

Ukufunda ngoMthethosisekelo weRiphabliki yeSewula (1996)

UMthethosisekelo weSewula Afrika (1996) umumethe imithetho yenarha eseqophelweni eliphezulu. Imithetho le kumele ilandelwe ngumongameli wenarha, abaphathi beenkundla zemithetho kanye nalabo abasembusweni.

Imithetho le ihlathulula kobana abantu benarha bafenele baphathane njani, ukuthi ngimaphi amalungelo wabo nokuthi ngiziphi iimbopho abanazo. UMthethosisekelo wenzelwe ukusivikela soke thina kanye nabentwana bethu ngomuso.

Kuqakathekile ukwazi izehlakalo zesikhathini esidlulile ko.

Asingabu yeleti iimphoso zangesikhathi esidlulile ko.

UMthethosisekelo usisiza ukucabanga nok wakha ilingomuso eling cono lethu soke.

Thina, abantu beSewula Afrika;

Siyakwazi ukungaphatheki kwethu ngokomthetho esikhathini esadlulako;

Siphathela phezulu abahlukunyezwa ngebanga lokobana kubenokulunga begodu nekululeko enarheni yekhethu;

Sihlonipha labo abasebenze ekwakheni begodu nekuthuthukiseni iphasi lekhetu; begodu

Bakholelwa bonyana iSewula Afrika ngeyabo boke abahlala kiyo, sibambene ngokwahlukahlukana kwethu.

Ngalakho-ke, ngabajameli bethu abakhethwe ngokukhululekileko; samukela uMthetho-sisekelo lo njengoMthetho wokuthoma weRiphabliki oza—

Kuqeda ukwahlukana okwadlulako begodu sakhe umphakathi ozokudizimelela kuminqopho yentando yenengi ubulungiswa begodu namalungelo wangokomthetho wobuntu.

Ukubeka isisekelo sentando yenengi begodu nomphakathi onzinzileko lapho umbuso unzinze khona phezulu kwentando yesitjhaba begodu lapho zoke izakhamuzi zivikelwe khona ngokomthetho.

Ukwenza ncono izinga lepilo yazo zoke izakhamuzi begodu nokuvezwa kwekgono lawo woke umuntu;

Ukwakha, iSewula Afrika ebumbeneko begodu nenentando yenengi ezokwazi ukuthatha indawo yayo njengenarha ezijameleko emndenini weentjhabatjhaba.

Funa ngekani amalungelo wakho njengesakhamuzi seSewula Afrika bewube nesibopho sokuvikela amalungelo wabanye abantu.

Ukwazi umThethomling wa wamalungelo Kanye nomThethomling wa weembopho.

UZimu akavikele abantu bekhethu.

Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.

God seën Suid-Afrika. God bless South Africa.

Mudzimu thatutshedza Afurika. Hosi katekisa Afrika.

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MATHEMATICS IN ISINDEBELE

GRADE 3 – BOOK 1

TERMS 1 & 2

ISBN 978-1-4315-0008-6

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15th Edition



IIMBALO NGESINDEBELE – IGreyidi 3 Incwadi 1

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basic education

Department:
Basic Education
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IGreyidi 3

Ibizo:

Itlasi:

IIMBALO NGESINDEBELE

Incwadi 1
Ithemu 1 & 2

Ukubuyeleza, ihlaliswe ngokwesititimende sekharukhulamu nomThethomgomo wokuhloa.



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UKkz. Angie Motshekga,
nguNqgonqgotjhe
weFundo-Sisekelo



Dorh. Reginah Mhaule
nguSekela kaNqgonqgotjhe
weFundo-Sisekelo

Iincwadi lezi zenzelwe abantwana beSewula Afrika ngaphasi koburholi bakaNqgonqgotjhe wezeFundo-Sisekelo uMma u-Angie Motshekga kanye neSekela lakhe Dorh. Reginah Mhaule.

Iincwadi zokuSebenzela zakwaRainbow ziyingcenywe yeendlela ezinengi zomNyango wezeFundo-Sisekelo wokungenelela onqophe ukuthuthukisa ukusebenza ngcono kwabafundi beSewula Afrika kumagreyidi wokuthoma asithandathu. Njengamanye wamaHlelo womBuso aphuma phambili, iphrojekthi le isekelwe ngeemali ezibuya esiKhwameni seeMali seLizweloke. Lokhu kusize umNyango ukukhupha iincwadi zokusebenzela lezi ngawo woke amalimi asemthethweni ngaphandle kweendleko.

Siyathemba kobana nizokufunyanisa iincwadi zokusebenzela lezi zilisizo khulu ekufundiseni kwenu kwangamalanga kanye nokuqinisekisa kobana abafundi benu bayayiqeda ikharikhyulamu. Sitjheje khudlwana ukuhlahla abotitjhere komunye nomunye umsebenzi ngokusebenzisa iinthombe ezitjengisako bona ngikuphi umfundi amele akwenze.

Siyathemba kobana abantwana bazokuthabela ukusebenzisa iincwadi lezi njengombana bakhula bebefunda nje, begodu wena titjhere uzokwabelana nabo ithabo lokufunda.

Sinifisela ipumelelo ekusebenziseni iincwadi lezi.

IGreyidi

3



NGESINDEBELE

Incwadi le ngeyaka:



ISINDEBELE

Incwadi



Ilanga:

Balisisa, hlela bewutjengise!

Ithemu I



Ziinkwekwezi ezingaki?

Madanisa iimpendulo.



Linganisa kobana ziinkwekwezi ezingaki. _____

Kwanjesi zibale! _____



Thola othumbileko!

Ngubani olinganise kuhle khulu?

Zalisa amabizo wakho neempendulo etheyibuleni le.

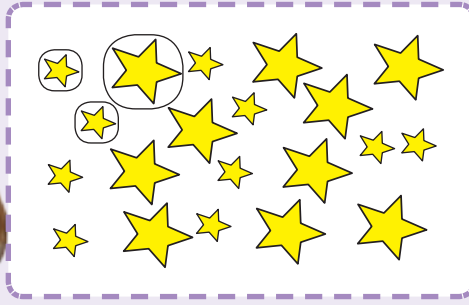
Ibizo				
Isilinganiso				
Inomboro ebaliweko				
Umehluko hlangana nesilinganiso sakho nokubala kwakho				



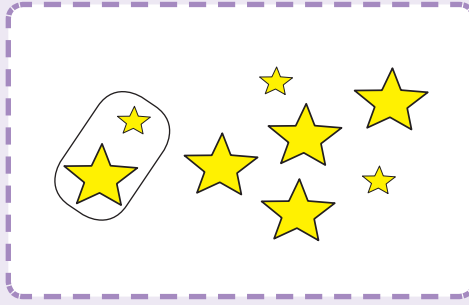
Iindlela zokubala. Sisiza ukuzitlola.



Ngibale ngaku-1.



1, 2, 3, _____



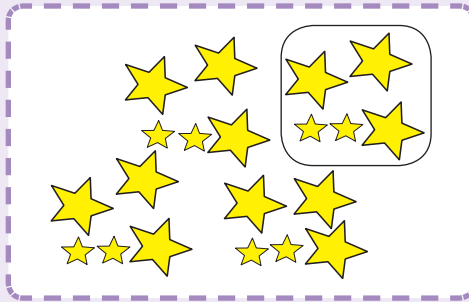
2 _____



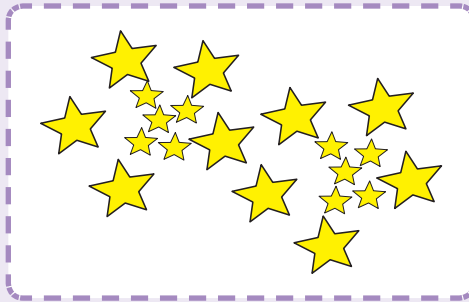
Ngibale ngaku-2.



Ngibale ngaku-5.



5 _____





Ngibale nge-10.



Tlola iinomboro zemitjho

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

Ekulu Encani Ngendlela le namkha ngendlela le



+ = _____



+ = _____

godu njengenomboro yomitjho.

_____ + _____ = _____ namkha _____ + _____ = _____

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



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

2

Ilanga:

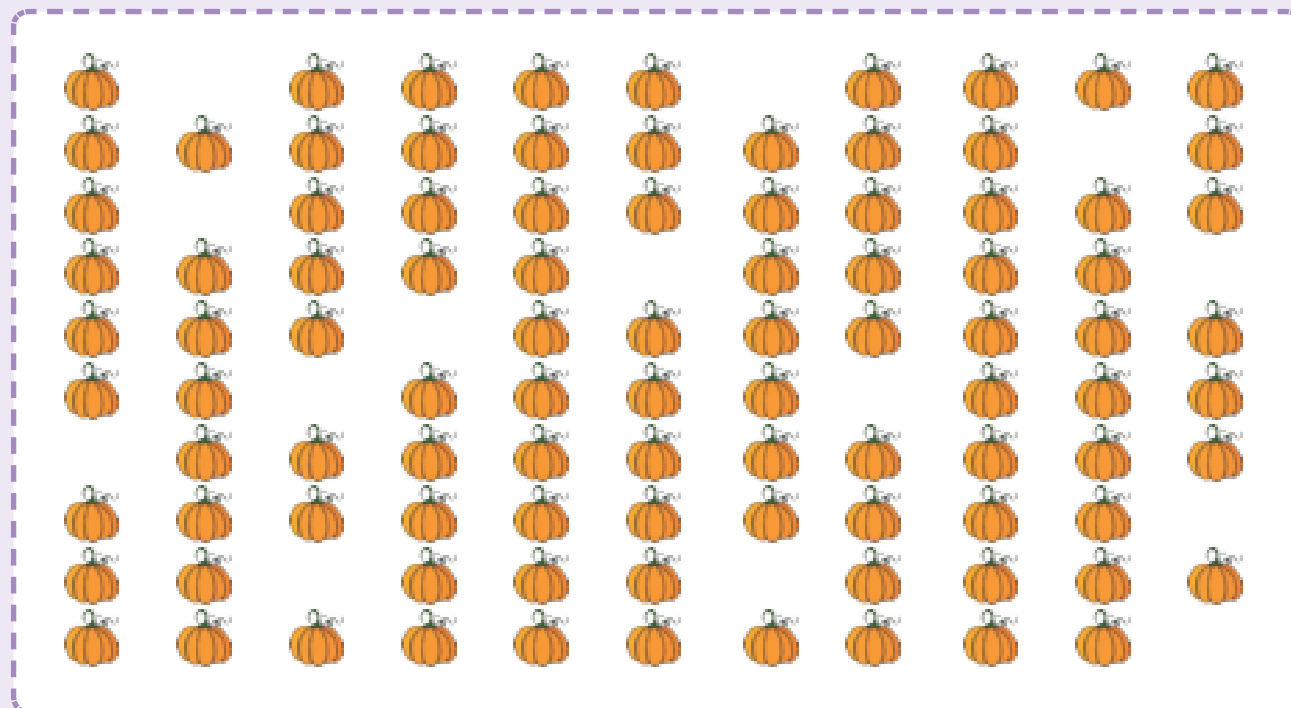
Ithemu I



Ukubala okuhlakaniphileko

Bala amathanga

Fumana indlela elula yokwabala.



Ipendulo: _____



Paka amathanga

Amathanga alitjhum i angena ngemgodleni munye.



Mingaki imigodla? _____

Kusele amathanga amangaki? _____

Kutlhogeka amathanga amangaki ukuzaliselela umgodla owodwa ngaphezulu? _____



Kusukela ku- + ukuya ku- ×
(ukhlanganisa ukuya ekubuyabuyeleleni)
Zaliselela iinomboro zomutjho.

Isibonelo:

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



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

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



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

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



Izandla nemino



Izandla ezingaki? $\underline{\hspace{2cm}}$

Imino emingaki? $\underline{\hspace{2cm}}$

Tlola ipendulo yakho ngeendlela ezi-2.

$\underline{\hspace{2cm}}$ ngeenqhema ze-10 = $\underline{\hspace{2cm}}$

begodu $\underline{\hspace{2cm}} \times 10 = \underline{\hspace{2cm}}$



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

3a

Ilanga:

Ithemu I



Inomboro phezu kwebhordo lamakhulu

Inomboro ezikhulumako

Bala bewutjho zoke iinomboro kusukela ku-1 – 100. Khomba nawulokhu ukhamba.

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



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



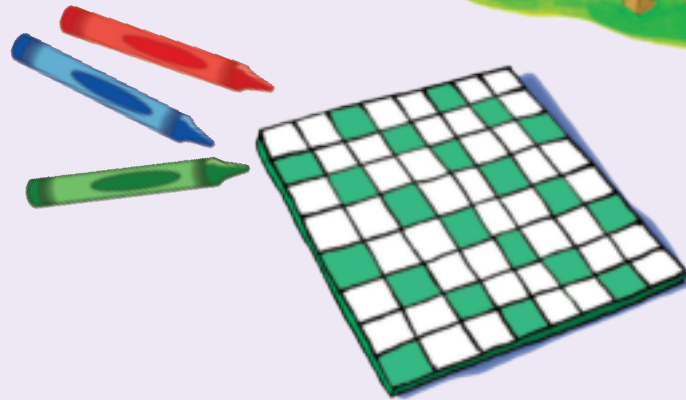
Tlola iinomboro ngamagama

90	amatjhumu athobako	41	
77		56	
14		65	



Ukubala nokukhalara

Lungela ukubala umbala!



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 begodu
uvale ama-10.

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

Tlola ama-10
ukuya e-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 ngokuvala abo-5
kusukela ku-0 ukuya
e-100.

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

Tlola ngaku-5
ukuya ema-80.

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 bewuvale aba-2.

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

Tlola ku-2
ukuya ema-100.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

3b

Ilanga:

Iinomboro phezu kwebhordo lamakhulu (ziragela phambili)



Qala amaphetheni

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



Thikha (✓) woke ama-10.

Tshwaya koke (X)
okungaku-5 ngokubeka
isiphambano.Ndulungela (O) koke
okungaku-2.

Tlola iinomboro ezimaphetheni wangaku-2 nezingaku-5.

Ithemu I



Amaphetheni wokubala

Zalisa iinomboro ezitlhayelako.

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



11 12 13 14 15 16 17 18 19 20

Ilanga:

4

Ubukhulu bedijidi

Ithemu I



Tjengisani iinomboro zenu

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

19

43

69

54

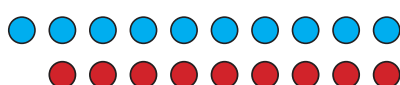
35

10

9



19

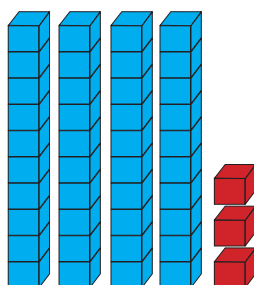


10

9

$$10 + 9 = 19$$

43



10

10

10

10

3

$$40 + 3 = 43$$

Kwanje zenzele wena ngokwakho ngeenomboro lezi usebenzise uSika-I.

54

35

69



Tlolani iinomboro lezi
Sesinenzele yokuthoma.

Singatjho godu
kobana abo-l
abali-9

19	$10 + 9$	itjhumli li-1 + 9 kanye	itjhumli nethoba
43			
69			
54			
35			
21			
73			
44			
32			
89			
17			
95			
56			
68			
67			



Tlolani iinomboro ezihlanu ngokulandelana kusukela kencani khulu
ukuya kekulu khulu

_____;

Teacher:
Sign:
Date:

Ukuhlenganisa nokukhupha



Isitolo sakaLebo

Ekuseni uLebo uneempakana ezima-19 zama-apula.

Ngesikhathi sesidlo semini sele asele neempakana ezili-13.

a. Ingabe uLebo uthengise iimpakana ezingaki? _____

b. Tlola ipendulo yakho njengenomboro yomutjho.

_____ - _____ = _____



Tlola enye inomboro yomutjho ukutjengisa ipendulo efanako.

$15 - 9 = 6$ _____



Nombora

Tlola iimpindulo.

$$1 + 2 = 3$$

Sebenzisa...

+ - =

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



Nombora imindeni

5

9

14

Nanzi iimbonelo zeenomboro yemindeni.

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



Uyayibona yoke imindenani yabo-14?

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



Ngizokwenza okufanako nge-12.

12

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



11 12 13 14 15 16 17 18 19 20

6

Ilanga:

Ukubuyelelwa kabili nokuhafula

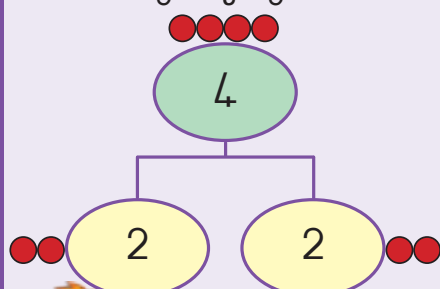
Ithemu I

Niyakhumbula?

Ukubuyelela ku-2 kwenza ku-4
ku-4 kukubuyelelwa kabili kwaku-2

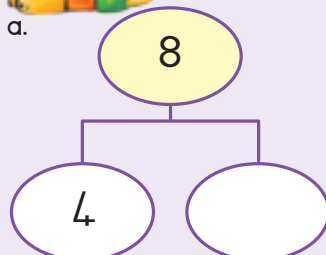
Ukubuyelela ku-20 kwenza ku-40
ama-40 akubuyelelwa kabili kwama-20

Lokhu singakutjengisa emdwebeni ...

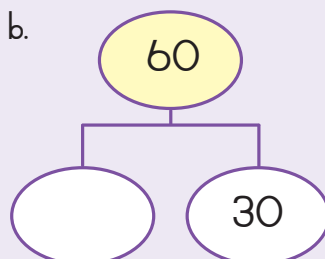


Fumanani okubuyelelwe kabili namkha abohafu

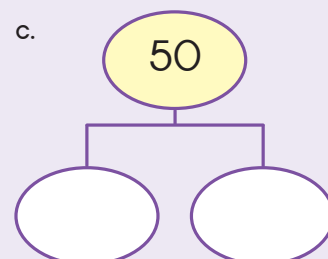
a.



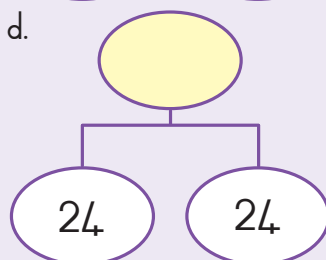
b.



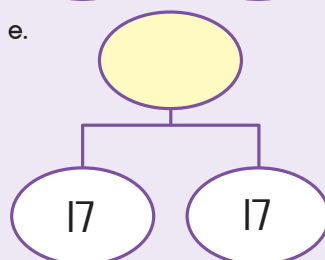
c.



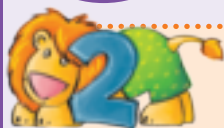
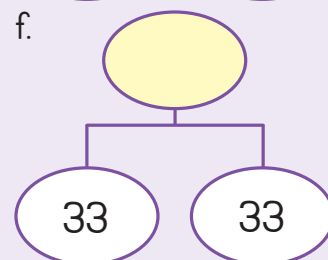
d.



e.



f.



Iselele

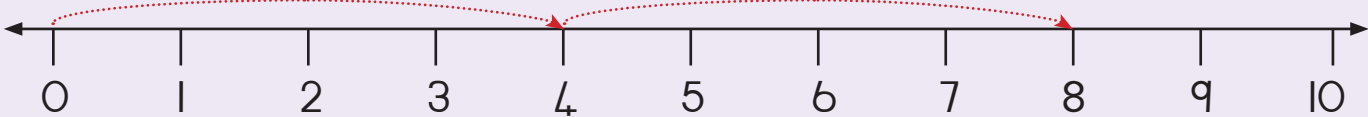
Fumanani ihafu yaku-3

Tjengisani njengenomboro namkha ibizo lenomboro.
Umqwalo ungakusiza.

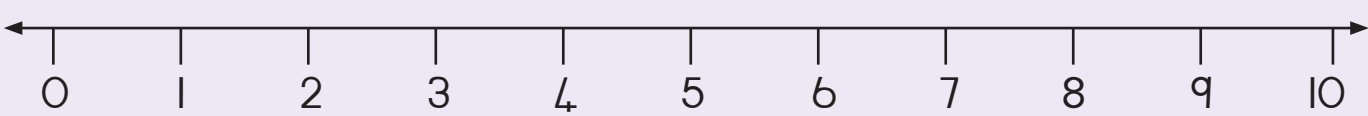


Buyelela inomboro usebenzise inambalayini.
Wenzelwe isibonelo.

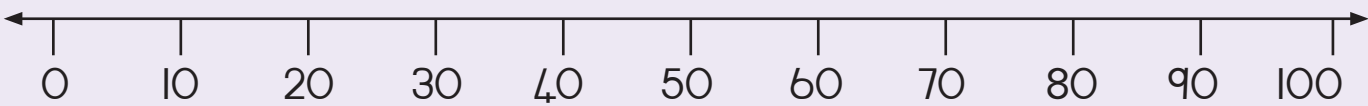
a. Buyelela abo-4 + =



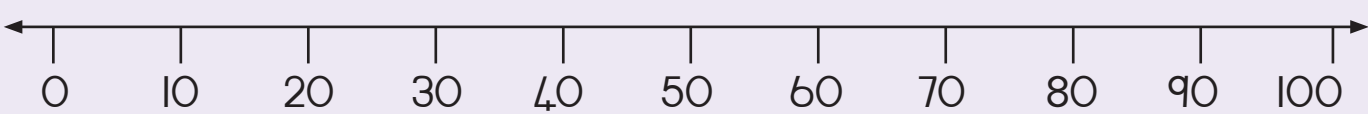
b. Buyelela abo-5 + =



c. Buyelela abo-20 + =



d. Buyelela abo-40 + =



Qedelela okulandelako

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



Qedelela okulandelako

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



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Date: _____

11 12 13 14 15 16 17 18 19 20

Amacezu

Ithemu I

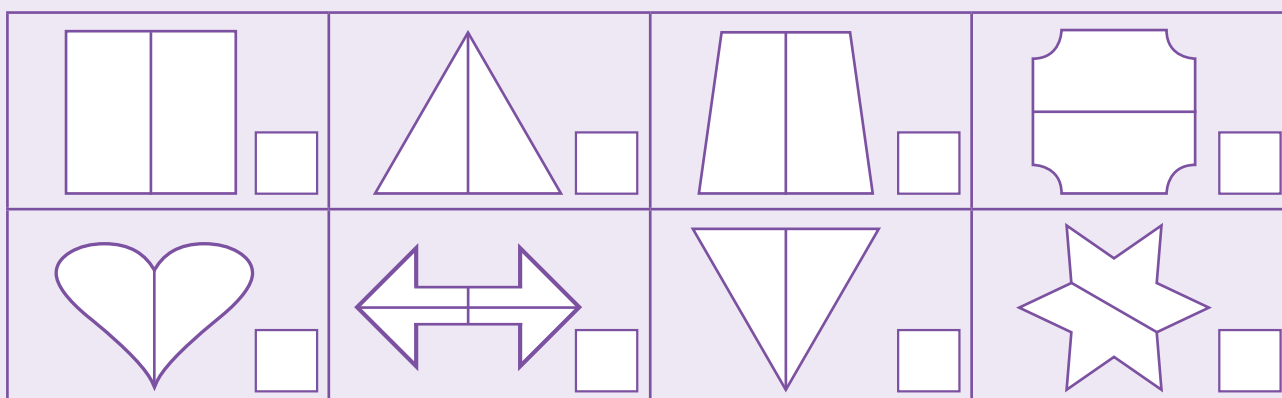
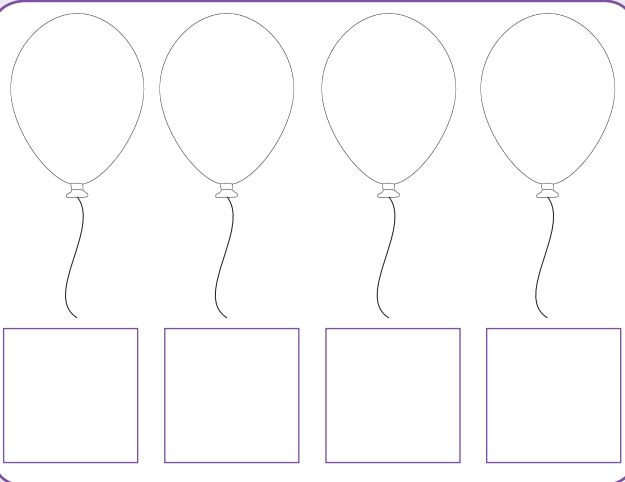
Faka umbala ikotara yamabhaloni ngokubovu bese kuthi asalako abe ngokuhlaza sasibhakabhaka.

Faka umbala obuvo encenyeni eyihafu yebhoksi.



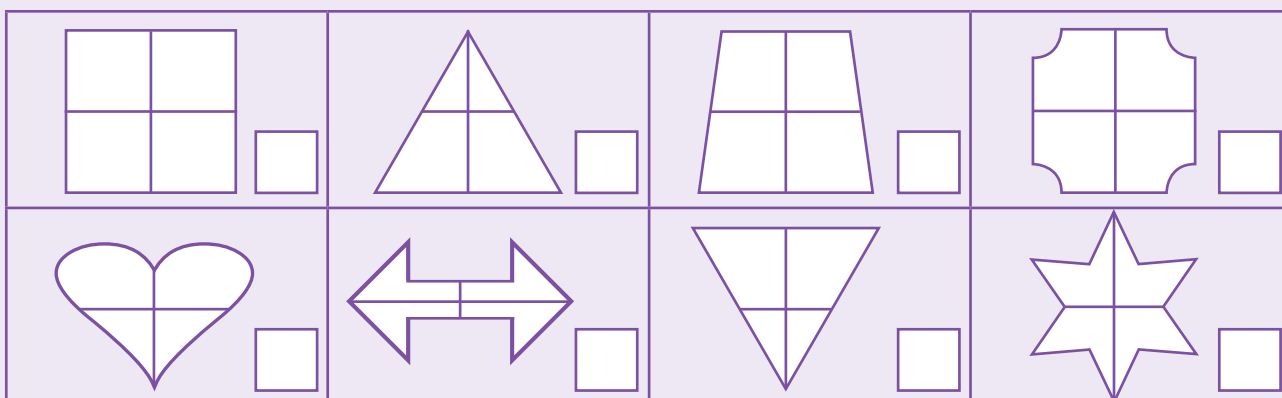
Qala amajamo. Tshwaya amajamo atjengisa abohafu.

Faka umbala engcenyeni enye nenye eyehlukaniswe yaba yihafu.



Qala amajamo. Tshwaya amajamo atjengisa amakota.

