

Ukufunda ngomthethosisekelo waseNingizimu Afrika (1996)

Umthethosisekelo waseNingizimu Afrika (1996) uqukethe imithetho ephakeme kunayo yonke yezwe. Le mithetho ingaphezulu kukaMongameli, ingaphezulu kwezinkantolo futhi ingaphezulu kukaHulumeni.

Uchaza indlela okufanele abantu baphathane ngayo ezweni labo, nokuthi ayini amalungelo abo nemisebenzi yabo komunye nomunye. Umthethosisekelo wezwe wenzelwe ukuthi usivikele thina sonke kanye nekusasa lezingane zethu.

Masiyazi imvelaphi yethu.

Masingawaphindi amaphutha enzeka enkathini eyedlule.

Umthethosisekelo uyasisiza ukuba sibe nesithombe futhi sakhe ikusasa elingcono lethu sonke.

Thina, Bantu baseNingizimu Afrika –

Siyakukhumbula ukucekela phansi kwamalungelo okwenzeka eminyakeni eyadlula;

Sibungaza labo abahluphekela ubulungiswa nenkululeko kulo mhlaba wethu;

Sihlonipha labo abasebenzele ukwakha nokuthuthukisa izwe lethu;

Futhi sikholelwa ekuthini iNingizimu Afrika ingeyabo bonke abahlala kuyo, sibumbene nakuba singefani.

Ngakho-ke, ngabameleli bethu esibakhethe ngokukhululeka, samukela lo

Mthethosisekelo njengomthetho-ngqangi wezwe lethu, ukuze—

Silungise ukwehlukana kwesikhathi esedlule bese sakha umphakathi owesekelwe yinkolelo yenqubo yentando yeningi, ubulungiswa emphakathini, kanye namalungelo obuntu;

Sibeke isesekelo sokwakha umphakathi oqhuba ngendlela yentando yeningi; futhi ovulekile, lapho uHulumeni akhelwe khona phezu kwentando yabantu futhi lapho zonke izakhamuzi zivikelwe ngumthetho ngendlela efanayo;

Sithuthukise izinga lokuphila lazo zonke izakhamuzi futhi sikhulule amakhono omuntu ngamunye; futhi—

Sakhe iNingizimu Afrika ebumbene futhi eqhuba ngenqubo yentando yeningi ekwazi ukuthatha indawo yayo efanele njengezwe elizimele emazweni ngamazwe.

Yazisa ilungelo lakho njengesakhamuzi saseNingizimu Afrika uzimisele ukuvikela amalungelo abanye.

Yazi Umqulu wamalunge kanye Nomqulu wezinto ezidinga ukwenziwa.

Sengathi uNkulunkulu angabavikela abantu bakithi.

Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.

God seën Suid-Afrika. God bless South Africa.

Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.

ISBN 978-1-431500-07-9



MATHEMATICS IN ISIZULU
GRADE 3 – BOOK 1
TERMS 1 & 2
ISBN 978-1-431500-07-9
THIS BOOK MAY NOT BE SOLD.
15th Edition



IZIBALO NGESIZULU – IBanga lesi-3 Incwadi yoku-1

ISBN 978-1-431500-07-9

Ibuyekeziwe
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Igama:

Iklasi:



basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

IZIBALO NGESIZULU

Incwadi
yoku-1
Ithemu 1 & 2

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UNkk Angie Motshekga,
uNgqongqoshe weMfundo
Eyisisekelo.



UDkt Reginah Mhaule, iSekela
loMnyango weMfundo
Eyisisekelo.

Lezi zincwadi zokusebenzela zenzelwe abantwana baseNingizimu Afrika ngaphansi kwesandla sikaNgqongqoshe weMfundo Eyisisekelo, uNkk Angie Motshekga, neSekela likaNgqongqoshe weMfundo eyiSesekelo, uDkt Reginah Mhaule.

Lezi zincwadi ezibizwa ngeRainbow Workbooks ziyingxenywe yoMnyango weMfundo eyiSesekelo lapho uMnyango uzama khona ukungenelela ukuze kuthuthukiswe imfundo yabantwana bamabanga asuka kwelokuqala kuya kwelesithupha eNingizimu Afrika. UMnyango weZimali uxhase lo mkhankaso kaHulumeni njengento yokuqala uHulumeni azibekela yona ukuthi ayisukumele. Uxhaso loMnyango weZimali lusize uMnyango wezeMfundo ukuthi ukwazi ukukhiqiza uphinde usabalalise ngaphandle kwenkokhelo lezi zincwadi zokusebenzela ngazo zonke izilimi zaseNingizimu Afrika ezisemthethweni.

Sinethemba lokuthi othisha bazozithanda basebenze kangcono ngazo lezi zincwadi ekufundiseni kwabo kwansuku zonke, baphinde bathole futhi isiqiniseko sokuthi abafundi babo bafundiswa konke abamelwe ukufundiswa khona njengoba kuvela kusilabhasi yabo. Sizamile ukuqiniseka ukuthi sifaka izithonjana (ama-icon) emisebenzini yokwenziwa ukuze uthisha akuthole kulula ukuyilandela nokuqonda ukuthi umfundi yini alindeleke ukuyenza.

Sinethemba futhi lokuthi abantwana uqobo lwabo bazokujabulela ukusebenzisa lezi zincwadi ekukhuleni kwabo bakhule nolwazi ezilukethe, bese kuthi wena njengothisha wabo uthokoze kanye nabo ekugcineni.

Sifisela wena nomfundi omfundisayo impumelelo ngenkathi usebenzisa lezi zincwadi.



Ibanga lesi-3



NGESIZULU

Le ncwadi ngeka-:



INTZISI

*Incwadi
yoku-*



Bala, uhlele bese ukhombisa



Zingaki izinkanyezi?

Qhathanisani izimpendulo



Linganisela ukuthi zingaki izinkanyezi. _____

Manje zibale. _____



Thola ophumelele.

Ngubani olinganisele kangcono?

Gcwalisa amagama nezimpendulo zakho kuleli thebhula.

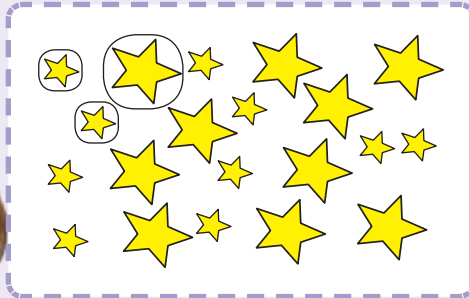
Igama lakho				
Linganisela				
Inani elitholakele kokubaliwe				
Umahluko phakathi kokulinganiselwe nokubalile				



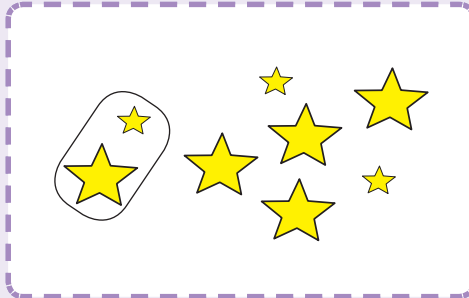
Izindlela zokubala. Masisizane sizibhale phansi:



Ngibale ngakunye.



1, 2, 3, _____



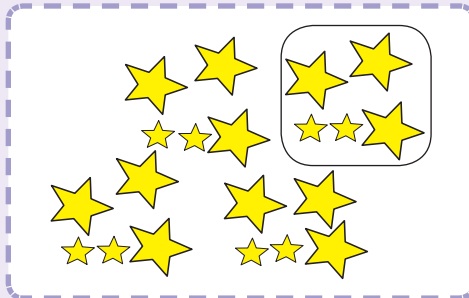
2, _____



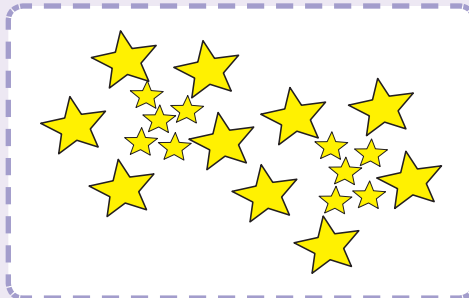
Ngibale ngakubili.



Ngibale ngakuhlanu.



5, _____





Ngibale ngamashumi.



Bhala imisho yezinombolo

Bala inani lezinkanyezi ezinkulu nezincane esithombeni esisekhasini lesi - 2. Zibhale ngezindlela ezimbili.

Ezinkulu Ezincane Kanje noma kanje



Kanye nangomusho wezinombolo.

_____ + _____ = _____ noma _____ + _____ = _____

Uma uhlanganisa izinombolo ezimbili akunandaba ukuthi zilandelana kanjani.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

2

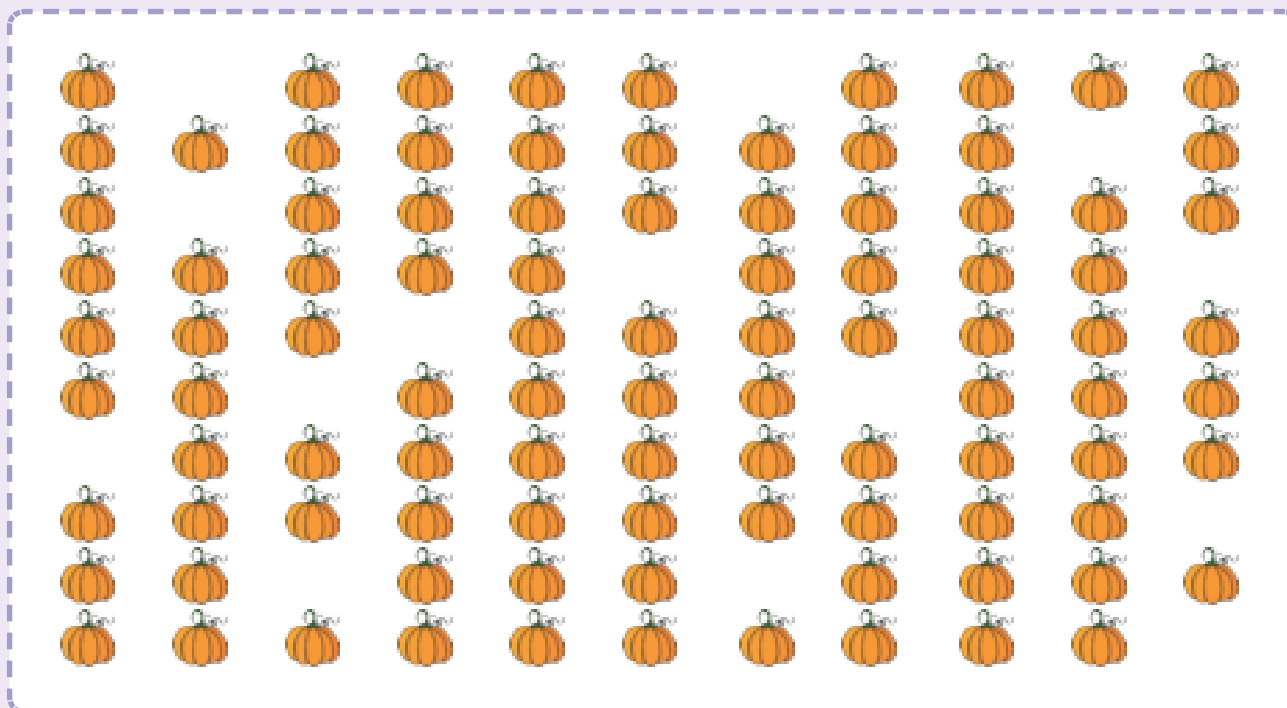
Usuku:

Ithemu I



Bala ngokuhlakanipha

Ukubala amathanga
Thola indlela elula yokuwabala.



Impendulo: _____



Ukufaka ndawonye amathanga

Ajishumi amathanga alingana esakeni elilodwa.



Zingaki izikhwama ozigcwalise ngamathanga? _____

Mangaki amathanga asele? _____

Mangaki amathanga adingekayo ukuze kugcware elinye isaka? _____



Kusukela koku- + kuya koku- $\times$ (Ukuhlenganisa okuholela ekuphindaphindeni)

Qedela umusho wezinombolo

Isibonelo:

$$10 + 10 + 10 + 10 = 40 \Rightarrow \text{amaqoqo ama-4 ezinto ezi-10} = 40 \Rightarrow 4 \times 10 = 40$$



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

$\underline{\hspace{2cm}}$ amaqoqo okuyi-10 = $\underline{\hspace{2cm}} \Rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$



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

$\underline{\hspace{2cm}}$ amaqoqo okuyi-10 = $\underline{\hspace{2cm}} \Rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$



Izandla neminwe



Zingaki izandla? $\underline{\hspace{2cm}}$

Mingaki iminwe? $\underline{\hspace{2cm}}$

Bhala impendulo ngezindlela ezimbili.

$\underline{\hspace{2cm}}$ amaqoqo okuyi-10 = $\underline{\hspace{2cm}}$ kanye $\underline{\hspace{2cm}} \times 10 = \underline{\hspace{2cm}}$



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

3a

Usuku:

Ithemu I



Izinombolo kugridi

Ukukhuluma ngezinombolo

Bala usho zonke izinombolo kusukela kweyoku-I kuya kweye-100.
Khomba ngesikhathi uqhubeka.

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



- Bhala inombolo engekho ebhokisini ngalinye eliluhlaza.
- Bhala ezinye izinombolo.
- Lezi eziphuzi ziluhlobo luni lwezinombolo?



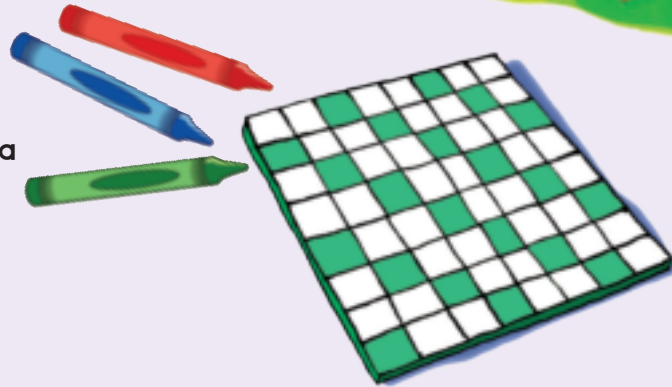
Bhala izinombolo ngamagama.

90	amashumi ayisishiyagalolunye	41	
77		56	
14		65	



Ukubala nokufaka umbala

Zilungiselele ukubala imibala!



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 bese ufaka umbala okungama-10.

Bala ngamashumi usuke e-10 uye e-100.

Bhala ama-10 usuke e-10 uye 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 bese ufaka umbala okungakuhlani kusukele e-0 uye e-100.

Bala ngakuhlani usuka koku-5 kuya e-100.

Bhala oku-5 usuke koku-5 uye 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 bese ufaka umbala o-2.

Bala ngakubili usuka koku-2 kuya e-100.

Bhala oku-2 usuke koku-2 uye e-100.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

3b

Usuku:

Izinombolo kugridi (kuyaqhutshwa)



Funa amaphethini. Sebenzisa imibala eyahlukene ukukhombisa amaphethini ehlukene.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Faka uphawu (✓)
ezinombolweni ezibala
nge-10.

Beka isiphambano (X)
ezinombolweni ezibala
ngaku-5.

Kokelezela (O)
ezinombolweni ezibala
ngaku-2.

Bhala izinombolo ezibala ngaku-2 nangaku-5.



Ukubala ngamaphethini

Faka izinombolo ezingekho.

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

Usuku:

4

Ubungako benombolo

Ithemu I



Khombisa izinombolo

Sika amakhadi ezinombolo kokusikwayo koku-I.
Sebenzisa amakhadi owasikile ukwakha lezi zinombolo.

19

43

69

54

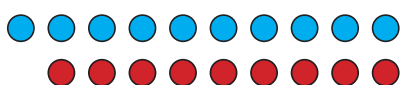
35

10

9



19

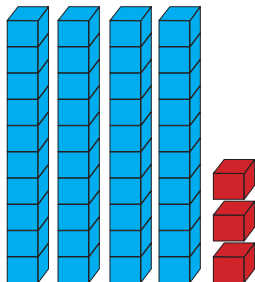


10

9

$$10 + 9 = 19$$

43



10

10

10

10

3

$$40 + 3 = 43$$

Zenzele wena lezi zinombolo usebenzise okusikwayo koku-I.

54

35

69



Bhala lezi zinombolo

Sikwenzele okokuqala.

19	$10 + 9$	Ishumi eli-1 + imivo eyi-9	yishumi nesishiyagalolunye
43			
69			
54			
35			
21			
73			
44			
32			
89			
17			
95			
56			
68			
67			



Bhala izinombolo kwezisethebhuleni elingenhla zilandelane zisukele kwencane kunazo zonke ziye kwenkulu kunazo zonke.

_____;

Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Ukuhlunganisa nokususa



Isitodlwana sikaLinda

Ekuseni uLinda unamaphakethe ayi-19 ama-aphula.

Emini usele namaphakethe ayi-13.



a. ULinda ngabe uthengise amaphakethe amangaki? _____

b. Bhala impendulo ibe wumusho wezinombolo.

_____ - _____ = _____

Bhala eminye imisho yezinombolo emihlanu ukukhombisa impendulo efanayo.

 $15 - 9 = 6$ _____

Ukuzejwayeza izinombolo

Bhala izimpendulo.

$1 + 2 = 3$

Sebenzisa ...

+ - =

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



Imindeni yezinombolo

5

9

14

Nazi izibonelo (zemindeni yezinombolo).

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



Ungayithola yonke imindeni enombolweni 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
okufanayo nge-12.

12

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



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

6

Usuku:

Ithemu I

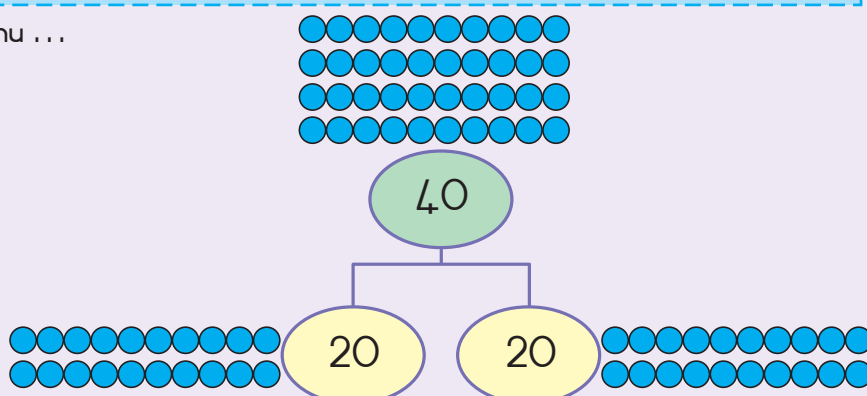
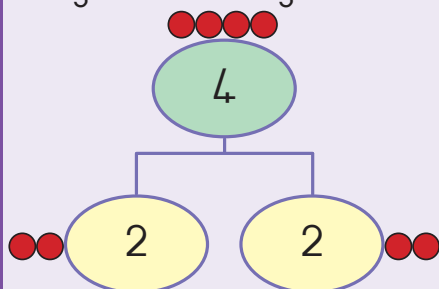
Okuphindwe kabili nawohhafu

Usakhumbula?

oku-2 uhhafu woku-4

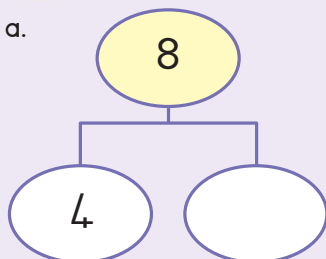
koku-4 uphinda kabili
oku-2kokungama-40 uphinda
kabili okungama-20

Singakukhombisa ngomdwebo lokhu ...

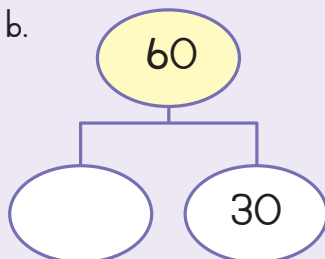


Ukuthola okuphindwe kabili noma okungohhafu

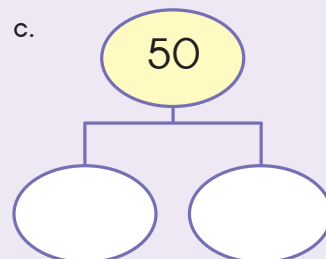
a.



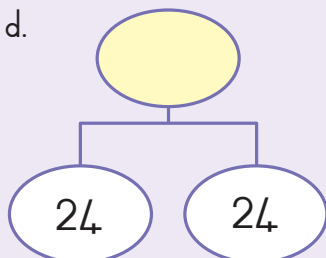
b.



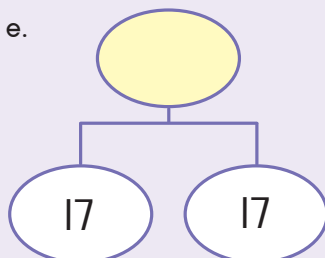
c.



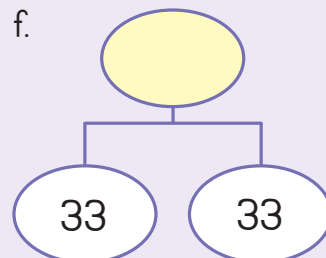
d.



e.



f.



Inselele

Thola uhhafu woku-3.

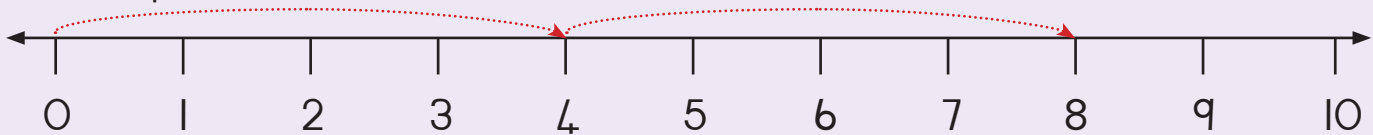
Kukhombise lokhu ngenombolo noma ngegama lenombolo.
Ungakusiza umdwebo.



Phinda kabili inombolo usebenzise umugqa wezinombolo.
Eyokuqala wenzelwe yona njengesibonelo.

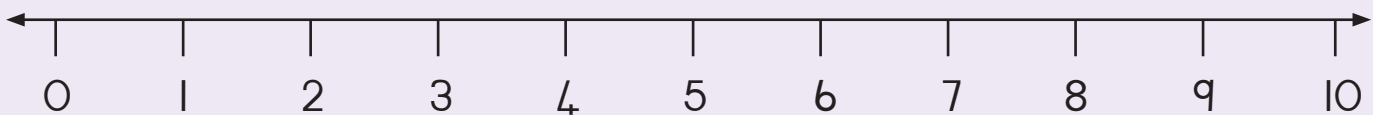
a. Phinda kabili
oku-4

$$\boxed{4} + \boxed{4} = \boxed{8}$$



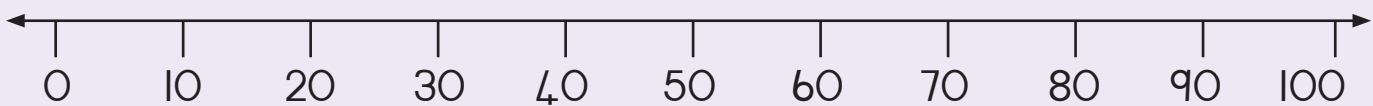
b. Phinda kabili
oku-5

$$\boxed{} + \boxed{} = \boxed{}$$



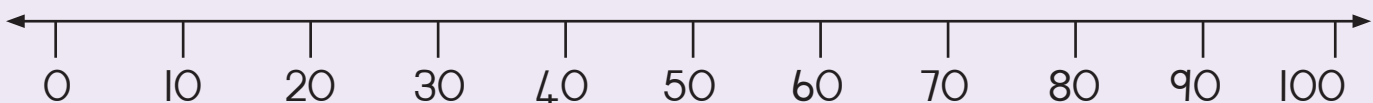
c. Phinda kabili
ama-20

$$\boxed{} + \boxed{} = \boxed{}$$



d. Phinda kabili
ama-40

$$\boxed{} + \boxed{} = \boxed{}$$



Qedela lokhu okulandelayo:

a. Phinda kabili oku-1	2
b. Phinda kabili okuyi-6	
c. Phinda kabili i-10	
d. Phinda kabili ama-30	
e. Phinda kabili ama-50	



Qedela lokhu okulandelayo:

a. Phinda kabili okuyi-6	3
b. Phinda kabili okuyi-8	
c. Phinda kabili okuyi-14	
d. Phinda kabili okungama-60	
e. Phinda kabili okungama-70	



Teacher:
Sign:
Date:

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Amaqhezu

Faka ikota elilodwa lebhali umbala obomvu, asele abe luhlaza sasibhakabhaka. Amanye uwafake umbala oluhlaza okotshani.

