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iNdvuna yeMfundvo yeSisekelo



UMnu Enver Sury,
Liphini leNdvuna yeMfundvo
yeSisekelo

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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 Suryt.

LeTincwadzi Tekusebentela takaRainbow tiyincenze yemitamo yaleLitiko leTemfundvo yeSisekelo yekutfutfukisa bafundzi baseNingizimu Afrika emabangeni ekucala lasitfupha ekufundza. Njengalomunye wemigomo lehamba embili eLuhlelweni lweKusebenta lwaHulumende. lomsebenti ukhokhelwe ngesihle Silulu seTimali saVelonkhe. Ngenca yalokusekelwa ngetimali, leLitiko leTemfundvo liphumelele kwakha letincwadzi ngato tonkhe letilwimi letisemtsetfwani kulelive.

Siyetsema kutsi bothishela batatifola tilusito kakhulu letincwadzi tekusebentela basafundzisa malanga onkhe kute bafundzi bakhone kucedza luhlelo lwabo lwekufundza. Setame, ngekucopehela lokukhulu, kusita thishela kuleyo naleyo ncenye yemsebenti, ngekusebentisa timphawu letitifombe kukhombisa umfundzi loko lokumele akwente.

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

Sifisela bothishela nebfundzi imphumelelo basachubeka nekusebentisa letincwadzi tekusebentela.



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TIBALO NGESISWATI – Libanga 3 Incwadzi |



Libanga 3

Ligama:

Likilasi:



Incwadzi 1
Emathemu
1 & 2

LOKUCUKETFWE

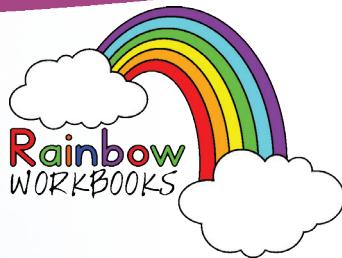
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2	Kubala ngekuhlakanipha	4
3a	Tinombolo ebhodini lelikhulu	6
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4	Tikhundla	10
5	Kuhlanganisa nekususa	12
6	Kuphindza kibili nekuhafula	14
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Inombolo	Sihloko	Likhasi
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43	Umgomo 400	100
44	Kukala	102
45	Umgomo 500	104
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	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:

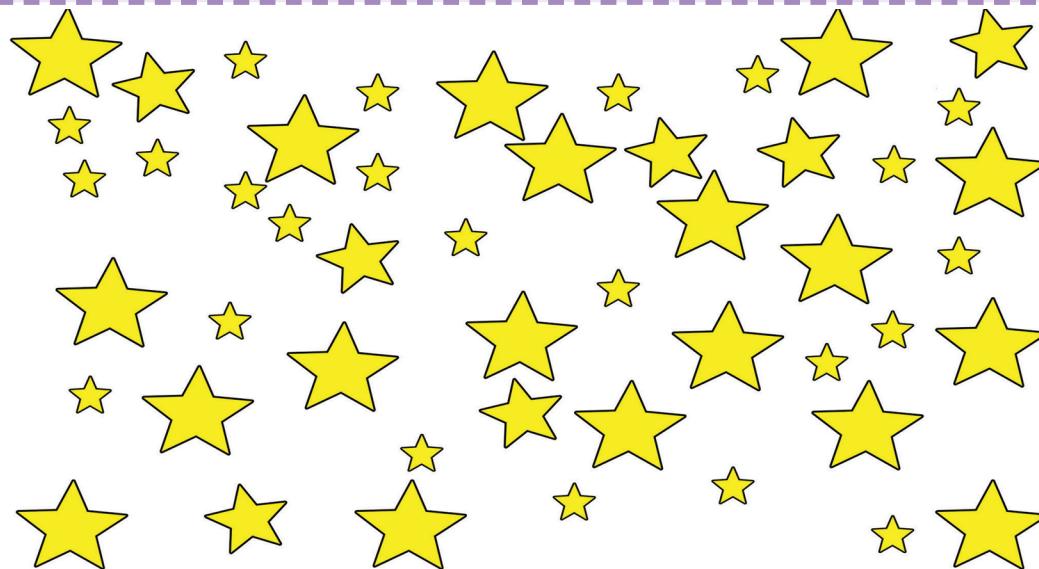


Ithemu |



Tingakhi tinkhanyeti?

Catsanisa timphendvulo.



Linganisa kutsi tingakhi tinkhanyeti. _____

Nyalo tibale. _____



Tfola lophumele!

Ngubani lolinganise kancono? Gcwalisani emagama enu netimphendvulo kulelithebula.

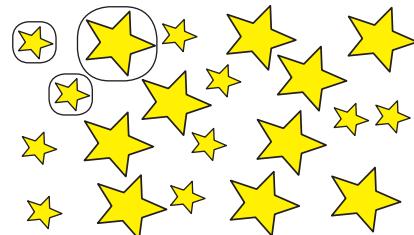
Ligama				
Linganisa				
Inombolo lebaliwe				
Umehluko emkhatsini wekubekisa kwakho nekubala kwakho				



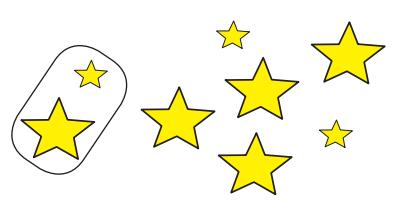
Tindlela tekubala. Sisite kutibhala phansi.



Ngibale ngaku-1
ngaku-1.



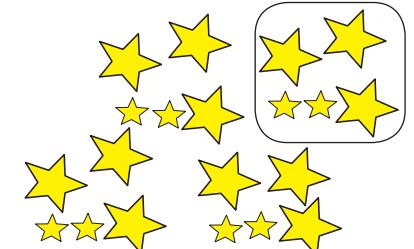
1, 2, 3, _____



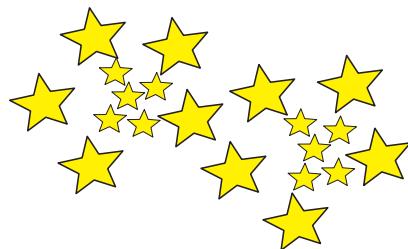
Ngibale
ngaku-2.



Ngibale
ngeti-5 ngase



5, _____



Ngibala
ngema-10.



Bhala imishotinombolo

Bala samba selinani letinkhanyeti letinkhulu naletincane esitfombeni ekhasini 2.

Kukhulu

Kuncane

ngalendlela

nobe

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

futsi njengemushonombolo.

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

$$nobe \quad \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

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

Uma uhlanganisa nobe ngutiphi
tinombolo letimbili akukhatsaleki
kutsi tihleleke njani.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

2

Lusuku:

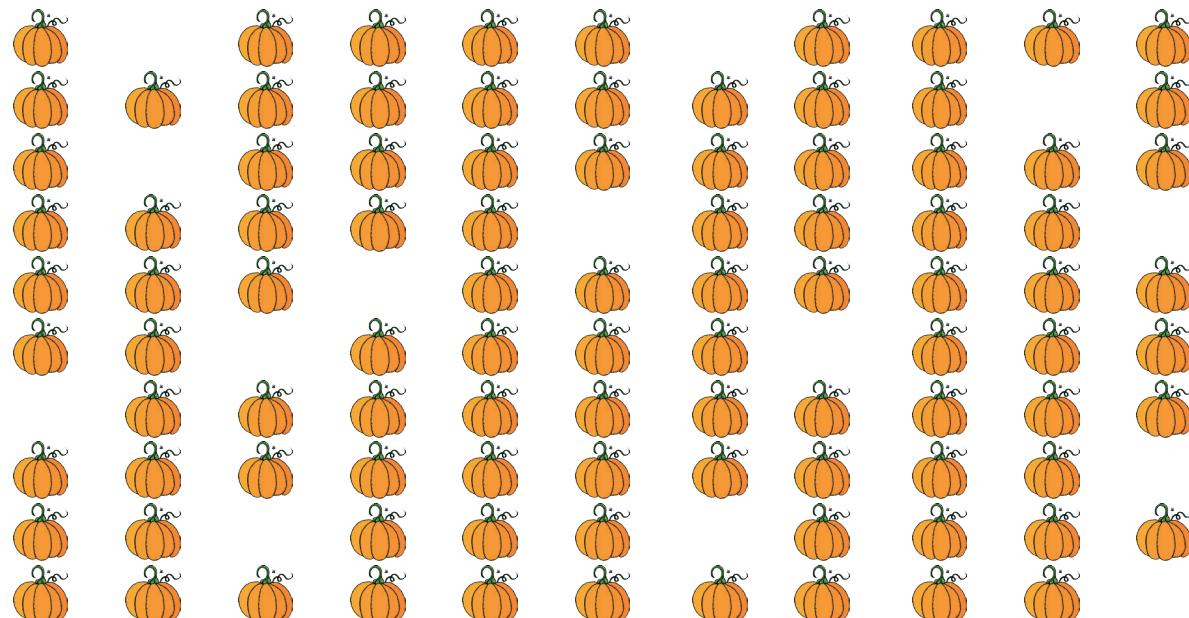
Ithemu |



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 × (kuhlanganisa kuye kukuphindzaphindza)

Cedzela lemishonombolo.

Sibonelo:

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



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

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

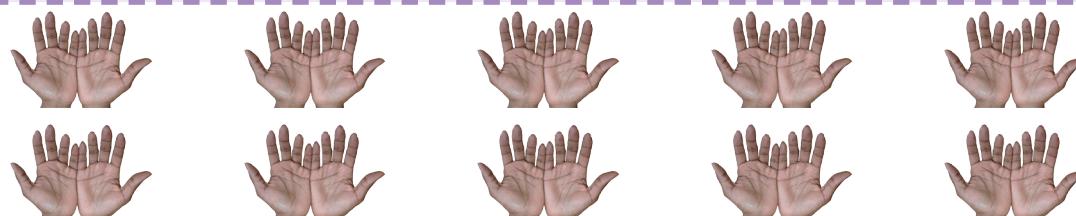


b. $10 + 10 + 10 + 10 + 10 + 10 + 10 = \underline{\hspace{2cm}}$

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



Tandla neminwe



Tingakhi tandla? Mingakhi iminwe?

Bhala imphendvulo yakho ngetindlela leti-2.

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



3a

Lusuku:

Ithemu |



Kukhuluma tinombolo

Bala uphindze usho tonkhe letinombolo kusuka ku 1 – 100. Khomba njengobe uhamba.

I	2	3	4	5	6	7	8	9	10
II									
						27			
			34						40
41									
				55					
		63							
71									
					86				
			94						100



- Bhala inombolo lengekho esibayeni lesilingangane ngasinye.
- Bhala naleletinye tinombolo.
- Luhlobo luni lwetinombolo letinombolo letimtf ubi?



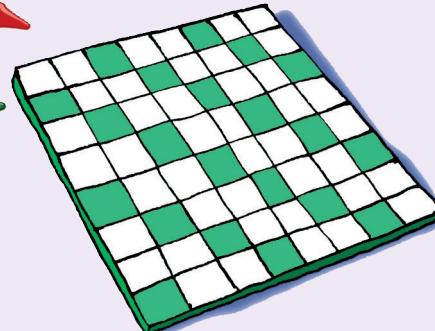
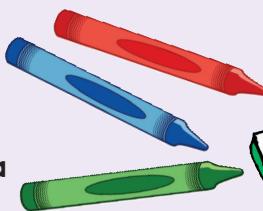
Bhala letinombolo ngemagama.

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

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

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

Bala 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: _____

11 12 13 14 15 16 17 18 19 20

3b

Lusuku:

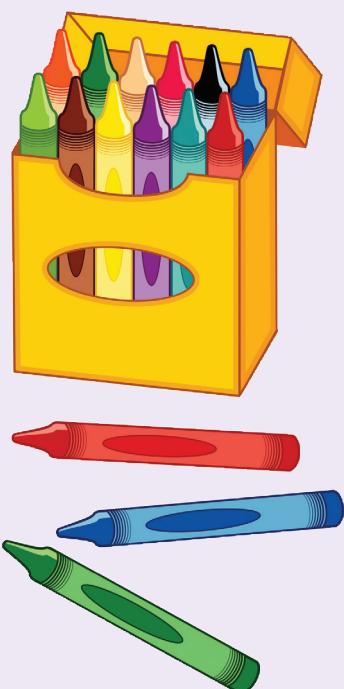
Ithemu |

Tinombolo kugridi (siyachubeka)



Buka emaphethini

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



Faka lumphawu (✓) kuwo onkhe ema-10.

Faka siphambano (✗) kuto tonkhe ti-5

Kipilitela (○) bonkhe bo-2

Bhala tinombolo letingena kuphethini yaku-2 nakuphethini yeti-5.



Emaphethini ekubala

Gcwalisa 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





Lusuku:

Ithemu |



Khombisa tinombolo takho.

Ngcovota lamakhadi etinombolo kusuka lokujutjiwe l.
Sebentisa lamakhadi kwakha letinombolo.

19

43

69

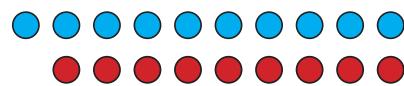
54

35

10
q



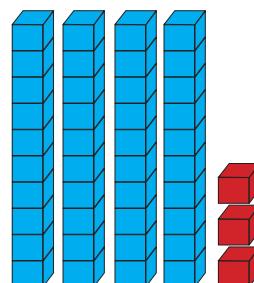
19



10
q

$$10 + 9 = 19$$

43



10
10
10
10
3

$$40 + 3 = 43$$

Ase utentele letinombolo usebentise lokujutjiwe l.

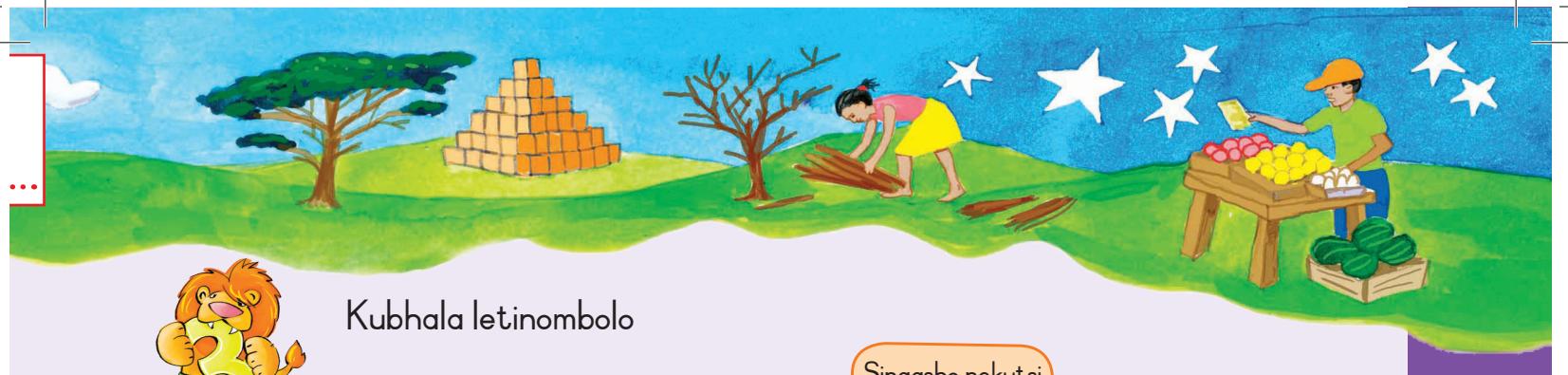
54

35

69

10

1 2 3 4 5 6 7 8 9 10



Kubhala letinombolo

Sikwentele yekucala

Singasho nekutsi
q wabo l.

Iq	$10 + q$	$1 \text{ Lishumi} + q \text{ emayunithi}$	Lishumi nemfica
43			
69			
54			
35			
21			
73			
44			
32			
89			
17			
95			
56			
68			
67			



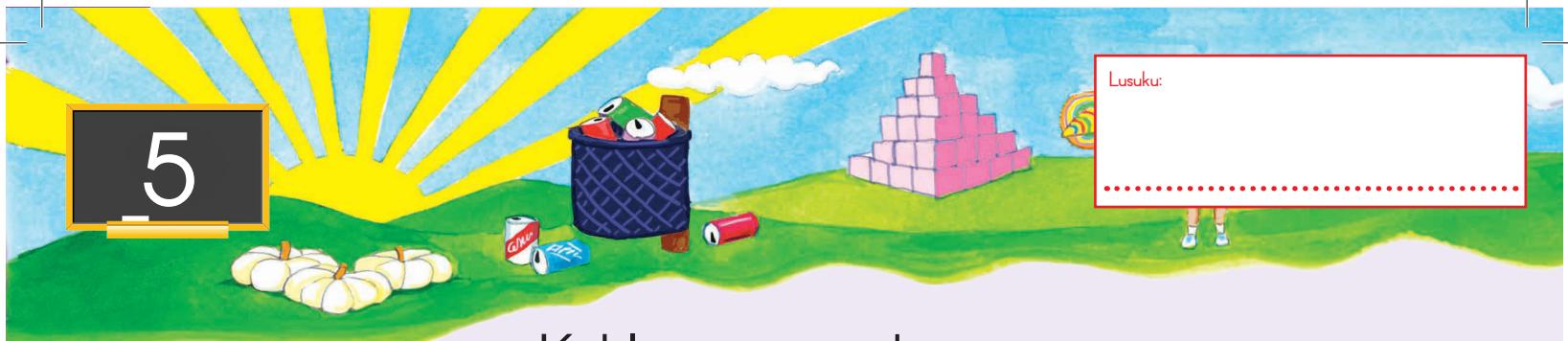
Bhala tinombolo tekucala letisihlanu ngeluhla kusukela kulencane
kakhulu kuya kulenkulu kakhulu.

_____ ; _____ ; _____ ; _____ ; _____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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.

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



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.

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



Ungayit folo yini yonkhe iminden - nombolo ya I4?

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



Ngitawenta njalo
nange-I2

I2

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



II I2 I3 I4 I5 I6 I7 I8 I9 20

6

Lusuku:

Ithemu |

Kuphindza kibili nekuhhafula

Uyakhumbula?

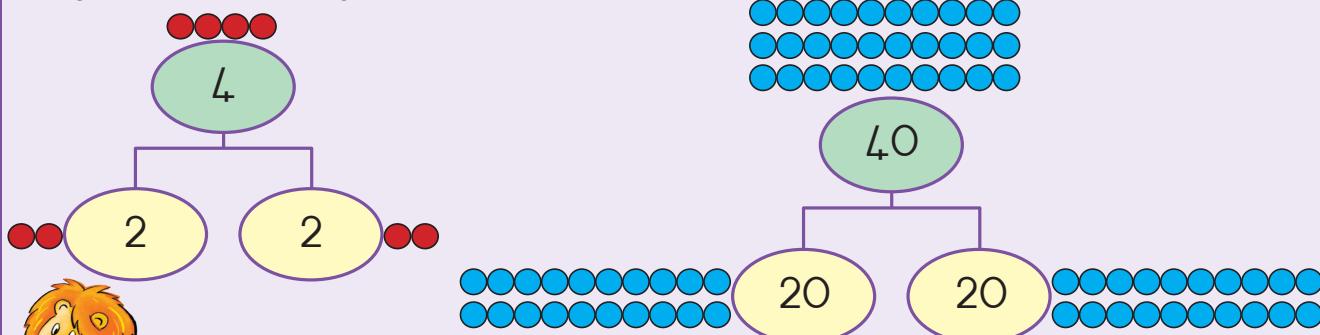
2 yihhafu ya-4

4 kuphindza kibili ku-2

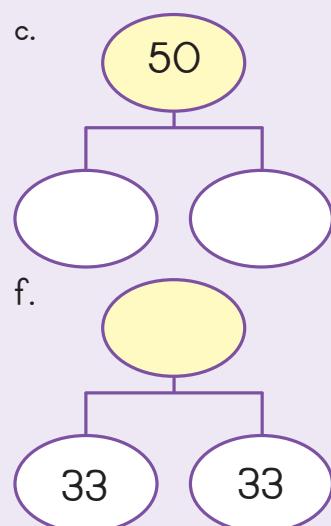
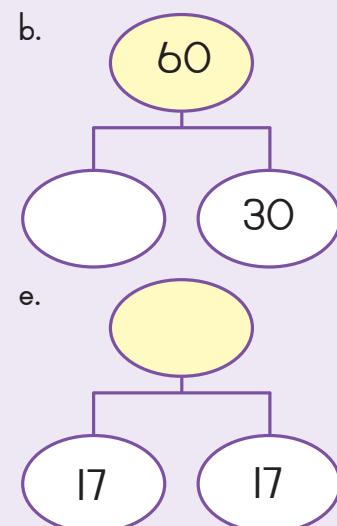
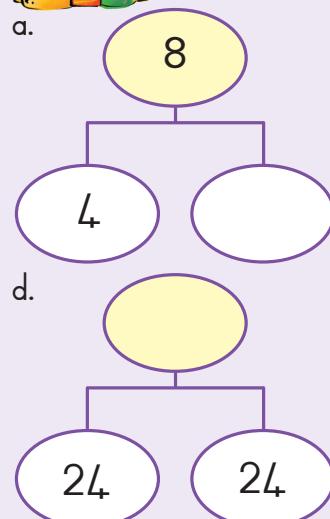
20 yihhafu ye-40

40 kuphindza kibili ema-20

Singakukhombisa loku ngekudvweba ...



Tfola letiphindvwe kibili nobe emahhafu

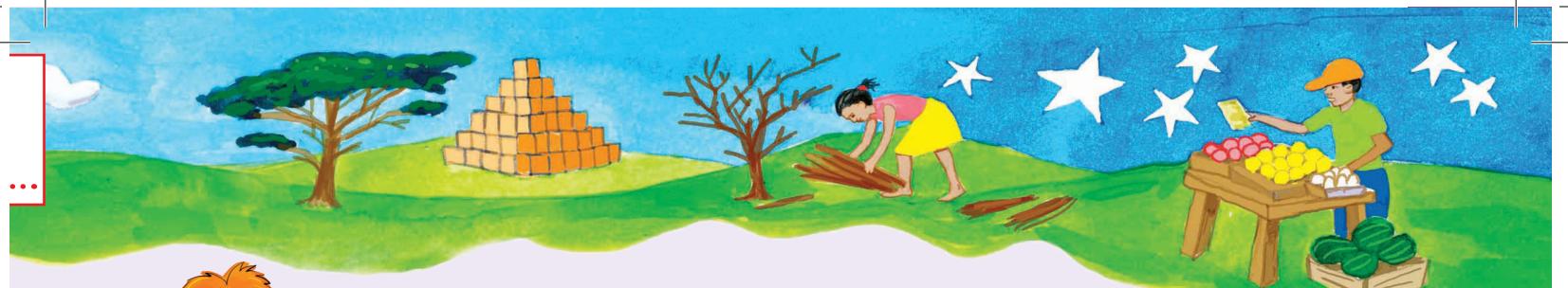


Insayeya

Tfola ihhafu ya 3.

Khombisa njengenombolo noma ligama-nombolo.

Umdvwebo ungahele ukusite.



Phindza letinombolo usebentisa imigcanombolo.
Uniketiwe sibonelo sekucala.

Phindza 4

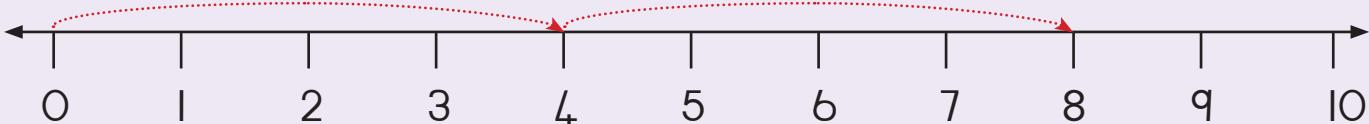
4

+

4

=

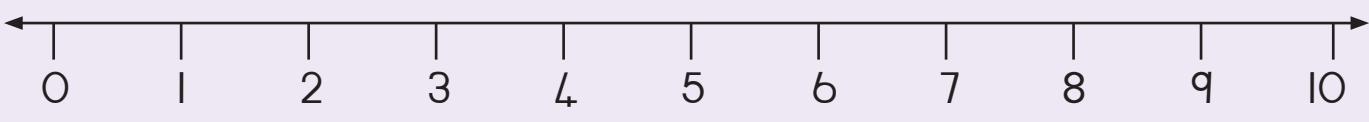
8



Phindza 5

+

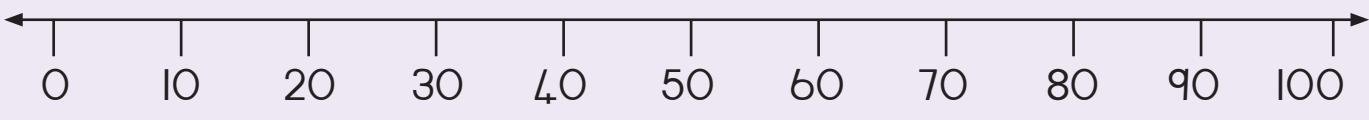
=



Phindza 20

+

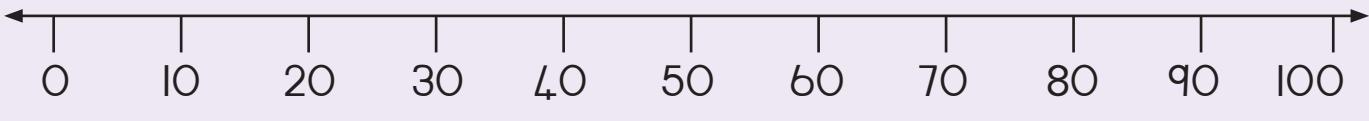
=



Phindza 40

+

=



Cedzela loku lokulandzelako

a. Phindza 1	<input type="text"/> 2
b. Phindza 6	<input type="text"/>
c. Phindza 10	<input type="text"/>
d. Phindza 30	<input type="text"/>
e. Phindza 50	<input type="text"/>



Cedzela loku lokulandzelako

a. Hhafula 6	<input type="text"/> 3
b. Hhafula 8	<input type="text"/>
c. Hhafula 14	<input type="text"/>
d. Hhafula 60	<input type="text"/>
e. Hhafula 70	<input type="text"/>



7



Lusuku:



Ithemu |

Emafrakishini

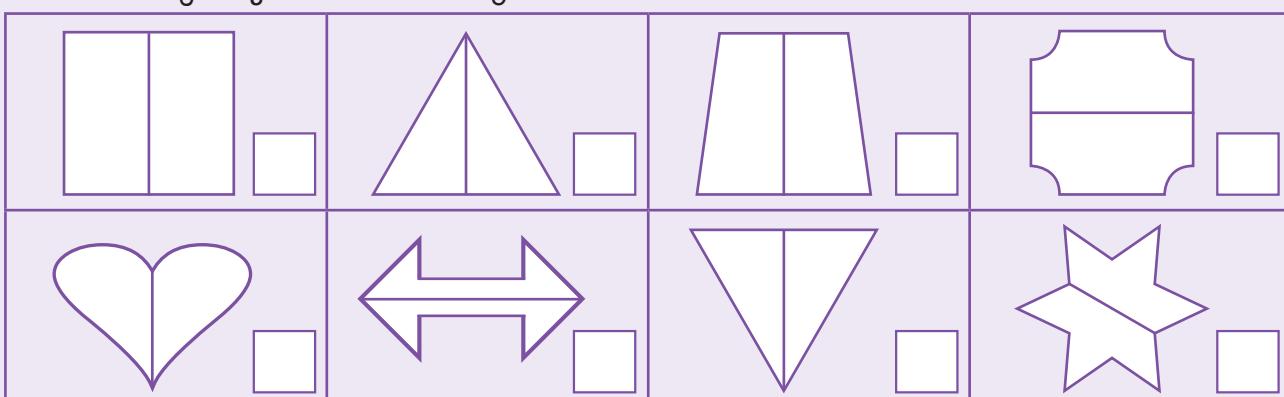
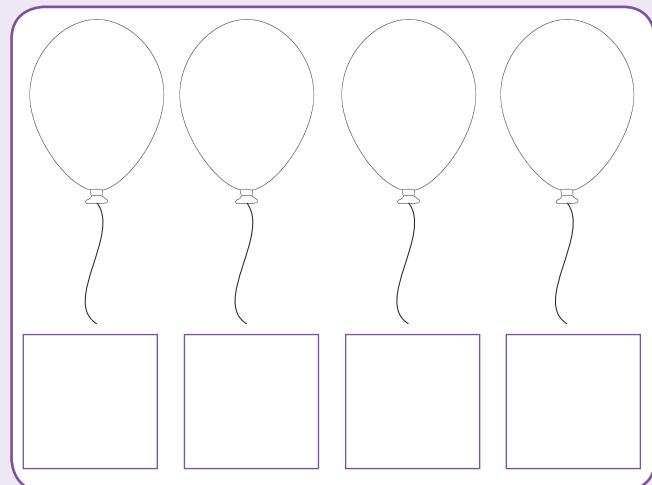
Faka umbala lobovu ekoten i yinye yemabhaluni,
kulawa lamanye ufake lolingangane.

Faka umbala lobovu ehhafini yelibhoksi ngalinye.



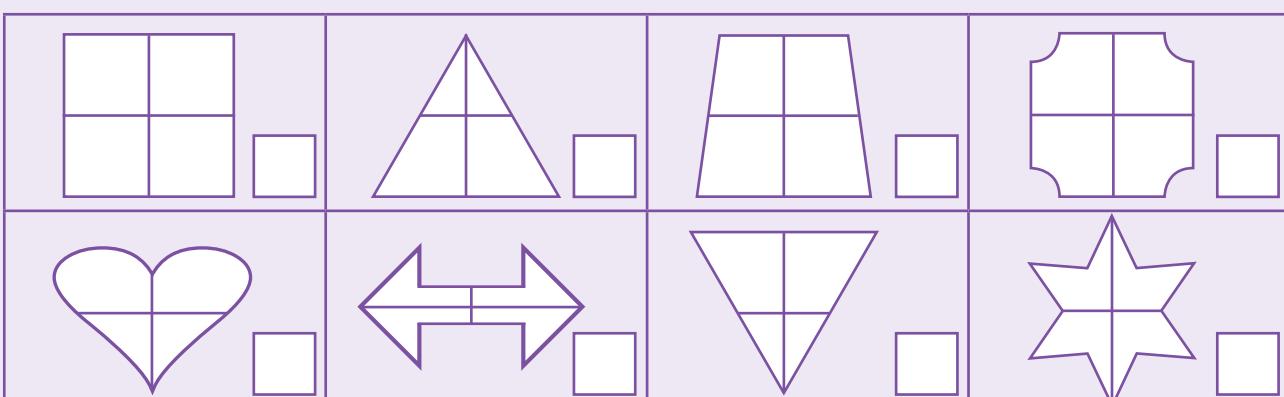
Bukisia bobunjwa. Faka lumphawu
bobunjwa labakhomba bohhafu.

