

Kufundza ngeMtsetfo Sisekelo weNingizimu Afrika (1996)

UMtsetfo-sisekelo waseNingizimu Afrika (1996) ucuketse imitsetfo lesetulu yelive. Lemitsetfo ingetulu ngisho kwamengameli welive, tinkantolo kanye nahulumende. Ichaza kutsi bantfu belive kumele baphatsane njani, nekutsi ayini emalungelo abo kanye nemitfwalo labanayo ngalabanye. UMtsetfo Sisekelo welive ukhona kusivikela sonkhe nyalo kanye nebantfwabetfu ngakusasa.

Kufute sati ngelimuva letfu.

Asingawaphindzi emaphutsa ayitolo.

uMtsetfo Sisekelo usisita kutsi sicabange futsi sakhe likusasa lelihle lakhe wonkhe umntfu.

Tsine, bantfu baseNingizimu Afrika;
Siyakubona kungabi khona kwebulungiswa esikhatsini lesengcile;
Setfulela sigcoko labo labahlukunyetwa kuze sitfole bulungiswa nenkhululeko eveni letfu;
Sihlonipha labo labasebentile kwakha nekutfufukisa live letfu;
Siyakholwa futsi kutsi iNingizimu Afrika yabo bonkhe labahlala kuyo, sihangene ngekwehlukahlukana kwetfu.
Ngaloko-ke, ngetitfunywa lesikhetsesele tona ngenkhululeko, siyawemukela loMtsetfo-sisekelo njengemtsetfo lophakeme kunayo yonkhe eRiphabhulikhi kuze—
Kupheliswe kwehlukana kwayitolo futsi kwakhiwe umphakatsi losekelwe yintsandvo yelinyenti, bulungiswa ekuphileni kanye nemalungelo-sisekelo ebantfu;
Kubekwe sisekelo semphakatsi wentsandvo yelinyenti, longenamfihlo lapho khona hulumende abekwe ngetifiso tebantfu futsi sonkhe sakhamuti ngalokulinganako sivikelwe ngumtsetfo;
Kwentiwe ncono lizinga lemphilo yetakhamuti tonkhe futsi kukhululwe emakhono emntfu ngamunye; futsi

Kwakhive iNingizimu Afrika lehangene futsi yentsandvo yelinyenti lekwati kutsatsa indzawo yayo leiyifanele njengelive lelitibusako njengawo onkhe emave latibusako.

Tsatsa lilungelo lakho njengemntfu waseNingizimu Afrika bese utsatsa sigaba sakho kuvikela emalungelo alabanye.

Wati uMtsetfo Hlongotwako wemalungelo akho kanye neMtsetfo Hlongotwako weMitfwalo lobhekene nemntfu.

Nkulunkulu akabusise bantfu bakitsi Nkosi Sikelel' i-Afrika. Morena boloka setjhaba sa heso. God seën Suid-Afrika. God bless South Africa. Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.



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TIBALO NGESISWATI

Incwadzi 1
Emathemu 1 & 2



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Nkhskt. Angie Motshekga,
iNdvuna yeMfundvo Sisekelo



Dkt Reginah Mhaule, Liphini
leNdvuna yeMfundvo Sisekelo

Letincwadzi tekusebentela tikhicitelwe bantfwana baseNingizimu Afrika ngekuholwa yiNdvuna yeMfundvo Sisekelo. Nkhskt Angie Motshekga akanye neLiphini lakhe Dkt Reginah Mhaule.

LeTincwadzi Tekusebentela takaRainbow tiyincenye yemitamo yaleLitiko leMfundvo Sisekelo yekutfufukisa bafundzi baseNingizimu Afrika emabangeni ekucala lasitfupha ekufundza. Njengalomunye wemigomo lehamba embili eLuhlelweni lweKusebenta lwaHulumende, lomsebenti ukhokhelwe ngesihle Silulu seTimali saVelonkhe. Ngenca yalokusekelwa ngetimali, leLitiko leMfundvo liphumelele kwakha letincwadzi ngato tonkhe letilwimi letisemtsetfweni kulelive.

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

Siyetsemba bantfwana nabo batakujabulela kusebentisa letincwadzi basachubeka nekukhula nekufundza; nekutsi bothishela batawutfofokota kanye nabo.

Sifisela bothishela nebaFundzi imphumelelo basachubeka nekusebentisa letincwadzi tekusebentela.



Libanga 3



T i b a l o

NGESISWATI

Lencwadzi ya:

SISWATI

Incwadzi



Bala, hlukanisa uphindze ukhombise!



Tingakhi tinkhanyeti?

Catsanisa tymphendvulo.



Linganisa kutsi tingakhi tinkhanyeti. _____

Nyalo tibale. _____



Tfola lophumelele!

Ngubani lolinganise kancono? Gcwalisani emagama enu netymphendvulo kulelithebula.

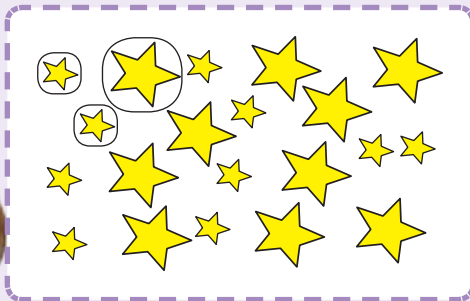
Ligama				
Linganisa				
Inombolo lebaliwe				
Umehluko emkhatsini wekubekisa kwakho nekubala kwakho				



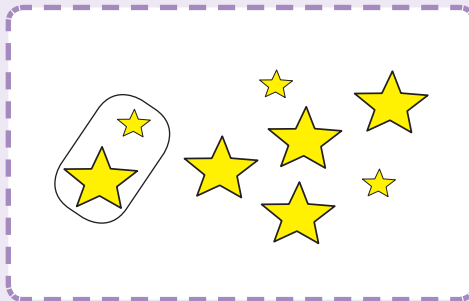
Tindlela tekubala. Sisite kutibhala phansi.



Ngibale ngaku-1 ngaku-1.



1, 2, 3, _____

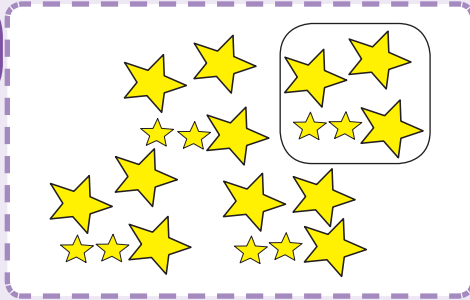


2, _____



Ngibale ngaku-2.

Ngibale ngeti-5 ngase



5, _____





Ngibala ngema-10.



Bhala imishotinombolo

Bala samba selinani letinkhanyeti letinkhulu naletincane esitfombeni ekhasini 2.

Uma uhlanganisa nobe ngutiphi tinombolo letimbili akukhatsaleki kutsi tihleleke njani.

Kukhulu Kuncane ngalendlela nobe ngalendlela



futsi njengemushonombolo.

_____ + _____ = _____ nobe _____ + _____ = _____

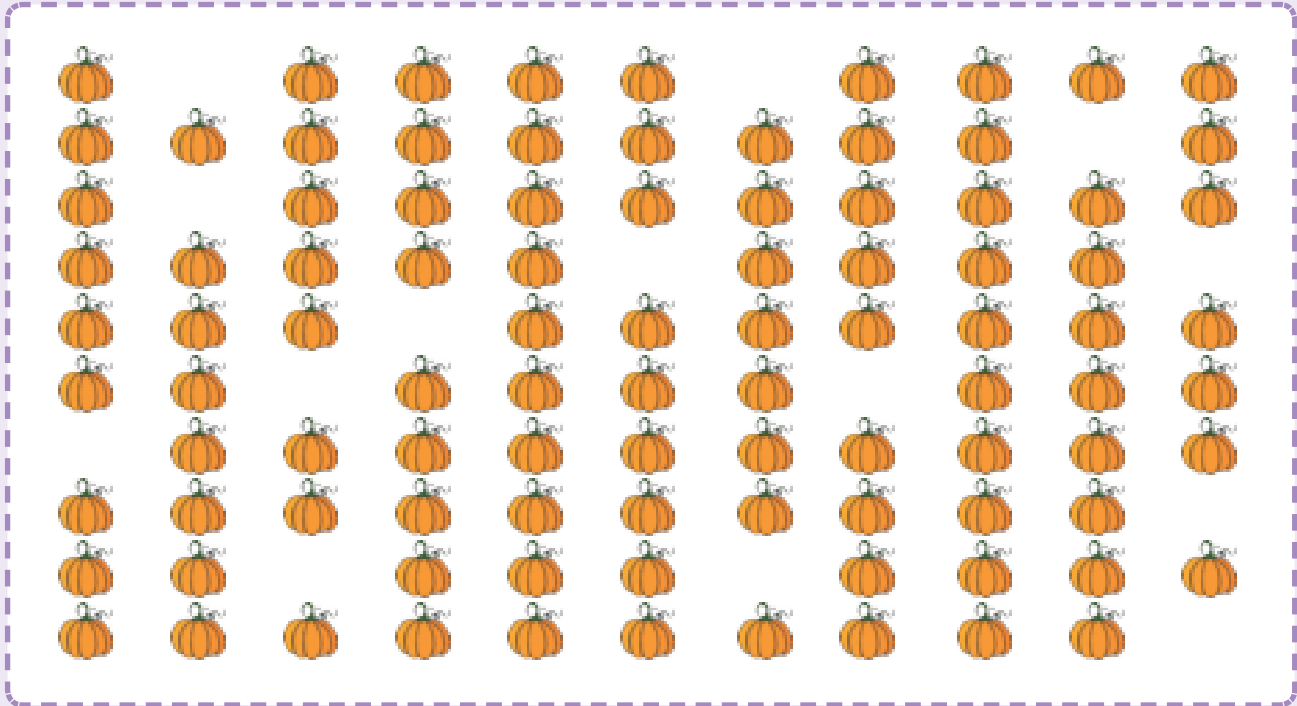
Teacher: _____
Sign: _____
Date: _____



Kubala ngekuhlakanipha

Bala lamatsanga

Tfola indlela lemalula yekuwabala.



Imphendvulo: _____



Pakisha ematsanga

Ematsanga lalishumi aya esakeni linye.



Mangakhi emasaka longawagwalisa ngalamatsanga? _____


Mangakhi ematsanga lasalako? _____

Mangakhi lamanye ematsanga ladzingakalako kugcwalisa lelinye lisaka? _____




Kusuka ku + kuya ku × (kuhlanganisa kuye kukuphindzaphindza)
Cedzela lemishonobolo.

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



a. $10 + 10 + 10 =$ _____
 _____ emacembu ema-10 = _____ \Rightarrow _____ \times _____ = _____



b. $10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 =$ _____
 _____ emacembu ema-10 = _____ \Rightarrow _____ \times _____ = _____



Tandla neminwe



Tingakhi tandla? _____ Mingakhi iminwe? _____
 Bhala imphendvulo yakho ngetindlela leti-2.
 _____ emacembu ema-10 = _____ na _____ \times 10 = _____

Teacher: _____

Sign: _____

Date: _____

3a

Lusuku:

Tinombolo ebhodini lelikhulu

Ithemu 1



Kukhuluma tinombolo

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

1	2	3	4	5	6		8	9	10
11									
						27			
			34						40
41									
				55					
		63							
71									
					86				
			94						100



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



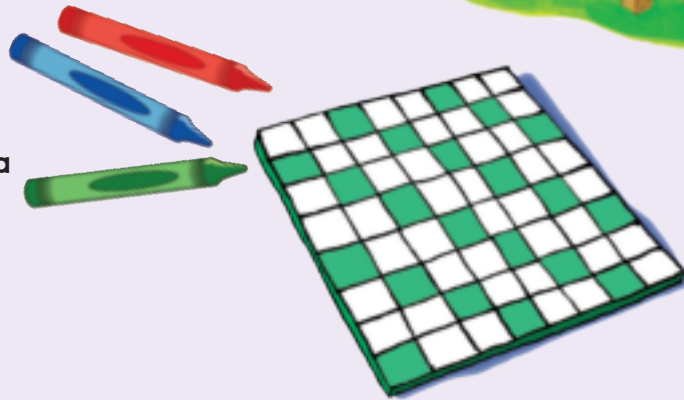
Bhala letinombolo ngemagama.

90	emashumi layimfica	41	
77		56	
14		65	



Kubala nekufaka umbala

Lungela kubala nekufaka umbala!



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91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																					
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	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

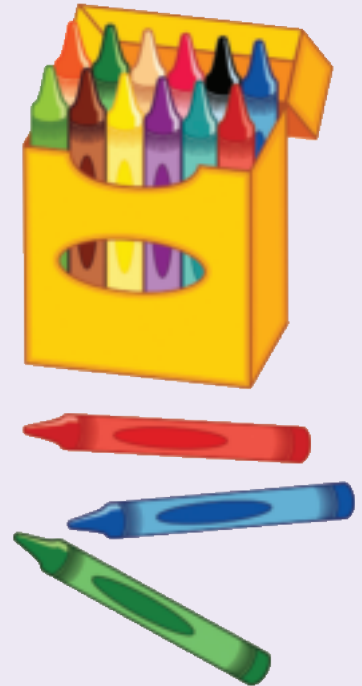
Tinombolo kugridi (siyachubeka)

Ithemu 1



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	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



Faka luphawu (✓) kuwo onkhe ema-10.	Faka siphambano (X) kuto tonkhe ti-5	Kipilitela (O) 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



Teacher: _____
 Sign: _____
 Date: _____

4

Tikhundla

Ithemu I



Khombisa tinombolo takho.

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

19

43

69

54

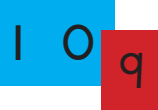
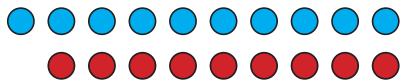
35

10

9

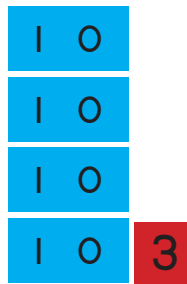
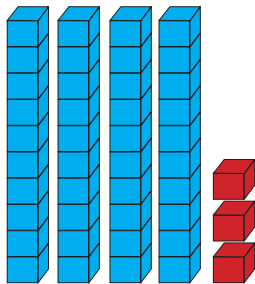


19



$$10 + 9 = 19$$

43



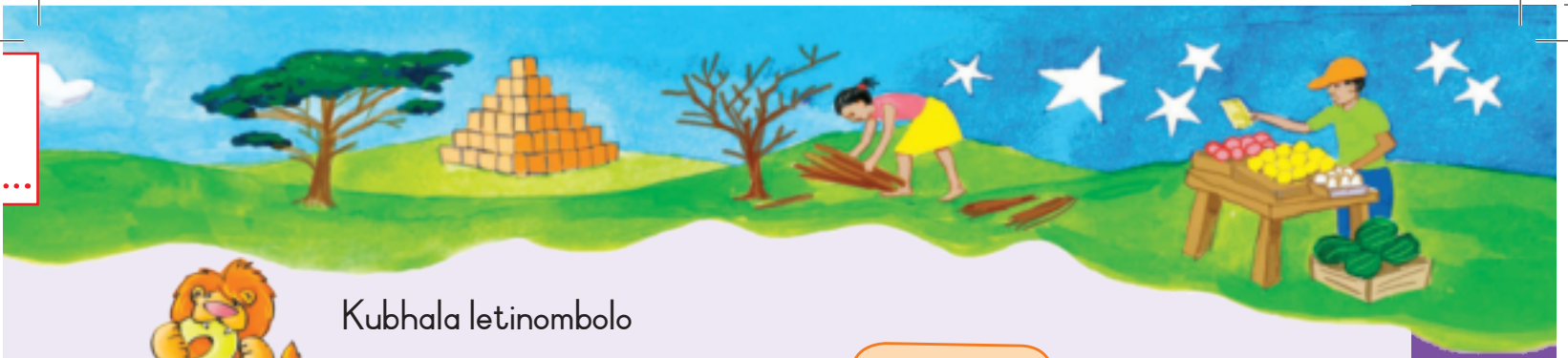
$$40 + 3 = 43$$

Ase utentele letinombolo usebentise lokujutjiwe I.

54

35

69



Kubhala letinombolo

Sikwentele yekucala

Singasho nekutsi
9 wabo l.

19	$10 + 9$	1 Lishumi + 9 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: _____

Kuhlanguanisa nekususa



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



a. Mangakhi emaphakethe latsengiswe nguLebo? _____

b. Bhala imphendvulo yakho njengemushonombolo.

_____ - _____ = _____

Bhala leminywe imishonombolo lesihlanu kukhombisa imphendvulo lefanako.

$15 - 9 = 6$ _____



Kutejwayeta kubala tinombolo $1 + 2 = 3$
Bhala timphendvulo.

Sebentisa ...

+ - =

$10 + 5 = \square$	$11 + 6 = \square$	$14 - 9 = \square$	$14 - 8 = \square$
$11 + 5 = \square$	$17 + 2 = \square$	$19 - 7 = \square$	$14 - 5 = \square$
$12 + 6 = \square$	$3 + 13 = \square$	$16 - 5 = \square$	$16 - 13 = \square$
$17 + 2 = \square$	$4 + 15 = \square$	$15 - 10 = \square$	$19 - 7 = \square$



Imindeni yetinombolo 5 9 14

Nati tibonelo talomndeni-nombolo.

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



Ungayitfola yini yonkhe imindeni-nombolo ya 14?

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



Ngitawenta njalo nange-12

12

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



Teacher: _____
 Sign: _____
 Date: _____

11 12 13 14 15 16 17 18 19 20

6

Lusuku:

Kuphindza kabili nekuhhafula

Ithemu I

Uyakhumbula?

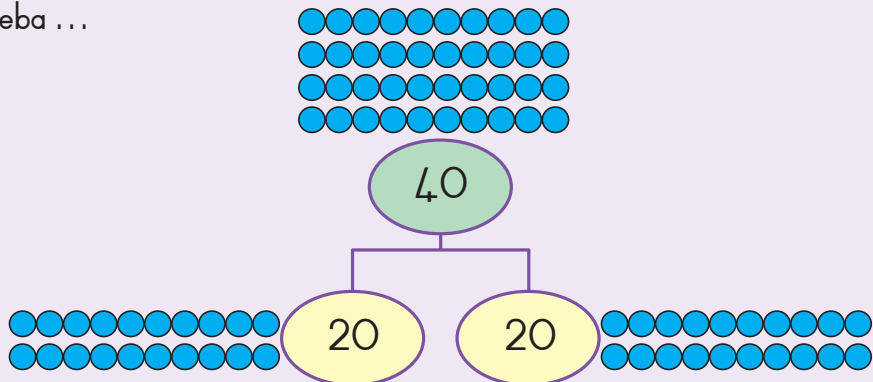
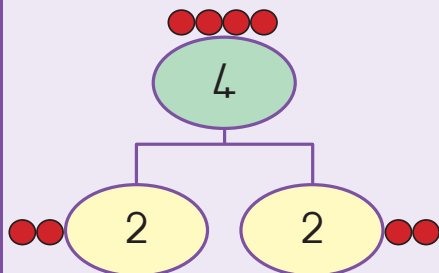
2 yihhafu ya-4

4 kuphindza kabili ku-2

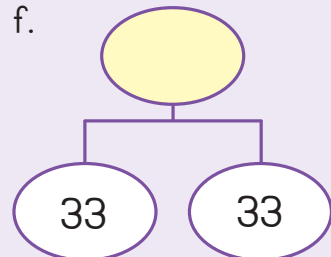
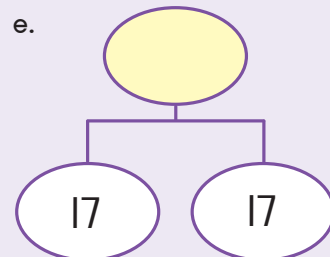
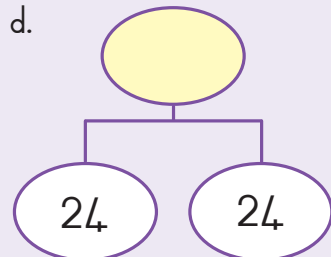
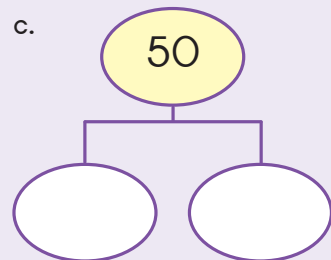
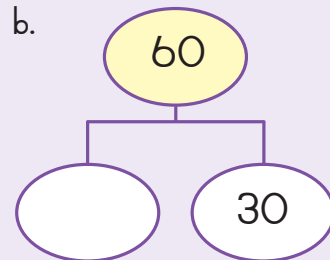
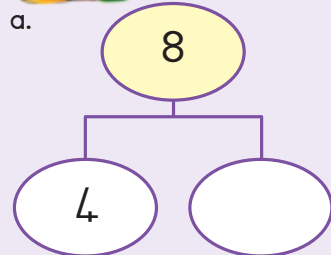
20 yihhafu ye-40

40 kuphindza kabili ema-20

Singakukhombisa loku ngekudvweba ...



Tfola letiphindvwe kabili nobe emahhafu



Insayeya

Tfola ihhafu ya 3.

Khombisa njengenombolo noma ligama-nombolo.

Umdvwebo ungahle ukusite.



Phindza letinombolo usebentisa imigcanombolo.
Uniketiwe sibonelo sekucala.

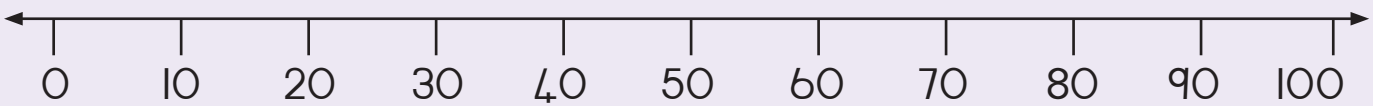
Phindza 4 + =



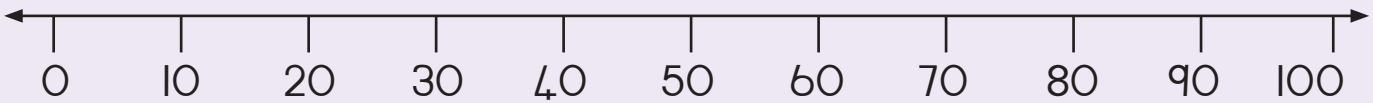
Phindza 5 + =



Phindza 20 + =



Phindza 40 + =



Cedzela loku lokulandzelako

a. Phindza 1	2
b. Phindza 6	
c. Phindza 10	
d. Phindza 30	
e. Phindza 50	



Cedzela loku lokulandzelako

a. Hhafula 6	3
b. Hhafula 8	
c. Hhafula 14	
d. Hhafula 60	
e. Hhafula 70	



Teacher: _____
Sign: _____
Date: _____

Emafrakishini

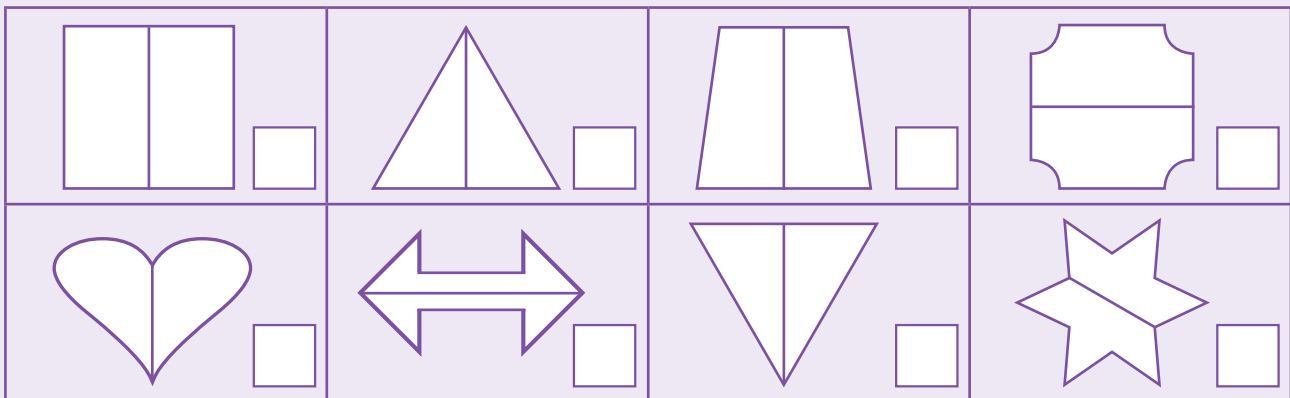
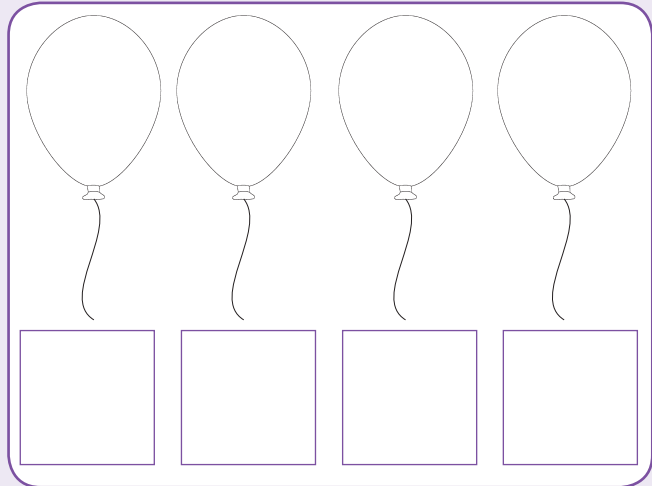
Faka umbala lobovu ekoteni yinye yemabhaluni, kulawa lamanye ufake lolingane.

Faka umbala lobovu ehafini yelibhoksi ngalinye.