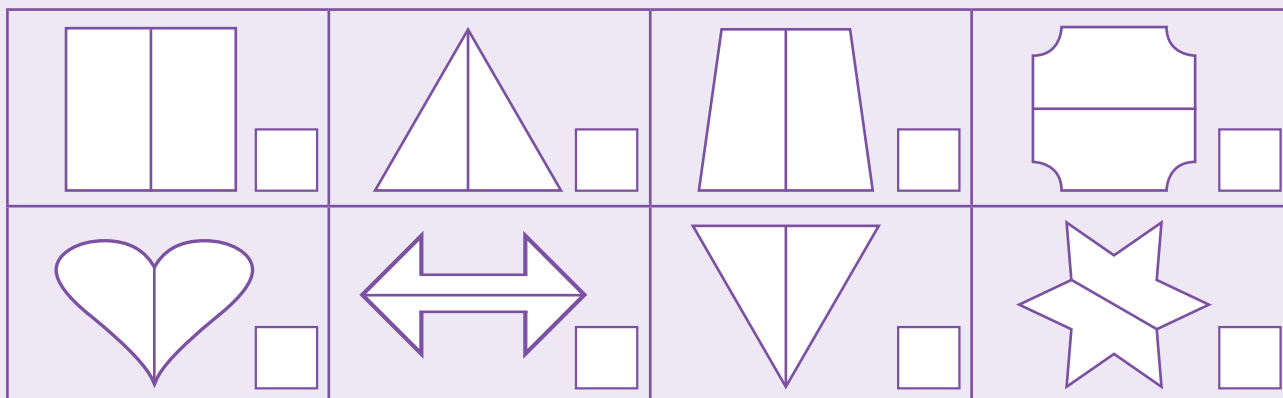
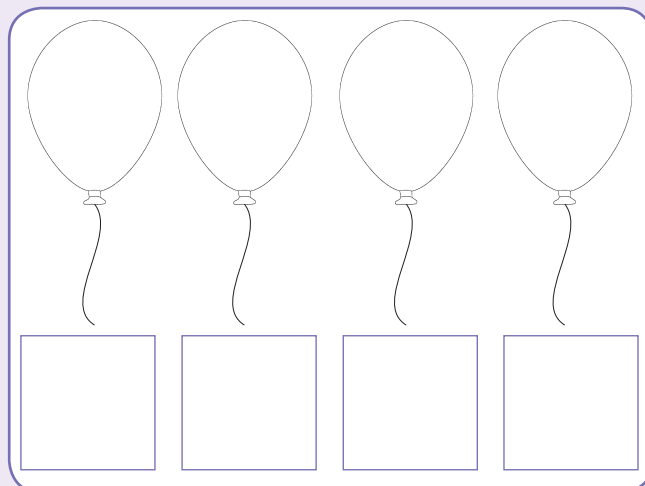
Faka umbala obomvu kuhhafu webhokisi ngalinye.

Buka izimo.

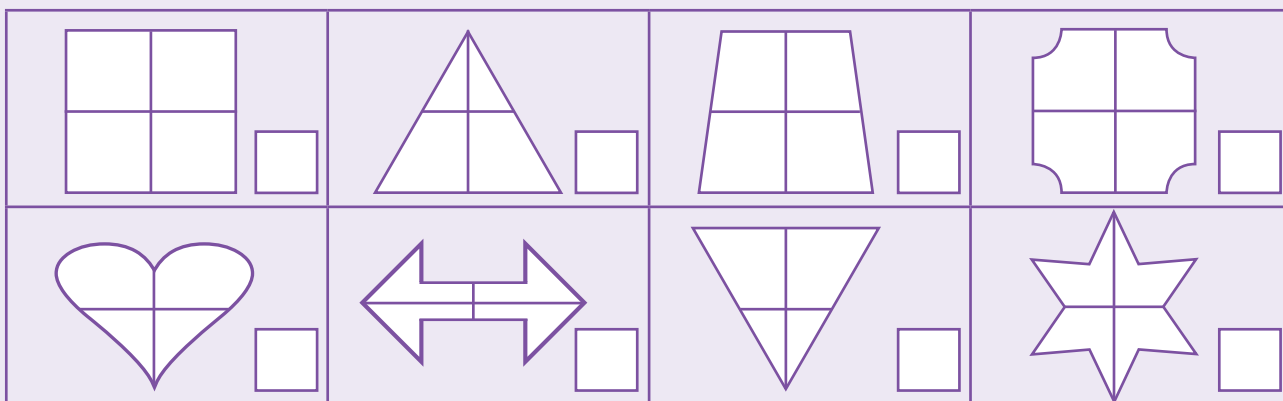
Buka izimo. Faka uphawu (✓) ezimweni ezikhombisa uhhafu.

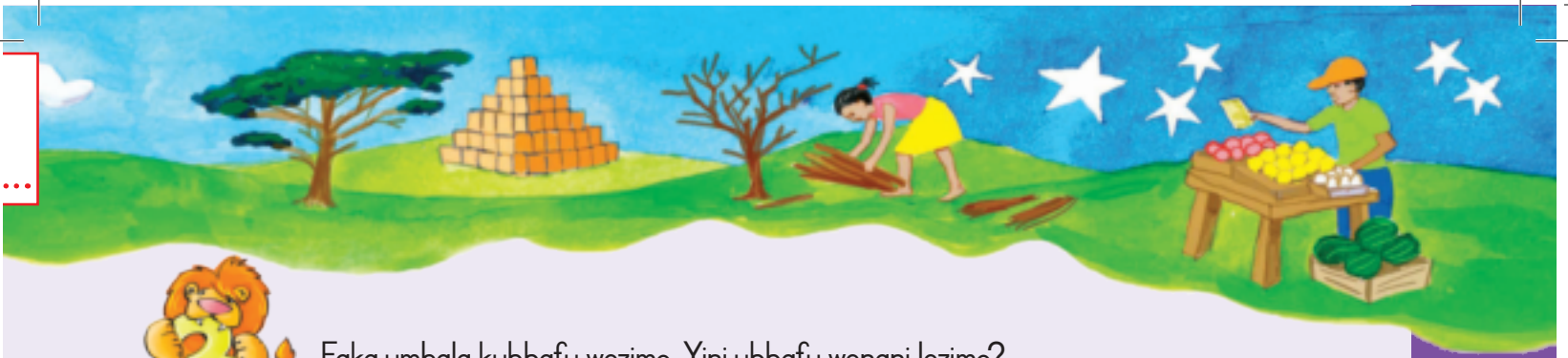


Faka umbala uhhafu ngamunye wesimo kulezo ezehlukaniswe zaba ngohhafu.



Buka izimo. Faka uphawu (✓) ezimweni ezikhombisa amakota. Faka umbala ikota elilodwa lezimo ezehlukaniswe zaba ngamakota alinganayo.





Faka umbala kuhhafu wezimo. Yini uhhafu wenani lezimo?



Faka umbala ikota lezimo. Yini ikota lenani lezimo?



Bhala iqhezu lalokhu: uhhafu

--

ikota

--



Dweba ezinye izimo ukwenza uhhafu ngamunye uphelele.

--	--	--	--



Dweba ezinye izimo ukwenza ikota ngalinye lilingane namanye.

--

--	--	--

--	--



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Ukuhlela imali



Esitokofeleni

UMaLubisi ubala aphinde ahlele imali yeqembu.



Linganisela isamba. R _____

Bala imali. R _____

Qhathanisa
ukulinganisela kanye
nesamba.



Ukonga imali

UGugu wongela izicathulo ezibiza ama-R89.

Kuze kube manje unohhafu wenani.

Udinga malini ngaphezulu?

Bhala umusho wezinombolo ukukhombisa impendulo.





Ebhange

UMariya uhlela amaphepha emali abe
yizingqaba zama-5.
Kukhona enye esele.
Bhala isamba semali esithombeni ngasinye.



Isamba	
	R _____
	R _____
	R _____



Inselele

Uhambo lwasezu

Abanye abantu abadala nezingane baya ezu.
Bathenga amathikithi ngama-R90.
Zingaki izingane? _____
Bangaki abadala? _____
Ikhona enye impendulo? _____
Izingane _____
Abadala _____



Teacher: _____
Sign: _____
Date: _____

q

Usuku:

Amaphethini

Ithemu I



Sebenzisa ibhodi lezinombolo ezingama-200 ukuphendula le mibuzo.

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 lezinombolo ezingama-200 ukuqedela izinombolo ezine ezilandelayo kula maphethini ezinombolo, bese ufaka umbala iphethini elivela ebhodini lezinombolo.

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



Bhala izinombolo ezilandelayo ephethinini ngalinye. Faka umbala ephethinini. Yini oyiphawulayo ngezinombolo ezinemibala efanayo?

Bala ngakuhlanu.

			5				10

Bala ngakubili.

2	4						

Bala ngakuthathu.

	3		6				

Bala ngamashumi.

								10



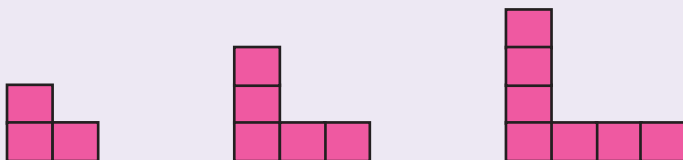
Qhuba iphethini.



--



--



--



Teacher:
Sign:
Date:

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10

Usuku:

Ithemu I

Amabhola, amabhokisi namasilinda



Kokelezela amabhokisi ngombala oluhlaza sasibhakabhaka, amabhola abe bomvu kuthi amasilinda abe luhlaza satshani.



Faka umbala empendulweni efanele.



Ibhokisi

liyashelela

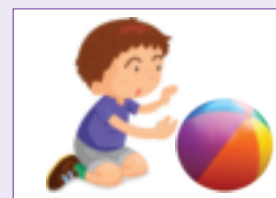
liyagingqika



Isilinda

liyashelela

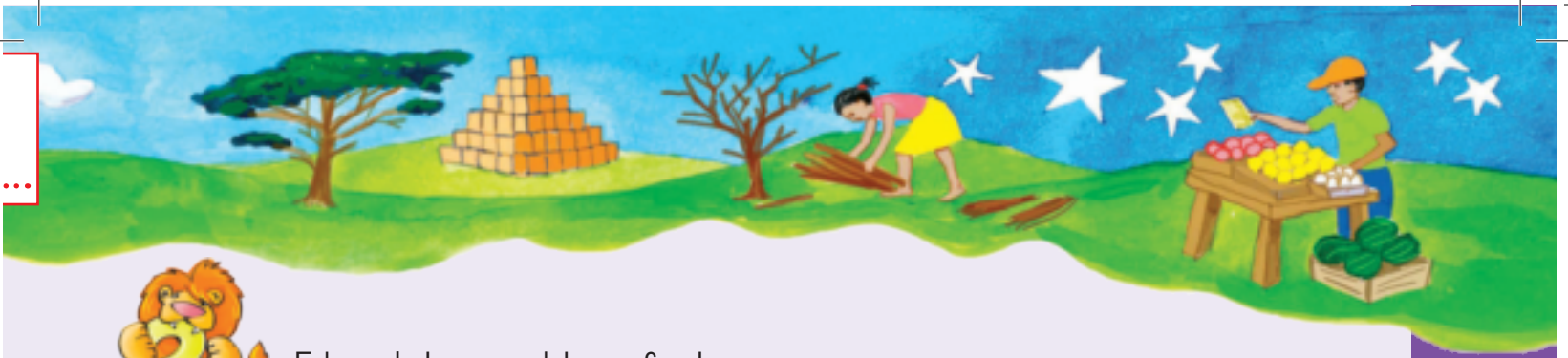
liyagingqika



Ibhola

liyashelela

liyagingqika



Faka umbala empendulweni efanele.



unqenqema olugobile
unqenqema oluqondile



unqenqema olugobile
unqenqema oluqondile



unqenqema olugobile
unqenqema oluqondile



unqenqema olugobile
unqenqema oluqondile



unqenqema olugobile
unqenqema oluqondile



unqenqema olugobile
unqenqema oluqondile



unqenqema olugobile
unqenqema oluqondile



unqenqema olugobile
unqenqema oluqondile



Yisho ukuthi ibhola lingemuva, lingaphambili, liseceleni noma lingaphezulu yini kwebhokisi.



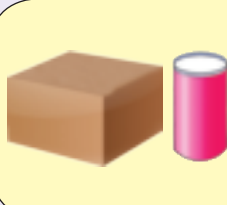
lingemuva	lingaphambili
liseceleni	lingaphezulu



lingemuva	lingaphambili
liseceleni	lingaphezulu



lingemuva	lingaphambili
liseceleni	lingaphezulu



lingemuva	lingaphambili
liseceleni	lingaphezulu

○

□

△

Teacher: _____

Sign: _____

Date: _____

Usuku:

Ithemu I



Dweba izinto ezinhlangothimbili uziqambe
amagama, bese uyaziqhathanisa

Dweba izimo

Unxantathu

Indilinga

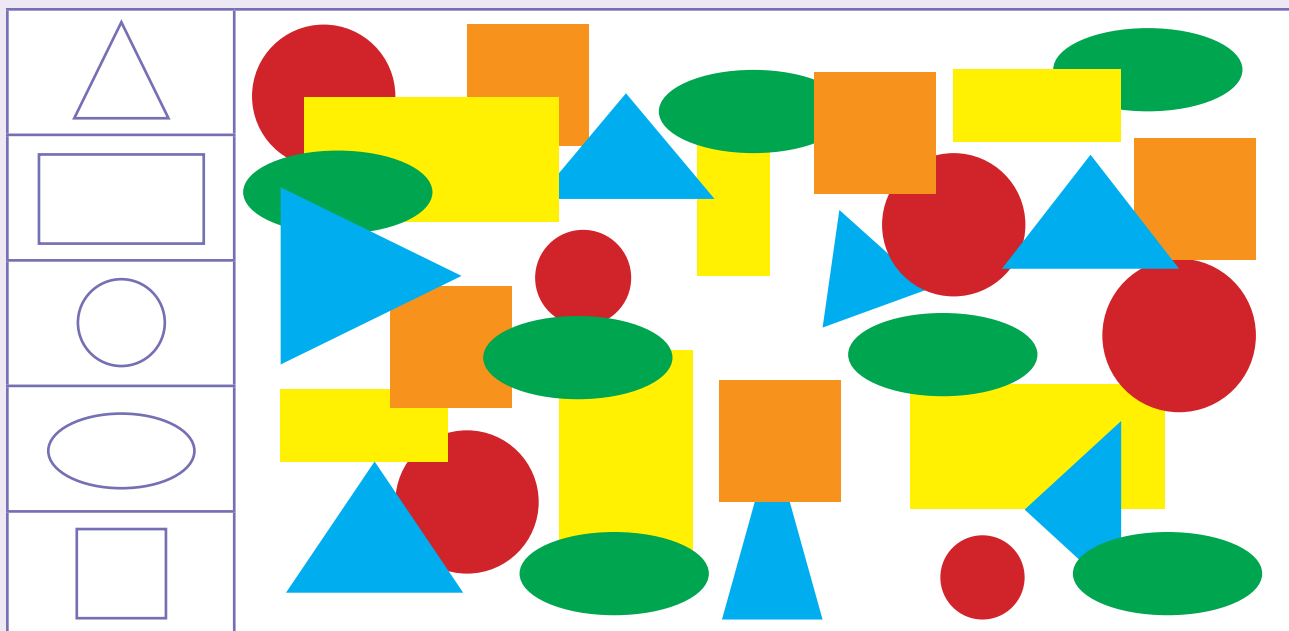
Isikwele

Unxande



Ukubala izimo

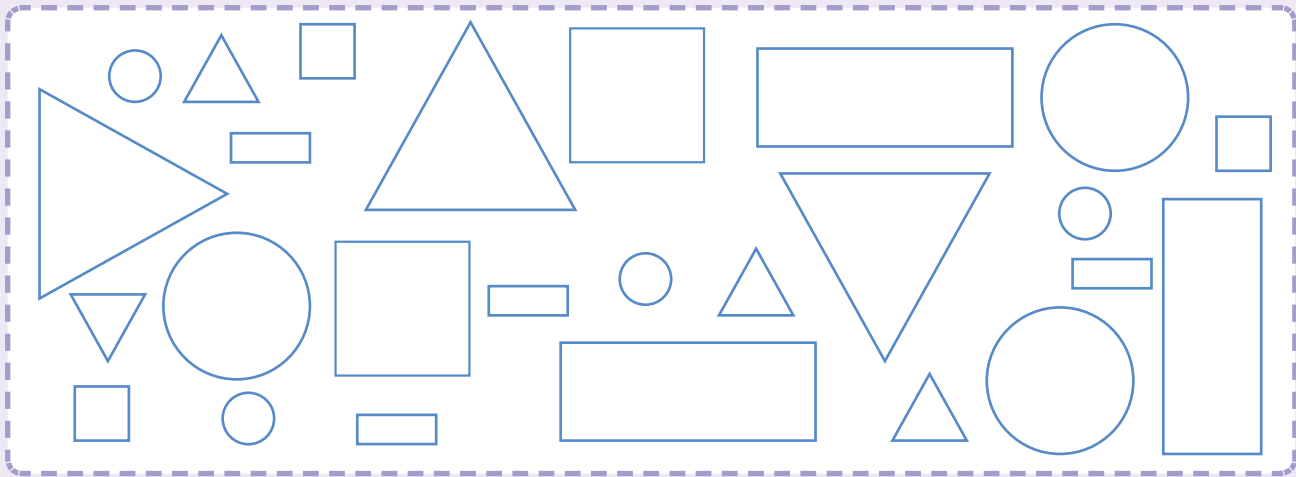
Bala ukuthi yiziphi izimo ongazithola ezifana nalezi ozinikeziwe.





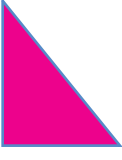
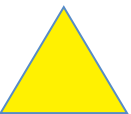
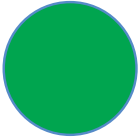
Faka umbala

Obomvu ezindilingeni ezinkulu, oluhlaza satshani ezindilingeni ezincane, oluhlaza sasibhakabhaka konxantathu abakhulu, osawolintshi konxantathu abancane, ophuzi ezikweleni ezinkulu, obukhwebezane ezikweleni ezincane, onsundu konxande abakhulu, ophinki konxande abancane.



Mangaki amacala esimo ngasinye?

Mangaki amacala esimo ngasinye? Bhala impendulo ebhokisini. Sikwenzele isibonelo. Ingabe amacala aqondile noma agobile? Faka umbala empendulweni efanele.

 kuqondile 3 kugobile	 kuqondile kugobile	 kuqondile kugobile	 kuqondile kugobile
 kuqondile kugobile	 kuqondile kugobile	 kuqondile kugobile	 kuqondile kugobile





Teacher: _____
 Sign: _____
 Date: _____

Isikhathi



Ukufunda isikhathi

Qedela umusho: Yiziphi izikhathi ezikhonjiswa yila mawashi?



Ihora le- _____
nqo ezimpondweni

Ihora le- _____
nqo ezimpondweni

Ihora le- _____
nqo ezimpondweni

Ihora le- _____
nqo ezimpondweni



Gxuma uzungeze iwashi

Siza igundane ukubala imizuzu ngaku-5.

Qala enombolweni yeshumi nambili bese uyazungeza.

Mingaki imizuzu oyithole uma ubala? _____

Mingaki imizuzu ehoreni eli-1? _____



Ukubhala isikhathi

Dweba izinti ukukhombisa isikhathi.



Iyishumi nanhlanu
lishayile elesi-6



Ingamashumi
amathathu lishayile
elesi-8



Iyishumi nanhlanu
ngaphambili kwele-11



Ligamenxe elesi-5



UJabu uhamba ngezinyawo
uma eya esikoleni.



Uphuma ekhaya.



Ufika esikoleni.

Uthatha isikhathi esingakanani uJabu? _____



Usuku lokubhaka

Umama ubhaka isinkwa.



Usifaka kuhhavini.



Uyasikhipha.



Isinkwa sibhakwa imizuzu e - _____



Inselele

Esikhathini esiphindwe kabili.

a. Guqula amahora abe yimizuzu.

Amahora	1	2	4	8
Imizuzu	60			

b. UManhla uthatha imizuzu engama - 45 ukufika esikoleni. EsikaJabu side ngokuphindwe kabili. Uthatha amahora amangaki uJabu ukufika esikoleni? _____

Ngiyalibona iphethini.



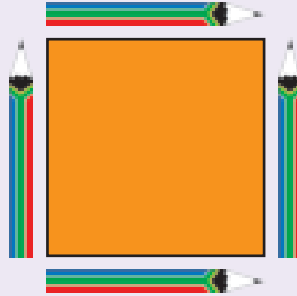
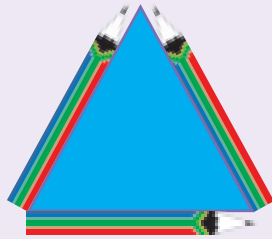
Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Ukukala ubude



Alingana namapensela
ama-3 amacala
kanxantathu
esewonke.



Alingana namapensela
ama-3 amacala
esikwele esewonke.



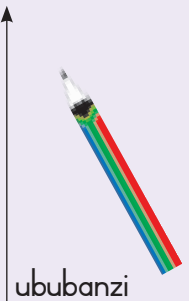
Ingabe
bungakanani
ubude nobubanzi
bukanxande?



Mangaki amapensela enela ubude bukanxande?

Mangaki amapensela enela ububanzi bukanxande?

ubude



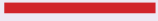
ububanzi

Uwasebenzise kanjani amapensela ukubala?

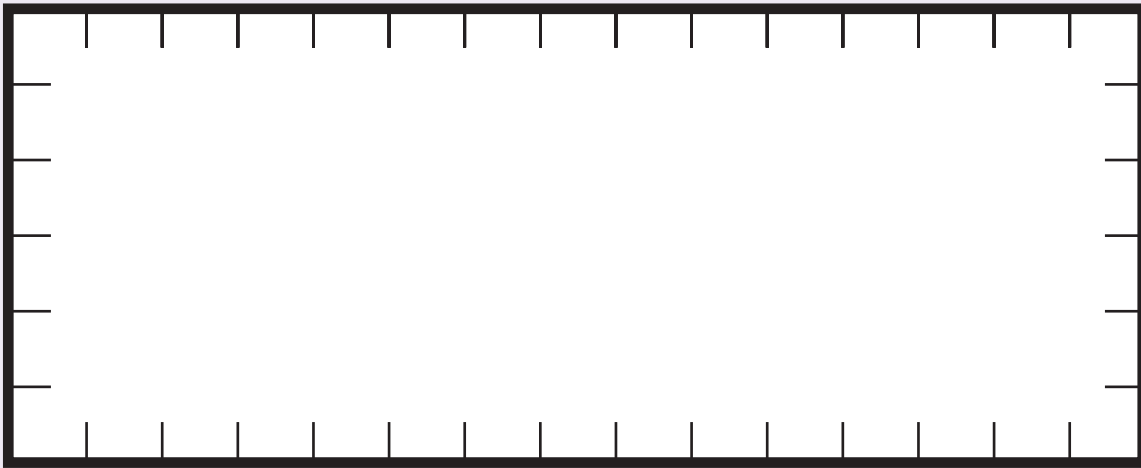


Ubude obuphicayo

a. Udinga emingaki imigqa ebomvu ukuqedela umugqa omnyama?



b. Udinga emingaki imigqa ebomvu ukuhamba uzungeze unxande wonke?



c. Yikuphi okude, okungaphezulu noma okungaphansi, noma kuyafana?



Impendulo _____

Usho ngani? _____



Teacher: _____

Sign: _____

Date: _____



Umthamo

Ujeke uthatha izinkomishi ezi-10 zamanzi. Sengifake izinkomishi ezimbili zamanzi ojekeni.

Ngidinga izinkomishi ezingaki ukuze ngigcwalise ujeke?



Zingaki izinkomishi zamanzi ezisesiqukathini?
Zingaki esizidingayo futhi ukugcwalisa isiqukathi?

a.



Okusesiqukathini:

1

Esidinga ukwengeza ngakho:

9

b.



Okusesiqukathini:



Esidinga ukwengeza ngakho:



c.



Okusesiqukathini:



Esidinga ukwengeza ngakho:



d.