Faka umbala ikota enye nenye yamajamo ahlukane abe makota.





Faka umbala ihafu yamajamo. Iyini ihafu yenani lamajamo?



Faka umbala ikota yamajamo. Iyini ikota yenani lamajamo?



Tlola itshwayo lecezu.

ihafu eyodwa

ikota eyodwa

Gwala amanye amajamo ukwenza enye nenye ihafu iphelele.



Gwala amanye amajamo ukwenza enye nenye ikota iphelele.





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Date: _____

Ukuhlela imali



Esitokfeleni

UMma Lubisi ubala begodu ahlukani sele isiqhema imali.



Linganisa inani lemali. R _____

Bala imali. R _____

Madanisa,
ulinganise begodu
ufunyane ithothali.



Ukubulunga imali

UGugu ubulungela ipara yamanyathelo ebiza-R89.

Bekube nje selanehafu yemali.

Ingabe usathoga malini ngaphezulu?

Tlola inomboro yomutjho ukutjengisa ipendulwakho.





Ebhanga

UMaria wehlukanise imali yamaphepha
ngamabuthalelo wama-5.
"Usele nenye imali yamaphephe."
Tlola amathothali wesithombe ngasinye.



Inani	
	R _____
	R _____
	R _____



Iselele

Ivakatjho lokuya e-zoo

Abanye abantu abadala nabentwana baya e-zoo.

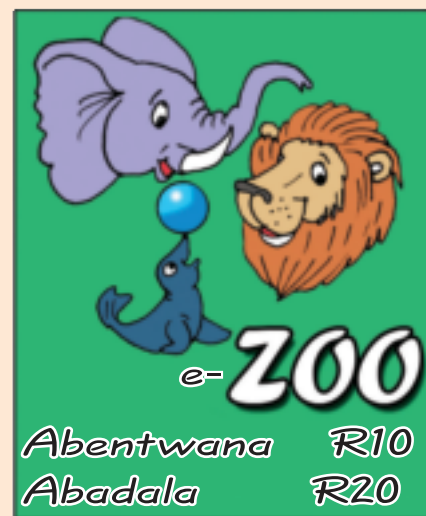
Bathenga amathikithi nge-R90.

Ingabe abentwana bangaki? _____

Ingabe abantu abadala bona bangaki? _____

Ingabe ikhona enye ipendulo?

Abadala _____ Abentwana _____



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Date: _____

q

Ilanga:

Amaphetheni

Ithemu I



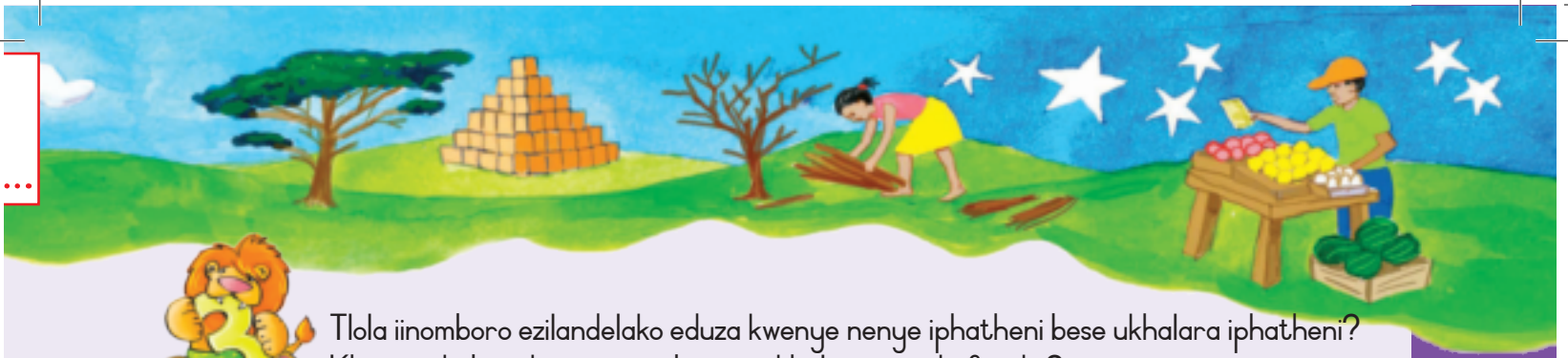
Sebenzisa ibhodi yeenomboro ezima-200 ukuphendula imibuzo.

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



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

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



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

Ukubala ngakuhlanu.

			5				10

Ukubala ngakubili.

2		4					

Ukubala ngakuthathu.

	3		6				

Ukubala ngalitjhumu.

							10



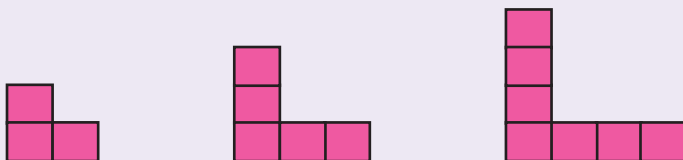
Yelula amaphetheni.



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



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





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Date:

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10

Ilanga:

Ithemu I

Iimbholo, amabhoksi kanye namasilinda



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



Faka umbala ngependulweni enembako.



Ibhoksi

liyatjhelela

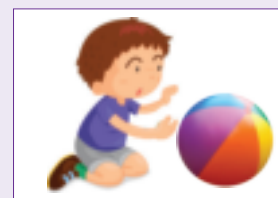
liyagedeka



Isilinda

liyatjhelela

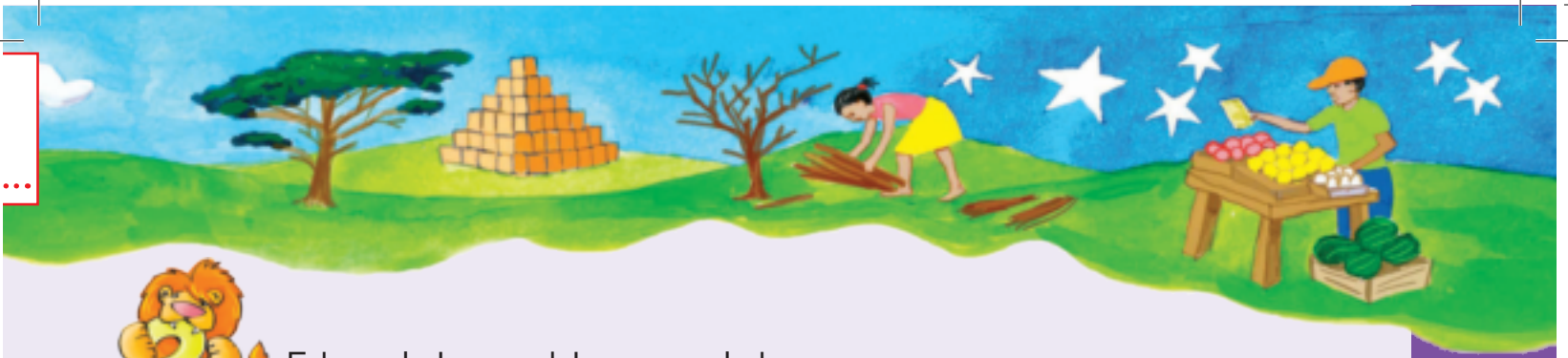
liyagedeka



Ibholo

liyatjhelela

liyagedeka



Faka umbala endulweni enembako.

			
umqoqo oyindulungu	umqoqo oyindulungu	umqoqo oyindulungu	umqoqo oyindulungu
umqoqo onqophileko	umqoqo onqophileko	umqoqo onqophileko	umqoqo onqophileko
			
umqoqo oyindulungu	umqoqo oyindulungu	umqoqo oyindulungu	umqoqo oyindulungu
umqoqo onqophileko	umqoqo onqophileko	umqoqo onqophileko	umqoqo onqophileko



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

	ngemuva	ngaphambili		ngemuva	ngaphambili
	ngeqadi	ingaphezulu		ngeqadi	ingaphezulu
	ngemuva	ngaphambili		ngemuva	ngaphambili
	ngeqadi	ingaphezulu		ngeqadi	ingaphezulu





Teacher:

Sign:

Date:



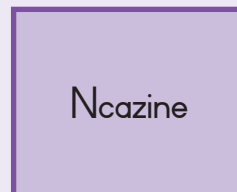
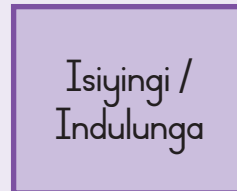
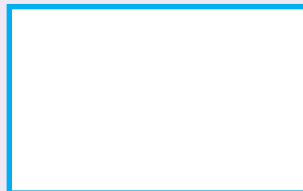
Ilanga:

Gwala, nikela bewumadanise
amabumbeko amajamo we-2D

Ithemu I

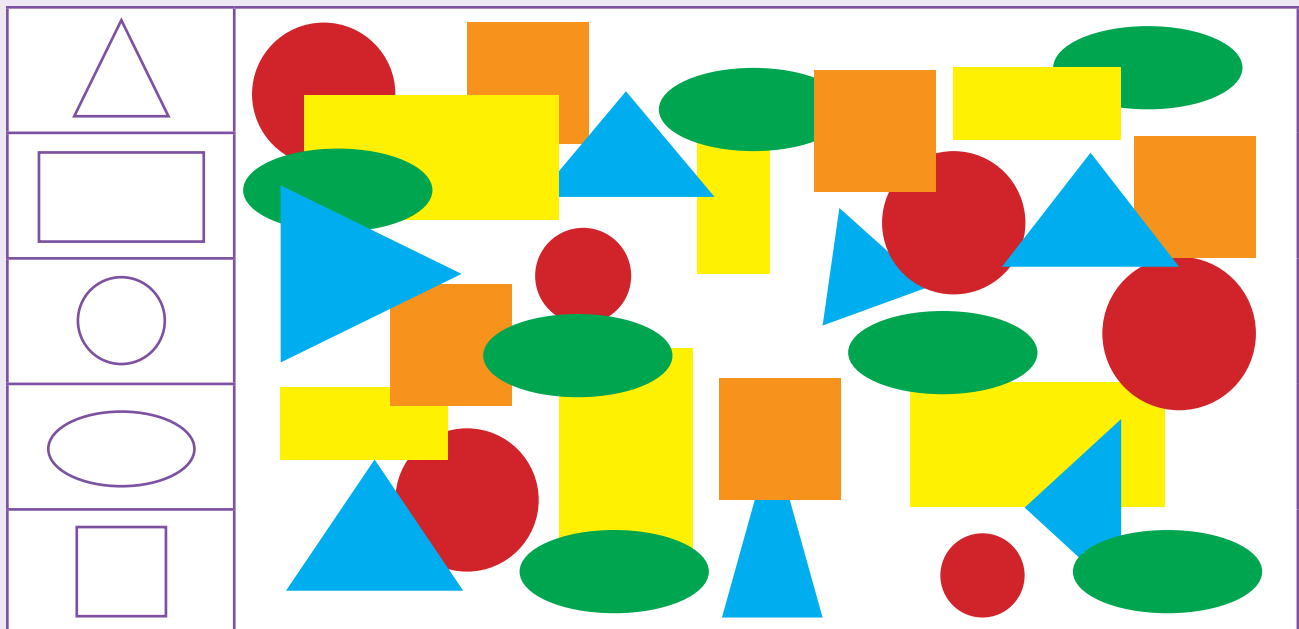


Dweba amabumbeko



Bala amabumbeko

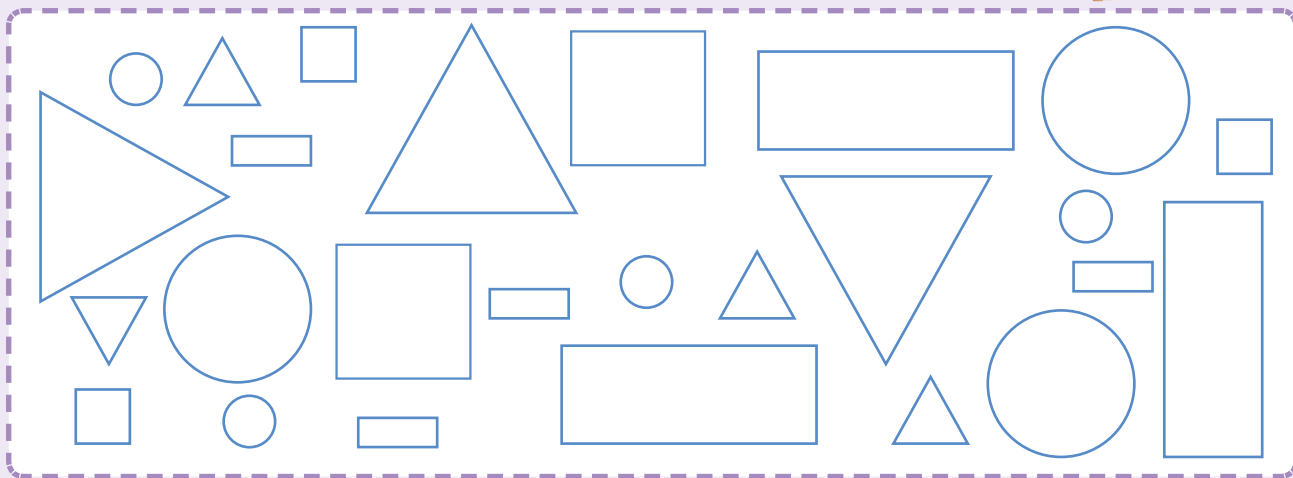
Bala kobana mangaki amabumbeko afana nalawa ongawafumana esithombeni.





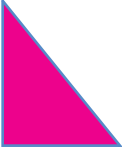
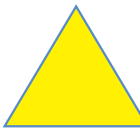
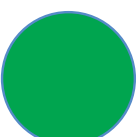
Faka umbala:

iiyingi ezikulu ngombala obomvu, iiyingi ezincane ngombala ohlaza satjani;
aboncantathu abakhulu ngombala ohlaza sasibhakabhaka, ezincane ngombala o-orontji;
iinkwere ezikulu ngokusarulani, ezincane ngokuphephuli;
amarekthengela amakhulu ngombala ozotho bese kuthi amarekthengela amancane abe
ngombala opinki.



Mahlangothi amangaki?

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

 kunqophile 3 kuyindulunga	 kunqophile kuyindulunga	 kunqophile kuyindulunga	 kunqophile kuyindulunga
 	 kunqophile kuyindulunga	 kunqophile kuyindulunga	 kunqophile kuyindulunga



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Date:

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Siyakhamba isikhathi



Fundani isikhathi

Atjengisa sphi isikhathi amawatji la?



_____ Ehloko

_____ Ehloko

_____ Ehloko

_____ Ehloko



Yeqani magegana newatji

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

Nibala imizuzu emingaki? _____

Mizuzu emingaki ese-irini li-I? _____



Tlalani isikhathi

Gwala imikhono ukutjengisa iinkhathi.

ikotara ngemva
kwe-iri-6sigamu ngemva
kwe-iri-8ikotara ngaphambili
we-iri-11isigamu ngemva
kelesi-5



UTumi uya esikolweni.



Usuka ekhaya.



Ufika esikolweni.

Ingabe uTumi uthatha isikhathi esingangani? _____



Ilanga lokubhaga

UMaria ubhaga uburotho.



Uburotho buya nge-ondweni.



Uburotho buyaphuma.



Uburotho buthatha imizuzu e _____ ukubhagwa.



Iselele

Esikhathini esibuyelelwe kabili

a. Tjhugululani ama-iri abe mizuzu.

Ama-iri	1	2	4	8
Imizuzu	60			

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

Ngingakghona ukubona amaphetheni.



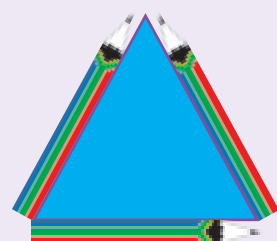
11 12 13 14 15 16 17 18 19 20

13

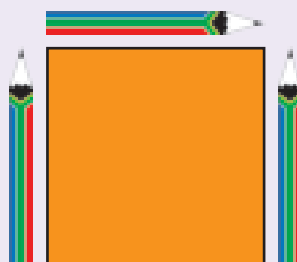
Ilanga:

Ukulinganisa ubude

Ithemu I



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



Kukoke,
amahlangothi
wesikwere alingana
nobude
beempensela e-4.



Ngiyazibuza kobana
irekthengela yide
begodu ibanzi
kangangani?

Zingaki iimpensela ezisebudeni berekthengela?



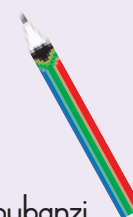
Zingaki iimpensela ezisebubanzini berekthengela?



ubude



ububanzi

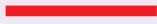


Uzisebenzise njani iimpensela ukubala?

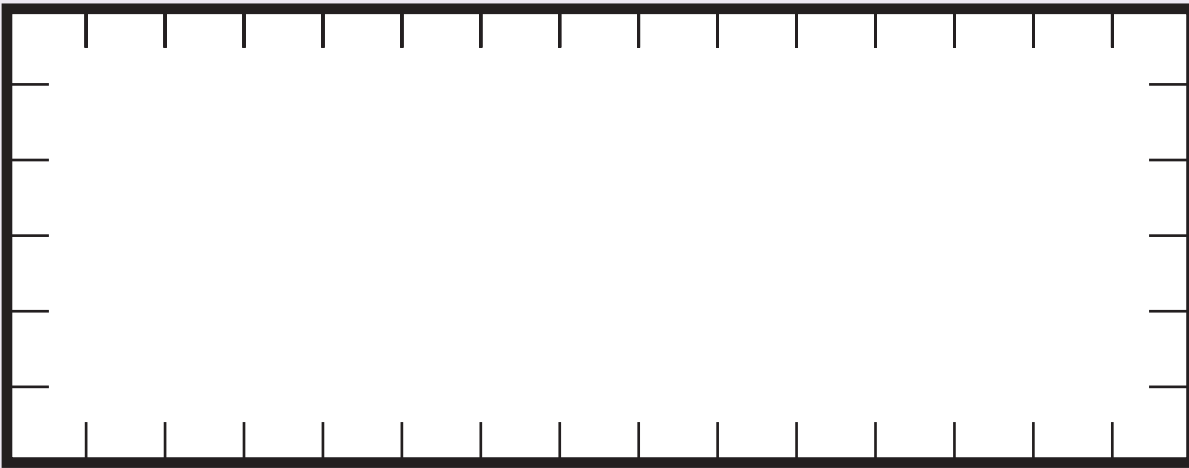


Ubude obufihlakeleko

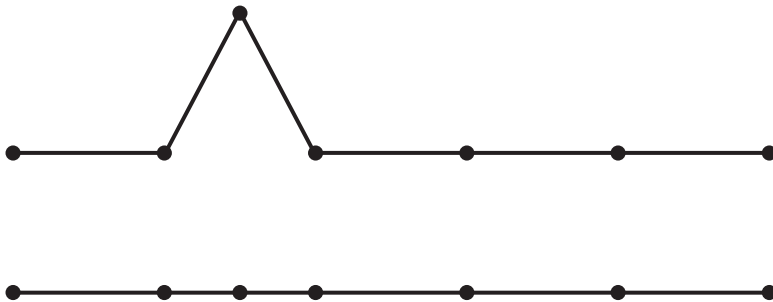
a. Ingabe utlhoga imida emingaki ebovu ukwembesa umuda onzima?



b. Ingabe utlhoga imida emingaki ebovu ukwembesa uncantathu woke?



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



Ipendulo _____

Kubayini? _____



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Umthamo

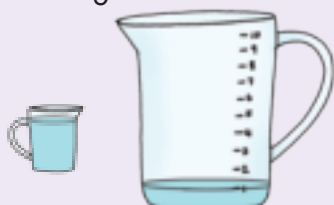
Sengifake amakhezo
amane ngekomitjini

Ziinkomiki ezingaki zamanzi ezizokuzalisa isimumathi?



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

a.



Ngaphakathi kwesimumathi:

1

Utlhoga amanye:

9

b.



Ngaphakathi kwesimumathi:

Utlhoga amanye:

c.



Ngaphakathi kwesimumathi:

Utlhoga amanye:

d.



Ngaphakathi kwesimumathi:

Utlhoga amanye:

e.



Ngaphakathi kwesimumathi:

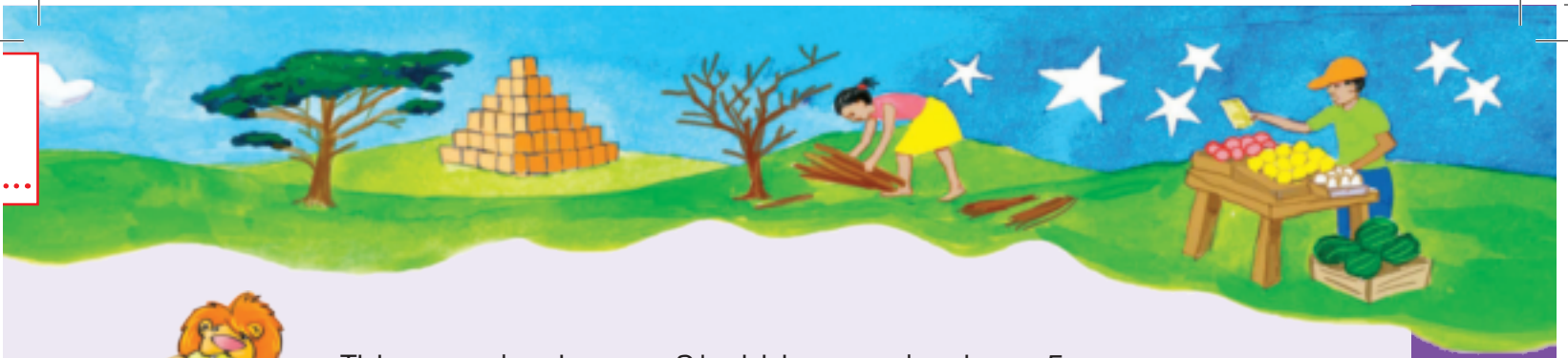
Utlhoga amanye:

f.

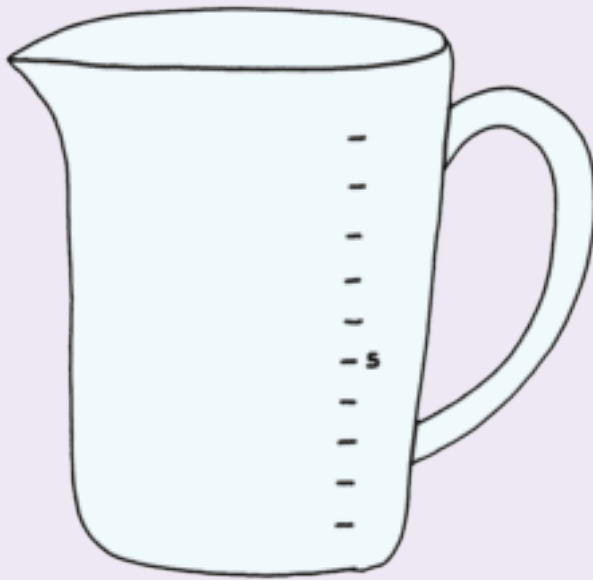


Ngaphakathi kwesimumathi:

Utlhoga amanye:



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



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

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



Tshwaya kobana ngisiphi isimumathi esingamumatha ilitha e-l yamanzi.















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Asimede isisindo sethu!

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

Simeda ubungako **ngamakhilogremu**.

Sisebenzisa isirhunyezweni: kg. Ngubani onobudisi obungaphezulu?



41 kg



38 kg



41 kg



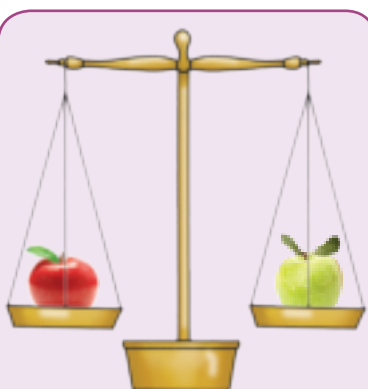
42 kg



39 kg

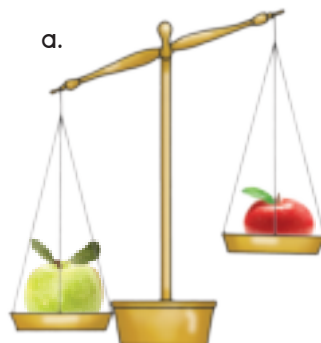


Sisebenzise isikala sokubhalansa ukumeda ubudisi

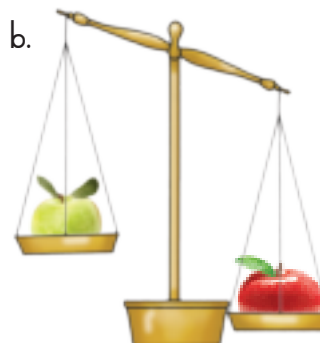


Esikaleni lesi, womabili ama-apula akala ngokulingana.

a.



b.



Phendula imibuzo. Tlola u-a nanyana u-b

Kusesikaleni siphi lapha i-apula elihlaza satjani libudisi khona khulu ukudlula i-apula elibovu? ☐

Kusesikaleni siphi lapha i-apula elihlaza satjani lilula khona kune-apula elibovu. ☐

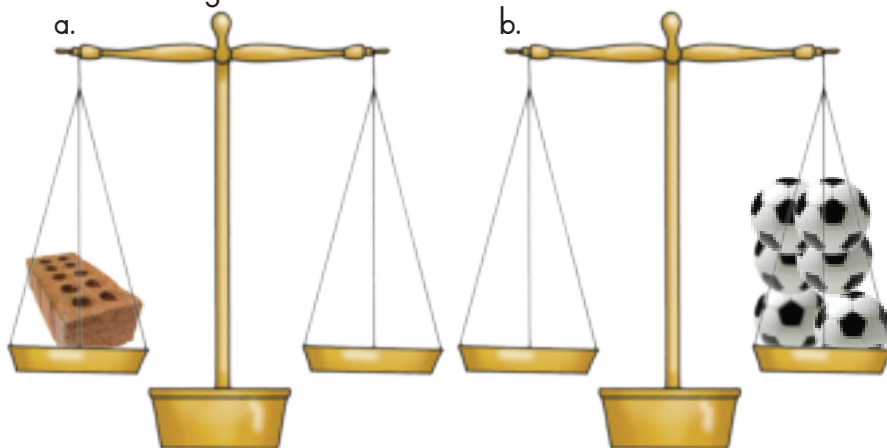


Bhalansisa iinkala.

Wenzelwe isibonelo.



