lamahle.

Uwasebentise kupheva indzawo tsite engadzeni yakhe.

Kunemathayili lasi-6 lalinganako.

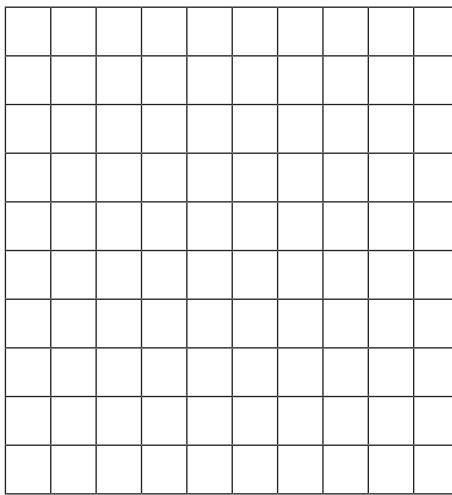


Ngeneta luhlu lu-1 ngemathayili lasi-6 ngeluhla.	Ngeneta tinhlu leti-2 ngemathayili lama-3 ngeluhlu.	Ngeneta tinhlu leti-3 ngemathayili lama-2 kuluhlu lunye.
 $6 \times 1 = 6$	 $3 \times 2 = 6$	 $2 \times 3 = 6$

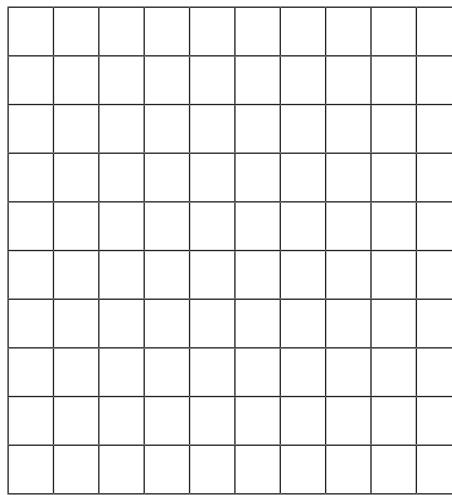
Nyalo sekulitfuba lakho!

Faka umbala kumabhluloki kukhombisa kutsi ungawahlela njani emathayili lasi-8 ne-9 lasi kwele.

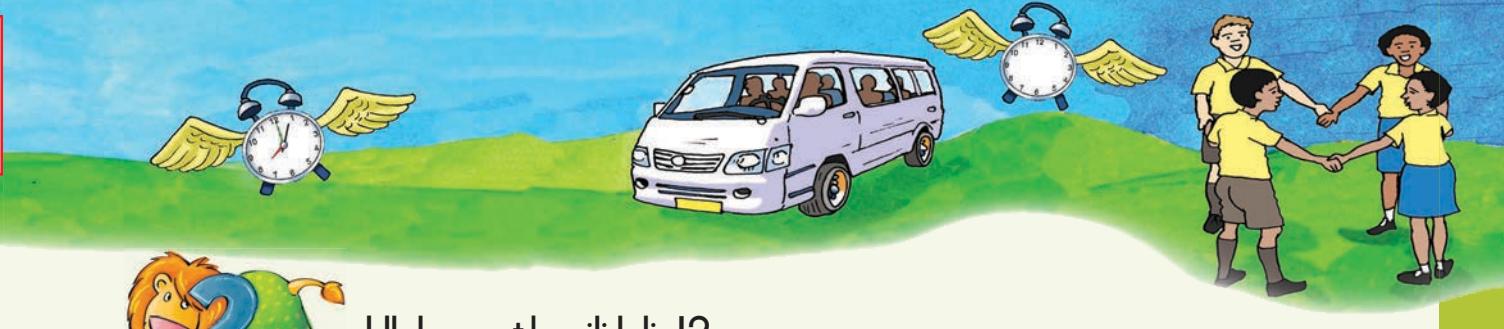
8 tikwele



9 tikwele



Bhala imishonombolo kumdvwebo ngamunye.



## Hlela emathayili lali-12

Thabo unemathayili lasikwele lali-12 kutsi apheve eceleni kwendlu. Msite atfole tindlela langenta ngato loku. Bhala umushonombolo lobonisa indlela ngayinye.

Sibonelo:	$1 \times 12 = 12$
	$12 \times 1 = 12$



## Hlela emathayili langema-24

- Sebentisa legridi koLokujutjiwe 2.
- Hlobisa ngetindlela letehlukene kute uvale emabhuloki langema-24.
- Bhala imishonombolo kucatsanisa umdvwebo ngamunye.

--	--	--



## Ngingaphindzaphindza!

$12 = 2 \times$ <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: \_\_\_\_\_



Ngeti-5 kuya ku ma-500



## Yatjij-5 takho

## Gcwalisa letimphendvulo.



# Bala lamakhhandlela



- a. Mangakhi emakhandlela ebhokisini ngalinye? \_\_\_\_\_
  - b. Mangakhi emabhkisi eluheleni ngalunye? \_\_\_\_\_
  - c. Mangakhi emakhandlela eluheleni ngalunye? \_\_\_\_\_
  - d. Mangakhi emakhandlela sekawonkhe? \_\_\_\_\_



## **Khombisa imphendvulo yakho**

Faka lumphawu (✓) imishonombolo lekhombisa linani leliphelele lemakhandlela.

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



## Balela phambili nasemuva ngeti-5

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



## Gcogca tindibilishi tabo R5



Bantwana bakoleka boR5. Baswela kwenta bangakhi boR5?