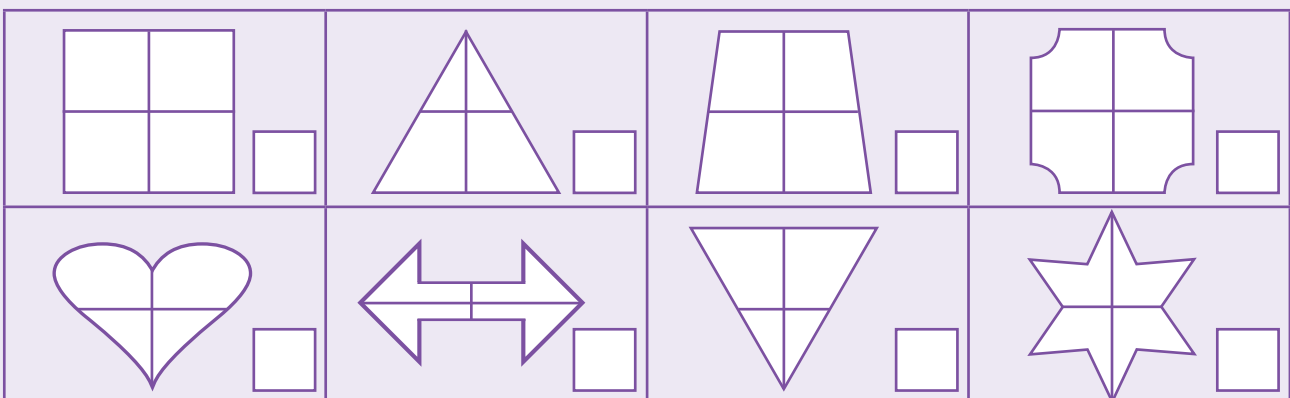
Bukisisa bobunjwa. Faka luphawu bobunjwa labakhomba bohhafu.

Faka umbala ehafini yinye yabunjwa lohlukaniswe ngabohhafu.



Bukisisa labobunjwa. Faka luphawu bobunjwa labakhomba emakota.

Faka umbala ekoteni yinye kuloyo naloyo bunjwa lohlukaniswe ngemakota.





Faka umbala ehhafini yalabobunjwa. Ngubani ihhafu yenombolo yalabobunjwa?

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



Faka umbala ekoteni yalabobunjwa. Ngubani ikota yenombolo yalabobunjwa?

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

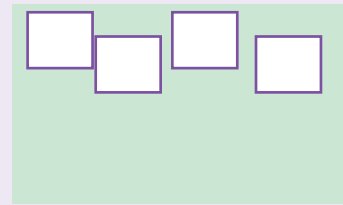
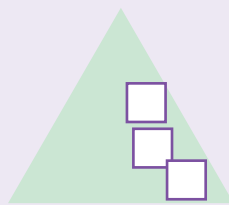
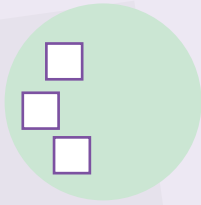


Bhala usebentisa inkhomba yefrakishini.

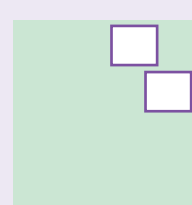
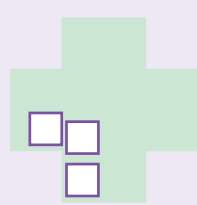
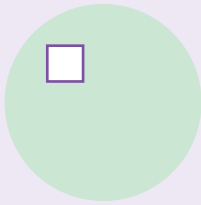
Ihhafu

Ikota

Dweba labanye bobunjwa kwenta labohhafu balingane.



Dweba labanye bobunjwa kwenta lamakota alingane.



Teacher: _____
 Sign: _____
 Date: _____

Kwehlukana imali

Ithemu I



Esitokifeleni

Make LaLubisi ubala futsi ehlukenise imali ecenjini.



Linganisa linani leliphelele. R _____

Bala imali. R _____

Catsanisa tilinganiso nemathothali.



Konga imali

Gugu wongela emapheya eticatfulo letibita R89.

Kwanyalo unehhafu yalelinani.

Weswela malini ngetulu?

Bhala umushonombolo kukhombisa imphendvulo yakho.





Ebhange

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



			Linani
			R _____
			R _____
			R _____



Insayeya

Kuvakasha eZu
Bantfu labadzala nebantfwana baya eZu.
Batsenga emathikithi ngema-R90.
Bangakhi bantfwana? _____
Bangakhi labadzala? _____
Ngabe ikhona lenye imphendvulo?
Labadzala _____ Bantfwana _____



Teacher: _____
Sign: _____
Date: _____

Emaphethini

Ithemu 1



Sebentisa lebhodi-nombolo ya 200 kuphendvula imibuto.

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	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200



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

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



Bhala tinombolo letilandzelako kuphethini ngayinye. Chubeka ufake umbala kuphethini. Yini loyibonako ngemaphethini lanembala munye?

Kubala ngesihlanu.

		5			10

Kubala ngakubili.

2	4				

Kubala ngakutsatfu

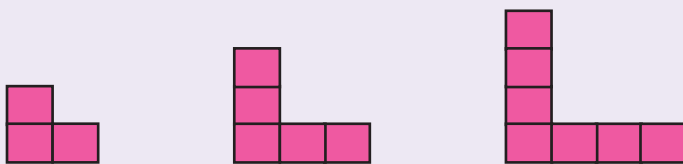
	3		6		

Kubala ngalokulishumi

									10



Nweba lephethini



Teacher: _____

Sign: _____

Date: _____

10

Lusuku:

Ithemu l

Emabhola, emabhokisi nemibhoshongo



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



Faka umbala emphendvulweni lengiyo.



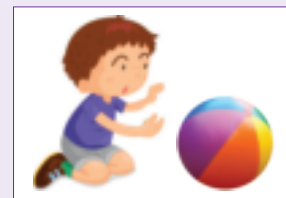
Libhokisi

kuyashelela kuyagicika



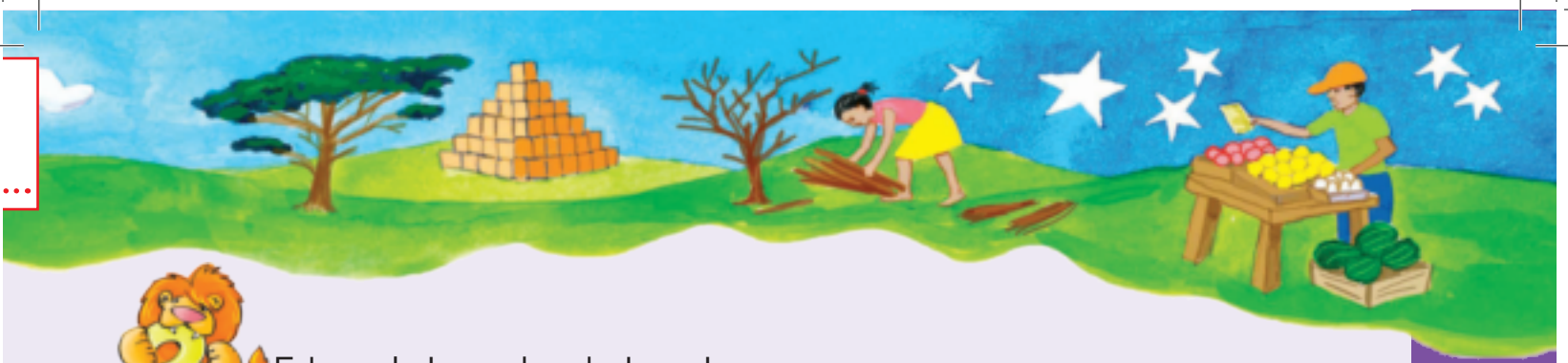
Isilinda

kuyashelela kuyagicika




Ibhola


kuyashelela kuyagicika




Faka umbala emphendvulweni lengiyo.




umnye le locondzile
umnye le locondzile



umnye le locondzile
umnye le locondzile




umnye le locondzile
umnye le locondzile




umnye le locondzile
umnye le locondzile




umnye le locondzile
umnye le locondzile



umnye le locondzile
umnye le locondzile




umnye le locondzile
umnye le locondzile




umnye le locondzile
umnye le locondzile




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




ngemuva	embikwe
eceleni kwe	etukwe



ngemuva	embikwe
eceleni kwe	etukwe



ngemuva	embikwe
eceleni kwe	etukwe



ngemuva	embikwe
eceleni kwe	etukwe



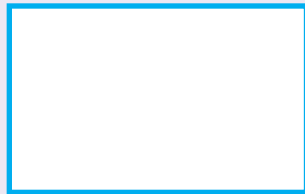
Teacher:
Sign:
Date:

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



Dvweba bobunjwa

Calantsatfu	
-------------	--



Indilinga	
-----------	--



Sikwele	
---------	--



Calandze	
----------	--



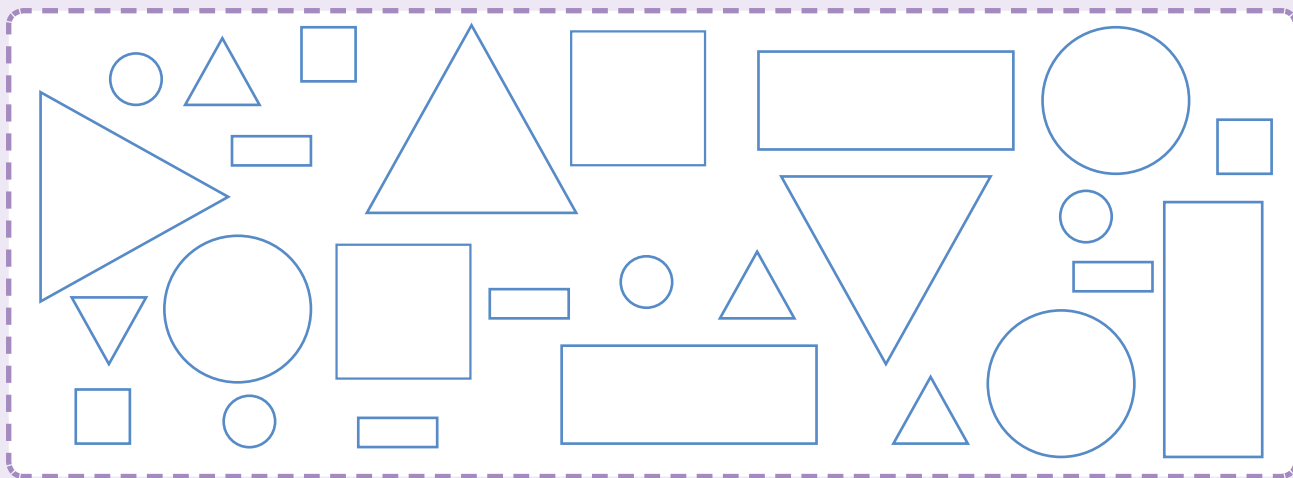
Bala labobunjwa

Bala kutsi bangakhi bobunjwa labafana nalona longabatfola kulesitfombe.



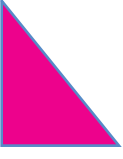


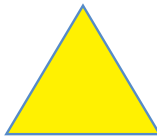

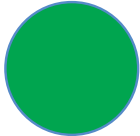


Faka umbala

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.

 kucondzile <input type="text"/> indilinga <input type="text"/>	 kucondzile <input type="text"/> indilinga <input type="text"/>	 kucondzile <input type="text"/> indilinga <input type="text"/>	 kucondzile <input type="text"/> indilinga <input type="text"/>
 kucondzile <input type="text"/> indilinga <input type="text"/>	 kucondzile <input type="text"/> indilinga <input type="text"/>	 kucondzile <input type="text"/> indilinga <input type="text"/>	 kucondzile <input type="text"/> indilinga <input type="text"/>

Teacher:

Sign:

Date:

Kwendlula kwesikhatsi



Fundza sikhatsi

Ngabe lamawashi akhombisa tiphi tikhatsi?



___ enhloko

___ enhloko

___ enhloko

___ enhloko



Zuba ngasewashini

Sita Gundvanyana kubala imizuzu ngabo 5.
Cala kuli-12. Bala ufike ekugcineni.

Mingakhi imizuzu loyibalile? _____

Mingakhi imizuzu e-aweni li-1? _____



Bhala sikhatsi

Dweba 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			

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

Ngikhona kubona iphethini.



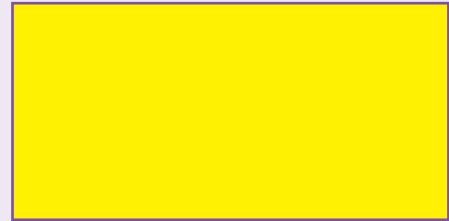
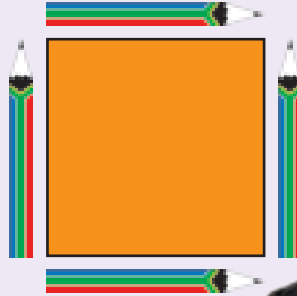
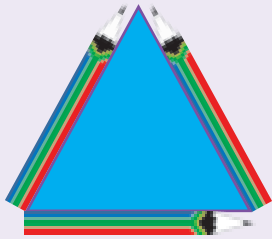
Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

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



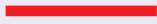
Bubanti

Utisebentise kanjani tipeniseli kubala?

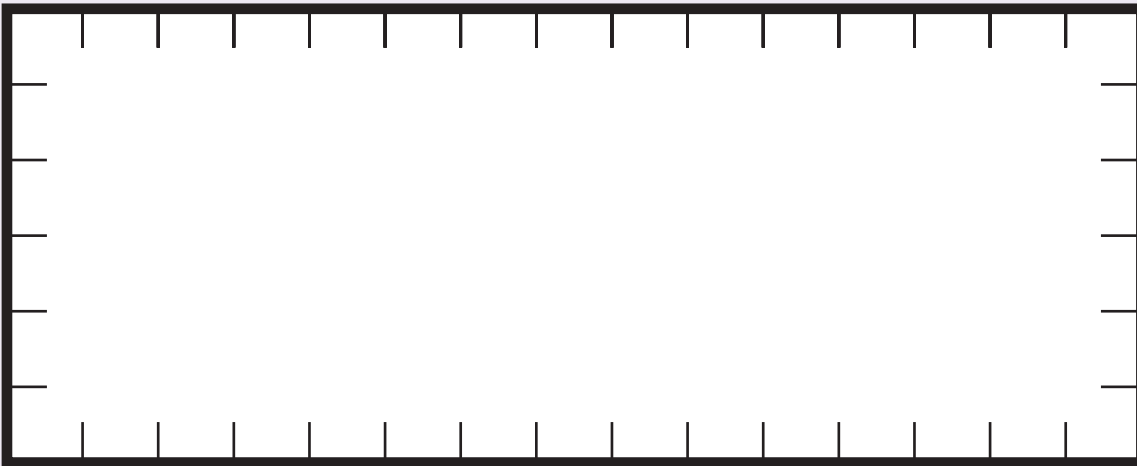


Budze lobuyimfihlo

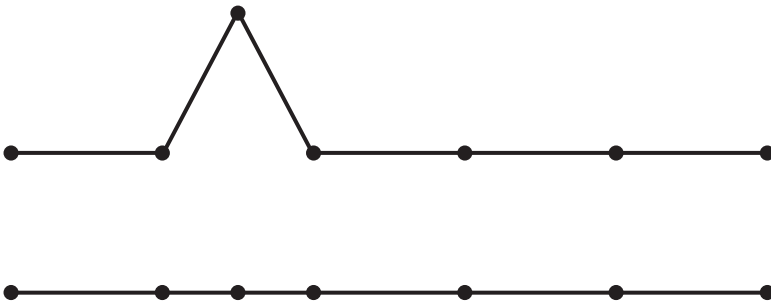
a. Mingakhi imigca lebovu loyidzingako kumbonya lomugca lomnyama ?



b. Mingakhi imigca lebovu loyidzingako kuhamba ugegelete wonkhe localandze?



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



Imphendvulo _____

Kungani? _____



Teacher: _____

Sign: _____

Date: _____



Umtsamo

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

Kusele tingakhi tinkomishi temanti kutsi lesikotela sigwale?



Tingakhi tinkomishi temanti letikulesikotela?

Sidzinga tingakhi tinkomishi kutsi sigwalise lesikotela?



Esikoteleni Sidzinga lokungetulu



Esikoteleni Sidzinga lokungetulu



Esikoteleni Sidzinga lokungetulu



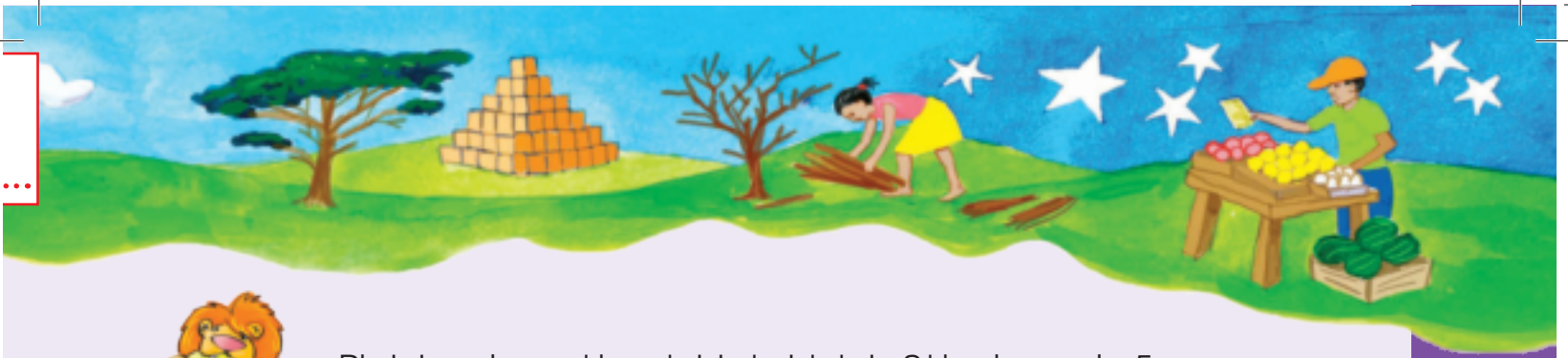
Esikoteleni Sidzinga lokungetulu



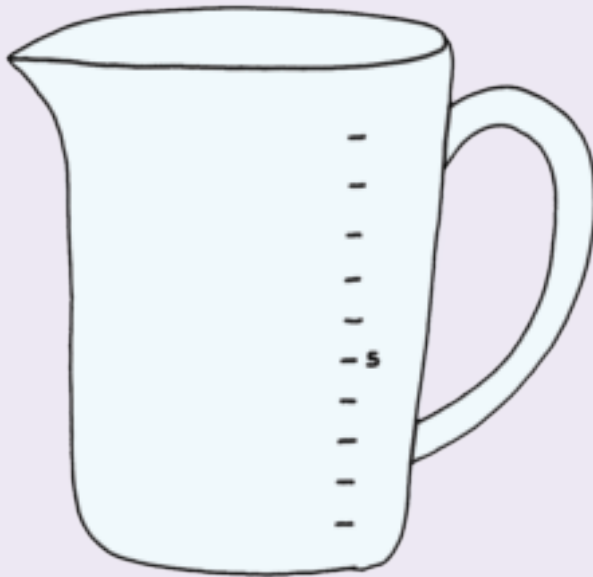
Esikoteleni Sidzinga lokungetulu



Esikoteleni Sidzinga lokungetulu



Bhala letigaba temikhatsi kulelijeke lekukala. Sikhombise sigaba 5.



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

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



Faka luphawu tikotela letimumatsa ilitha yinye yemanti.



Teacher: _____
 Sign: _____
 Date: _____

Sisebenta ngesisindvo



Asilinganiseni sisindvo setfu!

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

Silinganiso sisindvo ngemakhilogramu. Sisebentisa lesifinyeto: kg.

Ngubani lonesisindvo lesikhulukati?



41 kg



38 kg



41 kg



42 kg

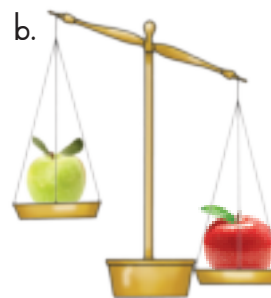
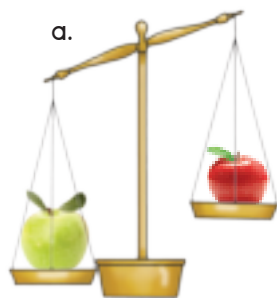


39 kg



Sisebentisa sikali - masimama kukala sisindvo.

Kulesikali omabili emahhabhula esindza ngekulingana.



Phendvula umbuto: bhala a noma b.

Ngukusiphi sikali lapho khona lihabhula leliluhlata

limatingana kunelihhabhula lelibovu

Ngukusiphi sikali lapho khona lihabhula leliluhlata

limalulana kunelihhabhula lelibovu



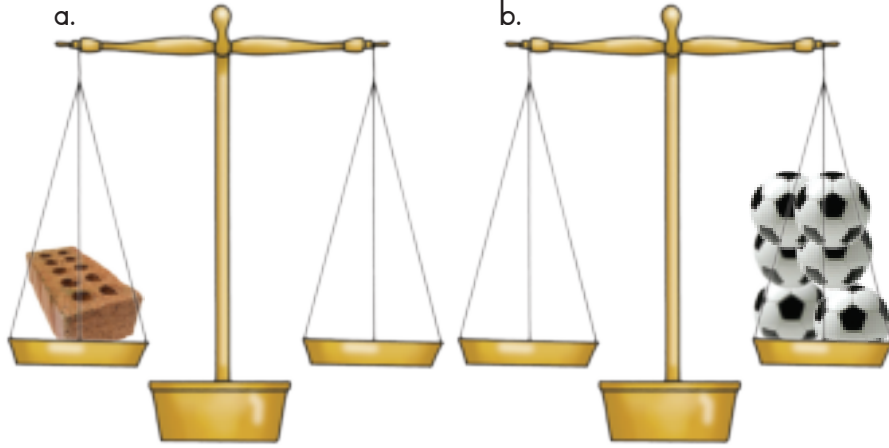
Linganisa sikali.

Sikwentele kwekucala.



Titini letimbili tinesisindvo lesilinganako nemabhola lamane.

Dweba kutsi tingakhi titini noma emabhola lowadzingako kwenta letikali tisimame.



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

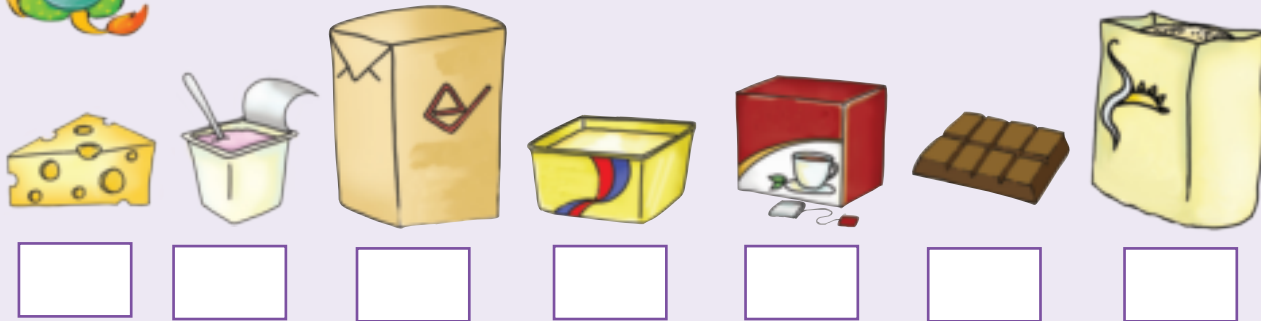
- a. 2 emaphasela _____
- b. 3 emaphasela _____
- c. Ngingawakala yini emaphasela lama-4 ngasikhatsi sinye kulesikali sasekhishini? _____



Usho ngani? _____



Faka luphawu ebhulokini yemphendvulo lenetintfo letinesisindvo sa 1 kg.



Teacher:

Sign:

Date:



Kusebenta ngeminingwane

Ticatfulo ekilasini



Fundza lenzaba.

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.

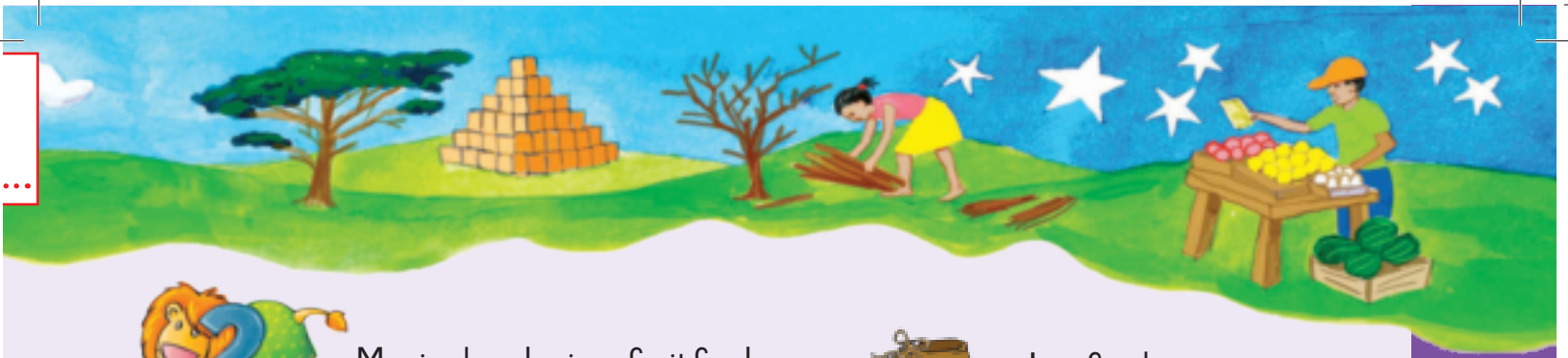
Make Khoza ubala emasayizi ebhodini.

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.