Faka umbala ehhafini i yinye
yabunjwa lohlukaniswe ngabohhafu.



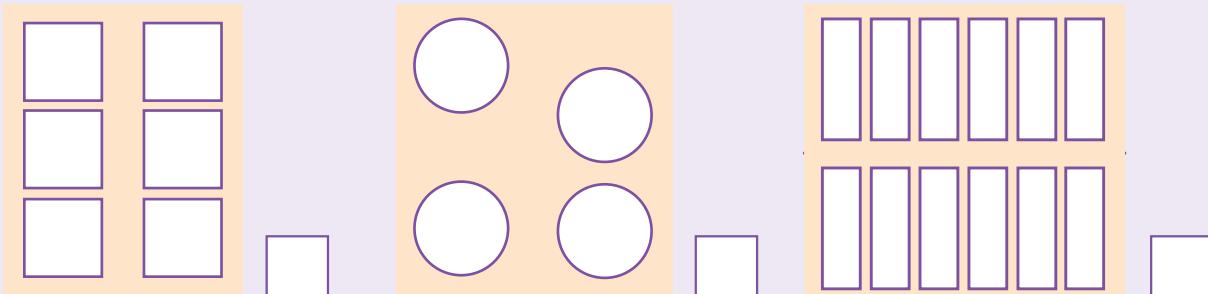
Bukisia labobunjwa. Faka lumphawu bobunjwa labakhomba emakota.

Faka umbala ekoten i yinye kuloyo naloyo bunjwa lohlukaniswe ngemakota.

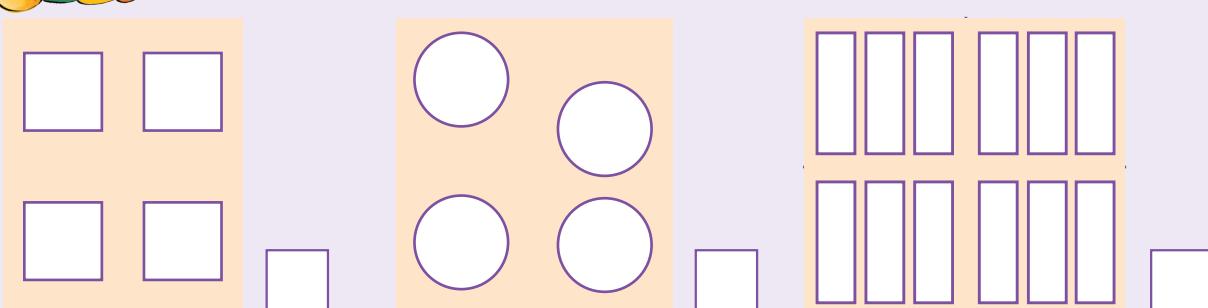




Faka umbala ehhafini yalabunjwa. Ngubani ihhafu yenombolo yalabunjwa?



Faka umbala ekoteni yalabunjwa. Ngubani ikota yenombolo yalabunjwa?



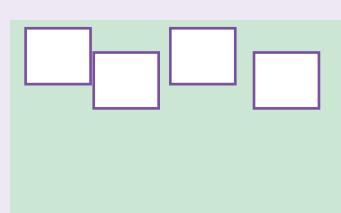
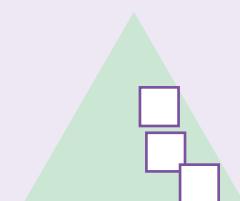
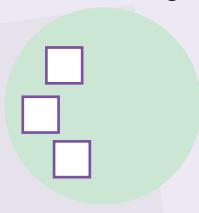
Bhala usebentisa inkomba yefrakishini.

Ihhafu

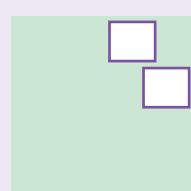
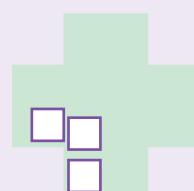
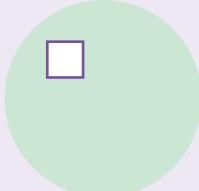
Ikota



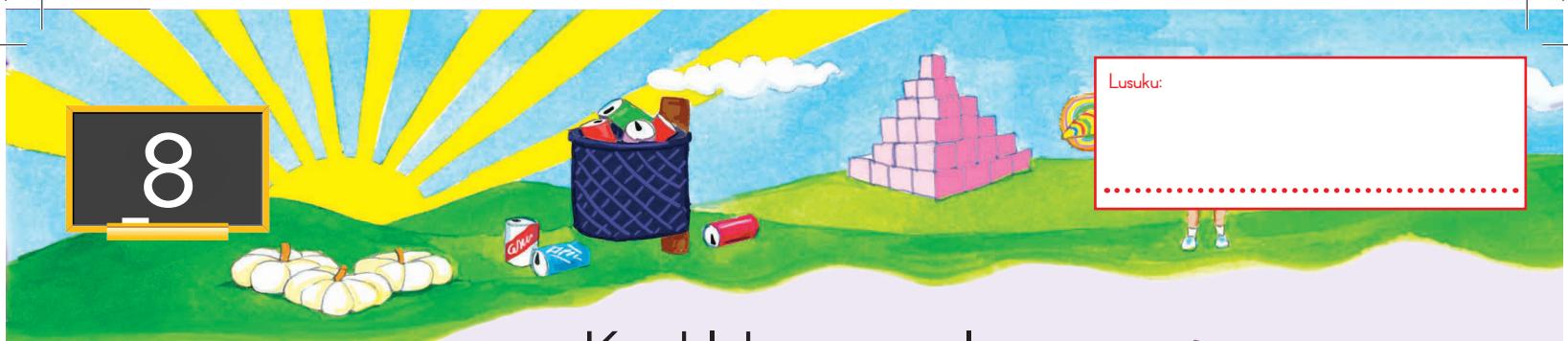
Dweba labanye bobunjwa kwenta labohhafu balingane.



Dweba labanye bobunjwa kwenta lamakota alingane.



8



Lusuku:

Ithemu |



Esitokifeleni

Make LaLubisi ubala futsi ehlukanise imali ecenjini.



Linganisa linani leliphelele. R _____

Catsanisa tilinganiso nemathothali.

Bala imali. R _____



Konga imali

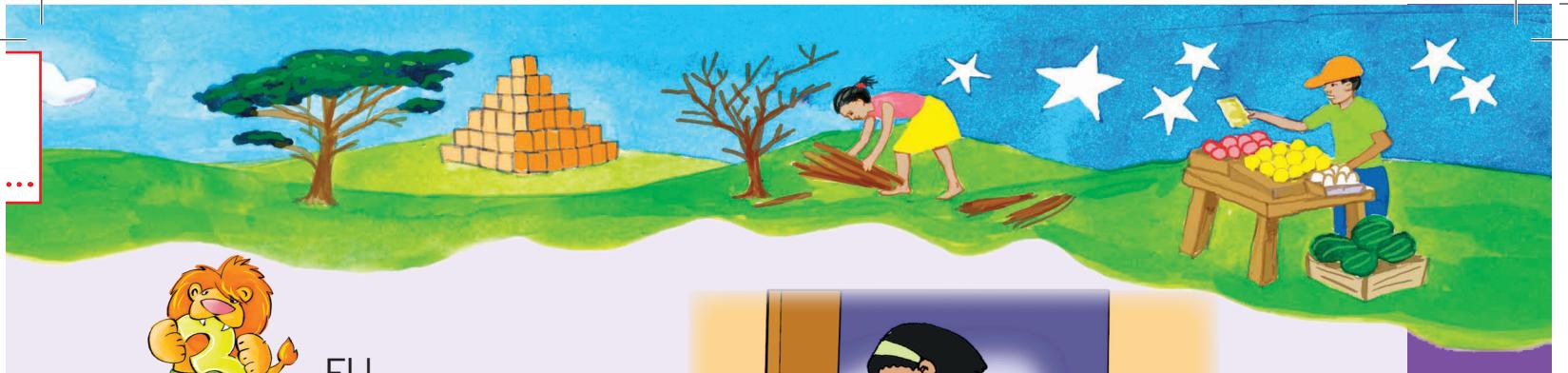
Gugu wongela emapheya eticatfulo letibita R89.

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.

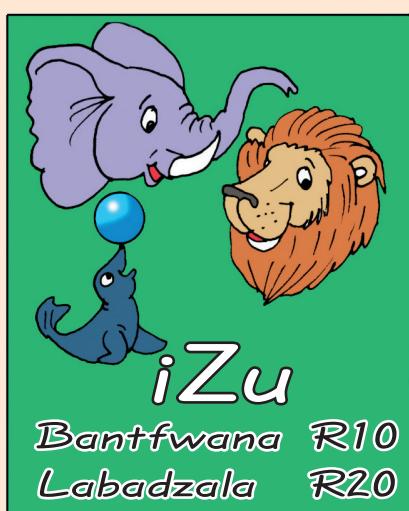
Batsenga emathikithi ngema-R90.

Bangakhi bantfwana? _____

Bangakhi labadzala? _____

Ngabe ikhona lenye imphendvulo?

Labadzala _____ Bantfwana _____





Lusuku:

.....

Ithemu |



Sebentisa lebhodi-nombolo ya 200 kuphendvula imibuto.

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	I0
I1	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50
5I	52	53	54	55	56	57	58	59	60
6I	62	63	64	65	66	67	68	69	70
7I	72	73	74	75	76	77	78	79	80
8I	82	83	84	85	86	87	88	89	90
9I	92	93	94	95	96	97	98	99	I00
I0I	I02	I03	I04	I05	I06	I07	I08	I09	I10
I1I	I12	I13	I14	I15	I16	I17	I18	I19	I20
I2I	I22	I23	I24	I25	I26	I27	I28	I29	I30
I3I	I32	I33	I34	I35	I36	I37	I38	I39	I40
I4I	I42	I43	I44	I45	I46	I47	I48	I49	I50
I5I	I52	I53	I54	I55	I56	I57	I58	I59	I60
I6I	I62	I63	I64	I65	I66	I67	I68	I69	I70
I7I	I72	I73	I74	I75	I76	I77	I78	I79	I80
I8I	I82	I83	I84	I85	I86	I87	I88	I89	I90
I9I	I92	I93	I94	I95	I96	I97	I98	I99	200



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

I05, I10, I15, __, __, __, __	87, 90, 93, __, __, __, __
36, 40, 44, __, __, __, __	I84, I86, I88, __, __, __, __
70, 65, 60, __, __, __, __	I38, I35, I32, __, __, __, __
I80, I76, I72, __, __, __, __	I4, I2, I0 __, __, __, __



Bhala tinombolo letilandzelako kuperethini ngayinye. Chubeka u fake umbala kuperethini. Yini loyibonako ngemaphethini lanembala munye?



Kubala ngesihlanu.

	5		10						

Kubala ngakubili.

2	4								

Kubala ngakutsatfu

	3	6							

Kubala ngalokulishumi

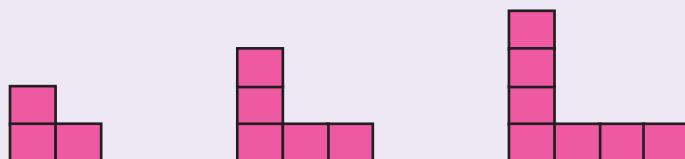
									10



Nweba lephethini









Teacher:
Sign:
Date:

10

Lusuku:

Ithemu |

Emabhola, emabhokisi nemibhoshongo



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



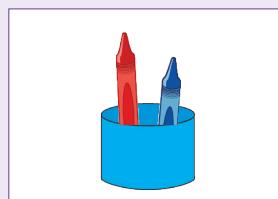
Faka umbala emphendvulweni lengiyo.



Libhokisi

kuyashelela

kuyagicika



Isilinda

kuyashelela

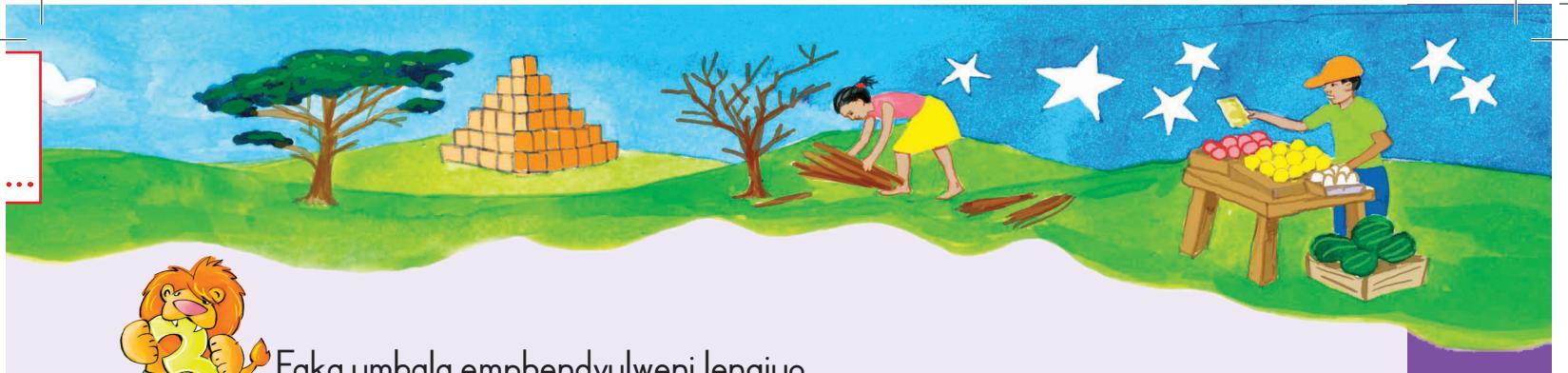
kuyagicika



Ibhola

kuyashelela

kuyagicika

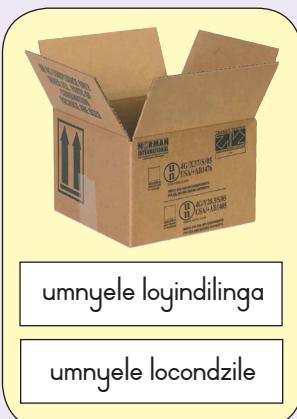


Faka umbala emphendvulweni lengiyo.



umnyele loyindilinga

umnyele locondzile



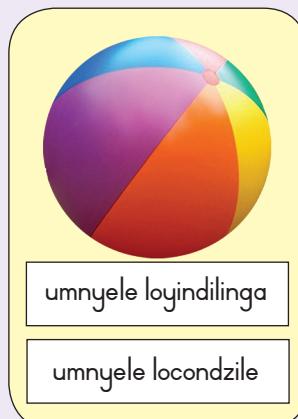
umnyele loyindilinga

umnyele locondzile



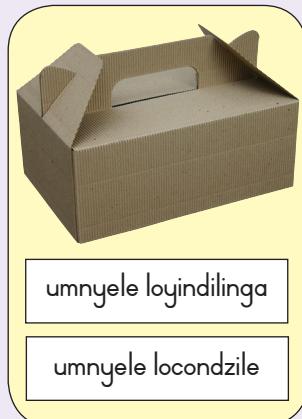
umnyele loyindilinga

umnyele locondzile



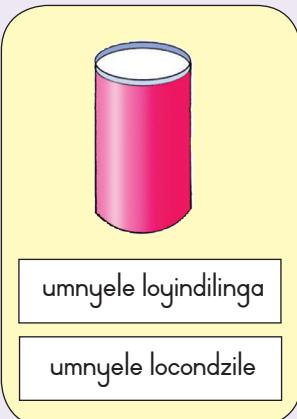
umnyele loyindilinga

umnyele locondzile



umnyele loyindilinga

umnyele locondzile



umnyele loyindilinga

umnyele locondzile



umnyele loyindilinga

umnyele locondzile

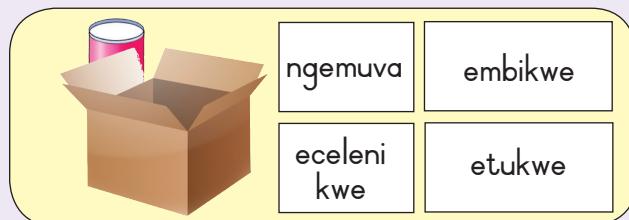


umnyele loyindilinga

umnyele locondzile



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



Teacher:
Sign:
Date:



Lusuku:



Ithemu I



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

Dvweba bobunjwa

Calantsatfu

Indilinga

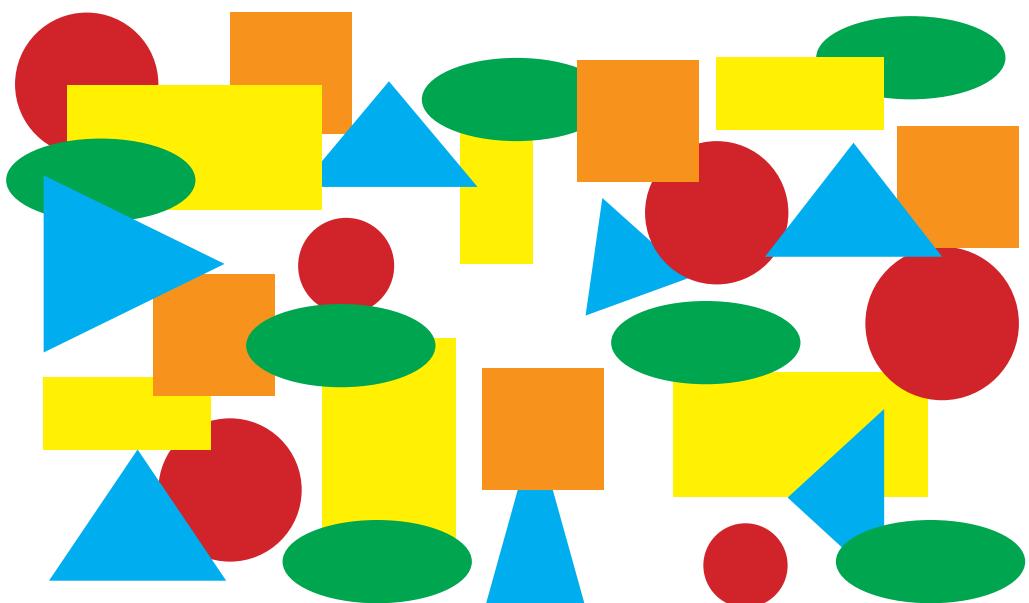
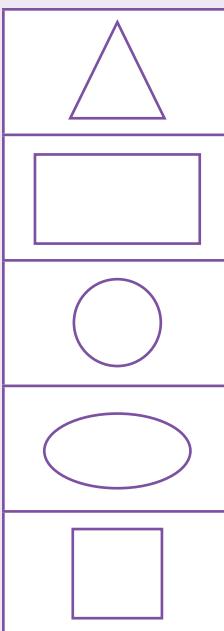
Sikwele

Calandze



Bala labobunjwa

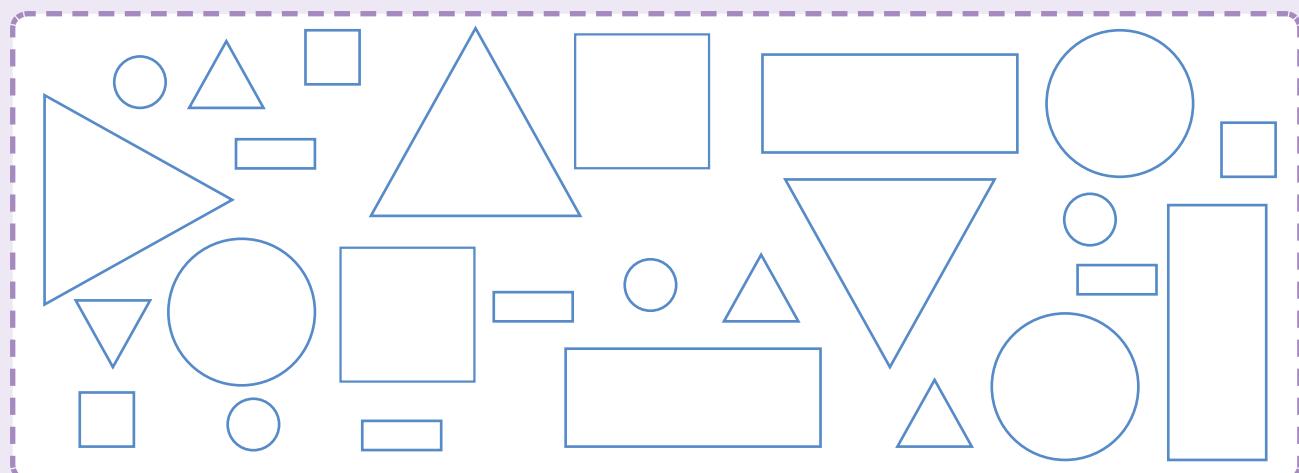
Bala kutsi bangakhi bobunjwa labafana nalona longabatfola kulesitfombe.





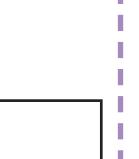
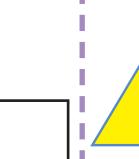
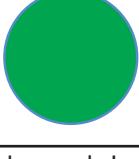
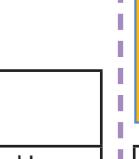
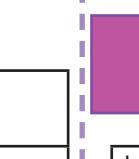
Faka umbala

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



Mangakhi emacala?

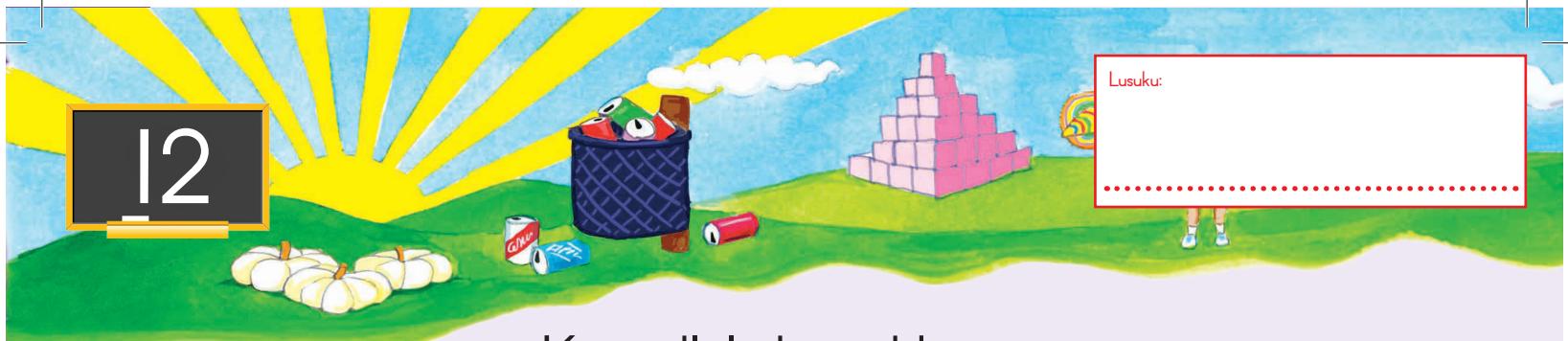
Bunjwa ngamunye unamangakhi emacala? Bhala inombolo kuleyo bhuloki. **Sikwentele kunye.**
Lamacala acondzile nobe atindilinga? Faka umbala emphendvulweni lengiyo.

 <input type="checkbox"/> kucondzile <input type="checkbox"/> indilinga	 <input checked="" type="checkbox"/> 3	 <input type="checkbox"/> kucondzile <input type="checkbox"/> indilinga	 <input type="checkbox"/> kucondzile <input type="checkbox"/> indilinga	 <input type="checkbox"/> kucondzile <input type="checkbox"/> indilinga
 <input type="checkbox"/> kucondzile <input type="checkbox"/> indilinga	 <input type="checkbox"/> kucondzile <input type="checkbox"/> indilinga	 <input type="checkbox"/> kucondzile <input type="checkbox"/> indilinga	 <input type="checkbox"/> kucondzile <input type="checkbox"/> indilinga	



Teacher:
Sign:
Date:

12



Lusuku:

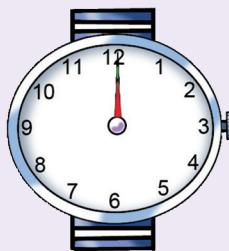
.....

Ithemu |



Fundza sikhatsi

Ngabe lamawashi akhombisa tiphi tikhatsi?



enhloko

enhloko

enhloko

enhloko



Zuba ngasewashini

Sita Gundvwanyana kubala imizuzu ngabo 5.

Cala kuli-12. Bala urike ekugcineni.



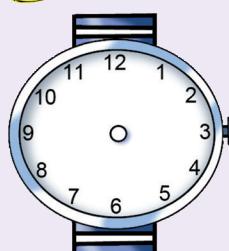
Mingakhi imizuzu loyibalile? _____

Mingakhi imizuzu e-aweni li-? _____



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? _____

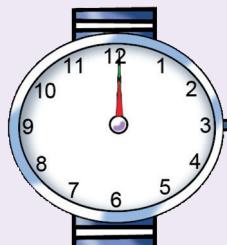


Lilanga lekubhaka

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.

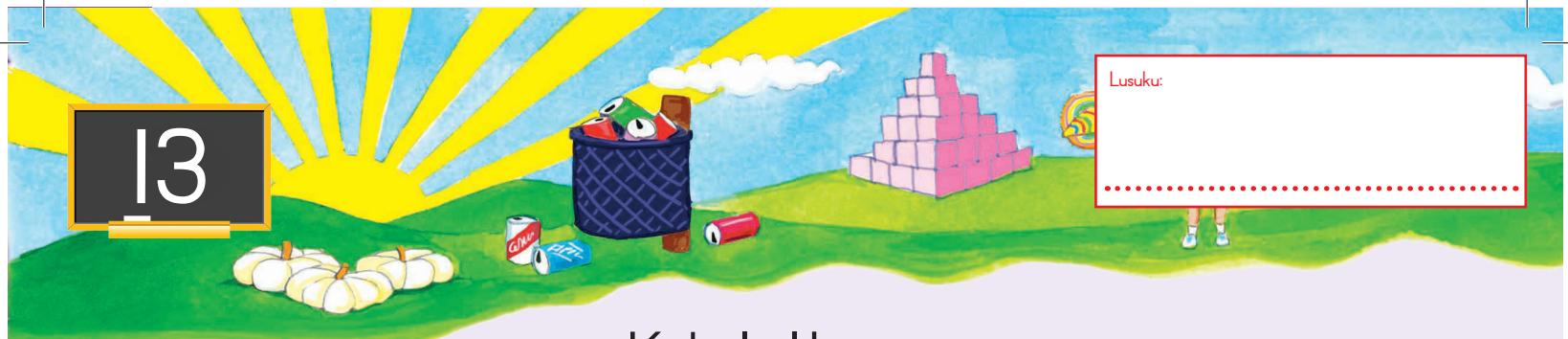


- b. Jabu utsatsa imizuzu lengema - 45 kufika esikolweni. Tumi utsatsa sikhatsi lesiphindvwe kibili kulesi. Ngabe Tumi utsatsa ema-awa lamangakhi kufika esikolweni? _____



Teacher:
Sign:
Date:

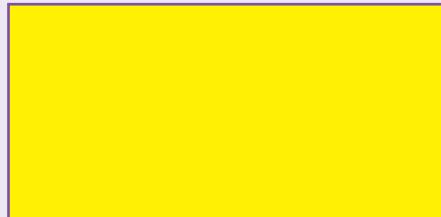
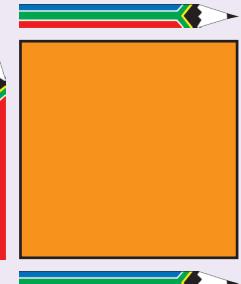
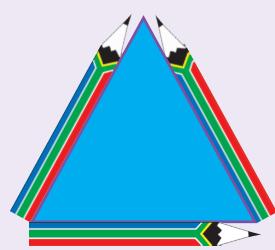
13



Lusuku:

Ithemu |

Kukala libanga



Sekawonkhe
lamacala
alocalantsatfu
angemapeniseli
lama-3 budze.



Sekawonkhe
lamacala
alesikwele
angemapeniseli
lama-4 budze.

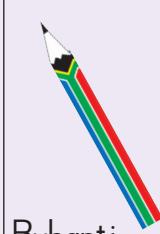


Engabe localandze
unganani budze
nebubanti?

Tingakhi tipeniseli letingangena ngebudze kulocalandze?

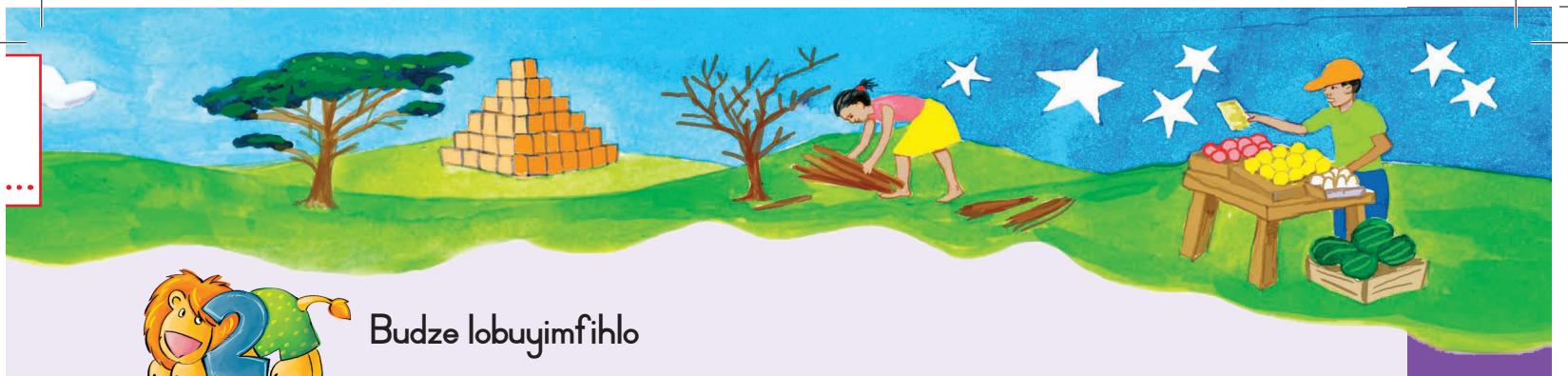
Tingakhi tipeniseli letingangena ngebubanti kulocalandze?