$R5 \div R5$ = 1 indibilishi	$R10 \div R5$ = 2 tindibilishi	R15? _____	R20? _____	R25? _____
R30? _____	R35? _____	R40? _____	R45? _____	R50? _____

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

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

Ngabe uayibona lephethini?

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

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



## Phindzaphindza ngeti-5

Sibonelo:  $1 \times 5 = 5$ ;  $2 \times 5 = 10$ ;  $3 \times 5 = 15$

Cabanga ngekuhlakanipha! Yakha ngetintfo lotatiko!

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



## Kusebenta ngesikhatsi



### Dwewe laetikhatsi

Kugabende insimbi yesi-5	Kusebenta emashumi lasihanu kutsi kusnayi insimbi yelishumi nadunyu	Imizuzu lelshumi nesihantu istaujile insimbi yesi-12	4:30



### Inkinga yesikhatsi

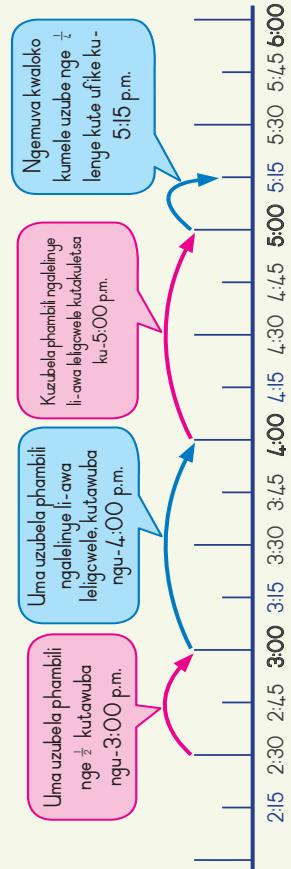
Ma ke Na Nomsa usuka ekhaya nga - **2:30 p.m.**  
Ubuya emuva ekhaya nga - **3:15 p.m.** Uhambé  
sikhatsi lesingakanan?

Singasebentisa umugcasikhatsikubala.  
Beko umunwe wakho  
ku-2:30, sikhatsi lekunguso nyalo.

Uma uzubela phambili  
ngalelinje li-awa  
lelgcwele kutawuba  
ngu-4:00 p.m.

Ngermuva kwaloko  
kumele uzube nge  $\frac{1}{2}$   
lenye kute ufike ku-  
5:15 p.m.

a. Queenie uvakashela Babe wakhe emtfolamphilo  
nga-**15:45 p.m.** Usuka nga - **17:15 p.m.**  
Uhambé sikhatsi lesingakanan?



Ihhafu yeli-awa kanye nema-awa lagcwele lamabli kwenta  $\frac{1}{2}$   
ema-awa. Kantsikota yeli-awa ngotulu kwenta  $2\frac{3}{4}$  sekawonkhe.

## Tinkinga tesikhatsi

Catulula inkinga ngayinje. Sebentisa imugcasikhatsi kukuksita.



### Buka. Catsanisa. Lungisa.

a. Queenie uvakashela Babe wakhe emtfolamphilo  
nga-**15:45 p.m.** Usuka nga - **17:15 p.m.**

Uhambé sikhatsi lesingakanan?



b. Musa uya apaki nga- **10:45 a.m.**  
Ubuya ekhaya nga- **12:30 p.m.**  
Uhambé sikhatsi lesingakanan?

c. Tumi ucalakufundza nga- **13:15 p.m.**  
Ucedzanga - **14:45 p.m.**  
Nagabe Tumi ufundze sikhatsi lesingakanan?



## Bala ngaku-3 nangaku-4



Emabhhodo lan imilente lemi-3

Hlanganisa bese  
ubhola timphendulo



- Mangakhi emabhhodo eluheleni? \_\_\_\_\_
- Mangakhi imilente eluheleni? \_\_\_\_\_
- Mangakhi ematelele ematafula? \_\_\_\_\_
- Mingakkhi imilente seyijonkhe? Khombisa kutsi ukubale njani loku.

Ngumuphi umusho hombolo lokhombisa sekukonkhe.  
 $2 \times 7 = \boxed{\quad}$      $3 \times 7 \times 3 = \boxed{\quad}$      $3 \times 4 \times 2 = \boxed{\quad}$      $2 \times 3 = \boxed{\quad}$

**Mingakkhi imilente?**



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

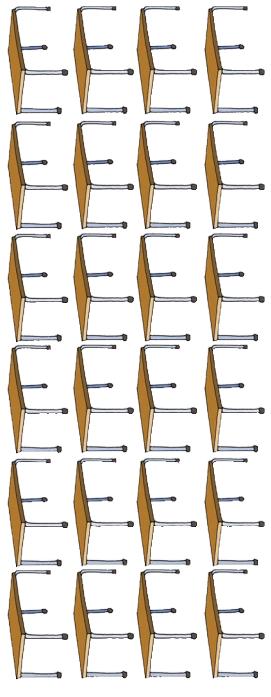
**Cabanga ngekukhesha**  
Cabanga ngekukhlakanipha

5	imilente	5	imilente
12	emabhhodo	12	emabhhodo
14	emabhhodo	14	imilente

**Cedzelia legridi ngekugewalisatimphendvulo.**

2	3	4	5	8	10	11	12
3	6	8	10	12	14	16	18

Imilente yeltafula



- Mangakhi ematafula eluheleni? \_\_\_\_\_

- Mingakkhi imilente eluheleni? \_\_\_\_\_

- Mangakhi ematelele ematafula? \_\_\_\_\_

- Mingakkhi imilente seyijonkhe? Khombisa kutsi ukubale njani loku.