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



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

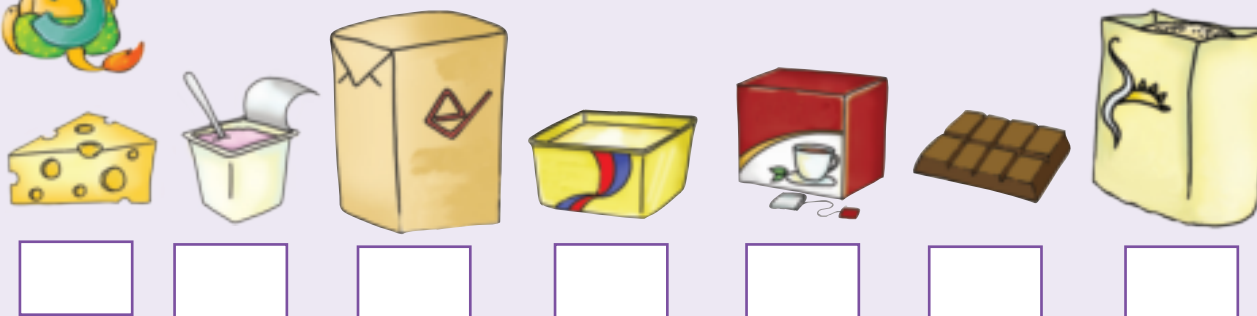
a. c. Amaphasela ama-2 _____

b. Amaphasela ama-3 _____

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

Kungani? _____

Tshwaya impendulo enembako. Ngijiphi into enesisindo esingaba li-1kg?



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Ukusebenza ngemininingwana

Amanyathelo ngetlasini



Funda indatjana.

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

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

Abafundi batjho amasayisi, ngamunye ngamunye.

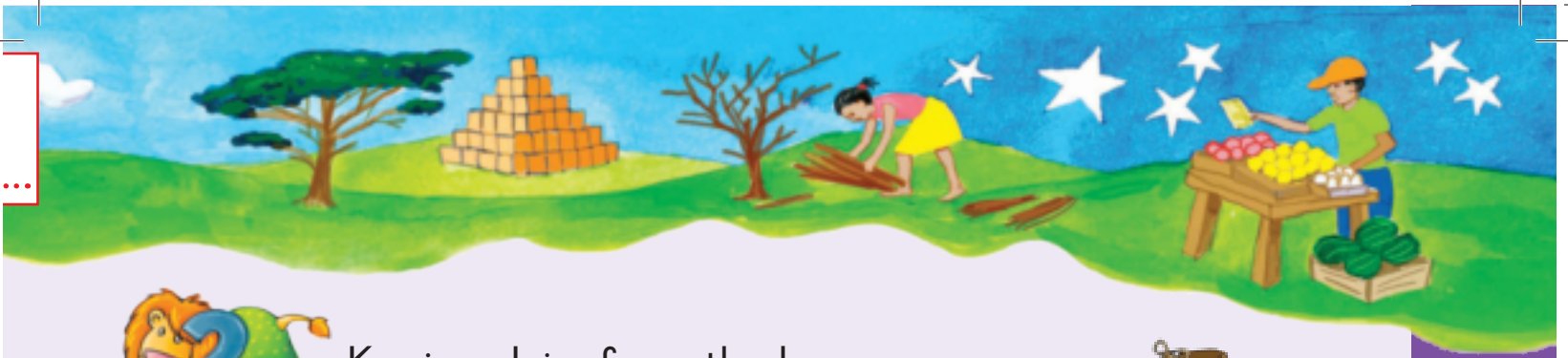
UKkz. Khoza utlola amasayisi lawo ebhodini.

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

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

Zalisa ithebula engenzasi.

Amasayizi wamanyathelo ngetlasini					
Isayisi 1	Isayisi 2	Isayisi 3	Isayisi 4	Isayisi 5	Isayisi 6



Kwanje gwala igrafu yeenthombe.



= umfundi-I

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



Kwanjesi phendula imibuzo le.

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



Kunjani ngawe?

Fumana kobana wena nabangani bakho nifaka isayisi bani!

- Sebenzani ngeenqhema zangaba-6 ukuya kezangababu-8.
- Buthelelani imininingwana yenu.
- Tlalani isibalo samasayisi wamanyathelo ethebuleni.
- Madanisani iimpendulo nezinye iinqhema.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Ithemul

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

Ngijiphi inomboro eza ngaphambi kwaka-84?

Ngijiphi inomboro eza ngemva kwaka-84?

Ngijiphi inomboro ehlangana kwaka-88 kanye no-90?



Zalisa ngeenomboro ezitlhayelako.

[illegible]

Sebenzisa ibhodi yeenomboro ukuphendula imibuzo.

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



Qedelela itheyibula. Thoma ngenomboro onikelwe yona.

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



Ndulungela inomboro ekulu khulu.

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

Ndulungela inomboro encani khulu.

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



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

32 < 64 23 > 18

75 98 89 57



Funya iiomboro ezi-5 ephephandabeni ezihlangana kwaka-50 kanye no-99 bese uzinamathisela kusukela kencani ukuyo kekulu.



Teacher:

Sign:

Date:

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Ubukhulu beenomboro ukuya kuma-99

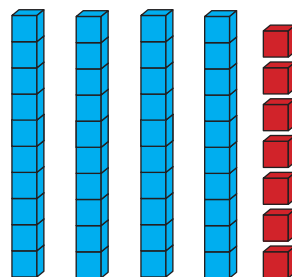
Ukutjengisa inomboro ngokusebenzisa izinto

Godu singakghona ukutjengisa inomboro ngamabhlogo wethu weenomboro ezikulu. Ibhlogo elincani lijamele ku-1. Umtletle wamabhlogo amancani ali-10 ajamele i-10. "Litjhumu"

Amatjhumu	Amayunidi

Ungatjengisa inomboro ngokusebenzisa amatjhumu namkha amayunidi.

Lapha yindlela yokutjengiswa kwama-47.



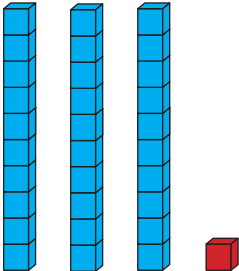
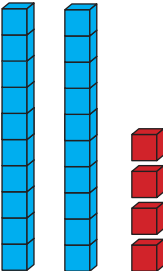
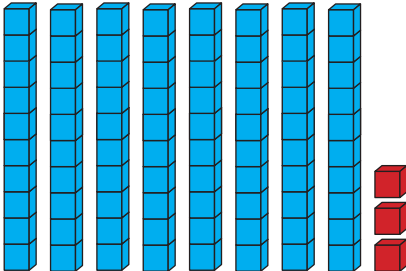
Amatjhumu	Amayunidi
4	7

Amatjhumu amane nekhomba-47



Ukutlola inomboro ngamadijithi nangamagama

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

							
Amatjhumu		Amayunidi		Amatjhumu		Amayunidi	
3		1					
31							
Amatjhumu amathathu nalinye							



2 0 6

2 6

b. Godu singasebenzisa iinomboro zethu zamakarada ukutjengisa lokhu.

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



Iyini inomboro?

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



Teacher: _____

Sign: _____

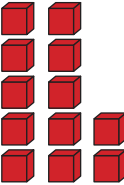
Date: _____



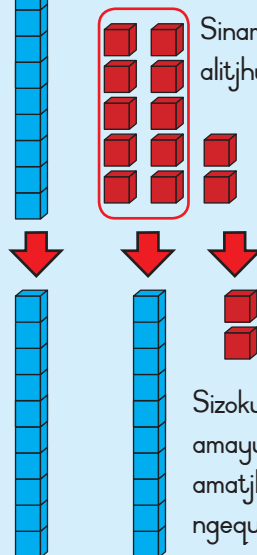
Funda

Ukubeka amatjhumu ndawonye
lokha nasihlanganisa ukuya ema-99

Nasi indlela yinye yokutjengisa
ama-22.

Amatjhumu	Amayunidi
	
itjhumu li-1	amayunidi ali-12
1 0	1 0 2

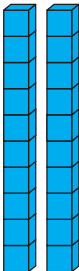
Sinokodwa kokulityhumi



Sinamayunidi
alitjhumu nambili

Sizokubeka
amayunidi
amatjhumi
ngequbi

Kwanjisi sinenye indlela yokutjengisa ama-22.

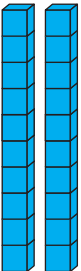
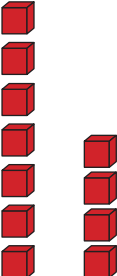
Amatjhini	Amayunidi
	
amatjhini ama-2	amayunidi ma-2

2

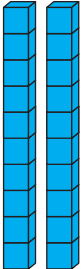
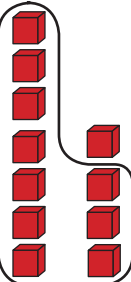
2

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

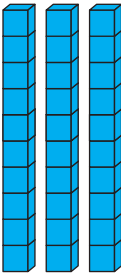
Ama-27matjhumini ama-2 begodu nabowani abali-7. Bese sihlanganisa abowani aba-4 ngaphezulu.

Amatjumi	Amayunidi
	
ama-2	ama-7 +ama-4
20	74

Sinamatjhum i ama-2 begodu nabowani
abali-II.

Amatjhumu	Mayanuni
	
Singtjengisa abowani -10 njenge tjhumu linye.	

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

Amatjhumini	Amayunidi
	

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

3	1
---	---



Tlola iinomboro zomatjho ezitjengiswe sithombe

Amatjhumi	Amayunidi	Amatjhumi	Amayunidi	Amatjhumi	Amayunidi
$10 + 5 + 6$		$\underline{\quad} + \underline{\quad} + \underline{\quad}$		$\underline{\quad} + \underline{\quad} = \underline{\quad}$	

Qedelela iinthombe. Tlola imityho yeenomboro etjengiswe esithombeni.

Amatjhumi	Amayunidi	Amatjhumi	Amayunidi	Amatjhumi	Amayunidi

Amatjhumi	Amayunidi	Amatjhumi	Amayunidi	Amatjhumi	Amayunidi



Teacher: _____

Sign: _____

Date: _____

11 12 13 14 15 16 17 18 19 20

Hlanganisa kunambalayini

Hlala edeskeni lakho!

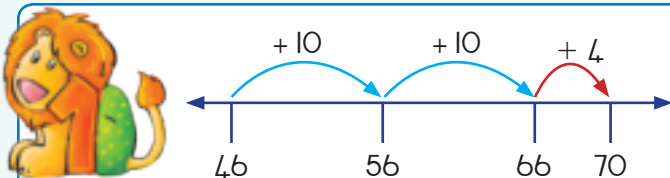
Esikolweni sethu umfundi ngamunye unedeske lakhe.
Kunabafundi abama-46 kuGreyidi 3A begodu bama-24 kuGreyidi 3B.

Ingabe sitlhoga amadeske amangaki ematlasini womabili?



Sebenza nomlingani

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



Lokhu ngengikwenzako: Ngithoma ngokuhlanganisa i-10.

Lokhu kungiletha ema-56. Bese ngeqa i-10 elinye ngiye ema-66.

Begodu kwamaswaphela, ngeqa ku-4 ngaphezulu ukufika ema-70.

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

$$= 56 + 10 + 4$$

$$= 66 + 4$$

$$= 70$$

Kufanele
ngihlanganise ama-24
ukuya ema-46.



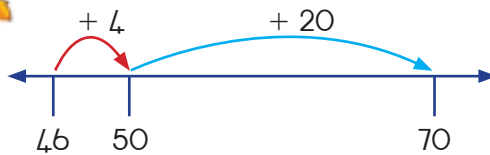
a. $32 + 25 =$





b. $52 + 26 =$

c. $46 + 25 =$



Kufanele ngihlanganise ama-24 ukuya ema-46.



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

$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$

a. $36 + 41 =$

Teacher: _____

Sign: _____

Date: _____

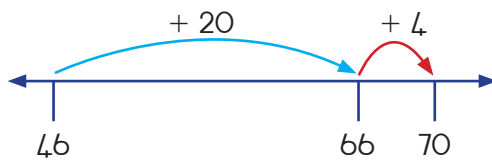
20b

Ilanga:

Ithemu I

Hlanganisa kunambalayini (kuragela phambili)

b. $57 + 19$



Kufanele
ngihlanganise ama-20
ukuya ema-46.



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

$$= 46 + 20 + 4$$

$$= 66 + 4$$

$$= 70$$

a. $63 + 24 =$



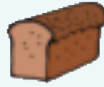
b. $65 + 29 =$





Ziinlofu ezingaki?

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



begodu neenlofu

a. Ziinlofu ezingaki sezizoke?

b. Fumana ithothali kunambalayini.

Tjengisa iinomboro nesilinganiso sokweqa.



Hlanganisa okulandelako, ngaphandle kokusebenzisa inambalayini. Sebenzisa yakho indlela.

$$38 + 24 =$$

$$58 + 17 =$$

$$75 + 16 =$$

$$83 + 29 =$$



Teacher: _____
Sign: _____
Date: _____

Ukukhupha ngenambalayini

Umfundi munye! Irula yinye!

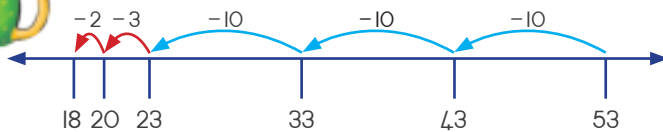
Itlasi litlhoga amarula ama-53. Kunama-35 kwaphela.

Sisatlhoga mangaki? $53 - 35 =$

Sebenza nomlingani

Funda kobana abafundi abanye abathathu abafanako bayisebenzisa njani inambalayini lapha.

Qedelea iimbalo usebenzise isibonelo.



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



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

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

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

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

$$= 23 - 3 - 2$$

$$= 20 - 2$$

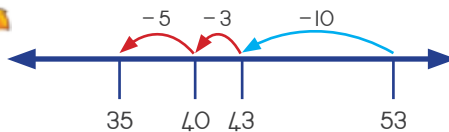
$$= 18$$



a. $68 - 24$

b. $74 - 38$

c. $92 - 87$



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



Ngizakuthoma ema-53 bese ngibala ukuya emuva ema-35 ukufumana umehluko.
Nakhibe ngibala ngibuyele emva nge-10, ngiya ema-43. Ngingabala ngiye emva
ngaku-3 ngaphezulu ukuya ema-40. Bese ngibala ngiye phasi ngaku-5 ngaphezulu
ukuya ema-35. I-10 naku-3 nakuhlanu kuli-18. Ngalokho-ke sitlhoga amarula
angaphezulu nge-18.

a. $38 - 14$



Teacher: _____
Sign: _____
Date: _____

21b

Ilanga:

Ithemu I

Ukukhupha ngenambalayini (kuragela phambili)

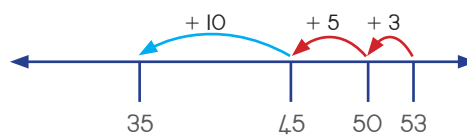
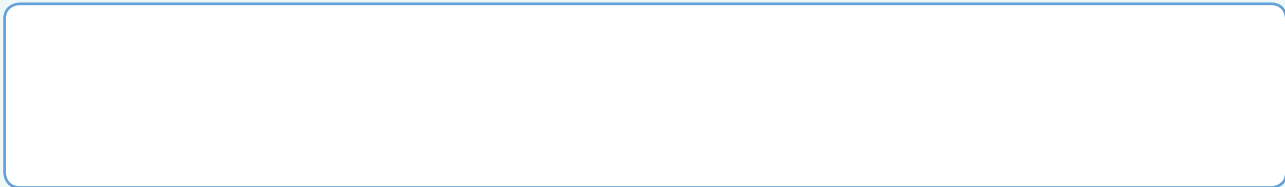
b. $65 - 43 =$



c. $72 - 39 =$



d. $85 - 48 =$



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



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

a. $84 - 32 =$





b. $96 - 53 =$

c. $78 - 19 =$

d. $63 - 47 =$



Khamba ngeteksi

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

Kusafanele ikhambe kangangani ukuya phambili?

Sebenzisa inambalayini ukusombulula umraro lo.



km



Teacher: _____

Sign: _____

Date: _____

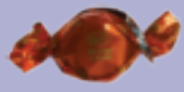


Iqhinga lokuthoma!

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



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

				
Inomboro				



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

😊			
😊			
😊			
😊			
😊			
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🥤	🍦	🍰	🍬



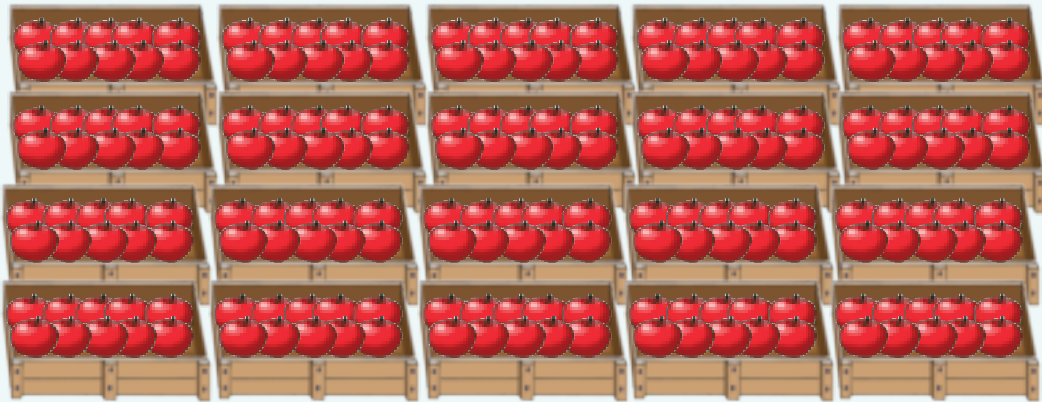
Teacher: _____
 Sign: _____
 Date: _____

11 12 13 14 15 16 17 18 19 20

Bala bewufike ku-200



Ubona ama-apula amangaki?



Zaliselela ngeenomboro

Ibhoksi elilodwa lina ma-apula

Ireyi elilodwa lina ma-apula

Ireyi elilodwa linamabhoksi

Amareyi amane anama-apula



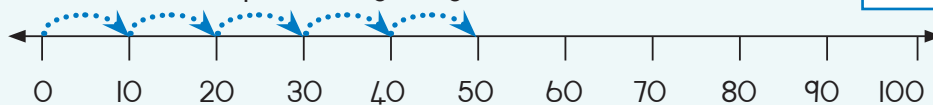
Singapaka ama-apula amangaki ngemabhoksini la?

a.		
b.		
c.		

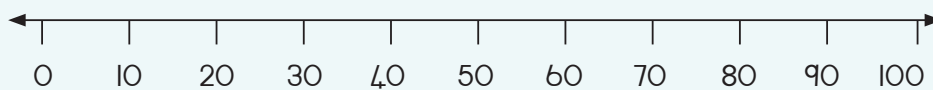


Tjengisa lokhu ngenambalayini.

a. Kuzokuba nama-apula amangaki ngemabhoksini amahlanu?



b. Kuzokuba nama-apula amangaki ngemabhoksini alikhomba?





u-10 nakangezelelwe
ngaku-3 kwenza -

3 0

$$3 \times 10 = 30$$

nanyana $10 \times 3 = 30$

u-10 nakangezelelwe
ngaku-5 kwenza

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

nanyana

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

u-10 nakangezelelwe
ngaku-2 kwenza

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

nanyana

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



Iimpara ezi-5 zeenyawo.
Kuneenzwani ezingaki sele zizoke?



$$10 + 10 + 10 + 10 + 10 = 50$$

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

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

Yenza lokhu ngendlela efanako.

Iimpara ezi-4 zeenyawo. Kuneenzwani ezingaki sele zizoke?

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

nanyana

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

Iimpara ezi-9 zeenyawo. Kuneenzwani ezingaki sele zizoke?

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

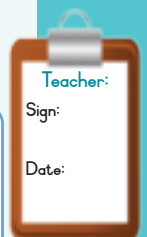
nanyana

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



Asibaleni nge-10.

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

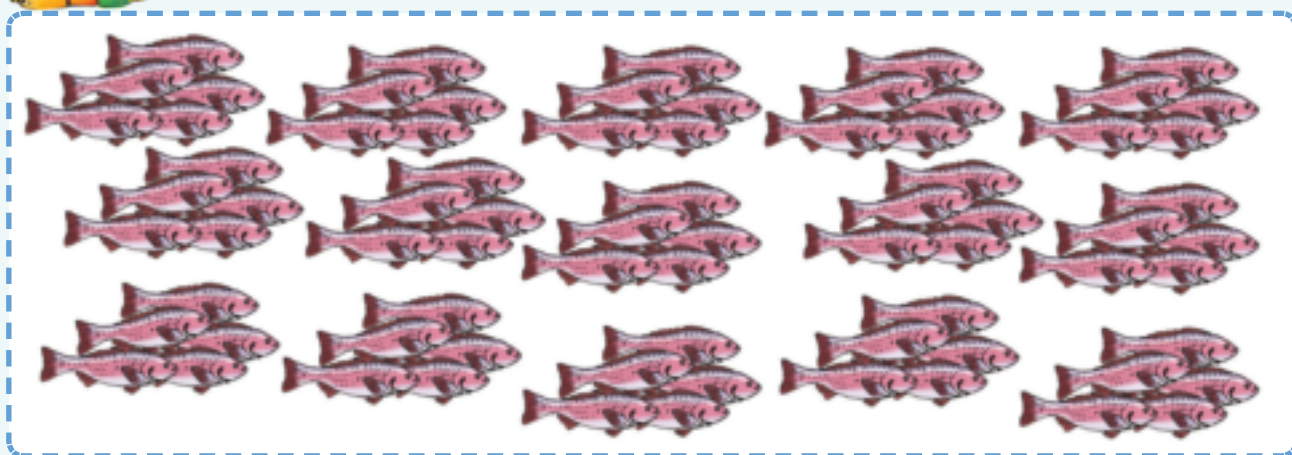


11 12 13 14 15 16 17 18 19 20



Zijayeze ngaku-5

Ingabe iinhlambi zingaki? Linganisa ukuthi kungaki.



Kwanjesi bala iinhlambi.

Fumana ithothali.

Bala ngaku-5

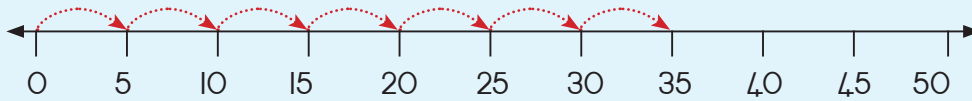


Fumana ithothali yamaqanda weenhlambi. Tlola umutjho weenomboro usebenzise u + kunye no $\times$. [Sesikwenzele isibonelo.](#)

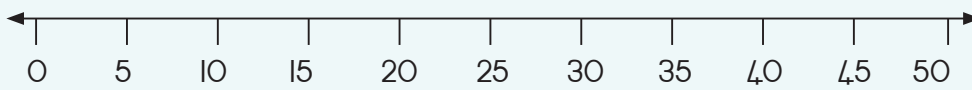
Iinhlambi namaqanda	Ingabe mangaki amaqanda?	
Iinhlambi ezi-5, zibekela amaqanda ama-2	$2 + 2 + 2 + 2 + 2 = 10$	$5 \times 2 = 10$
Iinhlambi ezi-5, zibekela amaqanda ali-10		
Iinhlambi ezi-5, zibekela amaqanda ama-4		
Iinhlambi ezi-5, zibekela amaqanda ama-3		
Iinhlambi ezi-5, zibekela amaqanda asi-6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



Qedelela imitjho yeenomboro namanambalayini.

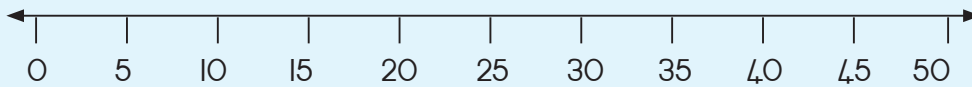


$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35} \text{ nanyana } \boxed{7} \times \boxed{5} = \boxed{35}$$



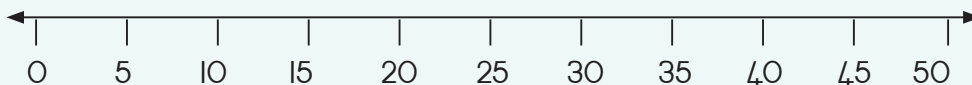
$$5 + 5 + 5 + 5 = \boxed{} \text{ nanyana } \boxed{} \times \boxed{} = \boxed{}$$

b.



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

c.



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



Bamba ihlambi

USipho ubamba iihlambi ezihlangana kwama-40 nama-50. Uyazibala ngaku-2 begodu usele nazi-1.

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



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

25a

Ilanga:

Ithemu I



Bala amakowusu

Bala ngaku-2



a. Mangaki amakowusu alapho? _____

b. Ziimpara ezingaki zamakowusu? _____

c. Kusele amakowusu amangaki? _____



Ukubala iimpaza zamakowusu

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

Amakowusu	Isibalo seempaza	Inani lamakowusu	Amswenya aseleko



Teacher:

Sign:

Date:

25b

Ilanga:

Ithemu I



Bala ngaku-2 (kuragela phambili)

Ukwakha iimpara.

Tlola phasi iinomboro ezilinganako nenomboro ezingalinganiko kusukela e-1 – 60.

a. Tlola iinomboro ezilinganako kusukela kwe- 1 – 60.

2, 4, 6,

b. Tlola iinomboro ezingalinganiko kusukela kwe- 1 – 60.

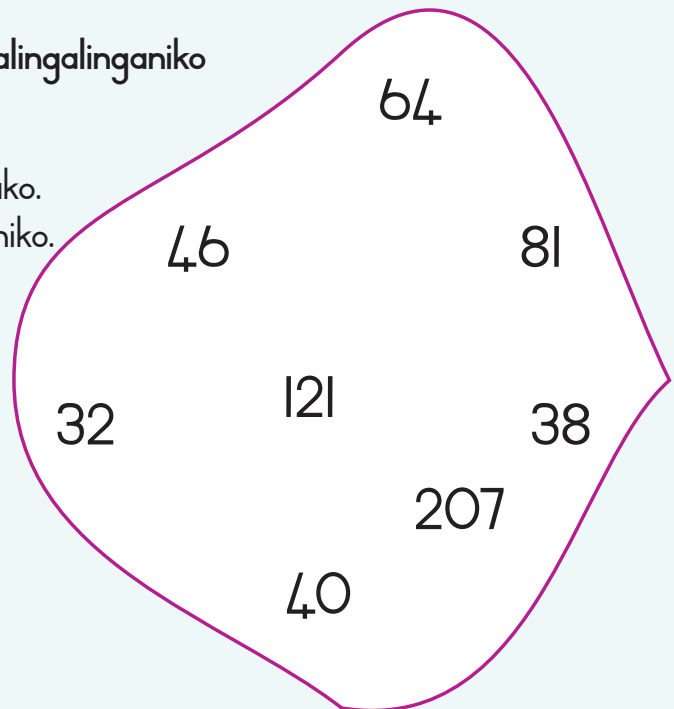
3, 5, 7,



Okulingalinganako nokungalingalinganiko

Dweba indulunga eenomborweni ezilinganako.