Budze



Bubanti

Utisebentise kanjani tipeniseli kubala?

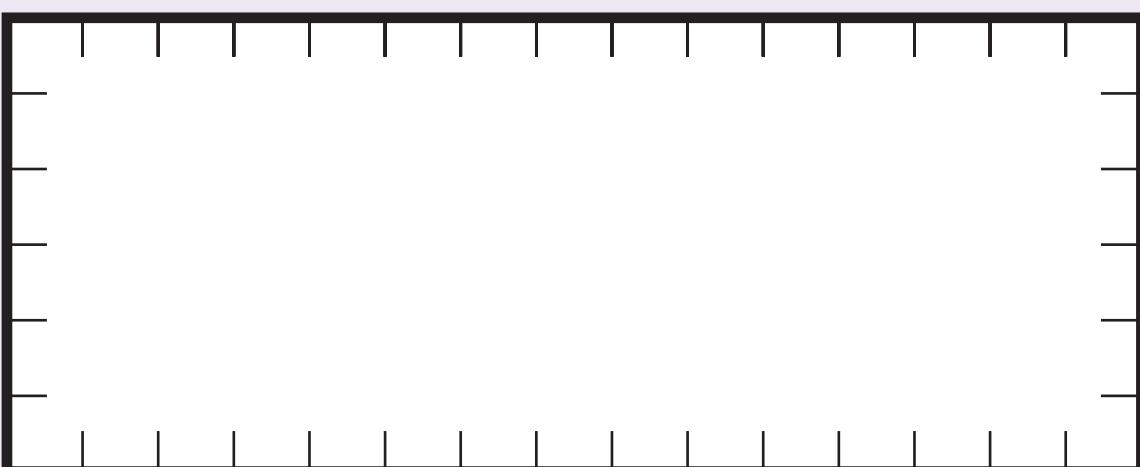


Budze lobuyimfihlo

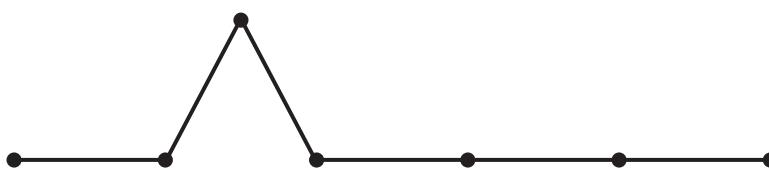
a. Mingakhi imigca lebovu loyidzingako kumbonya lomugca lomnyama?



b. Mingakhi imigca lebovu loyidzingako kuhamba ugegelete wonkhe localandze?



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



Imphendvulo _____

Kungani? _____



14



Lusuku:

Ithemu |



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

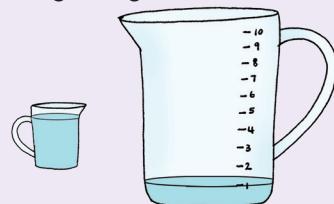
Kusele tingakhi tinkomishi temanti kutsi lesikotela sigcwale?



Tingakhi tinkomishi temanti letikulesikotela?

Sidzinga tingakhi tinkomishi kutsi sigcwali lelikotela?

a.



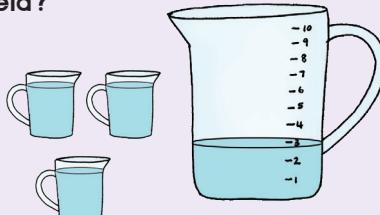
Esikoteleni

1

Sidzinga lokungetulu

9

b.



Esikoteleni

Sidzinga lokungetulu

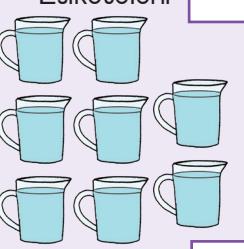
c.



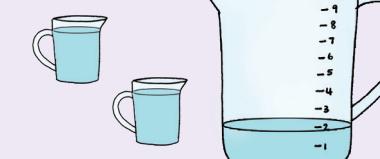
d.



e.



f.



Esikoteleni

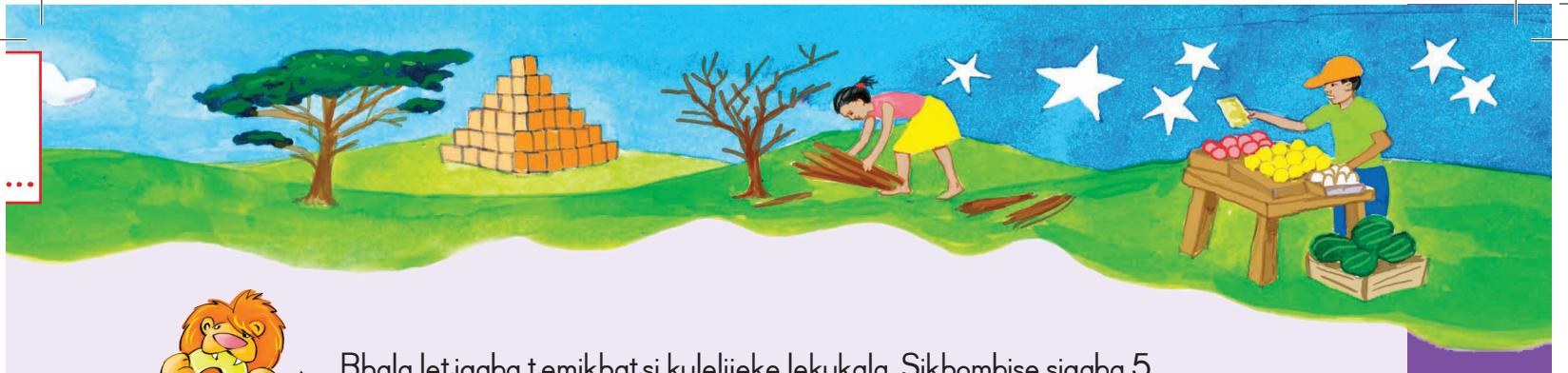
Sidzinga lokungetulu

Esikoteleni

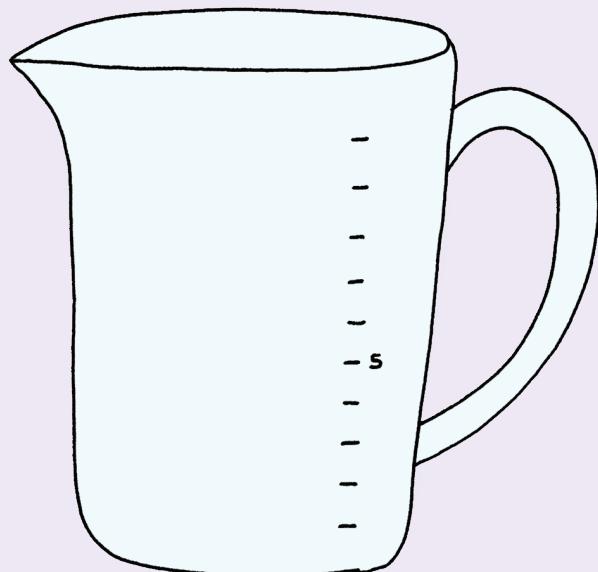
Sidzinga lokungetulu

Esikoteleni

Sidzinga lokungetulu



Bhala letigaba temikhatsi kulelijike 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 _____



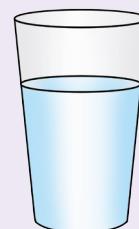
Faka lumphawu tikotela letimumatsa ilitha yinye yemanti.







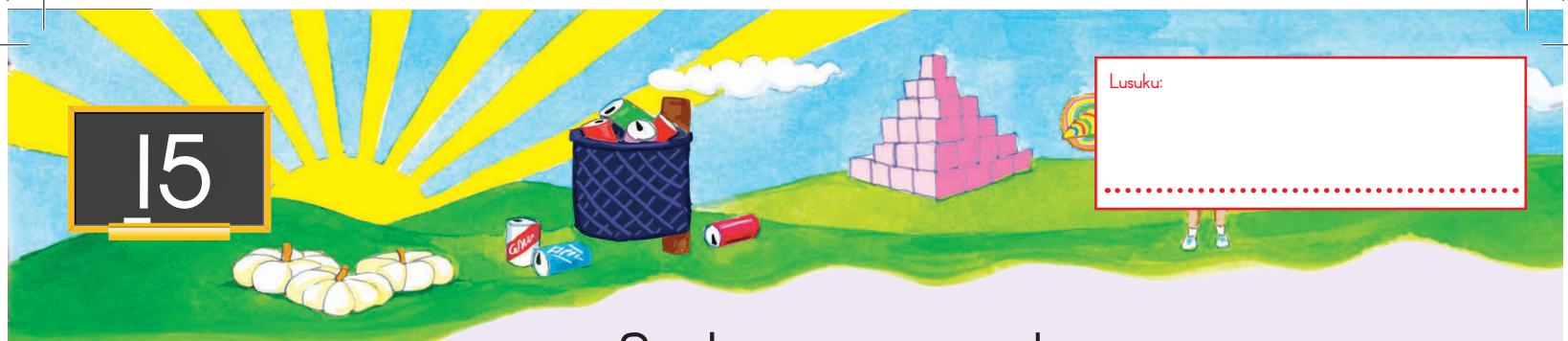






Teacher:
Sign:
Date:

15



Lusuku:

.....

Ithemu |

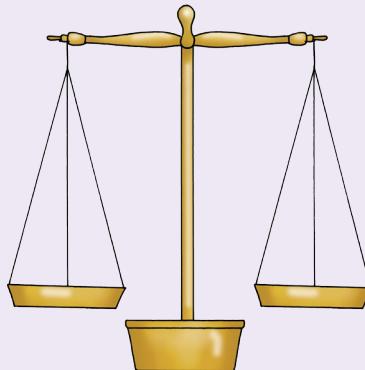


Asilinganiseni sisindvo setfu!

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

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

Ngubani lonesisindvo lesikhulukati?



41 kg



38 kg



41 kg



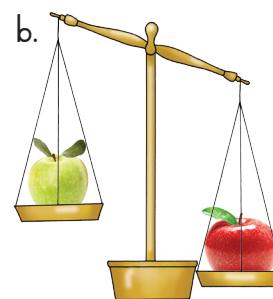
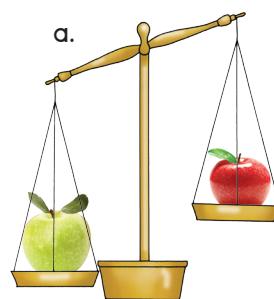
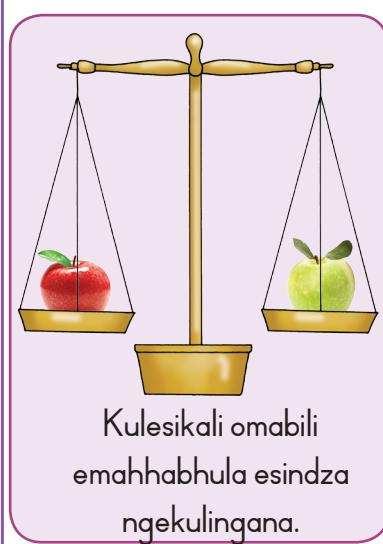
42 kg



39 kg



Sisebentisa sikali - masimama kukala sisindvo.



Phendvula umbuto: bhala a noma b.

Ngukusiphi sikali lapho khona lihhabhula leliluhlata
limatinyana kunelihhabhula lelibovu

Ngukusiphi sikali lapho khona lihhabhula leliluhlata
limalulana kunelihhabhula lelibovu

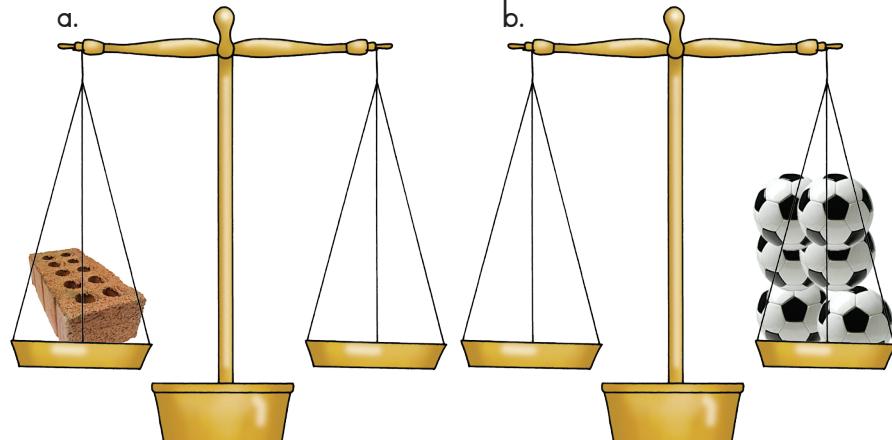


Linganisa sikali.

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 _____

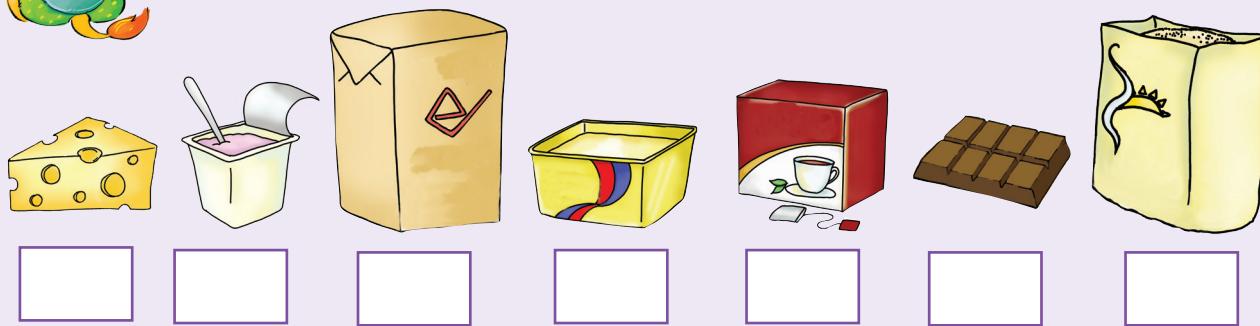
b. 3 emaphasela _____

c. Ngingawakala yini emaphasela lama-4 ngasikhatsi sinye kulesikali sasekhishini? _____

Usho ngani? _____



Faka lumphawu ebhulokini 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 ngayinye 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.



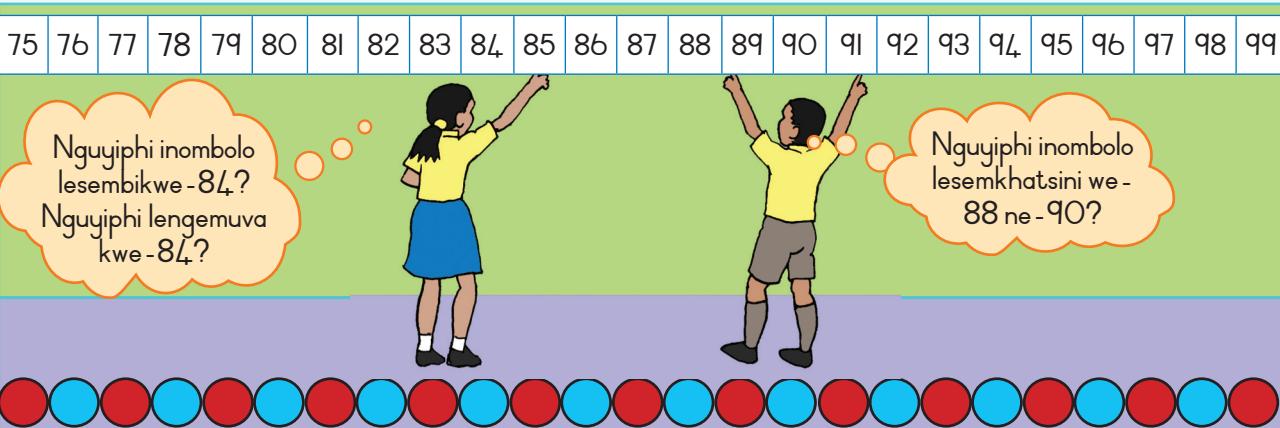
11 12 13 14 15 16 17 18 19 20

17

Lusuku:

Ithemu |

Catsanisa uphindze uhlelembise tinombolo

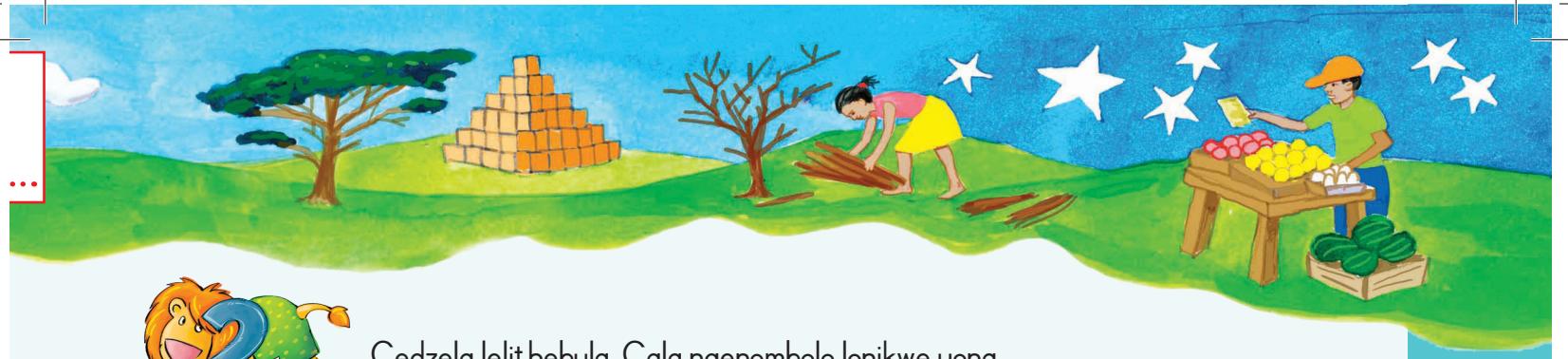


Gcwalisa tinombolo letishiyiwe.

51																								
71																								
																								100

Sebentisa libhodi nombolo kuperhendvula lemibuto

- 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.

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



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

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

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



Tfola tinombolo letisi -5 ephephandzabeni letisemkhatsini we -50 ne -99 bese utinamatsisela lapha ngekulandzelana.



18



Lusuku:

Ithemu |



Emandla sikhundla kuya kuma - 99

Kukhombisa tinombolo usebentisa tintfo

Singakhombisa tinombolo ngemabholoki emandla-sikhundla.

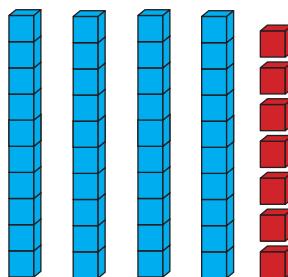
Libholoki lelincane limele ku-l. Liyiyunithi.

Indvuku leneli-10 lemabholoki lamancane imele li-10 Ilishumi.

Emashumi	Emayunithi
10	10
2	2

Ungakhombisa inombolo
ngekusebentisa emashumi
nemayunithi.

Nayi indlela yekukhombisa ema-47.



Emashumi	Emayunithi
4	7

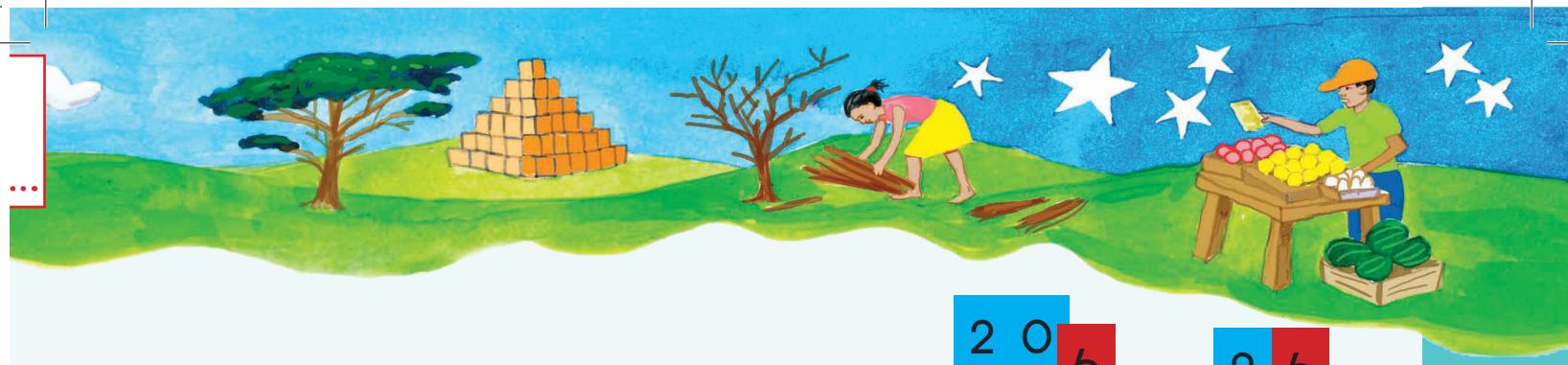
emashumi lamane
nesikhombisa
47



Kubhala tinombolo ngemadjithi nangemagama

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

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



20
b

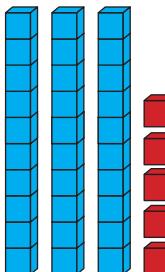
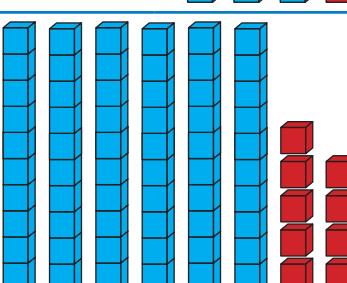
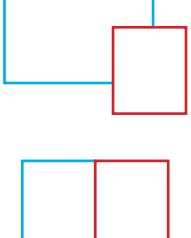
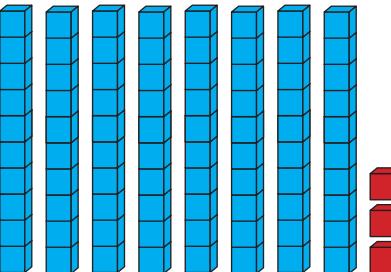
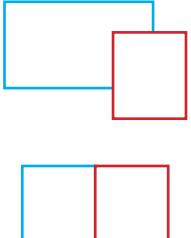
26

b. Singawasebentisa emakhadi nombolo kukhombisa loku lokungetulu.

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



Ngubani inombolo?

	<p>30 5</p> <p>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					
		<table border="1"> <tr> <td>Emashumi</td> <td>Emayunithi</td> </tr> <tr> <td></td> <td></td> </tr> </table> <hr/> <hr/>	Emashumi	Emayunithi		
Emashumi	Emayunithi					
		<table border="1"> <tr> <td>Emashumi</td> <td>Emayunithi</td> </tr> <tr> <td></td> <td></td> </tr> </table> <hr/> <hr/>	Emashumi	Emayunithi		
Emashumi	Emayunithi					



11 12 13 14 15 16 17 18 19 20

19

Lusuku:

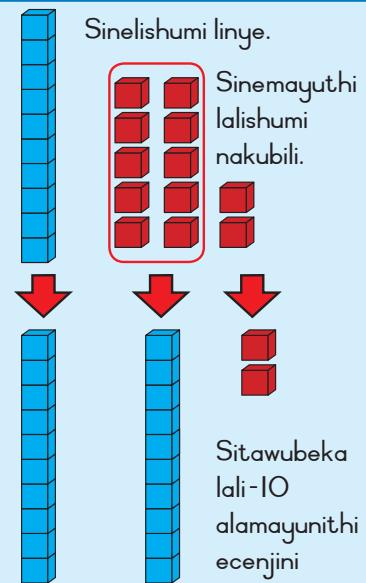
Ithemu |



Fundza

Kubeka emashumi ndzawonye uma sihlanganisa kufika kuma - 99

Nayi indlela yinye yekukhombisa 22.	
Emashumi	Emayunithi
1 lishumi 1 0	12 emayunithi 1 0 2



Nyalo sinalenye indlela yekukhombisa 22.	
Emashumi	Emayunithi
2 emashumi 2	2 emayunithi 2

Asihlanganiseni **27 + 4**. Lamabholoki 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 2 0	7 emayunithi + 4 emayunithi 7 4

Sinemashumi lama-2 nemayunithi la-11.	
Emashumi	Emayunithi
Singakhombisa emayunithi la-10 njengelishumi linye. 2 0 1 0	1

Nyalo sinemashumi lama-3 + 1 yunithi = 31	
Emashumi	Emayunithi
3	1



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"/>					



11 12 13 14 15 16 17 18 19 20

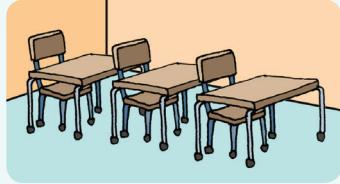
20a

Lusuku:

Ithemu |

Hlanganisa kumugca - nombolo

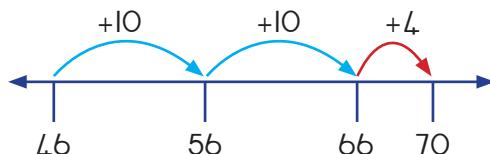
Hlala edesikini lakho!



Esikolweni setfu umfundzi ngamunye unelidesiki lakhe.
Kunebafundzi 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 ngekwengeta 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

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

Kumele
ngihlanganise ema-
24 kuma-46.

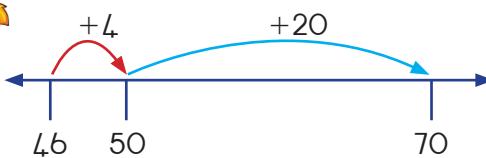


a. $32 + 25 =$



b. $52 + 26 = \boxed{}$

c. $46 + 25 = \boxed{}$



Kumele
ngihlanganise
ema-24 kuma-46.



Loku nguloku lengikwentako: 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. $36 + 41 = \boxed{}$



11 12 13 14 15 16 17 18 19 20

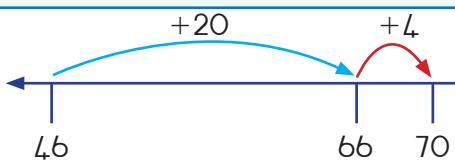
20b

Lusuku:

Ithemu |

Hlanganisa kumugca-nombolo (siyachubeka)

b. $57 + 19 = \square$



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.

$$= 46 + 20 + 4$$

$$= 66 + 4$$

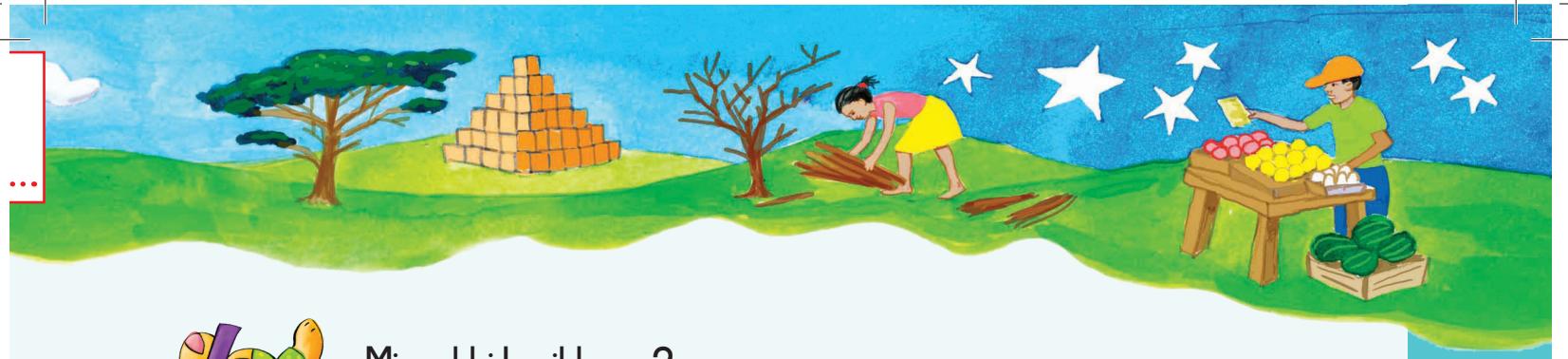
$$= 70$$

a. $63 + 24 = \square$



b. $65 + 29 = \square$





Mingakhi imikhama?

Umbhaki uletsa imikhama lengema-54 etinkhwa letinsundvu nalengema-68 yaletimhlophe.

- 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.

$38 + 24 =$

$58 + 17 =$

$75 + 16 =$

$83 + 29 =$



2la

Lusuku:

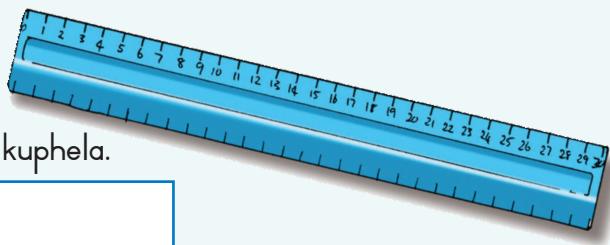
Ithemu |

Susa kumugca - nombolo

Umfundzi munye! Irula yinye!