_____
_____

Teacher: Sign: _____
Date: _____

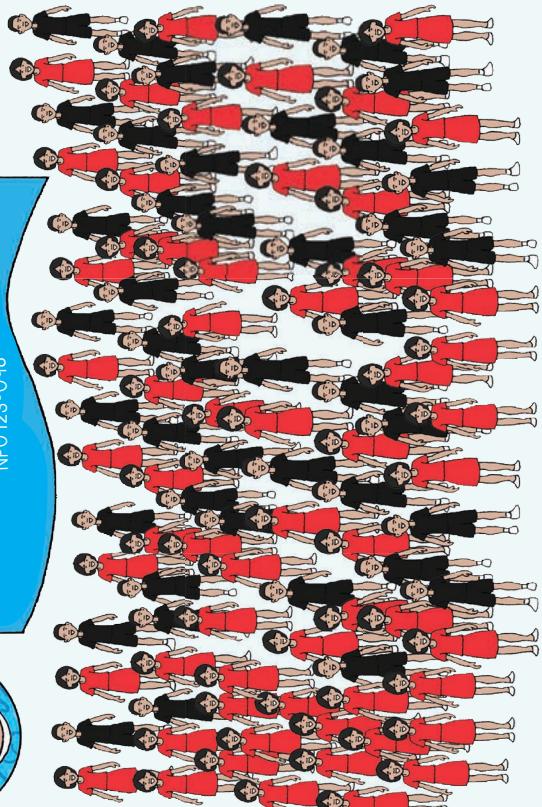
## Sita bantfwana

Umntfwana mure, ingubo yinye!

Bangakhi bantfwana? Linganisa, bese uydala.



**Ngubo yelit semba**  
Futfumeta bantfwabefu  
NPO 123-098



Ngumalini lebamphadala?

**Nikela nyalo!**  
**R50 ingubo**  
**y-1**



Gwazi  
utsenga ti-2

Ubhaddala  
R



Make Chaane  
utsenga si-5

Ubhaddala  
R



Baka - Themb Stores  
batsenga ema-20

Babhaddala  
R

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

Bonke lobantfwana esitfombeni batfola ingubo.

Bangakhi bantfwana labalapho? \_\_\_\_\_

Linganisa	Bala	Catsamisa

Bangakhi ☺ bafana? \_\_\_\_\_ Mangakhi ☺ emanufombatana? \_\_\_\_\_

Kutawutsatsa sikhatsi lesingdakanani? Sebentisa ikhallaenda.

Liklasi lelibanga 3 lycogca imali yekutsenga tingubo leti-4.

Bagcoggia R5 ngellingga ngemdalanga lasi-5 ngelviki.

Badzinga mangakhi emaviki ukoleka imali yalettingubo?

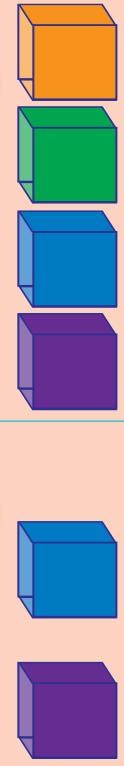
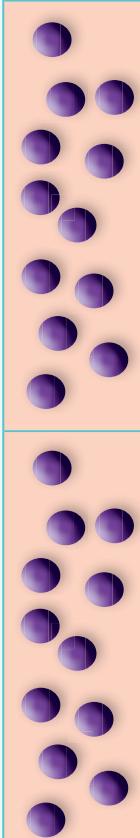


## Emafrakishini. bohhafu nemakota

Yada emabholo noekulingana emkhatsini wemabholokisi

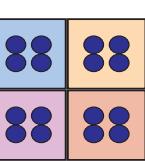
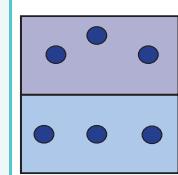


Itthemu 2



- Mangakhi emabhololebhokisini linje?
- Mangakhi emabhololebhokisini leisamsobo?
- Mangakhi emabhololebhokisini yemabhololesebhokisini leisamsobo?
- Ngubani ifrakishini yemabhololesebhokisini leisamsobo?

Bukal etifombe bese uphendvula imbuto.



Tingakhi tindilinga longatibala?

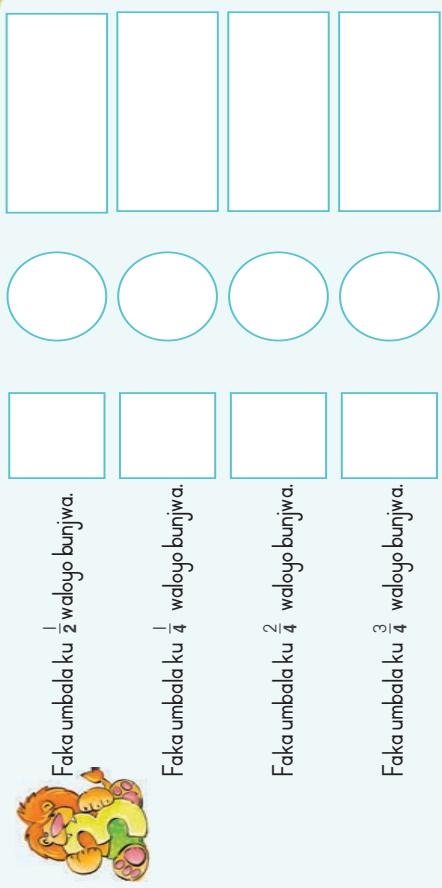
Ngubani  $\frac{1}{2}$  yetindilinga?

Ngubani  $\frac{1}{4}$  yetindilinga?

Ngubani  $\frac{2}{4}$  yetindilinga?