Okusesiqukathini:



Esidinga ukwengeza ngakho:



e.



Okusesiqukathini:



Esidinga ukwengeza ngakho:



f.

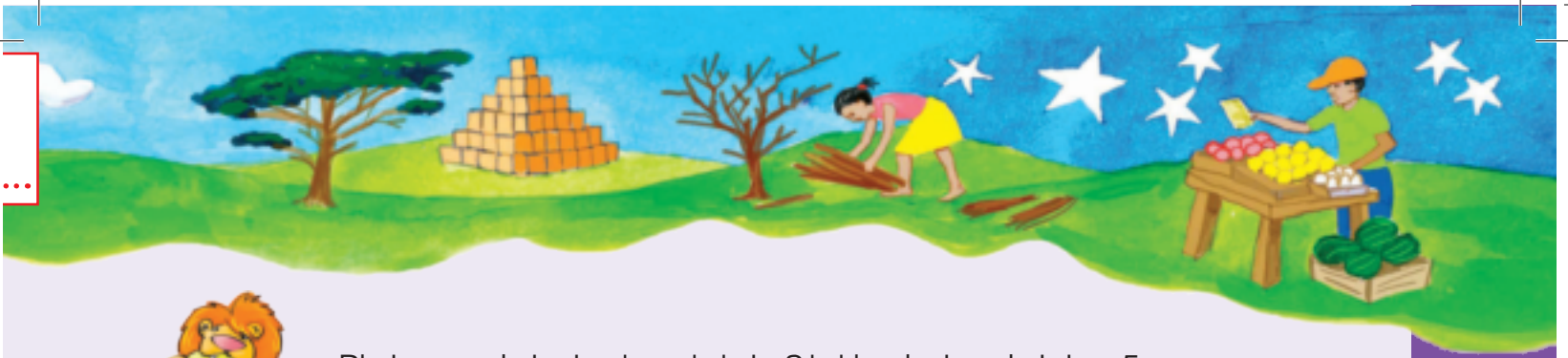


Okusesiqukathini:

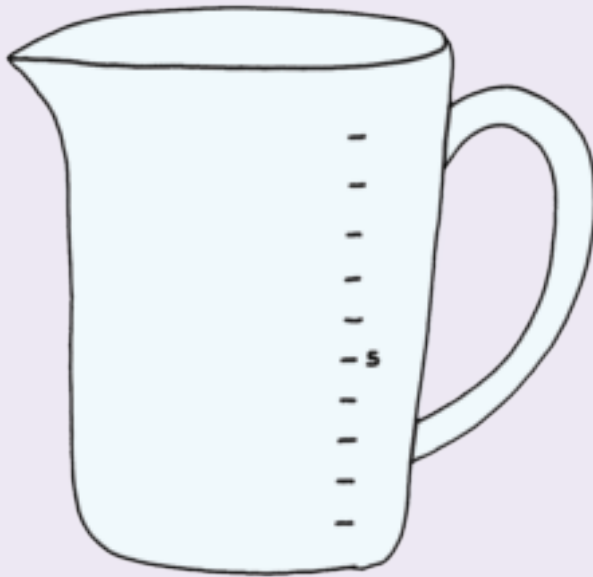


Esidinga ukwengeza ngakho:





Bhala amagabelo alo jeke wokukala. Sikukhombisile igabelo lesi-5.



Uma inkomishi eyodwa igcwalisa kufike egabelweni, udinga izinkomishi ezingaki ukugcwalisa ujeke ngokulandelayo:

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



Faka uphawu (✓) eziqukathini ezinelitha elilodwa lokuwuketshezi, bese uzinamathisela zilandelane zisukele kwesincane kunazo zonke ziye kwesikhulu kunazo zonke.


☐

☐

☐

☐

☐

☐


Teacher: _____

Sign: _____

Date: _____



Ake sizikale ukuthi sisinda noma silula kangakanani.

Sisebenzisa isikali ukuthola ukuthi **sisinda noma silula kangakanani**.

Sisebenzisa **amakhilogramu** ukuzikala isisindo.

Sisebenzisa lesi sifinyezo: kg. Ngubani osinda kunathi sonke?



41 kg



38 kg



41 kg



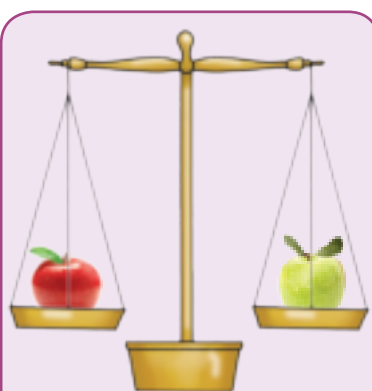
42 kg



39 kg

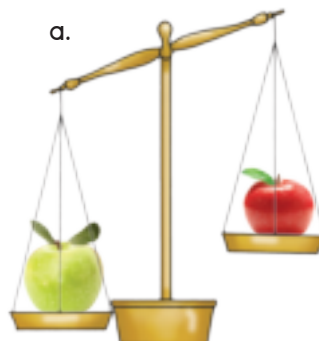


Sisebenzisa isikali sokuzimelela ukukala isisindo.

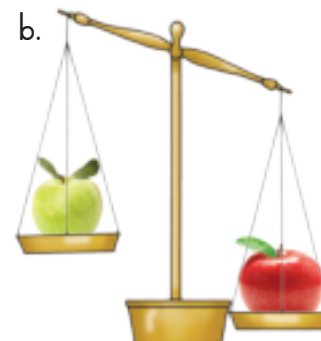


Kulesi sikali womabili ama-aphula asinda ngokulinganayo.

a.



b.



Phendula umbuzo. Bhala u-a noma u-b.

Yisiphi isikali esikhombisa ukuthi i-aphula eliluhlaza lisinda kakhulu kunelibomvu?

Yisiphi isikali esikhombisa ukuthi i-aphula eliluhlaza lilula kakhulu kunelibomvu?

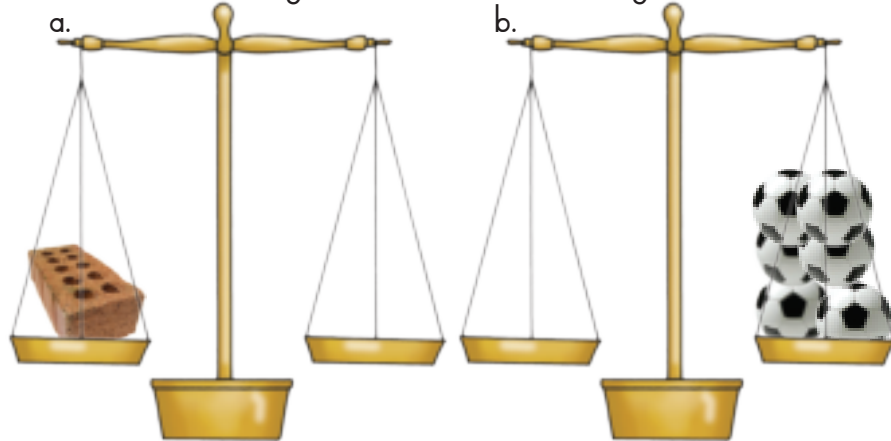


Linganisa izikali.

Sesikwenzele eyokuqala.



Khombisa ngokudweba ukuthi udinga izitini noma amabhola amangaki ukwenza lezi zikali zilingane.



Uma iphasela elilodwa linesisindo esiwu - 3 kg, singakanani isisindo:

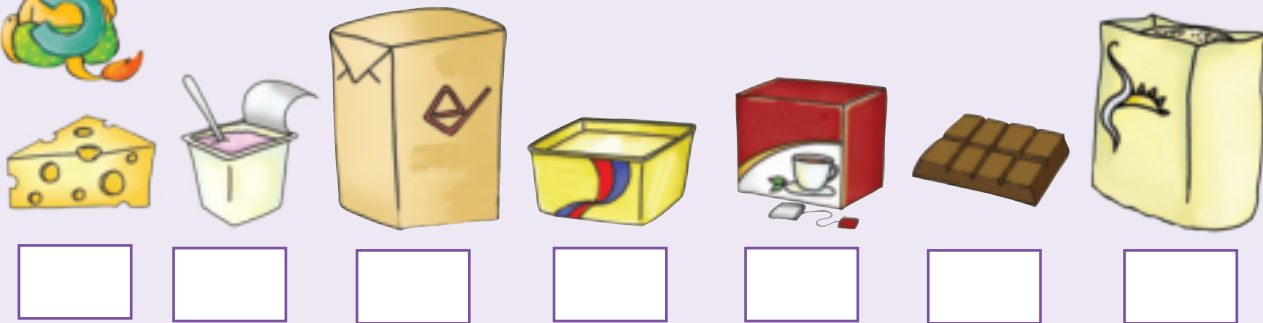
- samaphasela ama-2 _____ kg
- samaphasela ama-3 _____ kg
- Ningawakala amaphasela ama-4 kanyekanye kulesi sikali sasekhishini? _____



Usho ngani? _____



Faka uphawu (✓) eziquthini ezinamaphakethe anesisindo se-1 kg.



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Izicathulo eklassini

Ukuqokelelwa kolwazi



Funda le ndaba.

Thabo: Ihe! UThemba mude bo! Uggoka usayizi 6 wezicathulo!

Nkz Khoza: Yebo, Thabo, zinkulu ngempela enganeni eneminyaka eyisi-9 ubudala! Ufaka usayizi bani ezicathulweni, Thabo? Yibaphi osayizi abagqokwa ngabanye eklassini? Asenzeni ucwaningo.

Abafundi basho osayizi babo ngamunye ngamunye.

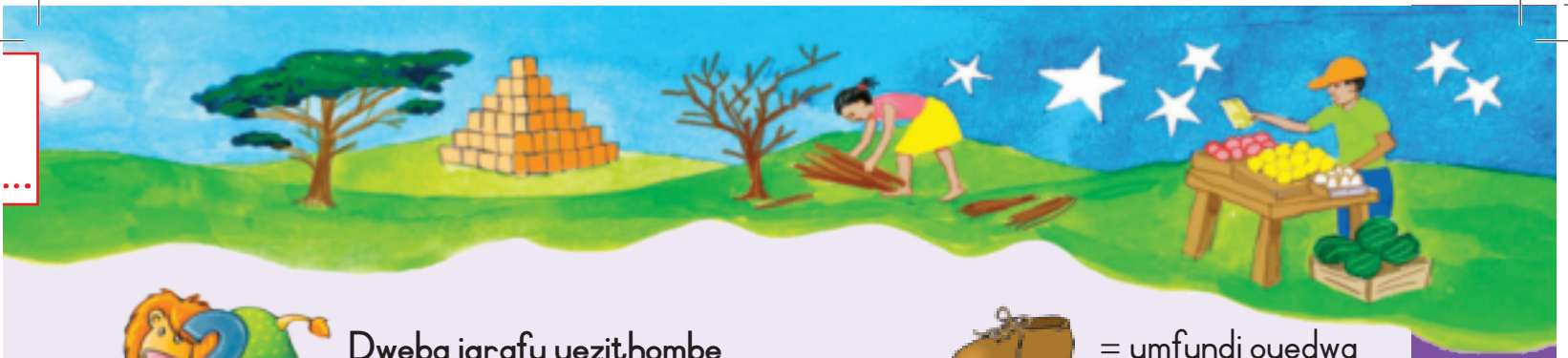
UNkz Khoza ubhala osayizi ebhodini.

Nkz Khoza: Bala, bese ubhala ukuthi bangaki osayizi ngamunye.

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

Gcwalisa ithebhula elingezansi:

Osayizi bezicathulo eklassini					
Usayizi 1	Usayizi 2	Usayizi 3	Usayizi 4	Usayizi 5	Usayizi 6



Dweba igrafu yezithombe



= umfundi oyedwa

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



Phendula le mibuzo.

- Abafundi abaningi bagqoka usayizi _____ ezicathulweni..
- Zingama _____ izingane ezibambe iqhaza kulolu cwaningo.



Singathini ngawe?

Thola ukuthi wena nabangani bakho nifaka baphi osayizi bezicathulo!

- Sebenzani ngamaqembu anabantu abayi-6 kuya kwabayi-8.
- Qoqani imininingwane yenu.
- Bhala inani lawosayizi bezicathulo ethebhuleni.
- Qhathanisani izimpendulo zenu nezamaqembu amanye.



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Qhathanisa bese ulandelanisa izinombolo

Itemul

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

Iyiphi inombolo engaphambili kwama-84?
Iyiphi inombolo engemuva kwama-84?

Iyiphi inombolo ephakathi kwama-88 nama-90?



Gcwalisa ngezinombolo ezingekho.

[illegible]

Sebenzisa ishadi lezinombolo ukuphendula le mibuzo.

- Iyiphi inombolo engaphambili kwama-68? _____
- Iyiphi inombolo engemuva kwama-68? _____
- Bhala izinombolo ezinhlanu ezingaphansi kwama-71. _____, _____, _____, _____, _____
- Bhala izinombolo ezinhlanu ezinkulu kunama-71. _____, _____, _____, _____, _____
- Yiziphi izinombolo eziphakathi kwama-79 nama-84? _____
- Bhala lezi zinombolo kusukela kwencane kuya kwenkulu.
73, 52, 50, 59, 61 _____
- Bhala lezi zinombolo kusukela kwenkulu kuya kwencane.
74, 96, 99, 91, 38 _____



Qedela ithebhula. Qala ngenombolo oyinikeziwe.

	Enkulu ngokukodwa	Encane ngokukodwa	Enkulu ngeshumi	Encane ngeshumi
25				
39				
74				
56				
40				



Kokelezela inombolo enkulu kunazo zonke.

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

Kokelezela inombolo encane kunazo zonke.

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



Uma uphawu < lusho ukuthi **kuncane kuna-**, nalolu > lusho ukuthi **kukhulu kuna-**, qedela:

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

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



Thola izinombolo ezi-5 ephephandabeni eziphakathi kwama-50 nama-99 uzinamathisele lapha.



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Ubungako benani lenombolo kufinyelela ema-99

Ukukhombisa izinombolo ngezinto

Singazikhombisa izinombolo ngamabhulokhi obungako benani lenombolo.

Ibhulokhi elincane limele umuvo o-1. Iyimivo.

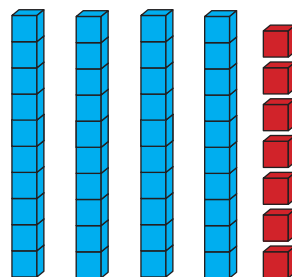
Amabhulokhi ayi-10 amancane amele i-10 elilodwa. Yi-10 leli.

Yishumi.

Amashumi	Imivo

Ungayikhombisa inombolo usebenzisa amashumi nemivo.

Ama-47 siwakhombisa kanje.



Amashumi	Imivo
4	7

amashumi amane
nesikhombisa 47



Ukubhala izinombolo usebenzisa izimpawu kanye nangamagama

a. Ngaphansi kwesithombe, bhala usho ukuthi mangaki amashumi, mingaki imivo.

Emva kwalokho ubhale inombolo ngezinombolo kanye nangamagama.

Amashumi	Imivo	Amashumi	Imivo	Amashumi	Imivo
3	1				
31 amashumi amathathu nanye					



20 6 2 6

b. Singasebenzisa futhi amakhadi ezinombolo ukukhombisa lokhu.

Inombolo	Mangaki amashumi?	Mingaki imivo?	Bhala le nombolo ngamagama
26	2	6	amashumi amabili nesithupha
46			
99			



Yisho ukuthi iyiphi le nombolo?

	30 5 3 5	<table border="1"> <thead> <tr> <th>Amashumi</th> <th>Imivo</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>5</td> </tr> </tbody> </table> amashumi amathathu nanhlanu 35	Amashumi	Imivo	3	5
Amashumi	Imivo					
3	5					
	□ 0 □ 5	<table border="1"> <thead> <tr> <th>Amashumi</th> <th>Imivo</th> </tr> </thead> <tbody> <tr> <td>□</td> <td>□</td> </tr> </tbody> </table> _____ _____	Amashumi	Imivo	□	□
Amashumi	Imivo					
□	□					
	□ 0 □ 5	<table border="1"> <thead> <tr> <th>Amashumi</th> <th>Imivo</th> </tr> </thead> <tbody> <tr> <td>□</td> <td>□</td> </tr> </tbody> </table> _____ _____	Amashumi	Imivo	□	□
Amashumi	Imivo					
□	□					



Teacher: _____

Sign: _____

Date: _____

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19

Usuku:

Ithemu I



Funda

Ukubeka amashumi ndawonye uma
sihlanganisa kufinyelele ema-99

Nansi indlela enye yokukhombisa ama-22.		Sineshumi		Sesinenye futhi indlela yokukhombisa ama-22.	
Amashumi	Imivo			Amashumi	Imivo
ishumi	imivo eyi-12		Sizobeka iqoqo elinemivo eyi-10.	amashumi amabili	imivo emibili
10	102			22	

Masihlanganise ama-27 + 4. Siqala ngemivo engamabhulokhi aluhlaza bese sengeza ngemivo engamabhulokhi abomvu.

Ama-27: ngamashumi ama-2 nemivo eyi-7. Sesengeza imivo emi-4 ngaphezulu.		Sinamashumi ama-2 nemivo eyi-11.		Manje sinamashumi ama-3 + umuvo = 31	
Amashumi	Imivo	Amashumi	Imivo	Amashumi	Imivo
amashumi ama-2	nemivo eyi-7 + 4 imivo	Sizokhombisa imivo eyi-10 njengeshumi eli-1.			
20	74	2010	1	30	1

$$\begin{array}{r} \text{---} + \text{---} = \text{---} \\ 30 + 1 = 31 \end{array}$$



Buka isithombe bese ubhala umusho wezinombolo.

Amashumi	Imivo
$10 + 5 + 6$	

Amashumi	Imivo
$\underline{\quad} + \underline{\quad} + \underline{\quad}$	

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

Qedela izithombe. Bhala imisho yezinombolo ekhonjiswe ezithombeni.

Amashumi	Imivo

Amashumi	Imivo

Amashumi	Imivo

Amashumi	Imivo

Amashumi	Imivo

Amashumi	Imivo



Teacher:
Sign:
Date:

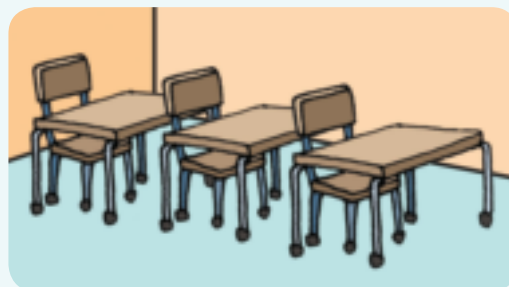
11 12 13 14 15 16 17 18 19 20

Hlanganisa emgqeni wezinombolo

Hlala edeskini lakho!

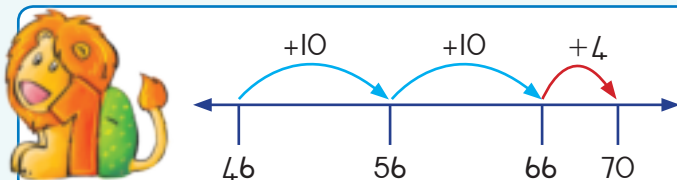
Esikoleni sethu umfundi ngamunye unedeski lakhe.

Ebangeni 3A kukhona abafundi abangama-46 bese kuthi ebangeni 3B kukhona abafundi abangama-24. Sidinga amadeski amangaki emaklasini amabili?



Sebenza nomngani wakho

Bheka ukuthi laba bafundi abathathu bawusebenzise kanjani umugqa wezinombolo ukuxazulula inkinga. Qedela izibalo usebenzisa isibonelo.



Nakhu engizokwenza: Okokuqala ngihlanganisa i-10, bese ngithola ama-56.

Ngeqa elinye i-10 ngifinyelele ema-66.

Kuthi ekugcineni, ngeqe ka-4 ukuze ngifinyelele ema-70.

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

$$= 56 + 10 + 4$$

$$= 66 + 4$$

$$= 70$$

Kumele
ngihlanganise ama-
24 nama-46.



a. $32 + 25 =$





b. $52 + 26 =$

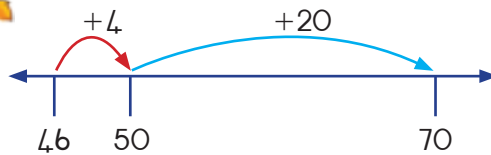
←

→

c. $46 + 25 =$

←

→



Kumele
ngihlanganise ama-
24 nama-46.



Nakhu engizokwenza: Okokuqala ngihlanganisa oku-4, bese ngithola ama-50.

Ngiyakwazi ukweqa ama-20 futhi, bese ngithola ama-70.

$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$

a. $36 + 41 =$

←

→



Teacher: _____

Sign: _____

Date: _____

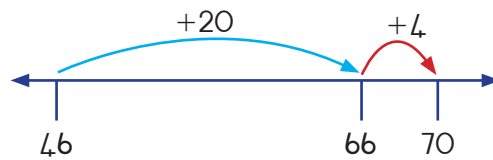
20b

Usuku:

Ithemu I

Hlanganisa emgqeni wezinombolo (kuyaqhutshwa)

b. $57 + 19 =$



Kumele
ngihlanganise ama-
24 nama-46.



Nakhu engizokwenza: Uma ngisuka ema-46, ngiyakwazi ukweqa ama-20, bese ngifinyelela ema-66.

Sengizokweqa oku-4 manje, bese ngithola ama-70.

$$= 46 + 20 + 4$$

$$= 66 + 4$$

$$= 70$$

a. $63 + 24 =$



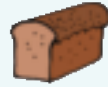
b. $65 + 29 =$





Zingaki izinkwa?

Imoto yezinkwa ilethe izinkwa ezinsundu ezi-54.

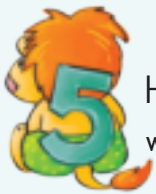


nezimhlophe ezi-68.



a. Zingaki izinkwa sezizonke?

b. Thola isamba emgqeni wezinombolo. Khombisa izinombolo kanye nebanga lokugxumela phambili.



Hlanganisa lokhu okulandelayo ngaphandle kokusebenzisa umugqa wezinombolo. Sebenzisa noma iyiphi indlela oyithandayo.

$$38 + 24 =$$

$$58 + 17 =$$

$$75 + 16 =$$

$$83 + 29 =$$



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2la

Usuku:

Ithemu I

Ukususa emgqeni wezinombolo

Umfundi ngamunye uthola irula elilodwa!

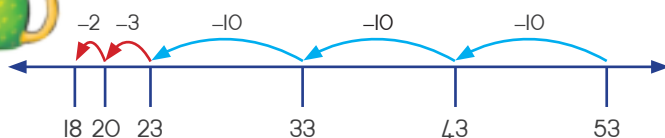
Iklasi lidinga amarula angama-53. Sinamarula angama-35 kuphela.

Sidinga amangaki futhi ngaphezulu? $53 - 35 =$

Sebenza nomngani wakho

Funda ukuthi abafundi abathathu bawusebenzise kanjani umugqa wezinombolo.

Qedela izibalo usebenzisa isibonelo.



Kumele ngisuse
ama-35 ema-53. Ukususa
kusho **ukuthatha kokunye.**



Ngizoqala ngisuse ema-53. Ngizosusa ngama-10, 10, 10 – lokho kungibeka
ema-23. Manje ukuze ngisuse okuhlenu, ngiqala ngokususa oku-3 bese
ngifinyelela ema-20. Ngibuye ngisuse oku-2 bese ngifinyelela e-18.
Ngakho-ke sidinga amarula ayi-18.

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

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

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

$$= 23 - 3 - 2$$

$$= 20 - 2$$

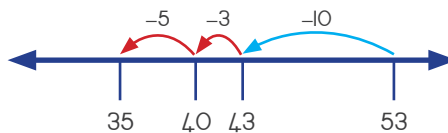
$$= 18$$



a. $68 - 24 =$

b. $74 - 38 =$

c. $92 - 87 =$



Ukususa kusho ukuthola umahluko phakathi kwama-53 nama-35.