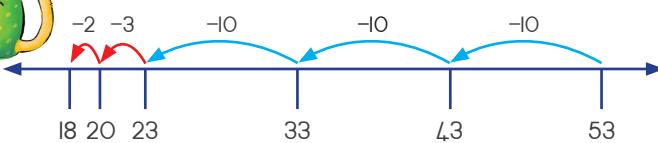
Likilasi lidzinga emarula langema -53. Sinalangema -35 kuphela.

Mangakhi lamanye lesiwadzingako? $53 - 35 =$



Sebenta nemngani

Fundza kutsi labafundzi labatsatfu labafanako bawusebentise njani umugcanombolo lapha.
Cedzela letibalo usebentisa lesibonelo.

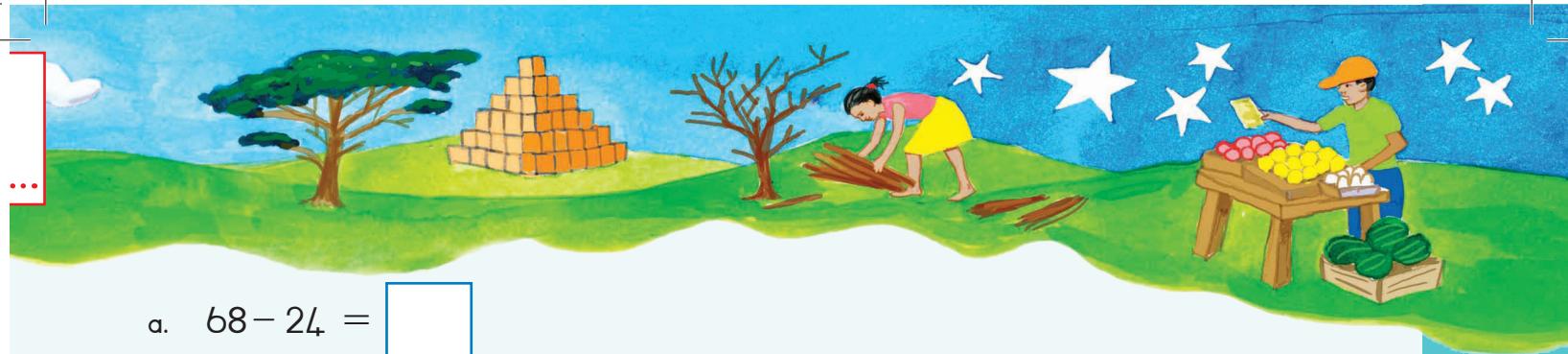


Kumele ngisuse
ema -35 kuma -53. Kususa
kusho kukhipha.



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

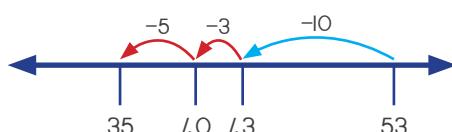
$$\begin{aligned} &= 53 - 10 - 10 - 10 - 3 - 2 \\ &= 43 - 10 - 10 - 3 - 2 \\ &= 33 - 10 - 3 - 2 \\ &= 23 - 3 - 2 \\ &= 20 - 2 \\ &= 18 \end{aligned}$$



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

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

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



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. $38 - 14 = \boxed{}$



2lb

Lusuku:

Ithemu |

Susa kumugca-nombolo (siyachubeka)

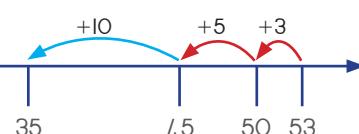
b. $65 - 43 = \square$



c. $72 - 39 = \square$



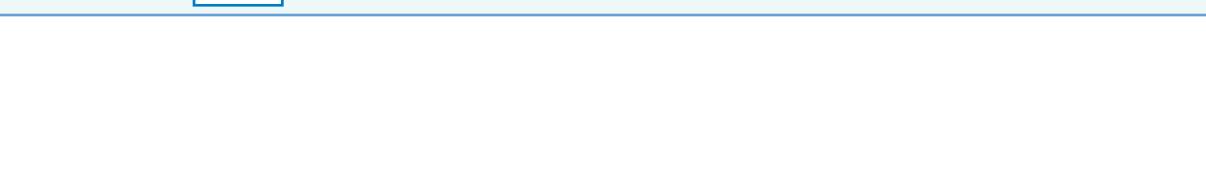
d. $85 - 48 = \square$



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



a. $84 - 32 = \square$





b. $96 - 53 =$

← →

c. $78 - 19 =$

← →

d. $63 - 47 =$

← →



Kuhamba ngetekisi

Luhambo ngetekisi kuya edolobheni ngema - 65 km.

Kwanyalo letekisi seyijhambe ema - 38 km.

Kusamele kuhanjwe libanga lelingakanani?

Sebentisa umugcanombolo kucatulula lenkinga.



← →

km



22

Lusuku:

Ithemu |



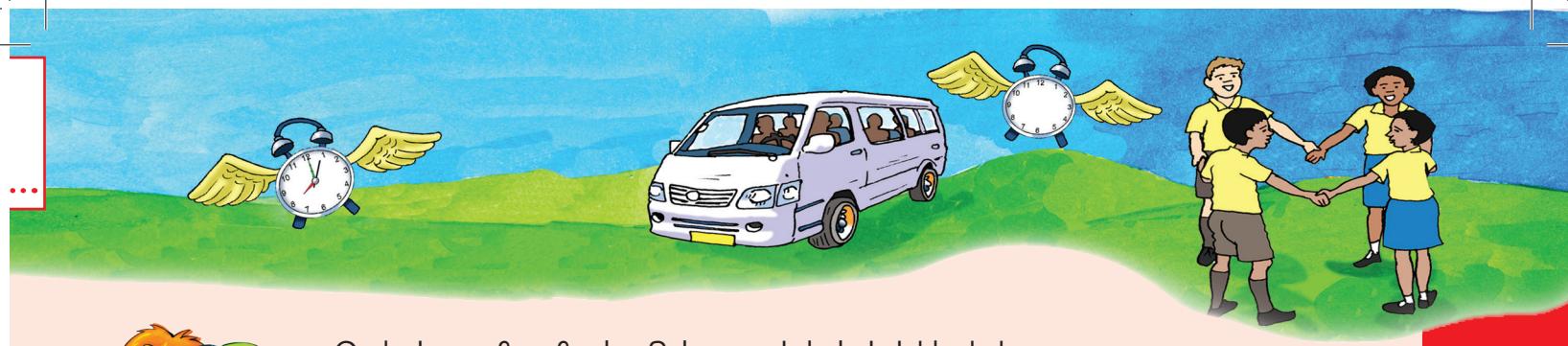
Luhlelo Iwekucala

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



Bala, futsi ubhale kwekutsi bangakhi bangani labakhetsi lolo nalolo hlobo Iwekudla.

Luhlobo Iwekudla				
Inombolo				



Cedzela igrafusitfombe. Sebentisa lithebulalakho kukusita.

Dvweba buso banye (😊) kumntfwana ngamunye lokhetsa loko kudla noma sinatfo.

😊			
😊			
😊			
😊			
😊			
😊			
😊			
😊			
😊			
😊			
😊			
	Ice cream cone	Cupcake	Chocolate wrapped candy



23

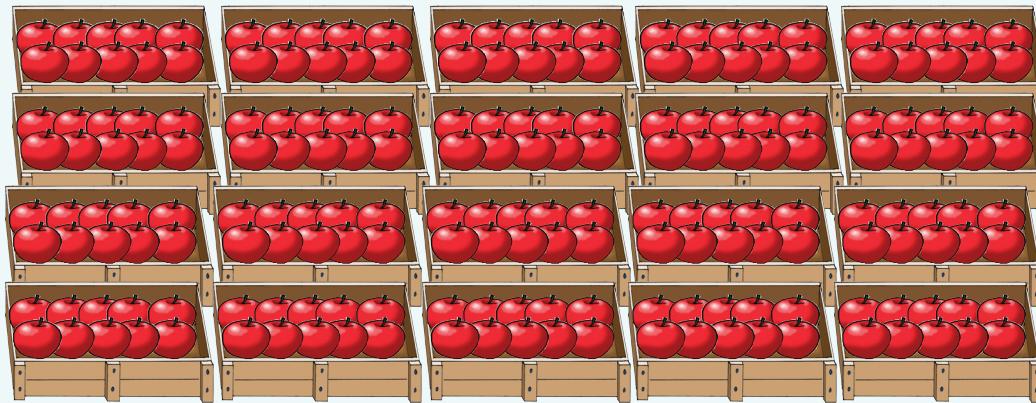
Lusuku:

Ithemu |

Kubala urike ku 200



Bala emahhabhula?



Faka letinombolo

Libhokisi li-l lina wemahhabhula

Luhele lu-l luna wemabhokisi

Luhele lu-l luna wemahhabhula

Emahele lama-4 ana wemahhabhula



Mangakhi ke emahhabhula lesingawafaka kulamabhokisi?

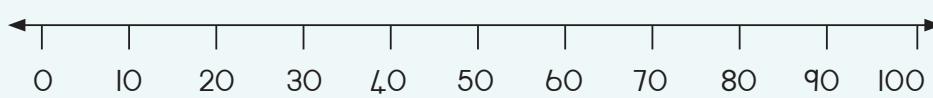


Bala kulomugcanombolo.

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

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

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

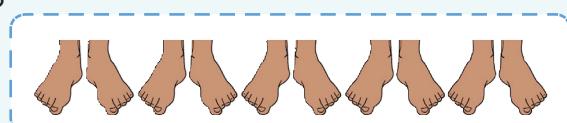
Ticheme leti-2
tema-10 takha

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

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

5 Emaphaya etinyawo.

Tingakhi tintwane setitonkhe?



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

$5 \times 10 =$

noma $10 \times 5 =$

Yenta loku ngendlela lefanako.

4 Emaphaya etinyawo. Tingakhi tintwane?

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

9 Emaphaya etinyawo. Tingakhi tintwane?

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



Bala ngema-10

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

 , , , , , , , , , , 200



11 12 13 14 15 16 17 18 19 20

24

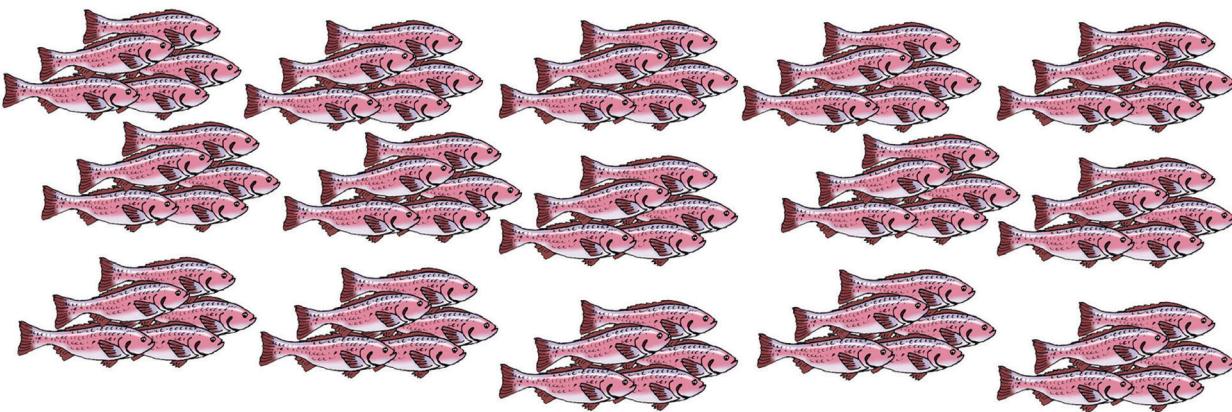


Ithemu |

Kutilolonga ngeti -5



Tingakhi tinhlanti? Yenta silinganiso.



Nyalo-ke bala letinhlanti. Tingakhi setitonkhe?



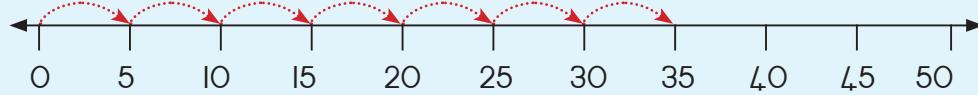
Bala ngeti -5

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

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

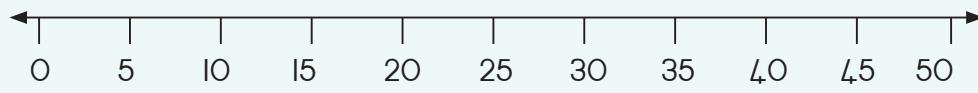


Cedzela letinombolomisho nemigcanombolo.



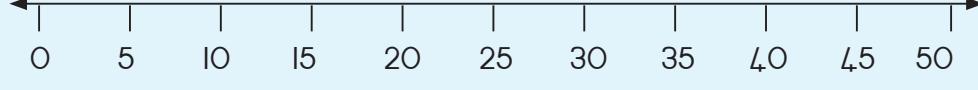
$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35} \quad \text{noma} \quad \boxed{7} \times \boxed{5} = \boxed{35}$$

a.



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

b.



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

c.



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



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?



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
			
			
			
			
			



25b



Lusuku:

Ithemu |



Bala ngaku-2 (siyachubeka)

Kwakha emaphoya.

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.

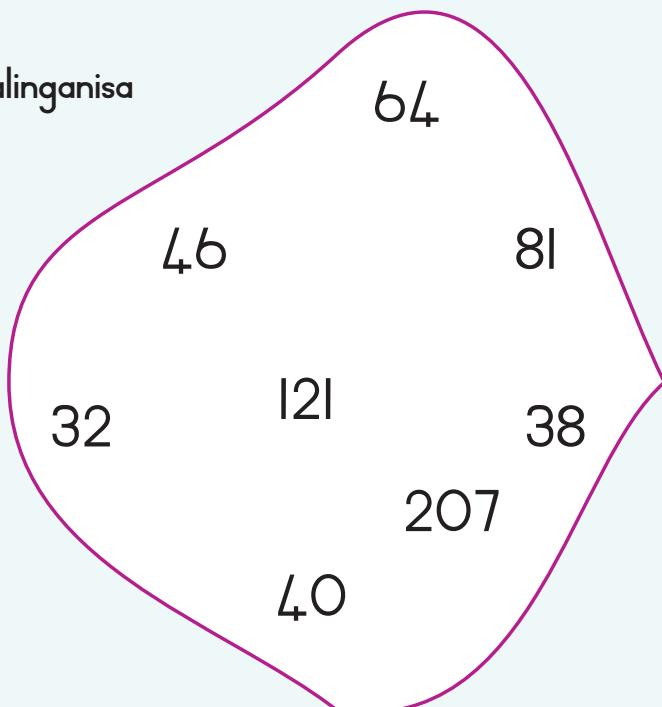
3, 5, 7,



Bomashiyana nabomalinganisa

Dvweba indilinga ugegelete
tinombolo - malinganisa.

Dvweba sikwele ugegelete
tinombolo - mashiyana.





Kusuka kumapheya kuya kumasokisi.

Sibonelo:

$$2 \text{ emasokisi} = 1 \text{ lipheya } \begin{array}{c} \text{socks} \\ \text{blue} \end{array}$$

$$2 \times 1 = 2$$

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

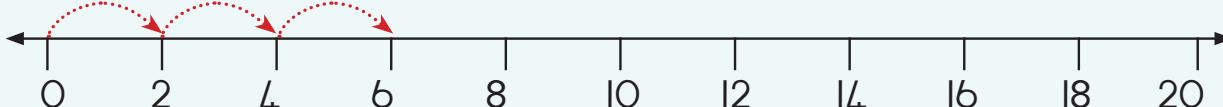
$$2 \times 10 = 20$$

a. Bhala kutsi mangakhi emasokisi.

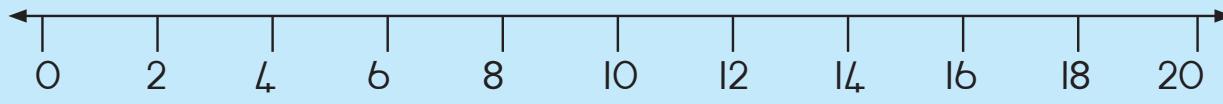
Cabanga ngaku-2	Umusho-nombolo
1 lipheya = 2 emasokisi	$2 \times 1 = 2$
2 emapheya = ___ emasokisi	$2 \times 2 = \boxed{}$
4 emapheya = ___ emasokisi	
8 emapheya = ___ emasokisi	
9 emapheya = ___ emasokisi	

b. Khombisa lesibalo kulomugcanombolo bese uyacedzela.

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



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



11 12 13 14 15 16 17 18 19 20

Imali endvulo nanyalo

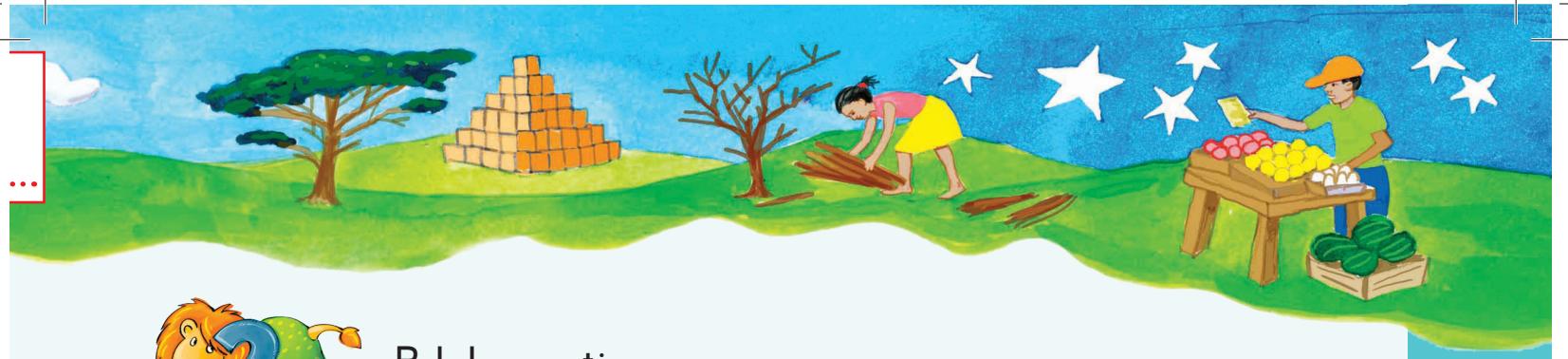


Indzaba yemali yetfu

ENingizimu Afrika sisebentisa emarandi nemasenti njengemali yetfu. Sicale kusebentisa emarandi nemasenti nga-1961.

Ngaletu tikhatsi indibilishi yelisenti li-1 ngijo 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.

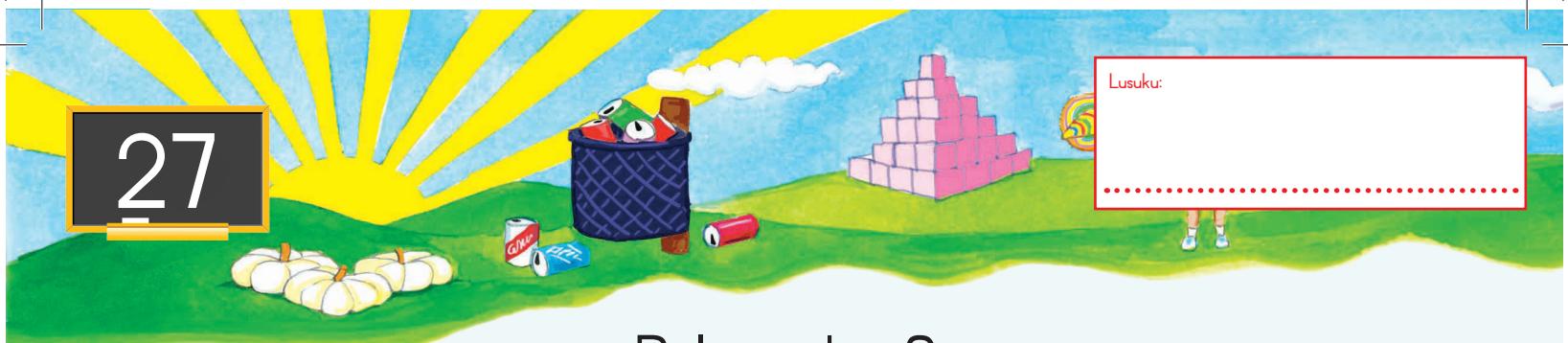
Bangakhi bobhanana ku-R20,00?

2 abita R2,00.

Mangakhi emahhabhula e-R9,00?



27



Ithemu |

Bala ngaku-3



Tincola ngaku-3



Libhayisikili lelingusondvontsatfu li-l linemasondvo lama ____.

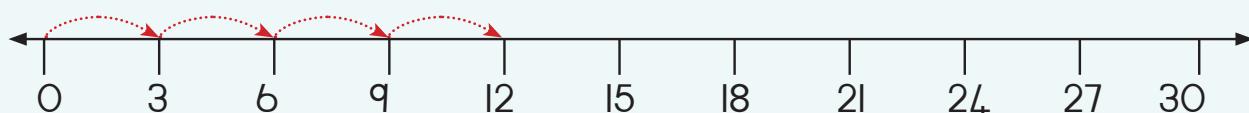


5 sabosondvontsatfu banemasondvo la _____	$3 + 3 + 3 + 3 + 3 = 5 \times 3 =$ _____
2 bosondvontsatfu banemasondvo la _____	$3 + 3 = 2 \times 3 =$ _____
4 bosondvontsatfu banemasondvo la _____	
6 sabosondvontsatfu banemasondvo la _____	
9 yabosondvontsatfu banemasondvo la _____	
8 sabosondvontsatfu banemasondvo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



Imigcanombolo

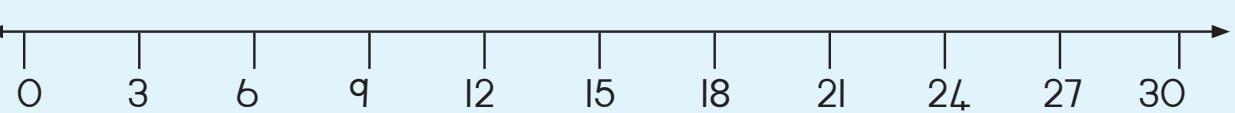
Landzela sibonelo.



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



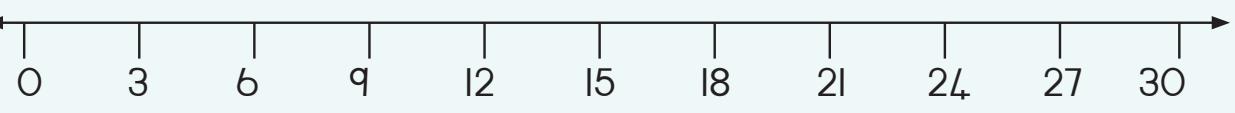
b.



$$3 + 3 + 3 + 3 + 3 =$$

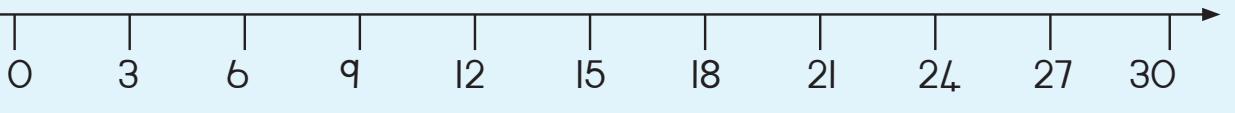
$$= \boxed{} = \boxed{} \times \boxed{} = \boxed{}$$

c.



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

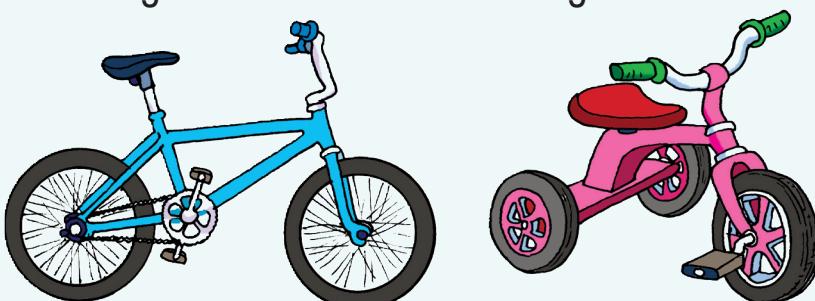
d.



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



Emabhayisikili asondvombili nemabhayisikili abosondvontsatfu



Esitolo semabhayisikili Busi ubala emasonvo emabhayisikili abosondvombili newabosondvontsatfu.

Kunemasonvo lali-14 sekaphelele.

Mangakhi emabhayisikili abosondvombili lalapho? _____

Mangakhi emabhayisikili abosondvontsatfu lalapho? _____



11 12 13 14 15 16 17 18 19 20

28



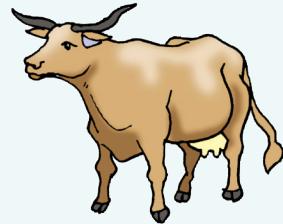
Ithemu |

Yini lehamba ngaku - 4?



Tinyawo letine

Emaphuzu etinombolo leti 4 ...
 $4 + 4 = 8; 2 \times 4 = 8$



Tinyawo tenkhomo tita nga - 4.

Yini lenye lena kune? _____



Bala letinyawo

Yabelanani ngetimphindvulo.
 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.

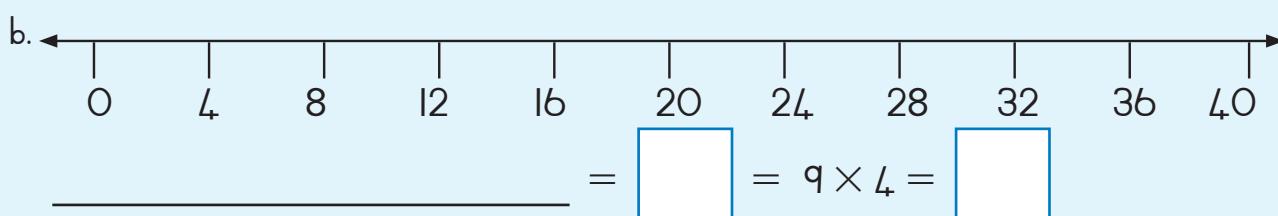
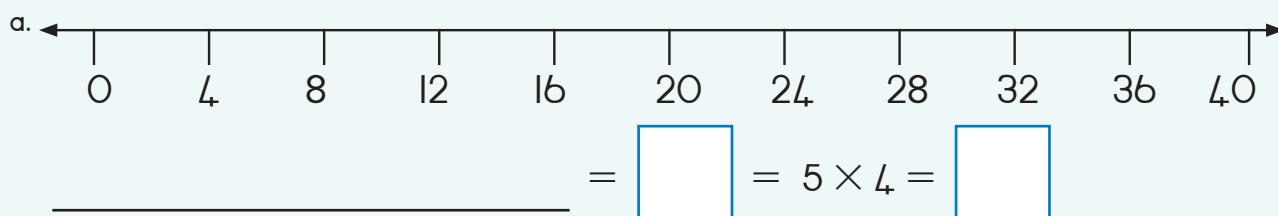


Tinkhomo leti-3 _____ tinyawo	$4 + 4 + 4 = 3 \times 4 =$ <u>12</u>
Tinkhomo leti-5 _____ tinyawo	
Tinkhomo leti-4 _____ tinyawo	
Tinkhomo leti-7 _____ tinyawo	
Tinkhomo leti-8 _____ tinyawo	



Imigcanombolo

Cedzela lolokulandzelako bese ukukhombisa kumugcanombolo.



29



Lusuku:

Ithemu |



Emaphethini ngetinombolo

Emaphethini egridi

Nguyiphi inombolo yemaphethini lekhonjisa tindilinga kugridi yeli-100?

Dvweba tindilinga letinye kucedzela iphethini ngayinye.

Bhala ligama lephethini ngayinye.

a. Iphethini: _____

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

b. Iphethini: _____

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

c. Iphethini: _____

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

d. Iphethini: _____

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

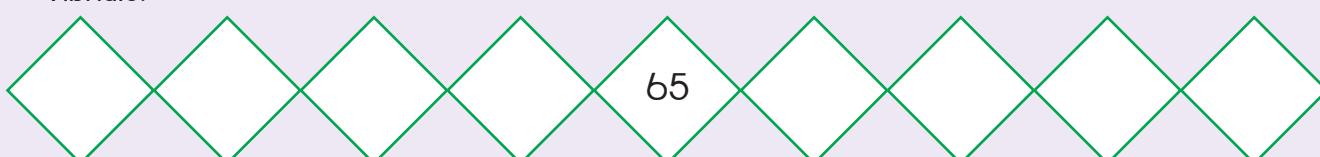


Yenta emaphethini akho

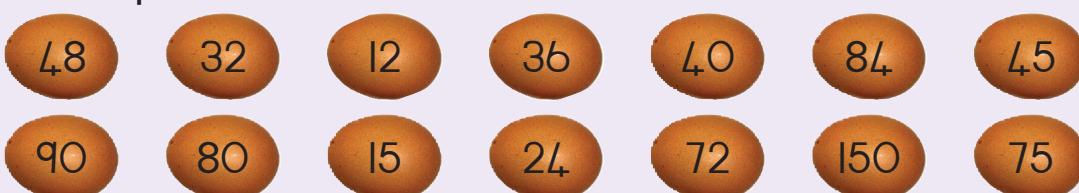
a. Kulephethini yetinombolo tonkhe letinombolo ticondzile. Kungaba ngutiphi leti letinye tinombolo? Tibhale.



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

Thembi 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 Thembi manje?