Ngubani  $\frac{3}{4}$  yetindilinga?

Ngubani  $\frac{4}{4}$  yetindilinga?



Faka umbala ku  $\frac{1}{2}$  waloyo bunjwa.

Faka umbala ku  $\frac{1}{4}$  waloyo bunjwa.

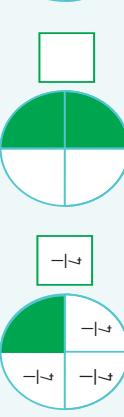
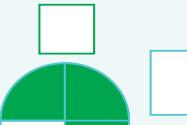
Faka umbala ku  $\frac{2}{4}$  waloyo bunjwa.

Faka umbala ku  $\frac{3}{4}$  waloyo bunjwa.

Buka lelibhandede ifrakishini



Ilokugcwele



a. Bangakhi bohhafu ( $\frac{1}{2}$ ) labakha kunye lokugcwele?

Mangakhi emakota ( $\frac{1}{4}$ ) lokha kunye lokugcwele?

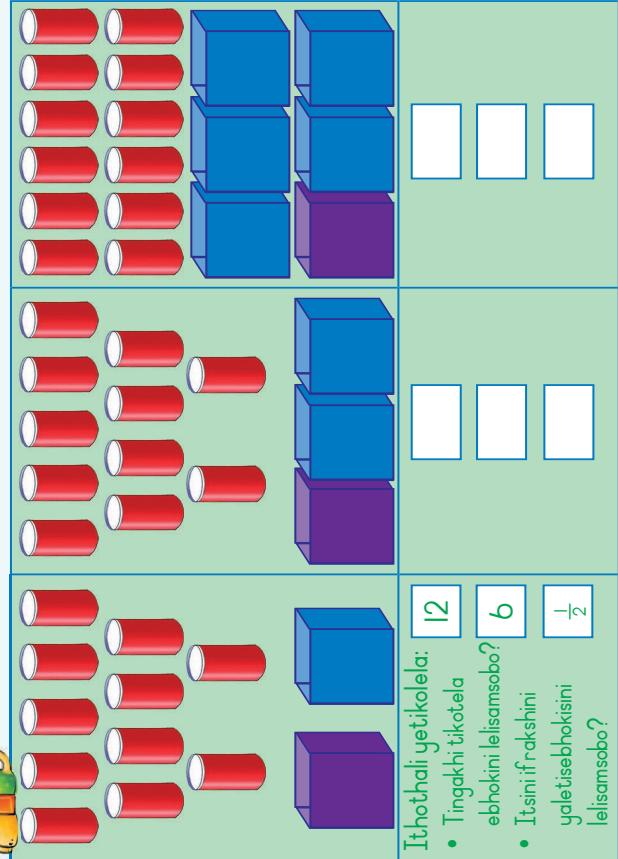
Mangakhi emakota ( $\frac{1}{2}$ ) lokha iharfū?

b. Buka lemidwewe bese ubhala ifrakishini yencenye lefakwe umbala.



## Emafrakishini: bohhafu, boncenyentsatfu naboncenyestfupha

Yaba tikotela (emasilinda) ngalokulinganako embhokisini.



Buka letifombe bese uphendula imbutuo.



Tingakni tindilinga longatibala?

Ngubani  $i \frac{1}{3}$  wetindilinga?

Ngubani  $i \frac{2}{3}$  wetindilinga?

Ngubani  $i \frac{3}{3}$  wetindilinga?

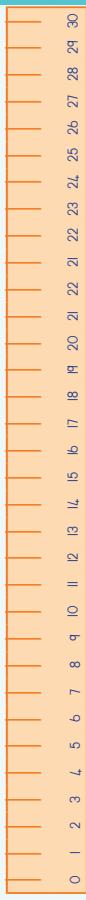
Ngubani  $i \frac{1}{6}$  wetindilinga?

Ngubani  $i \frac{2}{6}$  wetindilinga?

Ngubani  $i \frac{3}{6}$  wetindilinga?

Ngubani  $i \frac{4}{6}$  wetindilinga?

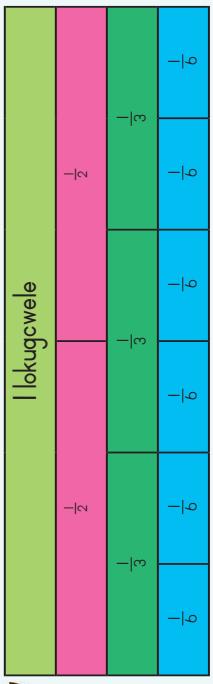
Ngubani  $i \frac{5}{6}$  wetindilinga?



- Khombiza ihafu yinye yerula. Loku kwakha \_\_\_\_ cm.
- Khombisa kunge kwalokutsatfu kulerula. Loku kulingana na \_\_\_\_ cm
- Khombisa kunge kwalokutsifupha kulerula. Loku kulingana na \_\_\_\_ cm



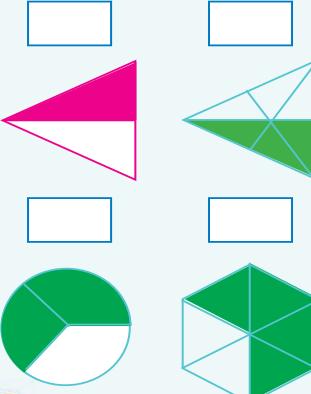
Bukal amabhande-frakshini. Cedzela lemisho.



- Kunemahafu la \_\_\_\_ kulokugcwele.
- Kundoku \_\_\_\_ kwalokutsatfu kulokugcwele.
- Kundoku \_\_\_\_ kwalokutsifupha kulokugcwele.
- Kundoku \_\_\_\_ kwalokutsifupha ehafini.
- Kundoku \_\_\_\_ kwalokutsifupha kuluksatsfu.