Ngizoqala ema-53 ngibale ngehle ngiye ema-35 ngithole umahluko. Uma ngibala ngihlehla ngama-10, ngifinyelela ema-43. Ngibala ngaku-3 ngihlehle futhi ngifinyelele ema-40. Manje ngibala ngihlehle ngoku-5 ukufinyelela ema-35. Okuyi-10 ngikuhlanganisa noku-3 ngikuhlanganisa noku-5 kwenza i-18. Ngakho-ke ngidinga ukongeza ngamarula aji-18.

a. $38 - 14 =$



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21b

Usuku:

Ithemu I

Susa usebenzisa umugqa wezinombolo (kuyaqhutshwa)

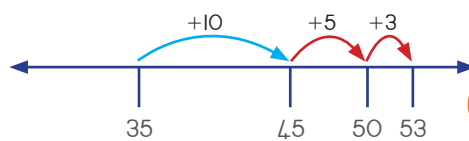
b. $65 - 43 =$



c. $72 - 39 =$



d. $85 - 48 =$



Ngizoqala ema-35 ngibheke ukuthi kudingeka ngeqe kangaki ukuze ngifinyelele ema-53.



Ngizoqala ema-35 ngibheke ukuthi kudingeka ngeqe kangaki ukuze ngifinyelele ema-53? Ishumi lihlenganiswa nokuhlanu kanye nokuthathu kwakha i-18. Sidinga amanye amarula ayi-18.

a. $84 - 32 =$





b. $96 - 53 =$

c. $78 - 19 =$

d. $63 - 47 =$



Ukuhamba ngetekisi

Uhambo oluya edolobheni ngetekisi lungama - 65 km.

Itekisi okwamanje lisahambe ibanga elingama - 38 km.

Kusele ibanga elingakanani elisazohanjwa?

Sebenzisa umugqa wezinombolo ukuxazulula le nkinga.



km



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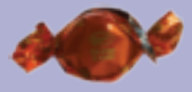


Qala ngokuhlela!

UBusi ubuza abangani ukuthi yikuphi ukudla abakuthandayo uma besedilini. Nakhu akuqoqile. Kuhlele kahle.



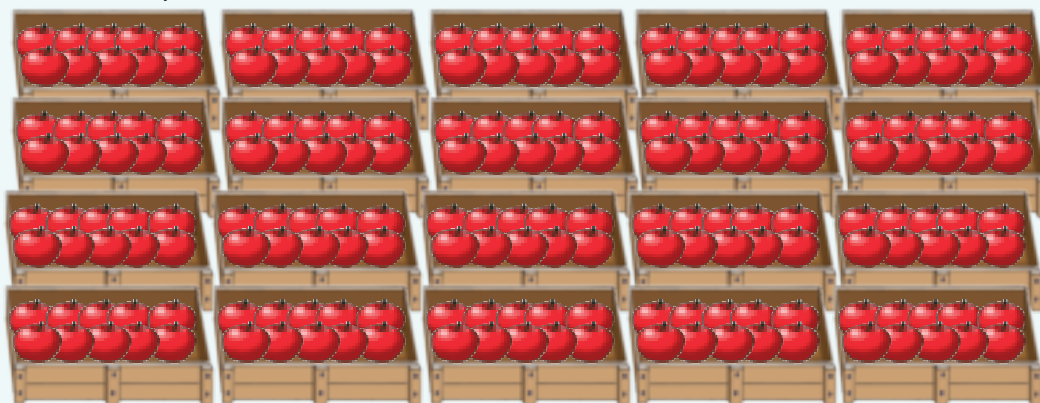
Bala bese uyabhala ukuthi bangaki abangani abakhethhe inhlobo ngayinye yokudla.

				
Inombolo				

Ukubala ufinyelele ema-200



Bala ama-aphula.



Gcwalisa izinombolo

Ibhokisi eli-1 linama-aphula a-

Umugqa nga-1 unamabhokisi ama-

Umugqa nga-1 unama-aphula a-

Imigqa emi-4 inama-aphula angama-



Mangaki ama-aphula esingawafaka kula mabhokisi?

a.



b.



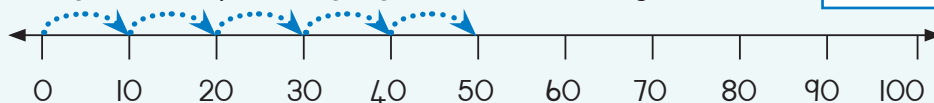
c.



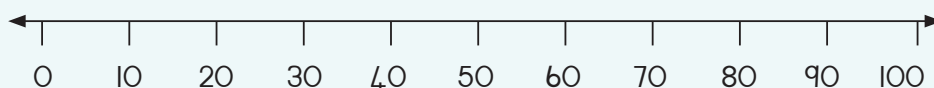


Bala usebenzise umugqa wezinombolo.

a. Mangaki ama-aphula angangena emabhokisini ayisikhombisa?



b. Mangaki ama-aphula angangena emabhokisini ayisikhombisa?





Amaqoqo ama-3 anezinto eziyi-10 enza $3 \times 10 = 30$ noma $10 \times 3 = 30$

Amaqoqo ama-5 anezinto eziyi-10 enza $\underline{\quad} \times \underline{\quad} = \underline{\quad}$ noma $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Izingwaba ezi-2 zama-10 zenza $\underline{\quad} \times \underline{\quad} = \underline{\quad}$ noma $\underline{\quad} \times \underline{\quad} = \underline{\quad}$



Amapheya ama-5 ezinyawo. Zingaki izinzwane sezizonke?



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

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

Yenza okufanayo nakulezi.

Amapheya ama-4 ezinyawo. Zingaki izinzwane sezizonke?

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

Amapheya ayi-9 ezinyawo anezinzwane ezingaki?

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



Masibale ngama-10.

10, 20, 30, 40, 50, $\underline{\quad}$, $\underline{\quad}$, $\underline{\quad}$, $\underline{\quad}$, $\underline{\quad}$

$\underline{\quad}$, $\underline{\quad}$, $\underline{\quad}$, $\underline{\quad}$, $\underline{\quad}$, $\underline{\quad}$, $\underline{\quad}$, $\underline{\quad}$, $\underline{\quad}$, 200

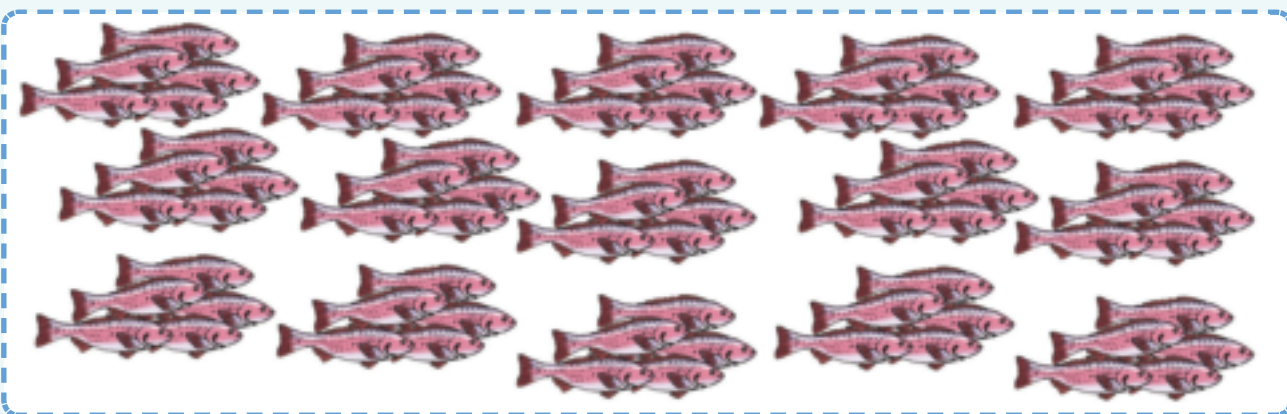


11 12 13 14 15 16 17 18 19 20



Zijwayeze okungaku-5

Zingaki izinhlanzi? Linganisela.



Bala izinhlanzi. Thola isamba.



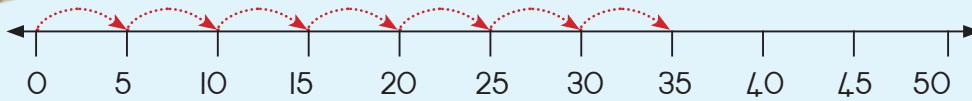
Ukubala ngaku-5

Thola isamba samaqanda enhlanzi. Bhala imisho yezinombolo enezimpawu + kanye no-X. **Sikwenzele okokuqala.**

Izinhlanzi namaqanda	Mangaki amaqanda esewonke?	
Izinhlanzi ezi-5 zizalela amaqanda a-2 iyinye	$2 + 2 + 2 + 2 + 2 = 10$	$5 \times 2 = 10$
Izinhlanzi ezi-5 zizalela amaqanda a-10 iyinye		
Izinhlanzi ezi-5 zizalela amaqanda a-4 iyinye		
Izinhlanzi ezi-5 zizalela amaqanda a-3 iyinye		
Izinhlanzi ezi-5 zizalela amaqanda a-6 iyinye		
Izinhlanzi ezi-5 zizalela amaqanda a-8 iyinye		
Izinhlanzi ezi-5 zizalela amaqanda a-5 iyinye		



Qedela imigqa yezinombolo kanye nemisho yezinombolo.

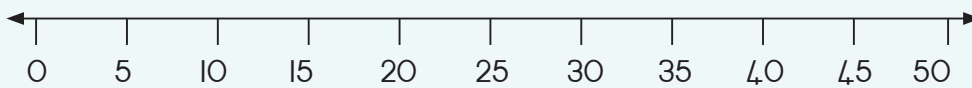


$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35}$$

noma

$$\boxed{7} \times \boxed{5} = \boxed{35}$$

a.

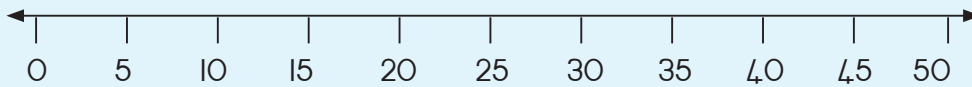


$$5 + 5 + 5 + 5 = \boxed{}$$

noma

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

b.

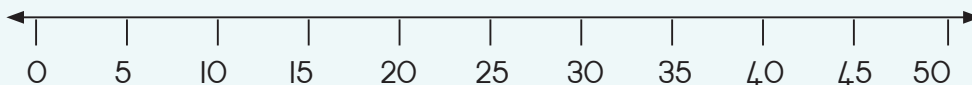


$$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{}$$

noma

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

c.



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



Ukudoba izinhlanzi

USipho udobe wabamba izinhlanzi eziphakathi kwama-40 nama-50. Uyazibala manje nga-2, sekusala e-1.

Ubuya uzibala nga-5, kusale ezi-2.

Udobe izinhlanzi ezingaki sezizonke uSipho?



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25a

Usuku:

Ithemu I



Ukubala amasokisi

Bala ngaku-2



a. Mangaki amapheya amasokisi? _____

b. Mangaki amasokisi? _____

c. Akhona amasokisi asele? _____



Ukubala amapheya amasokisi

Bala usho ukuthi mangaki amapheya amasokisi akhona bese usho ukuthi akhona yini asele.

Amasokisi	Inani lamapheya	Inani lamasokisi	Amasokisi asele ahamba ngalinye



Teacher:

Sign:

Date:

25b

Usuku:

Ithemu I



Bala ngaku-2 (kuyaqhutshwa)

Ukwakha amapheya.

Bhala phansi izinombolo eziwugweje nezingelona usukele koku-1-60.

a. Bhala phansi izinombolo ezingelona ugweje usukele koku-1-60.

2, 4, 6,

b. Bhala phansi izinombolo eziwugweje usukele koku-1-60.

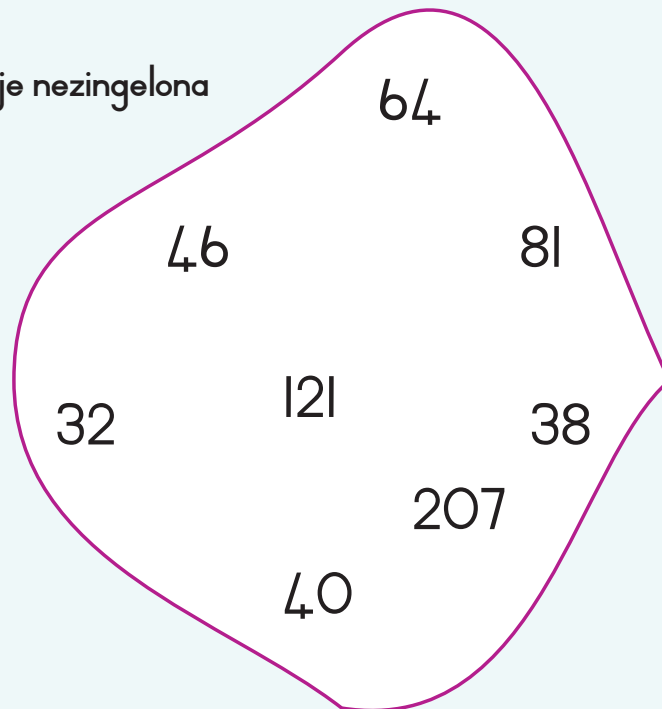
3, 5, 7,



Izinombolo eziwugweje nezingelona

Kokelezela ngesiyingi
izinombolo ezingelona ugweje.

Kokelezela ngesikwele
izinombolo eziwugweje.





Qhubeka ubale ngaku-2

Isibonelo:

amasokisi ama-2 = ipheya eli-1



$$2 \times 1 = 2$$

amasokisi angama-20 = amapheya ayi-10

$$2 \times 10 = 20$$

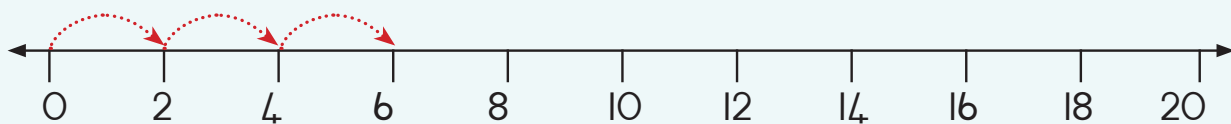
a. Bhala usho ukuthi mangaki amasokisi.

Zikhumbuze izinto ezihamba nga-2	Imisho yezinombolo
ipheya eli-1 = amasokisi ayi-2	$2 \times 1 = 2$
amapheya ama-2 = amasokisi ayi-	$2 \times 2 =$
amapheya ama-4 = amasokisi ayi-	
amapheya ayi-8 = amasokisi ayi-	
amapheya ayi-9 = amasokisi ayi-	

b. Khombisa isibalo emgqeni wezinombolo bese uqedela.

Isibonelo:

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

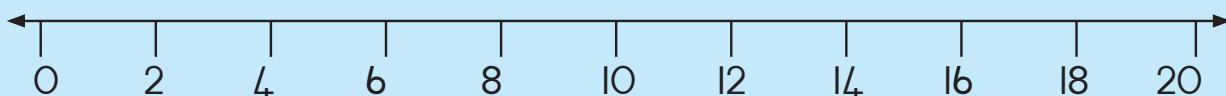


$$2 + 2 + 2 + 2 + 2 + 2 + 2 =$$

noma

$\times$

$=$



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

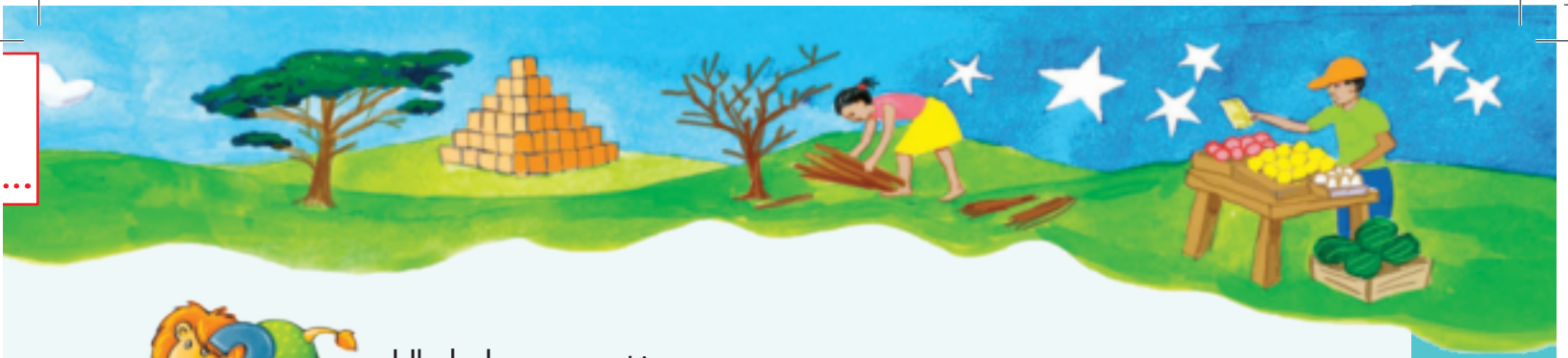


Indaba ngemali yethu

ENingizimu Afrika sisebenzisa amarandi namasenti. Saqala ukusebenzisa amarandi namasenti ngowe-1961.

Ngalezo zinsuku isenti eli-1 kwakuyilona luhlamvu lwemali olunenani elincane kunazo zonke, bese kulandela uhlamvu lwamasenti ama-2, nolwamasenti ama-5.





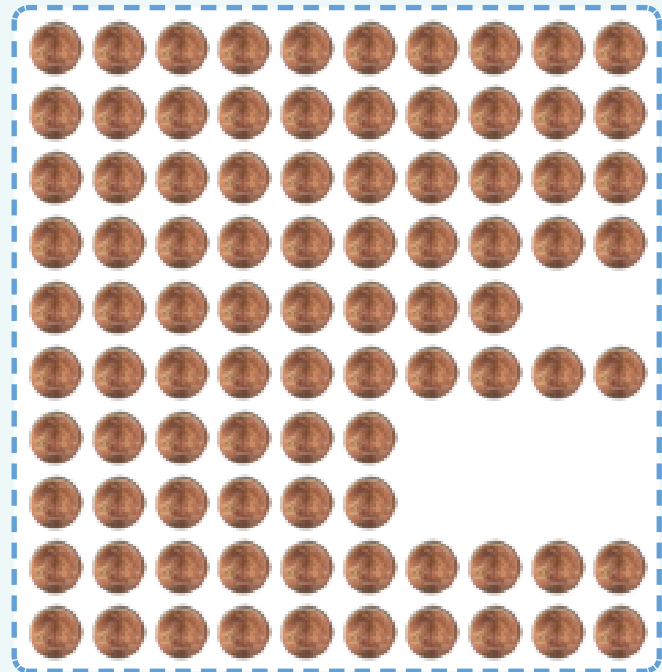
Ukubala amasenti

Bala amasenti.

Mangaki amasenti onawo?

Udinga amangaki amasenti
ukuhlanganisa i-R1,00?

Wadwebe ebhulokhini.



Mangaki amasenti?

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



Ngingathenga izithelo ezingaki?



2 ubiza ama-R4,00.

Mngaki ubhanana ongawuthenga
ngama-R20,00?



2 abiza ama-R2,00.

Mangaki ama-aphula ongawuthenga
ngama-R9,00?



Teacher: _____

Sign: _____

Date: _____

11 12 13 14 15 16 17 18 19 20

Ukubala ngaku-3



Amasondo ahamba ngama-3



Usondontathu ngamunye unamasondo a- _____.

Osondontathu aba-5 banamasondo
a- _____ esewonke.

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

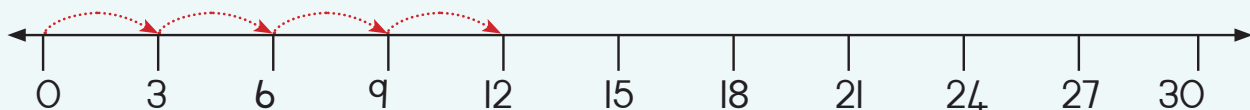
Osondontathu aba-2 banamasondo
a- _____ esewonke.

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

Osondontathu aba-4 banamasondo
a- _____ esewonke.Osondontathu abayi-6 banamasondo
a- _____ esewonke.Osondontathu abayi-9 banamasondo
a- _____ esewonke.Osondontathu abayi-8 banamasondo
a- _____ esewonke.

Imigqa yezinombolo

Buka isibonelo.



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



b.

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

c.

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

d.

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



Amabhayisikili kanye nosondontathu



UBusi ubala amasondo emabhayisikilini kanye nawosondontathu esitolo.
Kunamasondo ayi-14 esewonke.

Mangaki amabhayisikili? _____

Bangaki osondontathu? _____



Yikuphi okuza ngaku-4?



Ukubala imilenze

Okuthile ngezinto eziza ngazi-4
 $4 + 4 = 8$; $2 \times 4 = 8$



Izinkomo zinemilenze emine.

Yikuphi okunye okuhamba ngaku-4? _____



Ukubala imilenze

Hlukaniselanani izimpendulo.
 Chazani ukuthi nikwenze kanjani.

Sebenzisa amaqiniso owaziyo ngezinto ezihamba ngazi-4 bese uphendula le mibuzo.

inkomo  e-1 imilenze e- 4	izinkomo  ezi-2 imilenze e- 8
izinkomo  ezi-3 imilenze e-	izinkomo  ezi-4 imilenze e-
izinkomo  ezi-5 imilenze e-	izinkomo  ezi-6 imilenze e-
izinkomo  ezi-7 imilenze e-	izinkomo  ezi-8 imilenze e-
izinkomo  ezi-9 imilenze e-	izinkomo  ezi-10 imilenze e-



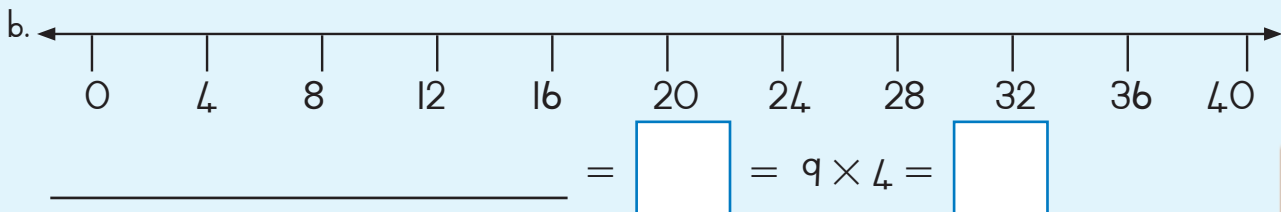
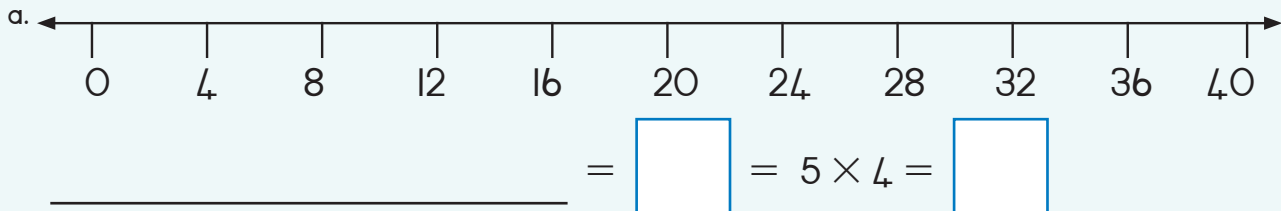
Qedela leli thebhula elingezansi. Sebenzisa isibonelo.

Izinkomo ezi-3 zinemilenze eyi-_____.	$4 + 4 + 4 = 3 \times 4 = \underline{12}$
Izinkomo ezi-5 zinemilenze engama-_____.	
Izinkomo ezi-4 zinemilenze eyi-_____.	
Izinkomo ezi-7 zinemilenze engama-_____.	
Izinkomo ezi-8 zinemilenze engama-_____.	



Imigqa yezinombolo

Khombisa isibalo sokuphindaphinda emgqeni wezinombolo bese uwuqedela.



Teacher: _____
Sign: _____
Date: _____

Ithemul



Amaphethini ezinombolo

Amaphethini egridi

Zakha liphi iphethini iziyingi ezivela kugridi ye-100 ngayinye?

Dweba ezinye iziyingi ukuqedela iphethini ngalinye.

Bhala igama lephethini ngalinye.

a. Iphethini: _____

[illegible]

b. Iphethini: _____

[illegible]

c. Iphethini: _____

[illegible]

d. Iphethini: _____

[illegible]

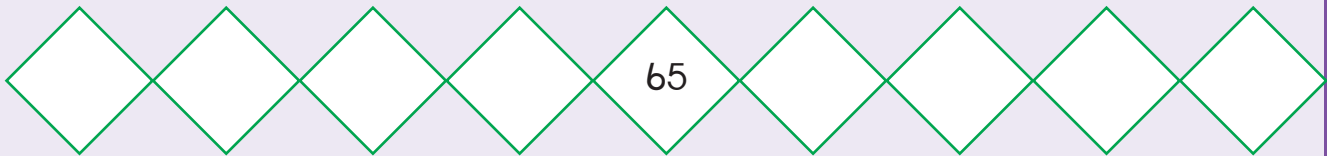


Ukuzenzela amaphethini

- a. Kuleli phethini lezinombolo, izinombolo zakhona azilona ugweje. Yiziphi izinombolo ezingekho? Zibhale.