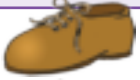






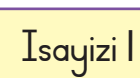
Emasayizi eticatfulo ekilasini					
Isayizi 1	Isayizi 2	Isayizi 3	Isayizi 4	Isayizi 5	Isayizi 6



Manje dvweba igrafusitfombe.



= 1 umfundzi

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



Nyalo phendvula lemibuto.

a. Bafundzi labanyenti bagcoka yiphi isayizi yeticatfulo _____.

b. Linani lelincane ligcoka isayizi _____.

c. _____ webantfwana bahlanganyele kulomklamo.



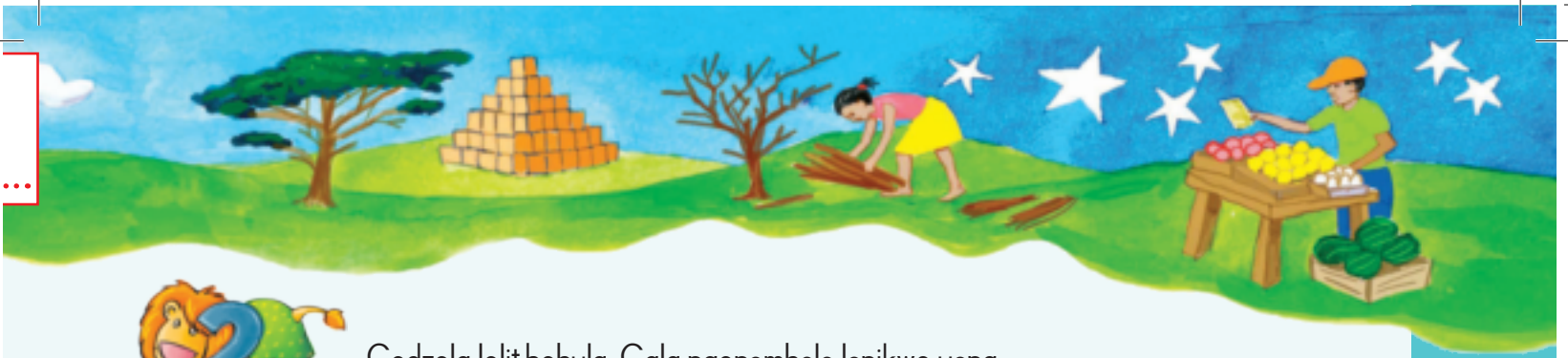
Nine-ke nigcoka yiphi isayizi?

Tfola kutsi wena nebangani bakho nigcoka waphi emasayizi!

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



Teacher: _____
 Sign: _____
 Date: _____



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 64 23 18

57 98 89 57



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



Teacher: _____

Sign: _____

Date: _____

Emandla sikhundla kuya kuma-99

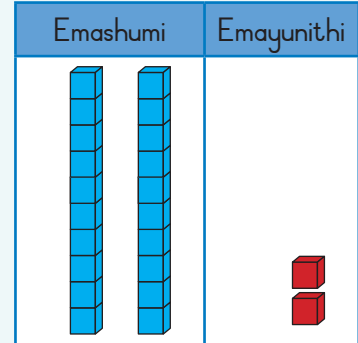


Kukhombisa tinombolo usebentisa tintfo

Singakhombisa tinombolo ngemabhuloki emandla-sikhundla.

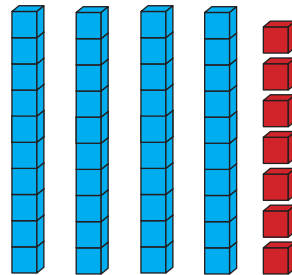
Libhuloki lelincane limele ku-1. Liyiyunithi.

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



Ungakhombisa inombolo ngekusebentisa emashumi nemayunithi.

Nayi indlela yekukhombisa ema-47.



Emashumi	Emayunithi
4	7

emashumi lamane nesikhombisa
47



Kubhala tinombolo ngemadijithi nangemagama

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

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



20 6

26

b. Singawasebentisa emakhadi nombolo kukhombisa loku lokungetulu.

Inombolo	Mangakhi emashumi?	Mangakhi emayunithi?	Bhala lenombolo ngemagama
26	2	6	Emashumi lamabili nesitfupha
46			
99			



Ngubani inombolo?

	<p>30 5</p> <p>3 5</p>	<table border="1"> <thead> <tr> <th>Emashumi</th> <th>Emayunithi</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>5</td> </tr> </tbody> </table> <p>Emashumi lamatsatfu nesihlanu 35</p>	Emashumi	Emayunithi	3	5
Emashumi	Emayunithi					
3	5					
	<div style="border: 1px solid black; width: 40px; height: 20px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin-left: 20px;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; margin-top: 10px;"></div>	<table border="1"> <thead> <tr> <th>Emashumi</th> <th>Emayunithi</th> </tr> </thead> <tbody> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> </tbody> </table> <p>_____</p> <p>_____</p>	Emashumi	Emayunithi		
Emashumi	Emayunithi					
	<div style="border: 1px solid black; width: 40px; height: 20px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin-left: 20px;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; margin-top: 10px;"></div>	<table border="1"> <thead> <tr> <th>Emashumi</th> <th>Emayunithi</th> </tr> </thead> <tbody> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> </tbody> </table> <p>_____</p> <p>_____</p>	Emashumi	Emayunithi		
Emashumi	Emayunithi					



Teacher: _____

Sign: _____

Date: _____



Fundza

Kubeka emashumi ndzawonye uma sihlanganisa kufika kuma - 99

Nayi indlela yinye yekukhombisa 22.

Emashumi	Emayunithi
1 lishumi	12 emayunithi
1 0	1 0 2

Sinelishumi linye.

Sinemayuthi lalishumi nakubili.

Sitawubeka lali -10 alamayunithi ecejini

Nyalo sinalenye indlela yekukhombisa 22.

Emashumi	Emayunithi
2 emashumi	2 emayunithi
2 0	2

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

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

Emashumi	Emayunithi
2 Emashumi	7 emayunithi
2 0	7 4

Sinemashumi lama -2 nemayunithi la -11.

Singakhombisa emayunithi la -10 njengelishumi linye.

Emashumi	Emayunithi
20	11
2 0	1 0

Nyalo sinemashumi lama -3 + 1 yunithi = 31

Emashumi	Emayunithi
30	1
3 0	1

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

3 0 + **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"/>	<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"/>	
Emashumi	Emayunithi	Emashumi	Emayunithi	Emashumi	Emayunithi
<input type="text"/>		<input type="text"/>		<input type="text"/>	

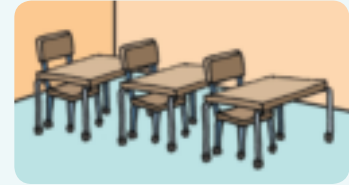


Teacher: _____
 Sign: _____
 Date: _____

Hlanganisa kumugca - nombolo

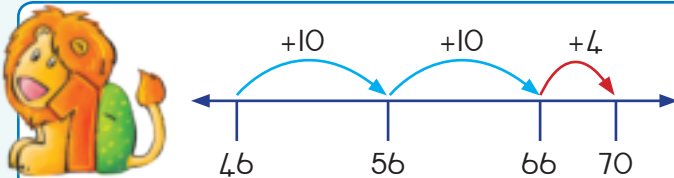
Hlala edesikini lakho!

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.

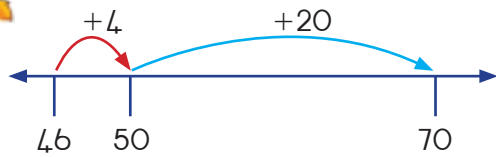


a. $32 + 25 =$



b. $52 + 26 = \square$

c. $46 + 25 = \square$



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.

$$\begin{aligned}
 &= 40 + 10 + 20 \\
 &= 50 + 20 \\
 &= 70
 \end{aligned}$$

a. $36 + 41 = \square$

Teacher: _____

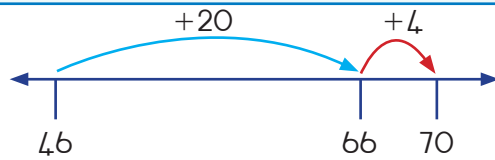
Sign: _____

Date: _____



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.

$$= 46 + 20 + 4$$

$$= 66 + 4$$

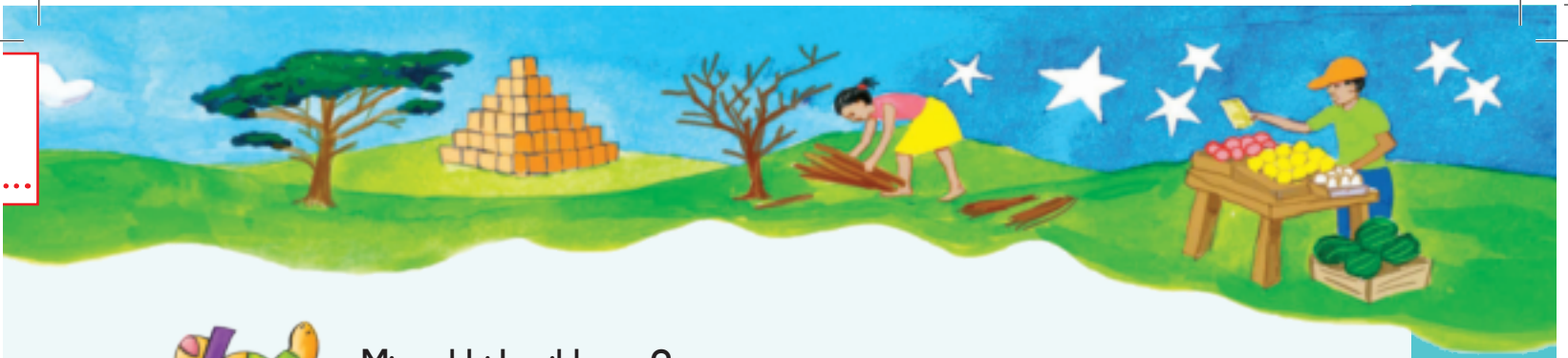
$$= 70$$

a. $63 + 24 = \square$





b. $65 + 29 = \square$





Mingakhi lemikhama?

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.

$$38 + 24 =$$

$$58 + 17 =$$

$$75 + 16 =$$

$$83 + 29 =$$



Teacher: _____

Sign: _____

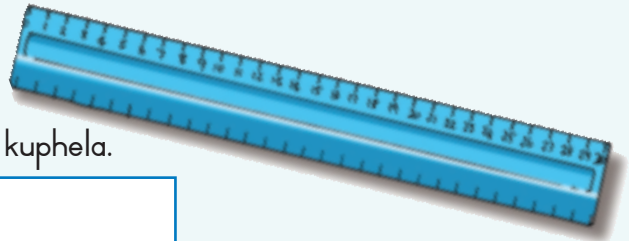
Date: _____

Susa kumugca - nombolo

Umfundzi munye! Irula yinye!

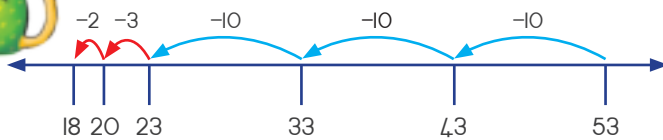
Likilasi lidzinga emarula langema - 53. Sinalangema - 35 kuphela.

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, kwekucala ngikhipha - 3, bese ngifika kuma - **20**. Bese ngikhipha ku - 2 futsi bese ngifika kuli - **18**. Ngako-ke sidzinga emarula lali - **18**.

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

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

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

$$= 23 - 3 - 2$$

$$= 20 - 2$$

$$= 18$$



a. $68 - 24 = \square$

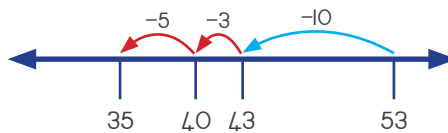
←

b. $74 - 38 = \square$

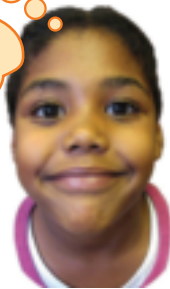
←

c. $92 - 87 = \square$

←



Kususa kusho kutfolo umehluko emkhatsini wema-53 nema-35.



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

a. $38 - 14 = \square$

←

Teacher: _____

Sign: _____

Date: _____



Lusuku:

21b

Susa kumugca - nombolo (siyachubeka)

Ithemu I

b. $65 - 43 = \square$

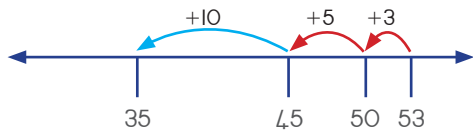
← →

c. $72 - 39 = \square$


← →

d. $85 - 48 = \square$

← →



Ngingacala kuma-35 bese ngibuka kutsi kumele ngizube kangaki kute ngibale ngifike kuma-53.



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

a. $84 - 32 = \square$

← →





b. $96 - 53 = \square$

←

c. $78 - 19 = \square$

←

d. $63 - 47 = \square$

←



Kuhamba ngetekisi

Luhambo ngetekisi kuya edolobheni ngema - 65 km.

Kwalyalo letekisi seyihambe ema - 38 km.

Kusamele kuhanjwe libanga lelingakanani?

Sebentisa umugcanyombolo kucatulula lenkinga.



←

km



Teacher: _____

Sign: _____

Date: _____

Sikhatsi selidzili

Ithemu I




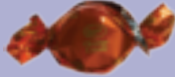


Luhlelo lwekucala

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



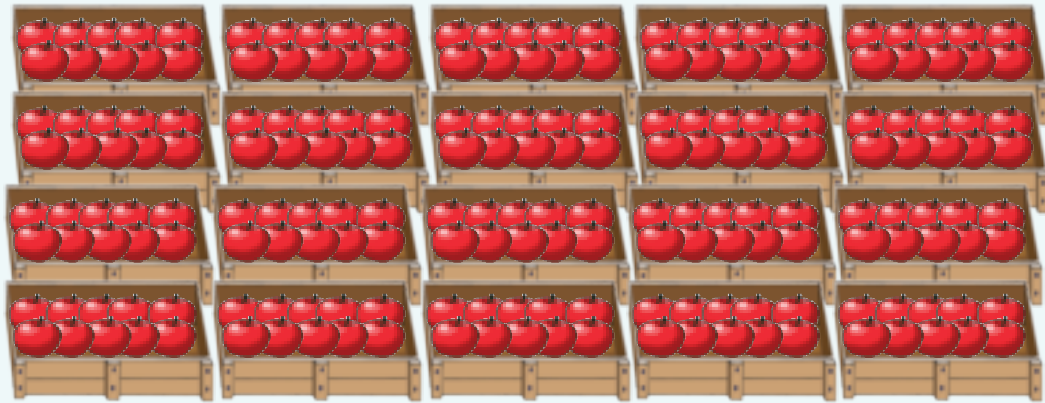
Bala, futsi ubhale kwekutsi bangakhi bangani labakhetse lolo nalolo hlobo lwekudla.

Luhlobo lwekudla				
Inombolo				

Kubala ufike ku 200



Bala emahhabhula?



Faka letinombolo

Libhokisi li-I lina wemahhabhula


Luhele lu-I luna wemahhabhula


Luhele lu-I luna wemabhokisi


Emahela lama-4 ana wemahhabhula



Mangakhi ke emahhabhula lesingawafaka kulamabhokisi?

a. 

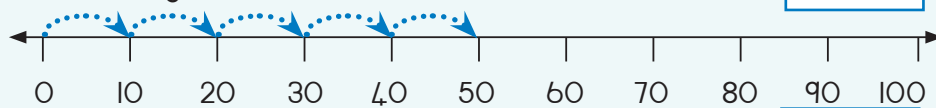
b. 

c. 

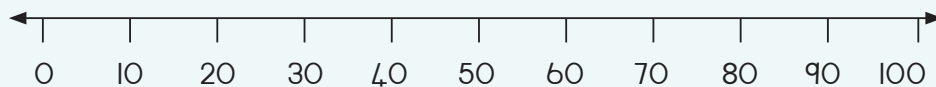


Bala kulomugcanombolo.

a. Ataba mangakhi emahhabhula emabhokisini lasihlanu?



b. Ataba mangakhi emahhabhula emabhokisini lasikhombisa?





Ticheme leti-3
tema-10 takha

30 $3 \times 10 = 30$ noma $10 \times 3 = 30$

Ticheme letisi-5
tema-10 takha

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

Ticheme leti-2
tema-10 takha

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



5 Emapheya etinyawo.
Tingakhi tintwane setitwone?



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

noma $10 \times 5 = \underline{\quad}$

Yenta loku ngendlela lefanako.

4 Emapheya etinyawo. Tingakhi tintwane?

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

9 Emapheya etinyawo. Tingakhi tintwane?

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



Bala ngema-10

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

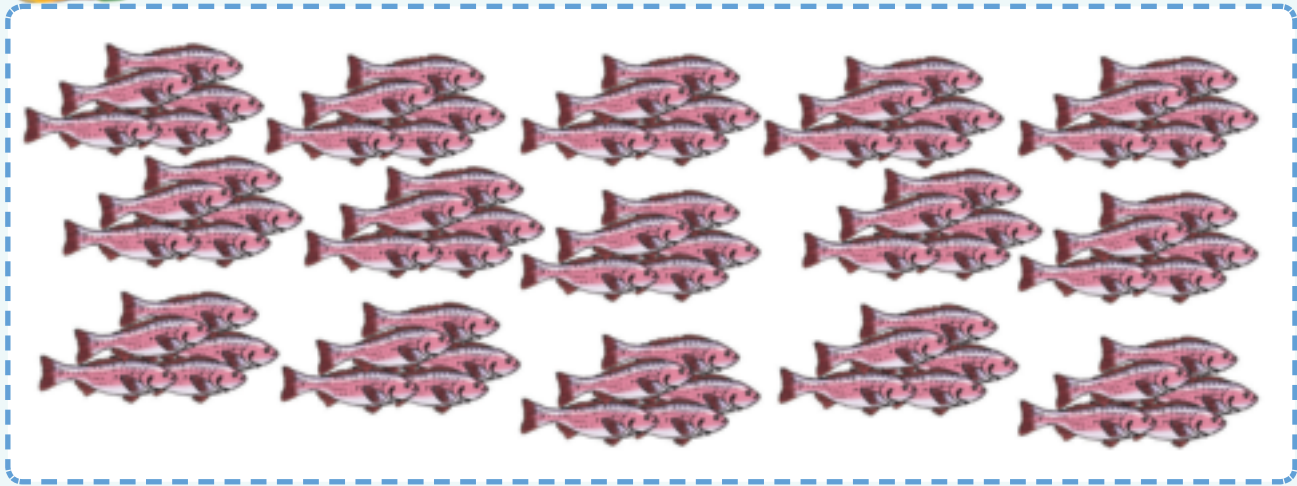
_____, _____, _____, _____, _____, _____, _____, 200



Kutilolonga ngeti - 5



Tingakhi tinhlanti? Yenta silinganiso.



Nyalo-ke bala letinhlanti. Tingakhi setitokhe?



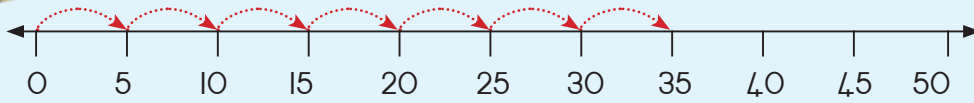
Bala ngeti - 5

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

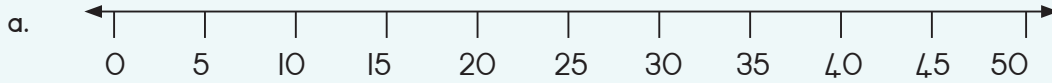
Inhlanti nemacandza	Mangakhi emacandza sekaphelele?	
Tinhlanti letisi - 5, iyinye italela emacandza la - 2	$2 + 2 + 2 + 2 + 2 = 10$	$5 \times 2 = 10$
Tinhlanti letisi - 5, iyinye italela emacandza la - 10		
Tinhlanti letisi - 5, iyinye italela emacandza la - 4		
Tinhlanti letisi - 5, iyinye italela emacandza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



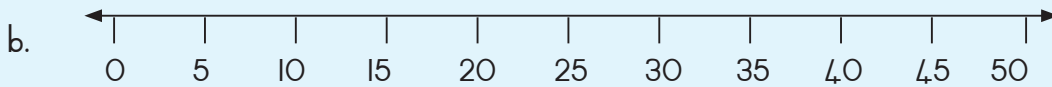
Cedzela letinombolomisho nemigcanombolo.



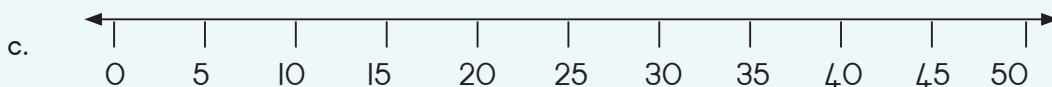
$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35} \quad \text{noma} \quad \boxed{7} \times \boxed{5} = \boxed{35}$$



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



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



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



Bamba inhlanti

Sipho ubamba emkhatsini wema -40 nema -50 etinhlanti. Utibala ngati-2 kantsi usele nayi-1. Utibala ngeti-5 kantsi usele nati-2.

Ubamba tingakhi tinhlanti Sipho?

Teacher:

Sign:

Date:



Kubala emasokisi

Bala ngaku-2



a. Mangakhi emapheya emasokisi? _____

b. Mangakhi emasokisi lakhona? _____

c. Mangakhi emasokisi lasele? _____



Kubala emapheya emasokisi

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

Emasokisi	Linani lemapheya	Linani lemasokisi	Emasokisi langalinye lasilele ngetulu
			
			
			
			
			



Teacher: _____

Sign: _____

Date: _____

25b

Lusuku:

Ithemu I

Bala ngaku-2 (siyachubeka)



Kwakha emapheya.

Bhala phasi tinombolo-malinganisa kanye netinombolo-mashiyana kusukela ku 1 – 60.

a. Bhala phansi tinombolo-malinganisa kusuka ku 1 – 60.

2, 4, 6,

b. Bhala phansi tinombolo-mashiyana kusuka ku 1 – 60.

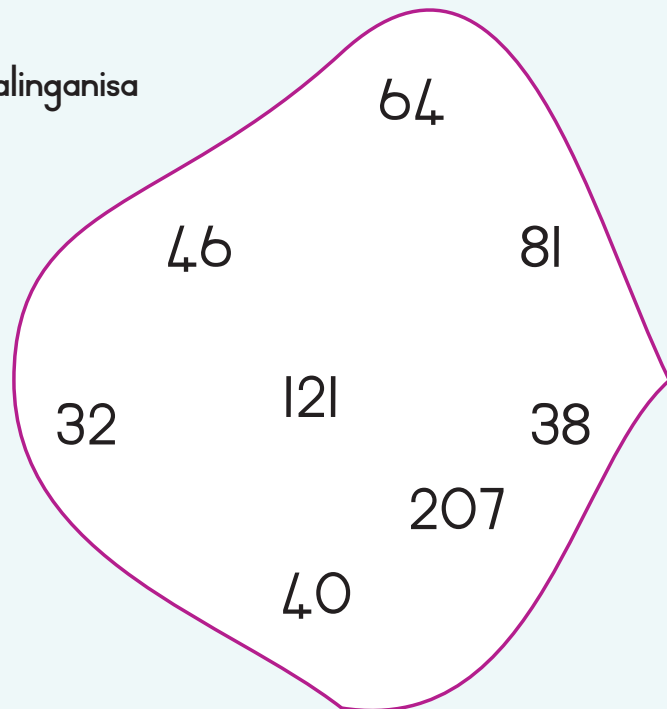
3, 5, 7,



Bomashiyana nabomalinganisa

Dweba indilinga ugegelete tinombolo-malinganisa.


Dweba sikwele ugegelete tinombolo-mashiyana.





Kusuka kumapheya kuya kumasokisi.

Sibonelo:






2 emasokisi = 1 lipheya 

$2 \times 1 = 2$

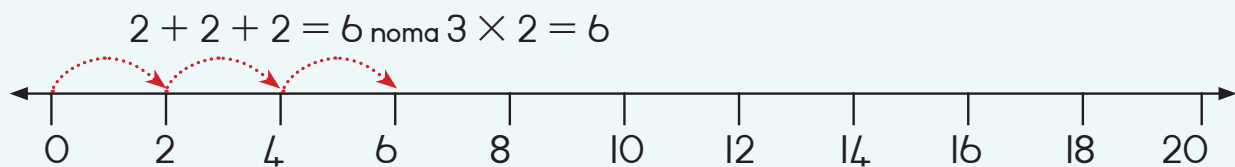
20 emasokisi = 10 emapheya

$2 \times 10 = 20$

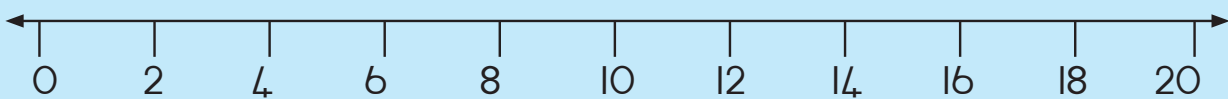
a. Bhala kutshi mangakhi emasokisi.

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

b. Khombisa lesibalo kulomugcanombolo bese uyacedzela.



$2 + 2 + 2 + 2 + 2 + 2 + 2 = \square$ noma $\square \times \square = \square$



Teacher:

Sign:

Date:

Imali endvulo nanyalo



Indzaba yemali yetfu

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

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



Panel 1: Bengisebentisa letindibilishi letincane kubhadala tintfo letinyenti. Tintfo betishiphe kakhulu ngaleso sikhatsi!

Panel 2: Yebo, ucinisile, akasentiwa nyalo!
Kodvwa, Gogo, angizange nje sengibone tindibilishi telisenti li-1 nemasenti lama-2.

Panel 3: Cishe eminyakeni lengema-50 besisasebentisa bopondo, bosheleni kanye nemapeni.

Panel 4: Yebo, ngiyakhumbula! Pondo munye bekenta bosheleni labangema-20, kantsi sheleni munye bekenta bopeni labali-12.