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

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.



$$\div =$$

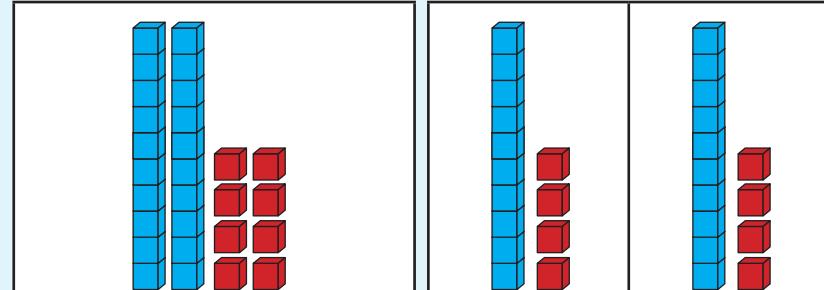
- c. Yehlukanisa emaswidi emkhatsini we-5 sebantfwana.



$$\div =$$



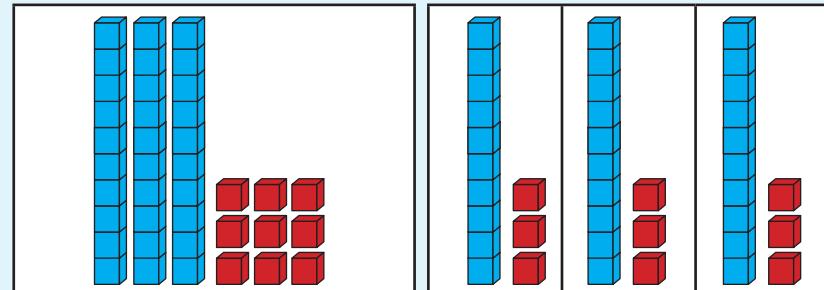
Singase bentisa emabhuloki etinombolo kwenta sibalo sekwehlukanisa.



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

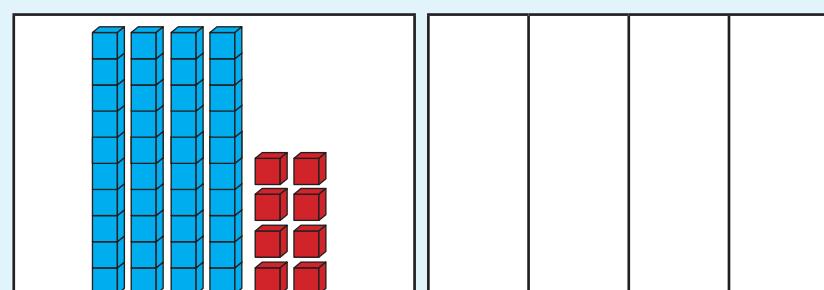
Nyalo yenta loku.

a.



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

b.



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



30b

Lusuku:



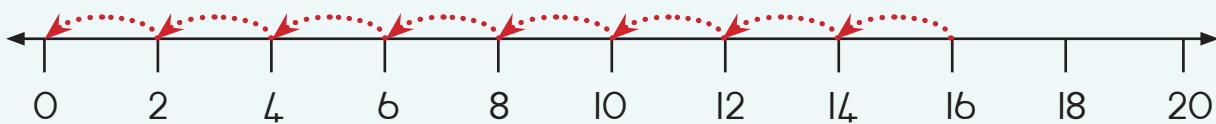
Ithemu |

Kwaba (siyachubeka)



Sebentisa imigcanombolo kubhala umusho-nombolo wekususa nekuhlukanisa.

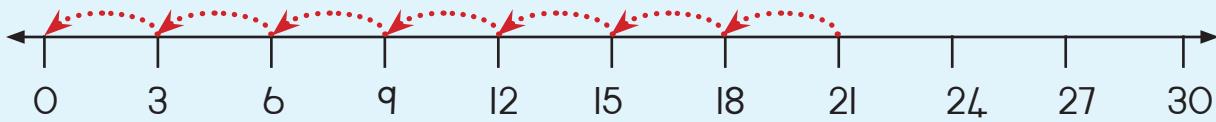
Sibonelo:



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

$$16 \div 2 = 8$$

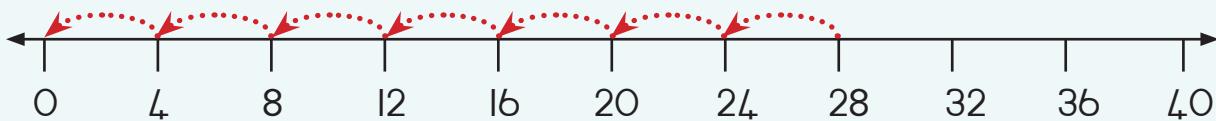
a.



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

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

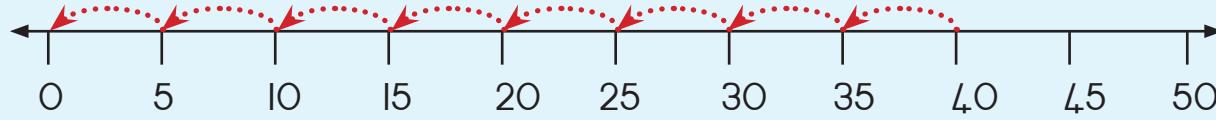
b.



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

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

c.



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

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



Dvweba umugca-nombolo bese uyawusombula.

a. $30 \div 5 =$



b. $22 \div 2 =$



c. $27 \div 3 =$



d. $32 \div 4 =$

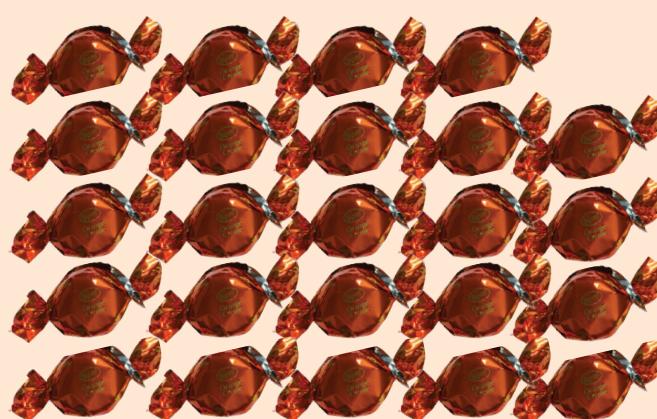


e. $25 \div 5 =$



Insayeya

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



31

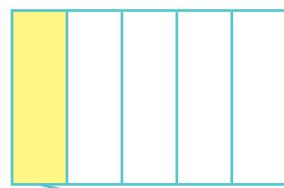


Lusuku:

Ithemu |

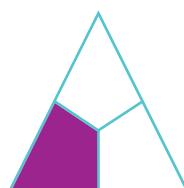


Dwweba imigca kucondzanisa bunjwa nefrakhishini.



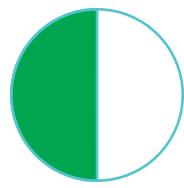
Incenye-ntsatfu yinye

$$\frac{1}{6}$$



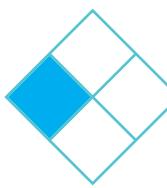
Incenye-sihlanu yinye

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



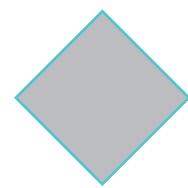
Ikota yinye

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



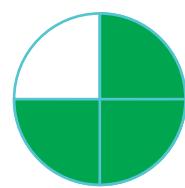
Ihhafu yinye

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



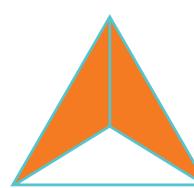
Emakota lamatsatfu

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



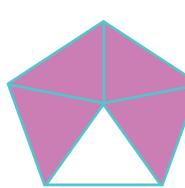
Incenye-kune kusihlanu

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



Kunye lokugcwele

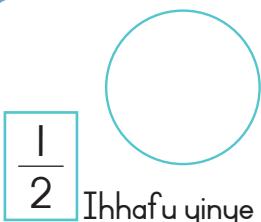
$$\frac{1}{1}$$



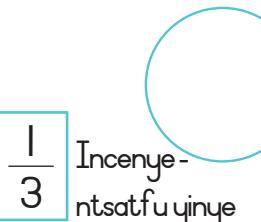
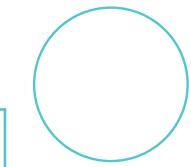
Incenye-mibili kukutsatfu

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

Hlukanisa bese ufaka umbala.



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



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

Incenye-ntsatfu yinye



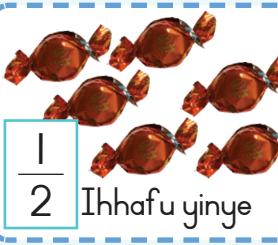
$$\frac{1}{4}$$



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

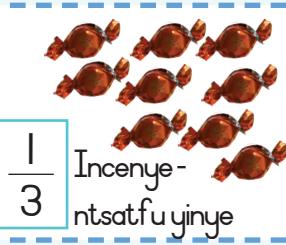
Incenye-sihlanu yinye

Khombisa lefrakhshini ngekuduvweba umugca ugegelete inombolo lengiyo yemaswidi.



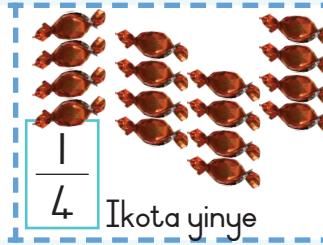
$$\frac{1}{2}$$

Ihhafu yinye



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

Incenye-ntsatfu 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"> Amunye wetfu utfole tinsita kubala letimbili. Ihhafu yetibali leti-4. 	<ul style="list-style-type: none"> Amunye wetfu utfole tinsita kubala _____. • ___ wa ___ ngu ___. 	<ul style="list-style-type: none"> Amunye wetfu utfole tinsita kubala _____. • ___ wa ___ ngu ___. 	<ul style="list-style-type: none"> Amunye wetfu utfole tinsita kubala _____. • ___ wa ___ ngu ___. 																
$4 \div 2 = 2$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$																

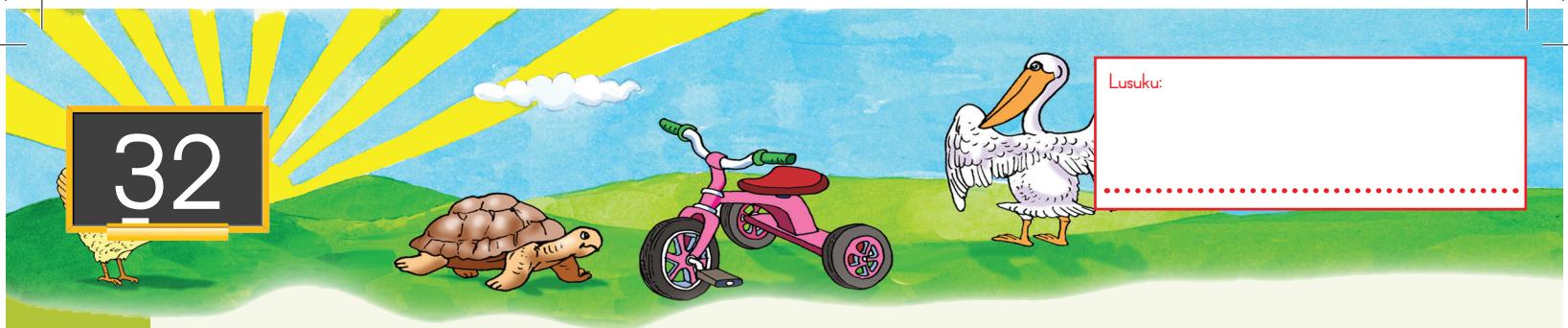


Yaba lamaswidi emkhatsini webantfwana.

<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>						
<ul style="list-style-type: none"> ikota emaswidi = 3 emakota lamabili emaswidi = _____ emakota lamatsatfu emaswidi = _____ emakota lamane emaswidi = _____ 	<ul style="list-style-type: none"> incenye-ntsatfu emaswidi = _____ tincenye-ntsatfu timbili emaswidi = _____ tincenye-ntatfu letintsatfu emaswidi = _____ 														



32



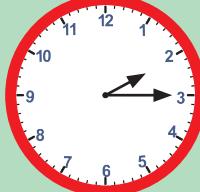
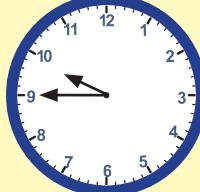
Lusuku:

Ithemu |

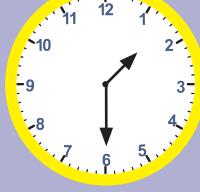
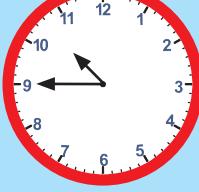
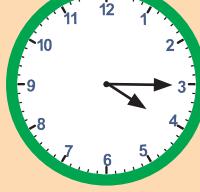


Kwati sikhatsi

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.

		
_____	_____	_____

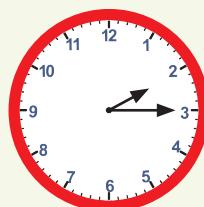
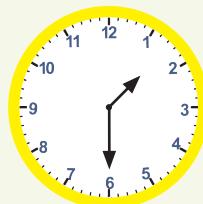


Kuya ekhaya

Ngabe Ben utsatsa sikhatsi lesingakanani kufika ekhaya?

imizuzu

ema-awa



Ben usuka esikolweni.

Ben ufika ekhaya.



Sikhatsi siyabaleka

Sikhatsi ngaku-2 ...



Mingakhi ...

imizuzu kuma-awa lama-2?

ema-awa emalangeni lama-2?

emalanga emavikini lama-2?

tinyanga eminyakeni lemi-2?



Mangakhi emalanga?

Mabasa 27 Lilanga Lenkhululeko.

Mabasa						
U	L	L	L	U	L	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	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- a. Kusuka kuLilanga Lenkhululeko kuya kuLilanga Lelusha kunetinyanga letiphelele leti _____, emaviki laphelele la _____ kanye nemalanga laphelele la _____.

- b. Mangakhi emaviki laphelele sekahlangene? _____

Mangakhi emalanga lasele? _____. Mangakhi emalanga sekaphelle? _____.

- c. Lusuku Iwekutalwa IwaLebo lungaphambi kwelilanga leNkhululeko ngemalanga lasi-7.

Lusuku Iwekutalwa IwaMusa lungemalanga lamibili ngemuva kweLilanga Lelusha.

Ngubani lomdzala? _____ Ngemalanga lamangakhi? _____

Buka. Catsanisa.
Lungisa



11 12 13 14 15 16 17 18 19 20

33



Lusuku:

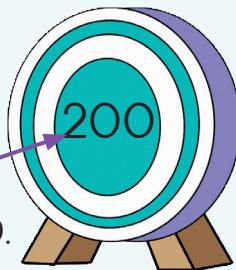
Ithemu 2

Hlosa kufika kuma-200



Bala letinombolo

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



101	102						200		
111									
121									
131									



Bhala letinombolo

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

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



Bhala tinombolo letisele

a.

200		180			

50						110

b.

87		107		

167				

					207

					237



Cedzela

200	+	30	+	5	= 235
200	+	40	+	7	= _____
200	+	60	+	8	= _____
	+		+		= 293
	+		+		= 256

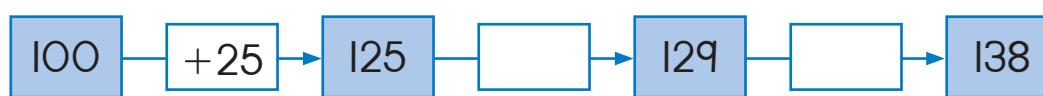
Bhala tinombolo
ngekulandzelana kusukela
kulencane kakhulu kuye
kulenkulu kakhulu.



Bala uchubeke kusuka kuli-100

Bala loko lodzinga kukwenta kute utfole inombolo lelandzelako.

Kucala



Kuphela



11 12 13 14 15 16 17 18 19 20

34

Lusuku:

Ithemu 2

Kusebenta ngemacembu etinombolo



Kupakisha emakhandlela

Make Nkhosi usebenta enkapanini yemakhandlela.

Uma emakhandlela sekalungile, uwapakisha ngalendlela emabhokisini emashelufini.



Mangakhi emakhandlela ebhokisini ngalinye? _____

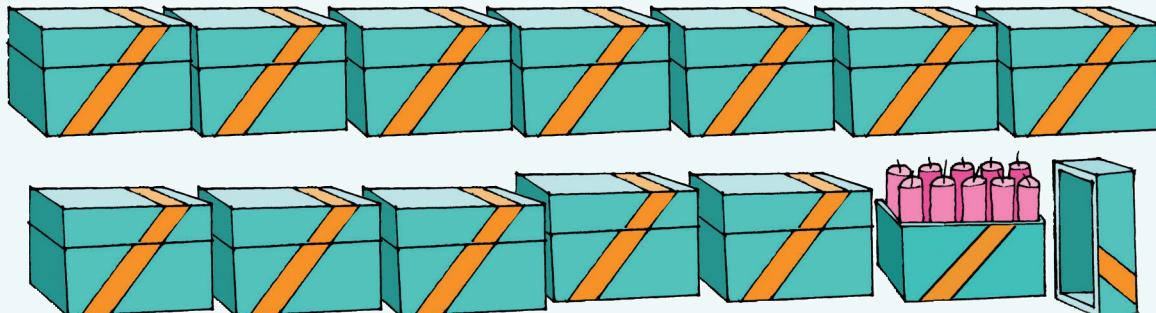
Mangakhi emabhokisi eshelufini ngalinye? _____

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



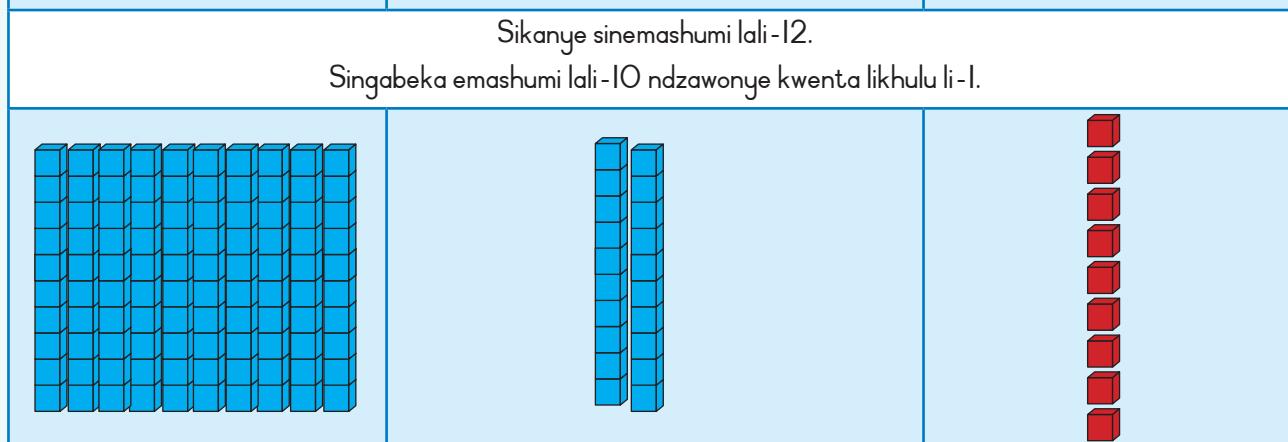
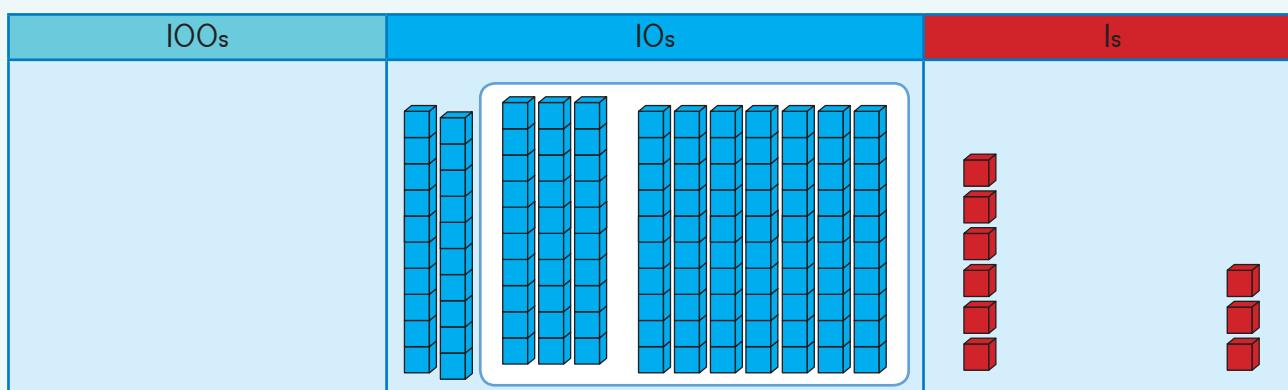
Lusuku:

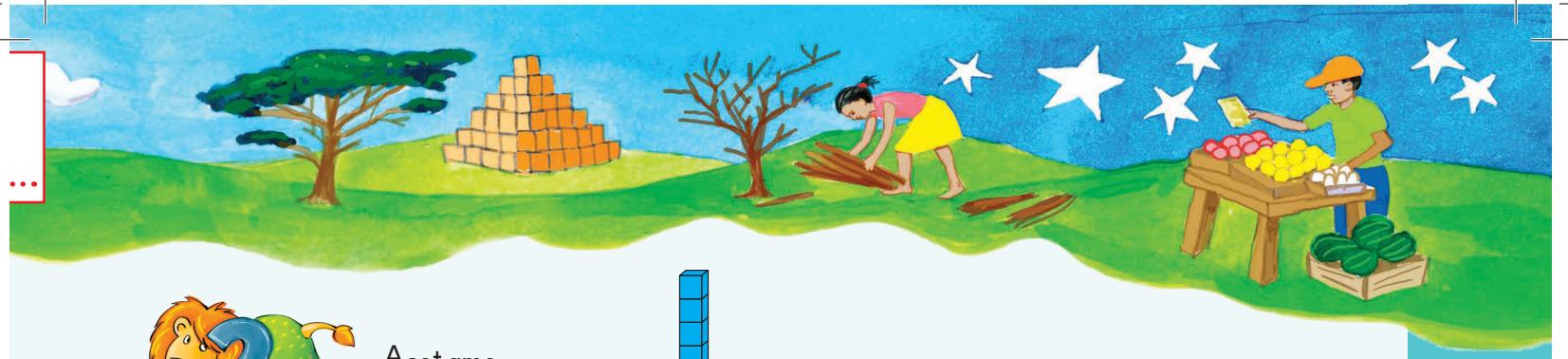
Ithemu 2



Kubeka emashumi ndzawonye uma sihlanganisa

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





A setame.



na



= ○

Sibonelo: $82 + 34$



$100 + 20 + 6 = 126$

a. $65 + 52$

b. $76 + 63$

c. $86 + 65$



11 12 13 14 15 16 17 18 19 20

35b



Ithemu 2



Kubeka emashumi ndzawonye neku siwehlukanisa (siyachubeka)

Beka emacembu ndzawonye

Sebentisa emabhaluki endzawo yenombolo akho.

Sebentisa emabhaluki endzawo yelishumi kwenta letinombolo letimbili.	Sekukonkhe mangakhi emashumi? Mangakhi emayunithi?	Ngabe ubike 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, ngaletinye tikhatsi sidzinga kukhombisa lishumi linye njengemayunithi lalishumi, likhulu linye njengemashumi lali-10.

Asinciphise: $60 - 55 =$

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

Singakhombisa ticheme letisitfupha temashumi karje.	Noma sihlalu semashumi nelishumi lemayunithi.	Susa ticheme letisihslanu 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.

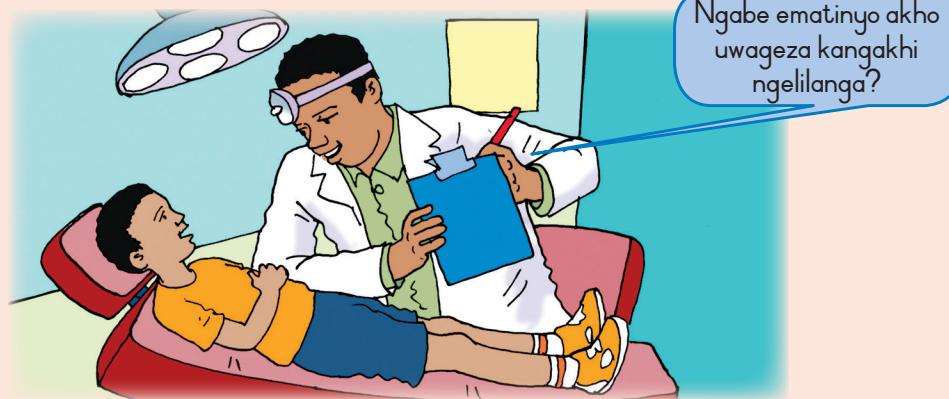
200	
85	





Kuvakashela dokotela wematinyo

Licembu lebantfwana livakashela dokotela wematinyo.



Loku nguloku bantfwana labamtjela kona.



= I sikhatsi

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

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

- b. Yini longayisho?

Bantfwana labanyenti bacubha ka _____ ngelilanga.

Kunebantfwana laba _____ ecenjini.



Dweba igrafusitfombe lekhomba kutsi bantfwana bacubha kangakhi ngelilanga.



= sikhatsi si - I



Yenta luhlwayo ekilasini lakho. Buta 15–20 webafundzi.

- Bawacubha kangakhi ematinyo abo ngelilanga? _____
- Dweba igrafusitfombe lenjengalena lengetulu kukhombisa imiphumela yeluhlwayo lwakho.



11 12 13 14 15 16 17 18 19 20

37a



Lusuku:

Ithemu 2



Bhala sibalo sakho



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

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

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

Uhlanganisa lamayunithi emva kwaloko ubeka phasi likhadi le - q

q

Uyati: $50 + 70 = 120$.

Utsatsa leli - 100, lama - 20 kanye nelikhadi le - q
kwenta inombolo yemadijithi lama - 3

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

Ubhala ngalendlela:

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

Dumi uyati kutsi emabhuloki asebenta njani.

Ubala $56 + 73$ kanje:

$$\begin{array}{r} 50 + 6 + 70 + 3 \\ \swarrow \quad \searrow \\ 120 + 9 \\ = 129 \end{array}$$



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



Nyalo-ke ase sisuse.

a. $87 - 53$

Indlela ya Busi

$$80 - 50 + 7 - 3$$

$$= 30 + 4$$

$$= 34$$



Indlela ya-Dumi

$$80 + 7 - 50 + 3$$

$$\cancel{= 30} + \cancel{4}$$

$$= 34$$



b. $95 - 73$

c. $86 - 62$

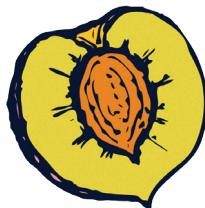
d. $85 - 69$



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?



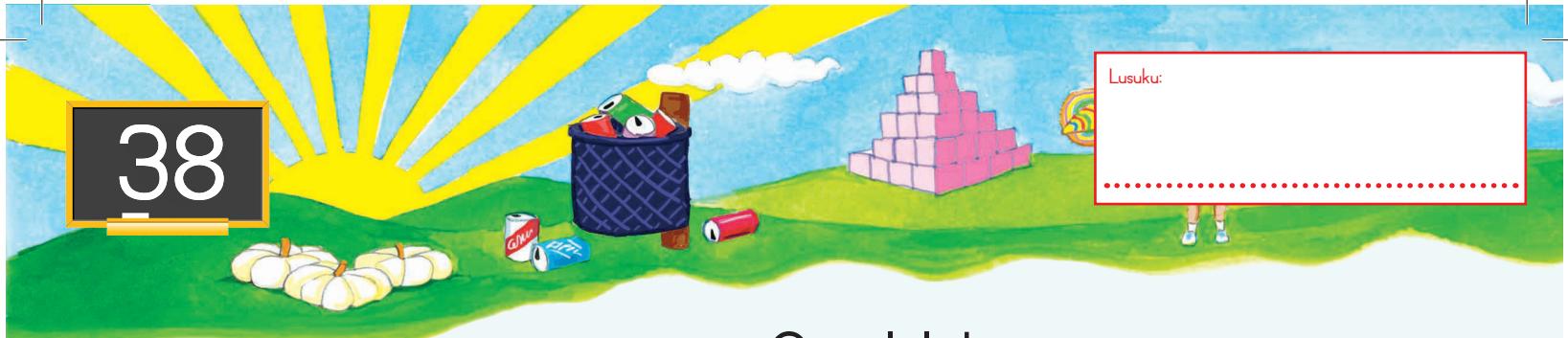
- b. Bantwana baka Malusi bonga R47 kanyekanye.
Make wabo ubangetela R58. Sebanamalini manje?



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



38



Lusuku:

Ithemu 2

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 nguSipho kunaletibalwa nguAndile?



Ikhonsathi yasesikolweni



Musa

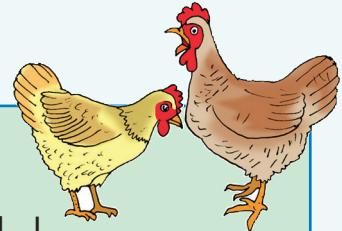


Musa utsengisa emathikithi. Bekenemathikithi langema-92 ekucala ngawo.

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 seyijyonkhe?

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



39



Ithemu 2



Tfola incenyé

Bhala tinombolo letingekho.

a.	100	
		27

b.	100	
39		

c.	100	
43		

d.	100	
56		

e.	200	
140		

f.	200	
	110	

g.	200	
135		

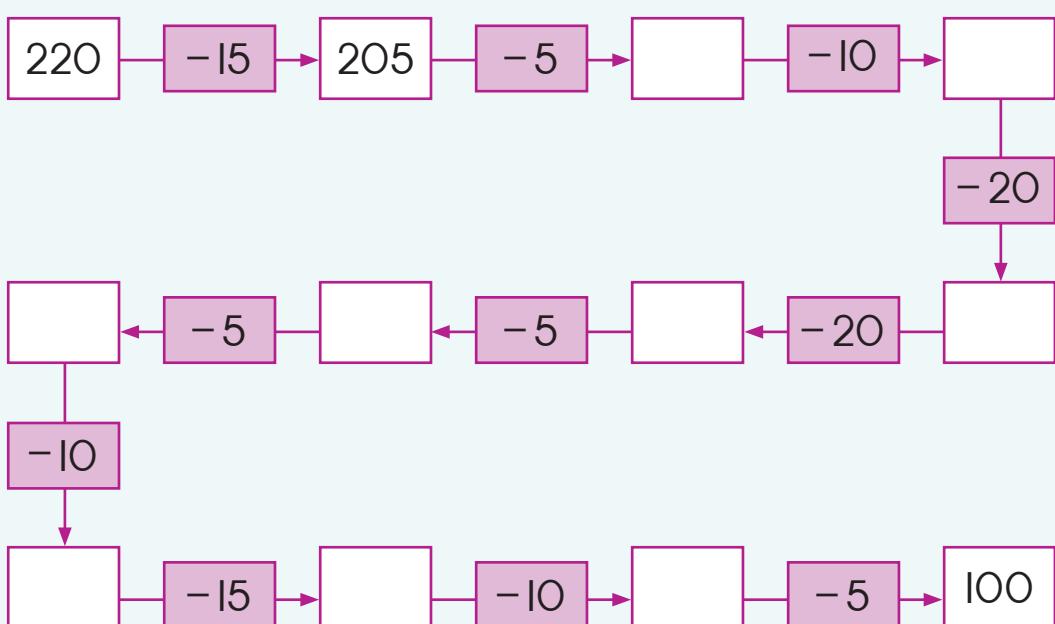
h.	200	
	120	



Bala ubuyele emuva kusuka
kuma-220 kuye kuli-100

Susa letinombolo emabhokisini labovana sikhatsi ngesikhatsi.