- b. Kuleli phethini lezinombolo, izinombolo ziwugweje zonke. Yiziphi izinombolo ezingekho? Zibhale.



Zingena kuphi lezi zinombolo?



Iphethini lezinombolo ezibala ngaku-3 nangaku-4.	Iphethini lezinombolo ezibala ngaku-3 nangaku-5.	Iphethini lezinombolo ezibala ngaku-4 nangaku-5.
isb: 48		



Olwandle

UThembi uqoqe amagobolondo ahamba nga -60 nanga -70 olwandle. Uma ewabala ngama -3, usala neli -1.

Inombolo okungahle kube yiyo: ngama -61, _____, _____, ama -70. Uma ebala ngaku -5, usala noku -4. Izinombolo yilezi: _____, _____. UThembi unamagobolondo amangaki? _____.



Teacher:
Sign:
Date:

30a

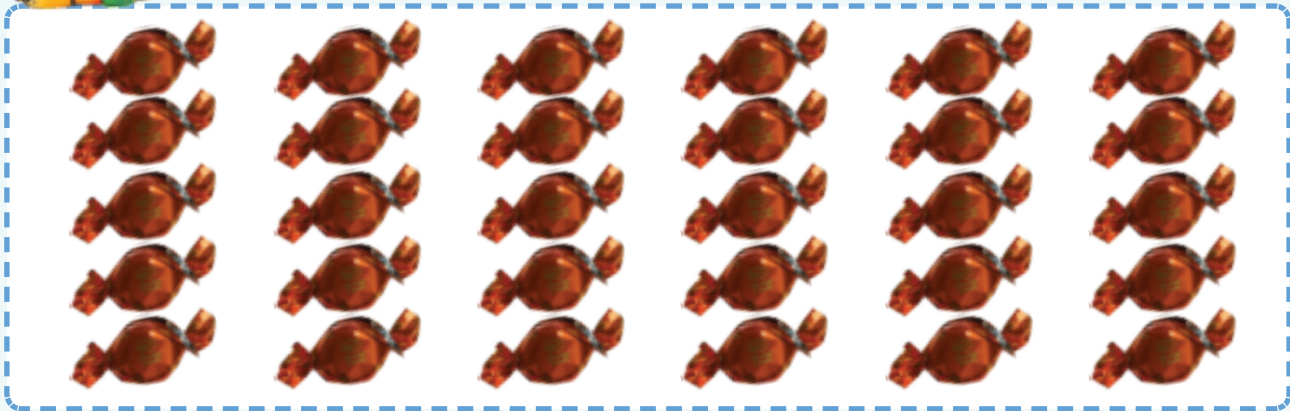
Usuku:

Ukuhlukanisa

Ithemu I



Hlukanisa amaswidi:



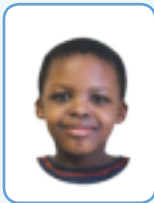
- a. Hlukanisela abantwana ababili amaswidi angama-30.



Sikubhala kanje:

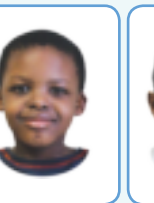
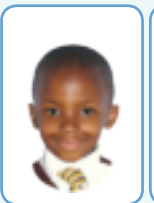
$$30 \div 2 = 15$$

- b. Hlukanisela abantwana aba-3 amaswidi.



$$\div =$$

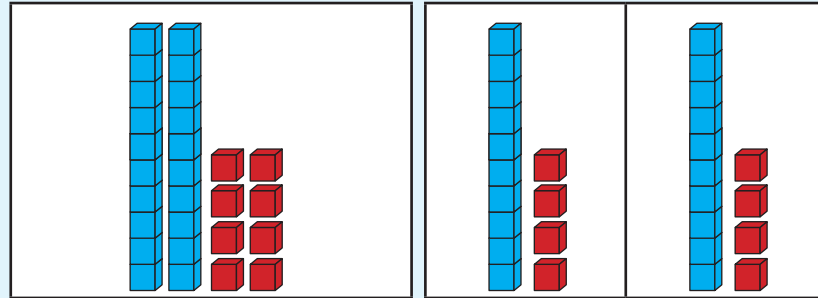
- c. Hlukanisela abantwana aba-5 amaswidi.



$$\div =$$



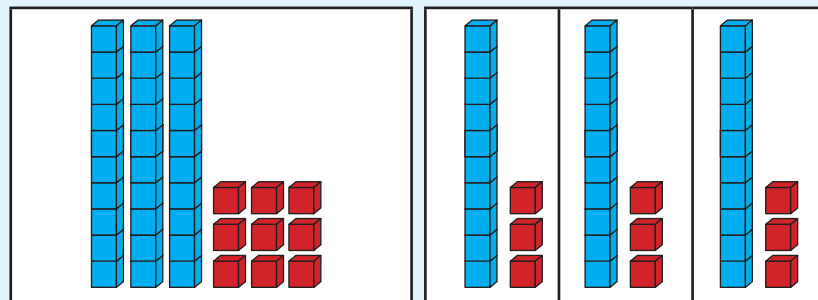
Singawasebenzisa amabhulokhi ezinombolo uma sihlukanisa.



$$28 \div 2 = 14$$

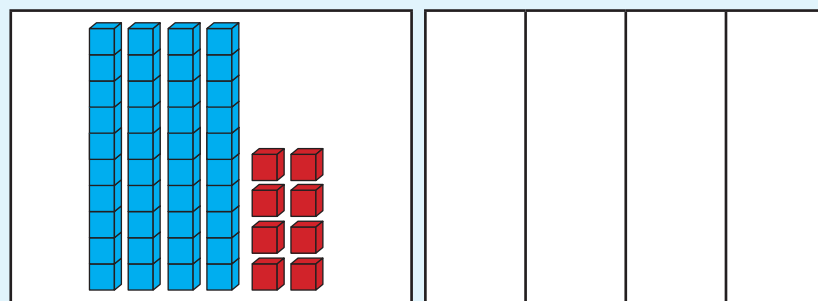
Yenza lezi.

a.



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

b.



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



30b

Usuku:

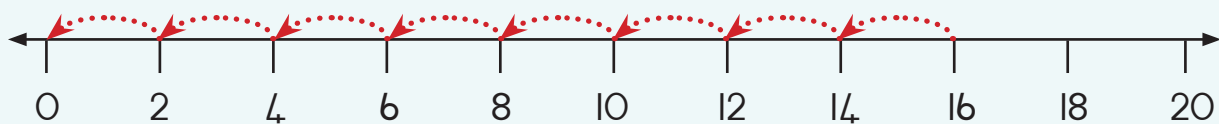
Ithemu I



Ukuhlukanisa (kuyaqhutshwa)

Sebenzisa imigqa yezinombolo ukubhala isibalo sokususa nesokuhlukanisa ngemisho yezinombolo.

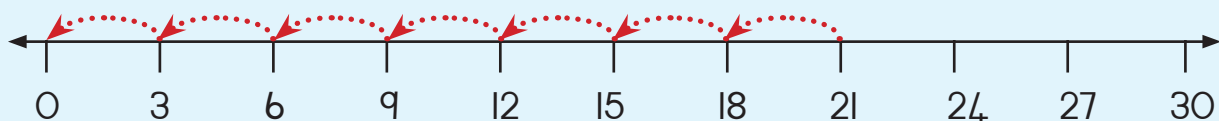
Isibonelo:



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

$$16 \div 2 = 8$$

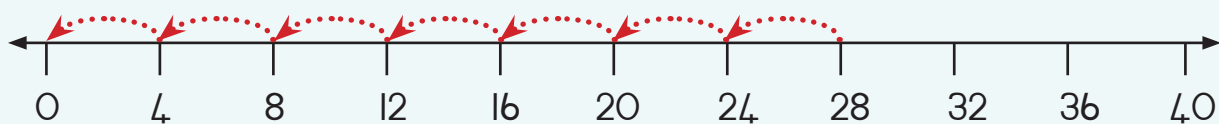
a.



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

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

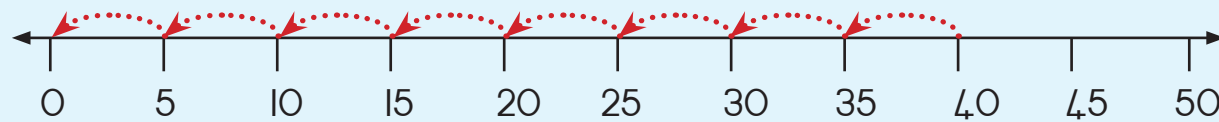
b.



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

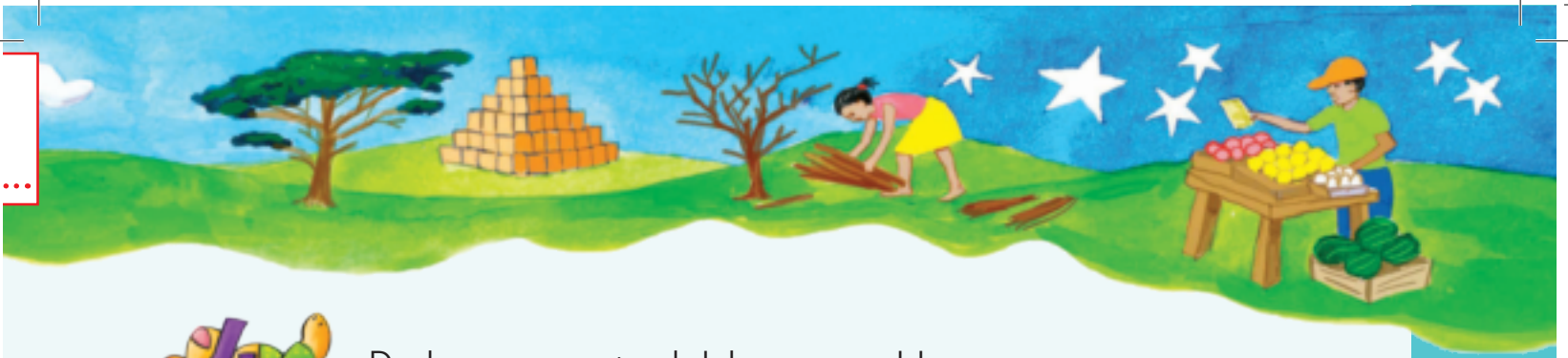
$$\boxed{} \div \boxed{} =$$

c.



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

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



Dweba umugqa wezinombolo bese uwuxazulula.

a. $30 \div 5 =$



b. $22 \div 2 =$



c. $27 \div 3 =$



d. $32 \div 4 =$



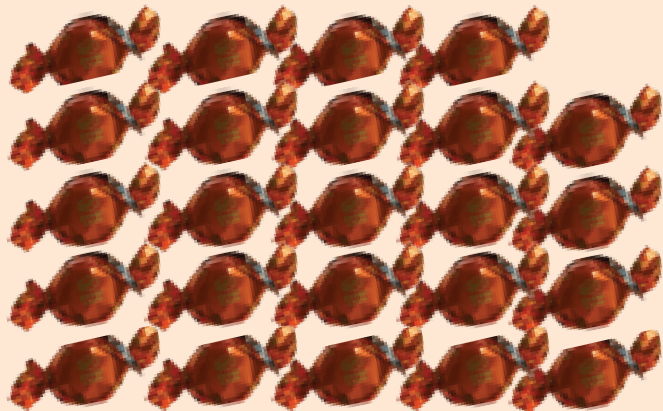
e. $25 \div 5 =$



Inselele

Hlukanisela amaqoqo ahlukene ezingane amaswidi angama-24 ngokulinganayo, ukukhombise lokho ngezindlela ezahlukene.

Bhala imisho yezinombolo ukukhombisa impendulo.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

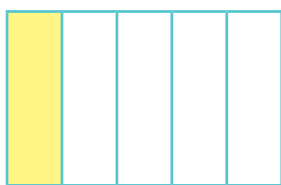


Amaqhezu

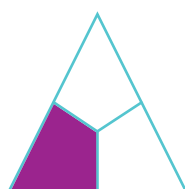
Ithemu I



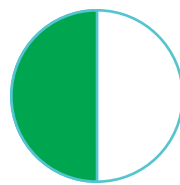
Dweba umugqa uqondanise isimo neqhezu.

Okukodwa
kokuthathu

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

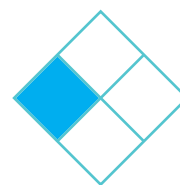
Okukodwa
kokuhanu

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



Ikota

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

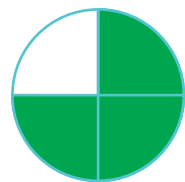


Uhhafu

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

Amakota
amathathu

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

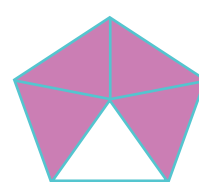
Okune
kokuhanu

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



Okuphelele

$$1$$

Okubili
kokuthathu

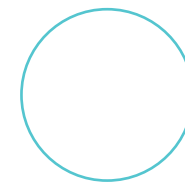
$$\frac{2}{3}$$

Hlukanisa isimo bese ufaka umbala ukukhombisa iqhezu.

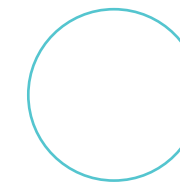


$$\frac{1}{2}$$

Uhhafu

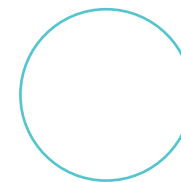


$$\frac{1}{3}$$

Okukodwa
kokuthathu

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

Ikota



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

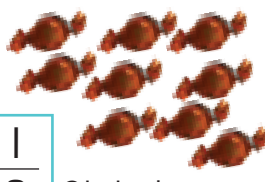
Okukodwa
kokuhanu

Khombisa iqhezu ngokudweba umugqa ukokelezele inani elifanele lamaswidi:

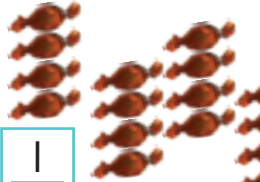


$$\frac{1}{2}$$

Uhhafu

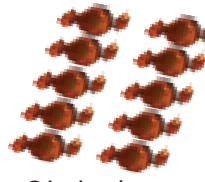


$$\frac{1}{3}$$

Okukodwa
kokuthathu

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

Ikota



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

Okukodwa
kokuhanu

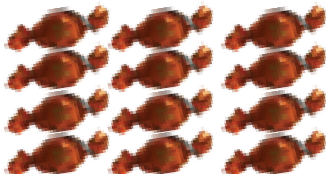
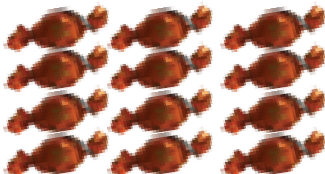


Hlukanisela abantwana ababili izibali.

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Hlukanisela abantwana amaswidi.

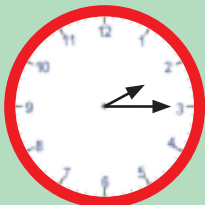
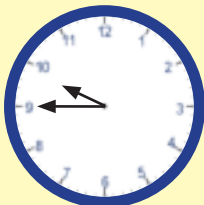
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• Ikota lamaswidi = 3 • Amakota amabili = _____ • Amakota amathathu amaswidi = _____ • Amakota amane amaswidi = _____	• Okukodwa kokuthathu kwamaswidi = _____ • Okubili kokuthathu kwamaswidi = _____ • Okuthathu kokuthathu kwamaswidi = _____														



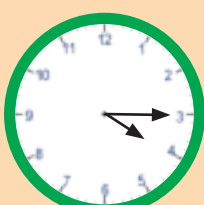


Funda iwashi

Singabhala isikhathi esifanayo ngezindlela ezahlukene.

		
2:15 Iyishumi nanhlanu lishayile elesi-2	5:30 Ligamenxe elesihlanu	9:45 Iyishumi nanhlanu ngaphambi kwele-10

Bhala lezi zikhathi ngezindlela ezi-2 ezahlukene.

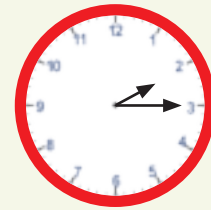
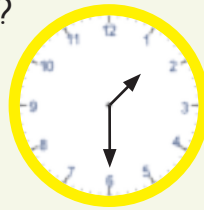


Ukuya ekhaya

Uthatha isikhathi esingakanani uBebe ukufika ekhaya?

imizuzu

amahora



UBebe uyasuka esikoleni. UBebe uyafika ekhaya.



Isikhathi siyagijima

Isikhathi uma ubala
nga-2...



Mingaki imizuzu emahoreni ama-2? _____

Mangaki amahora ezinsukwini ezi-2? _____

Zingaki izinsuku emasontweni ama-2? _____

Zingaki izinyanga eminyakeni emi-2? _____



Zingaki izinsuku?

Mhla zingama-27 kuMbaso – uSuku
LweNkululeko.

Mhla ziye-16 kuNhlanguvana uSuku LweNtsha.

- Kusukela ngoSuku LweNkululeko kuya oSukwini LweNtsha kunezinyanga ezi-_____
ezigcwele, namasonto ama-_____
agcwele kanye nezinsuku ezi-_____.
- Mangaki amasonto aphelele? _____ Zingaki izinsuku ezisele? _____.
Zingaki izinsuku sezizonke? _____.
- Usuku lukaLebu lokuzalwa lungaphambili ngezinsuku
eziyisi-7 oSukwini LweNkululeko. OluKaMusa lusemuva
ngezinsuku ezimbili koLweNtsha.
Ngubani omdala? _____ Mdala ngezinsuku ezingaki? _____

M	L	L	L	L	M	S
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					

M	L	L	L	L	M	S
	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		

M	L	L	L	L	M	S
					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

Hlola. Qhathanisa.
Lungisa.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Siphokophele ema-200



Ukubala izinombolo

Bala bese usho zonke izinombolo kusukela e-101 uye ema-200.
Khomba izinombolo ngenkathi ubala.



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



Ukubhala izinombolo

- Bhala izinombolo ezingekho ezikweleni eziluhlaza.
- Bhala izinombolo ezisele.
- Bhala izinombolo ezili-10 eziza emva kwama-200.

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



Bhala izinombolo ezingekho

a.

200		180			
					110
50					
					0

b.

87		107	
167			
		207	
			237



Qedela

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

Bhala izinombolo ngokulandelana kwazo.

Mazilandelane zisukele kwencane kunazo zonke ziye kwenkulu kunazo zonke.



Qhubeka ubale usuke e-100

Udingani ukufinyelela enombolweni elandelayo?

Qala

100	→ +25 →	125	→		→	129	→		→	138

Qeda

168	←		←	157	←		←	151	←		←	145



Teacher: _____

Sign: _____

Date: _____

Ukusebenza ngamaqoqo ezinombolo



Ukupakisha amakhandlela

UMama wakwaNkosi usebenza embonini yamakhandlela. Uma amakhandlela eselungiswe kahle uwapakisha emashalofini awo.



Mangaki amakhandlela asebhokisini ngalinye? _____

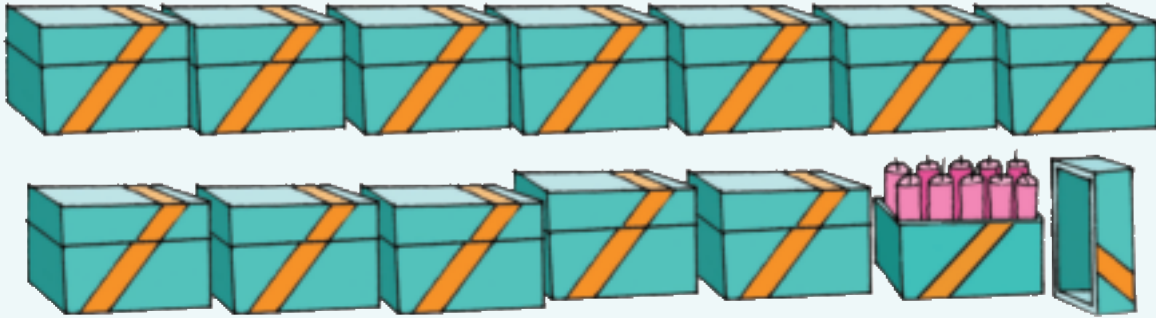
Mangaki amabhokisi aseshalofini ngalinye? _____

Mangaki amakhandlela eshalofini ngalinye? _____



Amabhokisi amakhandlela

Umama wakwaNkosi uyawavala amabhokisi.



a. Bala amabhokisi esewonke.

Mangaki amabhokisi? _____

Mangaki amakhandlela esewonke? _____

Udinga ukuba namabhokisi amangaki azokwenela amakhandlela angama-200? _____

b. Mangaki amakhandlela:

emabhokisini ama-2? _____ 	emabhokisini ama-4? _____ 
emabhokisini ama-5? _____ 	emabhokisini ama-3? _____ 
emabhokisini ayi-6? _____ 	emabhokisini ayi-7? _____ 

c. Udinga amabhokisi amangaki ngalokhu?

 a-40, amabhokisi a- _____	 a-70, amabhokisi a- _____
 a-50, amabhokisi a- _____	 a-30, amabhokisi a- _____



35a

Usuku:

Ithemu 2

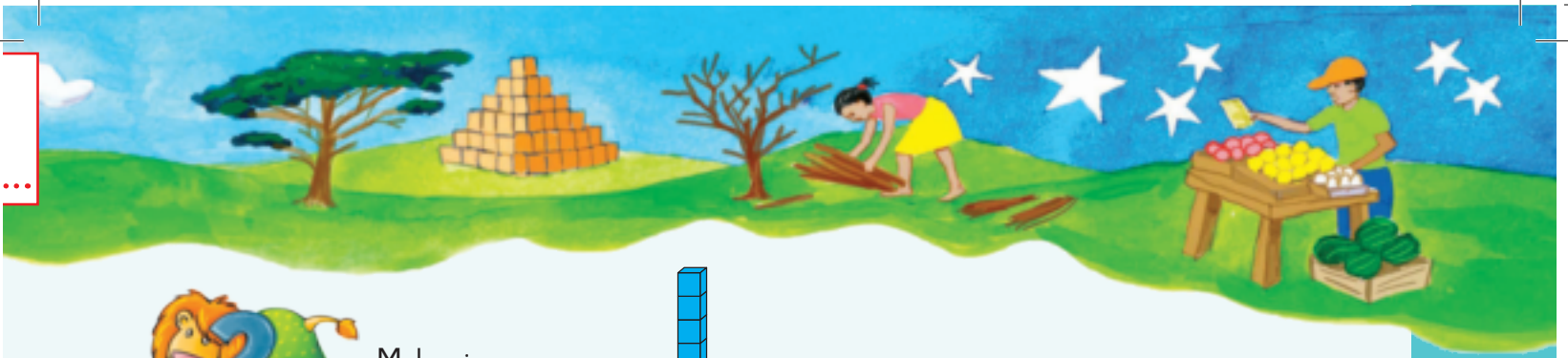


Ukubeka amashumi ndawonye
kanye nokuwehlukanisa

Ukubeka amashumi ndawonye uma uhlanganisa

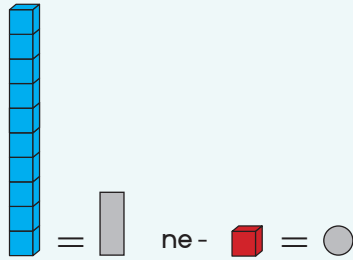
Masihlanganise $56 + 73 =$		+	
	amashumi ama-5 nemivo eyi-6		amashumi ayi-7 nemivo emi-3

ama-100	ama-10	imivo
Sekukonke sinamashumi ayi-12. Singawabeka ama-10 ayishumi ndawonye ukwenza i-100.		



Make sizame.

Isibonelo: $82 + 34$



$$100 + 20 + 6 = 126$$

b. $65 + 52$

c. $76 + 63$

d. $86 + 65$



Teacher: _____

Sign: _____

Date: _____

11 12 13 14 15 16 17 18 19 20



35b

Usuku:

Ithemu 2

Ukubeka amashumi ndawonye kanye nokuwehlukanisa (kuyaqhutshwa)



Ukubeka amaqoqo ndawonye

Sebenzisa amabhokisi amandla enombolo.