Dweba iskwere eenomborweni ezingalinganiko.





Kusukela emakowuswini ukuya eempareni zamakowusu

Isibonelo:

ipara yi-1  = amakowusu ma-2

$$2 \times 1 = 2$$

impara ezili-10  = amakowusu ama-20

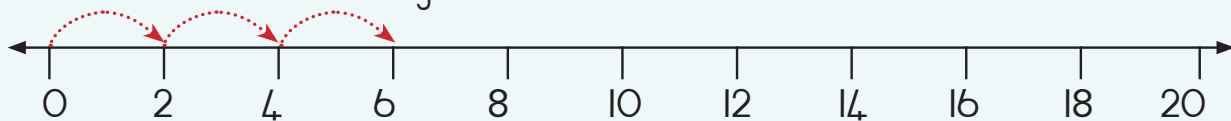
$$2 \times 10 = 20$$

a. Tlola kobana mangaki amakowusu.

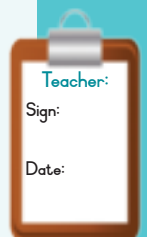
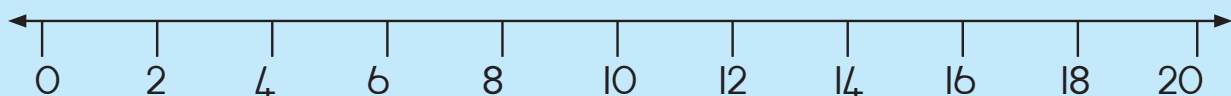
Cabanga ngaku-2		Umutjho weenomboro
Ipara eyo-1	amakowusu = ama-2	$2 \times 1 = 2$
Iimpara ezi-2	amakowusu = ama-___	$2 \times 2 = \square$
Iimpara ezi-4	amakowusu = abu-___	
Iimpara ezibu-8	amakowusu = ali-___	
Iimpara ezili-9	amakowusu = ali-___	

b. Tjengisa inani phezu kwenambalayini bese uyaqedelela.

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



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



11 12 13 14 15 16 17 18 19 20



Indatjana yemali yethu

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

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





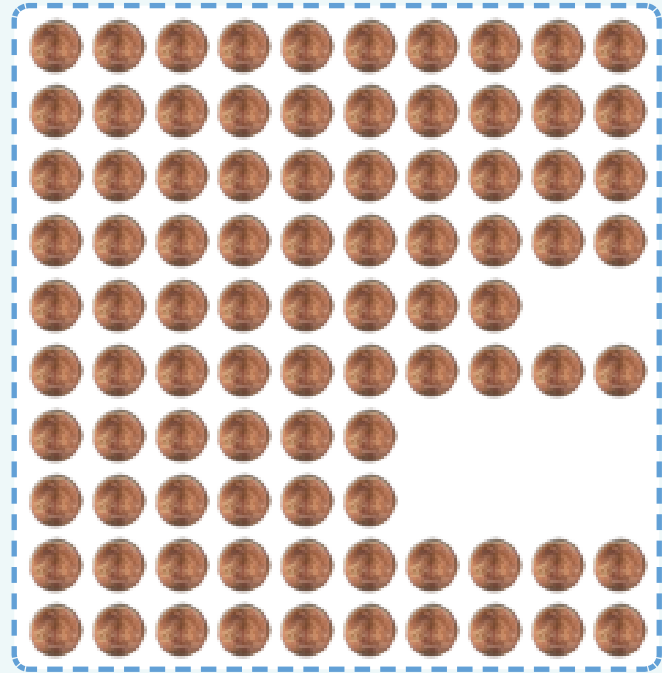
Bala amasende

Bala usende o-l.

Kunamasende amangaki?

Mangaki afunekako ukwenza i-R1,00?

Agwale ngaphakathi kwebhlogo.



Masende amangaki?

R1,00 = c	R2,00 = c
R3,00 = c	R1,50 = c



"Ngingathenga iinthelo ezingaki?"



2 sibiza-R4,00.

Ufumana amabhanana amangaki nge-R20,00?



2 sibiza-R2,00.

Ufumana ama-apula amangaki nge-R9,00?



Teacher:

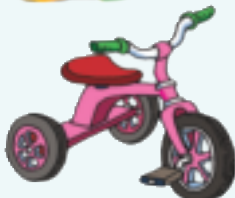
Sign:

Date:

Bala ngaku thathu



Amavili ngama-3



Ibhayisigili-emavili-ntathu yi-1 inamavili ama ____.



Iimbhasigili ezi-5 zinamavili ama ____.

$$3 + 3 + 3 + 3 + 3 = 5 \times 3 = \underline{\hspace{2cm}}$$

Iimbhasigili ezi-2 zinamavili ama ____.

$$3 + 3 = 2 \times 3 = \underline{\hspace{2cm}}$$

Iimbhasigili ezi-4 zinamavili ama ____.

Iimbhasigili ezi-6 zinamavili ama ____.

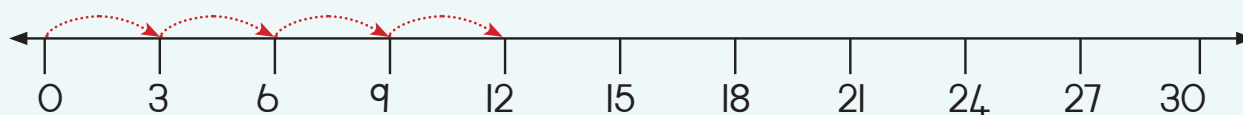
Iimbhasigili ezi-9 zinamavili ama ____.

Iimbhasigili ezi-8 zinamavili ama ____.

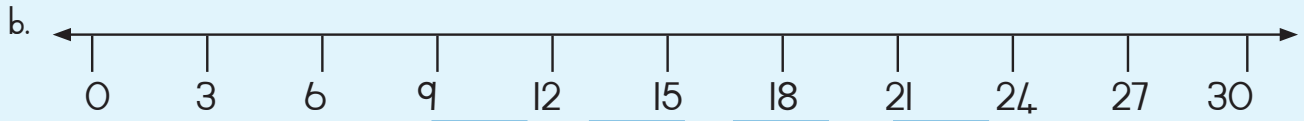


Amanambalayini

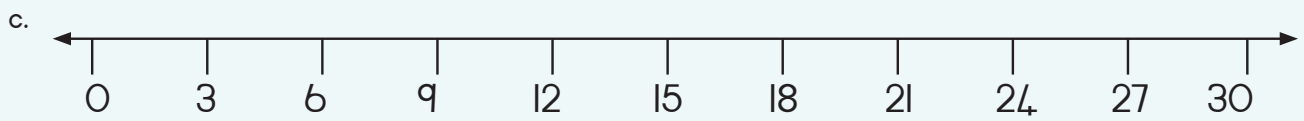
Landela isibonelo.



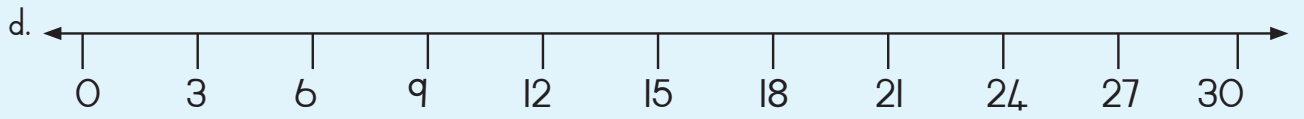
$$a. \quad 3 + 3 + 3 + 3 = \boxed{\hspace{1cm}} = 4 \times 3 = \boxed{\hspace{1cm}}$$



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



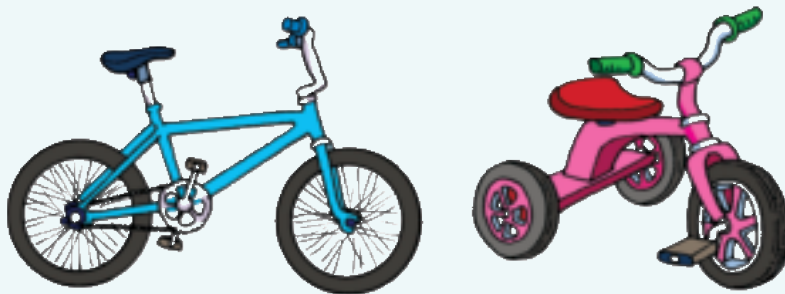
$$\underline{\hspace{10cm}} = \boxed{} = 6 \times 3 = \boxed{}$$



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



Ibhayisigili enamavili ama-2 neembhayisigili-ezimavilintathu ama-3

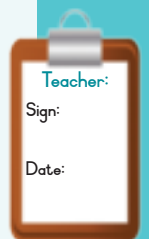


Esitolo seembhayisigili uBusi ubala amavili weembhayisigili neweembhayisigili-ezimavili-ntathu.

Kunamavili ali-14 sele awoke.

Kuneembhayisigili ezingaki lapho? _____

Kuneembhayisigili-ezimavili-ntathu ezingaki lapho? _____



Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

Ngikuphi okuza ngaku-4?



Imilenze emine

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



"Iinkomo", ziinenyawo ezine.

Khuyini godu okukhamba ngakune? _____



Bala imilenze

Yaba iimpendulo.
Hlathulula kobana wenzeni.

Sebenzisa amaphuzu owaziko mayelana naku-4 ukuphendula imibuzo le:

Ikomo e-1  4 imilenze	Inkomo ezi-2  8 imilenze
Inkomo ezi-3  imilenze	Inkomo ezi-4  imilenze
Inkomo ezi-5  imilenze	Inkomo ezi-6  imilenze
Inkomo ezi-7  imilenze	Inkomo ezi-8  imilenze
Inkomo ezi-9  imilenze	Inkomo ezi-10  imilenze



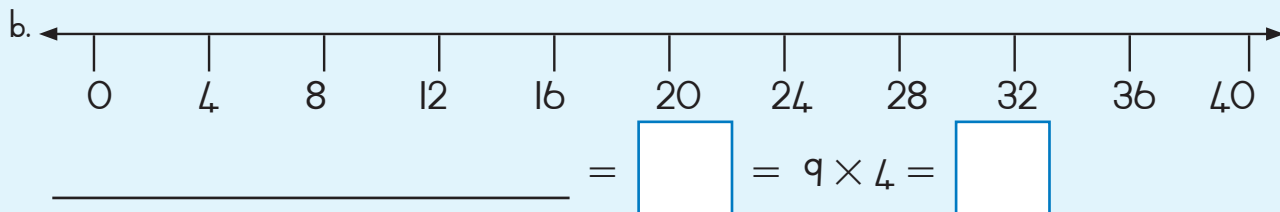
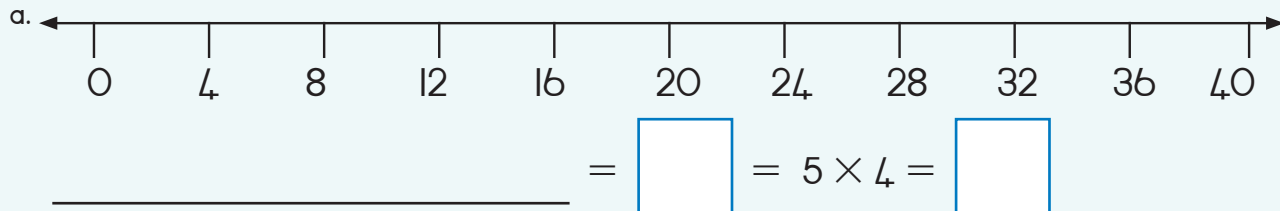
Qedelela itheyibula elandelako. Sebenzisa isibonelo ukubanelemuko.

Iinkomo ezi-3 zinemilenze eli- _____	$4 + 4 + 4 = 4 \times 3 = \underline{12}$
Iinkomo ezi-5 zinemilenze eli- _____	
Iinkomo ezi-4 zinemilenze eli- _____	
Iinkomo ezi-7 zinemilenze eli- _____	
Iinkomo ezi-8 zinemilenze eli- _____	



Amanambalayini

Yenza isibalo sokubuyabuyelela phezulu kwenambalayini bese uyaqedelela usebenzise ukweqa.



Teacher: _____
Sign: _____
Date: _____



Amaphetheni wegridi

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

a. Iphetheni: _____

b. Iphetheni: _____

c. Iphetheni: _____

d. Iphetheni: _____

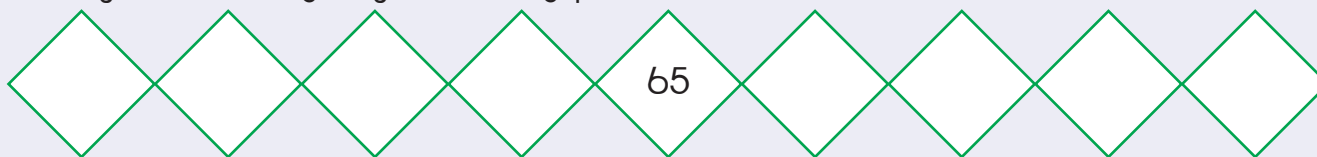


Zenzele iphetheni yakho

- a. Kilephetheni yeenomboro, iinomboro zoke ziyalingana.
Inomboro enye ingaba yini? Zitlola ngaphakathi.



- b. Kilephetheni yeenomboro, iinomboro zoke azilingani.
Ezinye iinomboro zingaba yini? Zitlola ngaphakathi.



Ingabe zifanele zibe kuphi?



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



Elwandle

UThembi udobha amacephe welwandle ahlangua kwama-60 nama-70

Uwabala ngaku-3, usele nali-l.

Iinomboro ekungabangizo ngilezi: 61, _____, _____, 70.

Nakabala nga-5, usalelwa ku-4.

Iinomboro ekungizo ngilezi: _____, _____.

UThembi unamacephe amangaki? _____



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

30a

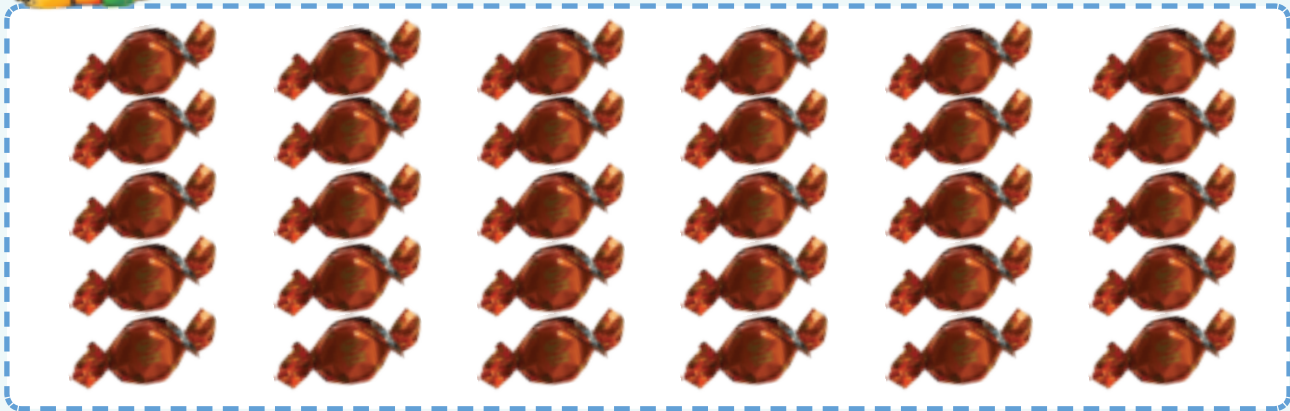
Ilanga:

Ithemu I

Ukwehlukanisa



Yabelana ngamaswidi.



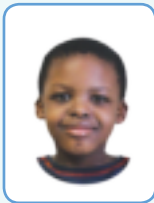
- a. Yabela abentwana ababili ngokulingana amaswidi ama-30.



Singatlola ngendlela elandelako:

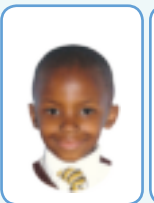
$$30 \div 2 = 15$$

- b. Yabela ngokulingana amaswidi hlangana nabentwana abathathu.



$$\div =$$

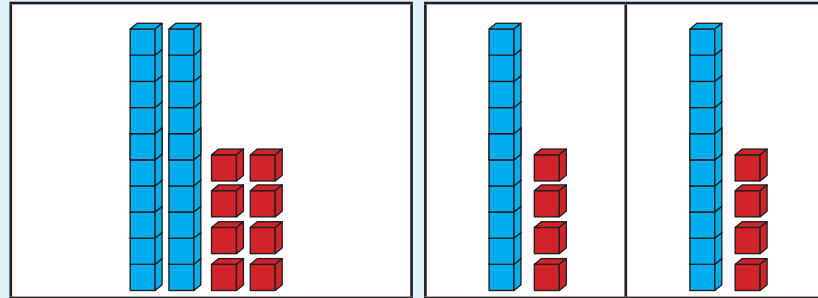
- c. Amaswidi ahlukiselwe abentwana aba-5



$$\div =$$



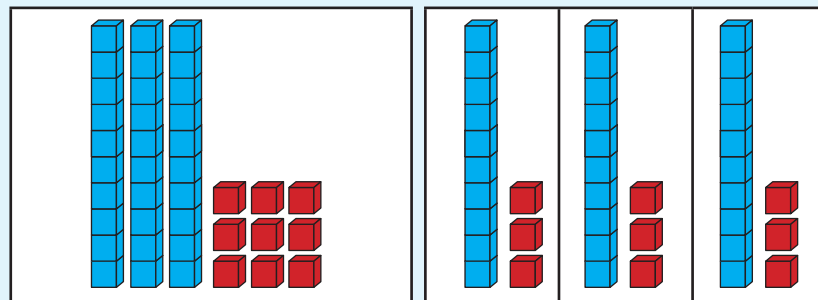
Singasebenzisa iinomboro zamabhlogo ukwabelana.



$$28 \div 2 = 14$$

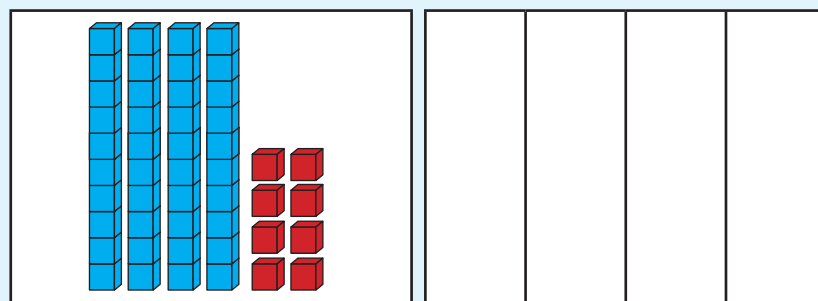
Kwanje yenza lokhu.

a.



$$\square \square \div 3 = \square \square$$

b.



$$\square \square \div 4 = \square \square$$



Teacher: _____
Sign: _____
Date: _____

30b

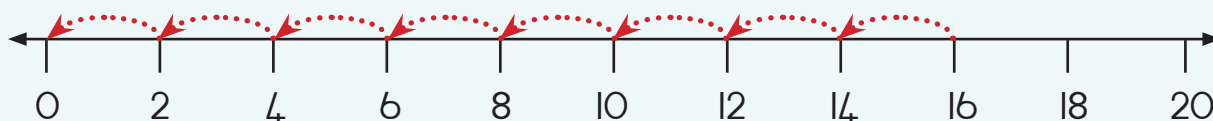
Ilanga:

Ukwehlukanisa (kuragela phambili)

Ithemu I



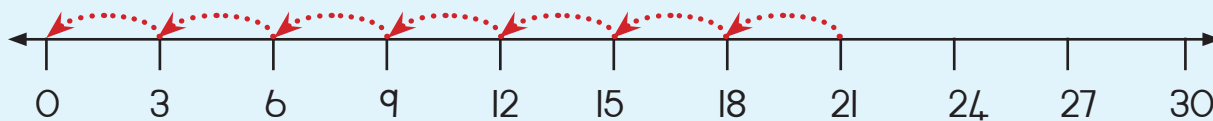
Sebenzisa amanambalayini ukutlola umutjiho weenomboro okhuphako nanyana ohlukanisako. Isibonelo:



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

$$16 \div 2 = 8$$

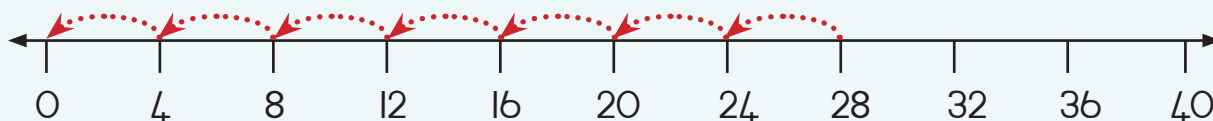
a.



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

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

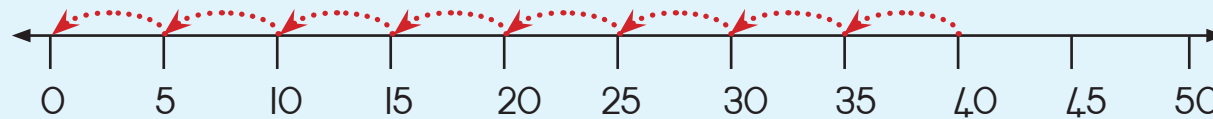
b.



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

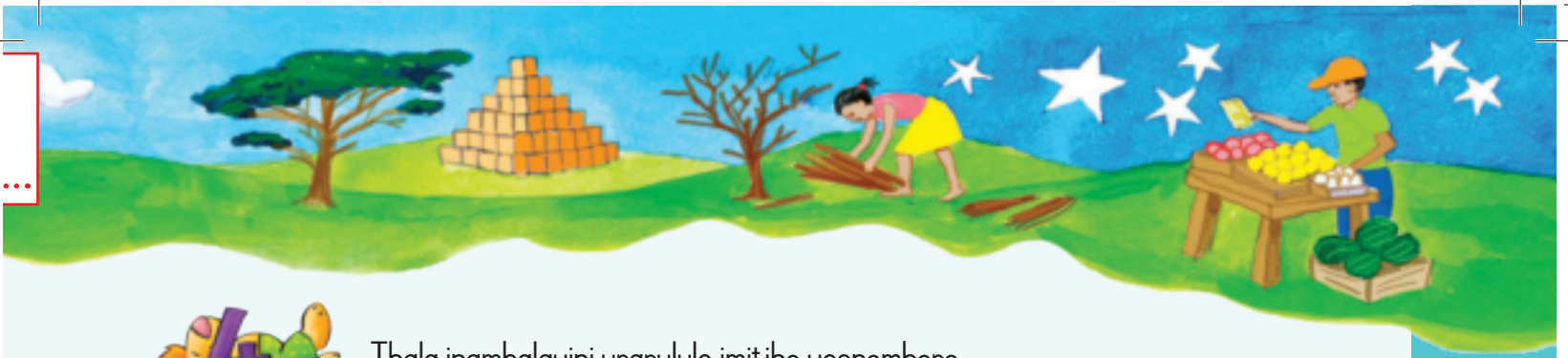
$$\boxed{\hspace{1cm}} \div \boxed{\hspace{1cm}} =$$

c.



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

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



Thala inambalayini urarulule imitjho yeenomboro.

a. $30 \div 5 =$



b. $22 \div 2 =$



c. $27 \div 3 =$



d. $32 \div 4 =$



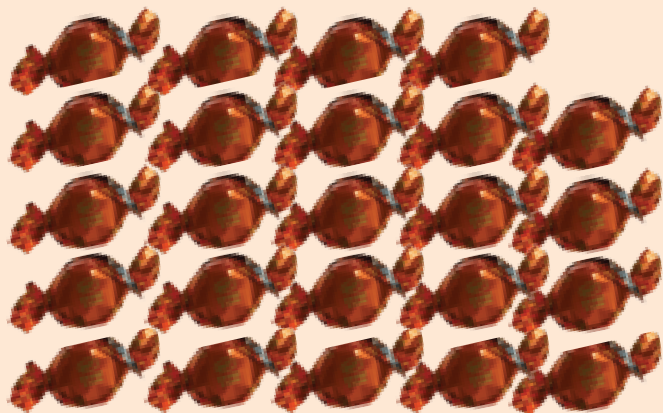
e. $25 \div 5 =$



Iselele

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

Tlola umutjho weenomboro
ukutjengisa
ipendulo yakho.



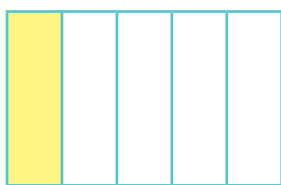
Teacher: _____
Sign: _____
Date: _____

Amacezu

Ithemu I

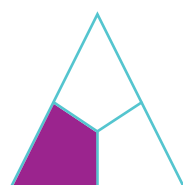


Thala umuda umadanise ibumbeko necezu elifaneleko.



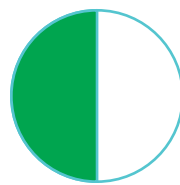
$$\frac{1}{3}$$

ingcenge yakuthathu



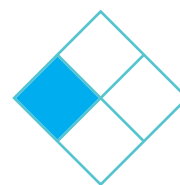
$$\frac{1}{5}$$

ingcenge yakuhlanu



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

ingcenge yekotara

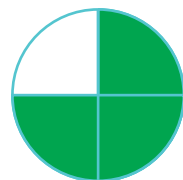


$$\frac{1}{2}$$

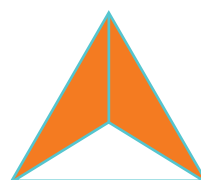
ingcenge yehafu

iingcenge
ezintathu
zamakotara

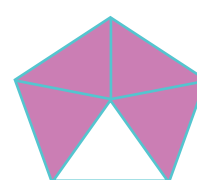
$$\frac{3}{4}$$

iingcenge
ezine
zakuhlanu

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

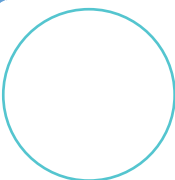
Okukodwa
okuzeleko

$$1$$

iingcenge
eziimbili
zakuthathu

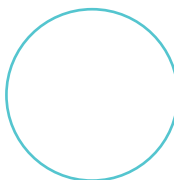
$$\frac{2}{3}$$

Hlukanisa bese uyakhalara:



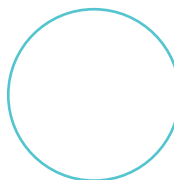
$$\frac{1}{2}$$

ingcenge yehafu



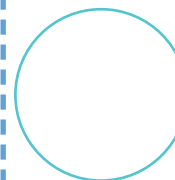
$$\frac{1}{3}$$

ingcenge yakuthathu



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

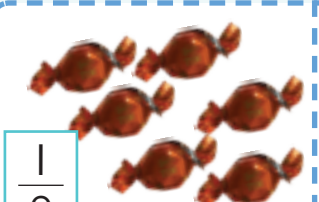
ingcenge yekotara



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

ingcenge yakuhlanu

Tjengisa icezu ngokuthala umuda osuka enomborweni enembako yamasbidi.