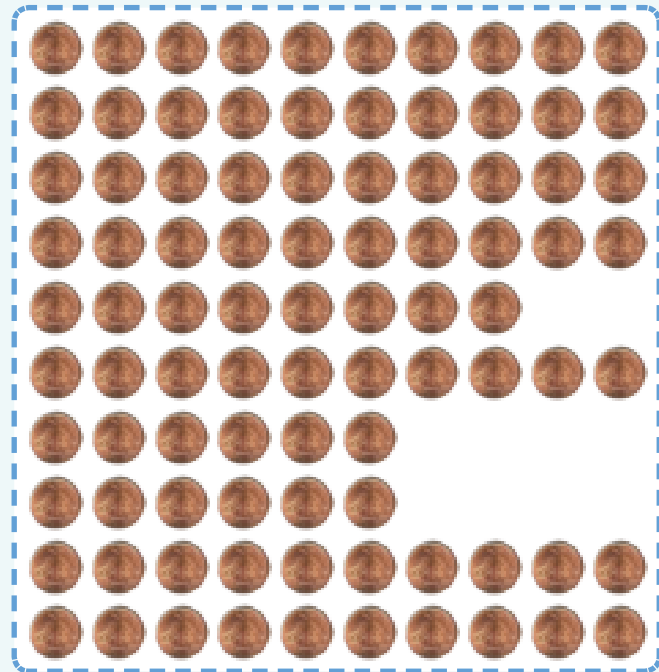
Bala lamasenti

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?

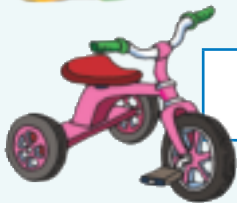


Teacher: _____
Sign: _____
Date: _____

Bala ngaku-3









Tincola ngaku-3



Libhayisikili lelingusondvontsatfu li-I linemasondvo lama ____.

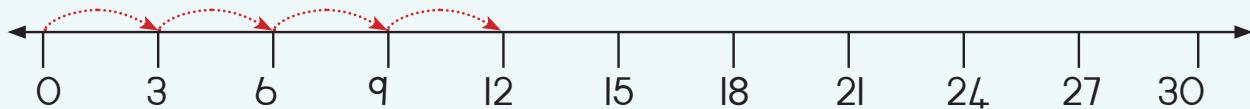


5  sabosondvontsatfu banemasondvo la ____	$3 + 3 + 3 + 3 + 3 = 5 \times 3 =$ ____
2  bosondvontsatfu banemasondvo la ____	$3 + 3 = 2 \times 3 =$ ____
4  bosondvontsatfu banemasondvo la ____	
6  sabosondvontsatfu banemasondvo la ____	
9  yabosondvontsatfu banemasondvo la ____	
8  sabosondvontsatfu banemasondvo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

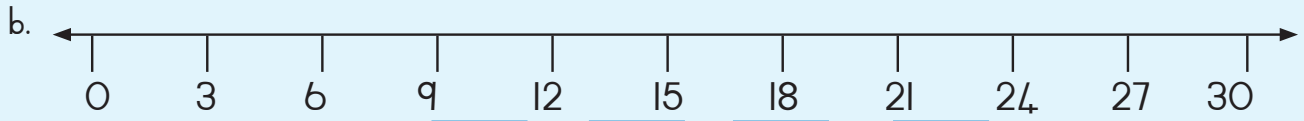


Imigcanombolo

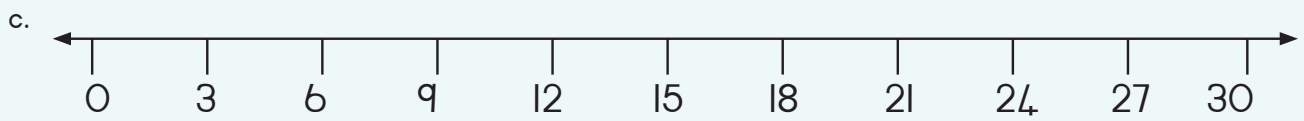
Landzela sibonelo.



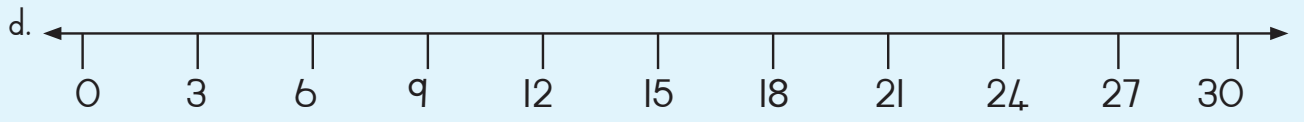
a. $3 + 3 + 3 + 3 =$ $= 4 \times 3 =$



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



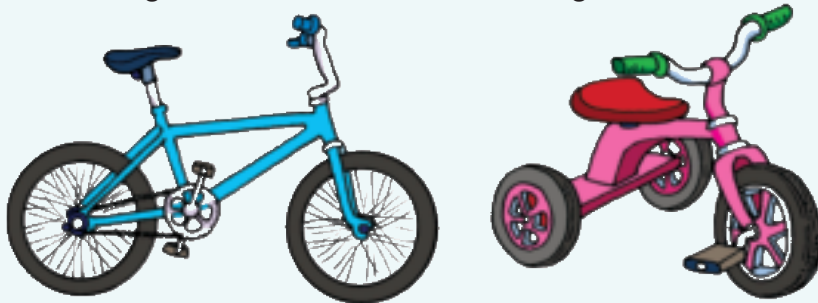
$$\underline{\hspace{10em}} = \boxed{} = 6 \times 3 = \boxed{}$$



$$\underline{\hspace{10em}} = \boxed{} = 10 \times 3 = \boxed{}$$



Emabhayisikili asondvombili nemabhayisikili abosondvontsatfu



Esitolo semabhayisikili Busi ubala emasondvo emabhayisikili abosondvombili newabosondvontsatfu.

Kunemasondvo lali-14 sekaphhelele.

Mangakhi emabhayisikili abosondvombili lalapho? _____

Mangakhi emabhayisikili abosondvontsatfu lalapho? _____



Teacher: _____
 Sign: _____
 Date: _____

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 ngetimphendvulo.
 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"/>	Tinkhomo leti- 4  <input type="text"/>
Tinkhomo leti- 5  <input type="text"/>	Tinkhomo leti- 6  <input type="text"/>
Tinkhomo leti- 7  <input type="text"/>	Tinkhomo leti- 8  <input type="text"/>
Tinkhomo leti- 9  <input type="text"/>	Tinkhomo leti- 10  <input type="text"/>



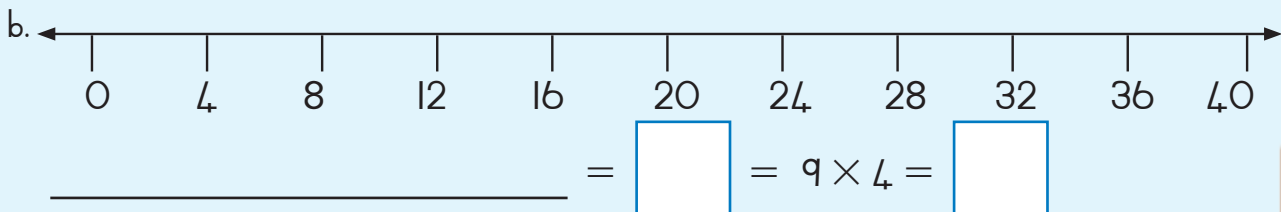
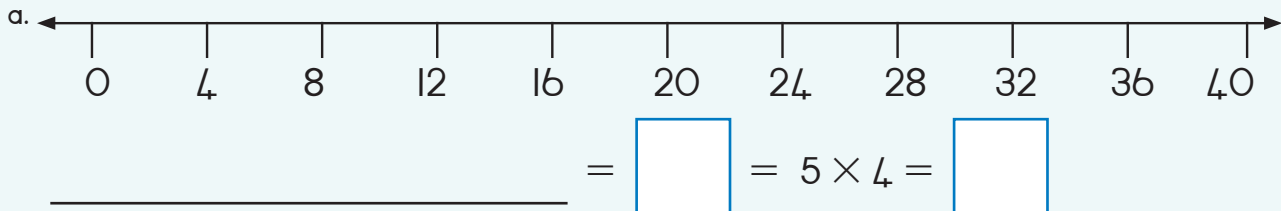
Cedzela lelithebula. Sebentisa lesibonelo kukusita.

Tinkhomo leti-3 _____ tinyawo	$4 + 4 + 4 = 3 \times 4 = \underline{12}$
Tinkhomo leti-5 _____ tinyawo	
Tinkhomo leti-4 _____ tinyawo	
Tinkhomo leti-7 _____ tinyawo	
Tinkhomo leti-8 _____ tinyawo	



Imigcanombolo

Cedzela lolokulandzelako bese ukukhombisa kumugcanombolo.



Teacher: _____

Sign: _____

Date: _____

Emaphethini ngetinombolo

Ithemu I



Emaphethini egridi

Nguyiphi inombolo yemaphethini lekhonjiswa tindilinga kugridi yeli-100?

Dvweba tindilinga letinye kucedzela iphethini ngayinye.

Bhala ligama lephethini ngayinye.

a. Iphethini: _____

				o					o
				o					o
				o					o
				o					o
				o					o
				o					o
				o					o

b. Iphethini: _____

				o					o
				o					o
				o					o
				o					o
				o					o
				o					o
				o					o
				o					o

c. Iphethini: _____

		o			o				o
	o			o			o		
o			o			o			o
		o			o			o	
	o			o			o		
o			o						

d. Iphethini: _____

				o					o
	o				o				o
		o				o			
	o				o				o



Yenta emaphethini akho

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

□ □ □ □ 74 □ □ □ □

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

□ □ □ □ 65 □ □ □ □



Tiwela kuphi?

48 32 12 36 40 84 45
90 80 15 24 72 150 75

Emaphethini aku-3 naku-4	Emaphethini aku-3 nesi-5	Emaphethini aku-4 nesi-5
sib. 48		



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:

30a

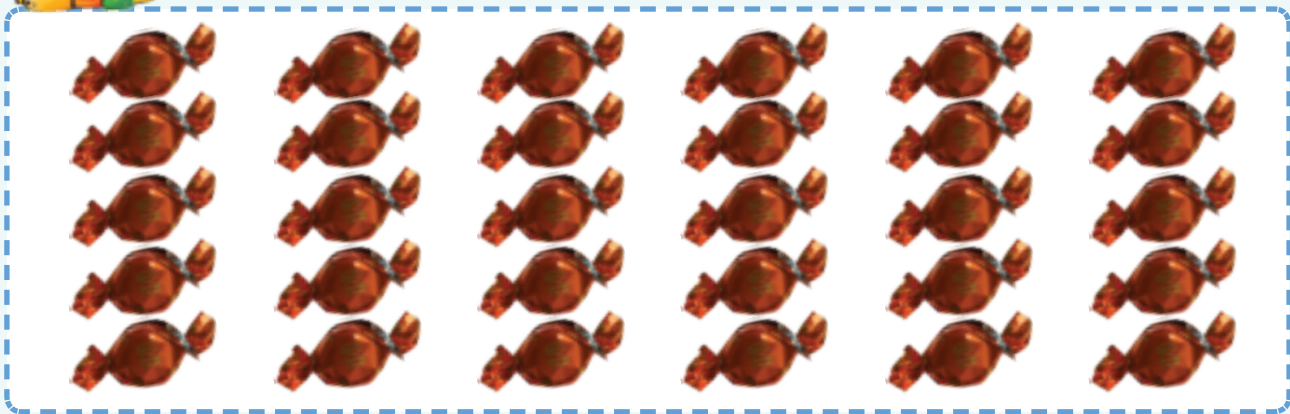
Lusuku:

Kwaba

Ithemu I



Yaba lamaswidi:



a. Yaba 30 wemaswidi emkhatsini wa-2 bantfwana.



Loku singakubhala kanje

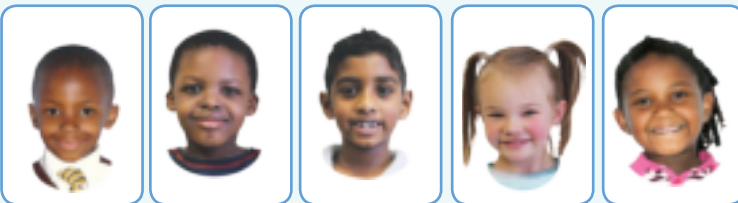
$$30 \div 2 = 15$$

b. Yaba lamaswidi emkhatsini wa-3 bantfwana.



$$\div =$$

c. Yehlukanisa emaswidi emkhatsini we-5 sebantfwana.



$$\div =$$



Singasebentisa emabhuloki etinombolo kwenta sibalo sekwehlukana.

$\begin{array}{ c c } \hline 2 & 8 \\ \hline \end{array} \div \begin{array}{ c } \hline 2 \\ \hline \end{array} = \begin{array}{ c c } \hline 4 & 2 \\ \hline \end{array}$	

Nyalo yenta loku.

a.

$\begin{array}{ c c } \hline & \\ \hline \end{array} \div \begin{array}{ c } \hline 3 \\ \hline \end{array} = \begin{array}{ c c } \hline & \\ \hline \end{array}$	

b.

$\begin{array}{ c c } \hline & \\ \hline \end{array} \div \begin{array}{ c } \hline 4 \\ \hline \end{array} = \begin{array}{ c c } \hline & \\ \hline \end{array}$	



Teacher: _____

Sign: _____

Date: _____

30b

Lusuku:

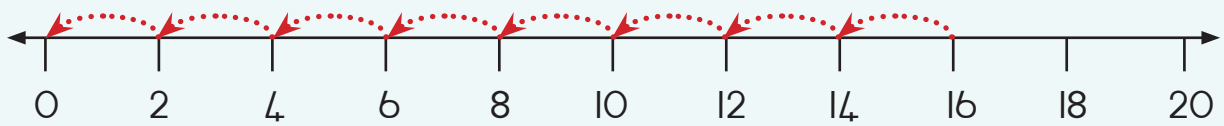
Kwaba (siyachubeka)

Ithemu I



Sebentisa imigcanombolo kubhala umusho - nombolo wekususa nekuhlukanisa.

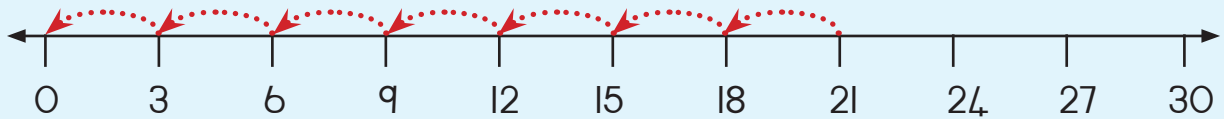
Sibonelo:



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

$$16 \div 2 = 8$$

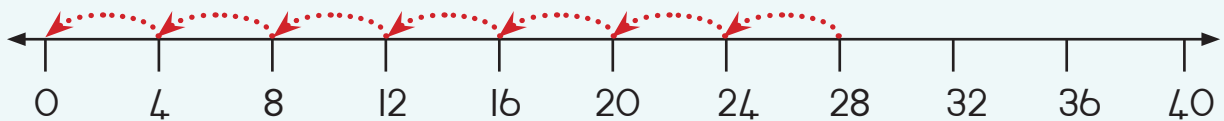
a.



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

$$\boxed{\hspace{1cm}} \div \boxed{\hspace{1cm}} = \underline{\hspace{1cm}}$$

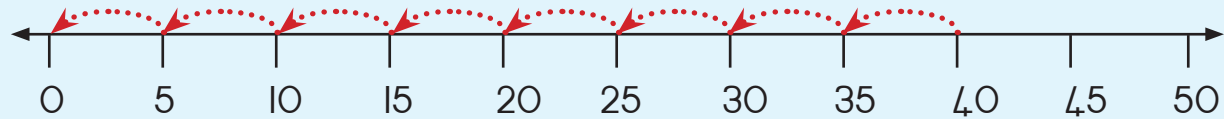
b.



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

$$\boxed{\hspace{1cm}} \div \boxed{\hspace{1cm}} = \underline{\hspace{1cm}}$$

c.



$$\underline{\hspace{1cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\boxed{\hspace{1cm}} \div \boxed{\hspace{1cm}} = \underline{\hspace{1cm}}$$



Dvweba umugca - nombolo bese uyawusombulula.

a. $30 \div 5 =$



b. $22 \div 2 =$



c. $27 \div 3 =$



d. $32 \div 4 =$

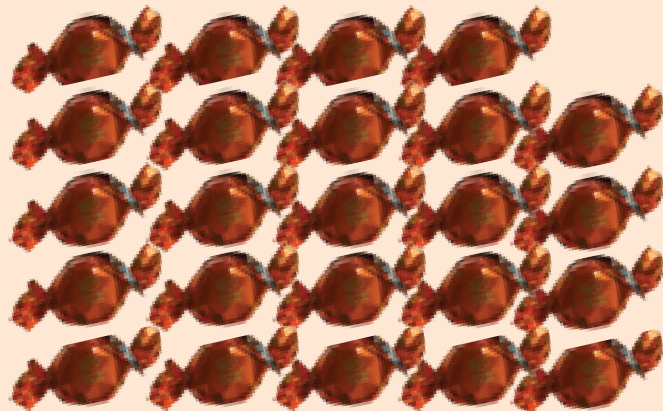


e. $25 \div 5 =$



Insayeya

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



Teacher: _____
 Sign: _____
 Date: _____

Emafrakishini

Ithemu I



Dvweba imigca kucondzanisa bunjwa nefrakhishini.

Incenyentsatfu yinye $\frac{1}{3}$	Incenyehlanu yinye $\frac{1}{5}$	Ikota yinye $\frac{1}{4}$	Ihhafu yinye $\frac{1}{2}$
Emakotalamatsatfu $\frac{3}{4}$	Incenyekunehlanu $\frac{4}{5}$	Kunyelokugcwele 1	Incenyembilikutsatfu $\frac{2}{3}$

Hlukanisa bese ufaka umbala.

$\frac{1}{2}$ Ihhafu yinye	$\frac{1}{3}$ Incenyentsatfu yinye	$\frac{1}{4}$ Ikota yinye	$\frac{1}{5}$ Incenyehlanu yinye

Khombisa lefrakshini ngekudweba umugca ugegelete inombolo lengiyo yemaswidi.

$\frac{1}{2}$ Ihhafu yinye	$\frac{1}{3}$ Incenyentsatfu yinye	$\frac{1}{4}$ Ikota yinye	$\frac{1}{5}$ Incenyehlanu yinye



Yabela bantwana lababili tinsita kubala.

<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> </tr> <tr> <td style="text-align: center;">●●</td> <td style="text-align: center;">●●</td> </tr> </table>	😊	😊	●●	●●	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> </tr> <tr> <td style="text-align: center;">●●●</td> <td style="text-align: center;">●●●</td> </tr> </table>	😊	😊	●●●	●●●	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> </tr> <tr> <td style="text-align: center;">●●●●</td> <td style="text-align: center;">●●●●</td> </tr> </table>	😊	😊	●●●●	●●●●	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> </tr> <tr> <td style="text-align: center;">●●●●●</td> <td style="text-align: center;">●●●●●</td> </tr> </table>	😊	😊	●●●●●	●●●●●
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●●●●●	●●●●●																		
<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 __. 																
$4 \div 2 = 2$	$__ \div __ = __$	$__ \div __ = __$	$__ \div __ = __$																



Yaba lamaswidi emkhatsini webantwana.

<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> </tr> <tr> <td style="height: 40px;"></td> <td style="height: 40px;"></td> <td style="height: 40px;"></td> <td style="height: 40px;"></td> </tr> </table>	😊	😊	😊	😊					<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> </tr> <tr> <td style="height: 40px;"></td> <td style="height: 40px;"></td> <td style="height: 40px;"></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-ntsafu emaswidi = _____ • tincenye-ntsafu timbili emaswidi = _____ • tincenye-ntsafu letintsafu emaswidi = _____ 														



Teacher: _____

Sign: _____

Date: _____

Sesikhatsi



Kwati sikhatsi

Singabhala 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.

<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>

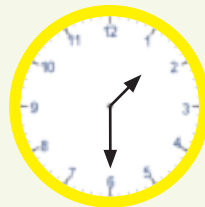


Kuya ekhaya

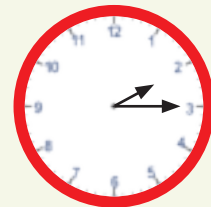
Ngabe Ben utsatsa sikhatsi lesingakanani kufika ekhaya?

imizuzu

ema-awa



Ben usuka esikolweni.



Ben ufika ekhaya.



Sikhatsi siyabaleka

Sikhatsi ngaku-2 ...



Mingakhi ...

imizuzu kuma-awa lama-2? _____

ema-awa emalangenani lama-2? _____

emalanga emavikini lama-2? _____

tinyanga eminyakeni lemi-2? _____



Mangakhi emalanga?

Mabasa 27 Lilanga Lenkhululeko.

Inhlaba 16 Lilanga Lelusha.

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

b. Mangakhi emaviki laphhelele sekahlangene? _____

Mangakhi emalanga lasele? _____. Mangakhi emalanga sekaphelele? _____.

c. Lusuku lwekutsalwa lwaLebo lungaphambi kwelilanga leNkhululeko ngemalanga lasi-7.

Lusuku lwekutsalwa lwaMusa lungemalanga lamabili ngemuva kwelilanga Lelusha.

Ngubani lomdzala? _____ Ngemalanga lamangakhi? _____

Mabasa						
U	L	L	L	L	U	L
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

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

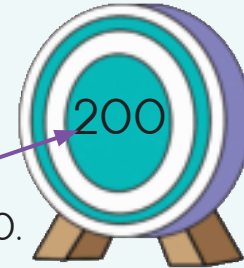
Buka. Catsanisa.
Lungisa

Teacher: _____
Sign: _____
Date: _____

Hlosa kufika kuma-200



Bala letinombolo



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



101	102							
111								
121								
131								
							149	
		154						
			165					
	173							180
181				186				
						198		200



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			
					110
50					
				0	

b.

87		107	
167			
		207	
			237



Cedzela

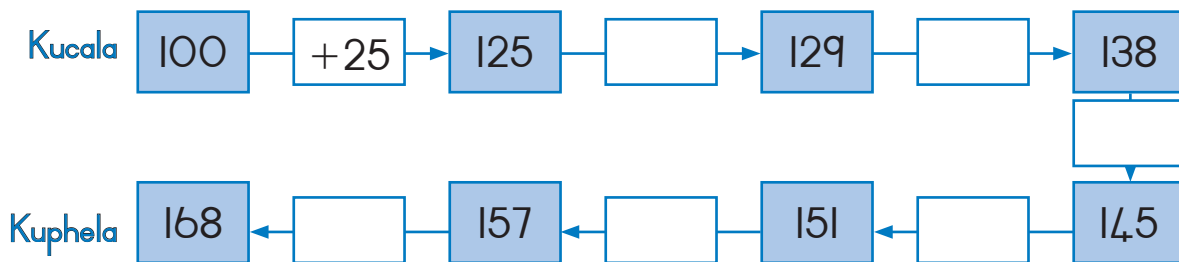
200	+	30	+	5	=	235
200	+	40	+	7	=	_____
200	+	60	+	8	=	_____
	+		+		=	293
	+		+		=	256

Bhala tinombolo ngekulandzelana kusukela kulencane kakhulu kuye kulenkulu kakhulu.



Bala uchubeke kusuka kuli-100

Bala loko lodzinga kukwenta kute utfole inombolo lelandzelako.



Teacher: _____

Sign: _____

Date: _____



Kusebenta ngemacembu etinombolo

Kupakisha emakhandlela

Make Nkhosi usebenta enkapanini yemakhandlela.

Uma emakhandlela sekalungile, uwapakisha ngalendlela emabhokisini emashelufini.



Mangakhi emakhandlela ebhokisini ngalinye? _____

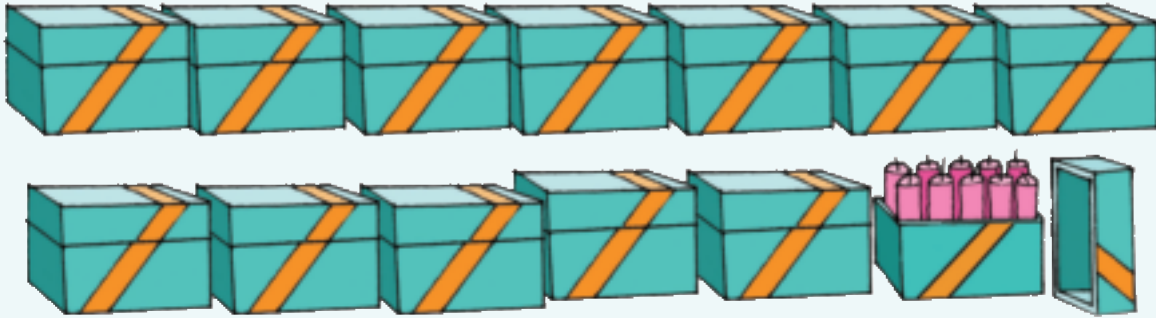
Mangakhi emabhokisi eshelufini ngalinye? _____

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:

Kubeka emashumi ndzawonye neku siwehlukana

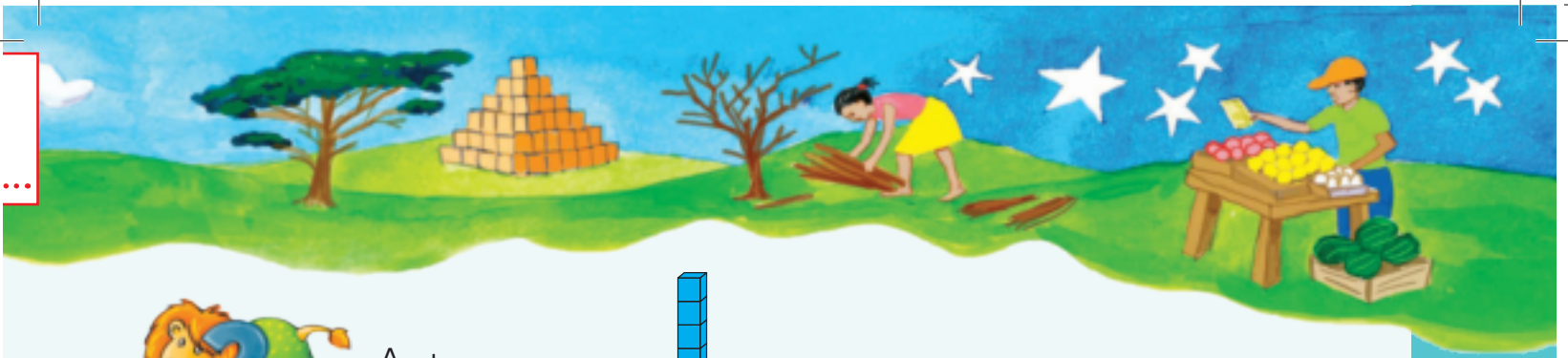
Ithemu 2



Kubeka emashumi ndzawonye uma sihlanganisa

<p>Asihlanganiseni $56 + 73 =$</p>		+	
	Emashumi lasi-5 nemayunithi lasi-6		Emashumi lasi-7 nemayunithi lama-3

100s	10s	1s
<p>Sikanye sinemashumi lali-12. Singabeka emashumi lali-10 ndzawonye kwenta likhulu li-1.</p>		







Asetame.