Sebenzisa amabhulokhi amashumi ukwenza lezi zinombolo ezimbili.	Sekukonke mangaki amashumi? Mingaki imivo?	Wenzi yaba ngamaqoqo, amashumi noma imivo? Thola amandla enombolo lapho wenze iqoqo kabusha khona.	Bhala inombolo
$23 + 99 =$	_____ amashumi _____ imivo	11 amashumi + 12 imivo $= 110 + 12$	122
$38 + 25 =$	_____ amashumi _____ imivo		
$77 + 31 =$	_____ amashumi _____ imivo		
$68 + 45 =$	_____ amashumi _____ imivo		
$83 + 47 =$	_____ amashumi _____ imivo		



Ukubeka amashumi eceleni uma senza isibalo sokususa

Uma sisusa, siyaye sidinge ukukhombisa ishumi elilodwa sithi yimivo eyishumi, kumbe ikhulu elilodwa ngokuthi amashumi ayi-10.

Make sisuse: $60 - 55 =$

Sigala ngamashumi ayi-6 nomuvo ongekho. Sifuna ukususa amashumi amahlanu nemivo emihlanu.
(Sifaka umbala ompunga kuleyo mivo esiyisusayo.)

Sikhombisa amashumi ayisi-6 kanje.	Noma amashumi ama-5 nemivo eyi-10.	Susa amashumi ama-5 nemivo emi-5. Kusala imivo emihlanu.	
		$60 - 55 = 5$	



Make sizame.

a. $70 - 28$

Amashumi ayi-7	amashumi ayi-6 nemivo eyi-10	$70 - 28 =$	

b. $90 - 46$

c. $80 - 53$



Ukuthola amapheya ezinombolo.

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	



Teacher: _____
Sign: _____
Date: _____



Sivakashela udokotela wamazinyo

Iqenjana labantwana livakashela udokotela wamazinyo.



Niwaxubha kangaki amazinyo ngosuku?

Nazi izimpendulo zabantwana.

= 1 kanye

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

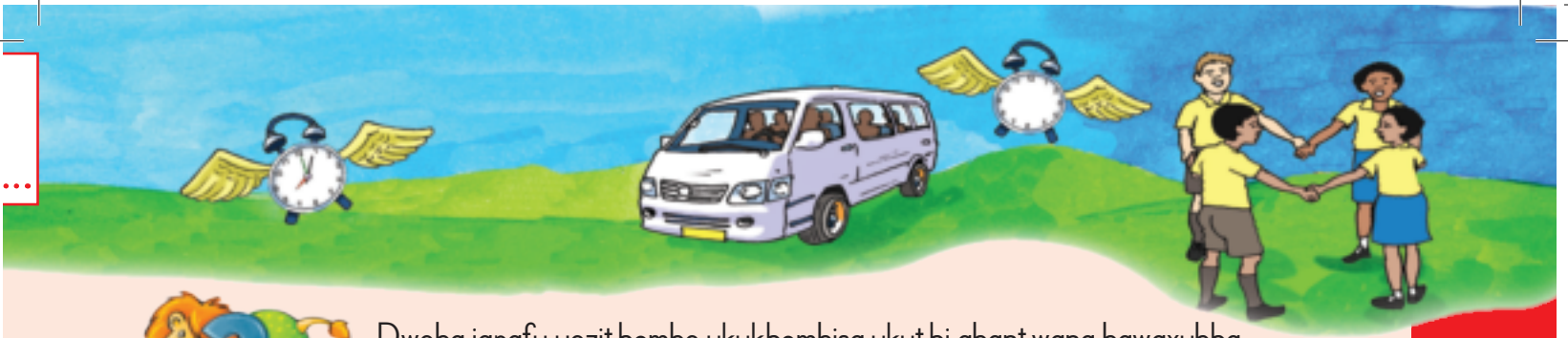
- a. Bala okufakwe uphawu (✓) ukhombise ukuthi abantwana bawageza kangaki amazinyo. Bhala izinombolo.

 Kanye ngosuku	
 Kabili ngosuku	
 Kathathu ngosuku	

- b. Ubonani kuleli thebhula?

Abantwana abaningi baxubha amazinyo ka- _____ ngosuku.

Abantwana abancane baxubha amazinyo ka- _____ ngosuku.



Dweba igrafu yezithombe ukukhombisa ukuthi abantwana bawaxubha kangaki amazinyo ngosuku.



= Kanye ngosuku



Yenza inhlolovo eklasini. Buza abantwana abayi-15–20:

- Babuze ukuthi bawaxubha kangaki amazinyo ngosuku. _____
- Dweba igrafu yezithombe efana nale engenhla ukhombise izinto ozitholile.



11 12 13 14 15 16 17 18 19 20



Hlanganisa uxube



Ukubhala isibalo sakho

UBusi uhlanganisa imivo namashumi bese akha amaqoqo kabusha, bese esusa ephepheni ngaphandle kwamabholokhi. Ngesinye isikhathi uyathanda ukuqala ngamakhadi ezinombolo ukukhombisa izinombolo zakhe.

Uthola la makhadi uma elungiselela izinombolo $56 + 73$:

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

Uhlanganisa imivo abeke ikhadi lokuyi-9.

Uyazi ukuthi: $50 + 70 = 120$.

Usebenzisa ikhadi lamakhulu, lama-20 nele-9
ukwenza inombolo enamadijithi ama-3.

Lokhu ukubhala kanje:

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



UDumi uyazi ukuthi amabhulokhi asebenza kanjani: Wenza ama-56 + 73 kanje:

$$50 + 6 + 70 + 3$$

$$120 + 9$$
$$= 129$$

U-Aakar uyathanda ukusondezela. Ukwenza kanje:

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





Ake uzame wena-ke manje. Yenza lokhu ngakunye ngezindlela ezimbili.

a. $86 + 62$

Indlela kaBusi

$$80 + 60 + 6 + 2$$



Indlela kaDumi

$$80 + 6 + 60 + 2$$



b. $72 + 63$

c. $81 + 57$

d. $69 + 71$

Sebenzisa indlela ka-Aakar ukwenza lesi.



Teacher:
Sign:
Date:

37b

Usuku:

Ithemu 2



Hlanganisa uxube (kuyaqhutshwa)

Make sisuse manje.

a. $87 - 53$

Indlela kaBusi

$$80 - 50 + 7 - 3$$

$$= 30 + 4$$

$$= 34$$



Indlela kaDumi

$$80 + 7 - 50 + 3$$

$$= 30 + 4$$

$$= 34$$



b. $95 - 73$

c. $86 - 62$

d. $85 - 69$



Xazulula!

Ziningi izindlela zokuhlanganisa **imivo** namashumi ndawonye. Khetha indlela oyithandayo noyazi kangcono ukuxazulula lezi zinkinga. Khombisa umsebenzi owenzile.

- a. UPhiwe ucosha amapetshisi angama-34, uphinda uthola angama-67.
Mangaki amapetshisi esewonke?



- b. Abantwana bakwaMalusi bongela imali engama-R47 ngokuhlanganyela. Unina wabapha amanye ama-R58. Banamalini seyiyonke manje?



- c. Isikole sihamba ngebhasi ama-88 km ekuseni, nama-73 km ntambama. Mangaki ama-km ahanjwa isikole ngebhasi ngosuku?



Xazulula!



Izivalo zamabhodlela

Sebenzisa noma iyiphi indlela oyithandayo.
Khombisa ukuthi ukwenze kanjani.



USipho



U-Andile

USipho ubala aze afike ema-87 ngezivalo zamabhodlela. U-Andile ubala afike ema-38.
USipho udlula u-Andile ngezivalo ezingaki zamabhodlela?



Ikhonsathi lesikole



UMusa



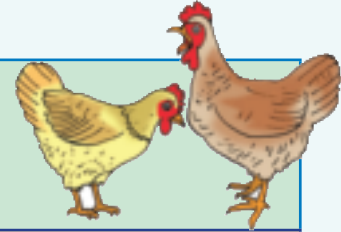
UMusa uthengisa amathikithi. Ubephethe angama-92 ekuqaleni. Usesele nangama-67. Uthengise amangaki empeleni uMusa okwamanje?



Siyaqhubeka nokuzejwayeza



Kukhona izinkukhu ezingama-69 enkanjini, nezingama-95 kwenye inkambu. Zingaki izinkukhu sezizonke? Funda ukuthi uGugu no-Aakar basenza kanjani lesi sibalo.



Indlela kaGugu

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



Indlela ka-Aakar

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

Ngisuse oku-l. Uyazi ukuthi kungasizathu sini?



a. Abafana banikwe ama-R96 ngohambo lwesikole. Amantombazana ama-R79. Malini seyiyonke?

Sebenzisa indlela kaGugu

Sebenzisa indlela ka-Aakar

b. Isikole siqoqe ama-kg angama-76 amakani. Esinye sithole ama-68 kg amakani. Mangaki amakani alezi zikole zombili esewonke?

Sebenzisa indlela kaGugu

Sebenzisa indlela ka-Aakar



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Ukubala nokwenza isibalo



Ukuthola ingxenye.

Bhala izinombolo ezingekho.

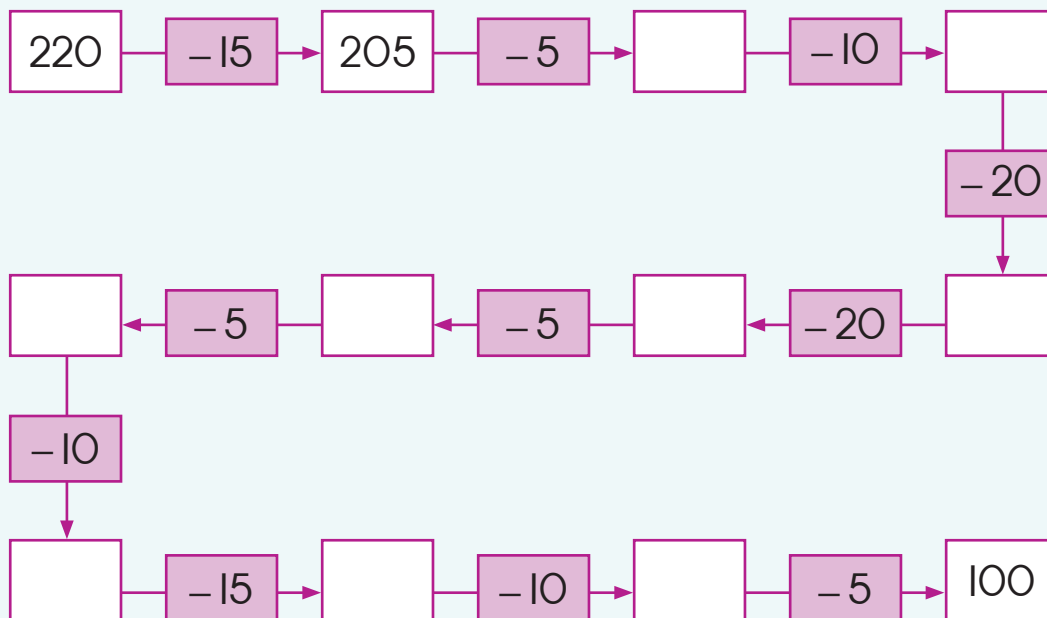
a.	100		27
b.	100	39	
c.	100	43	
d.	100	56	
e.	200	140	
f.	200		110
g.	200	135	
h.	200		120



Ukususa ema-220 kuhlehlela e-100

Yibe lokhu ususa izinombolo ezisebhokisini eliphinki.

Sikwenzele okokuqala.



Nansi
indlela
yokuhlola
izimpendulo.

Qala e-100.

Phindela
ema-220.

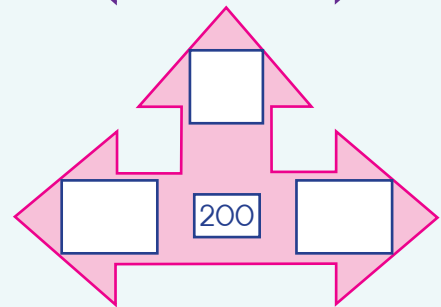
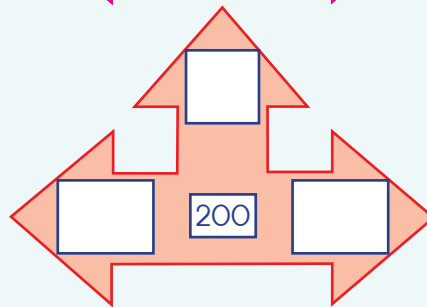
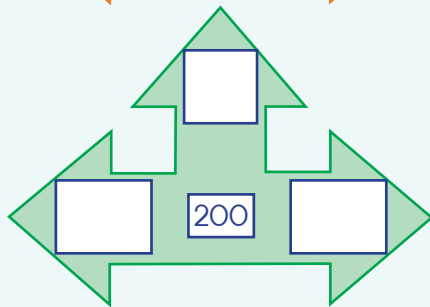
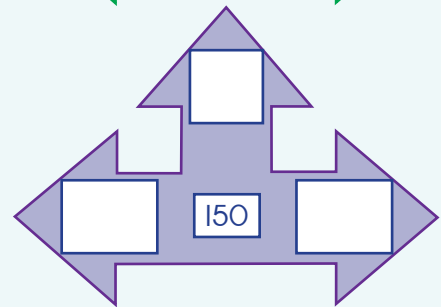
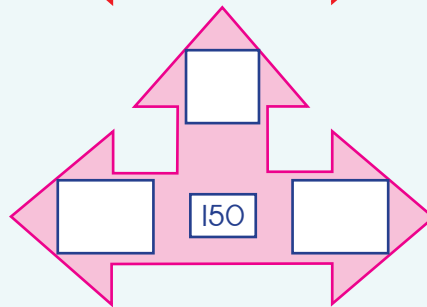
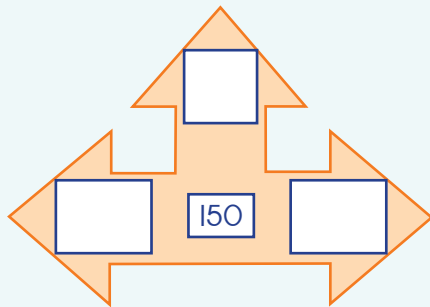
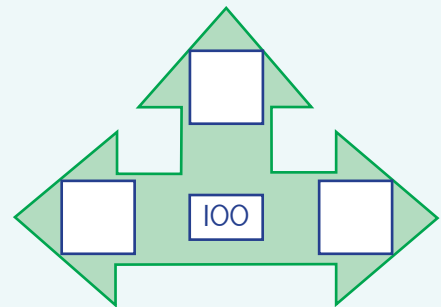
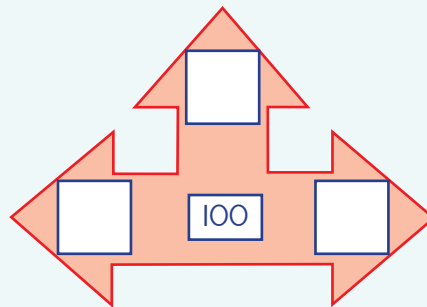
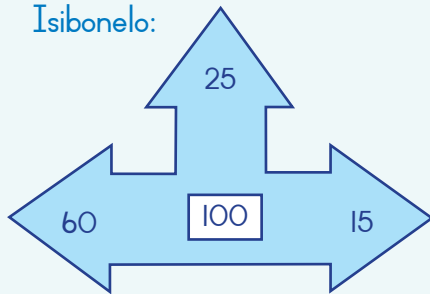
Manje,
hlanganisa
izinombolo.



Imindeni yokuthathu

Thola izinombolo ezi-3 ozihlanganisa zize zifinyelele enombolweni oyiphokophele.
Umthetho: Yinye inombolo engaphelela e-0.

Isibonelo:



Ukuhlanganisa ama-50 nokususa ama-50

Bhala izimpendulo emugqeni wesibili.

+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: _____

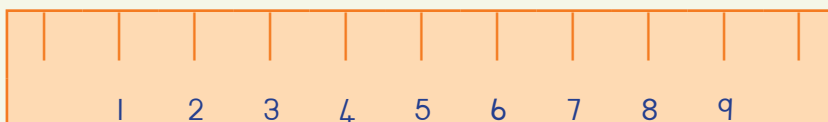
40

Usuku:

Ukukala ngamasentimitha



Lide kangakanani isentimitha?



Izinombolo eruleni zimele amasentimitha. Sifinyeza isentimitha sithi cm.

Uma usebenzisa irula kumele uqale ukukala ezengeni lika-O.

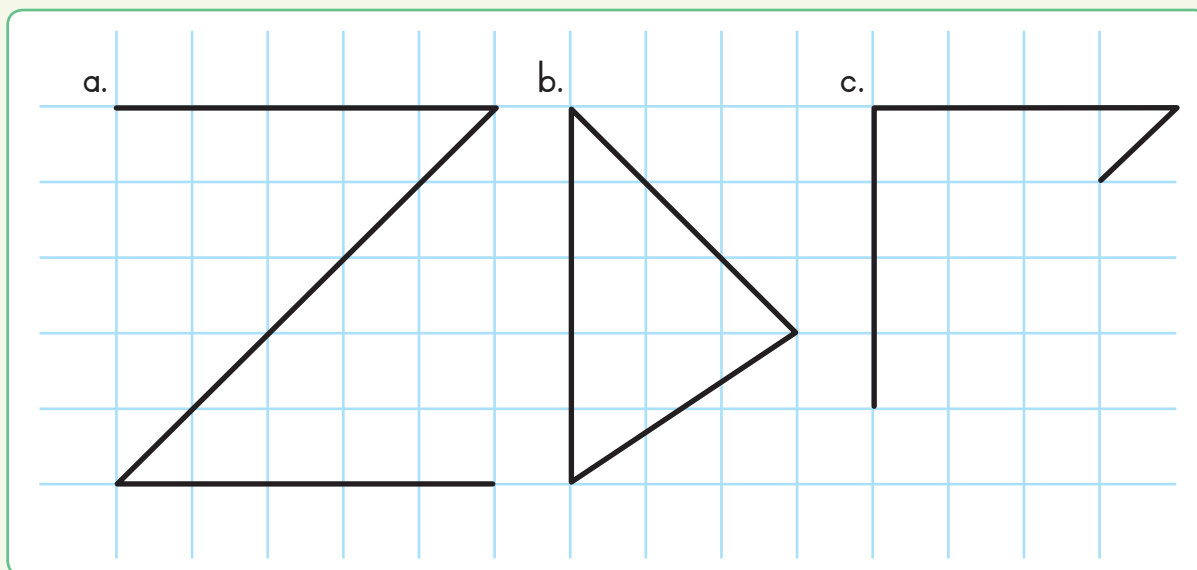
Amanye amarula awalivezi izenga lika-O, enza njengaleli elikuleli khasi.

Thola u-O cm eruleni. Beka iphrestiki lapho ucabanga ukuthi u-O ukhona.

Ukuphi u-10 cm eruleni? Bhala IO khona lapho.



Linganisela, bese ukala ngokunembayo ngerula, isamba sobude bale migqa ngama-cm.



a. Linganisela		cm	b. Linganisela		cm	c. Linganisela		cm
Kala		cm	Kala		cm	Kala		cm



Mude kangakanani umugqa ngamunye?

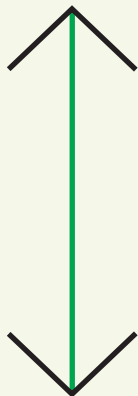
Umugqa ngamunye kungabe mude ngama - cm amangaki?

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



Uqinisekile?

Yikuphi okude kunokunye? Kungabe wumugqa obomvu noma oluhlaza satshani?
Uzokuthola kanjani lokho?



Yile nto esiyibiza ngokukhohliseka kwamehlo. Kwenzeka uma amehlo akho kuba sengathi abona into engekho lapha. Le migqa iyalingana ngobude. Lo obomvu umugqa mude ngokulinganayo nalona oluhlaza. Ukukhomba ngaphakathi komcibisholo kwenza umugqa obomvu ubukeke umfushane. Imigqa emnyama ngokukhomba kwayo ngaphandle kwenza umugqa obomvu ubukeke umude, bese kuthi imigqa emnyama ekhomba ngaphakathi kwenze umugqa oluhlaza ubukeke umfushane.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

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Siphokophele ema-300



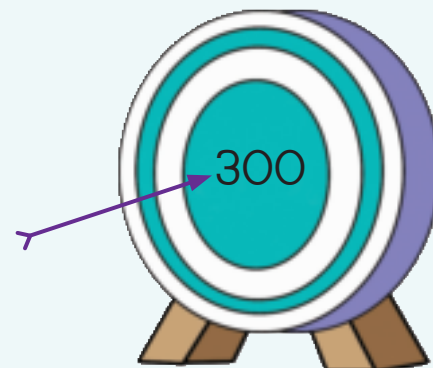
Ukubala nokubhala ama-200

Bala usukele ema-201 uye ema-300.

Khomba ngenkathi ubala.

Gcwalisa izinombolo eziluhlaza sasibhakabhaka kuqala.

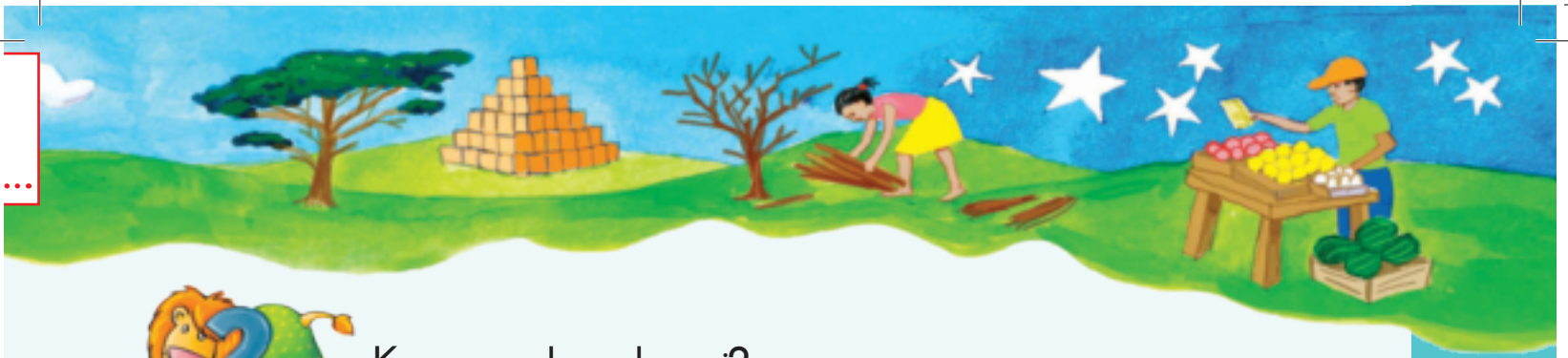
Bhala zonke ezinye izinombolo.



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

Bhala ama-10 alandela emva kwama-300.

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



Kugxunywe kangakanani?

301		281					
		171				211	
					101		



Ukukhombisa nokuqhathanisa

a. Bhala izinombolo ezihambisana nekhadi ngalinye.

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

b. Bhala izinombolo zilandelane zisukele kwencane kunazo zonke ziye kwenkulu kunazo zonke.

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



Yini eguqukile? Bhala izinombolo ezingekho.

Qala

200	+ 25	225		237		249

Qedela

300		286		278		261



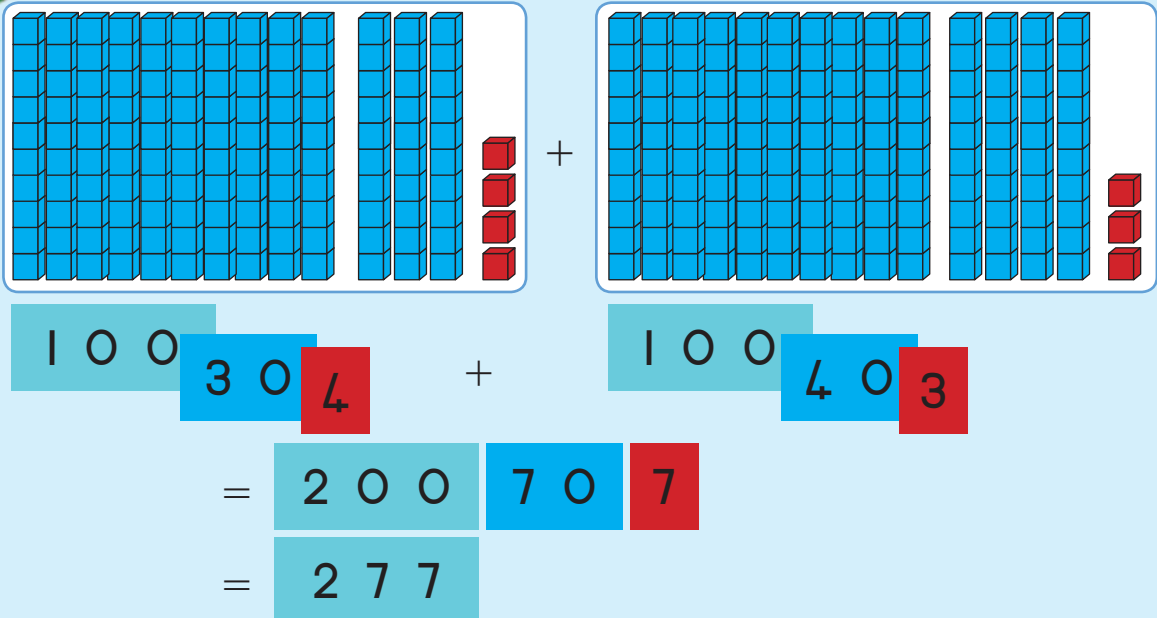
Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Ukuhlunganisa nokususa ngama-100



Ukuhlunganisa usebenzisa amabhulokhi.