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

ingcenge yehafu



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

ingcenge yakuthathu



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

ingcenge yekotara



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

ingcenge yakuhlanu

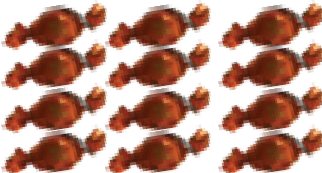
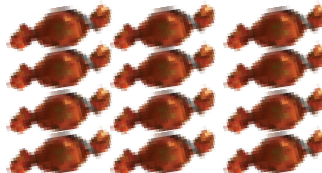


Yabela abentwana ababili iimbalisi.

• Omunye nomunye ufunyene iimbalisi ezi- 2 • Ihafu yeembalisi ezi- 4 ngu 2. 4 ÷ 2 = 2	• Omunye nomunye ufunyene iimbalisi ezi- ____ • ____yaka ____ngu ____. ____ ÷ ____ = ____	• Omunye nomunye ufunyene iimbalisi ezi- ____ • ____yaka ____ngu ____. ____ ÷ ____ = ____	• Omunye nomunye ufunyene iimbalisi ezi- ____ • ____yaka ____ngu ____. ____ ÷ ____ = ____
---	---	---	---



Yabela abentwana amaswidi ngokulingana.

 <table border="1" data-bbox="335 1444 699 1635"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>									 <table border="1" data-bbox="986 1444 1350 1635"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>						
															
															
• ikotara amaswidi = 3 • amakotara amabili amaswidi = ____ • amakotara amathathu amaswidi = ____ • amakotara amane amaswidi = ____	• isiquntu esisodwa sesithathu amaswidi = ____ • iinquntu ezimbili zesithathu amaswidi = ____ • iinquntu ezintathu zesithathu amaswidi = ____														



Teacher: _____
 Sign: _____
 Date: _____



Ukuya ngesidleni

Singatlola isikhathi esifanako ngeendlela ezihlukileko.

Sekusikhathi

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

Tlola lokhu ngeendlela ezimbili ezihlukileko.

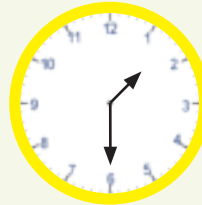


Ukuya ekhaya

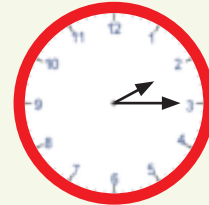
UBen uthatha isikhathi esingangani ukufika ekhaya?

imizuzu

ama-iri



UBen usuka
esikolweni.



UBen ufika
ekhaya.



Isikhathi siyagijima

Isikhathi ngaku-2 ...



Mingaki ...

imizuzu ema-irini ama-2? _____

ama-iri ngamalanga ama-2? _____

amalanga ngeemveke ezi-2? _____

iinyanga ngeminyaka emi-2? _____



Malanga amangaki?

UMrhayili 27 liLanga leKululeko.

UMgwengweni 16 liLanga leLutjha.

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

Mv	Lab	Lst	Lsn	Lsh	Mga	Snd
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Mv	Lab	Lst	Lsn	Lsh	Mga	Snd
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Mv	Lab	Lst	Lsn	Lsh	Mga	Snd
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Tjhega. Madanisa.
Lungisa.

Teacher: _____
Sign: _____
Date: _____

Kunqotjhiwe kuma-200



Balani iinomboro

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



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



Tlalani iinomboro

- Tlalani inomboro etlhayelako esikwereni ngasinye esihlaza kwesibhakabhaka.
- Tlalani zoke ezinye iinomboro.
- Tlalani iinomboro ezili-10 ezilandelako ngemva kwama-200.

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



Ingangani imeqo?

a.

200		180			
					110
50					
					0

b.

87		107	
167			
		207	
			237



Qedelela

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

Hlela iinomboro zilandelane kusuka kencani kuye kekulu.



Balani kusukela e-100

Zalisa amabhoksi anganalitho ngokubala kobana ngikuphi okuthhogako ukufika enomborweni elandelako.

Thomani

100	→ +25 →	125	→		→	129	→		→	138

Qedani

168	←		←	157	←		←	151	←		←	145

Teacher: _____
Sign: _____
Date: _____

Ukusebenza ngamabuthhelelo weenomboro



Ukupaka amakerese

UNaNkosi usebenza efemini yamakerese.

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



Kunamakerese amangaki ethreyini ngayinye? _____

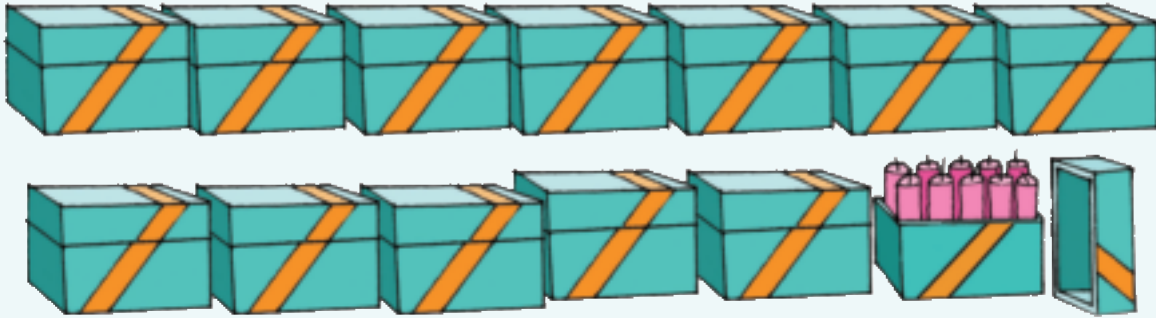
Kunamathreyi amangaki erageni ngayinye? _____

Kunama-keresi amangaki erageni ngayinye? _____



Amabhoksi wamakerese

Okulandelako uNaNkosi uvala amabhoksi.



a. Bala amabhoksi.

Mangaki? _____

Amakerese mangaki selawoke? _____

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

b. Mangaki amabhoksi we-:

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

c. Mangaki amabhoksi awadingako we:

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



35a

Ilanga:

Ithemu 2

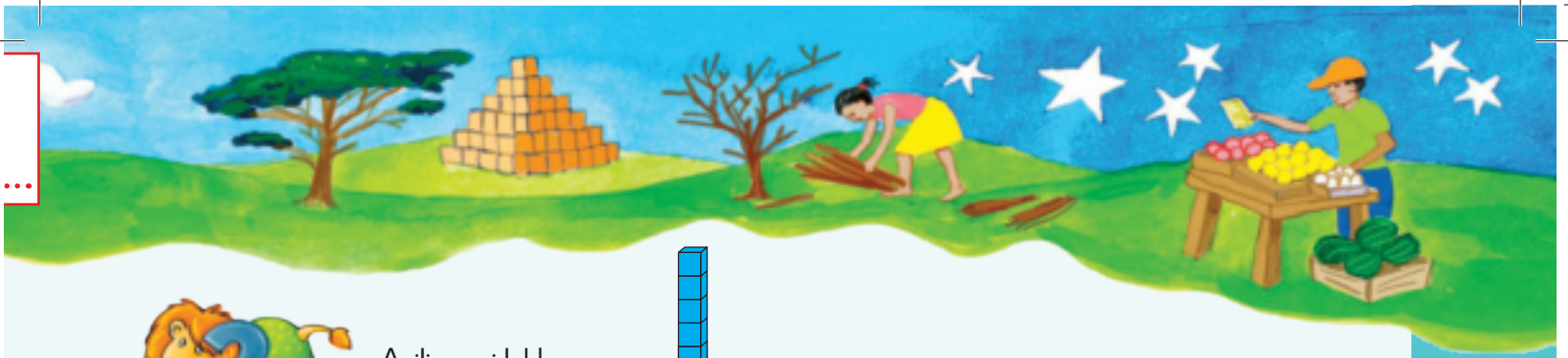
Ukubeka amatjumi ndawonye nokuwahlukanisa



Ukubeka amatjumi ndawonye lokha nasihlanganisako.

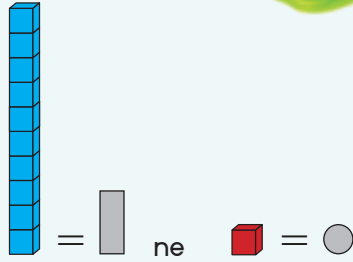
Asihlanganiseni $56 + 73 =$		+	
	amatjumi ama-5 namayunidi ama-6		amatjumi ali-7 namayunidi ama-3

100s	10s	1s
Nasele kukoke sinamatjumi ali-12. Singabeka amatjumi ama-10 ndawonye ukwenza ikhulu li-1.		



Asilingeni lokhu.

Isibonelo: $82 + 34$



$$100 + 20 + 6 = 126$$

b. $65 + 52$

c. $76 + 63$

d. $86 + 65$



35b

Ilanga:

Ithemu 2



Ukubeka amatjhumini ndawonye nokuwahlukanisa (kuragela phambili)

Sebenzisa amabhlogo wobukhulu beenomboro.

Sebenzisa amabhlogo wobukhulu beenomboro ukwenza iinomboro ezimbilezi.	Koke ndawonye mangaki amatjhumini? bangaki abowani?	Ingabe uhlele amatjhumini namkha abowani? Tjhega ubukhulu beenomboro lapho uhlela kabutjha.	Tlola inomboro.
$23 + 99 =$	_____ amatjhumini _____ abowani	abawani aba-11 + amayunidi ali-12 $= 110 + 12$	122
$38 + 25 =$	_____ amatjhumini _____ abowani		
$77 + 31 =$	_____ amatjhumini _____ abowani		
$68 + 45 =$	_____ amatjhumini _____ abowani		
$83 + 47 =$	_____ amatjhumini _____ abowani		



Asibekela amatjhumini ngeqadi lokha nasikhuphako

Lokha nasikhuphako, kesinye isikhathi sitlhoga kobana sitjengise itjhumini linye njengabowani abalitjhumini, namkha ikhulu njenge-10 elimatjhumini.

Asikhuphe kuma: $60 - 55 =$

Sithoma amatjhumini amathandathu begodu hayi abowani. Sifuna ukukhupha amatjhumini amahlanu nabowani abahlanu

(abowani esibasusako sibafake umbala omlotha.)

Singatjengisa amatjhumini amathandathu nje.	Namkha njengamatjhumini amahlanu nabowani abalitjhumini.	Susa amatjhumini amahlanu nabowani abahlanu. Abowani abahlanu basele.	
		$60 - 55 = 5$	



Asilingeni lokhu.

a. $70 - 28$

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

b. $90 - 46$

c. $80 - 53$



Fumana ipara yeenomboro

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	





Ukuvakatjhela udorhodere wamazinyo

Isiqhema sabentwana sivakatjhela udorhodere wamazinyo.



Lokhu ngilokho abentwana abamtjela khona

= ka-l

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

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

 Kanye ngelanga	
 Kabili ngelanga	
 Kathathu ngelanga	

b. Ubona ini phezulu kwetafula?

Inengi labentwana lihlamba amazinyo wabo _____ ngelanga.

Kunabentwana aba _____ esiqhemeni.



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

 = kanye



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

a. Bawahlamba kangaki amazinyo ngelanga? _____

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



11 12 13 14 15 16 17 18 19 20

Hlanganisa



Tlola inani lakho



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

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

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

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

Uyazi: $50 + 70 = 120$.

Uthatha **amakhulu**, **namatjhum**i begodu nekarada **lamayunidi**

ukwenza inomboro enamadijidi ama-3.

Uyitlola ngendlela le:

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

9

$$\begin{array}{|c|c|c|} \hline 1 & 0 & 0 \\ \hline \end{array} \begin{array}{|c|c|} \hline 2 & 0 \\ \hline \end{array} \begin{array}{|c|} \hline 9 \\ \hline \end{array}$$

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

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



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

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





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

a. $86 + 62$

Indlela yakaBusi.

$$80 + 60 + 6 + 2$$



Indlela yaka-Dumi

$$80 + 6 + 60 + 2$$



b. $72 + 63$

c. $81 + 57$

d. $69 + 71$

Sebenzisa iindlela ka-Aakar ukwenza lokhu.



Teacher:
Sign:
Date:

37b

Ilanga:

Ithemu 2



Hlanganisa (kuragela phambili)

Kwanje asikhuphe.

a. $87 - 53$

Indlela yakaBusi.

$$80 - 50 + 7 - 3$$

$$= 30 + 4$$

$$= 34$$



Indlela yaka-Tumi

$$80 + 7 - 50 + 3$$

$$= 30 + 4$$

$$= 34$$



b. $95 - 73$

c. $86 - 62$

d. $85 - 69$



Rarulula!

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

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



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



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



Rarulula!



Iimvalo zamabhodlelo

Sebenzisa enye nenye indlela oyithandako.
Tjengisa umsebenzakho.



USipho



U-Andile

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

USipho ubale iimvalo ezingaki ngehla kwakaSandile?



Ikhonsadi yesikolo



UMusa



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

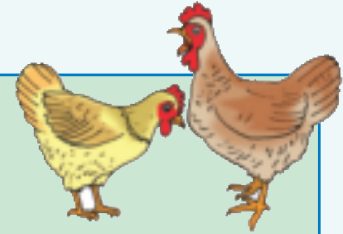
Bekube njenganje uMusa sele athengise amathikithi amangaki?



Ukuzijayeza



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



Indlela kaGugu

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



Indlela kaAakar

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

Ingabe uyazi kobana kubayini Ngikhuphe ku-I?



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

Sebenzisa indlela kaGugu

Sebenzisa indlela kaAakar

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

Sebenzisa indlela kaGugu

Sebenzisa indlela ka-Aakar



Teacher: _____
Sign: _____
Date: _____

Bala bewubalisise

Ithemu 2



Fumana ingcenywe

Tlola iinomboro ezitlhayelako.

- a.

100	
	27
- b.

100	
39	
- c.

100	
43	
- d.

100	
56	
- e.

200	
140	
- f.

200	
	110
- g.

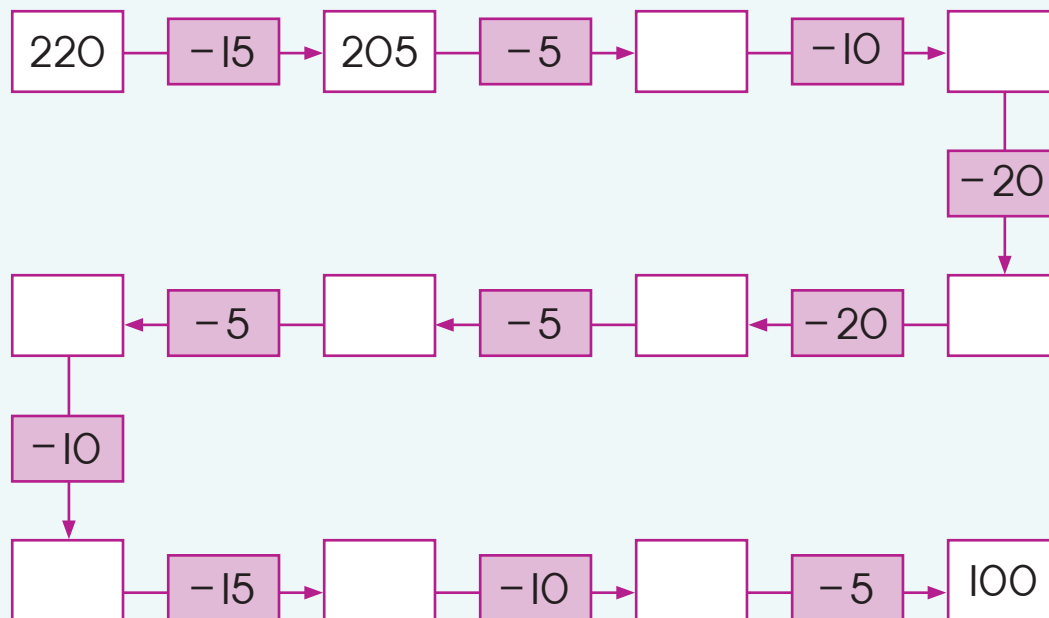
200	
135	
- h.

200	
	120



Ukukhupha singovana kusukela ema-220 ukuya e-100.

Ukhupha inomboro engebhoksini elipinki.
Yokuthoma selewenzelwe yona.



Nasi indlela
yokutjhega
iimpendulo
zakho!
Thoma
e-100!

Sebenzela
emva ukuya
ema-220.

Kodwana
kwanjesi,
hlanganisa
iinomboro.



Imindeni yangabathathu

Fumana iinomboro ezi-3 ezihlanganisa inomboro enqophiweko. Kodwana kufanele ulandele umthetho othi yinomboro yinye kwaphela engaphelela ngo-0.

Isibonelo:



Amatjhumu ama-50 ngaphezulu namatjhumu ama-50 ngaphasi.

Tlola iimpendulo emideni wesi-2.

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



Teacher:

Sign:

Date:

40

Ilanga:

Ithemu 2

Ukumeda ngamasenthimitha



Isentimitha lingangani?



Iinomboro eruleni zijamele amasenthimitha.

Sisebenzisa isirhunyezo namkha itshwayo cm.

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

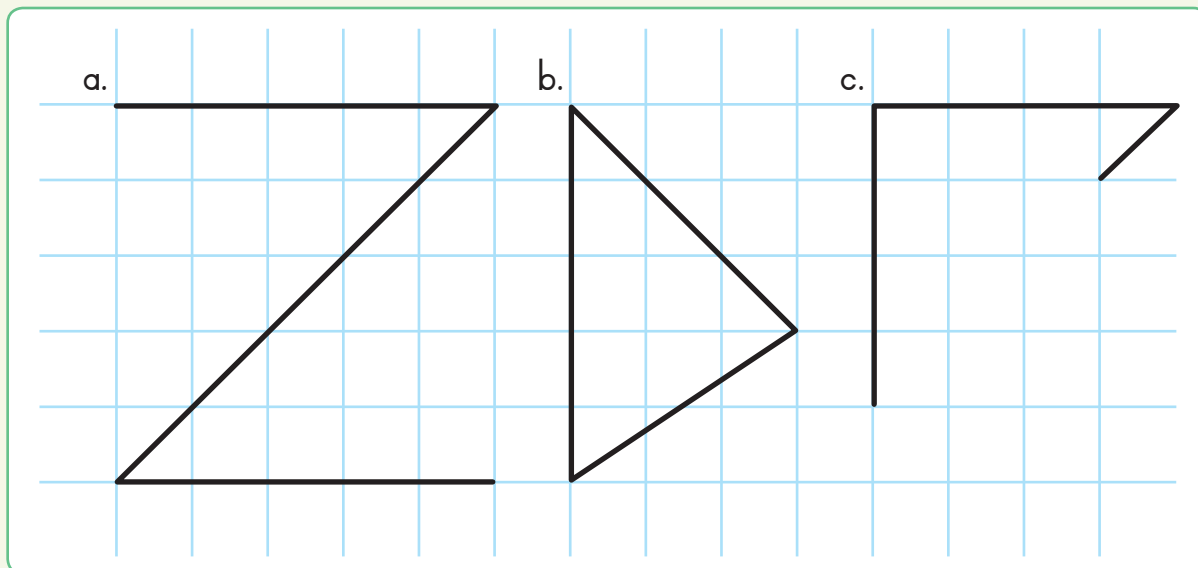
Amanye amarula akatjengisi u-O njengale esekhasineli.

Fumana uziro cm eruleni. Tlola u-O eruleni.

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



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



a. Linganisa ama-cm	b. Linganisa ama-cm	c. Linganisa ama-cm
Meda ama-cm	Meda ama-cm	Meda ama-cm



Ingabe umuda ngamunye mude kangangani?

Umuda ngamunye unama-cm amangaki ubude?

Sebenzisa umunwakho ukusize ukuqunta.

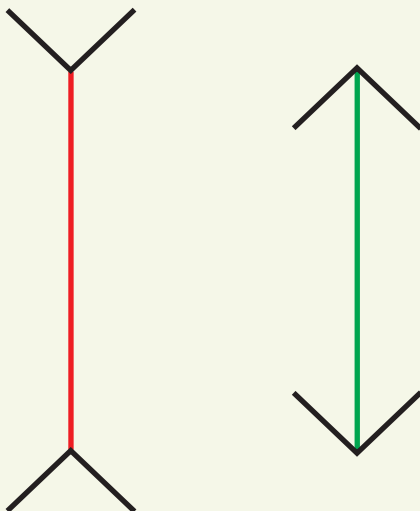
a. _____ cm	d. cm
b. _____ cm	e.  cm
c. _____ cm	f.  cm



Uqinisekile?

Ngimuphi omudenyana, umthala obomvu namkha umthala ohlaza satjani?

Ungatjhega bunjani?



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



Teacher: _____
Sign: _____
Date: _____

Ilanga:

41

Kunqotjhwe kuma-300



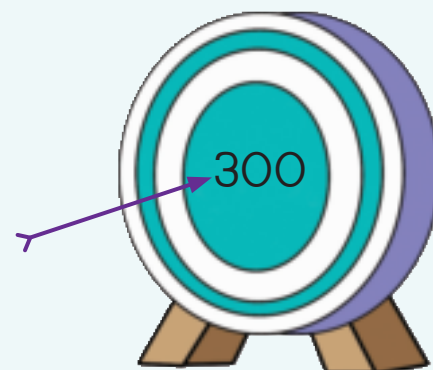
Bala bewutlole ama-200!

Bala kusukela ema-201 ukuya ema-300.

Khomba nawulokhu uragela phambili.

Zalisa iinomboro ezihlaza kwesibhakabhaka qange.

Tlola ebunengini beenomboro.



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

Tlola iinomboro ezili-10 ezilandela ngemva kwama-300.

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



Khuyini ukweqa?

301		281					
		171				211	
					101		



Tjhejisisa begodu umadanise

a. Tlola iinomboro ezingena ngekaradeni elinye nelinye.

298;	208;	301;	276;	227;	269;	311
200						
90						
8						

b. Tlola iinomboro ngokulandelana kusukela kezincani ukuya kezikulu.

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



Ubuyelwa yimalini? Tlola iinomboro ezithlayelako.

Thoma

200	→ +25 →	225	→		→	237	→		→	249

Phetha

300	←		←	286	←		←	278	←		←	261



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

42

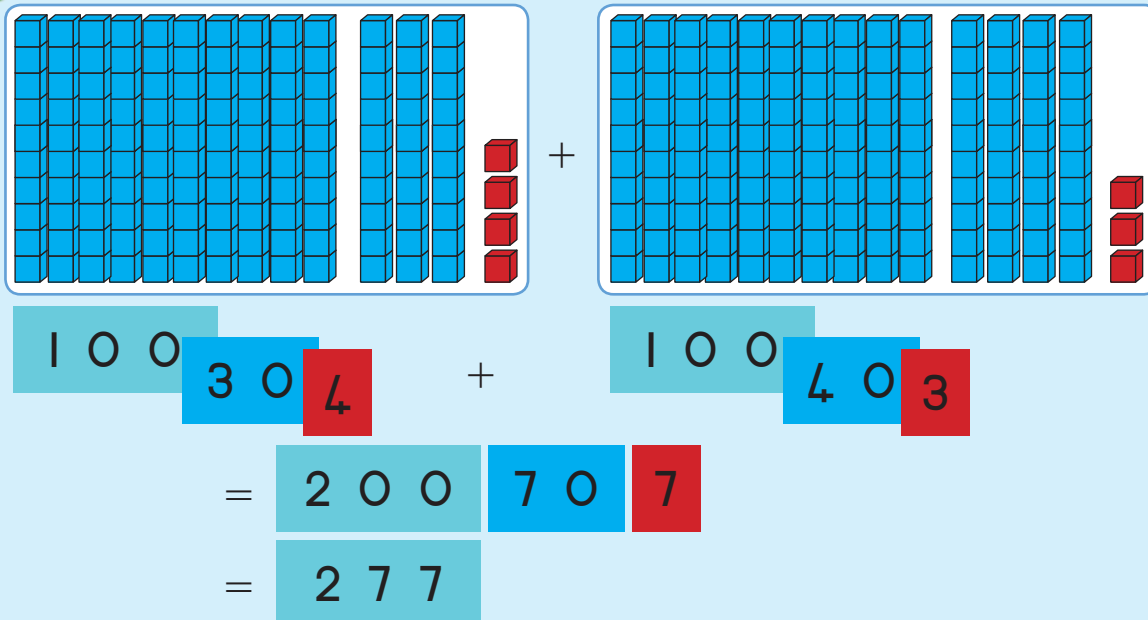
Ilanga:

Ithemu 2



Ukuhlunganisa kanye nokukhupha ngama-100

Ukuhlunganisa usebenzise amabhlogo.



Funyana iindlela ezimbili zokwenza lokhu. Tjengisa ipendulo enye nenye ngendlela ezimbili.

a. $132 + 123$

Indlela yakaBusi

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

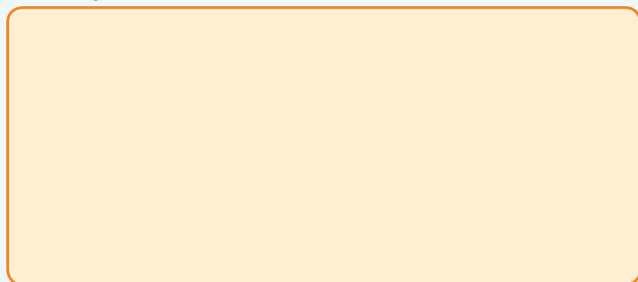


Indlela yaka-Tumi

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



b. $114 + 162$





c. $276 + 148$



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

a. $158 - 146$

Indlela yakaBusi

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



Indlela yakaTumi

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



b. $194 - 122$

c. $288 - 199$



Teacher:
Sign:
Date:

43

Ilanga:

Ithemu 2

Kunqotjhwe kuma-400

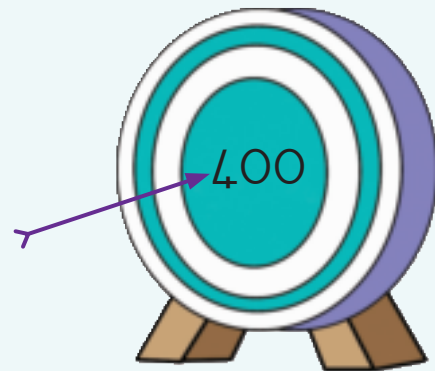


Ukubala kanye nokutlola ama-400

Ukubala kusuka kuma-300 bekufike kuma-400.