=  na  = 

Sibonelo: $82 + 34$

	
	
$100 + 20 + 6 = 126$	

a. $65 + 52$

b. $76 + 63$

c. $86 + 65$



Teacher: _____

Sign: _____

Date: _____

Kubeka emashumi ndzawonye neku siwehlukana (siyachubeka)



Beka emacembu ndzawonye

Sebentisa emabhuloki endzawo yenombolo akho.

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



Kwehlukana 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 letisihlanu temashumi naletisihlanu temayunithi. (Leto lesititsetse sitibeke umbala lomphunga)

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



Asetame.

a. $70 - 28$

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

b. $90 - 46$

c. $80 - 53$



Kutfofa lipheya lenombolo

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	



Teacher: _____
Sign: _____
Date: _____


Kuvakashela dokotela wematingo



Licembu lebantfwana livakashela dokotela wematingo.






Ngabe ematingo akho uwageza kangakhi ngelilanga?

Loku nguloku bantfwana labamtjela kona.  = I sikhatsi

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

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

 Kanye ngelilanga	
 Kabili ngelilanga	
 Katsatfu ngelilanga	


b. Yini longayisho?

Bantfwana labanyenti bacubha ka _____ ngelilanga.

Kunebantfwana laba _____ ecenjini.



Dvweba igrafusitfombe lekhomba kutsi bantfwana bacubha kangakhi ngelilanga.

 = sikhatsi si-l

Large empty rectangular box for drawing or writing.



Yenta luhlwayo ekilasini lakho. Buta 15–20 webafundzi.

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

○
□
△



Teacher:
Sign:
Date:

Yengeta uphindze uhlanganise



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.

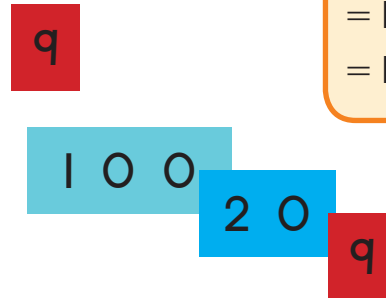
Ngako-ke ngesibalo $56 + 73$, utfola lamakhadi:

$$\begin{array}{|c|c|c|} \hline 5 & 0 & 6 \\ \hline \end{array} + \begin{array}{|c|c|c|} \hline 7 & 0 & 3 \\ \hline \end{array}$$

Uhlanganisa lamayunithi emva kwaloko ubeka phasi likhadi le-9

Uyati: $50 + 70 = 120$.

Utsatsa leli-100, lama-20 kanye nelikhadi le-9 kwenta inombolo yemadijithi lama-3



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:

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



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.



Teacher: _____

Sign: _____

Date: _____

37b

Lusuku:

Ithemu 2

Yengeta uphindze uhlanganise (siyachubeka)



Nyalo-ke ase sisuse.

a. $87 - 53$

Indlela ya Busi

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



Indlela ya -Dumi

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



b. $95 - 73$

c. $86 - 62$

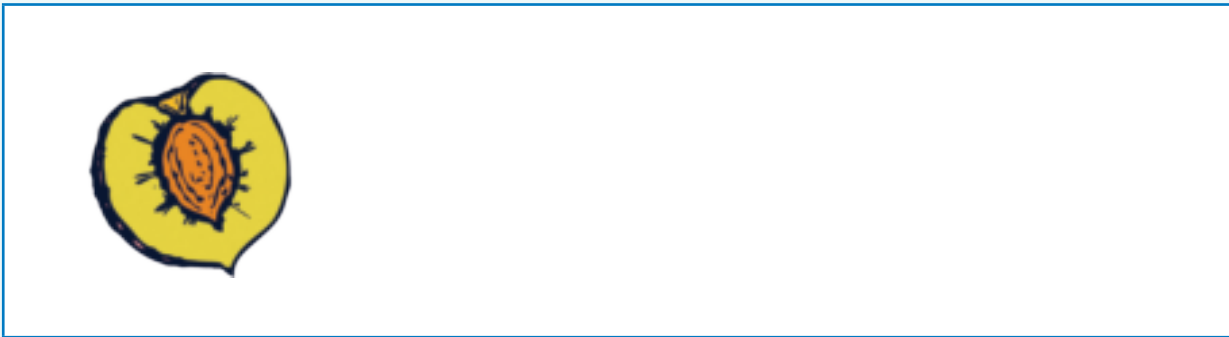
d. $85 - 69$



Sombulula!

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

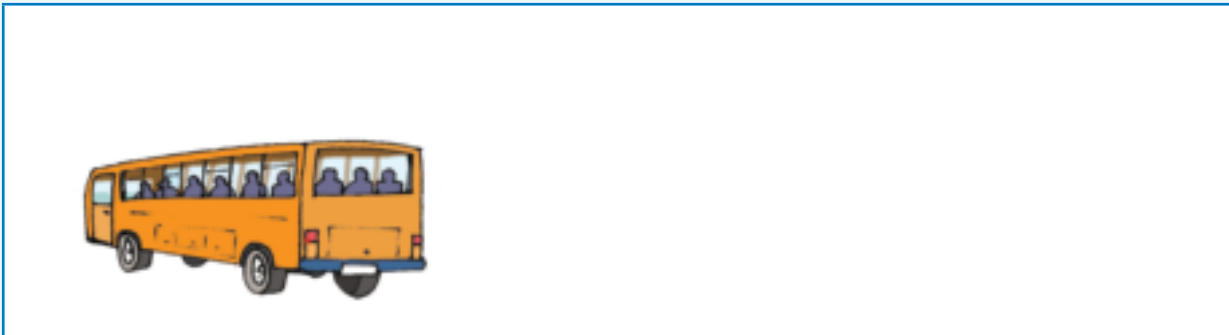
- a. Peter ucala ngekukha emampentjisi langema -34 bese ukha langema -67.
Mangakhi emampentjisi asawonkhe?



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



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



Teacher: _____

Sign: _____

Date: _____

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

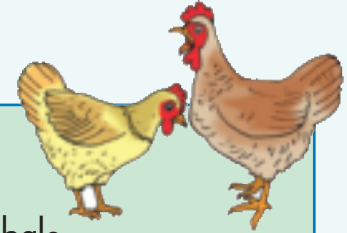


Musa utsengisa emathikithi. Bekanemathikithi langema - 92 ekucala ngawo.

Usele nalangema - 67. Mangakhi emathikithi lase awatsengisile?



Sichubeka nekuticecesha.



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

Indlela yaGugu

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



Indlela ya Aakar

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

Uyati yini kutsi ususelani?



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

Sebentisa indlela yaGugu

Sebentisa indlela yaAakar

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

Sebentisa indlela yaGugu

Sebentisa indlela yaAakar



Bala uphindze ucatulule



Tfola incenye

Bhala tinombolo letingekho.

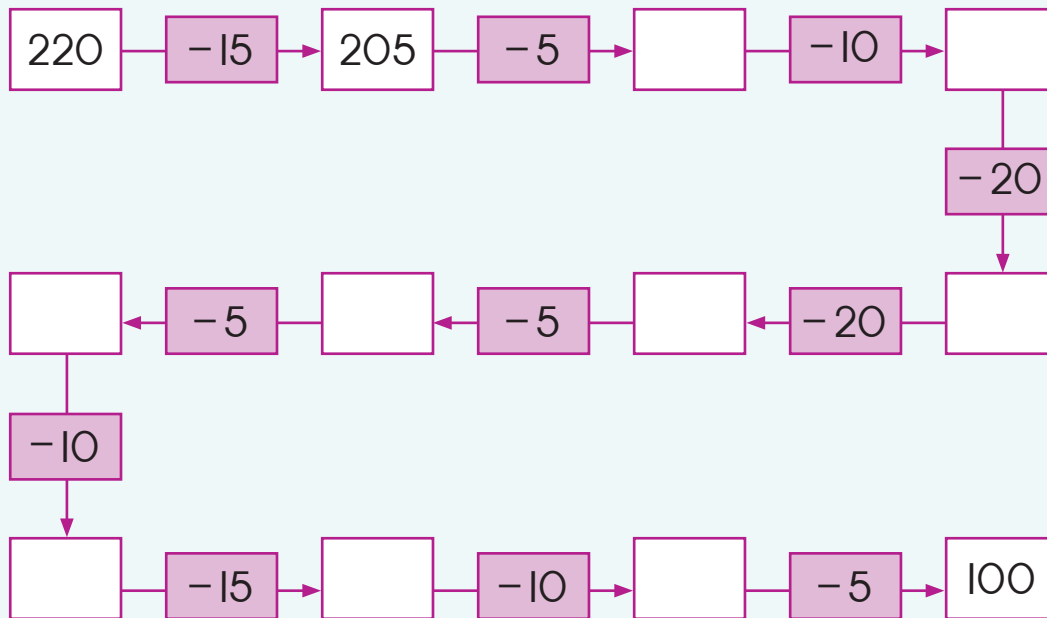
a.	$\begin{array}{ c c } \hline 100 & \\ \hline \hline & 27 \\ \hline \end{array}$	b.	$\begin{array}{ c c } \hline 100 & \\ \hline \hline 39 & \\ \hline \end{array}$	c.	$\begin{array}{ c c } \hline 100 & \\ \hline \hline 43 & \\ \hline \end{array}$	d.	$\begin{array}{ c c } \hline 100 & \\ \hline \hline 56 & \\ \hline \end{array}$
e.	$\begin{array}{ c c } \hline 200 & \\ \hline \hline 140 & \\ \hline \end{array}$	f.	$\begin{array}{ c c } \hline 200 & \\ \hline \hline & 110 \\ \hline \end{array}$	g.	$\begin{array}{ c c } \hline 200 & \\ \hline \hline 135 & \\ \hline \end{array}$	h.	$\begin{array}{ c c } \hline 200 & \\ \hline \hline & 120 \\ \hline \end{array}$



Bala ubuyele emuva kusuka kuma-220 kuye kuli-100

Susa letinombolo emabhokisini labovana sikhatsi ngesikhatsi.

Sesikwentele yekucala.



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

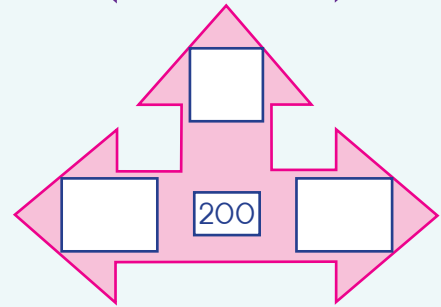
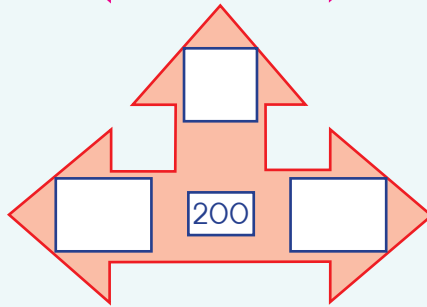
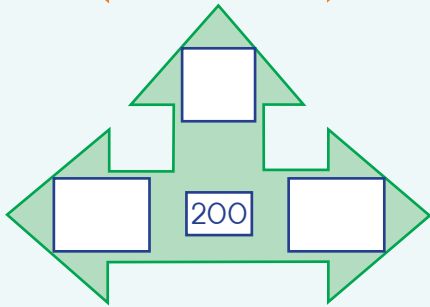
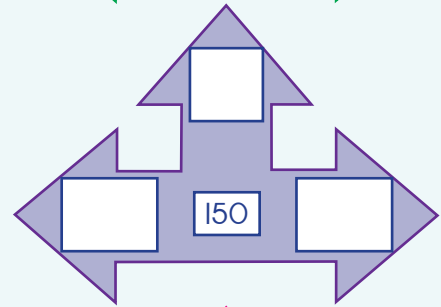
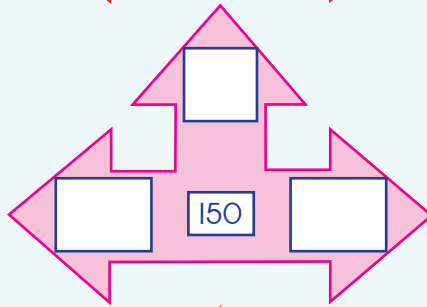
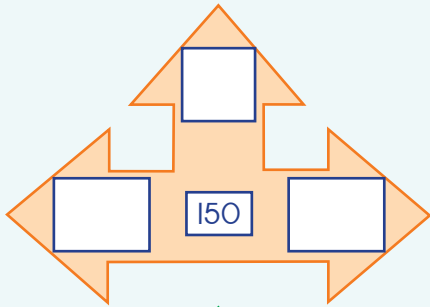
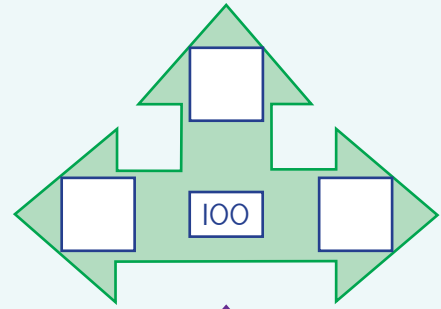
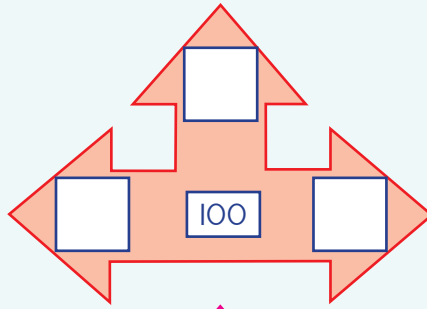
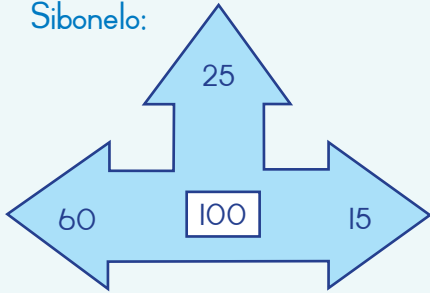


Imindeni yalabatsatfu

Tfola -3 tinombolo letihlanganisa lenombolo lehlosiwe.

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

Sibonelo:



Ema -50 ngetulu nema -50 ngaphasi

Bhala timphendvulo kuluhlu lwesi -2.

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



Teacher: _____
 Sign: _____
 Date: _____

40

Lusuku:

Kukala ngemasentimitha



Ngabe lisentimitha lingakanani?



Letinombolo kurula timele emasentimitha.

Sisebentisa lesinciphiso nobe luphawu lwa -cm.

Uma usebentisa irula, kumele ucale kulinganisa kuli -O.

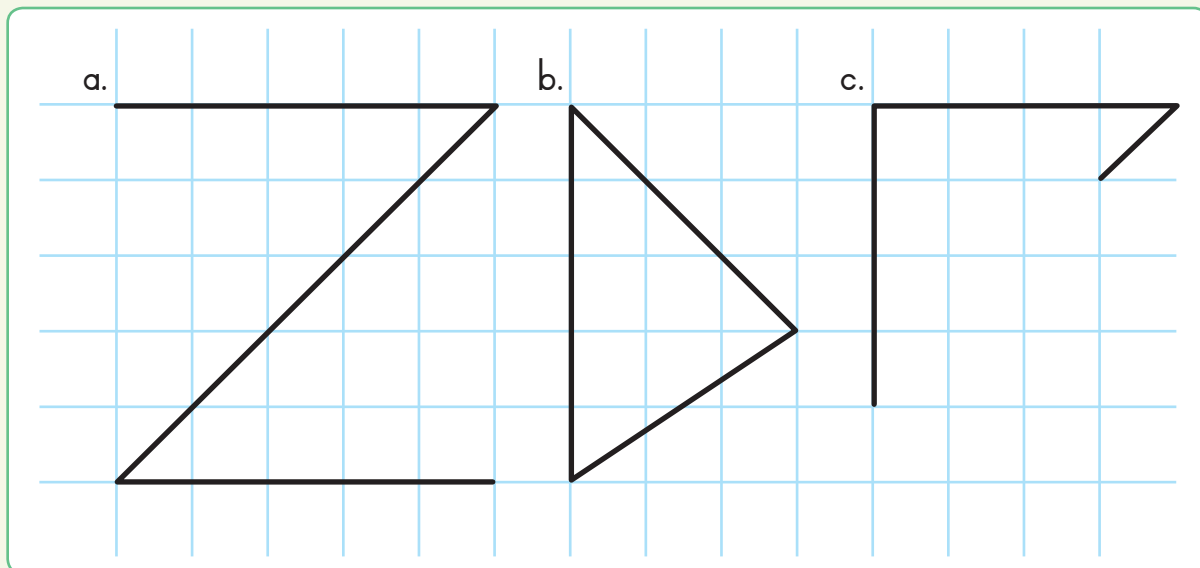
Lamanye emarula akakhombisi leli -O njengalena lekulelikhasi.

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

Ukuphi IO cm kulerula? Bhala IO 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?

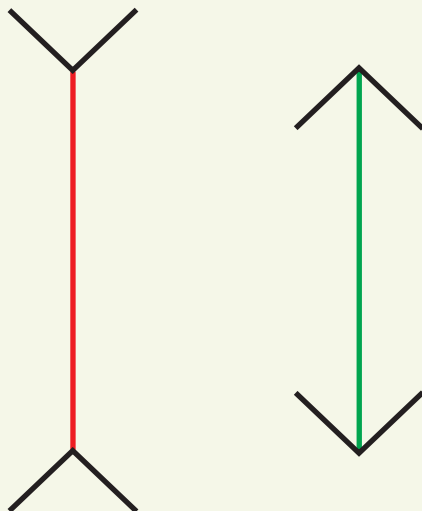
Ngabe umugca mudze ngema -cm lamangakhi?
Sebentisa umunwe kuisita kuncuma.

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



Ngabe ucinisekile?

Ngumuphi lomudze, umugca lobovu nobe loluhlata?
Ungahlola njani?



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



Teacher: _____
Sign: _____
Date: _____

Umgomo 300



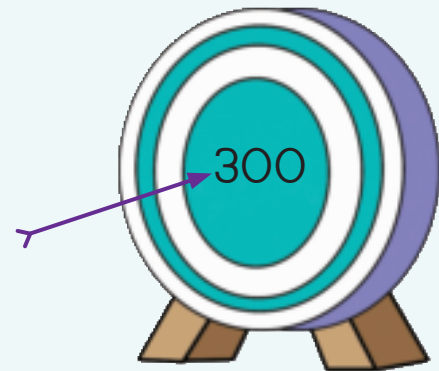
Bala futsi ubhale ema - 200

Bala kusuka kuma - 201 kuye kuma - 300.

Khomba njengobe uhamba.

Emva kwaloko gwalisa tinombolo letilingangane kucala.

Sale ubhala tonkhe letinye tinombolo.



201					207			210
211								
221								
231								
							249	
		254						
			265					
	273							280
281				286				
						298		300

Bhala letinombolo letili - 10 letilandzelako emva kwema - 300.

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



Yini luzubo?

301		281					
		171				211	
					101		



Kukhombisa nekucatsanisa.

a. Bhala letinombolo letingena ekhadini ngalinye.

298; 208; 301; 276; 227; 269; 311

200							
90							
8							

b. Bhala tinombolo ngeluhla kusukela kulencane kuya kulenkulu kakhulu.

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



Yini ingucuko? Bhala letinombolo letishiyekile.

Kucala

200	+25	225		237		249

Kuphela

300		286		278		261

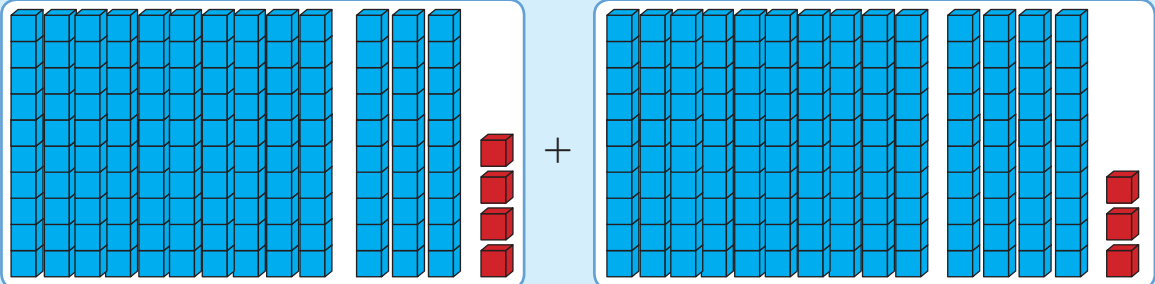


Teacher: _____
Sign: _____
Date: _____

Kuhlanganisa nekususa ngabo 100



Kusebentisa emabhuloki kuhlanganisa



$$\begin{array}{r}
 100 \quad 30 \quad 4 \\
 + \quad 100 \quad 40 \quad 3 \\
 \hline
 = 200 \quad 70 \quad 7 \\
 = 277
 \end{array}$$



Landzela letindlela letimbili. Khombisa imphendvulo ngayinye ngetindlela letimbili.

a. $132 + 123$

Indlela ya Busi

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



Indlela ya -Dumi

$$\begin{aligned}
 &132 + 123 \\
 &= 200 + 50 + 5 \\
 &= 255
 \end{aligned}$$



b. $114 + 162$



c. $276 + 148$



Bukisisa indlela ngayinye. Yenta sibalo ngasinye ngetindlela letimbili.

a. $158 - 146$

Indlela ya Busi

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

$$= 0 + 10 + 2$$

$$= 12$$



Indlela ya-Dumi

$$158 - 146$$

$$= 0 + 10 + 2$$

$$= 12$$



b. $194 - 122$

c. $288 - 199$



Teacher: _____

Sign: _____

Date: _____

43

Lusuku:

Ithemu 2

Umgomo 400

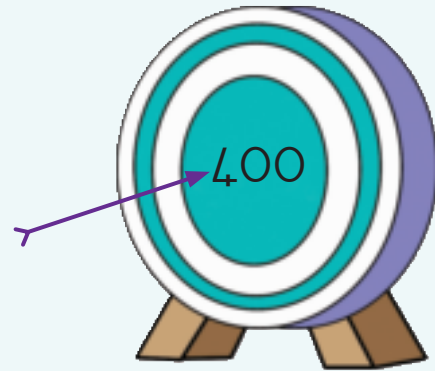


Kubala nekubhala ngema-400

Bala kusuka kuma-300 uye kuma-400

Shano tinombolo usachubeka.

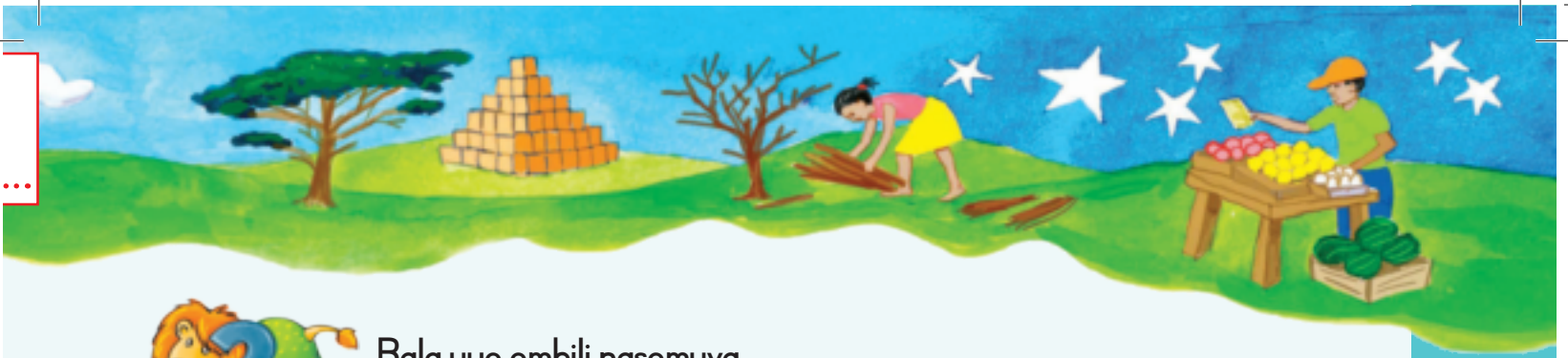
Bhala tinombolo letishiyiwe kulegridi.