Landela izindlela ezimbili. Khombisa impendulo ngayinye ngezindlela ezimbili.

a. $132 + 123$

Indlela kaBusi

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



Indlela kaDumi

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



b. $114 + 162$



c. $276 + 148$



Fundisisa indlela ngayinye. Yenza isibalo usebenzise izindlela ezimbili.

a. $158 - 146$

Indlela kaBusi

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



Indlela kaDumi

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



b. $194 - 122$

c. $288 - 199$

Teacher:
Sign:
Date:

43

Usuku:

Ithemu 2

Siphokophele ema-400

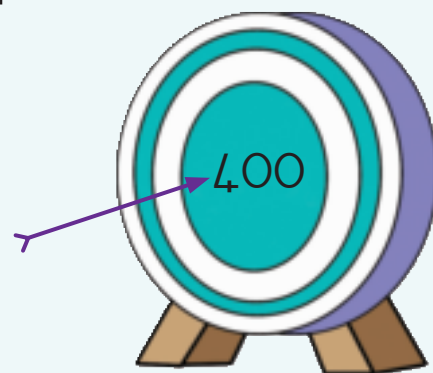


Ukubala nokubhala uye ema-400

Bala uqhubeke usuke ema-300 – 400.

Zisho izinombolo ngenkathi ubala.

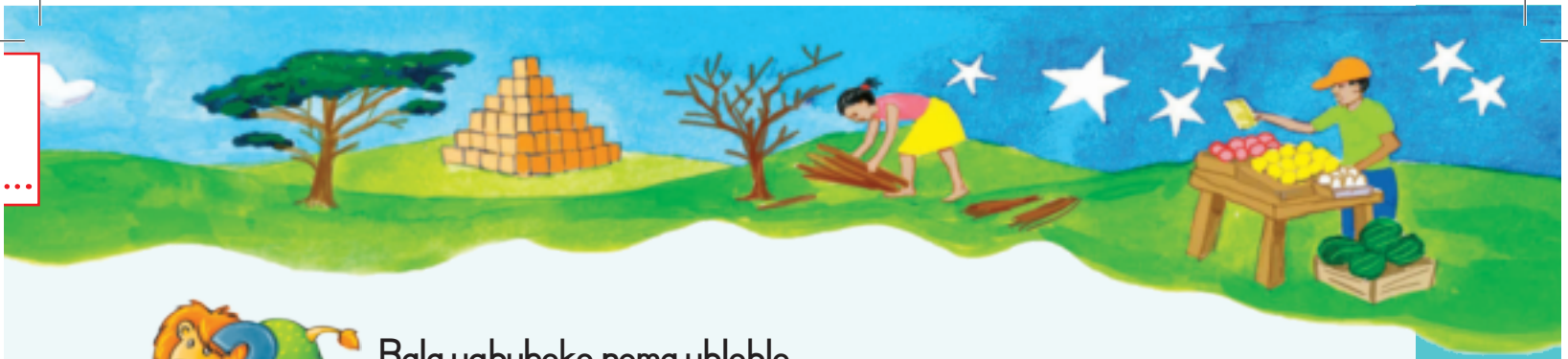
Bhala izinombolo ezingekho kugridi.



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

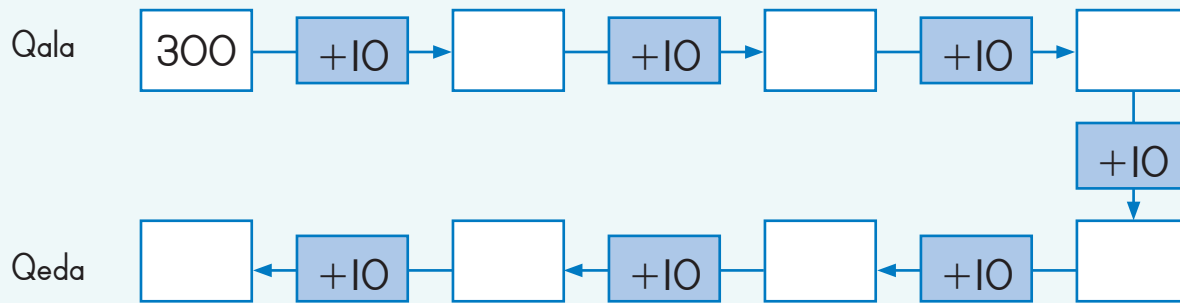
Bhala izinombolo eziyi-9 emva kwama-400.

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

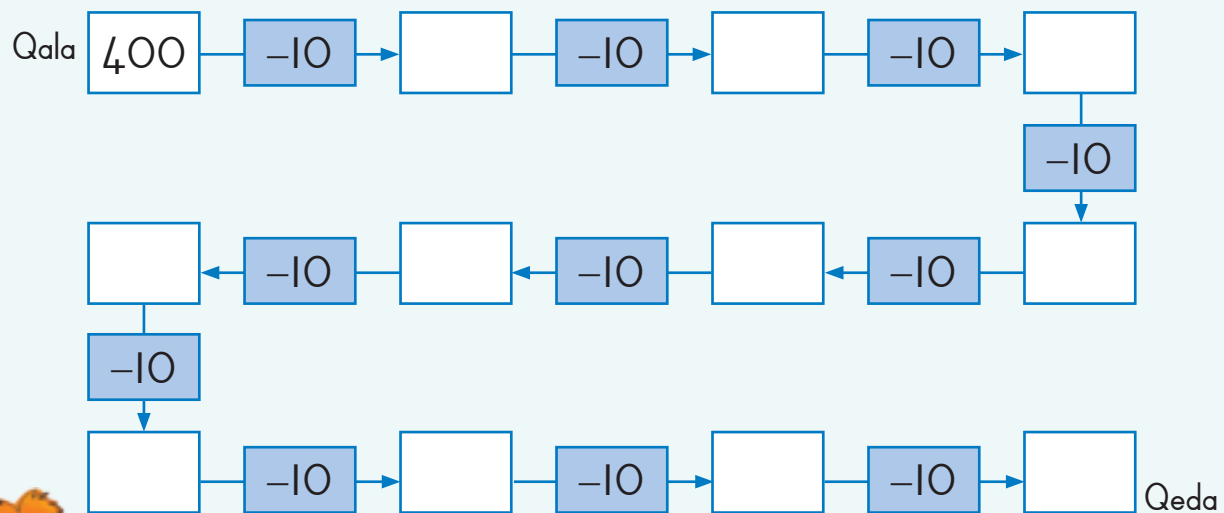


Bala uqhubeke noma uhlehle.

a. Ukubala uqhubeke usukele ema - 300 ubala ngamashumi.



b. Bala uhlehle usukele ema - 400 ubala ngamashumi.



Bhala inombolo eyodwa.

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

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

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

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

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

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

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

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

Bhala izinombolo zilandelane zisukele kwencane kunazo zonke ziye kwenkulu kunazo zonke.



Teacher: _____
Sign: _____
Date: _____

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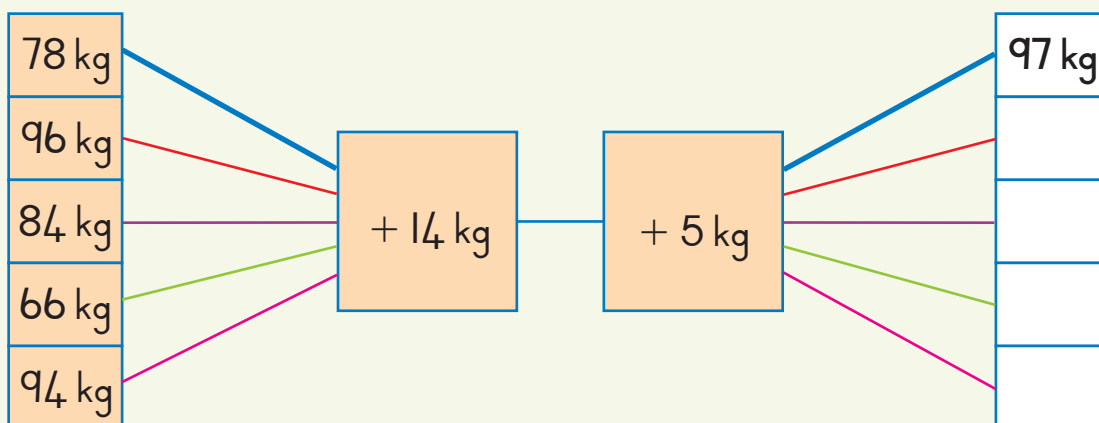
Usuku:

Ithemu 2

Ukukala isisindo



Faka amanye amakhilogramu.
Hlanganisa bese ubhala izimpendulo.



Ukusondezela nokuhlanganisa!

Cabanga ngobuhlakani!

Impungushe 25 kg	Ufudu 98 kg	Imfene 59 kg	Inkonyane yedube 88 kg	Inyoni 9 kg

Sondezela isisindo sesilwane ngasinye e-10 kg.

Bhala isisindo sesilwane ngasinye usilandelanise usukele kwesilula uye kwesisindayo.

Linganisela isamba sesisindo sezilwane zo-5.



Hlanganisa isisindo sazo



Ngingase ngingasindi njengawe.
Ngiwufudu oludala, kodwa ngiyashesha!



Izindlela

- Sebenzisa amanani asondezelwe ukulinganisela lokhu.
- Linganisela isisindo sezilwane ezisemgqeni ngamunye.
- Bala isamba usebenzisa isisindo sangempela.
- Qhathanisa isamba sokuqala nesesibili bese ubhala umahluko.

	Ngiyalinganisela	Ngiyabala	Umahluko
 + 			
 +  + 			
 +  + 			



Isisindo sikaVusi

Hlola. Qhathanisa. Lungisa.

UVusi uhlanganisa isisindo sakhe nezisindo ze-  kanye nezo-  .

Isamba sesisindo ngama- **239 kg**. Usinda kangakanani uVusi? Khombisa impendulo.



Singakanani isisindo sami?

Dlalani njengeqembu. Dedelanani ...

Hlanganisa isisindo sakho nesesilwane esithile. Thola isamba. Chazela iqembu lakho ukuthi impendulo ithini. Ungakhombisi muntu ukuthi uyithole kanjani impendulo. Kumele bazizamele bona ukuthola isisindo sakho.

Teacher: _____

Sign: _____

Date: _____

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Usuku:

Ithemu 2

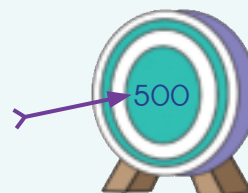


Siphokophele ema-500

Ukubala nokubhala

400

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



- Bala uqhubeke usuke ema-400. Zisho izinombolo ngenkathi ubala.
- Bhala izinombolo ezingekho kugridi.
- Bhala izinombolo eziyi-9 emva kwama-500.

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

- Bala ngaku-2. Bhala izinombolo ezi-8 ezilandelayo **ngephethini** langaku-2.

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

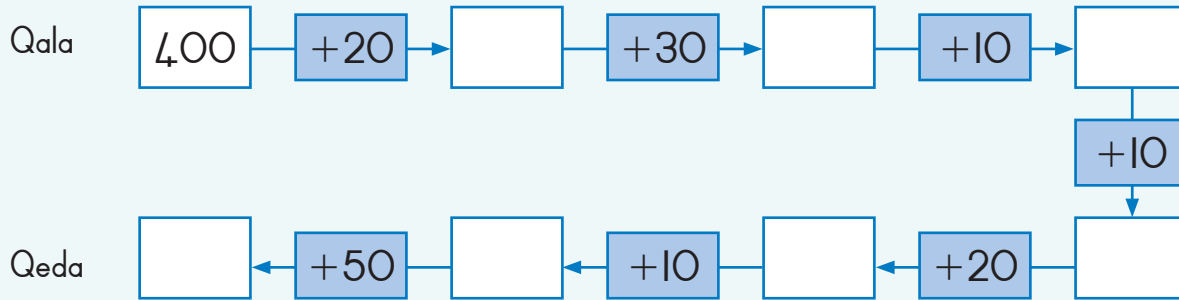
- Bala ngaku-5. Bhala izinombolo ezi-8 ezilandelayo **ngephethini** langaku-5

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

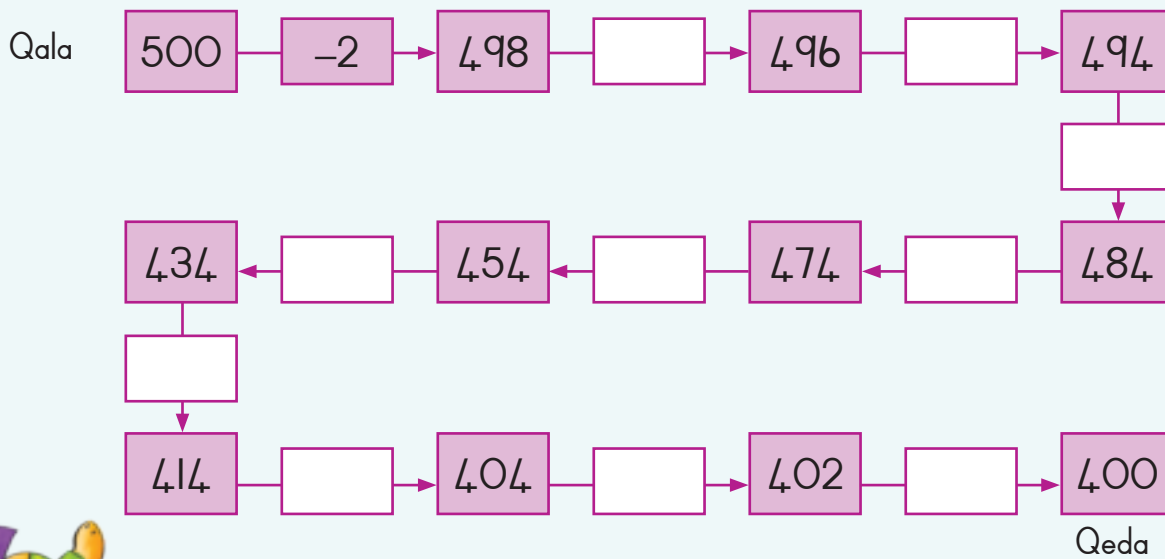


Gcwalisa ngezinzombolo ezidingekayo.

a. Hlanganisa uqhubeke usukela ema-400.



b. Bala uhlehle usukele ema-500.



Ukukhombisa izinombolo. Landela isibonelo.

Thola isamba. Sebenzisa amakhadi ezinombolo ukukhombisa lesi samba ngasinye.

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

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



46

Usuku:

Okunye ngokuhlanganisa nokususa

Ithemu 2

200

50

4

200

30

5

400

80

9

489



Uzosebenzisa indlela kaBusi nekaDumi ukuhlanganisa okulandelayo.

a. $245 + 231$

Indlela kaBusi

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

$$= 400 + 70 + 1$$

$$= 471$$



Indlela kaDumi

$$245 + 231$$

$$= 400 + 70 + 6$$

$$= 471$$



b. $278 + 136$

c. $265 + 148$



Sizosebenzisa indlela kaBusi nekaDumi ukususa kulesi sibalo.

a. $476 - 324$

Indlela kaBusi

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

$$= 100 + 50 + 2$$

$$= 152$$



Indlela kaDumi

$$476 - 324$$

$$= 100 + 50 + 2$$

$$= 152$$

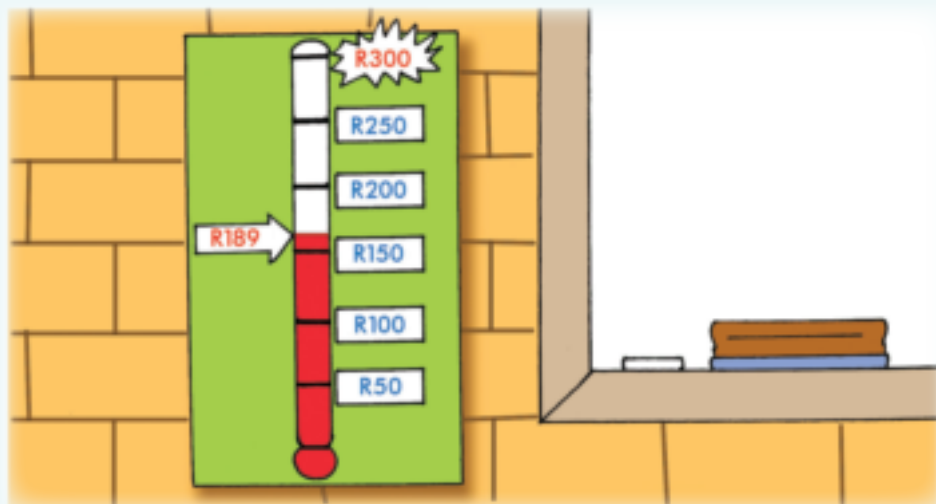


b. $489 - 456$

c. $482 - 161$



Ukufinyelela lapho siphokophele khona



Cubungula lesi sithombe.

Kudingeka okungakanani ukufinyelela lapho kuphokophelwe khona.

R



Teacher: _____

Sign: _____

Date: _____

11 12 13 14 15 16 17 18 19 20



Intaba yemfihlo

Ibizwa ngokuthini intaba ephakeme kunazo zonke eGauteng? Sebenzisa ikhodi ukuyithola. Qondanisa impendulo nohlamvu olukukhodi.

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

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

Igama lentaba yi:-



Bheka, cabanga uphendule!



- a. Inombolo 16 yakha siphi isimo? Faka uphawu (✓) empendulweni efanele. * * * * *
- Inombolo 18 yakha siphi isimo? Faka uphawu (✓) empendulweni efanele. * * * * *
- Inombolo 23 yakha siphi isimo? Faka uphawu (✓) empendulweni efanele. * * * * *

- b. Inombolo 50 izoba *.
- Inombolo 100 izoba *.
- Inombolo 28 izoba *.
- yiQiniso noma yiPhutha?
- yiQiniso noma yiPhutha?
- yiQiniso noma yiPhutha?



Yikuphi okungaphezulu kokunye?

U-R2,50 ngosuku wemali
yokuzijabulisa ngoJuni nangoJulayi
kumbe u-R150 ngosuku lokuqala ku-
Agasti?

Khombisa ukuthi ufinyelele kanjani
empendulweni.

Hlola. Qhathanisa. Lungisa.

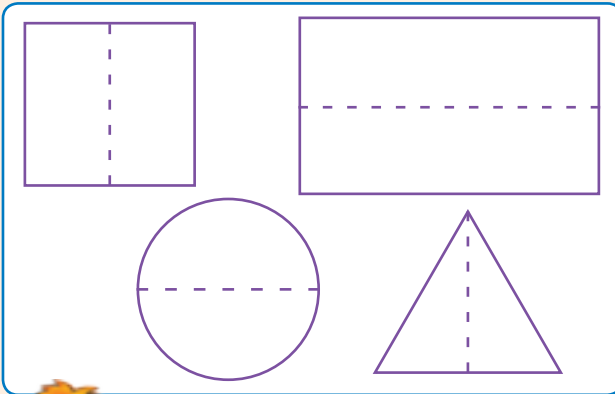


Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Ukufana nxazombili

Yini eqapheleka ngalezi zimo?



Umugqa ofanisayo uhlukanisa isimo kabili kuthi izingxenye ezihlukanisiwe zikhombise ukufana njengokuzibuka esibukweni.

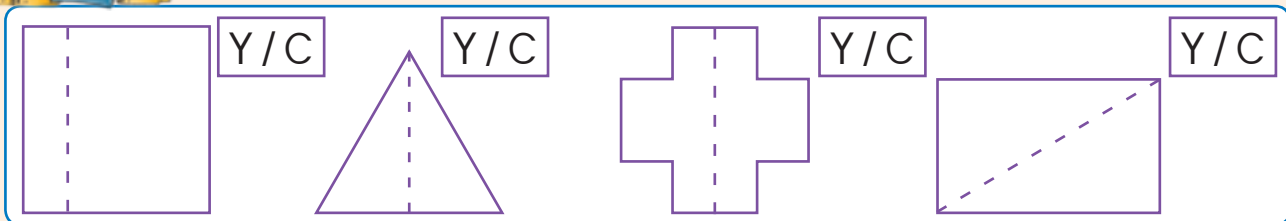
Isimo siba nokufana kuso uma sigqwa silandele umugqa ophakathi naphakathi bese kuthi ohhafu abavela lapho bafane ncimishi.



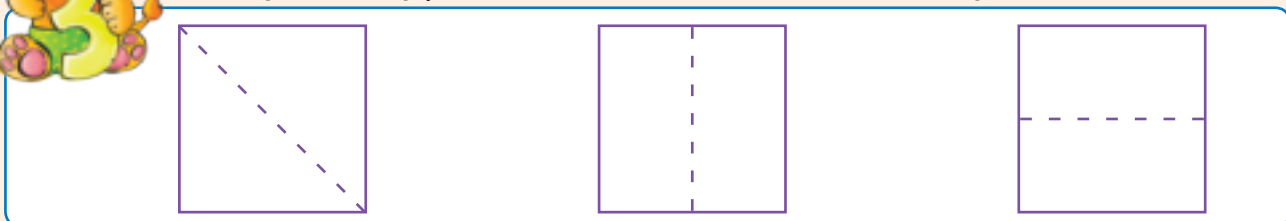
Dweba umugqa ohlukanisa phakathi isimo ngasinye.

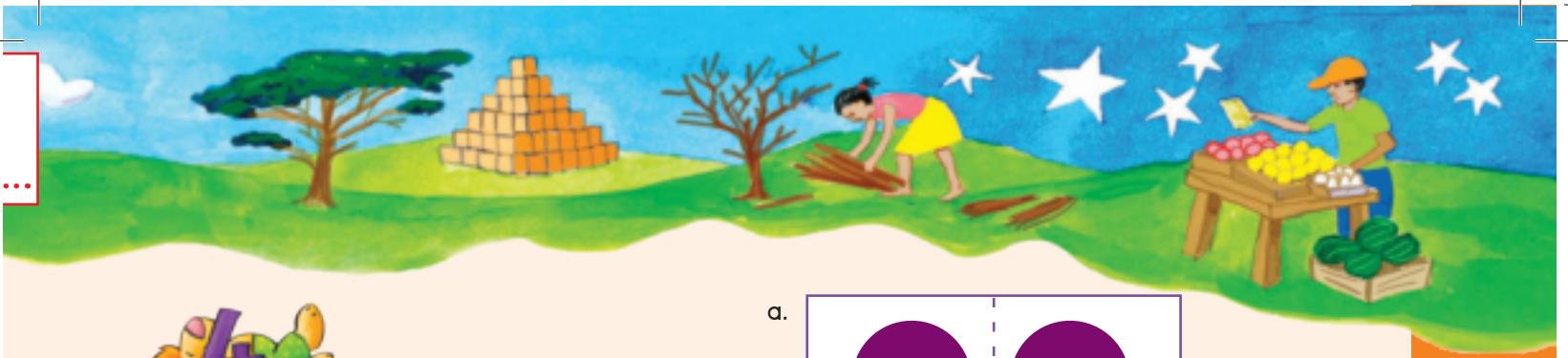


Ngabe lo mugqa wamachashazi uyikho yini lokhu okuchazwe ngenhla. Kokelezela (Y) Yebo noma (C) Cha.