Bhalafrikshini yencenyé lefakwe umbala.



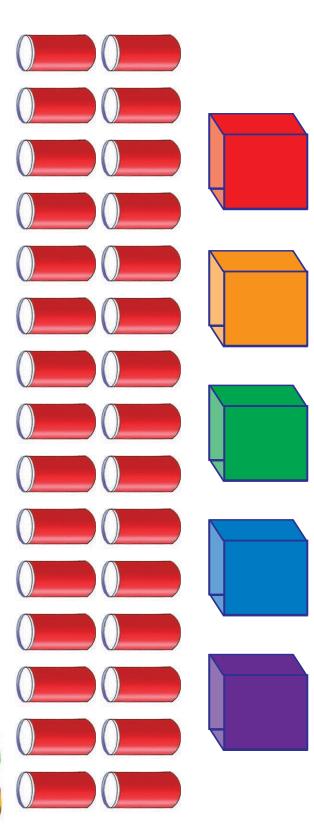
Kipilitela ifrakishini lenkhulu.

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

$\frac{1}{3}$
$\frac{1}{6}$
$\frac{2}{6}$

## Emafrakishini: boncenyehhanu

Yaba tiikotela emabbokisini.



- Ku-  $\frac{1}{5}$  emabbokisi kunetikotela letingu
- Ku-  $\frac{2}{5}$  emabbokisi kunetikotela letingu
- Ku-  $\frac{3}{5}$  emabbokisi kunetikotela letingu
- Ku-  $\frac{4}{5}$  emabbokisi kunetikotela letingu
- Ku-  $\frac{5}{5}$  emabbokisi kunetikotela letingu

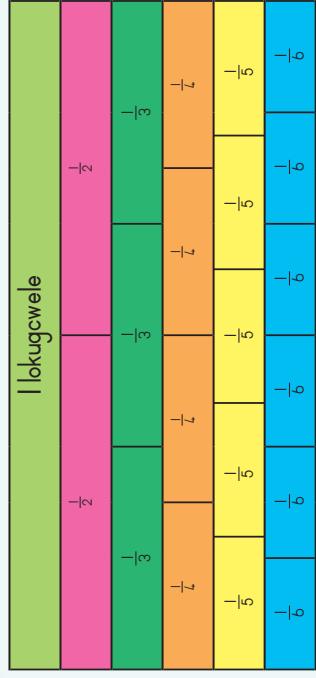
Buka titifombe bese uphendvula imibuto.

Mangalhi emashokoledi ebhokisini?

- incenge - sihlanu wemashokoledi ulingana na
- tincenye - sihlanu timbili wemashokoledi ulingana na
- tincenye - sihlanu tintsatfu wemashokoledi ulingana na
- tincenye - sihlanu tine wemashokoledi ulingana na
- tincenye - sihlanu letishhanu wemashokoledi ulingana na
- Ngadeliye lilanga ngadla  $\frac{1}{5}$  wemashokoledi. Kusele mangaki emashokoledi?



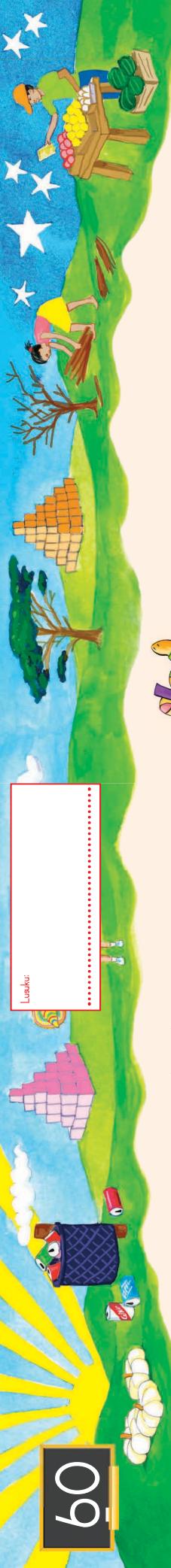
Faka umbala ku- $\frac{1}{5}$  weithuluizi lekukala.



Bukalamabhande frakishini bese uphendvula imibuto.

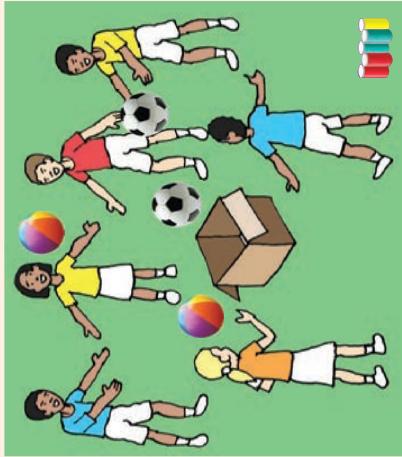
### Kipilitela lokukhulu noma lokuncane

- a.  $\frac{1}{2}$  mukhulu / muncane kuna  $\frac{1}{4}$ .
- b.  $\frac{1}{3}$  mukhulu / muncane kuna  $\frac{1}{2}$ .
- c.  $\frac{1}{5}$  mukhulu / muncane kuna  $\frac{1}{6}$ .
- d.  $\frac{1}{6}$  mukhulu / muncane kuna  $\frac{1}{3}$ .
- e.  $\frac{3}{6}$  mukhulu / muncane kuna  $\frac{2}{5}$ .



60

## Tintfo letibusontsatfu (i3D)



- Bala emabhhokisi (emaprizimu).   
Bala emabhhola (tijingiliti).   
Bala emosiliha.