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

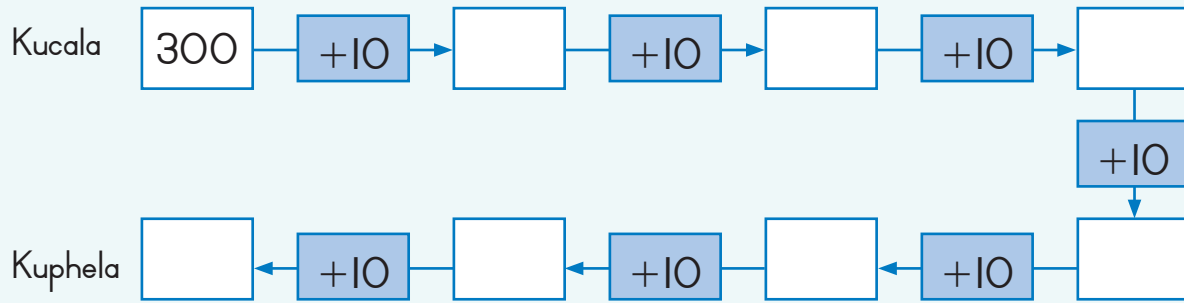
Bhala tinombolo letiyi-9 emva kwema-400.

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

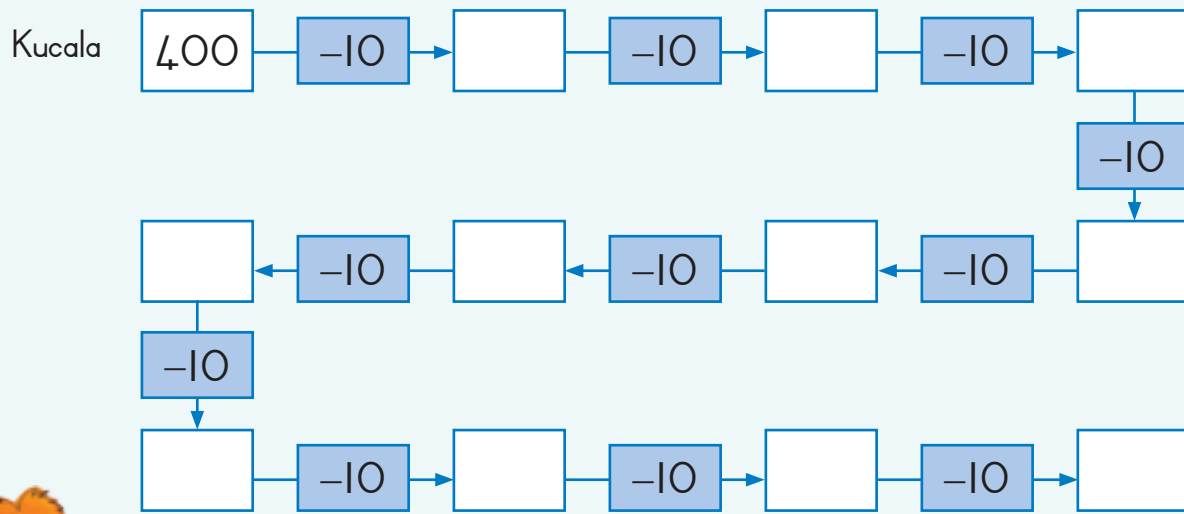


Bala uye embili nasemuva.

a. Kubala uye embili ngemashumi usuka kuma -300



b. Bala usuke kuma -400



Bhala kube yinombolo yinye.

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

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

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

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

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

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

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

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

Bhala tinombolo ngekulandzelana kwato kusuka kulencane kakhulu kuya kulenkulu kakhulu.



Teacher: _____
 Sign: _____
 Date: _____

44

Lusuku:

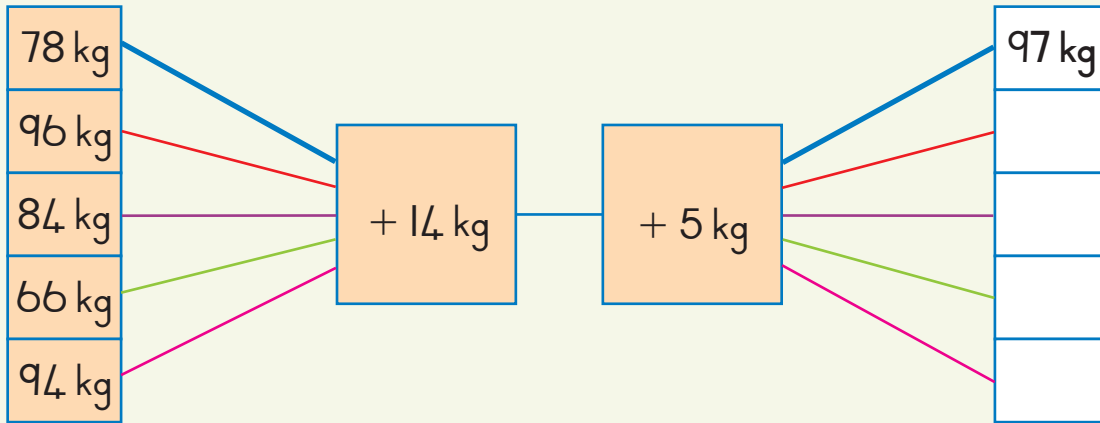
Ithemu 2

Kukala



Inombolo lekhethsekile

Hlanganisa uphindze ubhale timphendvulo.



Sondzeta bese uyengeta!

Cabanga ngekuhlakanipha!

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

Sondzeta sisindvo sesilwane ngasinye ku 10 kg.

Bhala sisindvo sesilwane ngasinye ngekulandzelana kusuka kulesilula kuya kulesesindzako.

Yenta silinganiso sesamba sesisindvo saletilwane letisi - 5 setitonkhe.



Hlanganisa lesisindvo sato.











Kungenteka ngingasindzi njengawe Lufudvu loludzala, kodvwa ngiyakwendlula ngelitubane!



Tingatselo

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



Teacher: _____

Sign: _____

Date: _____

45

Lusuku:

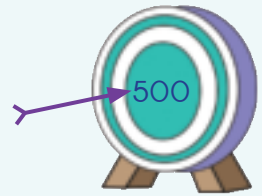
Ithemu 2

Umgomo 500



Bala uphindze ubhale

400



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

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

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

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

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

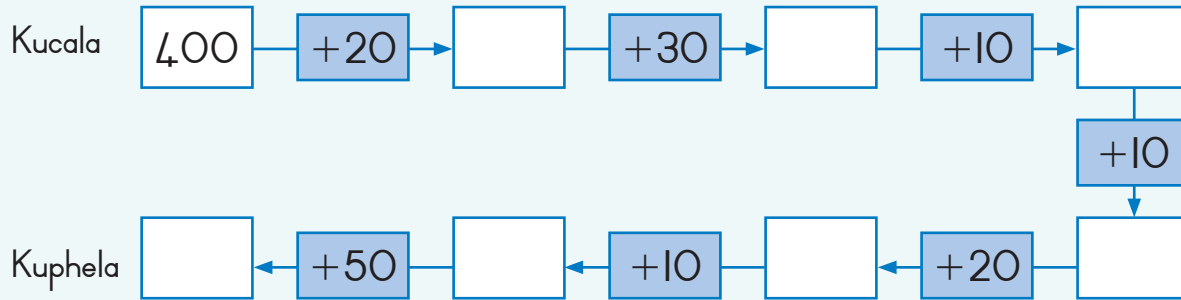
- Bala ngeti-5. Bhala tinombolo letisi-8 letilandzelako ngephethini yeti-5.

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

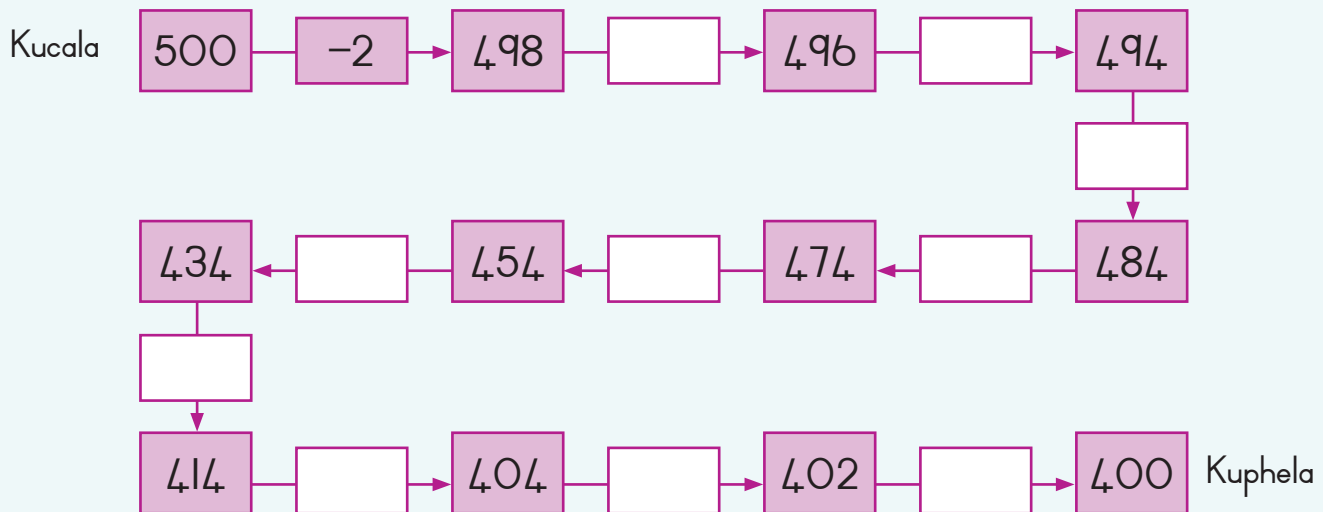


Yini umehluko?

a. Balela embili kusuka kuma-400.



b. Balela emuva kusuka kuma-500.



Khombisa letinombolo. Landzela lesibonelo.

Tfola inhlangu isela yesamba. Sebentisa emakhadi akho etinombolo kukhombisa samba ngasinye.

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

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



Kuhlanganisa nekususa

Yini lokubonako?

$200 + 50 + 4$ $200 + 30 + 5$	$400 + 80 + 9$	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

$$= 400 - 300 + 70 - 20 + 6 - 4$$

$$= 100 + 50 + 2$$

$$= 152$$



Indlela ya-Dumi

$$476 + 324$$

$$= 100 + 50 + 2$$

$$= 152$$

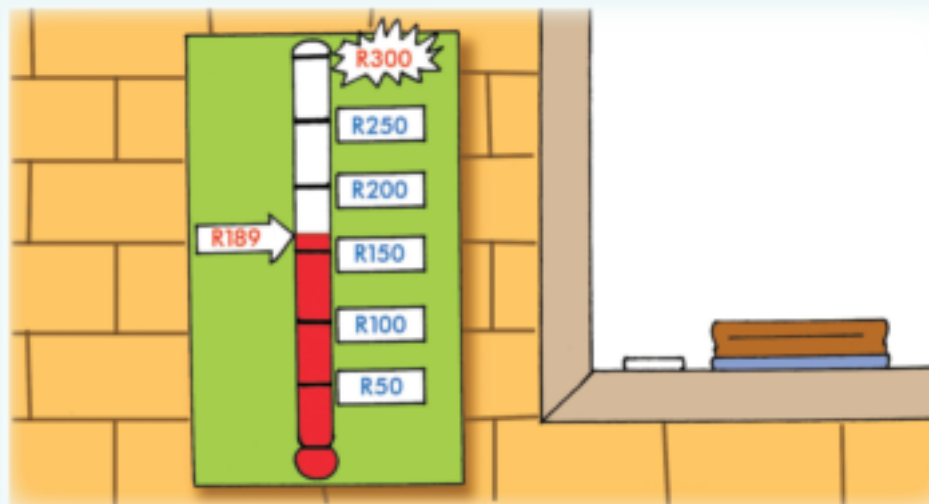


b. $489 - 456$

c. $482 - 161$



Kushaya inkoyoyo



Bukisa lesitfombe.

Kusele kangani ushaye inkoyoyo?

R



Teacher: _____

Sign: _____

Date: _____



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
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

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

Ligama lentsaba yi



Buka! Cabanga, futsi uphendvule!

* ☾ * * ☾ * * ☾ *

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

- a.
- | | |
|---|---------------------------|
| Lutawuba njani luphawu lwa-16? Faka luphawu (✓) loku lokunguko. | * <input type="radio"/> ☾ |
| Lutawuba njani luphawu lwa-18? Faka luphawu (✓) loku lokunguko. | * <input type="radio"/> ☾ |
| Lutawuba njani luphawu lwa-23? Faka luphawu (✓) loku lokunguko. | * <input type="radio"/> ☾ |

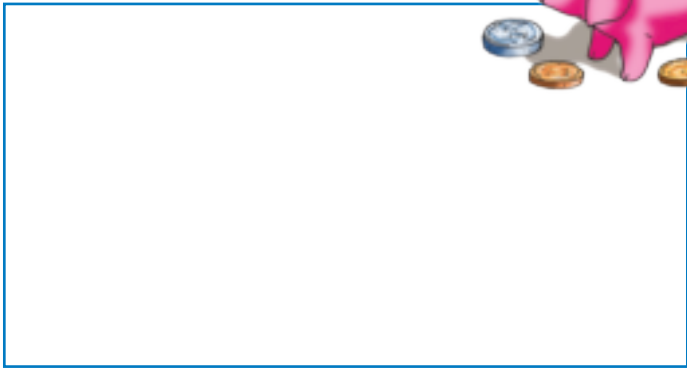
- b.
- | | |
|---|---------------------------------|
| Nombolo 50 utawuba * | Liciniso nobe Akusilo liciniso? |
| Nombolo 100 utawuba <input type="radio"/> | Liciniso nobe Akusilo liciniso? |
| Nombolo 28 utawuba ☾ | Liciniso nobe Akusilo liciniso? |



Hlola. Catsanisa. Lungisa.

Ngukuphi lokungetulu?

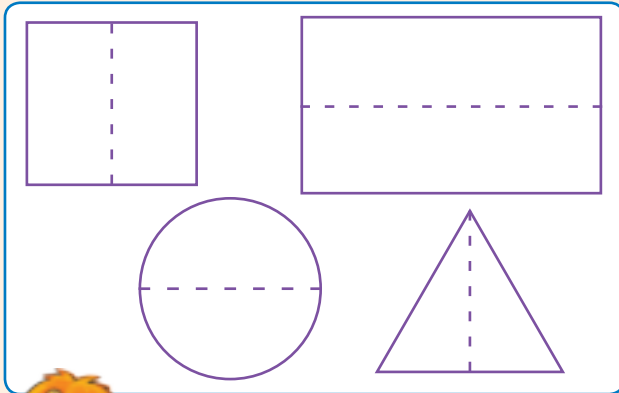
Kutfola R2,50 ngelilanga imali yekudla ngeNhlaba nangaKholwane noma kutfola R150 imali yonkhe yemphako waletinyanga totimbili. Khombisa kutsi ukubale njani loku.



Teacher: _____
 Sign: _____
 Date: _____

Umugca-sibuko

Yini lokunakako ngalabobunjwa?



Umugca wesitfunti-mafanana ubhukula emkhatsini boh haf u lababili kwente kutsi ih haf u iyinye if anane ncwe naleya lenye njengesitfunti esibukweni.

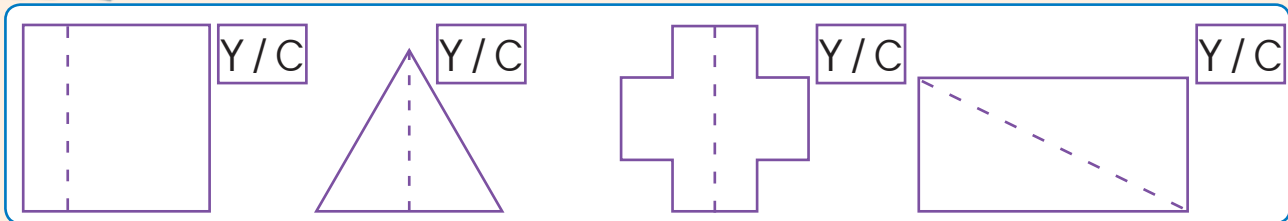
Bunjwa uba nesitfunti-mafanana uma ungamgoba emugceni wesitfunti-mafanana lapho khona laboh haf u lababili baf ana njengemaphahla.



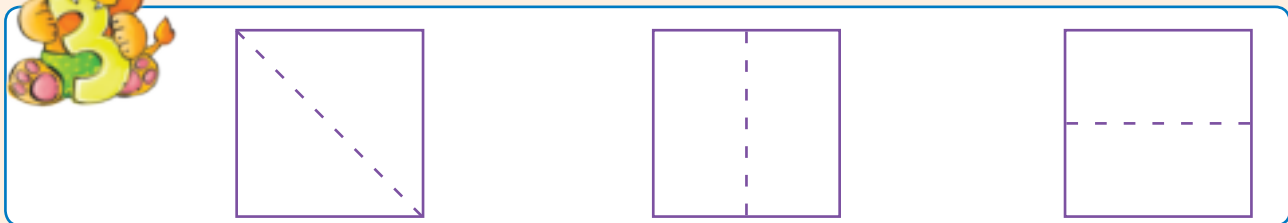
Dvweba umugca wesitfunti-mafanana waloyo naloyo bunjwa.

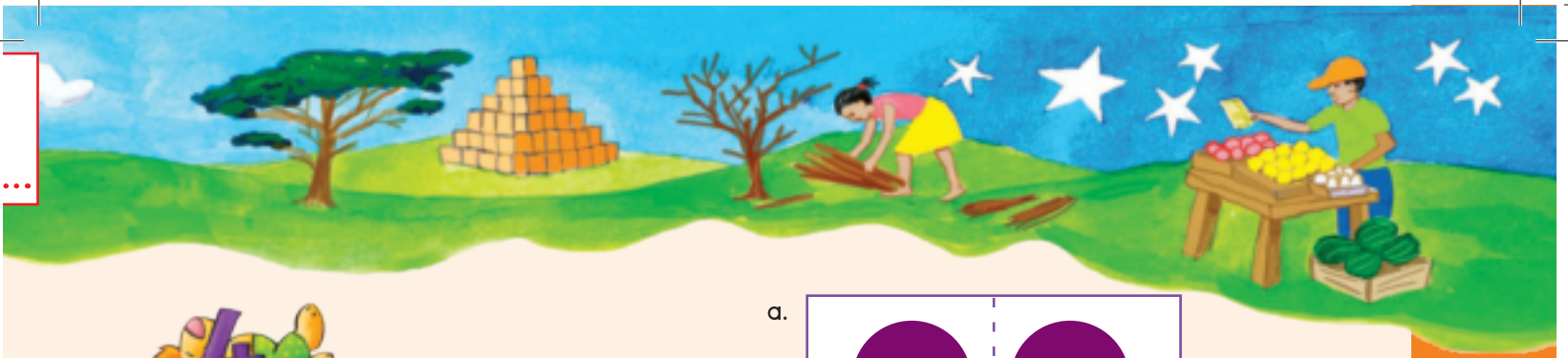


Umugca longemacashata ngabe ngewesitfunti-mafanana noma cha? Kipilitela (Yebo)noma (Cha).

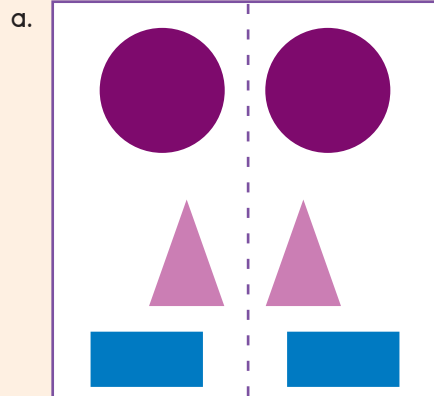


Ngabe nguwo umkhatsi-layini locondzile lo? Usho ngani?

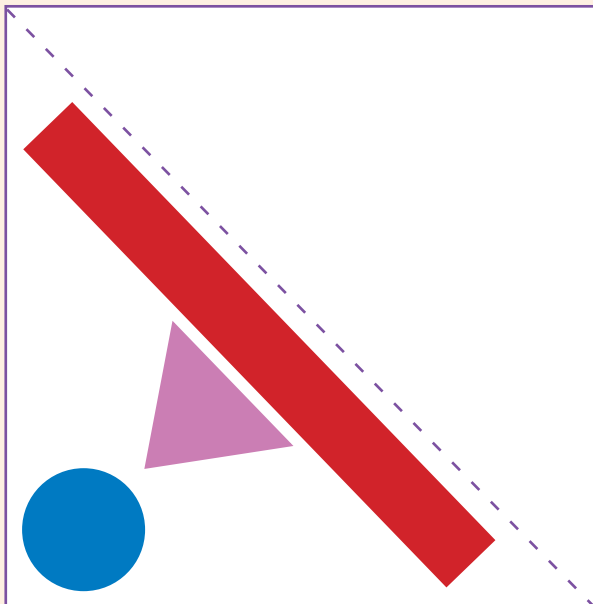




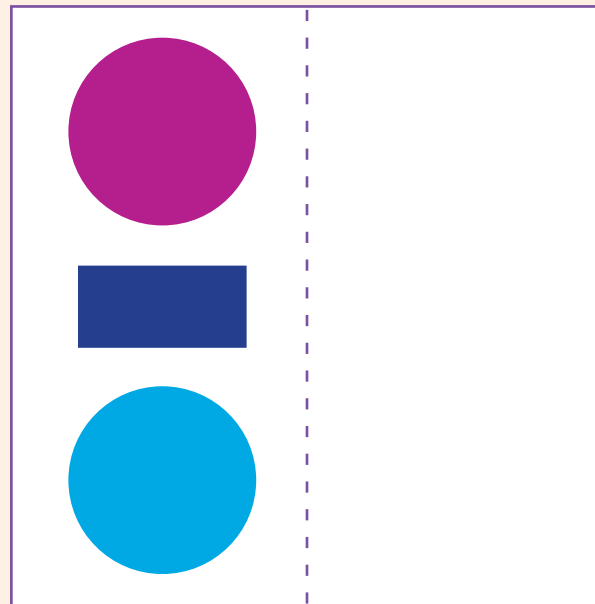
Dvweba bobunjwa kwenta sitfombe
sesitfunti-mafanana. Sikwentele
sibonelo sekucala.



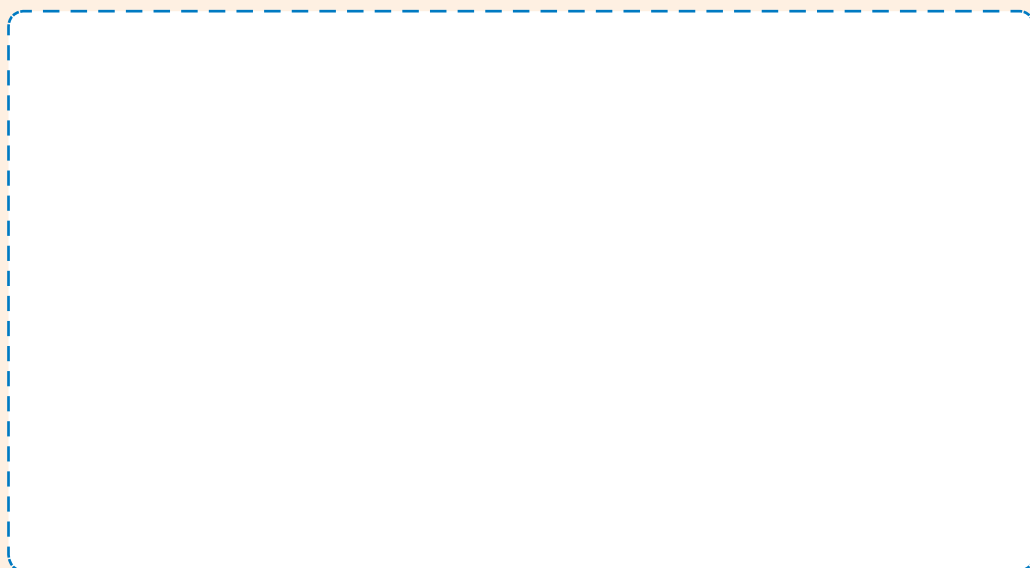
b.



c.



Yakha lakakho
licansi
letitfunti-
mafanana
usebentise
bobunjwa.