Sesikwentele yekucala.



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

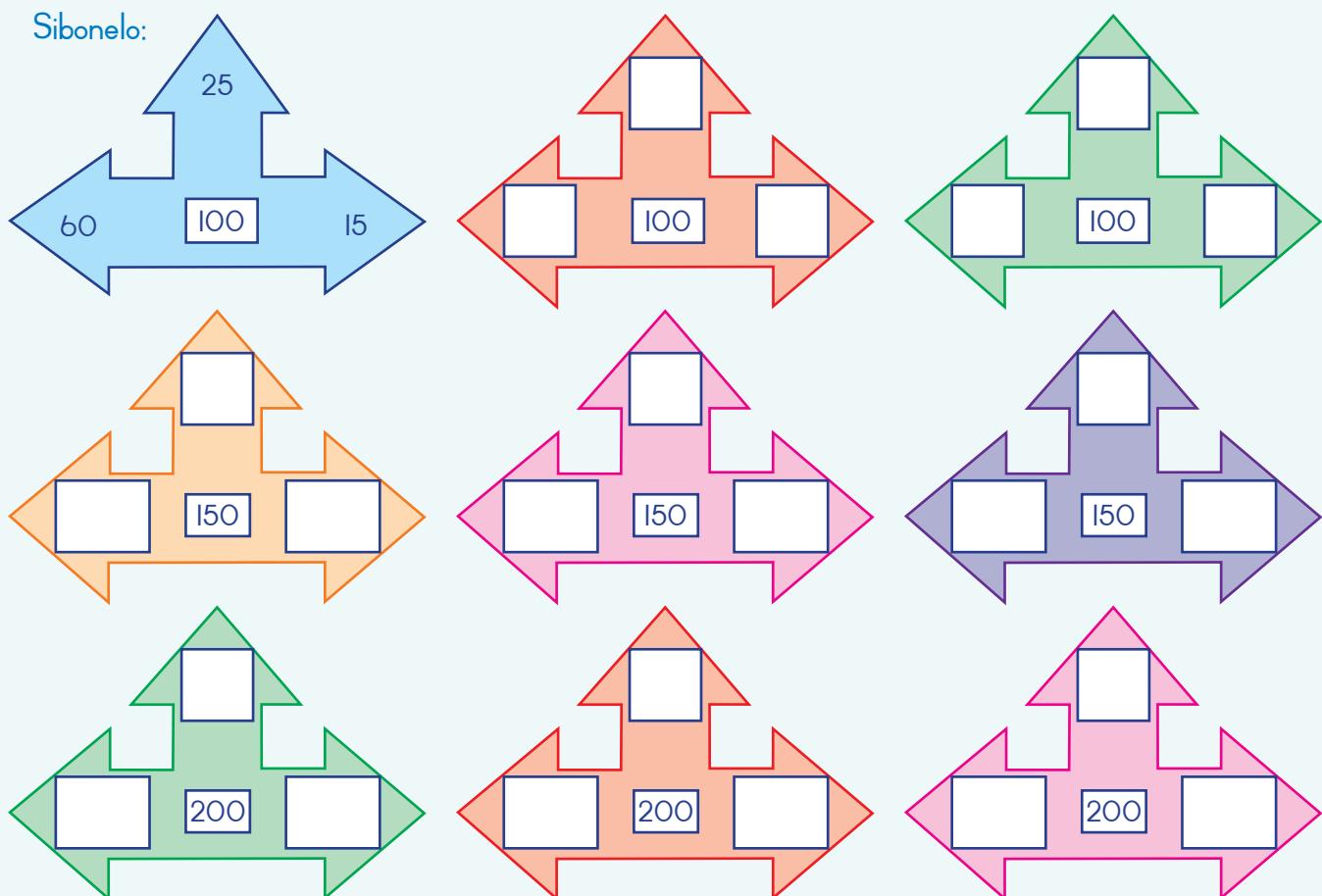


Iminden'i yalabatsatfu

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 lwesi -2.

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



40

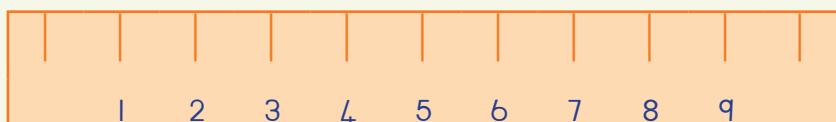


Lusuku:

Ithemu 2



Ngabe lisentimitha lingakanani?



Letinombolo kurula timele emasentimitha.

Sisebentisa lesinciphiso nobe lumphawu lwa-cm.

Uma usebentisa irula, kumele ucale kulinganisa kuli-O.

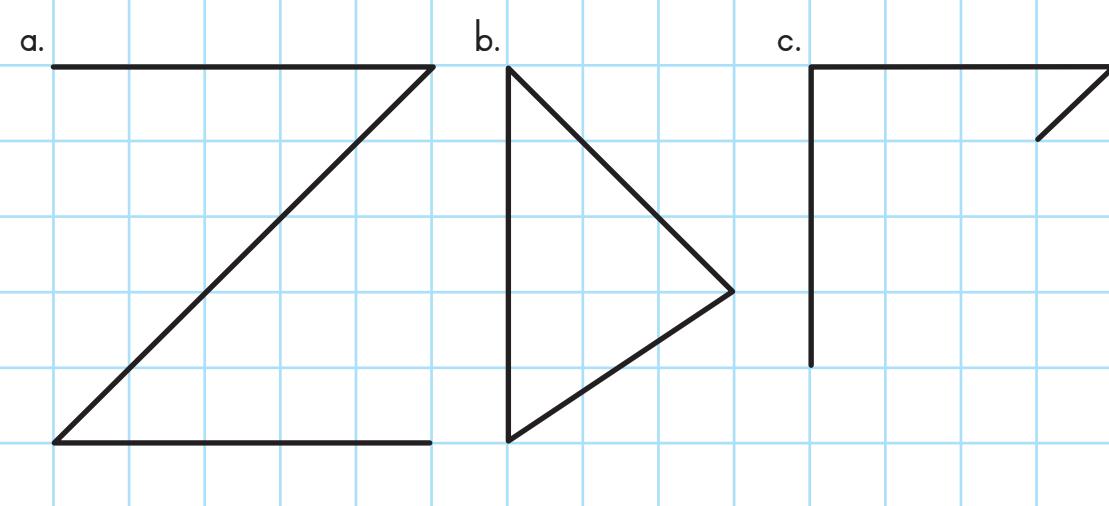
Lamanye emarula akakhombisi leli-O njengalena lekulelikhasi.

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 kusista kuncuma.

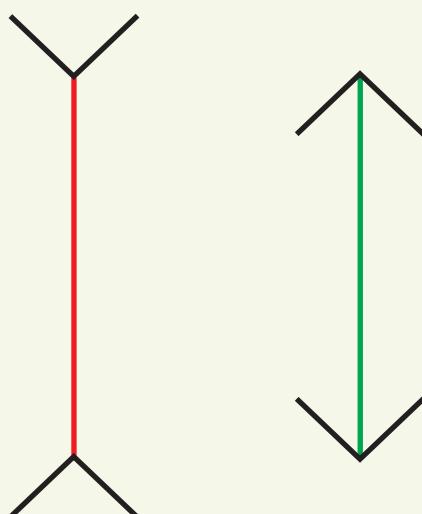
a. —————	<input type="text"/> cm	d.	<input type="text"/> cm
b. —————	<input type="text"/> cm	e. —————	<input type="text"/> cm
c. —————	<input type="text"/> cm	f. —————	<input type="text"/> cm



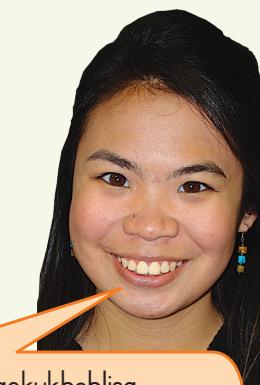
Ngabe ucinisekile?

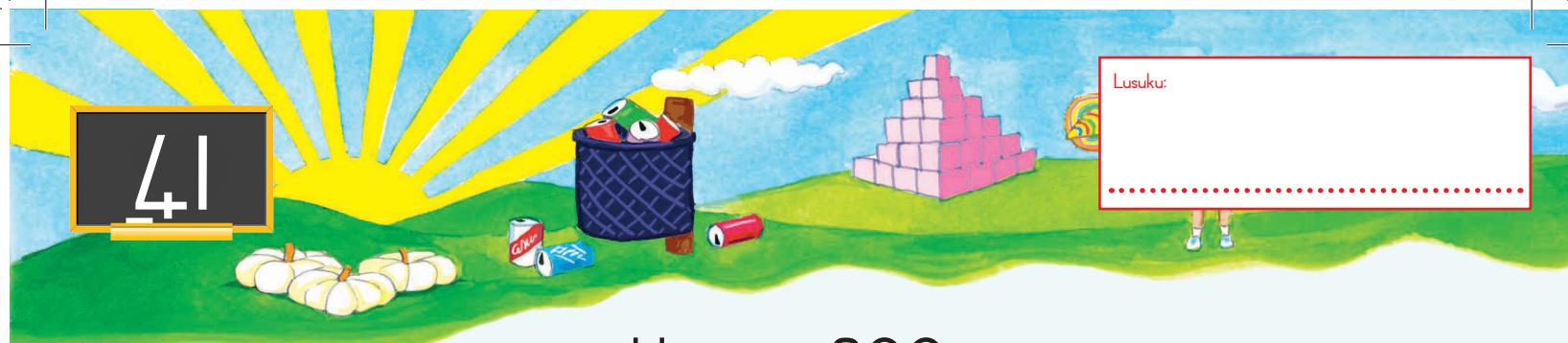
Ngumuphi lomudze, umugca lobovu nobe loluhlata?

Ungahlola njani?



Loku ngulokubitwa ngeukukhohlisa lokubonakalako. Loku kwenteka uma emehlo akho abona intfo lengkho. 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.





Lusuku:

Ithemu 2

Umgomo 300



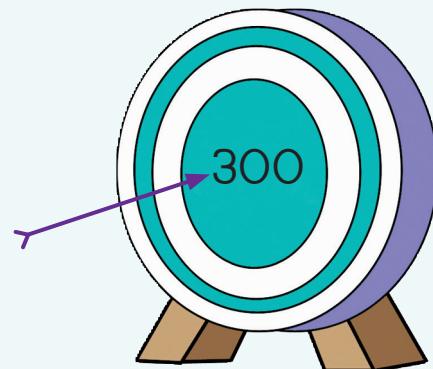
Bala futsi ubhale ema - 200

Bala kusuka kuma - 201 kuye kuma - 300.

Khomba njengobe uhamba.

Emva kwaloko gcwalisa tinombolo letilingangane kucala.

Sale ubhala tonkhe letinye tinombolo.

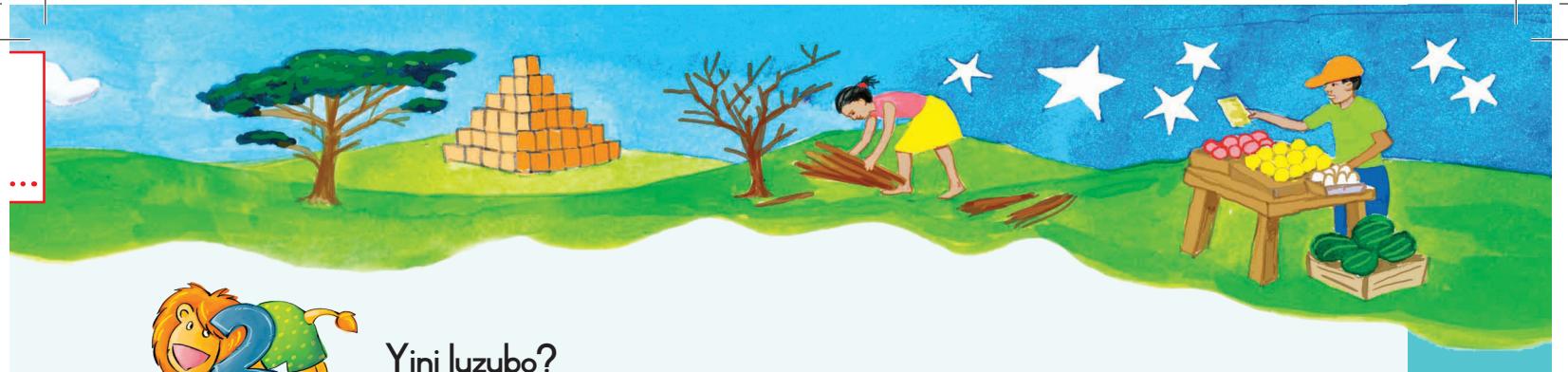


201					207			210
211								
221								
231								
							249	
				254				
								265
								280
273					286			
281								
								300



Bhala letinombolo letili - 10 letilandzelako emva kwema - 300.

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



Yini luzubo?

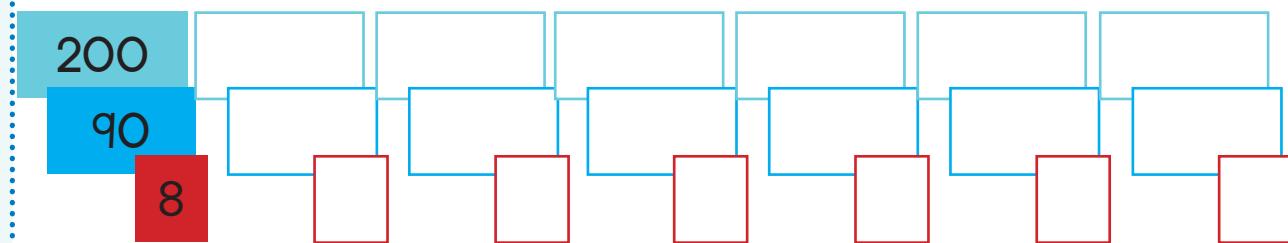
30I		28I						
								2II
							10I	



Kukhombisa nekucatsanisa.

- a. Bhala letinombolo lettingena ekhadini ngalinye.

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



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

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



Yini ingucuko? Bhala letinombolo letishiyekile.

Kucala



Kuphela



11 12 13 14 15 16 17 18 19 20

42



Lusuku:

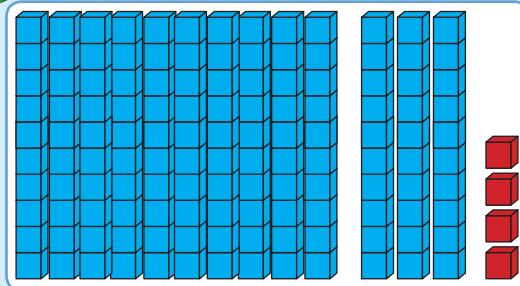


Ithemu 2

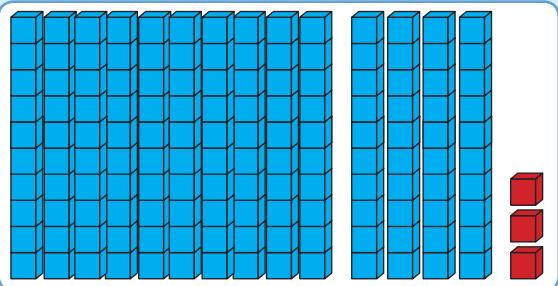


Kuhlanganisa nekususa ngabo 100

Kusebentisa emabholoki kuhlanganisa



+



$$\begin{array}{r} 100 \\ + 30 \\ \hline 100 \end{array} \quad \begin{array}{r} 30 \\ + 4 \\ \hline 40 \end{array} \quad +$$

$$\begin{array}{r} 0 \\ + 0 \\ \hline 0 \end{array} \quad \begin{array}{r} 0 \\ + 0 \\ \hline 0 \end{array} \quad = \begin{array}{r} 200 \\ + 70 \\ \hline 270 \end{array} \quad \begin{array}{r} 7 \\ + 3 \\ \hline 10 \end{array}$$

$$= 200 + 70 + 7$$

$$= 277$$



Landzela letindlela letimbili. Khombisa imphendvulo ngayinje 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

$$\begin{aligned} &\cancel{1}3\cancel{2} + \cancel{1}2\cancel{3} \\ &= 200 + 50 + 5 \\ &= 255 \end{aligned}$$



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

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

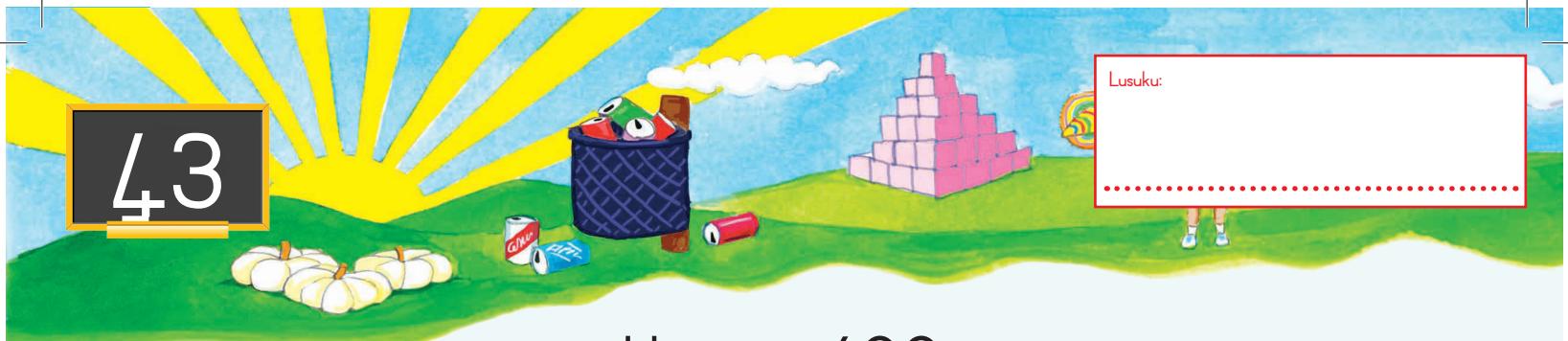


b. $194 - 122$

c. $288 - 199$



43



Lusuku:

Ithemu 2

Umgomo 400

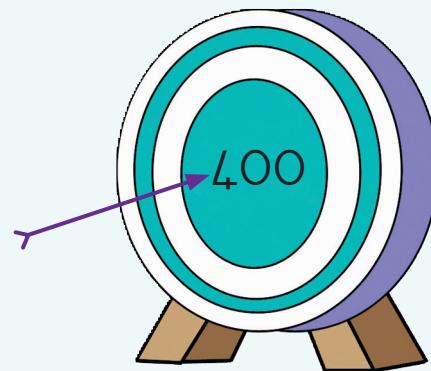


Kubala nekubhala ngema - 400

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

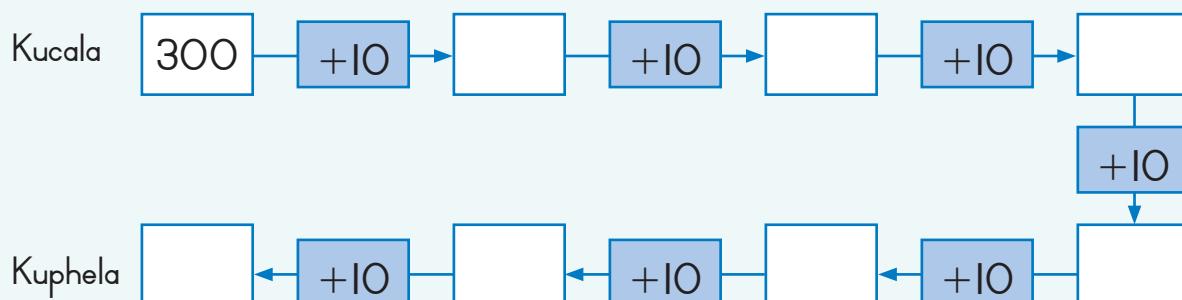
100

1 2 3 4 5 6 7 8 9 10

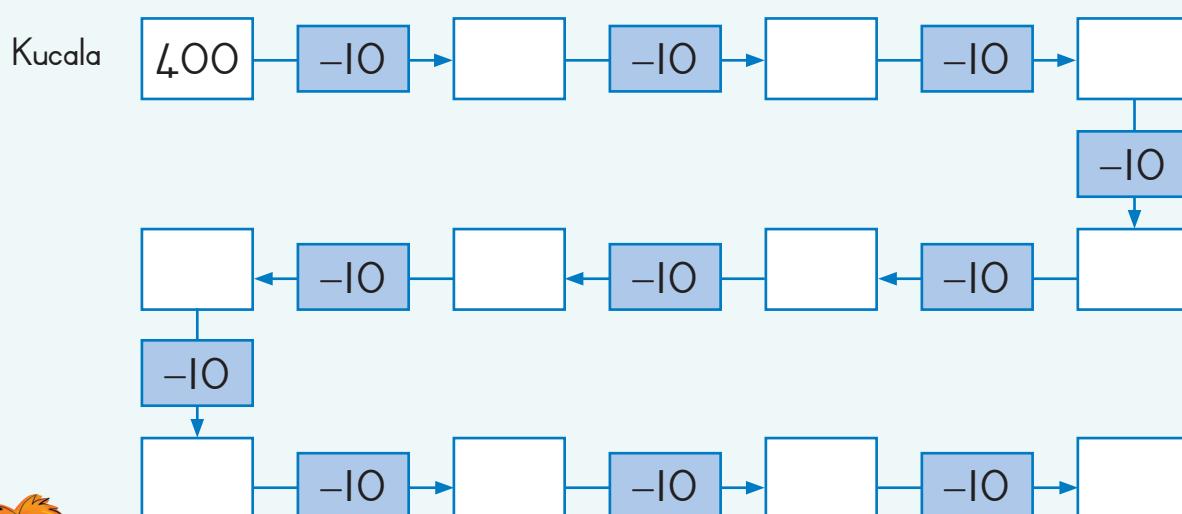


Bala uye embili nasemuva.

- a. Kubala uye embili ngemashumi usuka kuma -300



- b. Bala usuke kuma -400



Bhala kubé yinombolo yinyé.

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

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

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

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

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

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

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

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

Bhala tinombolo ngekulandzelana kwato kusuka kulencane kakhulu kuya kulenkhulu kakhulu.

 , , , , , , ,



Teacher: _____
Sign: _____
Date: _____

44

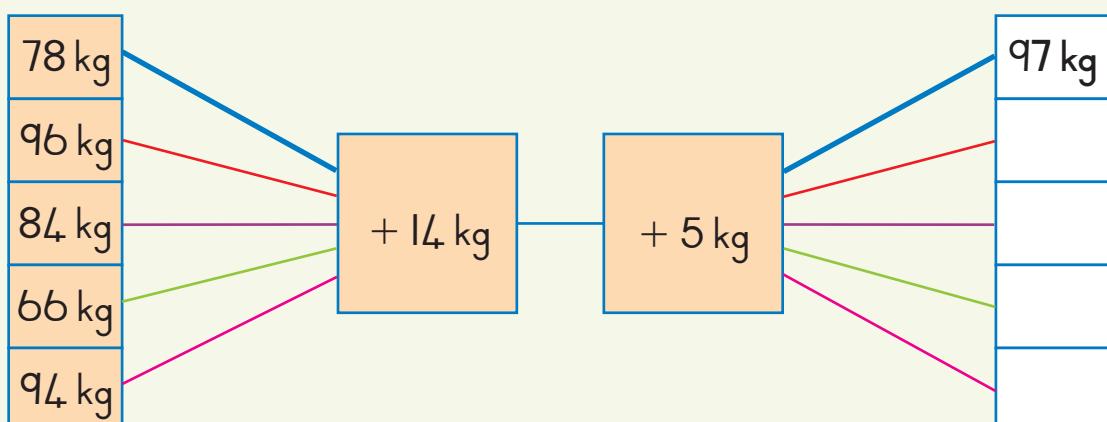


Ithemu 2



Inombolo lekhetsékile

Hlanganisa uphindze ubhale timphendvulo.



Kukala



Sondzeta bese uyengeta!

Cabanga ngekuhlakanipha!

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

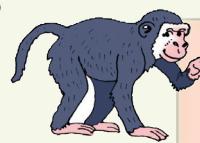
Sondzeta sisindvo sesilwane ngasinye ku 10 kg.

Bhala sisindvo sesilwane ngasinye ngekulandzelana kusuka kulesilula kuya kulesesindzako.

Yenta silinganiso sesamba sesisindvo saletilwane letisi -5 setitonkhe.



Hlanganisa lesisindvo 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:

.....

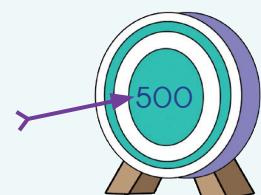
Ithemu 2



Bala uphindze ubhale

Umgomo 500

400



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.

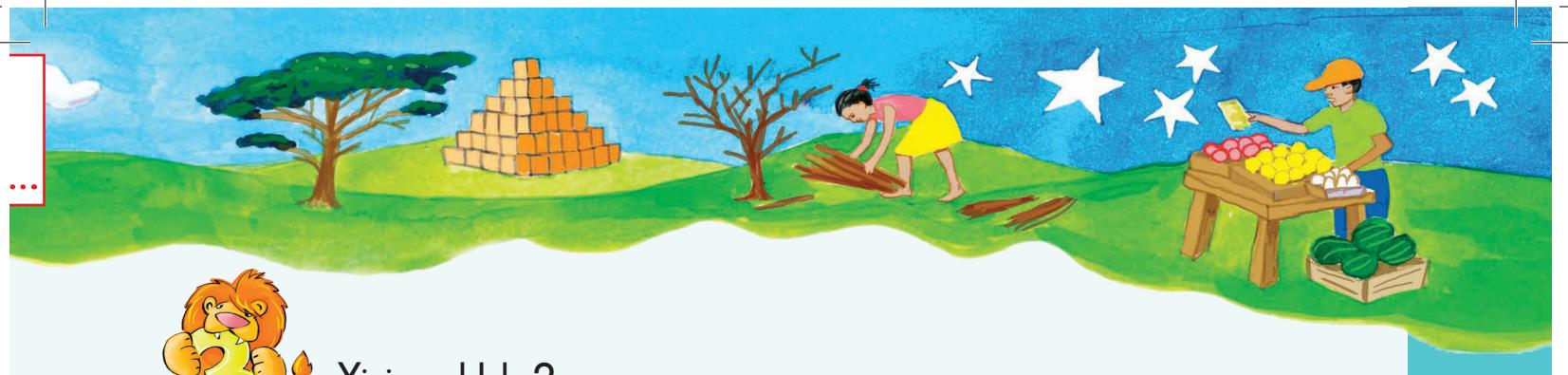
500; _____; _____; _____; _____; _____; _____; _____; _____; _____

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

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

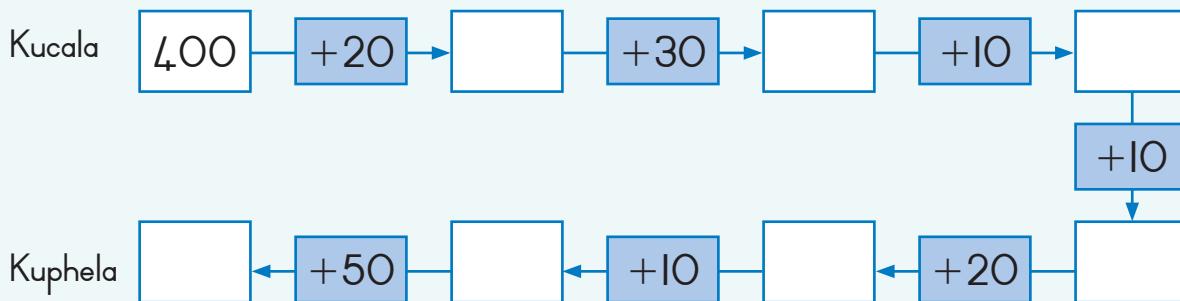
- e. Bala ngeti-5. Bhala tinombolo letisi-8 letilandzelako ngephethini yeti-5.