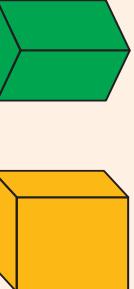


Ithemu 2

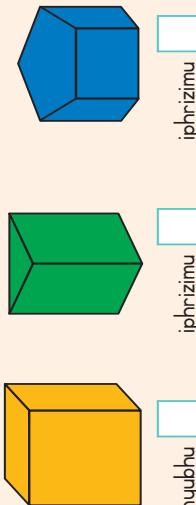


### Loku konkhe ngemabhhokisi.

Sebentisa Lokusikiwe lishadi 3 na 4 kwakha loku.



Yonkhe indzawo lesicabati kutsiwa buso. Namatselisa mandzamandza munye ebusweni ngabunye kulamabhhokisi. Bungakhi buso lonamatselise kubo:



ilhyubhu  iphrizimu  iphrizimu  Buso bemaprizimu bulucabati noma bujindilinga?



Njalo - ke yakka umboshongo loku lokusikiwe lishadi 4.

Buso besilinda bulucabati noma bujindilinga?

Sebentisa tintfo takho kwakha loku lokulandzelako.

Sebentisa emaggama kuchaza simondzawo sesilinda.

ngetulu

ngembili

ngaseluhlangotsini



Sebentisa emaggama langentasi kucedzela lemisho

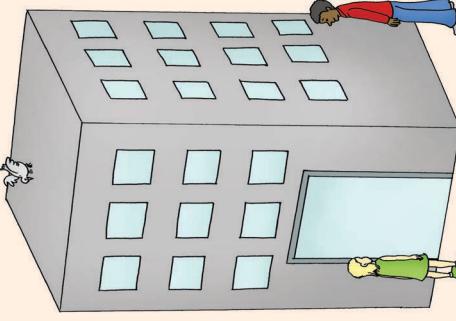


Intfombatana ibuke  kwesakhiwo.

Indodza ibuke  kwesakhiwo.

Ingeni ibuke  kwesakhiwo

eceleni  ngetulu  ngembili



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

Teacher:  
Sgn:  
Date:

b1

## Kuphindza nehhafu

Usakhumbula?

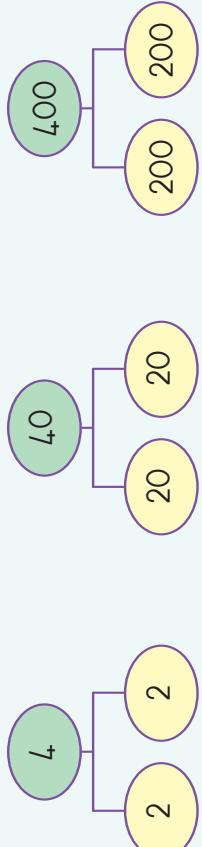
ku-2 ujhafu ya-4

ema-20 ujhafu ye-40

ema-200 ujhafu ye-400

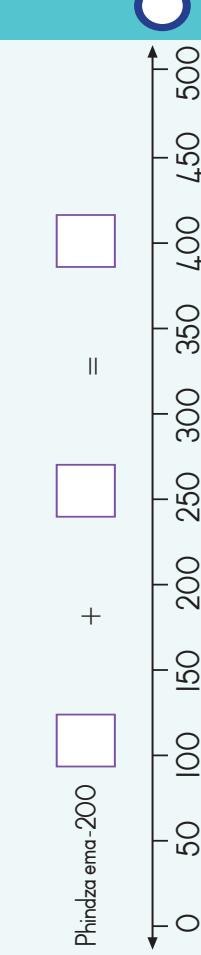
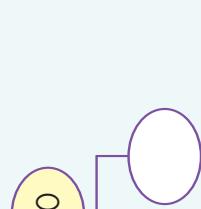
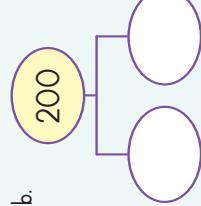
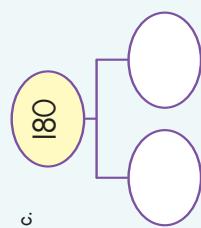
ema-400 kuphindwe ema-200

Khumbulai Singakukhombisa lokunu ngekudwewba umdwewebo ...



Kutfolia bohhafu

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



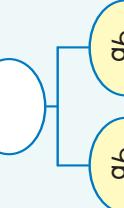
Sibonele:	Phindza ema-40	Phindza ema-40	80
Phindza ema-40	$\boxed{40}$	$\boxed{40}$	$= \boxed{80}$
Phindza ema-60	$\boxed{\phantom{00}}$	$\boxed{\phantom{00}}$	$= \boxed{\phantom{00}}$
Phindza ema-150	$\boxed{\phantom{00}}$	$\boxed{\phantom{00}}$	$= \boxed{\phantom{00}}$
Phindza ema-200	$\boxed{\phantom{00}}$	$\boxed{\phantom{00}}$	$= \boxed{\phantom{00}}$

a. Hhafula 220	b. Hhafula 180	c. Hhafula 260
d. Hhafula 60	e. Hhafula 320	

b2

## Kuphindza kabilii nehhafu kuyachubeka

Tfola lokuphindwe kabilii nobe emahhafu

- a.   134  73  166  148
- b.   148  73  166  134
- c.   qb  q6  qb  qb
- d.   qb  q6  8q  8q

### Kongela libhajisikili.

Peter wonga ema R25 ngelihiki kutseenga libhajisikili.  
Kumele onge emaviki lamangakhi?