Phimisela/Yitjho iinomboro nawulokhu uya phambili ubala.

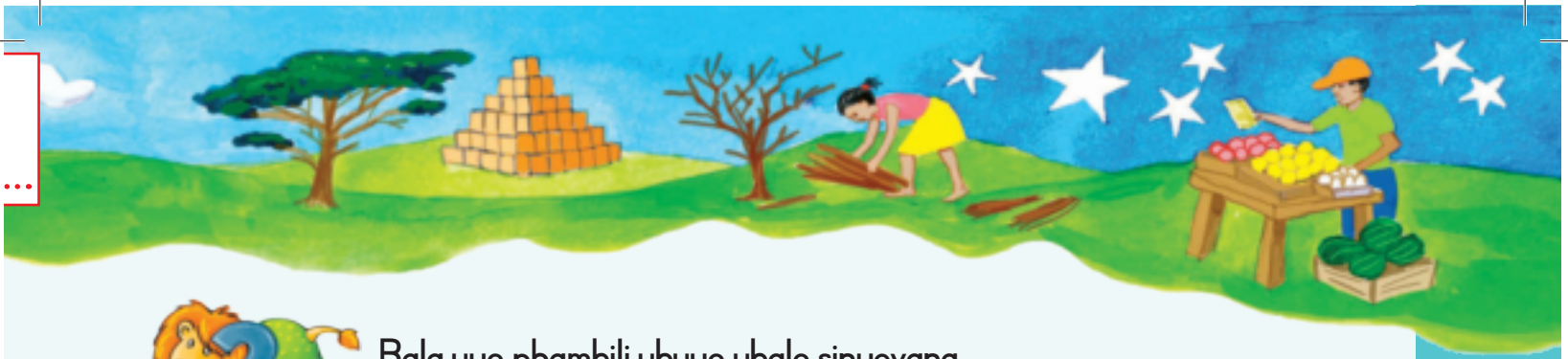
Tlola iinomboro ezitlhayelako kugridi.



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

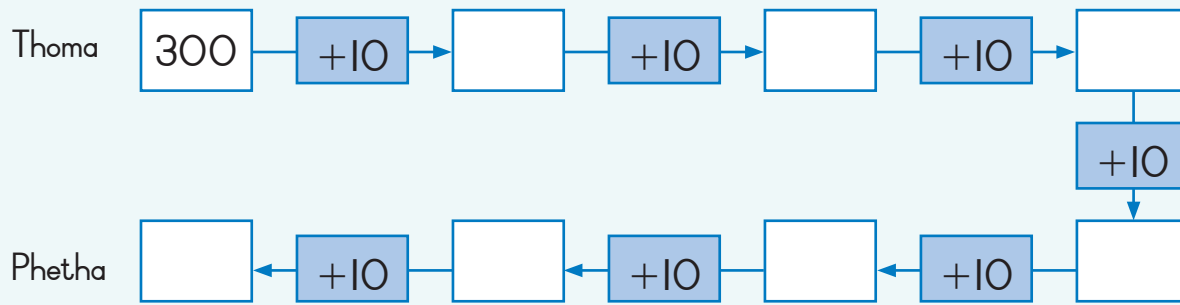
Tlola ezinye iinomboro ezili-9 eziza ngemuva kwama-400.

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

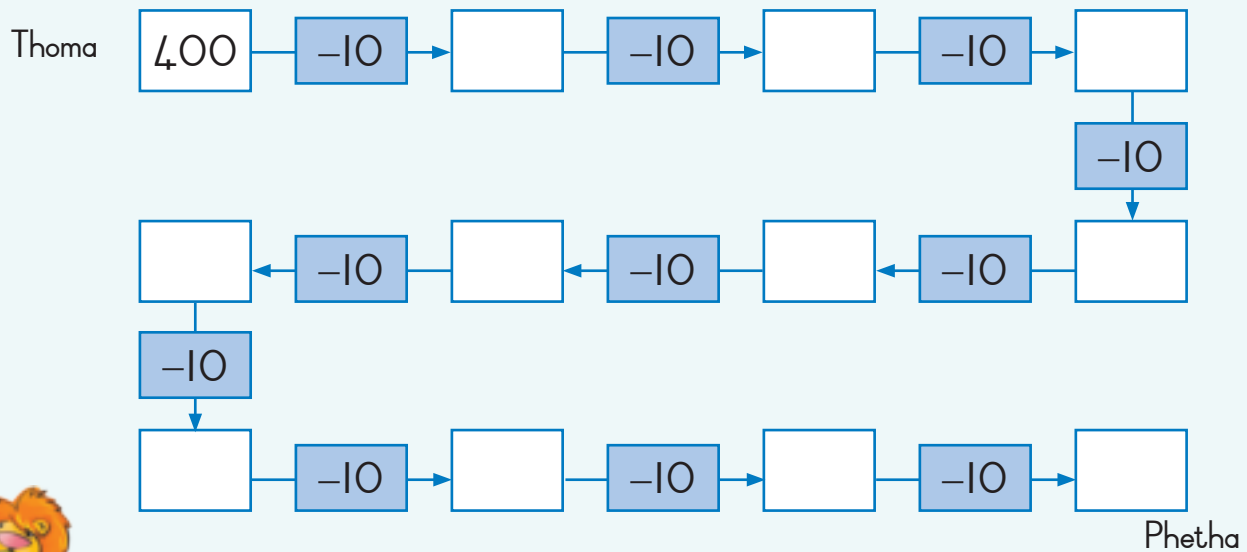


Bala uye phambili ubuye ubale sinyovana.

a. Ukubala kusuka kuma-300 nokuya phambili



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



Tlola kube yinomboro eyodwa

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

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

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

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

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

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

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

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

Tlola inomboro ngokulandelana kusuke kencani kuye kekulu khulu.



44

Ilanga:

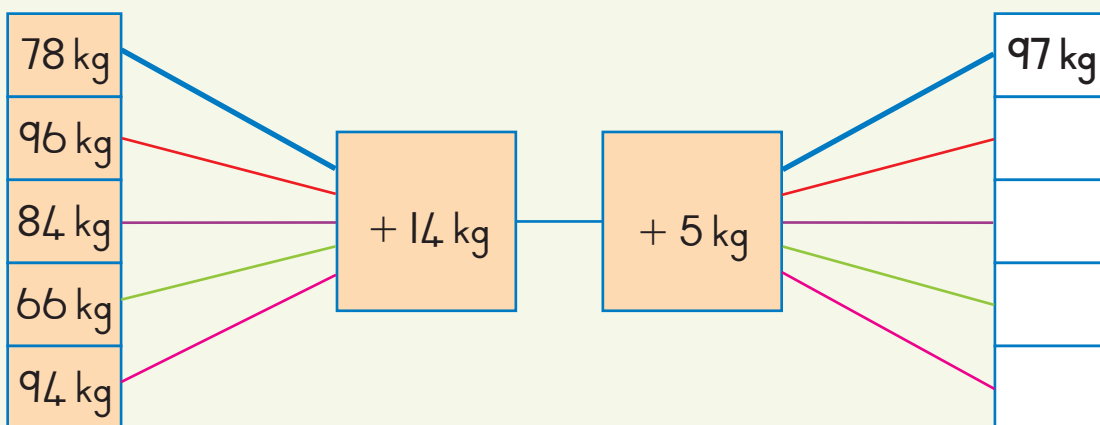
Ithemu 2

Ukukala



Ngezelela ngamakhilogramu

Hlanganisa begodu ufumane iimpendulo.



Yenza okupheleleko begodu uhlanganise!

Cabanga
kuhle!

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

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

Tlola ubudisi ngokulandelana kusukela kokubulula ukuya kokubudisi.

Linganisa ithothali yobudisi beenyamazana ezi-5.



Hlanganisa ubudisi



Kungenzeka ngingabibudisi njengawe. Ikghuru omdala, kodwana nginesiqiniseko ngimasinyana!



Amagadango

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

	Ngiyalinganisa	Ngiyabala	Umehluko
 + 			
 +  + 			
 +  + 			



Ubudisi bakaVusi

Tjhega. Madanisa. Lungisa.

UVusi uhlanganisa ubudisi bakhe nobudisi be  begodu ne .

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



Buyini ubudisi bami?

Dlala esiqhemeni. Dlheganani ...

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

Teacher:

Sign:

Date:

45

Ilanga:

Ithemu 2

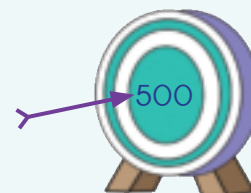


Kunqotjhwe kuma-500

Bala bewutlole!

400

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



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

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

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

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

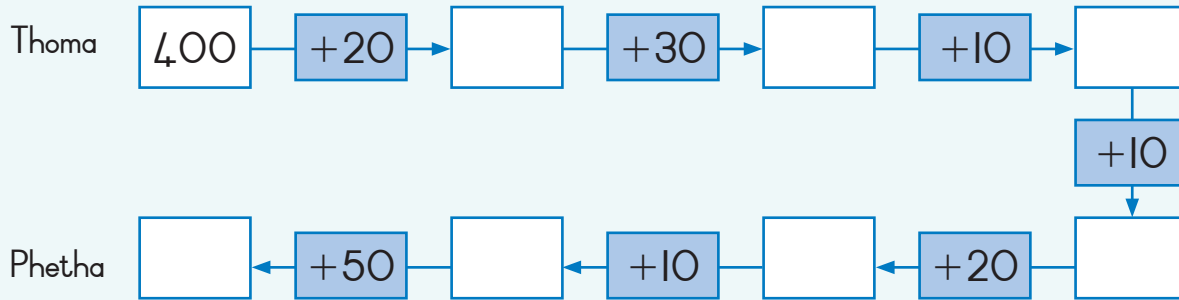
- Bala ngaku-5. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangaku-5.

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

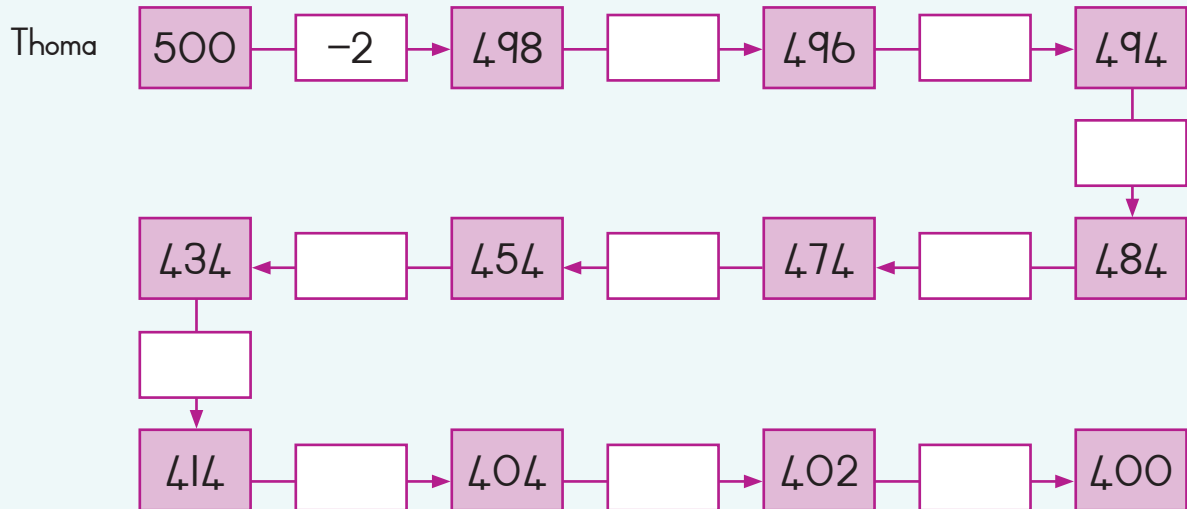


Zalisa ngeenomboro ezitlhayelako.

a. Hlanganisa uye phambili kusukela ema-400.



b. Bala ubuyele emva kusukela ema-500.



Tjengisa iinomboro. Landela isibonelo.

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

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

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



Teacher: _____
Sign: _____
Date: _____

46

Ilanga:

Okhunye ukuhlanganisa kanye nokukhupha

Ithemu 2

2 0 0

5 0

4

2 0 0

3 0

5

4 0 0

8 0

9

4 8 9



Siyokusebenzisa iindlela zakaBusi kanye no-Dumi zokubala godu ukuhlanganisa.

a. $245 + 231$

Indlela yakaBusi

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



Indlela yakaDumi

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



b. $278 + 136$

c. $265 + 148$



Siyokusebenzisa iindlela zakaBusi kanye no-Dumi zokubala godu ukukhupha.

a. $476 - 324$

Indlela yakaBusi

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



Indlela yakaTumi

$$\begin{aligned} &476 - 324 \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$

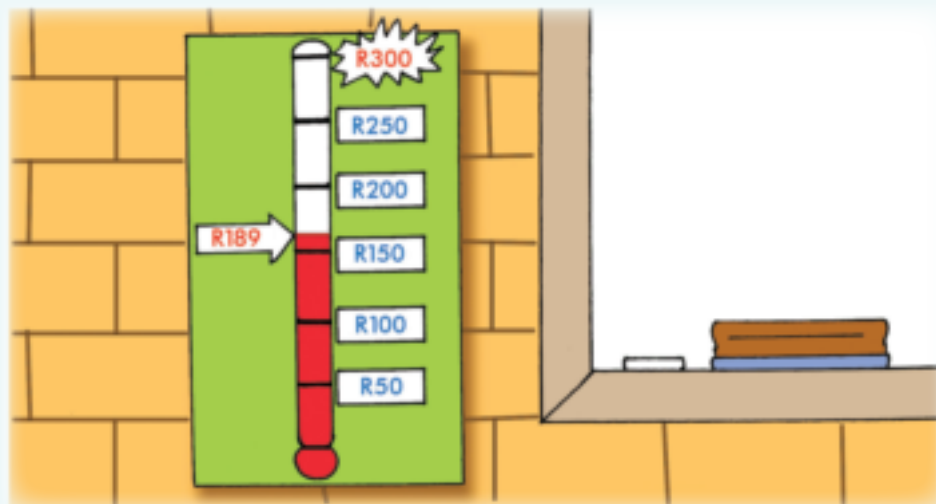


b. $489 - 456$

c. $482 - 161$



Funda okunqotjhiweko



Funda isithombe.

Kusele kangangani ukufikelela emnqopheni?

R



Teacher: _____

Sign: _____

Date: _____



Intaba yefihlo

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

A	B	C	D	E	F	G	H	I	J	K	L	M
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

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

Ibizo lentaba yi:



Qala! Cabanga, begodu phendula!

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

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

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



Hlolisisa. Madanisa. Lungisa.

Ngikuphi okunengi?

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

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

Tjengisa ukuthi uzoyisebenza njani.



Teacher: _____

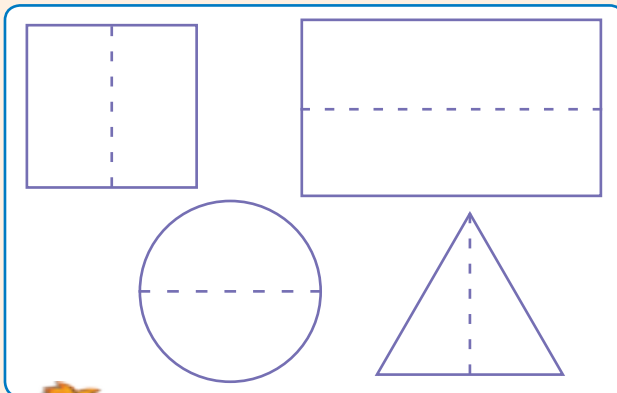
Sign: _____

Date: _____

11 12 13 14 15 16 17 18 19 20

Ukufana nca zoke/isimethri

Ngikuphi okuyelelako ngamajamo?

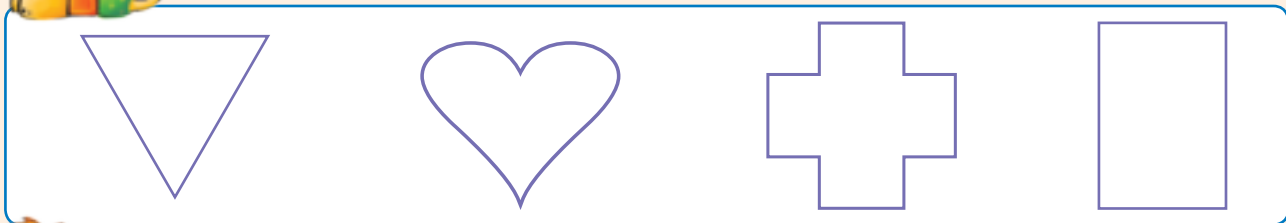


Umuda wesimethri wehlukanisa amahafu amabili phakathi ukuze ihafu eyodwa itjengise ubujamo benye ihafu.

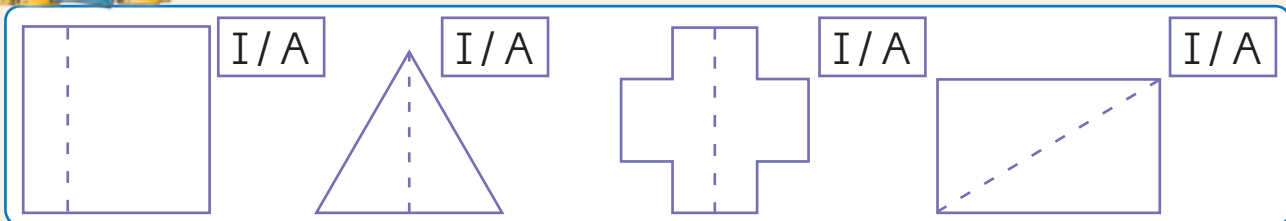
Ubujamo ngabunye bunayo isimethri lokha nawugoba phakathi bewuhlanganise iphepha ukuze ingcenyi zombili zilingane.



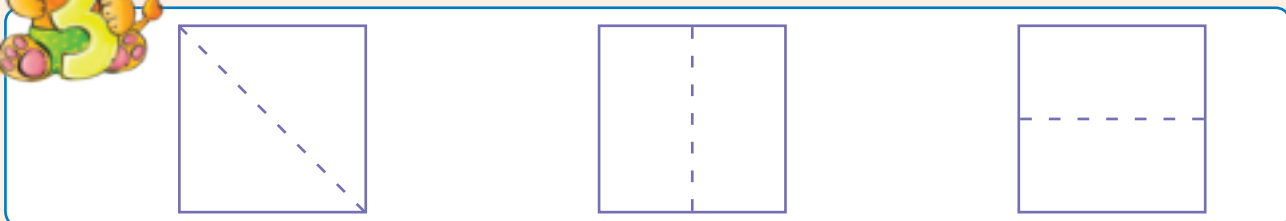
Gwala umuda olinganisa nca zoke ejameni ngalinye.

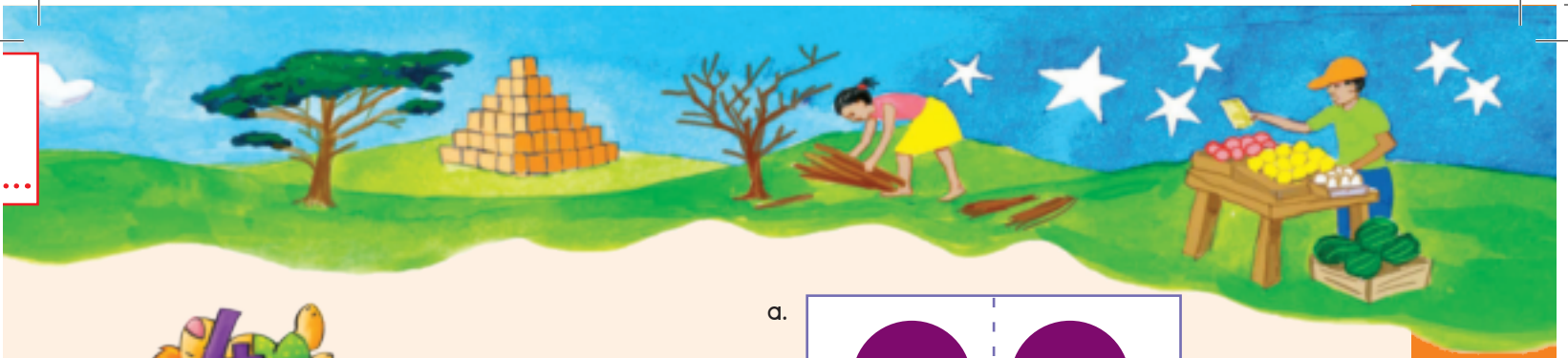


Ingabe umuda omacaphaza mumuda owenza kobana kulingane nca zoke? Ndulungela (Iye) nawuvumako namkha (Awa) nawulandulako.



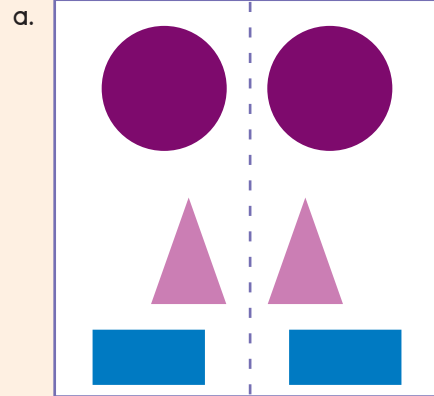
Ingabe lowo mumuda olinganisa nca zoke? Kungani utjho njalo?



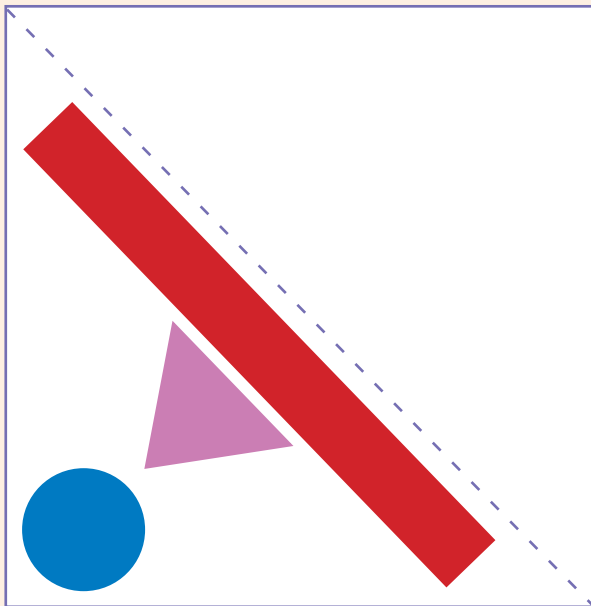


Gwala amajamo ukwenza isithombe silingane nca zoke.

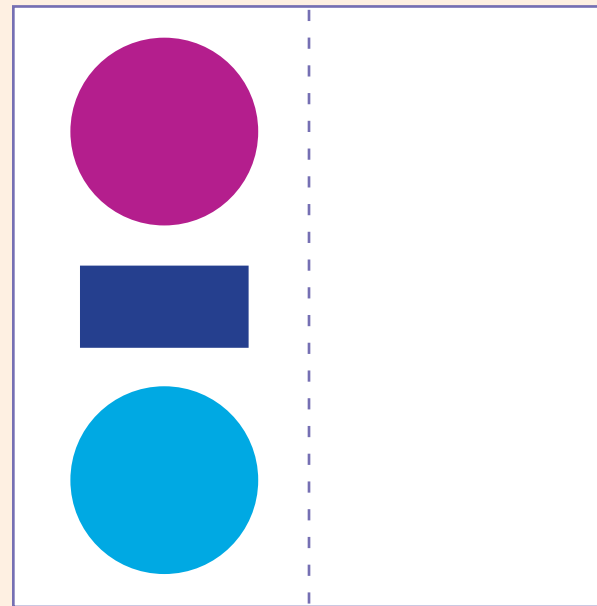
Sewenzelwe isibonelo.



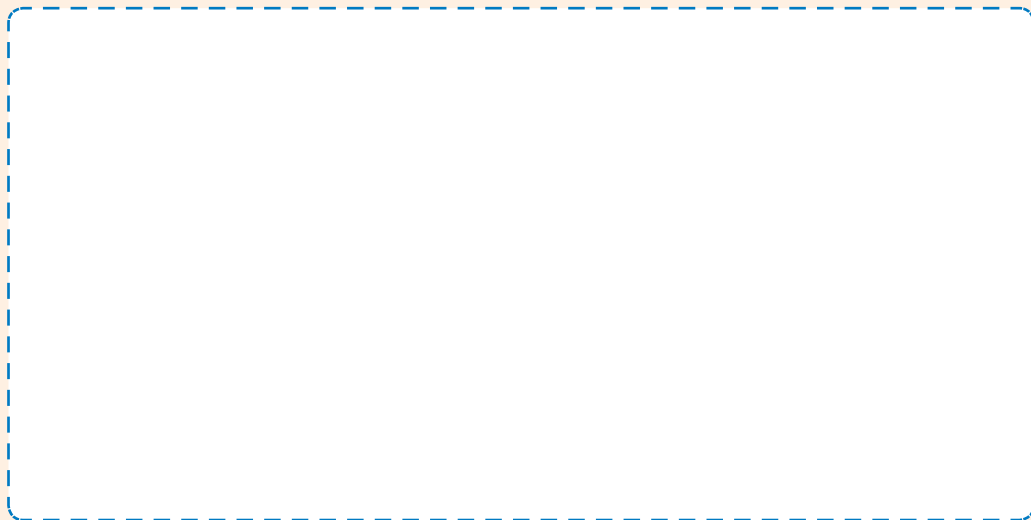
b.



c.



Zenzele wakho umuda olingana nca zoke usebenzisa amajamo.