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

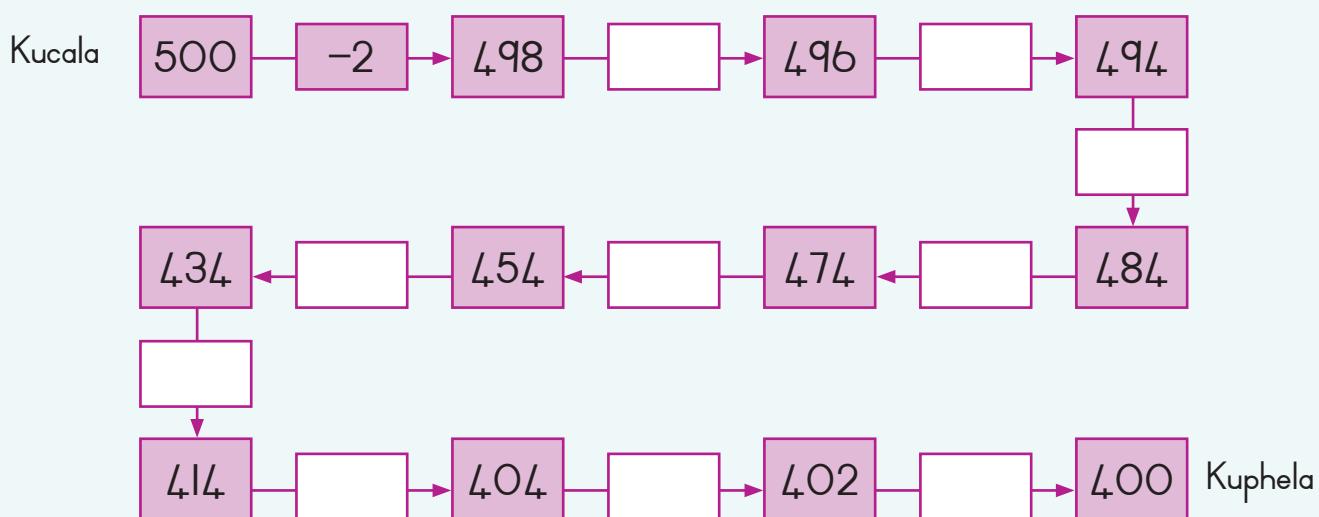


Yini umehluko?

- a. Balela embili kusuka kuma - 400.



- b. Balela emuva kusuka kuma - 500.



Khombisa etinombolo. Landzela lesibonelo.

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

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

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



46



Lusuku:

Ithemu 2

Kuhlanganisa nekususa

Yini lokubonako?

$\begin{array}{r} 200 \\ + 200 \\ \hline 400 \end{array}$ $\begin{array}{r} 50 \\ + 30 \\ \hline 80 \end{array}$ $4 + 5 = 9$	$\begin{array}{r} 400 \\ + 80 \\ \hline 480 \end{array}$ $+ 9 = 489$	
--	---	--



Sitawuphindze sisebentise indlela yaBusi naDumi kwengeta.

a. $245 + 231$

Indlela yaBusi

$$= 200 + 200 + 40 + 30 + 1$$

$$= 400 + 70 + 1$$

$$= 471$$



Indlela ya-Dumi

~~$$245 + 231$$~~

$$= 400 + 70 + 6$$

$$= 471$$

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

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

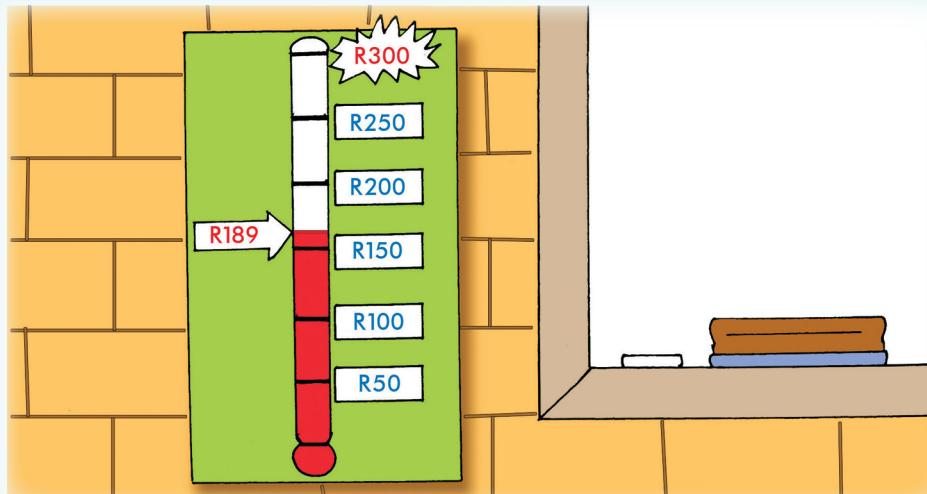


b. $489 - 456$

c. $482 - 161$



Kushaya inkoyoyo



Bukisisa lesifombe.

Kusele kanganani ushaye inkoyoyo?

R



Teacher:

Sign:

Date:

47



Lusuku:

Ithemu 2



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	q	IO	II	I2	I3
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
I4	I5	I6	I7	I8	I9	20	2I	22	23	24	25	26

Tinombolo temikhondvo	Imphendvulo	Luhlavu
Sibonelo: $2 \times 3 \times 3 \times 1 = \square$	I8	R
$50 + 50 + 50 + 100 - 200 - 45 = \square$		
$1 + 2 + 7 + 10 + 7 + 1 - 14 = \square$		
$60 - 30 + 50 + 20 - 50 - 15 - 20 = \square$		
$3 + 2 + 7 + 1 + 2 + 1 + 3 = \square$		
$5 + 3 + 30 = 4 + 2 + 12 + \square$		
$100 - 5 - 70 = 20 + \square$		
$36 + 44 - 60 - 22 = \square$		
$10 + 15 = 14 + \square$		
$2 + 1 + 14 + 9 + 14 = 25 + \square$		
$1 \times 2 \times 2 \times 2 \times 2 = \square$		
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 nangaKholtwane noma
kutfola R150 imali yonkhe yemphako
waletinyanga totimbili. Khombisa kutsi
ukubale njani loku.

Hlola. Catsanisa. Lungisa.



II 12 13 14 15 16 17 18 19 20

48

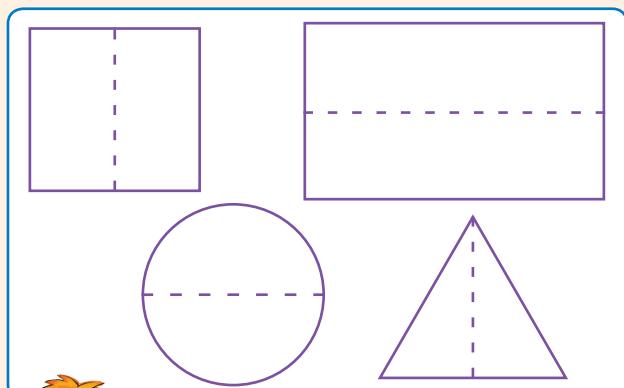


Lusuku:

Ithemu 2

Umugca-sibuko

Yini lokunakako ngalabobunjwa?



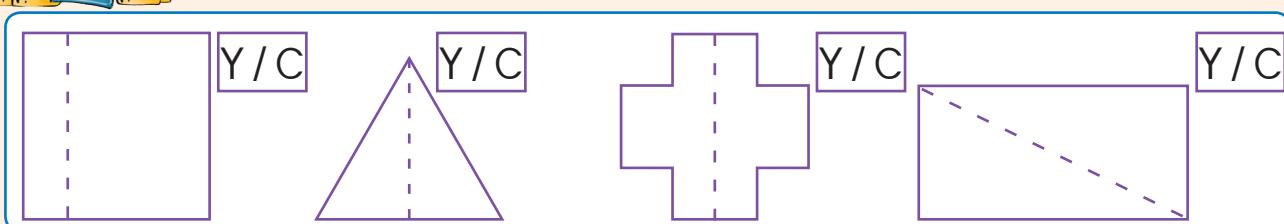
Dvweba umugca wesitfunti-mafanana waloyo naloyo bunjwa.

Umugca wesitfunti-mafanana ubhukula emkhatsini bohhaf u lababili kwente kutsi ihhafu iyinye if anane ncwe naleya lenye njengesitfunti esibukweni.

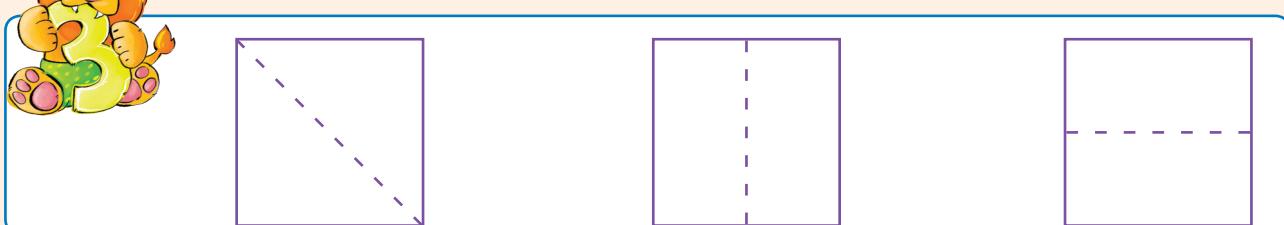
Bunjwa uba nesitfunti-mafanana uma ungamgoba emugceni wesitfunti-mafanana lapho khona labohhaf u lababili bafana njengemaphahla.



Umugca longemacashata ngabe ngewesitfunti-mafanana noma cha?
Kipilitela (Yebo) noma (Cha).



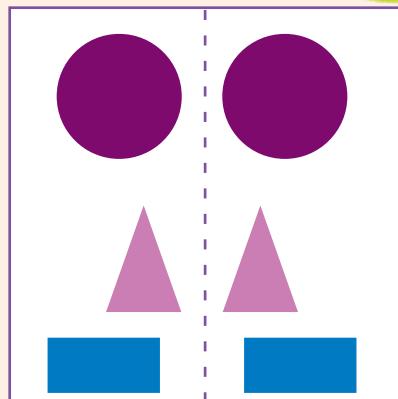
Ngabe nguwo umkhatsi-layini locondzile lo? Usho ngani?



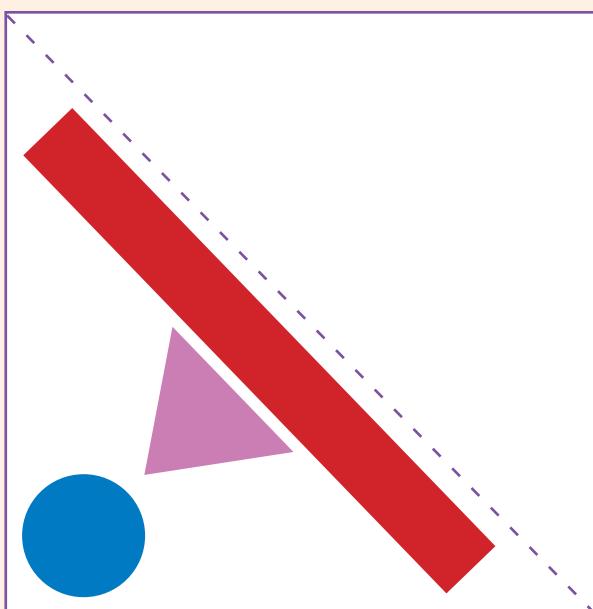


Dvweba bobunjwa kwenta sitfombe
sesitfunti-mafanana. Sikwentele
sibonelo sekucala.

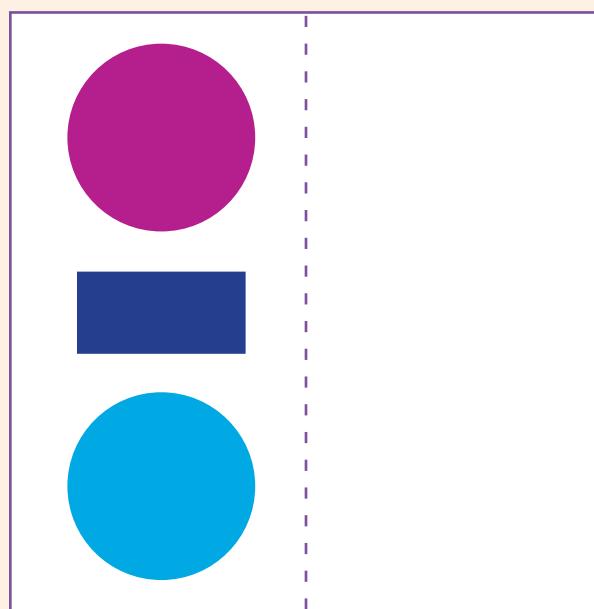
a.



b.



c.



Yakha lakakho
licansi
letitfunti-
mafanana
usebentise
bobunjwa.



Teacher:
Sign:
Date:

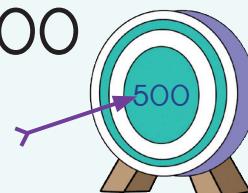
49



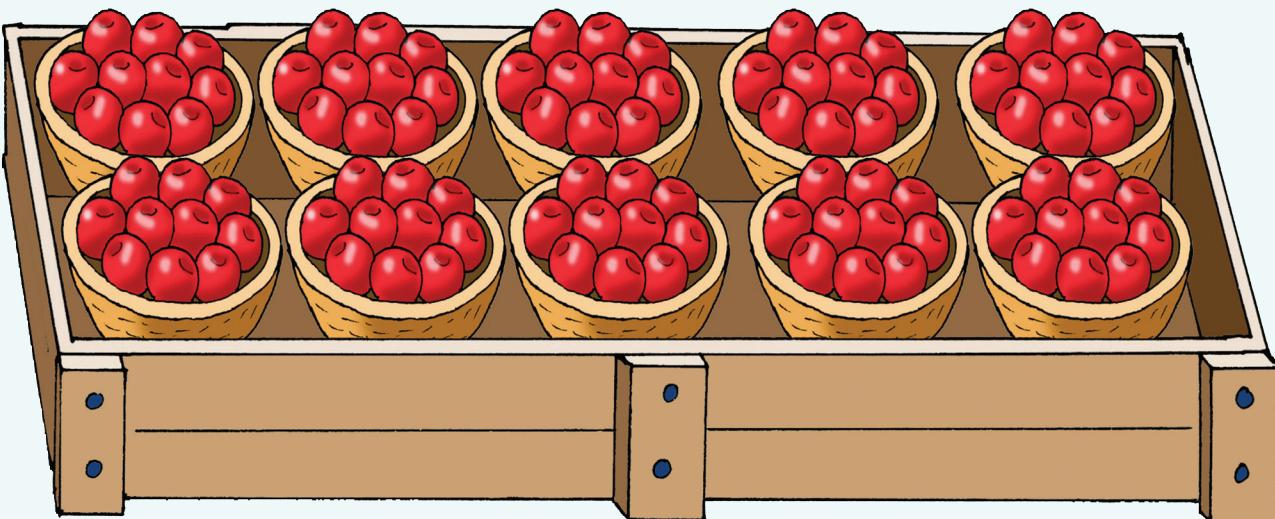
Lusuku:



Kwakha kufika kuma - 500

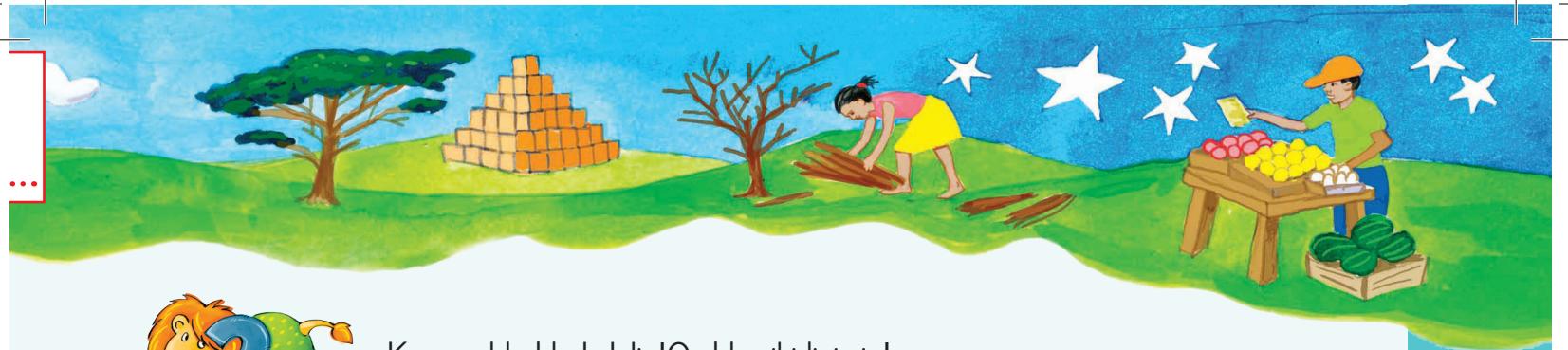


Kubala lamahhabhula



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.

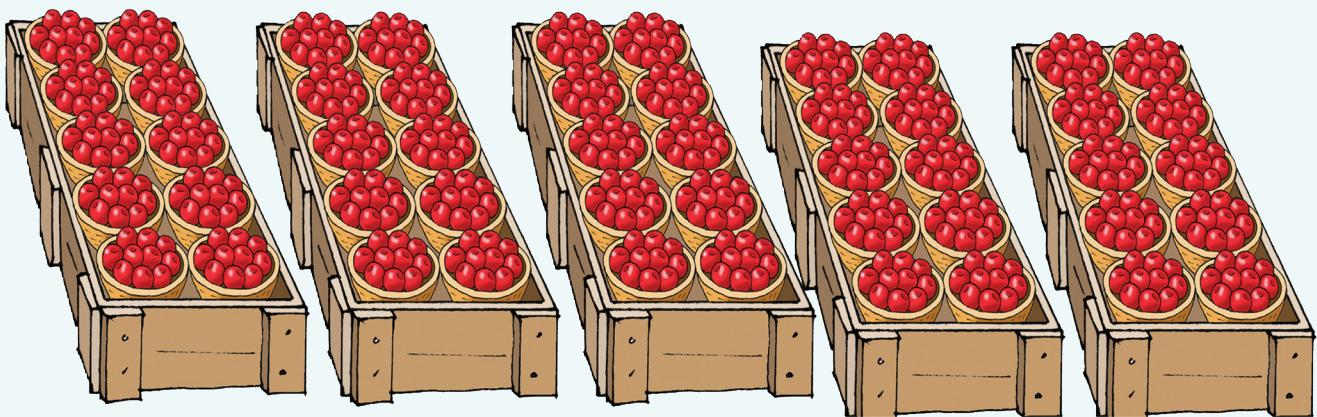


Kunemahhabhula lali-10 ebhasikidini yi-l.

Kuna _____ wemabhasikidi ekasini linye.

Kuna _____ wemahhabhula ekasini linye.

Mangakhi emahhabhula sekawonkhe? _____



Bala, ukhombise futsi ubhale

300

40

5

Kwekulala sebentisa emakhadi etinombolo kukhombisa ithothali ngayinye.

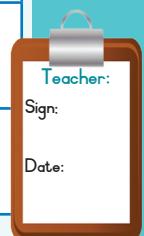
Emva kwaloko bhala lenombolo.

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

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

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

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



50



Lusuku:

Ithemu 2

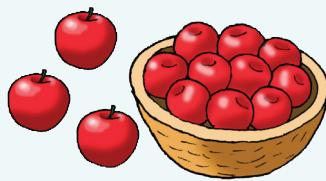
Kuphindzaphindza nekwaba nga (10)



Kubala emahhabhula.

Gcwalisa lelithebula.

Mangakhi emabhasikidi lacukatsa emahhabhula?

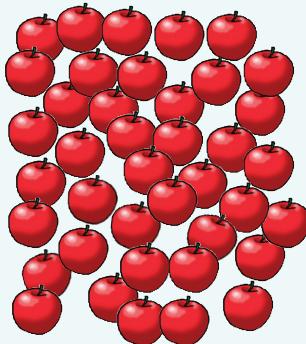


Emahhabhula		10	20	30	40	50
Emabhasikidi		1	2			
÷ sibalo						$50 \div 10 = 5$
× sibalo						$5 \times 10 = 50$



a.

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



Hlola timphendvulo takho

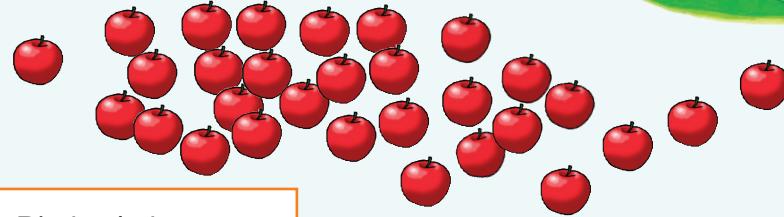
$$\square \div \square = \square$$

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





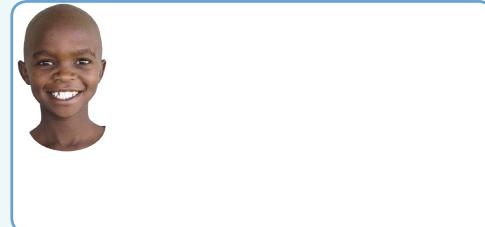
b.



Bhala sibalo se ÷



Bhala sibalo se
× kuhlolisia
timphendvulo takho.



Sebentisa letinombolo kwenta yakho imishonombolo.



Imishonombolo

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

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



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



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



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



Bhala inombolo lencane nga 10 nalenkhulu nga 10 kunaleyo leniketiwe.

$\boxed{}, 460, \boxed{}$	$\boxed{}, 390, \boxed{}$	$\boxed{}, 500, \boxed{}$
---	---	---



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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									
Linani lemgilavu	2								

b.

Ligilavu linye	20	21	70	73
Emapheya langentiwa				
Emgilavu 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, _____, _____
------------------------	------------------------	------------------------



11 12 13 14 15 16 17 18 19 20



Yila ngemathayili



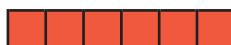
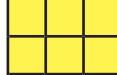
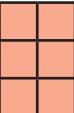
Kulungisellela kwenta ingadze

Make Mabena unemathayili lamahle.

Uwasebentise kupheva indzawo tsite engadzeni yakhe.

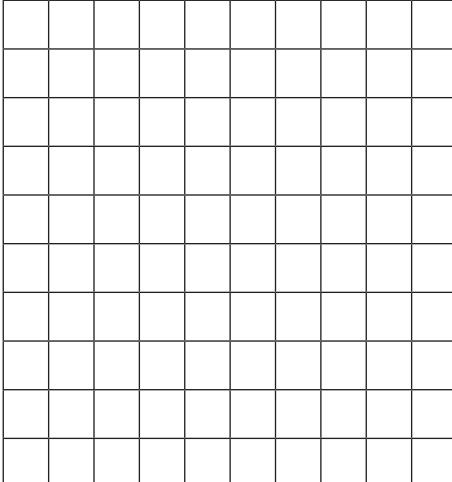
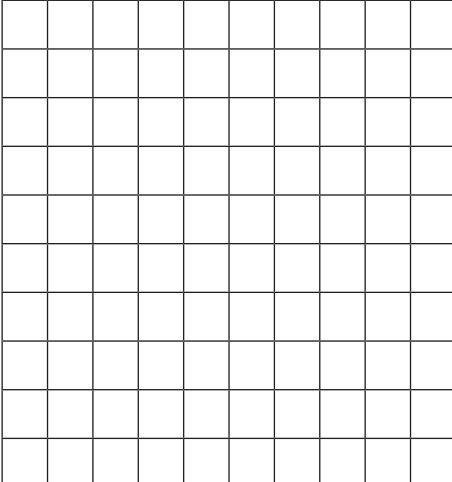
Kunemathayili lasi - 6 lalinganako.



Ngenegeta luhlu lu -1 ngemathayili lasi - 6 ngeluhla.	Ngenegeta tinhlu leti - 2 ngemathayili lama - 3 ngeluhlu.	Ngenegeta 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 kumabhuloki 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 qpheve 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 emabhluloki 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"/>



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Lusuku:

Ithemu 2



Ngeti-5 kuya ku ma-500

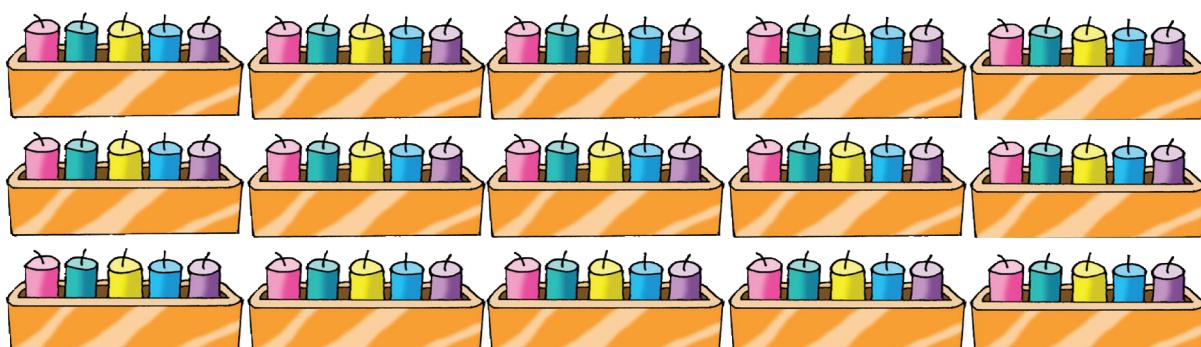
Yati ti-5 takho

Gcwalisa letimphendvulo.

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



Bala lamakhandlela



- Mangakhi emakhandlela ebhokisini ngalinye? _____
- Mangakhi emabhokisi eluheleni ngalunye? _____
- Mangakhi emakhandlela eluheleni ngalunye? _____
- Mangakhi emakhandlela sekawonkhe? _____



Khombisa imphendvulo yakho

Faka lumphawu (✓) imishonombolo lekhombisa linani leliphelele lemakhandlela.

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



Balela phambili nasemuva ngeti-5

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



Gcogca tindibilishi tabo R5



Bantfvana 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 uya jibona 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									



11 12 13 14 15 16 17 18 19 20

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Itthemu 2

Kusebenta ngesikhatsi



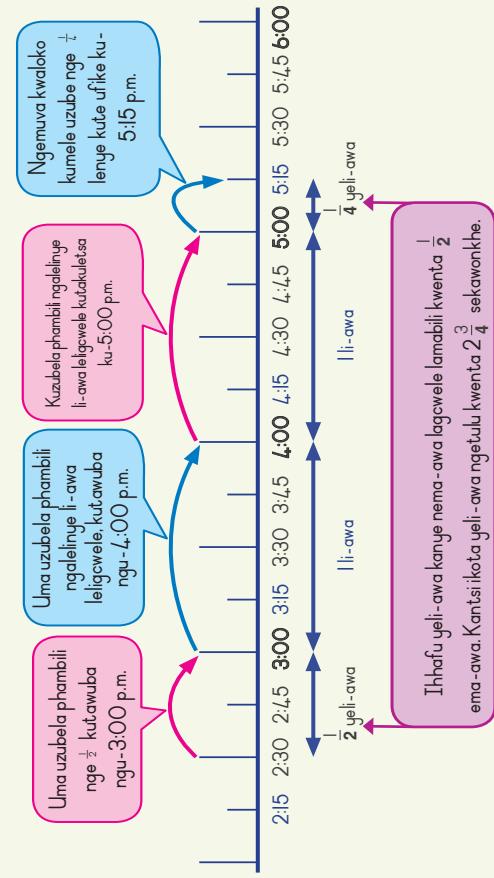
Dwweba letikhatsi

Kugabence insimbi yesi - 5	Kusele emashumi lasihlalu kutsi kushaqe insimbi yelishumi nakunge	Imizazu leishumi neshlunu ishauje insimbi yeli - 12	12:45	6:15	6:30						

Inkinga yesikhatsi



Ma ke wa Nomsa usuka ekhayanya - 2:30 p.m.
Ubuya emuva ekhayanya - 5:15 p.m. Uhambe sikhatsi lesingakanani?



Bulka. Catsuanssa. Lungisa.
Catulula inkinga ngayinye. Sebentisa imigcasikhatsi kukusta.

Tinkinga tesikhatsi

Catulula inkinga ngayinye. Sebentisa imigcasikhatsi kukusta.

a. Queenie uvakashela Babe wakhe emtfolamphilo ng-a-15:45 p.m. Usuka ng-a-17:15 p.m.
Uvakashe sikhatsi lesingakanani?

b. Musa uya apaki ng-a-10:45 a.m.
Ubuya ekhayanya ng-a-12:30 p.m.
Uhambe sikhatsi lesingakanani?

c. Tumi ucala kufundza ng-a-13:15 p.m.
Ucedza ng-a-14:45 p.m.
Ngabe Tumi ufundze sikhatsi lesingakanani?

Ihhafu yeli-awa kanye nema-awa lagcweler lamibili kwenta a $\frac{1}{2}$ ema-awa. Kantisikota yeli-awa ngetuлу kwenta $2\frac{3}{4}$ sekawonkhe.



55

Bala ngaku-3 nangaku-4

Emabhodo lanimilente lemi-3



Itthemu 2

Hanganisa bese
ubhalat timphendvoo



a. Mangakhi emabhodo eluheleni? _____

b. Mingakkhi imilente eluheleni? _____

c. Mangakhi emahelo emabhodo? _____

d. Mingakkhi imilente seyijonkhe? Khombisa kutsi ukubale njani loku.

Nagumuphi umusho nombolo lokkhombisa sekukonkhe.
 $2 \times 7 = \square$ $3 \times 7 \times 3 = \square$ $3 \times 4 \times 2 = \square$ $21 \times 3 = \square$

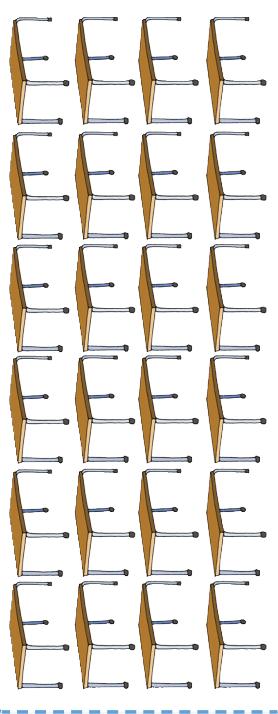
Mingakkhi imilente?
Cabanga ngekushesha
Cabanga ngekuhlaikanjipa



libhodo	3	imilente emabhodo	10	imilente emabhodo	5	imilente emabhodo	12
2		imilente emabhodo	15	imilente emabhodo	12	imilente emabhodo	
5		imilente emabhodo	13	imilente emabhodo	14	imilente emabhodo	



Imilente yelitafula



a. Mangakhi ematafula eluheleni? _____

b. Mingakkhi imilente eluheleni? _____

- c. Mangakhi emahelo ematafula? _____
- d. Mingakkhi imilente seyijonkhe? Khombisa kutsi ukubale njani loku.