Emaviki  
Imphendulu:

### Endalini

Tonkhe letintfo titesengiswa ngelhafu yentsengo.  
Bhalo lentsengo eceleni kwentsfo ngayinje.

- a.   Tingubo R190  Intsengo yekutsengisa \_\_\_\_\_
- b.   Emashidi R154  Intsengo yekutsengisa \_\_\_\_\_
- c.   Imicamelo R54  Intsengo yekutsengisa \_\_\_\_\_

## Mangakhi emarandi?

Musa ufunfa lelinembe. Unehhafu kuphela yelimani.  
Usadzinga malini? R \_\_\_\_\_



R135

R78,50

Ticatfulo taPeter tibita lokuphindwe kabili kwendulela.  
Ngabe ticatfulo taPeter tibita malini? R \_\_\_\_\_

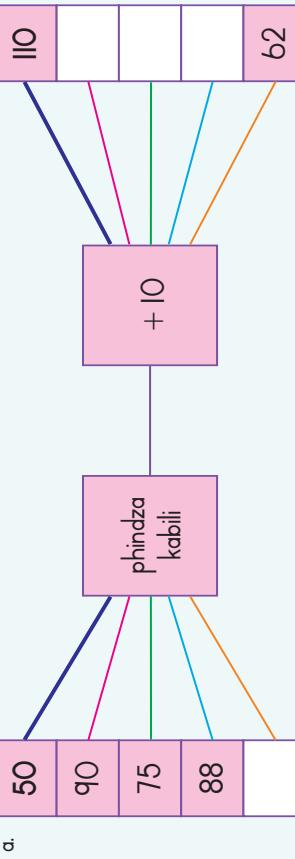


R97

Liloko laPhindi liphindza kabili intsengo yaleli.  
Ngabe lilokwe laPhindi libita malini? R \_\_\_\_\_

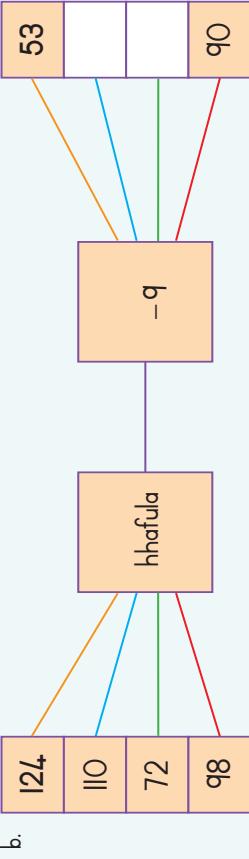


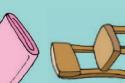
Yini lengenako? Yini lephumako?  
Landzela lesibonele. Gewala tinombole letingekho.



**Indali R450**  
Intsengo lehhafu liwe:  
beyingu R900

Emaviki  
Imphendulu:



b.   Emashidi R154  Intsengo yekutsengisa \_\_\_\_\_

c.   Titulo R220  Intsengo yekutsengisa \_\_\_\_\_

Itthemu 2

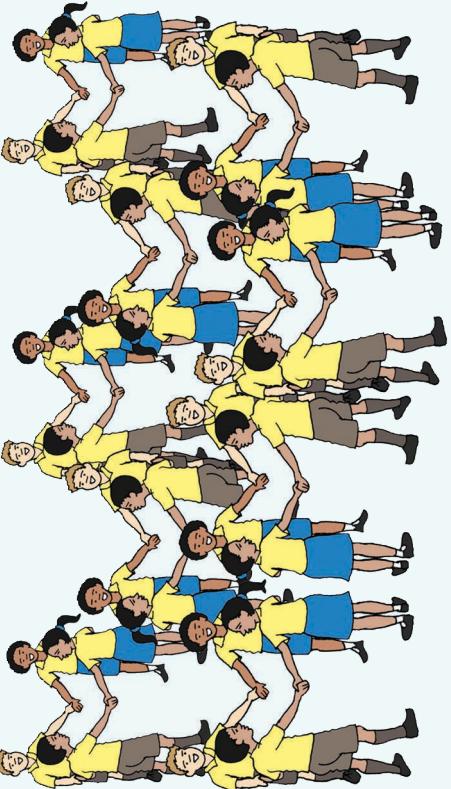
Teacher:  
Sgn:  
Date:

## Butsisa bese uyahlanganisa

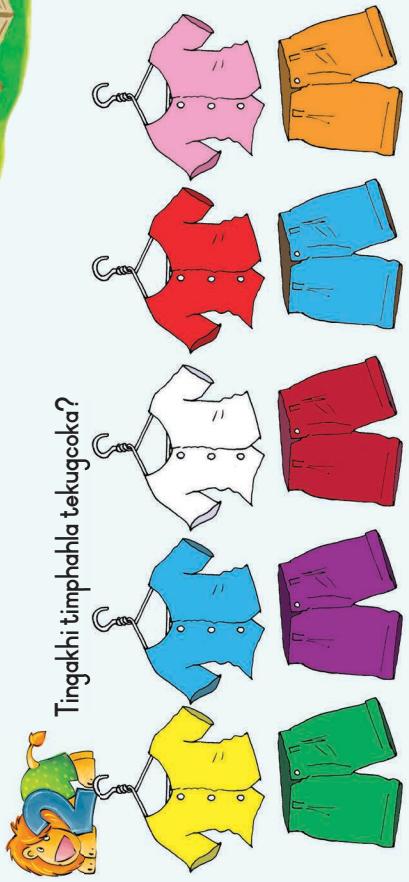


Bekandzawonye labantfwanza

Nkhs Ndaba ufuna kwehlukana likilasi ngemacembu ebukhulu lobulinganako kutewudla ngaphandile. Kwekucala ubabeka ngemacembu alidba -4.