11 12 13 14 15 16 17 18 19 20

49

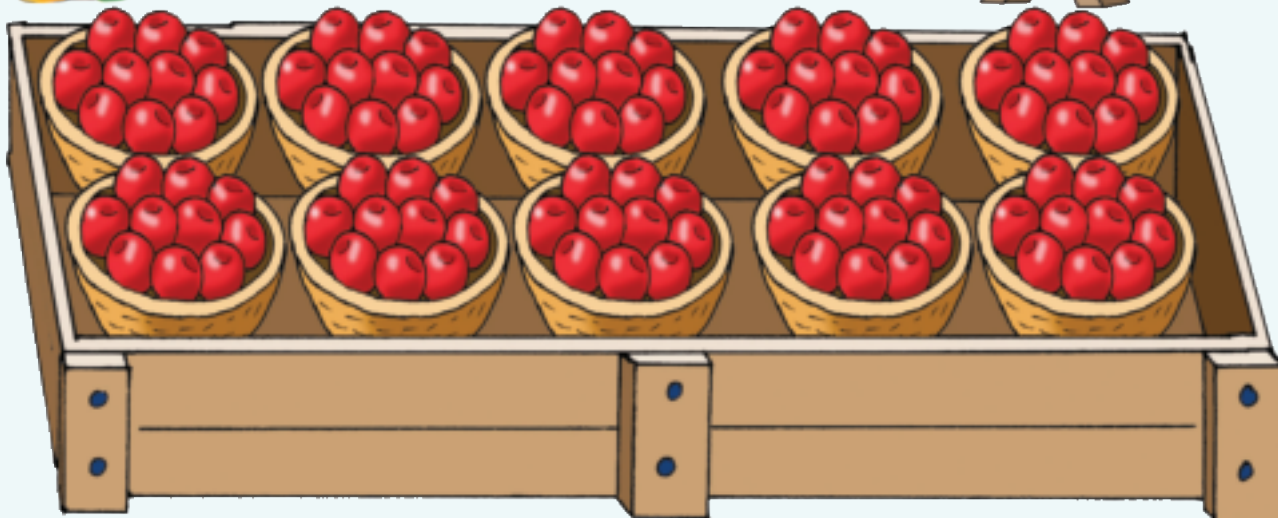
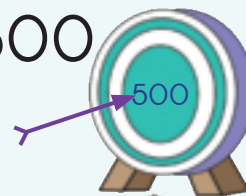
Ilanga:

Ithemu 2



Ukwakha bewufike kuma-500

Bala ama-apula



Qedelela bewubuyebuyelele.

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

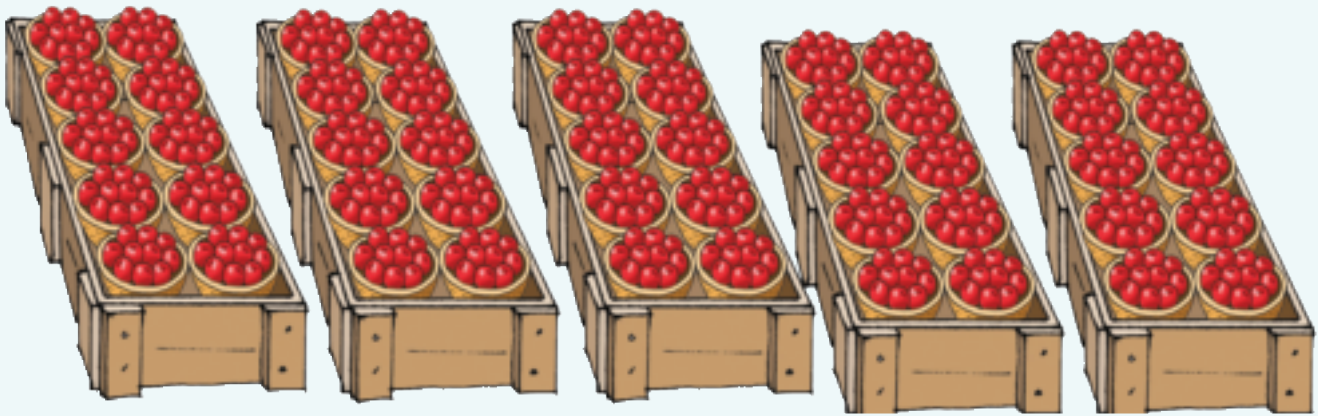


Kunama-apula ali-10 ngemantjini mu-l.

Kune _____ labomantji ngekhreyidini linye.

Kune _____ yama-apula ngekhreyidini linye.

Mangaki ama-apula alapho sekawoke? _____



Bala, utjengise bewutlola

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

300

40

5

Amakhreyidi ama-3  + abomantji aba-4  + yama-apula 5 
= 345 yama-apula

Amakhreyidi ama-4  + abomantji aba-5  + yama-apula 7 
= _____ yama-apula

Amakhreyidi ama-5  + abomantji aba-2  + yama-apula 3 
= _____ yama-apula

Amakhreyidi ama-4  + abomantji aba-7  + yama-apula 2 
= _____ yama-apula



11 12 13 14 15 16 17 18 19 20

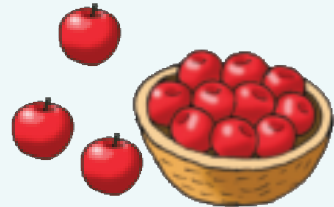
Ukubuyabuyelela kanye nokwehlukanisa (ngokuli -10)



Ukubala ama-apula.

Zalisa ithebula.

Bangaki abomantji abafaka ama-apula?

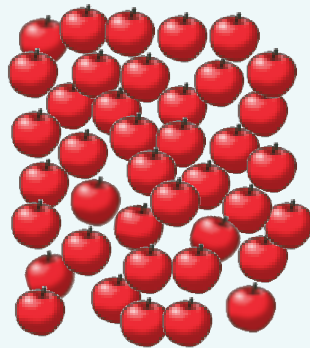


Ama-apula 	10	20	30	40	50
Iimantji 	1	2			
÷ isibalo					$50 \div 10 = 5$
× isibalo					$5 \times 10 = 50$



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

a.

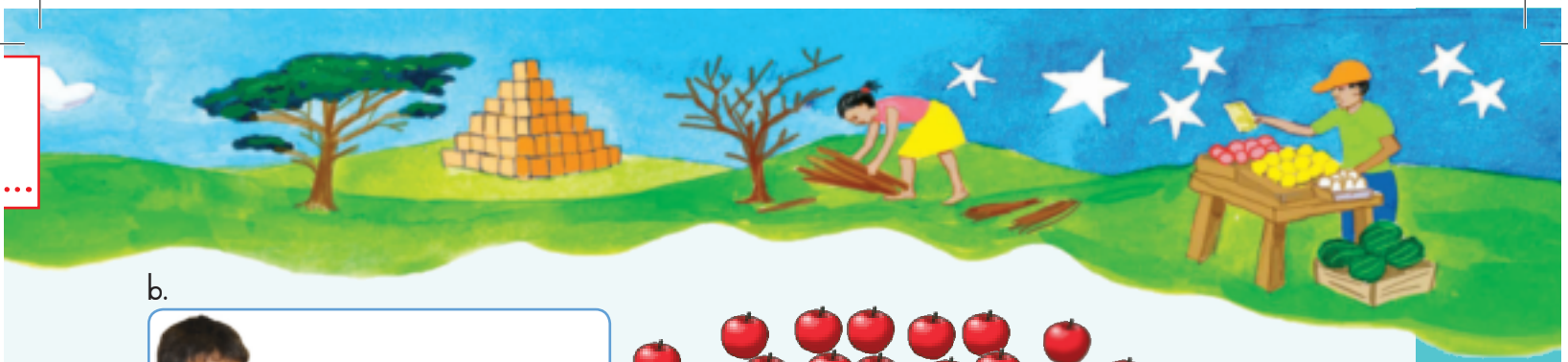


Tjhega ipendula.

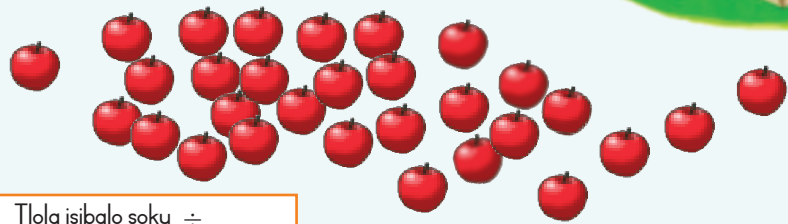
$$\square \div \square = \square$$

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





b.



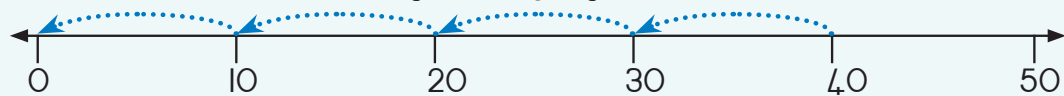
Tlola isibalo soku $\div$



Tlola isibalo soku $\times$ ukuze
uhlolisise iimpendulo zakho.



Sebenzisa iinomboro ukuzenzela yakho imitjho yeenomboro.



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

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



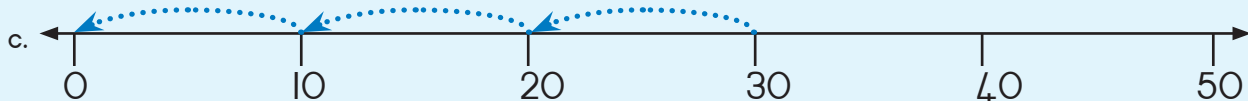
$\div$

$\times$



$\div$

$\times$



$\div$

$\times$



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

____, 460, ____

____, 390, ____

____, 500, ____

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20



Ukubala ngaku-2

Ukubala uye phambili ngaku-2 bewubuyele emuva.

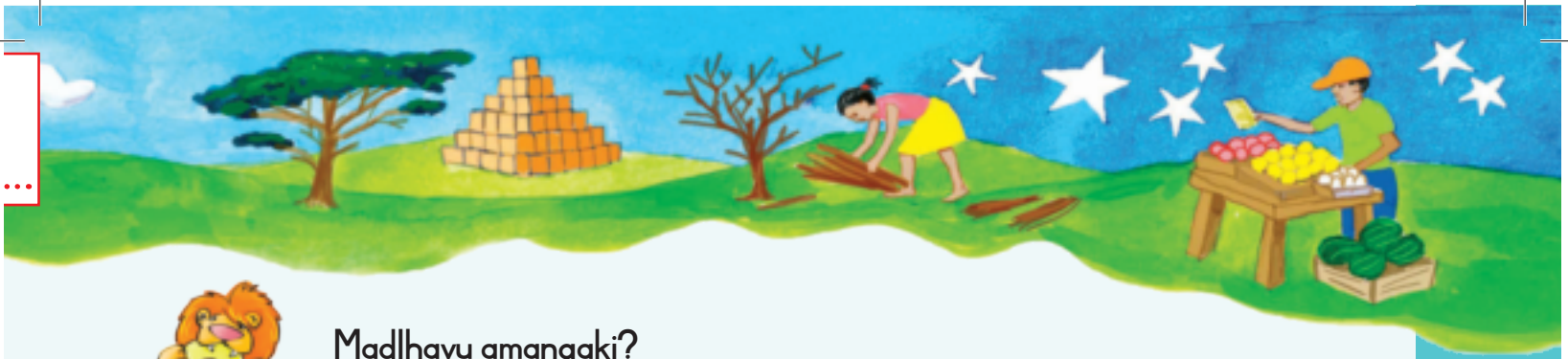
- a. 232; 234; _____; _____; _____; 242; _____; _____; 248
- b. 500; _____; 496; _____; _____; 490; _____; _____; _____
- c. 460; _____; _____; 400; _____; 360; _____; _____; _____
- d. 341; _____; 361; _____; _____; 391; _____; 411; _____; _____



Ipara yamadlhavu



- a. Ziimpara ezingaki zamadlhavu emudeni munye? _____
- b. Mangaki amadlhavu ngalinye emudeni munye? _____
- c. Mimida emingaki? _____
- d. Madlhavu amangaki nasele awoke? _____
- e. Tjengisa kobana uyisebenze kunjani.
- f. Tlola ipendulwakho njengomutjho weenomboro.
 _____ $\times$ _____ = _____



Madlhavu amangaki?

Tlola amatheyibula.

a.

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

b.

Amaglavu	20	21	70	73
Iimpara ezingenziwa				
Amadlhavu angalinye aseleko				



Bala ngaku-2

a. Ngijiphi inomboro eba hlangana nawubala ngakubili?

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

b. Tlola iinomboro ezimbili ezilandelako.

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

c. Tlola iinomboro ezimbili ezilandelako.

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



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20



Ukuhlela isivande

UKkz. Mabena unamathayilesi amahle.

Uwasebenzisela ukupheyiva indawo esesivandeni sakhe.

Kunamathayilesi ama-6 asikwere wobukhulu obulinganako.

Ngizowabeka njani?



Ngingenza umuda
mu-1 ngamathayilesi
asi-6.



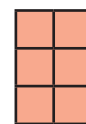
$$6 \times 1 = 6$$

Ngingenza imida emi-2
ngamathayilesi ama-3
emudeni.



$$3 \times 2 = 6$$

Ngingenza imida emi-3
ngamathayilesi ama-2
emudeni ngamunye.

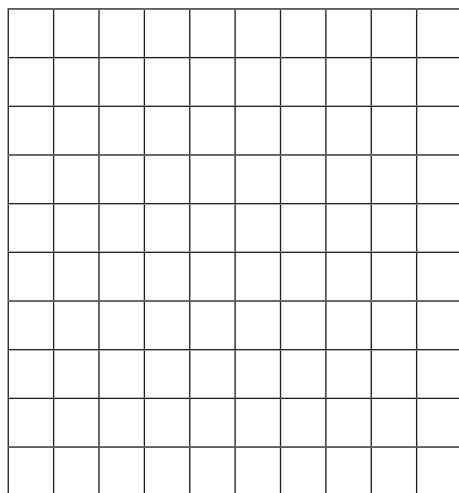


$$2 \times 3 = 6$$

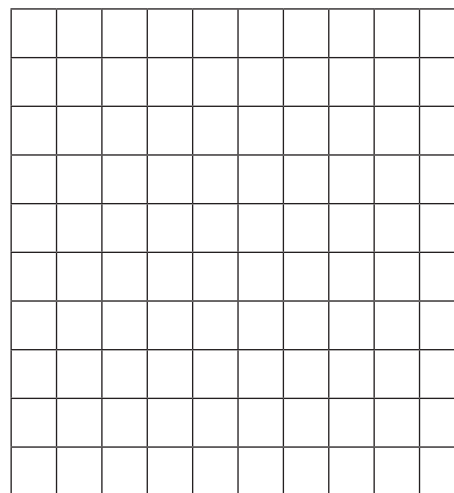
Kwanjesi lidlhego lakho!

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

iinkwere ezi-8



iinkwere ezili-9



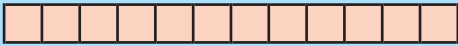
Tlola iinomboro zemitjho emdwebeni ngamunye.



Hlela amathayilesi ali-12

UThabo unamathayilesi ali-12 asikwere ukupheyiva ngaphandle komthathlana wakhe. Msize athole iindlela angenza ngazo.

Tlola inomboro yomitjho wendlela ngayinye.

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



Hlela amathayilesi ama-24

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



Ngingabuyabuyelela!

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

Teacher:
Sign:
Date:

Usebenzise abokuhlano



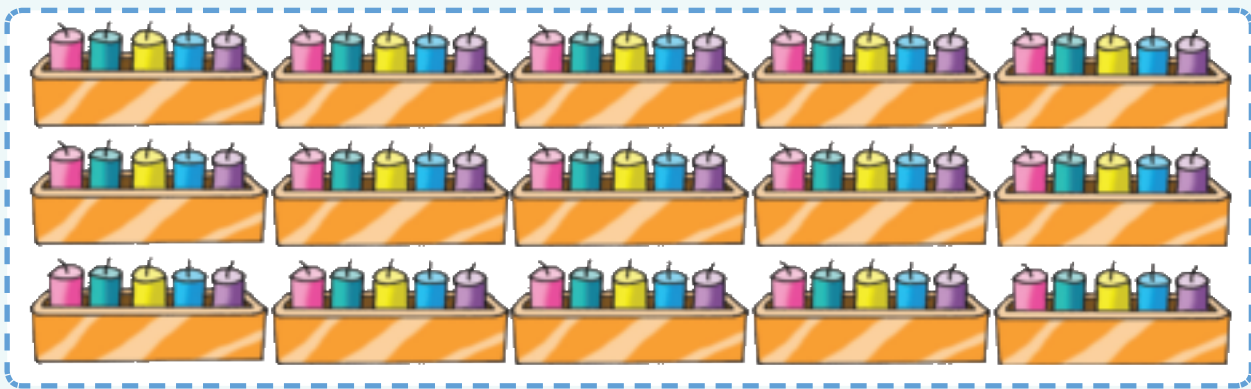
Yazi ku-5 kwakho

Zalisa iimpendulo.

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



Bala amakerese



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



Tjengisa ipendulo

Thika (✓) inomboro yomuthjo etjengisa ithothali yamakerese

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

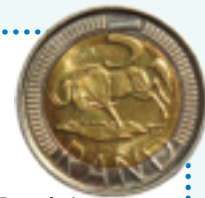


Bala uye phambili nemva ngaku-5

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



Buthelela ama-R5 wesimbi



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

R5 ÷ 5 = 1 yekhoyini	R10 ÷ 5 = 2 yamakhoyini	R15? ____	R20? ____	R25? ____
R30? ____	R35? ____	R40? ____	R45? ____	R50? ____

$2 \times R5 =$

R

$4 \times R5 =$

R

Uyayibona iphetheni?

$6 \times R5 =$

R

$8 \times R5 =$

R



Buyabuyelela ngaku-5

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

Cabanga kuhle! Yakha ngamaphuzu owaziko!

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



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Ilanga:

Ilanga:

Ukusebenza ngesikhathi

Dweba/gwala iinkhathi

Siquntu ngemva kwele-5	Yikotara ngaphambi kwele-tjhum nalinje	Yikotara ngemva kweletjhum nambili-12	12:45	6:15	4:30

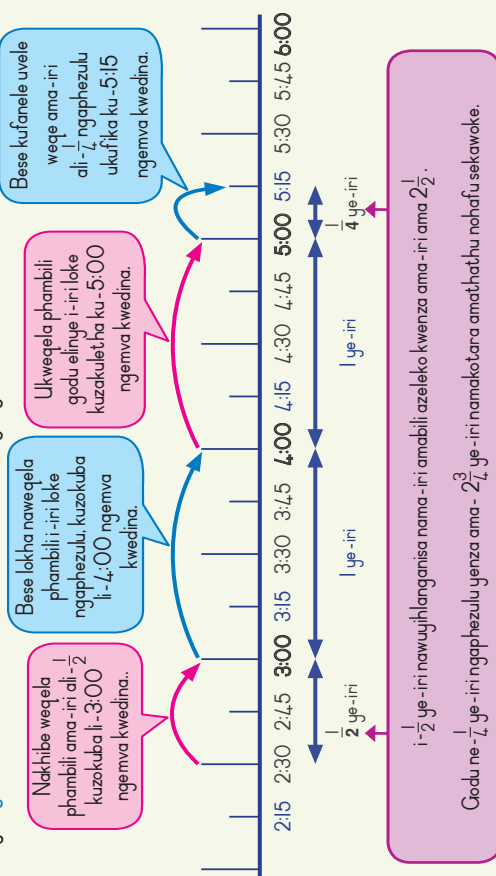


Umraro wesikhathi

Umma kaNomso usuka ekhaya nge-2:30 ngemva kwedina.

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

Singasebenzisa umda wesikhathi ukuyisebenza. Beka umuno wakho ku-2:30, isikhathi ekungiso kwanjesi.



Imiraro yesikhathi

Hlolisa Madanisa, Lungisa.

Sombulula umraro ngamunye. Sebenzisa imida yesikhathi ukukusiza.

a. UQueenie uvakethela uyise etliniga nge-15:45

ngemva kwedina. Usuka nge-17:15.

Uvakethjhe isikhathi esingangani?



b. UMusa uya ephageni nge-10:45.

Ubuya ekhaya nge-12:30.

Ukhambe isikhathi esingangani?



c. UTumi uthoma ukufunda nge-13:15.

Uqeda nge-14:45.

Ingabe uTumi ufunde isikhathi esingangani?

Teacher:
Sign:
Date:

Ilanga:

55

Bala ngaku - 3 nangaku - 4

Iimpoto ezinimilenze emi - 3



Hlanganisa bese utlola ipendulo.



- Ziimpoto ezingakhi erejini? _____
- Milenze emingaki erejini? _____
- Mareji amangaki weempoto? _____
- Milenze emingaki nasele iyoke? Tjengisa kobana uyisebenze njani ipendulo.

Tshwaya (✓) ngiziphi iinomboro zemitho ezingaphasi ezitjengisa ithothali.

$$21 \times 7 = \square \quad 3 \times 7 \times 3 = \square \quad 3 \times 4 \times 2 = \square \quad 21 \times 3 = \square$$

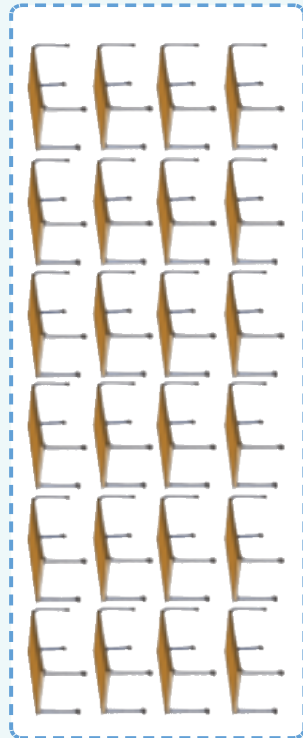


Milenze emingaki?

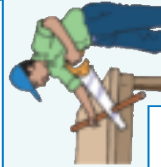
Cabanga masingyana.
Cabanga kuhle.

Ipoti yi-1	3 imilenze	Iimpoto ezili-10	imilenze	Iimpoto ezi-5	imilenze
Iimpoto ezi-2	imilenze	Iimpoto ezili-15	imilenze	Iimpoto ezili-12	imilenze
Iimpoto ezi-5	imilenze	Iimpoto ezili-13	imilenze	Iimpoto ezili-14	imilenze

Imilenze yetafula



- Matafula amangaki erejini? _____
- Milenze emingaki erejini? _____
- Mareji amangaki wamatafula? _____
- Imilenze mingaki nasele iyoke? Tjengisa kobana uyisebenze bunjani.



Efemini

Umbazi wenza amatafula. Uthoma ngokwenza imilenze.

Bekube nje sele enze ama-48. Angenza amatafula amangaki?

Ingabe usathloga imilenze emingaki ukwenza enye itafula?



Qedelela igridi ngokuzalisa iimpendulo

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



Teacher: _____
Sign: _____
Date: _____

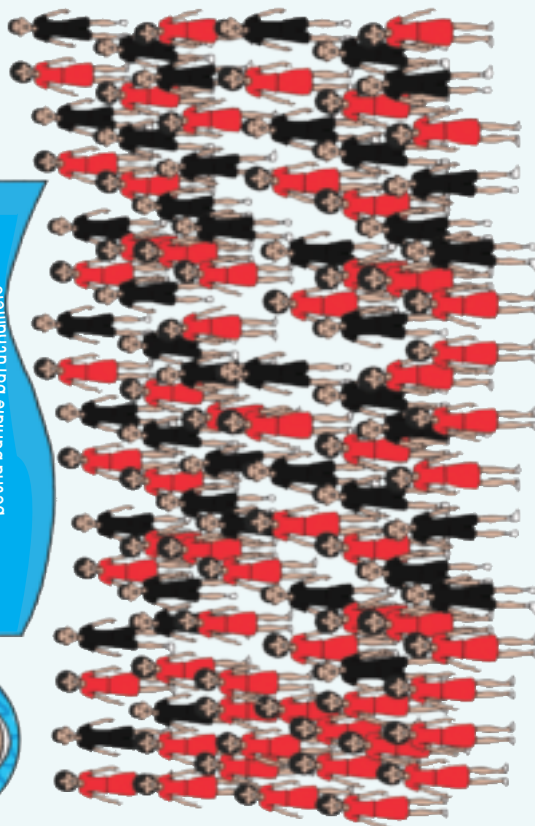
Ukubala ngama-50

Umntwana muncye, ingubo yinye!

Bangaki abentwana? Linganisa, bese uyabala.



Ngubo yethemba
Bulunga abentwana
bethu bahlale bafuthumele



Boke abentwana abasesithombeni bafumana iingubo.

Bangaki abentwana abalapho? _____

Linganisa	Bala	Madanisa
Bungaki ubuso obuthabileko 😊 babesana? _____ Bungaki ubuso obuthabileko 😊 babentazana? _____		

Babhadela ini?



UGwazi



uthenga zi-2

Ubhadela

R

UKiz Chakane



uthenga zi-5



Ubhadela

R



Iisitolo saka Thembu

Ubhadela

R



sithenga ama-20

Nikela nje!
I-R50
yengubo yi-1



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

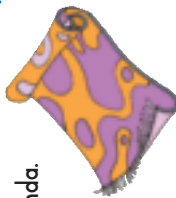


Kuzokuthatha isikhathi esingangani? Sebenzisa ikhalenda.

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

Babuthela i-R5 ngelanga amdlanga ama-5 ngeveke.

Batlhaga iimeke ezingaki ukutshi babuthhelele imali yeengubo?



Teacher:
Sign:
Date:

Ilanga:

57

Amacezu: dbohafu kanye namakota



Yehlukanisa ufake iimbhola ngemabhokisini amabili ngokulingana.

--	--

- | | |
|--|--|
| <ul style="list-style-type: none"> Zingaki iimbhola ngebhokisini elinye neliye? Zingaki iimbhola ezingebhokisini eliphephuli? Iimbhola ezingebhokisini eliphephuli lenza cezu bani? | <ul style="list-style-type: none"> Zingaki iimbhola ngakelinye neliye bhokisi? Zingaki iimbhola ngebhokisini eliphephuli? Iimbhola ezingebhokisini eliphephuli lilicezu bani? |
|--|--|



Qala isithombe ngasinye bese uphendula imibuzo.

Udale iiyingi ezingaki? Iyini i-$\frac{1}{2}$ yeeyingi? Iyini i-$\frac{2}{4}$ yeeyingi? Iyini i-$\frac{3}{4}$ yeeyingi? Iyini i-$\frac{4}{4}$ yeeyingi?	Udale iiyingi ezingaki? Iyini i-$\frac{1}{2}$ yeeyingi? Iyini i-$\frac{2}{4}$ yeeyingi? Iyini i-$\frac{3}{4}$ yeeyingi? Iyini i-$\frac{4}{4}$ yeeyingi?

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



Faka umbala i- $\frac{1}{4}$ yejamo.

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

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

Qala umtletlana wamacezu



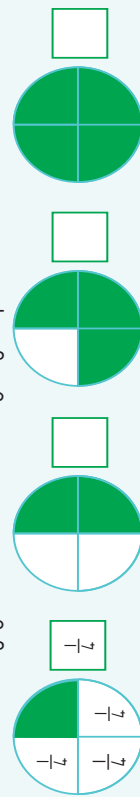
a. Bangaki dbohafu ($\frac{1}{2}$) abenza okukodwa okupheleleko?