49

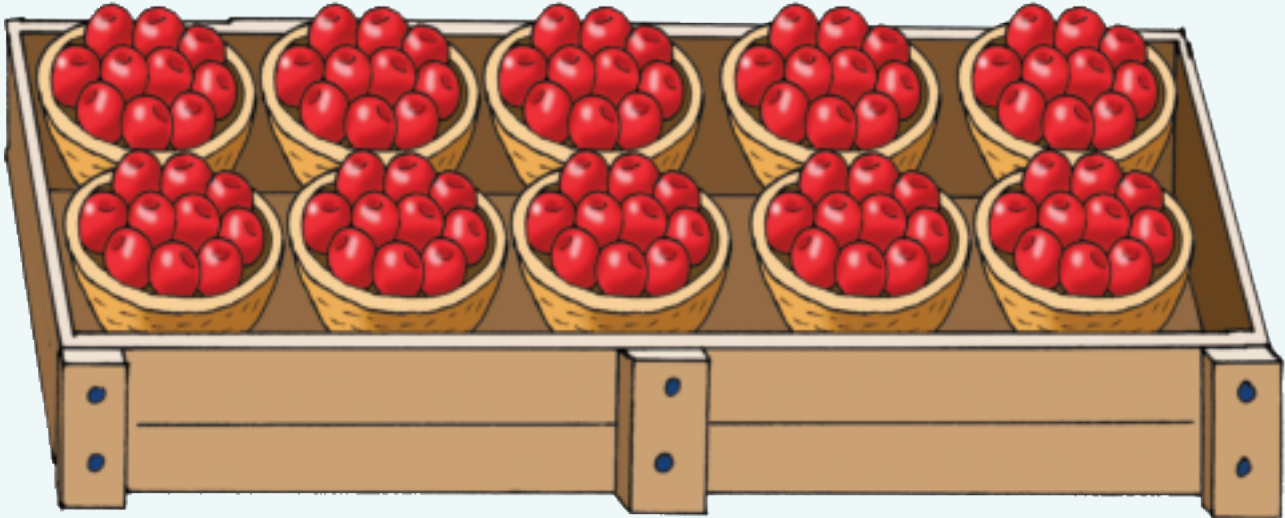
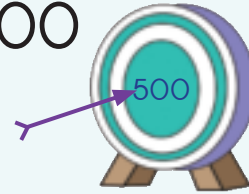
Lusuku:

Ithemu 2

Kwakha kufika kuma-500

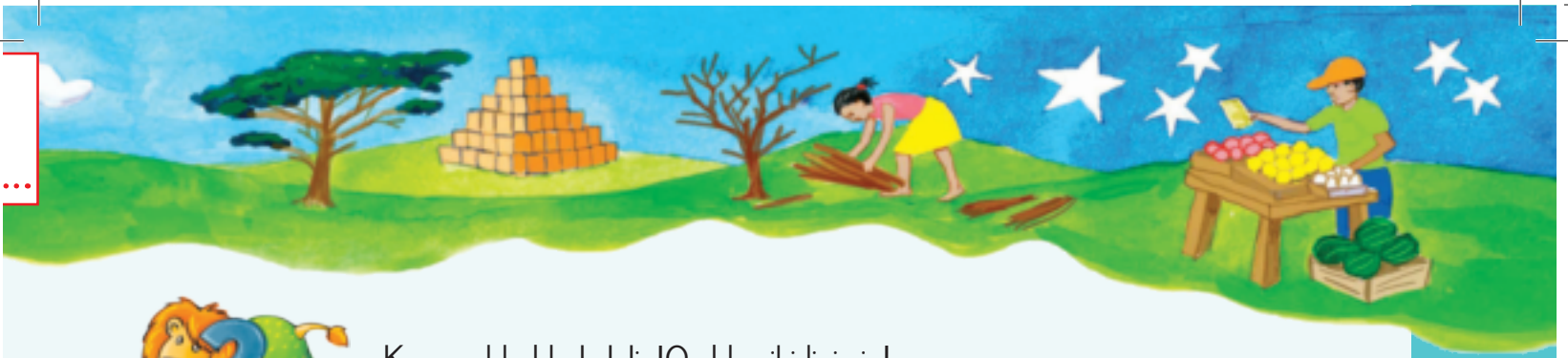


Kubala lamahhabhula



Cedzela bese uyaphindzaphindza.

Libhasikidi li-1 liphatsa emahhabhula la _____.	$1 \times 10 = 10$
Emabhasikidi lama-3 aphantsa emahhabhula la _____.	$3 \times 10 =$
Emabhasikidi lasi-5 aphantsa emahhabhula la _____.	
Emabhasikidi la-4 aphantsa emahhabhula la _____.	
Emabhasikidi la-2 aphantsa emahhabhula la _____.	
1 likasi licukatsa 100 wemahhabhula.	2 wemakasi acukatsa _____ wemahhabhula.
3 wemakasi acukatsa _____ wemahhabhula.	4 wemakasi acukatsa _____ wemahhabhula.
5 wemakasi acukatsa _____ wemahhabhula.	2 hafu wemakasi ucukatsa _____ emahhabhula.

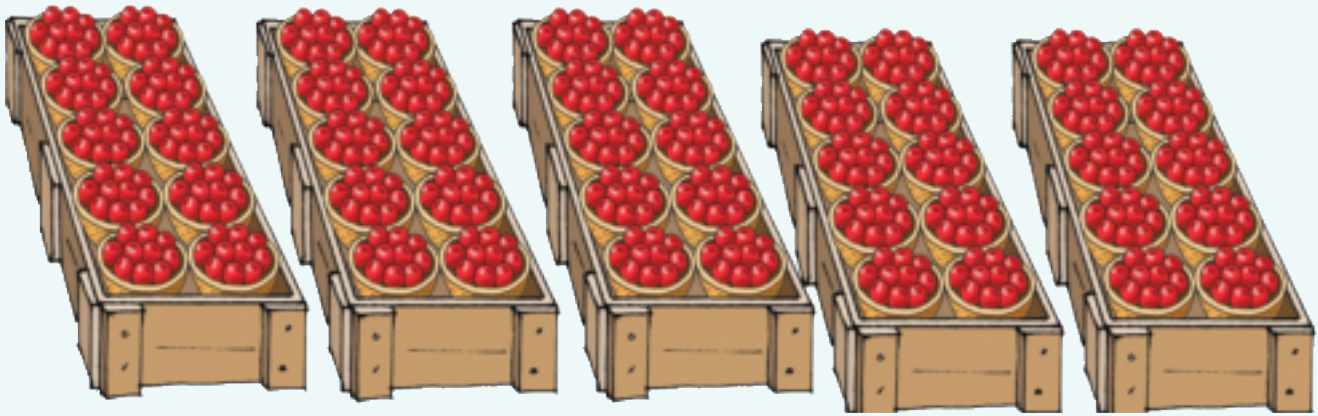


Kunemahabhula lali-IO ebhasikidini yi-l.

Kuna _____ wemabhasikidi ekasini linye.

Kuna _____ wemahabhula ekasini linye.

Mangakhi emahabhula sekawonkhe? _____



Bala, ukhombise futsi ubhale

300

40

5

Kwekucala sebentisa emakhadi etinombolo kukhombisa ithothali ngayinye.

Emva kwaloko bhala lenombolo.

3 emakasi + 4 emabhasikidi + 5 Emahabhula = 345 emahabhula

4 emakasi + 5 emabhasikidi + 7 Emahabhula = _____ emahabhula

5 emakasi + 2 emabhasikidi + 3 Emahabhula = _____ emahabhula

4 emakasi + 7 emabhasikidi + 2 Emahabhula = _____ emahabhula



Teacher: _____
Sign: _____
Date: _____

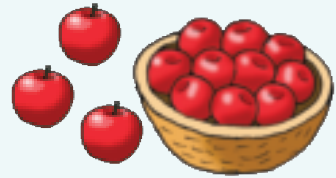
Kuphindzaphindza nekwaba nga (10)





Kubala emahhabhula.

Gcwalisa lelithebula.

Mangakhi emabhasikidi lacukatsa emahhabhula?

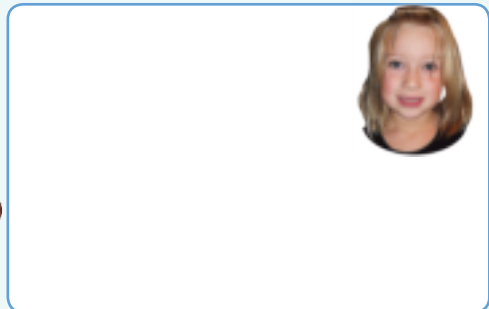
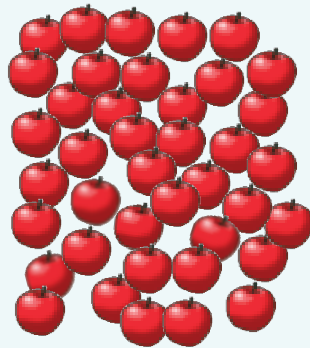


Emahhabhula 	10	20	30	40	50
Emabhasikidi 	1	2			
÷ sibalo					$50 \div 10 = 5$
× sibalo					$5 \times 10 = 50$



a.

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



Hlola timphendvulo takho

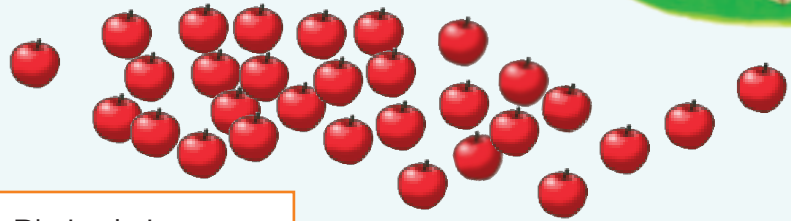
$$\square \div \square = \square$$

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

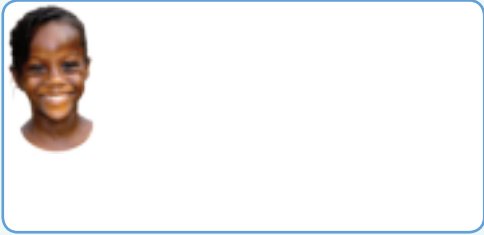




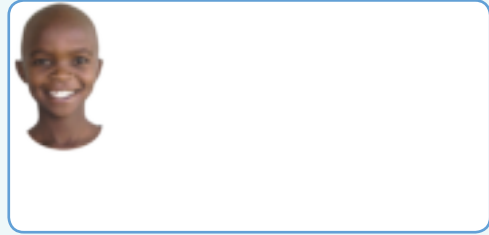
b.



Bhala sibalo se \div



Bhala sibalo se
 \times kuhlolisisa
 timphendvulo takho.



Sebentisa letinombolo kwenta yakho imishonombolo.



\div $40 \div 10 = 4$

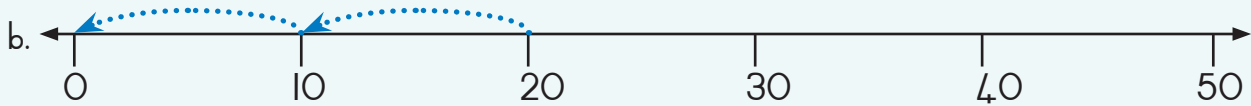
\times $4 \times 10 = 40$

Imishonombolo



\div

\times



\div

\times



\div

\times



Bhala inombolo lencane nga 10 nalenkhulu nga 10 kunaleyo leniketiwe.

<input type="text"/> , 460, <input type="text"/>	<input type="text"/> , 390, <input type="text"/>	<input type="text"/> , 500, <input type="text"/>
--	--	--

Teacher: _____
 Sign: _____
 Date: _____





Bala ngaku-2

Balela phambili ngaku-2 nasemuva.

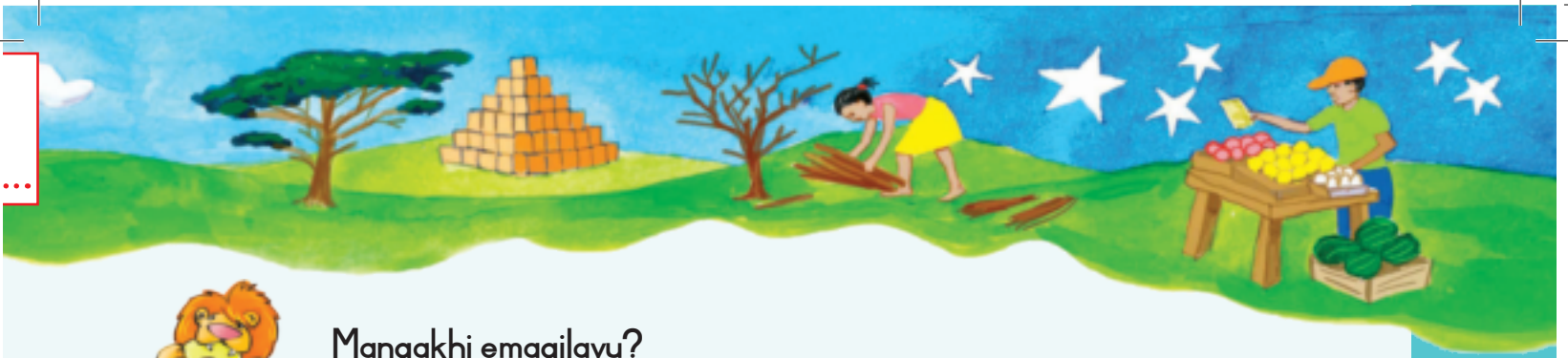
- a. 232; 234; _____; _____; _____; 242; _____; _____; 248
- b. 500; _____; 496; _____; _____; 490; _____; _____; _____
- c. 460; _____; _____; 400; _____; 360; _____; _____; _____
- d. 341; _____; 361; _____; _____; 391; _____; 411; _____; _____



Emapheya
emagilavu













- a. Mangakhi emapheya emagilavu kuluhlu lunye? _____
- b. Mangakhi emagilavu lahamba ngalinye kuluhlu lunye? _____
- c. Tingakhi tinhlu? _____
- d. Mangakhi emagilavu sekawonkhe? _____
- e. Khombisa kutsi ubale njani.
- f. Bhala imphendvulo yakho njengemushonombolo.
_____ × _____ = _____



Mangakhi emagilavu?

Bhala kumathebula.

a.

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

b.

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



Bala ngakubili.

a. Ngujiphi inombolo leba semkhatsini waleti?

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

b. Bhala tinombolo letimbili letilandzelako.

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

c. Bhala tinombolo letimbili letilandzelako.

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



Teacher: _____

Sign: _____

Date: _____

Yila ngemathayili



Kulungiselela kwenta ingadze



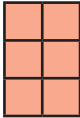
Make Mabena unemathayili lamahle.

Uwasebentise kupheva indzawo tsite engadzeni yakhe.

Kunemathayili lasi-6 lalinganako.

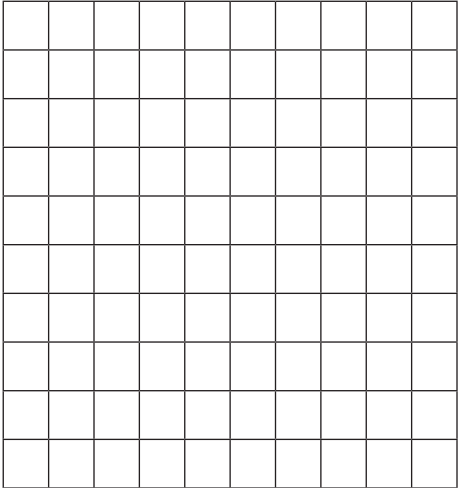
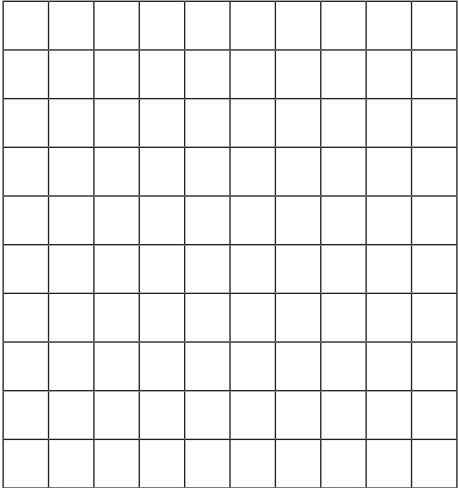
Kufanele ngiwabeke njani?



Ngengeta luhlu lu-1 ngemathayili lasi-6 ngeluhla.	Ngengeta tinhlu leti-2 ngemathayili lama-3 ngeluhla.	Ngengeta 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 ungawahlala njani emathayili lasi-8 ne-9 lasi kwele.

8 tikwele	9 tikwele
	

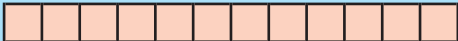
Bhala imishonombolo kumdvwebo ngamunye.

1 2 3 4 5 6 7 8 9 10



Hlela emathayili lali-12

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

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



Hlela emathayili langema-24

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



Ngingaphindzaphindza!

$12 = 2 \times \square$	$3 \times \square = 12$	$9 = \square \times 3$
$6 = 3 \times \square$	$\square \times 3 = 12$	$24 = 3 \times \square$





Teacher: _____

Sign: _____

Date: _____

Ngeti-5 kuya ku ma-500



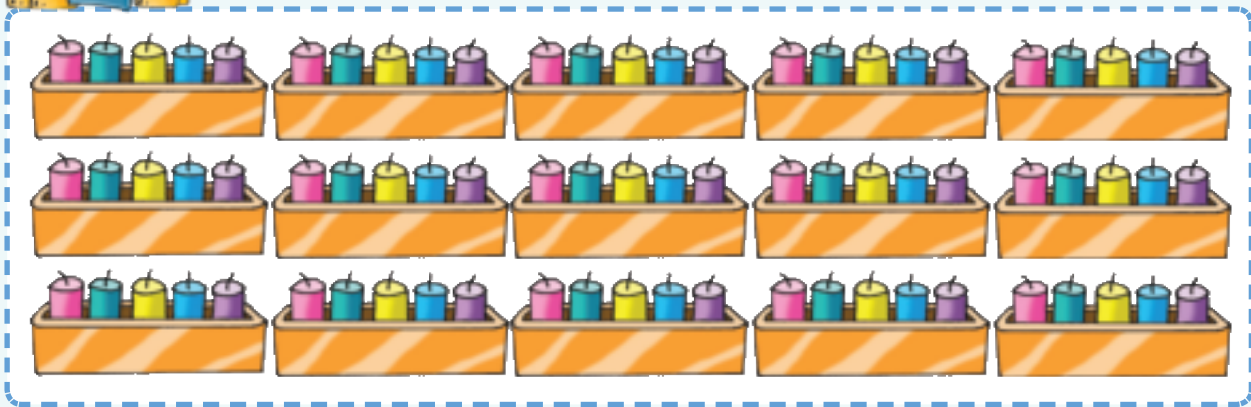
Yati ti-5 takho

Gcwalisa letimphendvulo.

	1	2	3	4	5	6	7	8	9	10
× 5	5									



Bala lamakhandlela



- a. Mangakhi emakhandlela ebhokisini ngalinye? _____
- b. Mangakhi emabhokisi eluheleni ngalunye? _____
- c. Mangakhi emakhandlela eluheleni ngalunye? _____
- d. Mangakhi emakhandlela sekawonkhe? _____



Khombisa imphendvulo yakho

Faka luphawu (✓) 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. $15 \times 5 = \square$

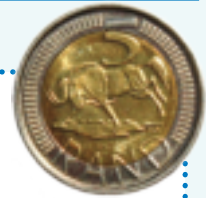


Balela phambili nasemuva ngeti - 5

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



Gcogca tindibilishi tabo R5



Bantfwana bakoleka boR5. Baswela kwenta bangakhi boR5?

R5 ÷ R5 = 1 indibilishi	R10 ÷ R5 = 2 tindibilishi	R15? ____	R20? ____	R25? ____
R30? ____	R35? ____	R40? ____	R45? ____	R50? ____

$2 \times R5 =$

$4 \times R5 =$

$3 \times R5 =$

$6 \times R5 =$

Ngabe uyayibona lephethini?



Phindzaphindza ngeti - 5

Sibonelo: $1 \times 5 = 5$; $11 \times 5 = 55$; $21 \times 5 = 105$

Cabanga ngekuhlakanipha! Yakha ngetintfo lotatiko!

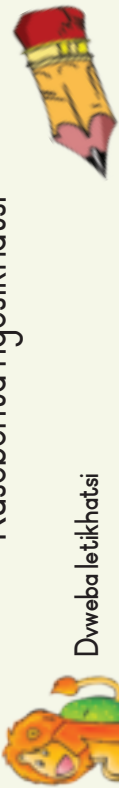
1	2	3	4	5	6	7	8	9	10
5	10								
11	12	13	14	15	16	17	18	19	20
55									



Teacher: _____
Sign: _____
Date: _____

Lusaku

Kusebenta ngesikhatsi



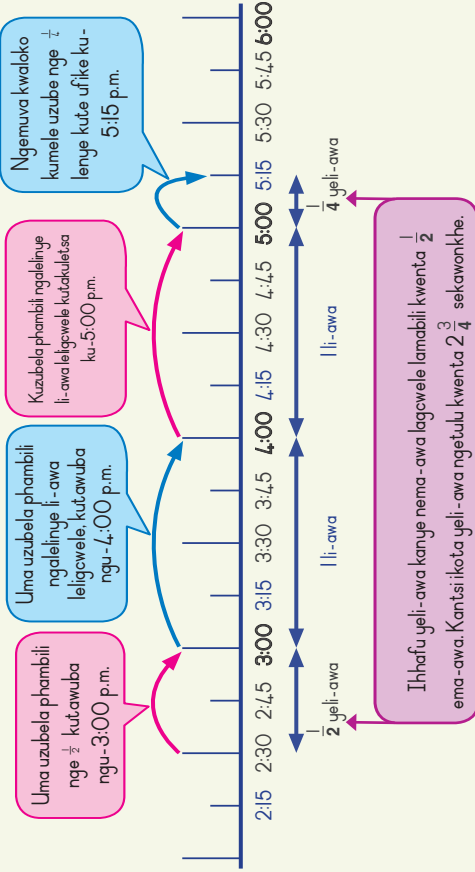
Dweba letikhatsi

Kugabence insimbi yesi-5	Kusele emashumi lasihlanu kutsi kushaye insimbi yelishumi nakunye	Imizuzu lelishumi nesihlanu ishayile insimbi yeli-12	12:45	6:15	4:30

Inkinga yesikhatsi

Make waNomsa usuka ekhaya nga- 2:30 p.m.
 Ubuya emuva ekhaya nga-5:15 p.m. Uhambe sikhatsi lesingakanani?

Singasebentisa umugasikhatsi kubala. Beka umunwe wakho ku-2:30, sikhatsi lekunguso nyalo.



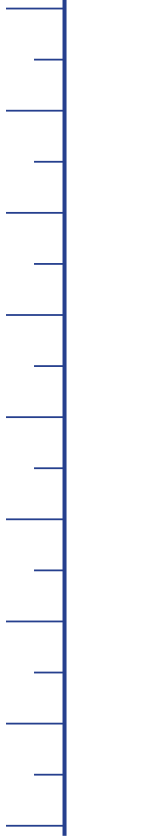
Tinkinga tesikhatsi

Buka. Catsanisa. Lungisa.

Catulula inkinga ngayinye. Sebentisa imigcasikhatsi kukusita.

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

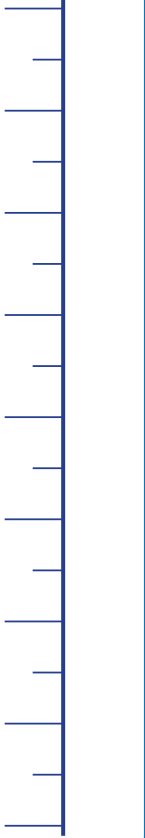
Uvakashe sikhatsi lesingakanani?



b. Musa uya apakki nga-10:45 a.m.

Ubuya ekhaya nga-12:30 p.m.

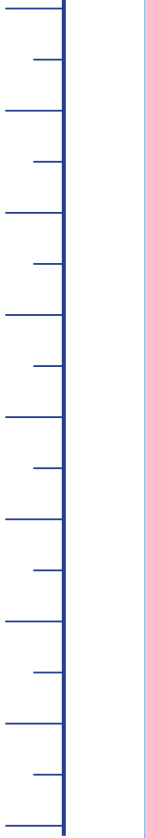
Uhambe sikhatsi lesingakanani?



c. Tumi ucala kufundza nga-13:15 p.m.

Ucedza nga-14:45 p.m.

Ngabe Tumi ufundze sikhatsi lesingakanani?



Lusuku:



Bala ngaku - 3 nangaku - 4



Emabhodo lanemilente lemi-3

Hlanganisa bese ubhala timphendvulo



- a. Mangakhi emabhodo eluheleni? _____
 - b. Mingakhi imilente eluheleni? _____
 - c. Mangakhi emahle emabhodo? _____
 - d. Mingakhi imilente sejyonkhe? Khombisa kutsi ukubale njani loku.
- Ngumuphi umusho nombolo lkhombisa sekukonkhe.
- $21 \times 7 = \square$ $3 \times 7 \times 3 = \square$ $3 \times 4 \times 2 = \square$ $21 \times 3 = \square$

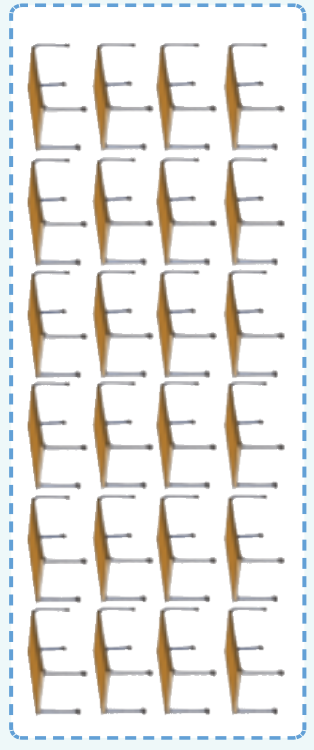


Mingakhi imilente?

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

Cabanga ngekushesha
Cabanga ngekuhlakanipha

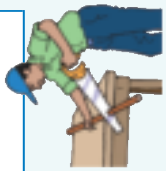
Imilente yelifatafula



- a. Mangakhi ematafula eluheleni? _____
- b. Mingakhi imilente eluheleni? _____
- c. Mangakhi emahle ematafula? _____
- d. Mingakhi imilente sejyonkhe? Khombisa kutsi ukubale njani loku.



Sisefektri



Umbati wakha ematafula. Ucale akhe imilente.

Sewakhe ema-48 kwanyalo. Mangakhi ematafula langawakha?

Kumele akhe mingakhi leminy e imilente yelifatafula linye?



Cedzela legridi ngekugcwalisa timphendvulo.