Itthemu 2



Tingakhi timphahla tekugcoka?

Phindi unemahembe lasi-5 emibala kanye nemabhlukwana lasi-5 emibala.  
Tingakhi timphahla tekugcoka letehlukene langatentia  
ngekussebentisa tinhlanganisa letehlukene temibala?

Sibonelo: Lihembe leitingangane/emabhlukwana lalingangane. Lihembe leitingangane/  
emabhlukwana laliputi.

Bhalaluhlavu uwekucala lwembala ngamunye. Khombisa tonkhe timphahla letingaba khona.

- Bangakhi labantfwanza?
- Nkhs Ndaba wokhe mangakhi emacembu?
- Tjengisa tonkhe letinje tindela tekubabutsanisa ngemacembu lalinganako.

Buka. Catsanisa.  
Lungisa.

Cagela: Yini letawenteké umangabe Phindi anemdhembe kanyu nemabhlukwana lasi-6 emibala  
leyehlukene?  
Angenta timphahla tekugcoka letingakhi?

Buka. Catsanisa.  
Lungisa.

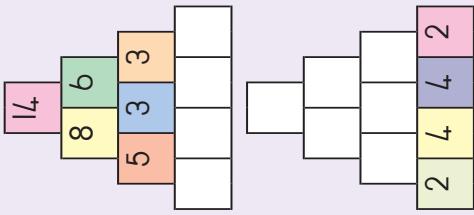
## Kutjābulisa ngetibalo

Tfola umtsetfo

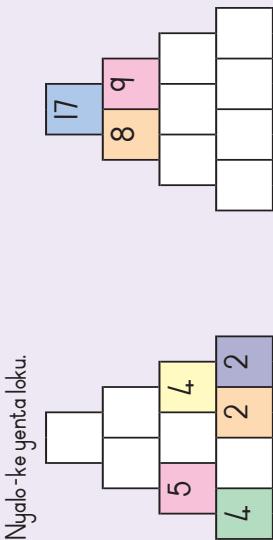
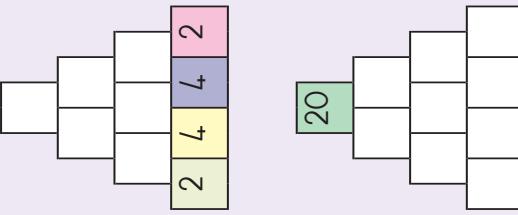
Sebentisa lomtsetfo kutfola tinombolo letingekho.



Lusuku:



Nyalo-ke yenta loku.



b4

Itthemu 2

Kutfola tinombolo

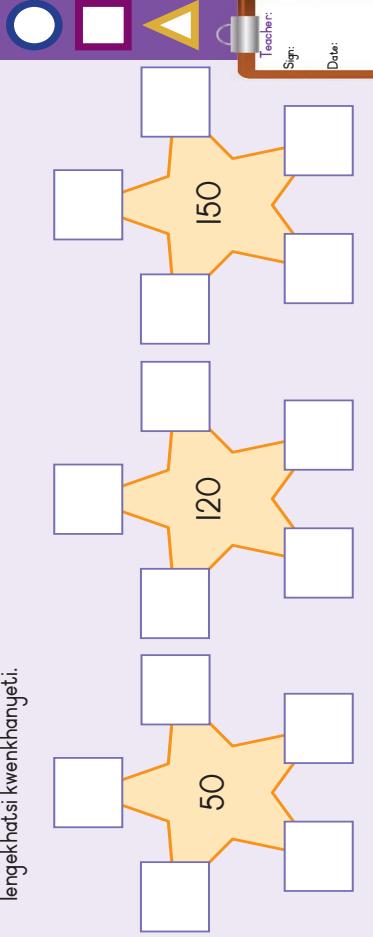
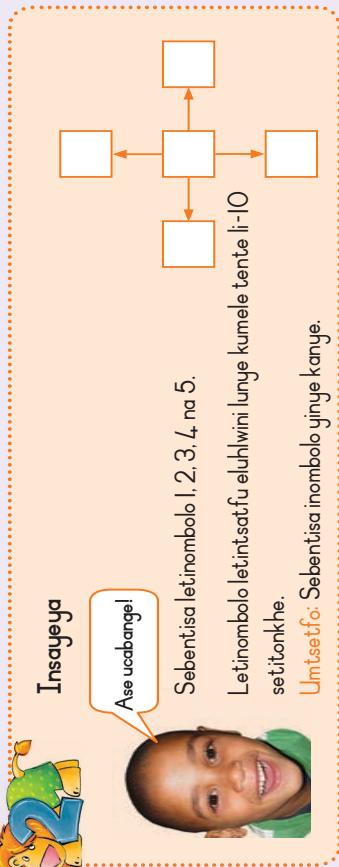
a. Umtsetfo: Tinombolo eluhleni ngalunye kumele tihlangane takhe li-16.

2	5	3	6
		2	

b. Umtsetfo: Tinombolo lieti-3, kuvunda nekuya phasi, tihlangana tenté ithothali lefanako.

23	28	21
12		26
	3	8
	10	

c. Umtsetfo: Bhala noma ngutphi tinombolo lieti-5 letihlangana takhe inombolo lengkhatsi kwenkhanjeti.



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	0	2	0	0
3	3	0	3	0	0
4	4	0	4	0	0
5	5	0	5	0	0
6	6	0	6	0	0
7	7	0	7	0	0
8	8	0	8	0	0
q	q	0	q	0	0

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