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

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

--	--	--

b. Qala amadayagramu bese utlola izezu lengenye efiphaziweko.



c. Ngiliphi izezu elikhulu, i- $\frac{1}{2}$ nanyana $\frac{1}{4}$

--



Teacher: _____
Sign: _____
Date: _____

Amacezu: abohafu, kunye kokuthathu kanye nokukodwa kokwesithandathu

Yehlukanisa amakotikoti (amasilinda) ngokulinganako uwafake ngemdbhoksini.

Inani leembhola: • Zingaki imbholo ngebhoksini elinombala ophephuli? • Licezu bani elingaphakathi kwabhoksi eliphephuli ngombala?	12 6 $\frac{1}{2}$	

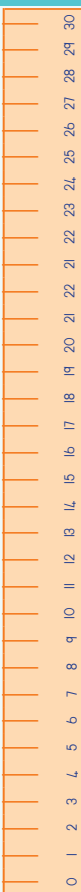
Qala iintombe bese uphendula imibuzo.

Udale iyingi ezingaki?	Yini i- $\frac{1}{3}$ yeejingi?	Yini i- $\frac{1}{6}$ yeejingi?
Yini i- $\frac{1}{2}$ yeejingi?	Yini i- $\frac{2}{3}$ yeejingi?	Yini i- $\frac{2}{6}$ yeejingi?
	Yini i- $\frac{3}{6}$ yeejingi?	Yini i- $\frac{4}{6}$ yeejingi?
	Yini i- $\frac{5}{6}$ yeejingi?	Yini i- $\frac{6}{6}$ yeejingi?

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

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

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



- Tjengisa ihafu eruleni. Lokhu kulingana nama - cm ____.
- Tjengisa ingcenywe eyodwa yokusithathu yerula. Lokhu kulingana nama - cm ____
- Tjengisa ingcenywe eyodwa yokusithandathu yerula. Lokhu kulingana nama - cm ____

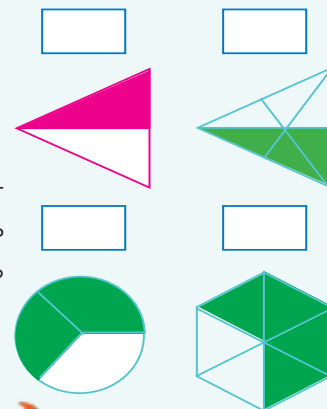
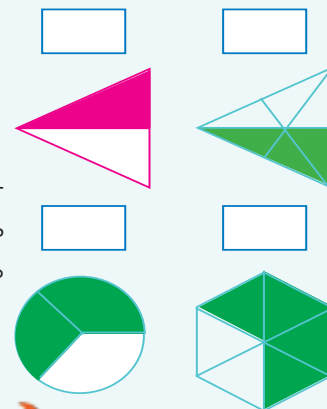


Qala umtletlana wamacezu. Qadelela imitjho.

Oku - I okupheleleko					
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

- Kunamhafu ama - ____ kokupheleleko okukodwa.
- Kunokukodwa kokwesithathu oku - ____ kokupheleleko okukodwa.
- Kunokukodwa kokwesithandathu oku - ____ kokupheleleko okukodwa.
- Kunokukodwa kokwesithandathu oku - ____ kuhafu eyodwa.
- Kunokukodwa kokwesithandathu oku - ____ kokukodwa kwesithathu.

Tlola izezu lengcenywe efiphaziweko.



Ndulungela ingcenywe ekulu yecazu.

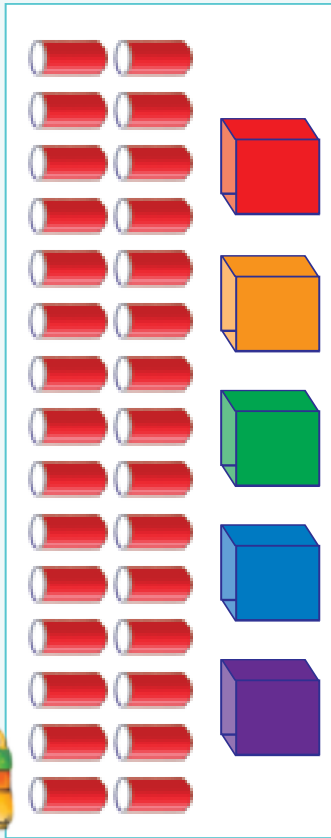
- a. $\frac{1}{2}$ $\frac{1}{3}$
- b. $\frac{1}{2}$ $\frac{1}{6}$
- c. $\frac{1}{2}$ $\frac{2}{6}$



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Amacezu: Kunye kokuhlanu

Yehlukanisa ufake amakatukoti ngemabhokisini.



- Ngengcenyeni eji- $\frac{1}{5}$ yebhoksi; kunamakutukoti asi- 6
- Ngengcenyeni eji- $\frac{2}{5}$ yebhoksi; kunamakutukoti asi-
- Ngengcenyeni eji- $\frac{3}{5}$ yebhoksi; kunamakutukoti asi-
- Ngengcenyeni eji- $\frac{4}{5}$ yebhoksi; kunamakutukoti asi-
- Ngengcenyeni eji- $\frac{5}{5}$ yebhoksi; kunamakutukoti asi-



Qala isithombe bese uphendula imibuzo.

Mangaki amatjhokoleli ngebhokisini?

- Okukodwa kokuhlanu yetjhokoleli ilingana na-
- Okubili kokuhlanu yetjhokoleli ilingana na-
- Okuthathu kokuhlanu yetjhokoleli ilingana na-
- Okune kokuhlanu yetjhokoleli ilingana na-
- Okuhlanu kokuhlanu yetjhokoleli ilingana na-
- Ngelanga elilodwa ngidla i- $\frac{1}{5}$ yamatjhokolele. Kusele amatjhokoleli angangani?
- Ngelanga ellandelelako ngidla i- $\frac{1}{5}$ yetjhokolele. Kusele itjhokoleli engangani?

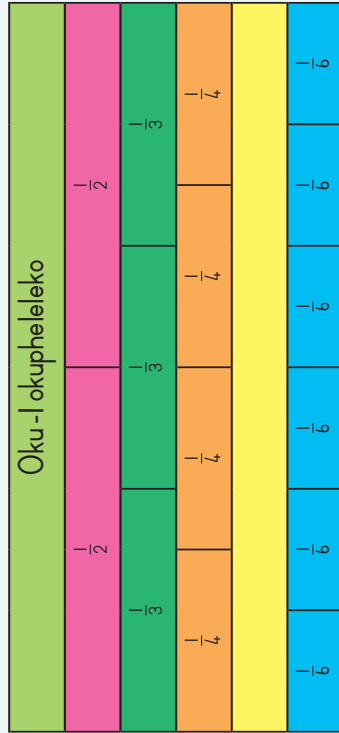


Faka umbala isisetjenziswa sokumeda, isilinganiso e- $\frac{1}{5}$.

a.



Qala umtletlana wamacezu bese uphendula imibuzo.



Ndulungela: okukhulu nanyana okuncani

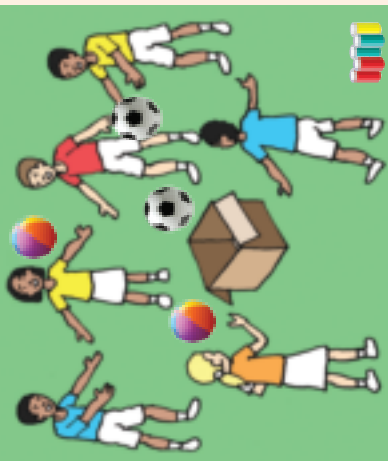
- i- $\frac{1}{2}$ yikulu/jincani kune $\frac{1}{4}$.
- i- $\frac{1}{3}$ yikulu/jincani kune $\frac{1}{2}$.
- i- $\frac{1}{5}$ yikulu/jincani kune $\frac{1}{6}$.
- i- $\frac{1}{6}$ yikulu/jincani kune $\frac{1}{3}$.
- i- $\frac{3}{5}$ yikulu/jincani kune $\frac{2}{5}$.



Teacher: _____
Sign: _____
Date: _____

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

Izinto ezima -3D

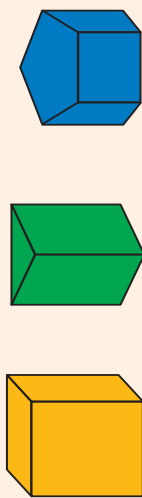


- Bala amabhoksi (amaphrizima) ☐
- Bala iimbhola (indulunga) ☐
- Bala amasilinda ☐

Lawa mabhoksi

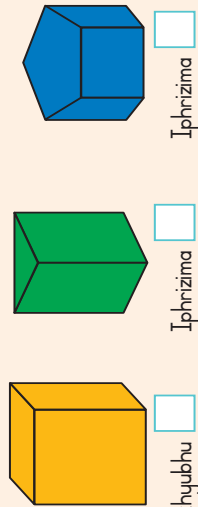


Sebenzisa usika we-3 newe-4 ukwenza lokhu.



Ingenye enye nenye yawo esipara yaziwa ngobuso. Namathisela ubuso obubodwa obuhlekako ngakelinye nelinye ihlangathi lebhoksi.

Uhamathisele ebusweni abungaki?



Ikhubhu ☐ Iphrizima ☐ Iphrizima ☐

Ingabe ubuso iphrizima busipara nanyana bugijikeleza?

Kwanjesi yenza isilinda ngosika - 4

Ingabe ubuso besilinda busipara nanyana bugijikeleza.



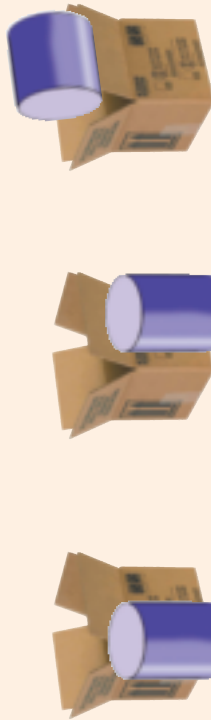
Sebenzisa izinto zakho ukwakha okulandelelo:

Hlathulula kobana isilinda ikujiphi indawo usebenzisa amagama.

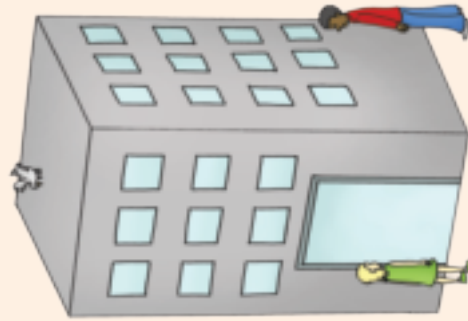
Ihlangathi elilodwa

Ngaphambili

Ngaphezulu



Sebenzisa amagama angenzasi ukuqedelela imitjho.



Umntazana uqale _____ lomakhiwo.

Indoda iqale _____ lomakhiwo.

Iinyoni ziqale _____ lomakhiwo.

Ilingeqadi

Ilingaphezulu

Ilingaphezu

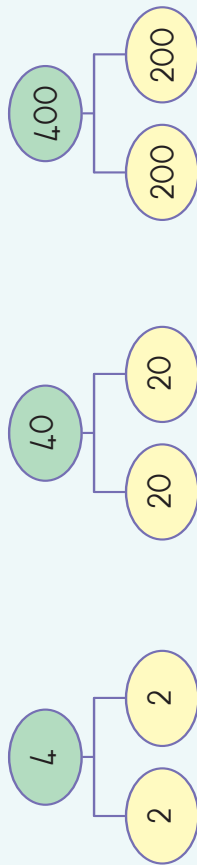




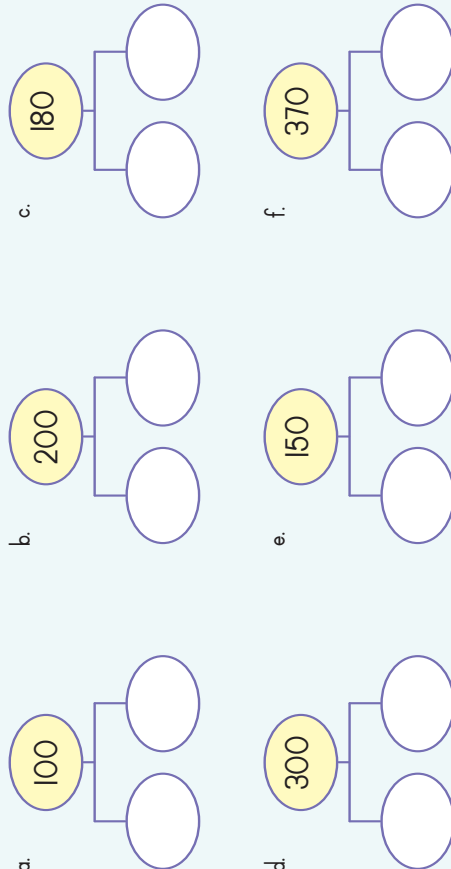
Ukubuyelela kabili nokuhafula

Ingabe usakhumbula u-2 yihafu yaka-4 u-4 kulokha nakubuyelelwe u-2 kabili
20 yihafu yaka-40 u-40 kulokha nakubuyelelwe u-20
200 yihafu yaka-400 u-400 kulokha nakubuyelelwe u-200

Singakutjengisa lokhu ngomgwalo...



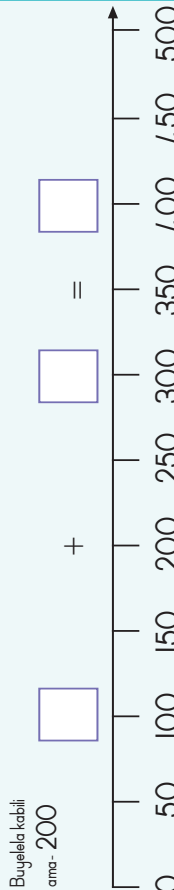
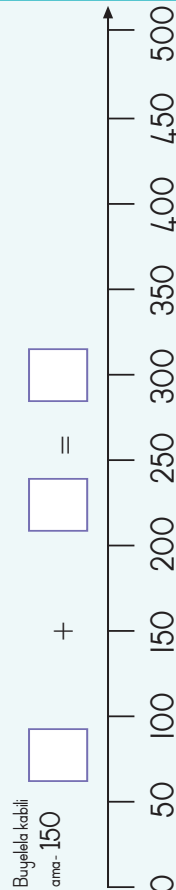
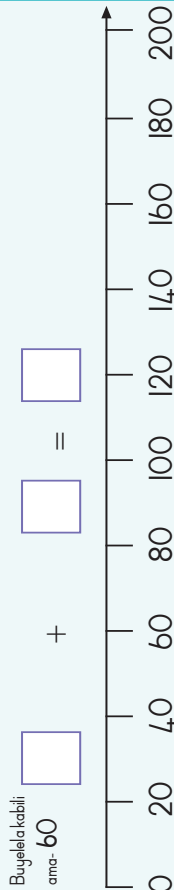
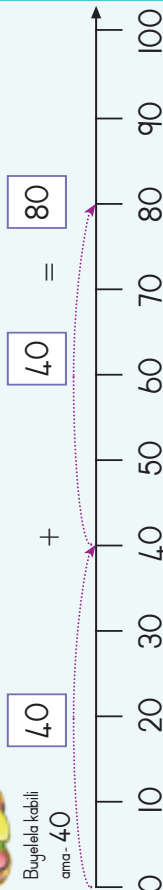
Ukuthola abohafu



1 2 3 4 5 6 7 8 9 10



Buyelela kabili inomboro usebenzisa inambalayini.
Wenzelwe isibonelo. Isibonelo:



Qedelela okulandelelako

a. Buyelela kabili u-100	200
b. Buyelela kabili u-150	
c. Buyelela kabili u-120	
d. Buyelela kabili u-200	
e. Buyelela kabili u-170	

Qedelela okulandelelako

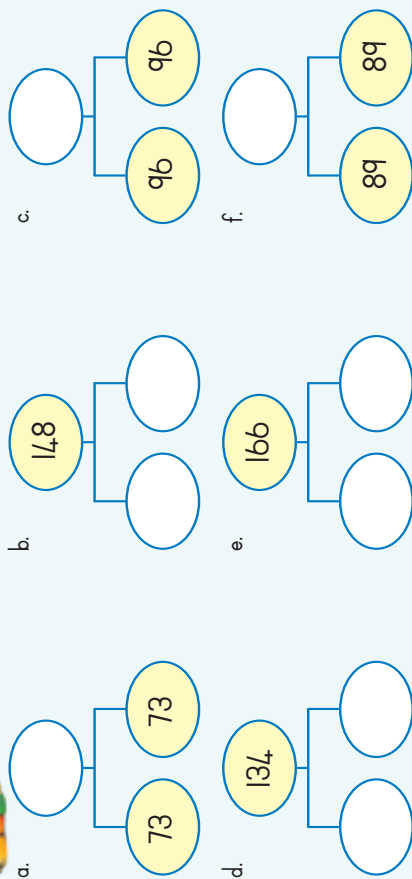
a. Hafula u-220	110
b. Hafula u-180	
c. Hafula u-260	
d. Hafula u-60	
e. Hafula u-320	



11 12 13 14 15 16 17 18 19 20

Okhanye ukubuyelela kabili nokuhafula

Fumana okubuyelelwe kabili namkha abohafu



Bulungela ibhayisigili

UPeter ubulunga i-R25 ngeveke kobana athenge ibhayisigili. Kufanele abulunge iimveke ezingaki?

Ipendulo:

iimveke

Zehlisiwe

Zake izinto ziyathengiswa ngenani eliyihafu.

Tlola iprejisi yokuthengisa ngeqadi kwenye nenye into.

a. Ingubo R190 Inani lokuthengisa _____	b. Amalageni R154 Inani lokuthengisa _____
c. Imisamelo R54 Inani lokuthengisa _____	d. Intulo R220 Inani lokuthengisa _____

Yehlile R450

Ngehafu lenani: gade

iji - R900

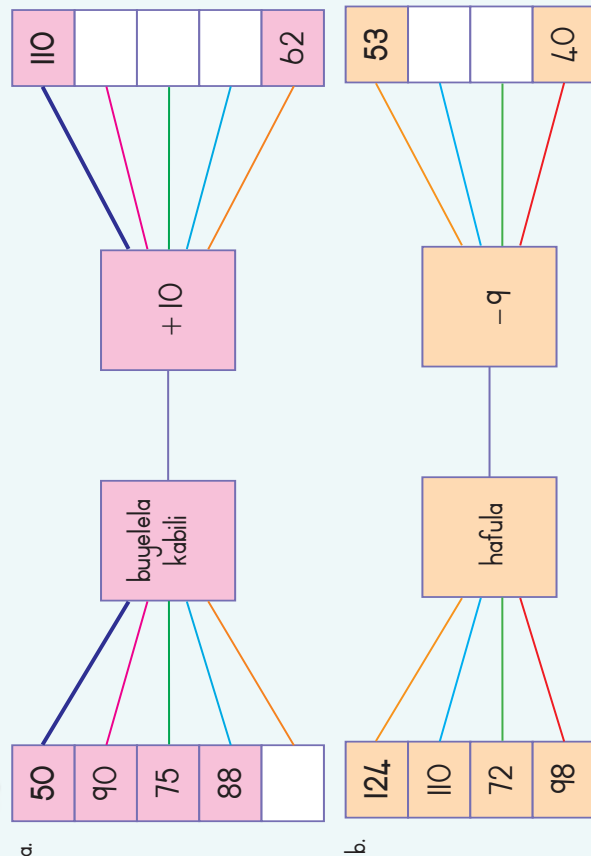


Maranda amangaki?

R135	UMusa ufuna irhembe. Unemali eyihafu kwaphela. Ingabe usatlhayela ngamlini? R _____
R78.50	Amanyathelo kaPeter abiza ngokubuyelelwe kabili ukudlula lokhu. Amanyathelo kaPeter abiza malini? R _____
R97	Irogo lakaPhindi libiza kabili ngentengo ngaphezulu yalokhu. Irogo lakaPhindi libiza malini? R _____

Ngikuphi okungena ngaphakathi? Ngikuphi okuphumela ngaphandle?

Landela isibonelo. Zalisa iinomboro ezitlhayelako.



Ukuhlela ngokweenqhema

nokuhlanganisa

Hlela abentwana ngokweenqhema

UKkz. Ndaba ufuna ukwehlukana itilasi ngobukhulu obulinganako beenqhema ulungiselela imidlalo yangaphandle. Kokuthoma uhlela abentwana ngeenqhema zangaba-4.

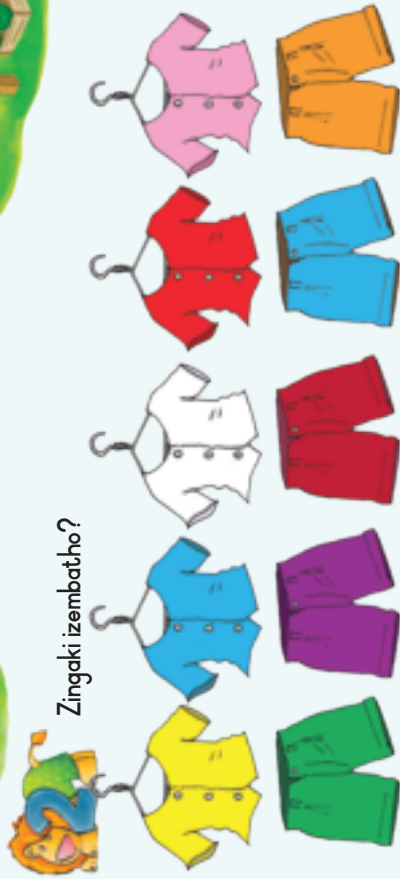


- Bala abentwana
- Wenza iqhema ezingaki?
- Tjengisa zoke ezinye iindlela uKkz. Ndaba angazisebenzisa ukuhlela abentwana ngeenqhema?

Tjhega. Madanisa.
Lungisa.

Ilanga:

Zingaki izembatho?



UPhindi uneenrhembhe ezi-5 ezinombala begodu namabhruyu amafijhani anombala ama-5. Zizembatho ezingaki ezhlukileko akghona ukuzenza asebenzisa ihlanganisela ehlukileko yembala?

Isibonelo: Irhembhe ehlaza kwesibhakabhaka/ibhruyu elifijhani elihlaza kwesibhakabhaka. Irhembhe ehlaza kwesibhakabhaka/amabhruyu amafijhani a-orontji.

Tlala iledere lokuthoma lombala ngamunye. Tjengisa zoke ezinye izembatho ezingenzeka.

Funisela: Kungaba njani nakhibe uPhindi uneminye imibala esi-6 ehlukileko yeenrhembhe namabhruyu amafijhani?

Angakghona ukwenza izembatho ezingaki?

Tjhega. Madanisa.
Lungisa.

Teacher:

Sign:

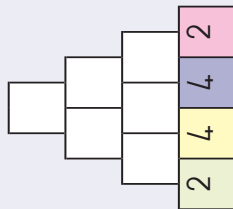
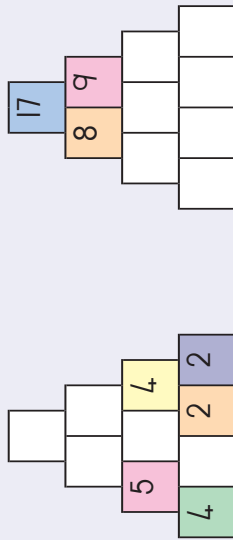
Date:

Ukuzithokozisa ngezibalo

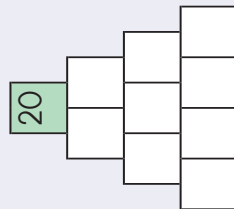
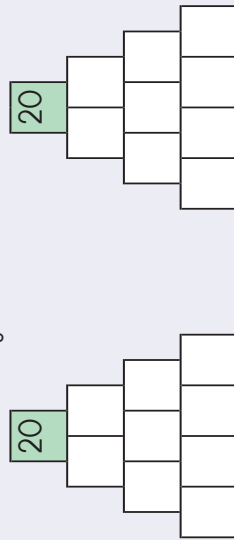
Qala umthetho

Sebenzisa umthetho ukufunyanisa inomboro ezithayelako.

Kwanje yenza lokhu.



Yakha ufike ema-20 ngeendlela ezahlukenekile.



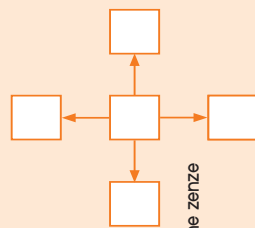
Iselele

Akhe ucabange

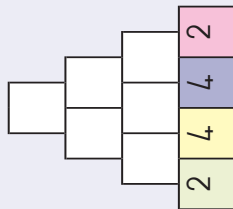
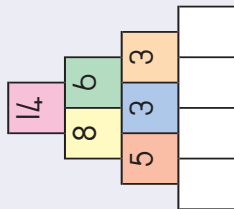
Sebenzisa inomboro-1, 2, 3, 4, naku-5.

Inomboro ezi-3 erejini ngajinye kufanele zihlangane zenze i-10.

Umthetho: Sebenzisa inomboro eyodwa kanye kwaphela.



Ilanga:



Fumanani inomboro

a. Umthetho: Inomboro erejini ngalinye kufanele zihlanganiswe ukufika e-16.

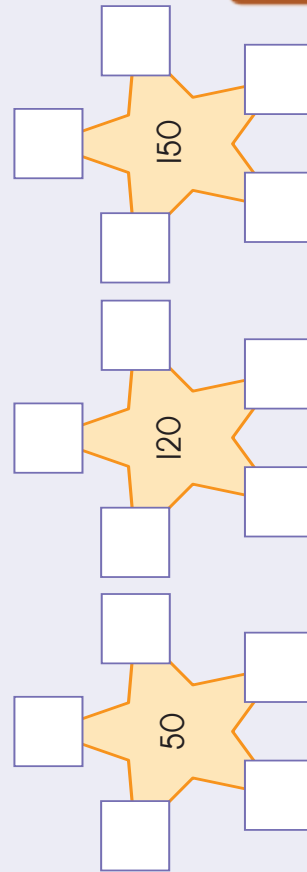
2	5	3	6
			2
		2	

b. Umthetho: Inomboro ezi-3, ezivundla emarejini naziya phasi ngamakhohomu, zihlanganiswe ithothali efanako.

2	7	6
9		1
	3	8

23	28	21
12		26
		10

c. Umthetho: Tolani ezinye nezinye inomboro ezi-5 ezihlanganiswe ukufika enomborweni ephakathi ngaphakathi kwekwekwezi.





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