Cedzela legridi ngekugcwalis ta mphendvoo.



2	3	4	5	6	7	8	9	10	11	12
× 3		6								
×	4		8							

Kumeli akhe mingakkhi leminye imilente yelitafula linye?

Umboti wakha ematafula. Ucale akhe imilente.
 Sewakhe ema-48 kwanjalo. Mangakkhi ematafula langawakha?

Teacher:
Sign:
Date:

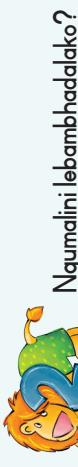
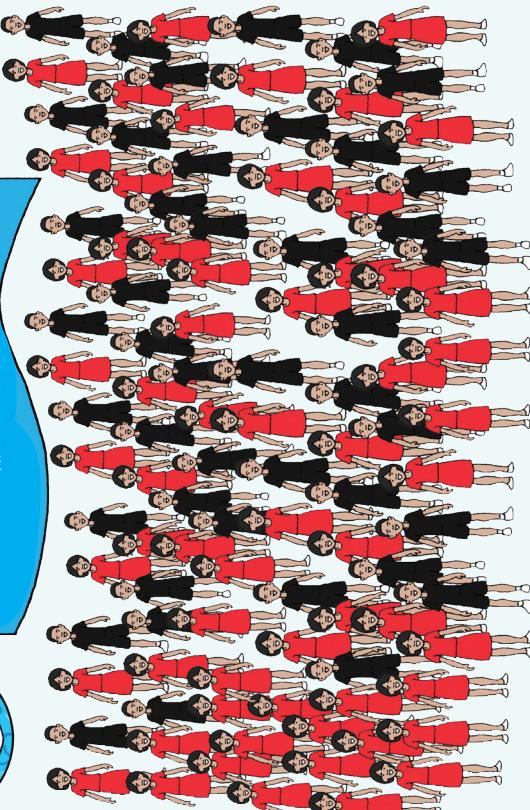
Sita bantfwanā

Umtfwanā munye, ingubo yinye!

Bangakhi bantfwanā? Linganisa, bese ugabala.



Ngubo yetitsema
Futufuna ta bantfwanā batfu
NPO 123-098



Ngumalini lebambhada lako?



Gwazi utsenga ti-2

Ubhaddala R

Make Chaane utsenga si-5

Ubhaddala R

Baka-Thembu Stores

Babbhaddala 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 ____	q	ngema-R50 = R ____

Bonke labantfwanā esitfombeni batfolia ingubo.

Bangakhi bantfwanā labapho? _____

Linganisa	Bala	Catsanisa
_____	_____	_____

Bangakhi ☺ bafana? _____ Mangakhi ☺ emantfombatana? _____

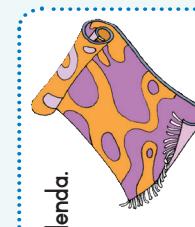


Kutawutsatsa sikhatsi lesingakanani? Sebentisa ikhalenda.

Likilisi lelibanga 3 ligogca imali yekutsenga tingubo leti-L.

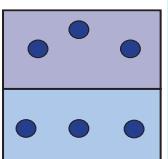
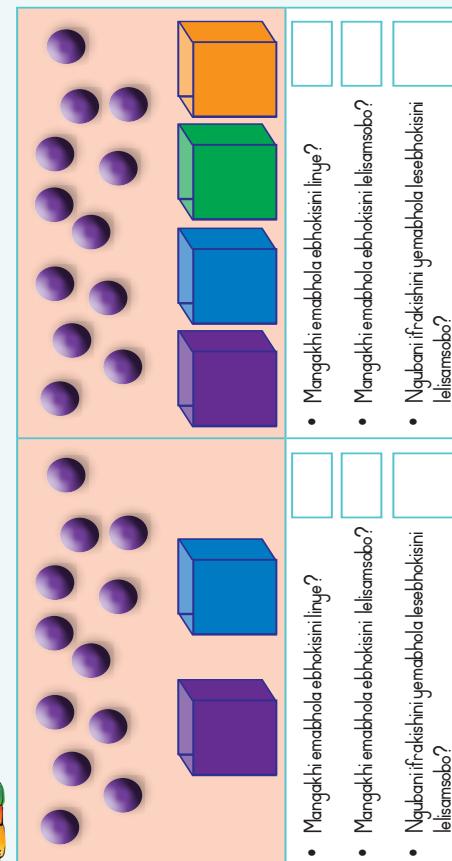
Bagogca R5 ngelilanga ngemalanga losi-5 ngeliviki.

Badzinga mangakhi emaviki kukoleka imali yaletingubo?



Emafrakishini: bohhafu nemakota

Yaba emabholo ngekulingana emkhatsini wemabhokisi



Tingakhi tindilinga longatibola?
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?

Tingakhi tindilinga lokugwele?
Buka letifombe bese ubhalia ifrakishini yencenye lefakwe umbala.

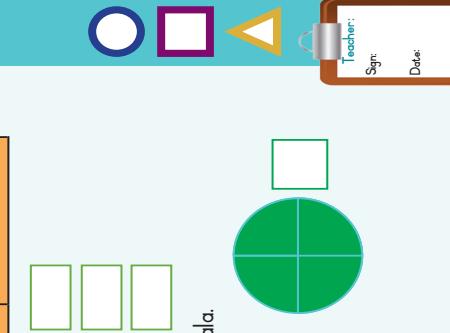
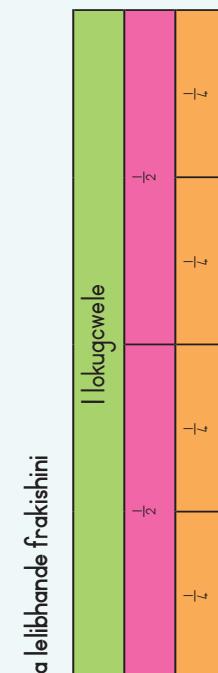
- a. Bangakhi bohhafu ($\frac{1}{2}$) abakha kunge lokugwele?
- Mangakhi emakota ($\frac{1}{4}$) lakha kunge lokugwele?
- Mangakhi emakota ($\frac{1}{4}$) lakha ihafu?

c. Ngujiphi ifrakishini lenkhulu $\frac{1}{2}$ nom a $\frac{1}{4}$?

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

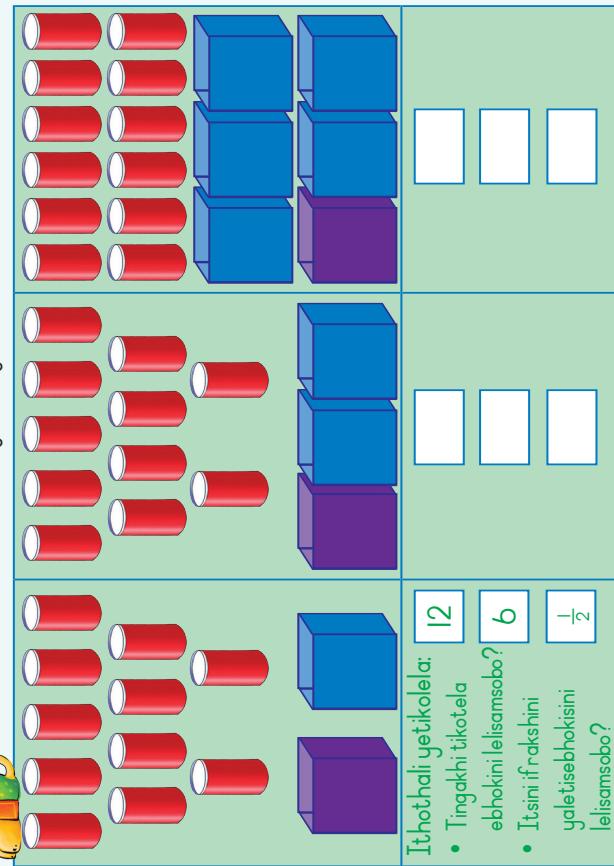
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Faka umbalaku $\frac{1}{2}$ waloyo bunjwa.	<input type="text"/>
Faka umbalaku $\frac{1}{4}$ waloyo bunjwa.	<input type="text"/>
Faka umbalaku $\frac{2}{4}$ waloyo bunjwa.	<input type="text"/>
Faka umbalaku $\frac{3}{4}$ waloyo bunjwa.	<input type="text"/>

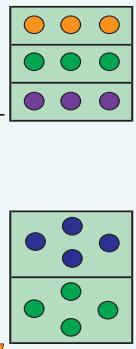


Emafrakishini: bohhafu, boncenyestifupha naboncenyestifupha

Yaba tukotela (emasi linda) ngadol kulingan dako emabihokisini.



Buka letitombé bese uphendula imbuto.



Tingakhi tindilinga longatibala?

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

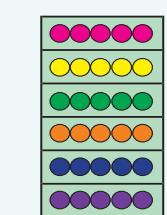
Ngubani $\frac{2}{3}$ yetindilinga?

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

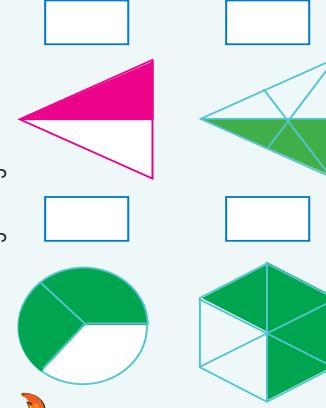
Ngubani $\frac{4}{6}$ yetindilinga?

Ngubani $\frac{5}{6}$ yetindilinga?

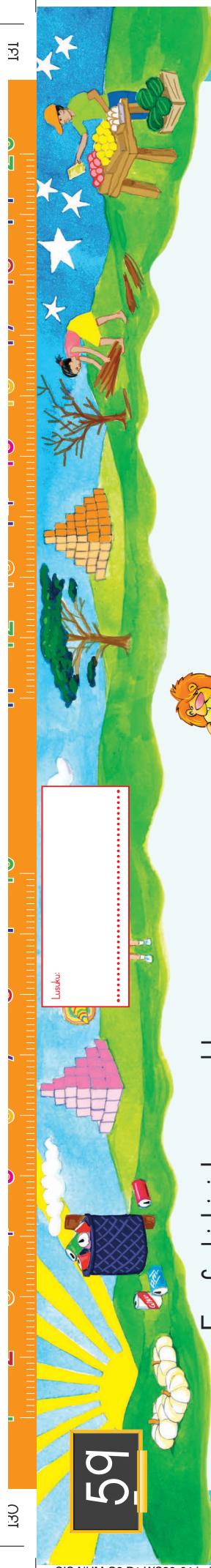
- | | |
|--|--|
| Ngubani $\frac{1}{3}$ wetindilinga? <input type="checkbox"/> | Ngubani $\frac{1}{6}$ wetindilinga? <input type="checkbox"/> |
| Ngubani $\frac{2}{3}$ wetindilinga? <input type="checkbox"/> | Ngubani $\frac{2}{6}$ wetindilinga? <input type="checkbox"/> |
| Ngubani $\frac{3}{3}$ wetindilinga? <input type="checkbox"/> | Ngubani $\frac{3}{6}$ wetindilinga? <input type="checkbox"/> |
| Ngubani $\frac{4}{6}$ wetindilinga? <input type="checkbox"/> | Ngubani $\frac{5}{6}$ wetindilinga? <input type="checkbox"/> |



Bhala ifrakishini yencenyé lefakwé umbala.



- Kiplitela ifrakishini lenkhulu.
- | | |
|------------------|---------------|
| a. $\frac{1}{2}$ | $\frac{1}{3}$ |
| b. $\frac{1}{2}$ | $\frac{1}{6}$ |
| c. $\frac{1}{2}$ | $\frac{2}{6}$ |

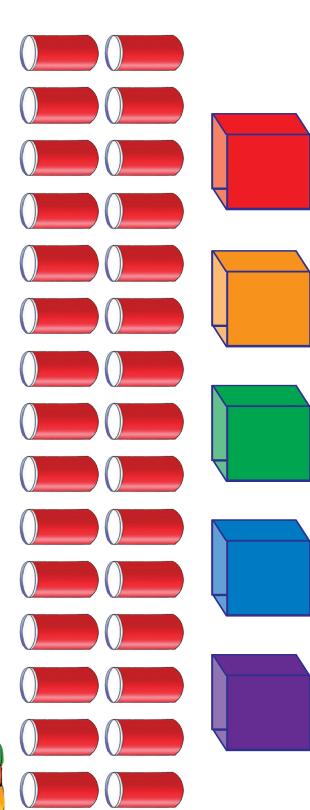


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Emfrakishini: boncenyeħħanu

Yaba tiktela emabhokisini.

Ithemu 2



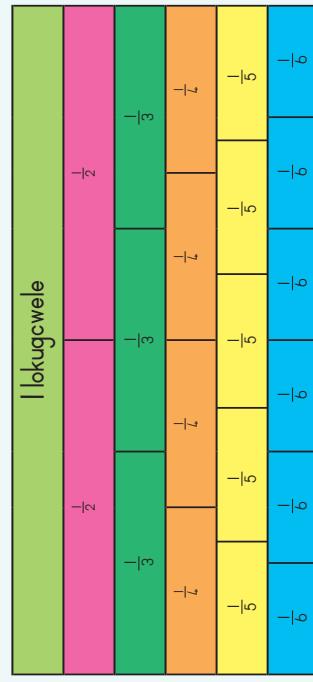
- Ku- $\frac{1}{3}$ emabhokisi kunetikotela letingu
- Ku- $\frac{2}{5}$ emabhokisi kunetikotela letingu
- Ku- $\frac{3}{5}$ emabhokisi kunetikotela letingu
- Ku- $\frac{4}{5}$ emabhokisi kunetikotela letingu
- Ku- $\frac{5}{5}$ emabhokisi kunetikotela letingu



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



Buka lamabhande frakishini bese upphendula 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 $\frac{2}{5}$.



Buka titifombe bese upphendula imibuto.

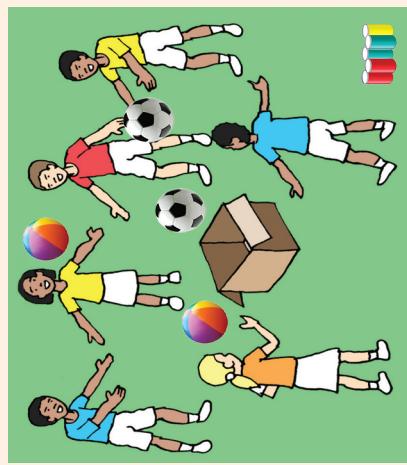
Mangħi emashħokoledi ebħokisini?

- incenye-sħilanu wemashħokoledi ujingana na
- tincenye-sħilanu tibbili wemashħokoledi ujingana na
- tincenye-sħilanu tintsa fu wemashħokoledi ujingana na
- tincenye-sħilanu tieu wemashħokoledi ujingana na
- tincenye-sħilanu leti sħilanu wemashħokoledi ujingana na
- Ngalelini lilangha ngadla i- $\frac{1}{5}$. Kusele mangaki emashħokoledi?
- Ngalelini lilangha ngaphindze ngadla i- $\frac{1}{5}$. Kusele mangaki emashħokoledi?

11 12 13 4 5 6 7 8 9 10

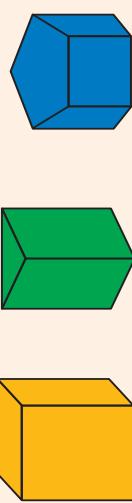
Tintfo letibusontsatu (i3D)

Bala emabbhokisi (emaprizimu).
 Bala emabbla (tiyingiliti).
 Bala emasilinda.

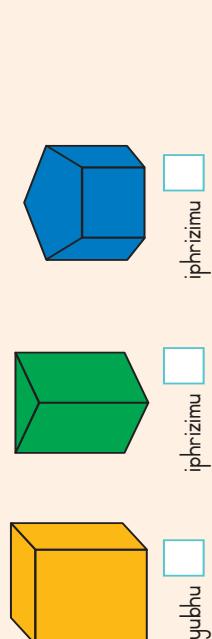


Loku konkhe ngemabhokisi.

Sebentisa Lokusikiwe lishadi 3 na 4 kwakha loku.



Yorukhe indzawo lesicabati kutsiwa buso. Namatselisa mandzamandza munye ebusweni ngabunye kulambbhokisi. Bungakhi buso lonamatselise kubo:



Buso bemaprizimu bulucabati nomabujindilinga?



Nyalo - ke yakhha umbhoshongo lokulokusikiwe lishadi 4.

Buso besilinda bulucabati nomabujindilinga?

60

Itthemu 2

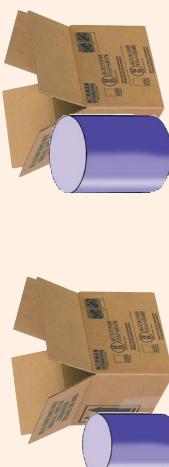
Sebentisa tintfo takho kwakha loku lkulandzelako.

Sebentisa emagama kuchaza simondzawo sesilinda.

ngetulu



ngembli



ngaseluhlangtsini

Sebentisa emagama langentasi kucedzela lemisho



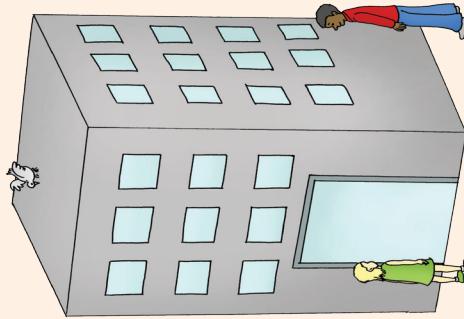
Intfombatana ibuke _____ kweadkihiwo.

Indvodza ibuke _____ kweadkihiwo.

Inyoni ibuke _____ kweadkihiwo

ngetulu

ngembli



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

61

Ithemu 2

Kuphindza nehhafu

Usakhumbla?

ku-2 ujihafu yø-4

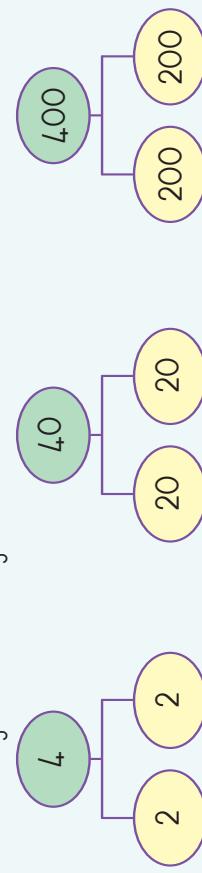
ema-40 ujihafu yø-40

ema-200 ujihafu yø-400

ema-400 ujihafu yø-400

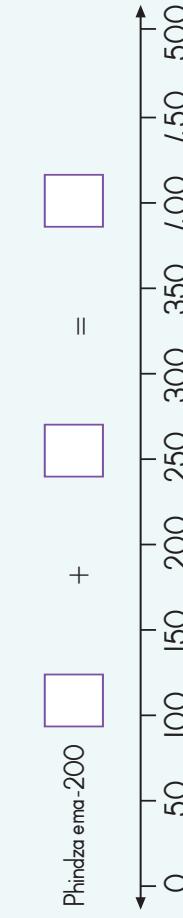
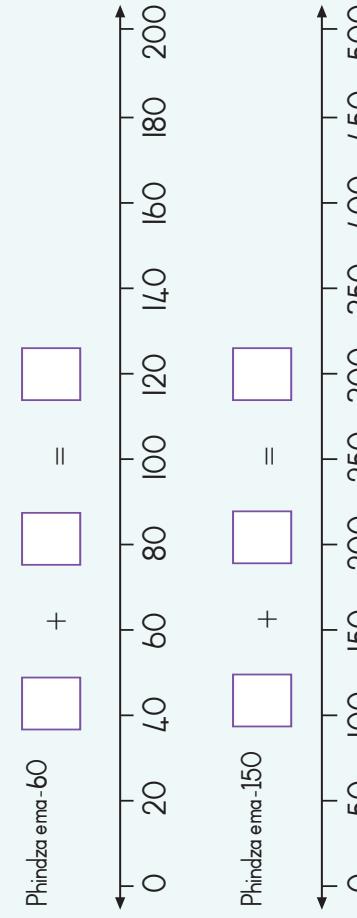
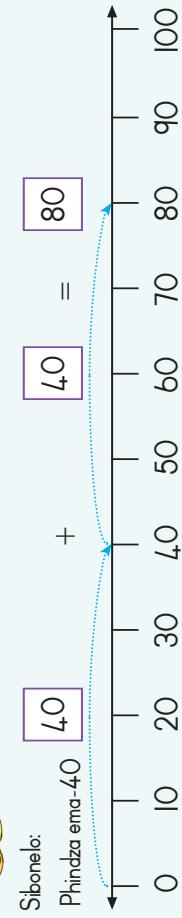
ema-4000 ujihafu yø-4000

Khumbula! Singakukhombisa loku ngekudweba umdwewebo ...



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

Phindza letinombolo usebentisa umugca nombolo. Sibonelo sekucala wentelwe.



- Cedzela lokulandzelako
- | | |
|----------------|-----|
| a. Hhafula 220 | 200 |
| b. Hhafula 180 | |
| c. Hhafula 260 | |
| d. Hhafula 60 | |
| e. Hhafula 320 | |

11 12 13 14 15 16 17 18 19 20

136

137

b2

Ithemu 2

Kuphindza kibili nehhafu kuyachubeka

Tfola lokuphindvwé kabili nobe emahhafu

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

Kongela libhajisikili.

Peter wongema-R25 ngeliviki kutsengä libhajisikili.
Kumeli onge emaviki lamangakhi?

Impendulvo:

Emaviki

Endalini

Tonkhe letintö titseengiswa ngelhafu yentsengo.
Bhalalentsengo eceleni kwentö ngayimye.



- a. Tingudo R190
Intseengo yekutsengisa ____
- b. Emashidi R154
Intseengo yekutsengisa ____
- c. Imitamelo R54
Intseengo yekutsengisa ____

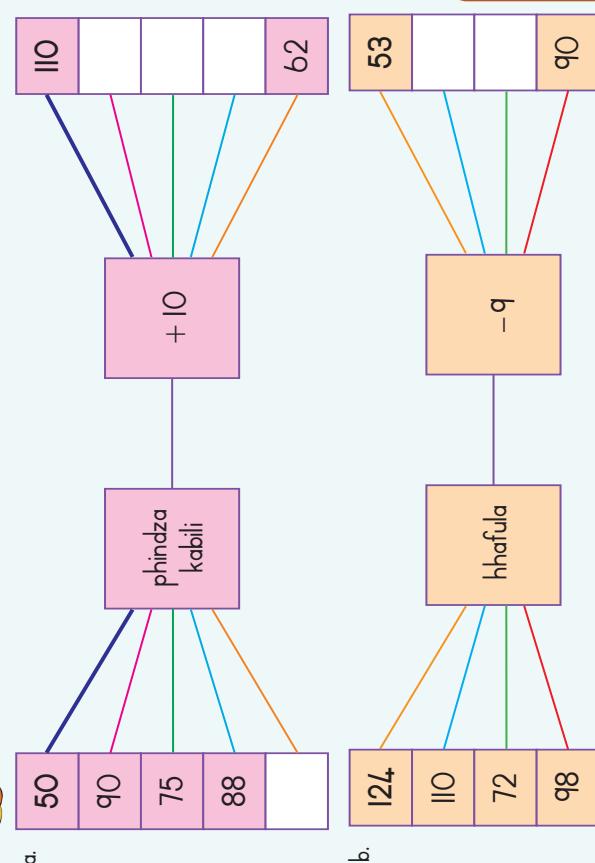
Mangakkii emarandi?

Musa ufunu lelihembe. Unehhafu kuphela yelinani.

Ri35	Usadzinga malini? R _____
R7850	Ticatfulo taPeter tibita lokuphindvwé kabili kwendlulela.
R97	Liloko laPhindi liphindza kabili intseengo yeleli. Ngabe ilokwe laPhindi libita malini? R _____

Yini lengenako? Yini lephumako?

Lanzela lesibonelo. Gcwaliswa tinombolo letingekho.



Indali R450
Intseengo lehhafu liwe:
beyingu R900

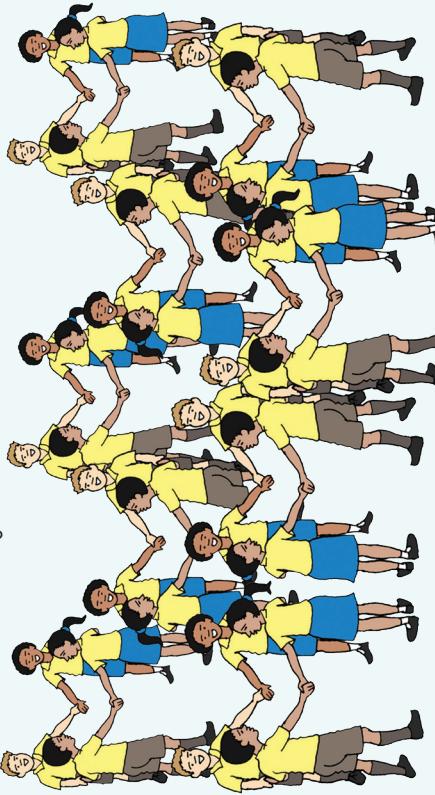
- b. Emashidi R154
Intseengo yekutsengisa ____
- d. Titulo R220
Intseengo yekutsengisa ____

63

Butsisa bese uyahlanganisa

Beka ndzawonye labantfvana

Nkhs Ndaba ufuna kwehlukanisa likilasi ngemacembu ebukhulu lobulingandako kutewudala ngaphondle. Kweku cala ubabekan ngemacembu aloba -4.



Ithemu 2

- Bangakhi labantfvana?
- Nkhs Ndaba wdkhe mangakhi emacembu?
- Tjengisa tonkhe letinye tindella tekukababutsanisa ngemacembu lobulinganako.

Buka. Catsanisa.
Lunjisa.

2

Tingakhi timphahla tekugcoka?

Phindi unemahembe lasi-5 emibala kan ye nemabhu lukwana lasi-5 emibala.
Tingakhi timphahla tekugcoka letehlukene langatentia
ngekuse bentisa tinhlanganisa la tehlukene temibala?

Sibonelo: Lihembe lellingangane/ emabhu lukwana lobulingangane. Lihembe lellingangane/
emabhu lukwana aliphoti.

Bhalaluhlavu lweku cala lwembala ngamunye. Khombisa tonkhe timphahla letingaba khona.

O
□
△

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

140



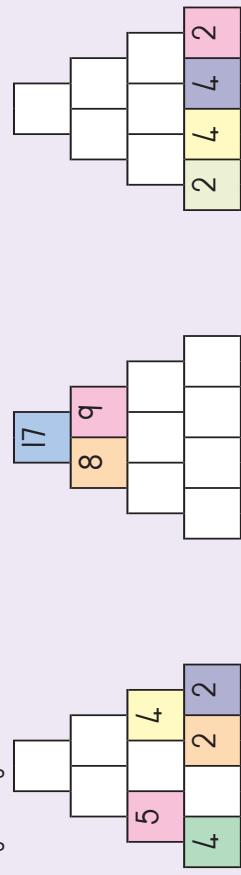
b4

Kutijabulisa ngetibalo

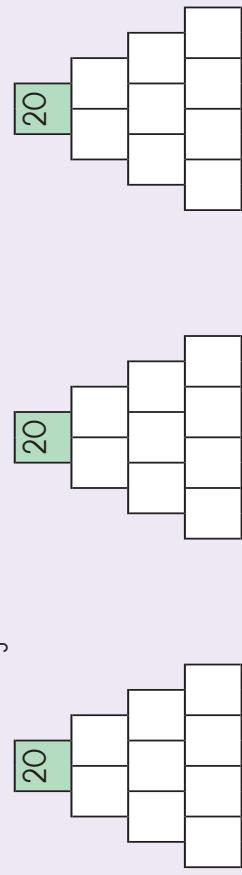
Tfola umtsetfo

Sebentisa lomtsetfo kutifola tinombolo letingekho.

Nyalo-ke yenta loku.



Yakha ufile kuma 20 ngötindella letintsatfu.



Sebentisa letinombolo 1, 2, 3, 4, na 5.

Letinombolo letintsatfu eluhlwini lunye kumele tente li-10 setionkhe.

Umtsetfo: Sebentisa inombolo yinye kanye.

Itthemu 2

Kutifola tinombolo

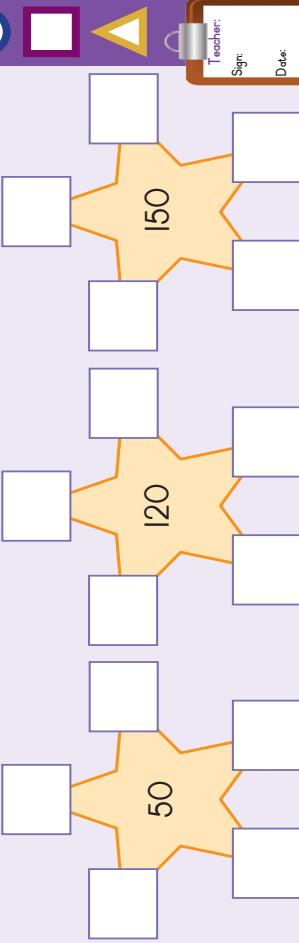
a. Umtsetfo: Tinombolo eluhleni ngalunye kumele tihlangana takhe li-16.

2	5	3	6
			2

b. Umtsetfo: Tinombolo leti-3, kuvundla nekuya phasi, tihlangana tente ithot halil efanako.

23	28	21
12		
	10	

c. Umtsetfo: Bhala noma ngutiphi tinombolo leti-5 letihlangana takhe inombolo lengekhatsi 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	O	2	O	O
3	3	O	3	O	O
4	4	O	4	O	O
5	5	O	5	O	O
6	6	O	6	O	O
7	7	O	7	O	O
8	8	O	8	O	O
q	q	O	q	O	O

I O O

I O I

2 O O 2 O 2

3 O O 3 O 3

4 O O 4 O 4

5 O O 5 O 5

6 O O 6 O 6

7 O O 7 O 7

8 O O 8 O 8

q O O q O q

Lokusikiwe 2