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

Teacher: _____
Sign: _____
Date: _____



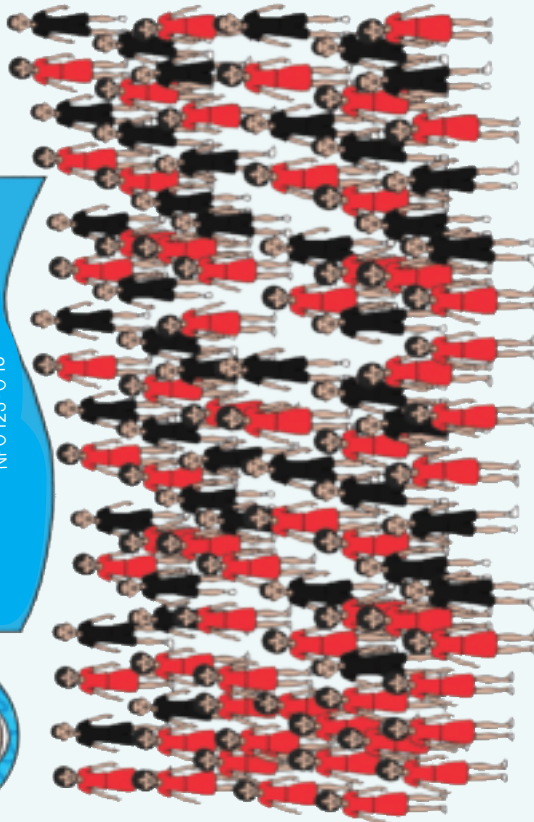
Sita bantfwana

Umntfwana munye, ingubo yinye!
Bangakhi bantfwana? Linganisa, bese uyabala.



Ngubo yelitsemba
Futfumelela bantfwabetsu

NPO 123-098



Bonkhe labantfwana esitfombeni batfola ingubo.
Bangakhi bantfwana labalapho? _____

Linganisa	Bala	Catsanisa
Bangakhi 😊 bafana? _____		Mangakhi 😊 emantfombatana? _____



Ngumalini lebambhadlalako?

Gwazi
Utsenga ti-2

Ubhadala R

Make Chaane
Utsenga si-5

Ubhadala R

Baka-Thembi Stores
batsenga ema-20

Babhadala R



Nikela nyalo!
R50 ingubo
yi-1



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



Kutawutsatsa sikhatsi lesingakanani? Sebentisa ikhalenda.

Liklasi leLibanga 3 ligcogca imali yekutsenga tingubo leti-4.

Bagcogca R5 ngelilanga ngemalanga lasi-5 ngeliviki.

Babzinga mangakhi emaviki kukoleka imali yaletingubo?

Teacher: _____
Sign: _____
Date: _____

Lusuku:

Emafrakishini: boh hafu nemkota

Yaba emabhola ngekulingana emkhat-sini wemabhokisi



<ul style="list-style-type: none"> Mangakhi emabhola ebhokisini linye? <input type="text"/> Mangakhi emabhola ebhokisini lelisamsobo? <input type="text"/> Ngubani ifrakishini yemabhola lesebhokisini lelisamsobo? <input type="text"/> 	<ul style="list-style-type: none"> Mangakhi emabhola ebhokisini linye? <input type="text"/> Mangakhi emabhola ebhokisini lelisamsobo? <input type="text"/> Ngubani ifrakishini yemabhola lesebhokisini lelisamsobo? <input type="text"/>



Buka letit fombe bese uphendvula imibuto.

<ul style="list-style-type: none"> Tingakhi tindilinga longatibala? <input type="text"/> Ngubani $\frac{1}{2}$ yetindilinga? <input type="text"/> 	<ul style="list-style-type: none"> Tingakhi tindilinga longatibala? <input type="text"/> Ngubani $\frac{1}{4}$ yetindilinga? <input type="text"/> Ngubani $\frac{2}{4}$ yetindilinga? <input type="text"/> Ngubani $\frac{3}{4}$ yetindilinga? <input type="text"/> Ngubani $\frac{4}{4}$ yetindilinga? <input type="text"/>



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



Buka lelibhinde frakishini



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

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

Mangakhi emakota ($\frac{1}{4}$) lakha ihhafu?

b. Buka lemidwwebo bese ubhala ifrakishini yencenye lefakwe umbala.

c. Nguyiphi ifrakishini lenkhulu $\frac{1}{2}$ noma $\frac{1}{4}$?

Emafrakishini: boh hafu, boncenyentsatfu naboncenyisitfupha



Yaba tikotela (emasilinda) ngalokulingandako emabhokisini.

<p>It hot hali yetikolela:</p> <ul style="list-style-type: none"> Tingakhi tikotela ebhokini lelisamsobo? <input type="text" value="12"/> Itsini ifrakshini yaletisebhokisini lelisamsobo? <input type="text" value="6"/> <input type="text" value="1/2"/> 	<input type="text"/>	<input type="text"/>

Buka letit fombe bese uphendvula imibuto.

--	--	--	--	--

Tingakhi tindlinga longatibala?

Ngubani i $\frac{1}{2}$ yetindlinga?

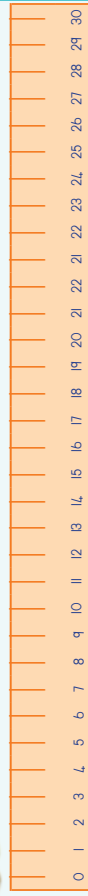
Ngubani i $\frac{1}{3}$ wetindlinga?

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

Ngubani i $\frac{3}{5}$ wetindlinga?

Ngubani i $\frac{1}{5}$ wetindlinga?

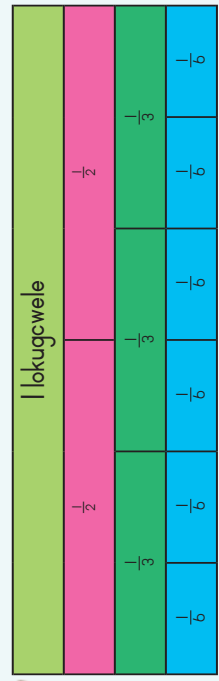
Ngubani i $\frac{5}{5}$ wetindlinga?



- Khombiza ihhafu yinye yerula. Loku kwakha _____ cm.
- Khombisa kunye kwalokutsatfu kulerula. Loku kulingana na _____ cm
- Khombisa kunye kwalokusitfupha kulerula. Loku kulingana na _____ cm



Buka lamabhande -frakishini. Cedzela lemisho.



- Kunemahhafu la _____ kulokugcwele.
- Kunaloku _____ kwalokutsatfu kulokugcwele.
- Kunaloku _____ kwalokusitfupha kulokugcwele.
- Kunaloku _____ kwalokusitfupha ehhafini.
- Kunaloku _____ kwalokusitfupha kulokutsatfu.

Bhala ifrakishini yencenye lefakwe umbala.

Three geometric shapes with empty boxes for fractions: a circle, a triangle, and a hexagon.

Kipilitela ifrakishini lenkhulu.

a. $\frac{1}{2}$ $\frac{1}{3}$

b. $\frac{1}{2}$ $\frac{1}{6}$

c. $\frac{1}{2}$ $\frac{2}{6}$

Teacher: _____
Sign: _____
Date: _____



Lusuku:

Emafrikishini: boncenyehlanu



Yaba tikotela emabhokisini.

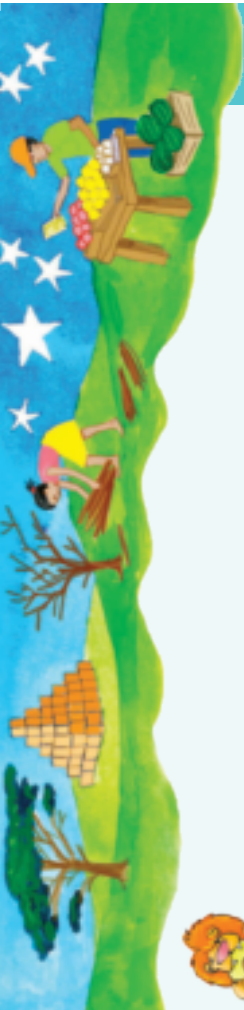
- Ku- $\frac{1}{5}$ emabhokisi kunetikotela letingu
- Ku- $\frac{2}{5}$ emabhokisi kunetikotela letingu
- Ku- $\frac{3}{5}$ emabhokisi kunetikotela letingu
- Ku- $\frac{4}{5}$ emabhokisi kunetikotela letingu
- Ku- $\frac{5}{5}$ emabhokisi kunetikotela letingu



Buka titfombe bese uphendvula imibuto.

Mangaki emashokoleli ebhokisini?

- incenye-sihlanu wemashokoleli ulingana na
- tincenye-sihlanu timbili wemashokoleli ulingana na
- tincenye-sihlanu tintsatfu wemashokoleli ulingana na
- tincenye-sihlanu tine wemashokoleli ulingana na
- tincenye-sihlanu letishlanu wemashokoleli ulingana na
- Ngalelinye lilanga ngadla $\frac{1}{5}$ wemashokoleli. Kusele mangaki emashokoleli?
- Ngalelinye lilanga ngaphindze ngadla i- $\frac{1}{5}$. Kusele mangaki emashokoleli?

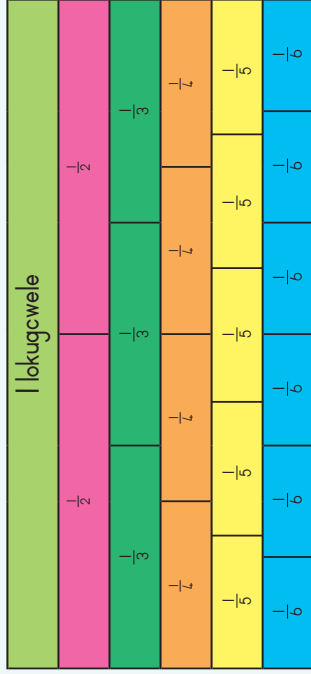


Faka umbala ku- $\frac{1}{5}$ welithuluzi lekukala.

a.



Buka lamabhande frakishini bese uphendvula imibuto.



Kipilitela lokukhulu noma lokuncane

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



Teacher: _____
Sign: _____
Date: _____

Lusaku:

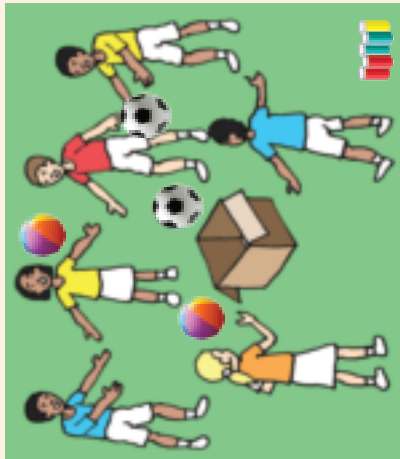
Tintfo letibusontsatfu (i3D)



Bala emabhokisi (emaprizimu).

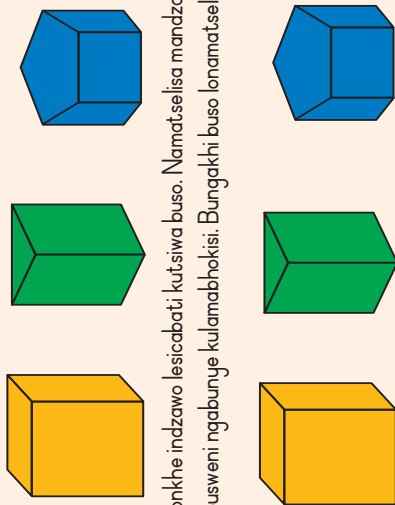
Bala emabhola (tuyingiliti).

Bala emasilinda.



Loku konkhe ngemabhokisi.

Sebentisa Lokusikiwe lishadi 3 na 4 kwakha loku.



Yonkhe indzawo lesicabati kutswa buso. Namatselisa mandzamadza munye ebusweni ngabunye kulamabhokisi. Bungakhi buso lonamatselise kubo:

ikhubhu iphrizimu iphrizimu

Buso bemaprizimu bulucabati noma buyindilinga?



Nyalo - ke yakha umbhoshongo lokuLokusikiwe lishadi 4.

Buso besilinda bulucabati noma buyindilinga?



Sebentisa tintfo takho kwakha loku lokulandzelako.

Sebentisa emagama kuchaza simondzawo sesilinda.

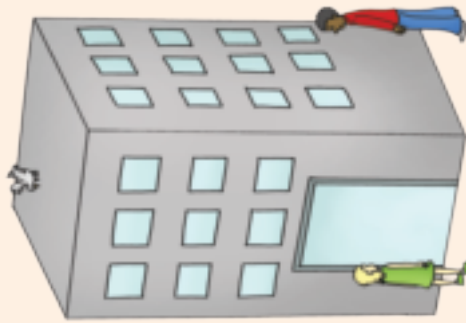
ngaseluhlangotsini

ngembali

ngetulu



Sebentisa emagama langentasi kucedzela lemisho



Intfombatana ibuke _____ kwesakhiwo.

Indvoza ibuke _____ kwesakhiwo.

Inyoni ibuke _____ kwesakhiwo

eceleni

ngetulu

ngembali



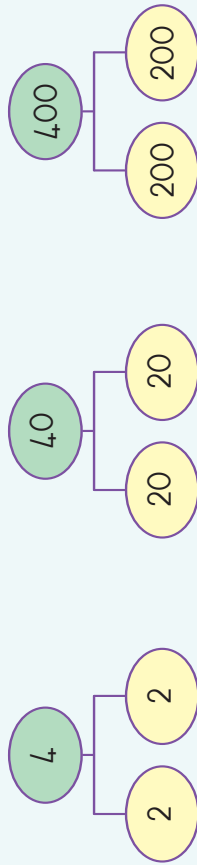
Teacher: _____
Sign: _____
Date: _____

Lusuku:

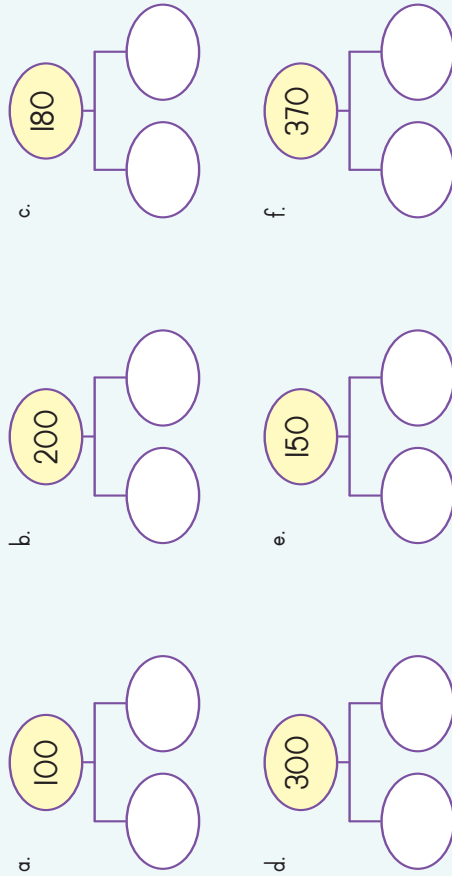
Kuphindza nehafu

Usakhumbula? ku-2 uyijhafu yu-4 ku-4 kuphindwe ku-2
 ema-20 uyijhafu ye-40 ema-40 kuphindwe ema-20
 ema-200 uyijhafu ye-400 ema-400 kuphindwe ema-200

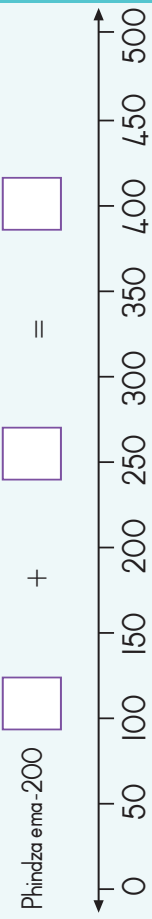
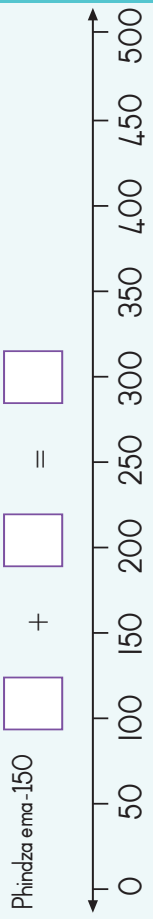
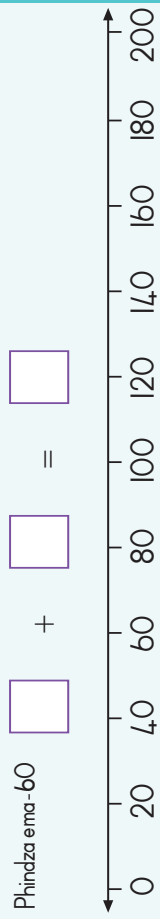
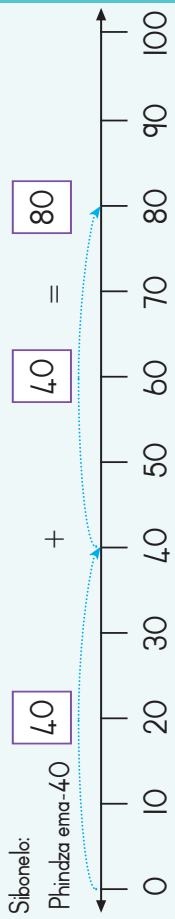
Khumbula! Singakukhombisa loku ngekudweba umdwebo ...



Kutfola bohafu



Phindza letinombolo usebentisa umugoa nombolo. Sibonelo sekucala wentelwe.



Cedzela loku lokulanzelako

a. Phindza 100	200
b. Phindza 150	
c. Phindza 120	
d. Phindza 200	
e. Phindza 170	



Cedzela loku lokulanzelako

a. Hhafula 220	110
b. Hhafula 180	
c. Hhafula 260	
d. Hhafula 60	
e. Hhafula 320	

Teacher: _____
 Sign: _____
 Date: _____



Kuphindza kabili nehhafu kuyachubeka

Tfola lokuphindwe kabili nobe emdhhafu

a. b. c. d. e. f.

Kongela libhaysikili.

Peter wonga ema-R25 ngeliviki kut-sengo libhaysikili. Kumele onge emaviki lamangakhi?

Imphendulo: Emaviki

Endalini

Tonkhe letintfo titsengiswa ngeh hafu yentsengo. Bhala lent-sengo eceleni kwentfo ngajinye.

a. Tingubo R190 Int-sengo yekutsengisa _____		b. Emashidi R154 Int-sengo yekutsengisa _____	
c. Imicamelo R54 Int-sengo yekutsengisa _____		d. Titulo R220 Int-sengo yekutsengisa _____	

Indali R450
Int-sengo leh hafu liwe:
beyingu R900

Mangakhi emarandi?

R135	Musa ufuna lelihembe. Unehhafu kuphela yelinani. Usadzinga malini? R _____
R78.50	Ticatfulo taPeter tibita lokuphindwe kabili kwendlulela. Ngabe ticatfulo taPeter tibita malini? R _____
R97	Liloko laPhindi liphindza kabili int-sengo yaleli. Ngabe lilokwe laPhindi libita malini? R _____

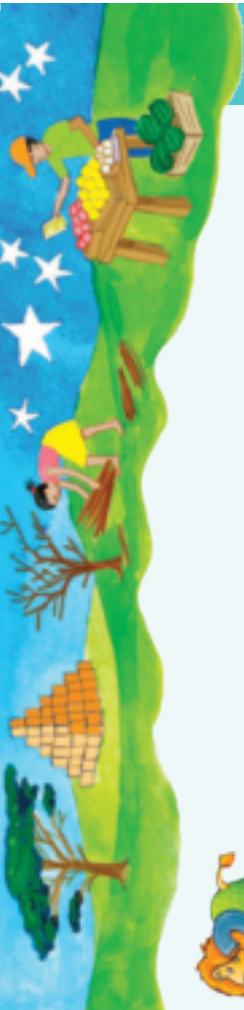
Yini lengenako? Yini lephumako?

Lanzela lesibonelo. Gcwalisa tinombolo letingekho.

a.

b.

Lundi:



Butsisa bese uyahlnganisa



Beka ndzawonye labantf'wana

Nikhs Ndaba ufuna kwehlukana likilasi ngemacambu ebukhulu lobulinganako kute wudlala ngaphandle. Kwekucala ubabeka ngemacambu alaba -4.

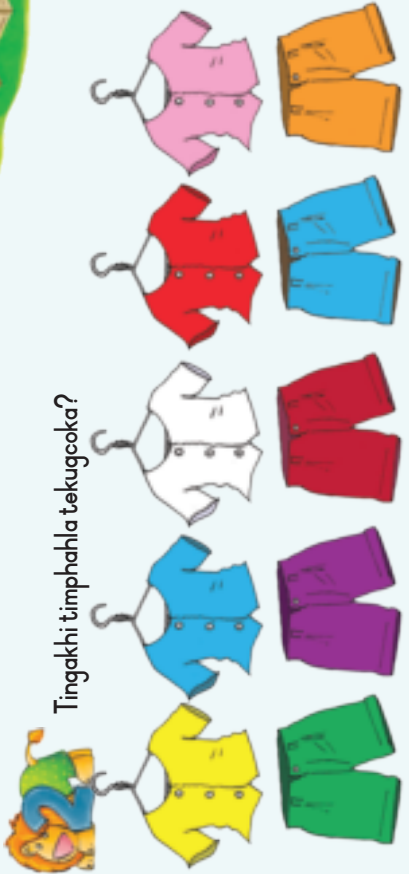


- a. Bangakhi labantf'wana?
- b. Nikhs Ndaba wakhe mangakhi emacambu?
- c. Tjengisa tonkhe letinye tindlela tekubabutsanisa ngemacambu lalingandko.

Buka. Catsanisa. Lungisa.

Blank lines for writing answers to question c.

Tingakhi timphahla tekugcoka?



Phindi unemahembe lasi -5 emibala kanye nemabhulukwana lasi -5 emibala.

Tingakhi timphahla tekugcoka letehlukene langatenta ngekusebentisa tinhlanganisela letehlukene temibala?

Sibonele: Lihembe lelilingangane/ emabhulukwana lalingangane. Lihembe lelilingangane/ emabhulukwana laliphuti.

Bhala luhlavu lwekucala lwemibala ngamunye. Khombisa tonkhe timphahla letingaba khona.

Blank lines for writing answers to the clothing activity.

Cagela: Yini letawenteka uma ngabe Phindi anemahembe kanye nemabhulukwana lasi -6 emibala leyehlukene?

Angenta timphahla tekugcoka letingakhi?

Buka. Catsanisa. Lungisa.



Teacher: _____
Sign: _____
Date: _____

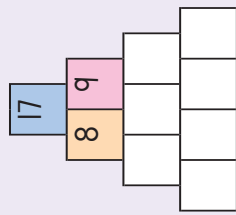
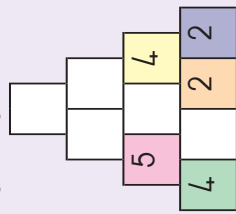
Kutjabulisa ngetibalo



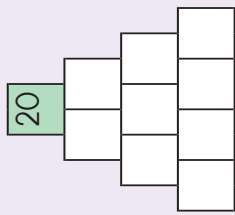
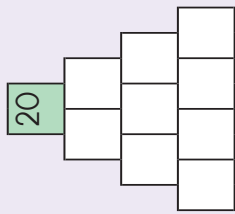
Tfola umtsetfo

Sebentisa lomtsetfo kutfola tinombolo letingekho.

Nyalo -ke yenta loku.



Yakha ufike kuma -20 ngetindilela letintsatfu.



Insayeya

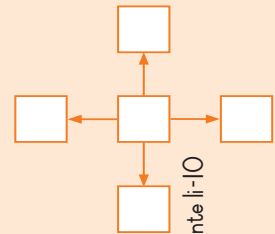


Ase ucabange!

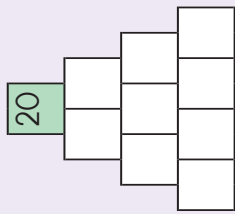
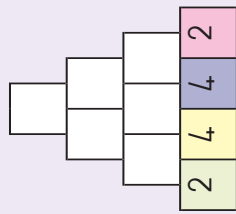
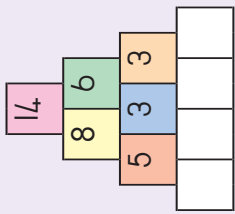
Sebentisa letinombolo 1, 2, 3, 4, na 5.

Letinombolo letintsatfu eluhlwini lunye kumele tente li-10 setitokhe.

Umtsetfo: Sebentisa inombolo ujnye kanye.



Lusaku:



Kutfola tinombolo

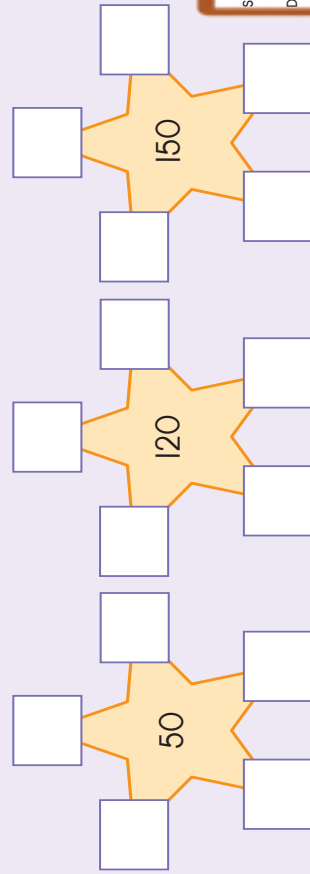
a. Umtsetfo: Tinombolo eluhlweni ngalunye kumele tihlangane takhe li-16.

2	5	3	6
			2
		2	

b. Umtsetfo: Tinombolo leti-3, kuvundla nekuqaphasi, tihlangana tente ithot-hali lefanako.

2	7	6	23	28	21
9		1	12		26
		3		10	

c. Umtsetfo: Ehala noma ngutiphi tinombolo leti-5 leihlangana takhe inombolo lengekhatasi kwenkhanjethi.



Teacher: _____
Sign: _____
Date: _____

1	1	0	1	0	0
2	2	0	2	0	0
3	3	0	3	0	0
4	4	0	4	0	0
5	5	0	5	0	0
6	6	0	6	0	0
7	7	0	7	0	0
8	8	0	8	0	0
9	9	0	9	0	0

1	0	0	1	0	1
2	0	0	2	0	2
3	0	0	3	0	3
4	0	0	4	0	4
5	0	0	5	0	5
6	0	0	6	0	6
7	0	0	7	0	7
8	0	0	8	0	8
9	0	0	9	0	9