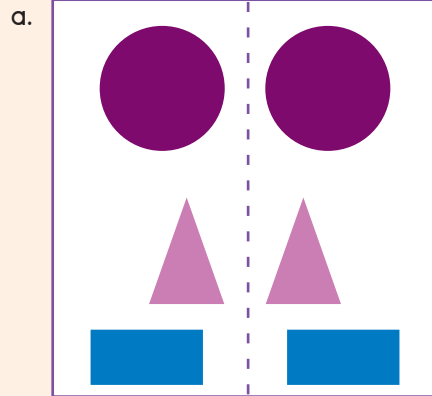
Kungabe lo mugqa wakha ohhafu abafana ncimishi? Usho ngani?



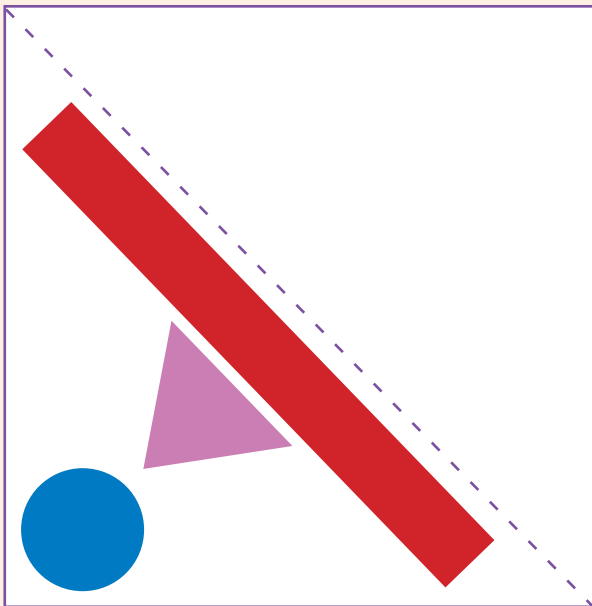


Dweba izimo wenze isithombe sibe nohhafu abafana ncimishi.

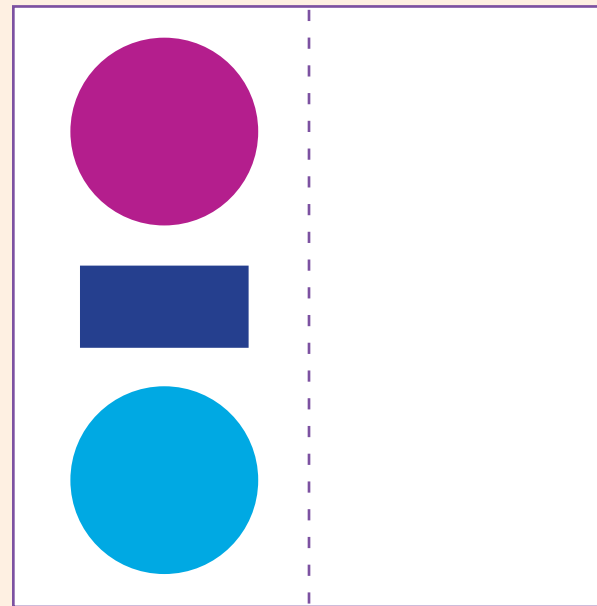
Sikwenzele okokuqala.



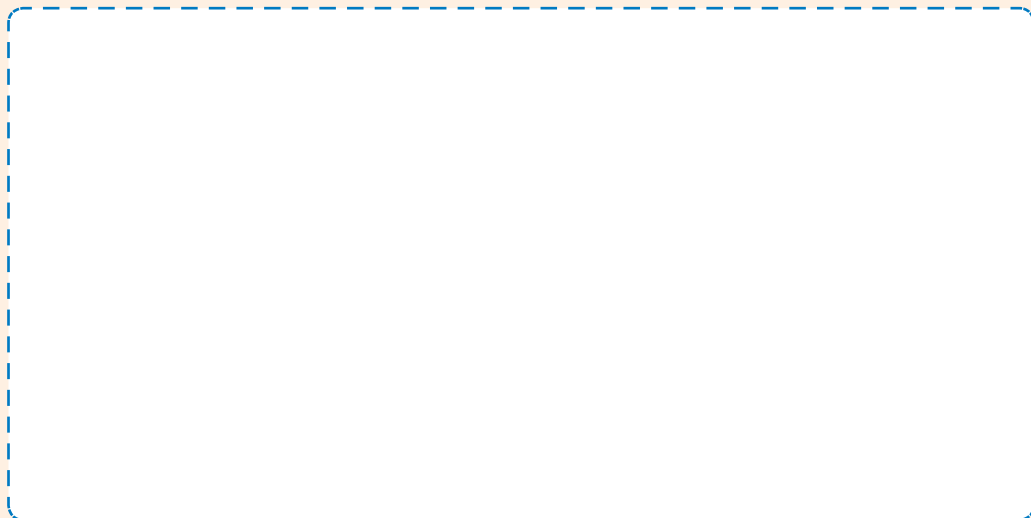
b.



c.



Yenza ukhaphethi wakho usebenzisa lezi zimo.



11 12 13 14 15 16 17 18 19 20

49

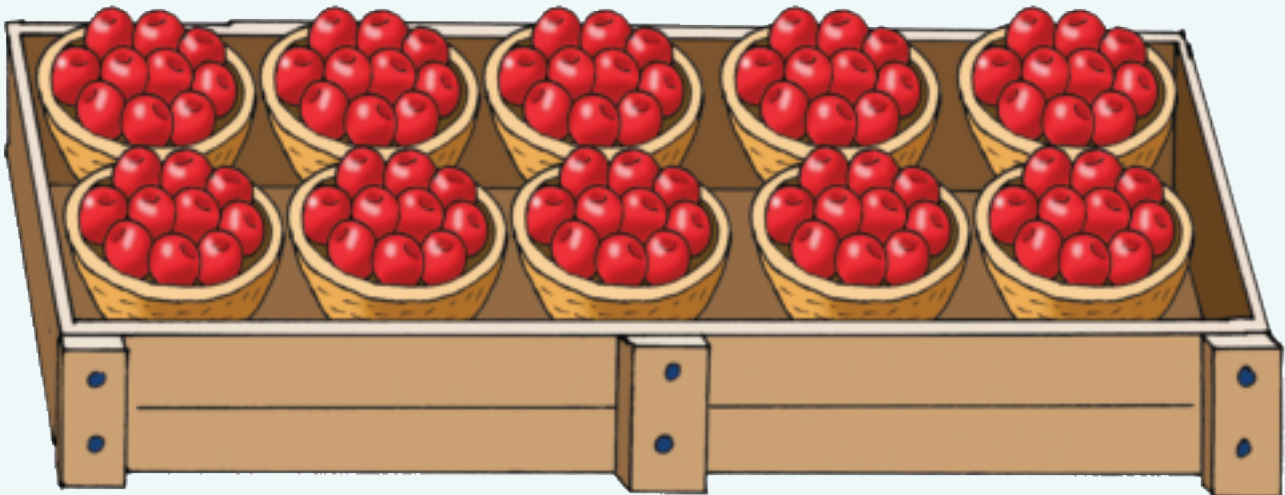
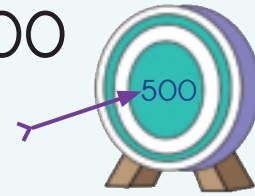
Usuku:

Ithemu 2



Ukwakha ufinyelele ema-500

Ukubala ama-aphula



Qedela bese uphindaphinda

Ubhasikidi o-1 uphatha ama-aphula a-_____.	$1 \times 10 = 10$
Obhasikidi aba-3 baphatha ama-aphula a-_____.	$3 \times 10 =$
Obhasikidi aba-5 baphatha ama-aphula a-_____.	
Obhasikidi aba-4 baphatha ama-aphula a-_____.	
Obhasikidi aba-2 baphatha ama-aphula a-_____.	

Ibhokisi eli-1 liphatha ama-aphula a-100.	Amabhokisi ama-2 aphatha ama-aphula a-_____.
Amabhokisi ama-3 aphatha ama-aphula a-_____.	Amabhokisi ama-4 aphatha ama-aphula a-_____.
Amabhokisi ama-5 aphatha ama-aphula a-_____.	Ibhokisi eliwuhhafu liphatha ama-aphula a-_____.

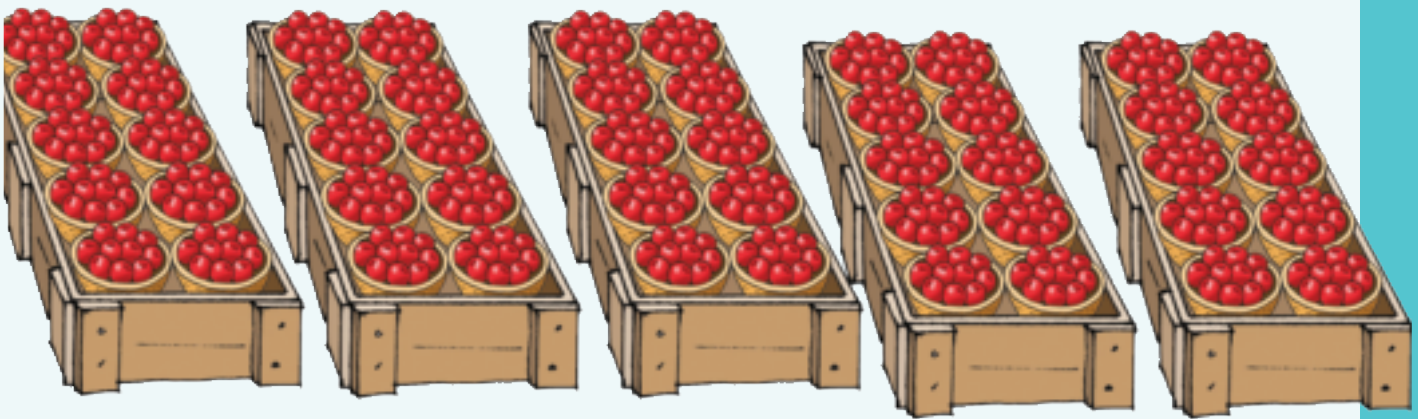


Kunama -aphula ayi-IO kubhasikidi owodwa.

Kunawobhasikidi aba- _____ ebhokisini elilodwa.

Kunama -aphula a- _____ ebhokisini elilodwa.

Mangaki ama -aphula esewonke? _____



Ukubala, ukukhombisa nokubhala

300

40

5

Qala usebenzise amakhadi ezinombolo ukukhombisa isamba ngasinye. Bhala inombolo.

3 amabhokisi  + 4 obhasikidi  + 5 ama -aphula  = 345 ama -aphula

4 amabhokisi  + 5 obhasikidi  + 7 ama -aphula  = _____ ama -aphula

5 amabhokisi  + 2 obhasikidi  + 3 ama -aphula  = _____ ama -aphula

4 amabhokisi + 7 obhasikidi + 2 ama -aphula = _____ ama -aphula



11 12 13 14 15 16 17 18 19 20

50

Usuku:

Ithemu 2

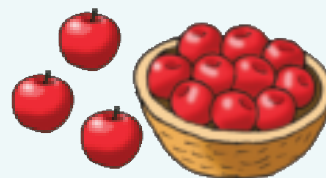
Ukuphindaphinda nokuhlukanisa (10)



Ukubala ama-aphula

Gcwalisa ithebhula.

Bangaki obhasikidi abaphethe ama-aphula?

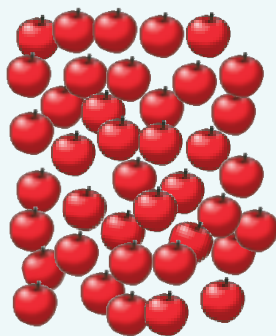


Ama-aphula 	10	20	30	40	50
Obhasikidi 	1	2			
Isibalo soku - ÷					$50 \div 10 = 5$
Isibalo soku - ×					$5 \times 10 = 50$



a.

Hlukanisela izingane ezimbili ama-aphula. Yenza umdwebo. Bhala isibalo sokuhlukanisa nesokuphindaphinda ukuhlola impendulo yakho.



Hlola izimpendulo zakho.

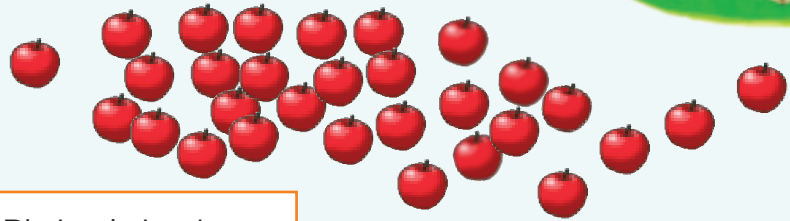
$$\square \div \square = \square$$

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





b.



Bhala isibalo soku - ÷



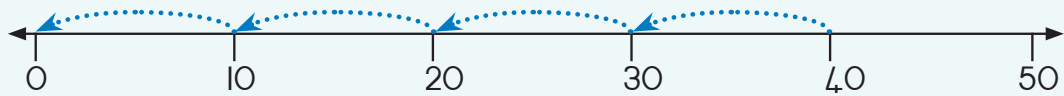
Bhala isibalo soku - ×

Hlola izimpendulo zakho.



Isibonelo

Sebenzisa izinombolo zemisho yakho yezinombolo.



÷ $40 \div 10 = 4$

× $4 \times 10 = 40$



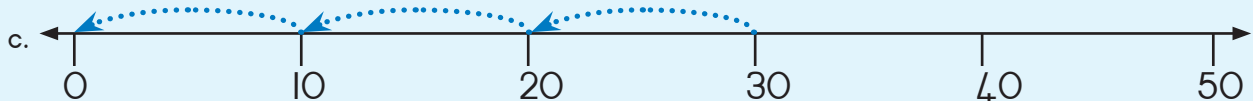
÷

×



÷

×



÷

×



Bhala inombolo encane ngokuyi - 10 kodwa enkulu ngokuyi - 10 enombolweni oyinikeziwe.

____, 460, ____

____, 390, ____

____, 500, ____

Teacher:
Sign:
Date:



Bala ngaku-2

Ukubala ngaku-2 uye phambili ubuye uhlehle.

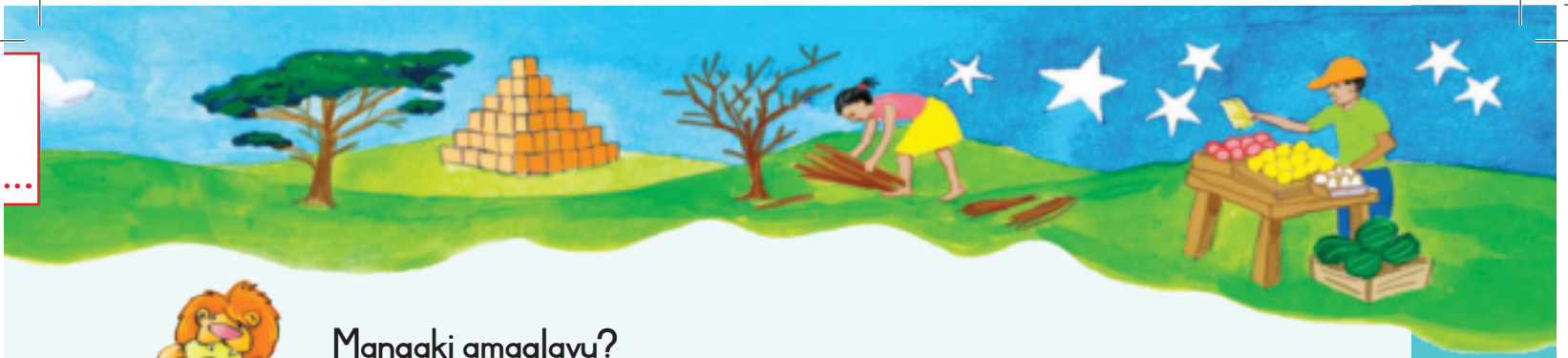
- 232; 234; _____; _____; _____; 242; _____; _____; 248
- 500; _____; 496; _____; _____; 490; _____; _____; _____
- 460; _____; _____; 400; _____; 360; _____; _____; _____
- 341; _____; 361; _____; _____; 391; _____; 411; _____; _____



Ipheya lamaglavu



- Mangaki amapheya amaglavu emgqeni owodwa? _____
- Mangaki amaglavu ahamba ngalinye emgqeni owodwa? _____
- Mingaki imigqa? _____
- Mangaki amaglavu esewonke? _____
- Khombisa ukuthi ukwenze kanjani lokhu.
- Bhala impendulo ibe yimisho yezinombolo.
_____ $\times$ _____ = _____



Mangaki amaglavu?

Bhala lokhu ethebhuleni.

a.

Ipheya lamaglavu										
	1	10	5	50	4	40	3	30	100	
Inani lamaglavu	2									

b.

Amaglavu ahamba ngalinye	20	21	70	73
Amapheya enziwe				
Amaglavu asele kwahamba ngalinye				



Bhala ngakubili

a. Iyiphi inombolo ephakathi kwalezi?

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

b. Bhala izinombolo ezimbili ezilandelayo.

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

c. Bhala izinombolo ezimbili ezilandelayo.

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





Ukulungisa isivande

UNKk Mabhena unamathayela amahle. Uwafake endaweni ethile esivandeni sakhe.

Unamathayela ayi-6 alinganayo ngobungako kanti ayizikwele.

Ngizowafaka kanjani?



Ngingenza umugqa o-1 ngamathayela ayisi-6.	Ngingenza imigqa emi-2 ngamathayela ama-3 elandelana emgqeni.	Ngingenza imigqa emi-3 ngamathayela ama-2 elandelana emgqeni.
$6 \times 1 = 6$	$3 \times 2 = 6$	$2 \times 3 = 6$

Yithuba lakho manje!

Hlikihla amabhulokhi ukukhombisa ukuthi ungawahlela kanjani amathayela ayizikwele ayi-8 nayi-9.

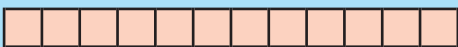
Izikwele ezi-8	Izikwele ezi-9

Bhala imisho yezinombolo ngomdwebo ngamunye.



Hlela amathayela ayi-12

UTHabo une -12 lamathayela ayizikwele azokwemboza ngawo indawo azobeka ibhayisikili lakhe kuyo.
Msize ngezindlela angazisebenzisa ukwenza lokhu.
Bhala umusho wezinombolo ngendlela ngayinye.

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



Hlela amathayela angama-24

- Sebenzisa igradi Kokusikwayo kwesi-2.
- Hlikihla amabhulokhi angama-24 ngezindlela ezingafani.
- Bhala imisho yezinombolo ukuqondanisa nomdwebo.



Ngiyakwazi ukuphindaphinda!

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

Teacher:
Sign:
Date:

Ukusebenzisa okuhlano



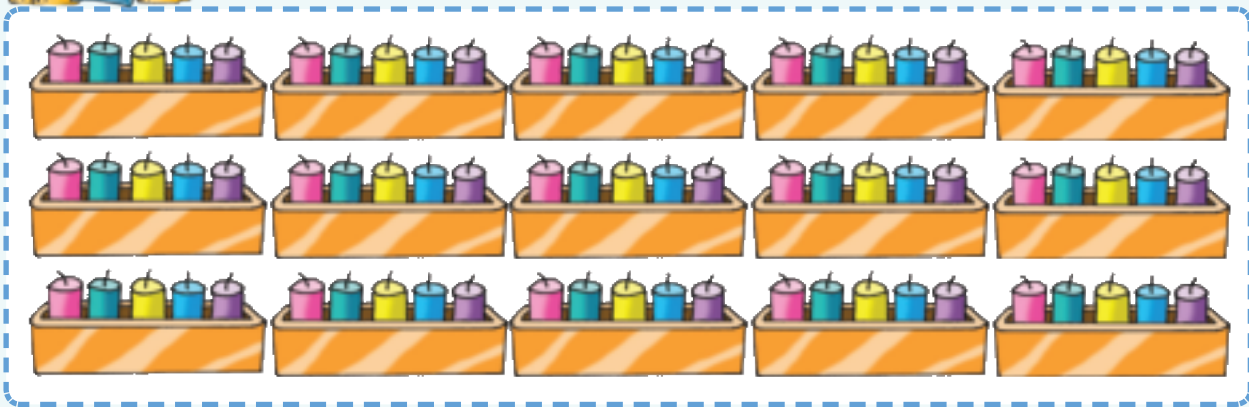
Ukwazi oku-5

Gcwalisa izimpendulo.

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



Ukubala amakhandlela



- a. Mangaki amakhandlela ebhokisini? _____
- b. Mangaki amabhokisi emgqeni ngamunye? _____
- c. Mangaki amakhandlela ebhokisini ngalinye? _____
- d. Mangaki amakhandlela esephelele? _____



Ukukhombisa impendulo

Faka uphawu (✓) emishweni yezinombolo ekhombisa inani lamakhandlela.

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



Ukubala ngaku -5 uye phambili ubuye uhlehle.

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



Ukuqoqa izinhlamvu zemali zama -R5



Abantwana baqoqe zama -R5. Mangaki ama -R5 awuhlweza abadinga ukuwaqoqa ukuze babe nama -R ____? Sikwenzele okubili kokuqala.

R5 ÷ R5 = uhlamvu olu -1	R10 ÷ R5 = izinhlamvu ezi -2	R15? ____	R20? ____	R25? ____
R30? ____	R35? ____	R40? ____	R45? ____	R50? ____

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

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

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

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

Uyalibona iphethini?



Ukuphindaphinda ngoku -5

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

Cabanga ngokuhlakanipha! Sebenza ngamaqiniso owaziyo!

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



11 12 13 14 15 16 17 18 19 20

Ukusebenza ngesikhathi

Ukudweba izikhathi

Ligamenxe elési-5	Iyishumi nanhlanu ngaphambi kwele-11	Iyishumi nanhlanu emva kwele-12	12:45	6:15	4:30

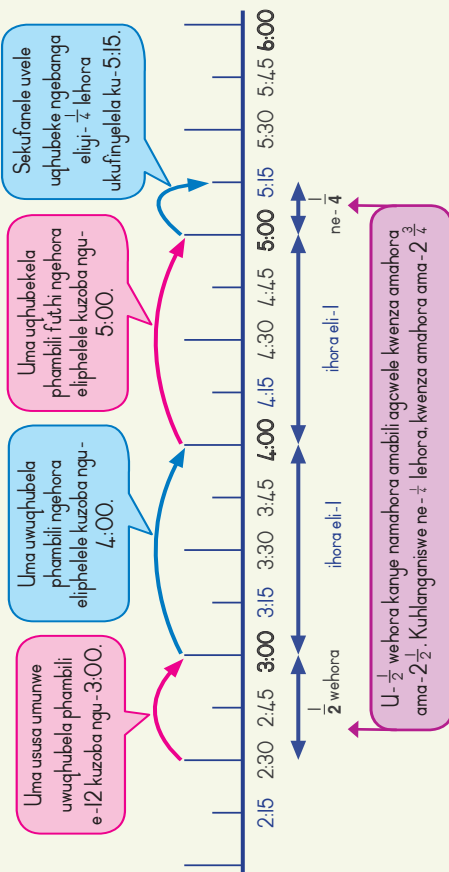


Izinkinga zesikhathi

Umama kaNomso usuka ekhaya ngo-2:30 p.m.

Ubuya ngo-5:15 p.m. Ubengekho isikhathi esingakanani?

Singasebenzisa ibanga
lesikhathi ewashini ukuthola lokhu.
Beka umunwe ku-2:30 p.m.,
okuqhisikathi esikuso manje.



Ubushe



Izinkinga zesikhathi

Hlola. Qathanisa. Lungisa.

Xazulula le nkinga. Sebenzisa amabanga esikhathi ukuze usizakale.

a. UQondi uvakashele ujise emtholampilo ngo-15:45.

Uyasuka uyabuya ngo-17:15.

Sibe ngakanani isikhathi evakashile? _____



b. UMusa uya epaki ngo-10:45.

Ubuyela ekhaya ngo-12:30.

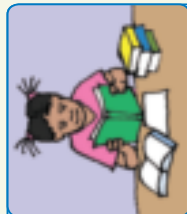
Ubengekho isikhathi esingakanani? _____



c. UTumi uqale ukutadisha ngo-13:15.

Uqede ngo-14:45.

Utadisha isikhathi esingakanani? _____

Teacher:
Sign:
Date:

Bala ngaku - 3 nangaku - 4

Amabhodwe emilenze emi - 3



Hlanganisa bese
ubhala izimpendulo.



- Mangaki amabhodwe engqeni? _____
- Mingaki imilenze engqeni? _____
- Mingaki imigqa yamabhodwe? _____
- Mingaki imilenze sejijonke? Khombisa ukuthi ufinyelele kanjani kulokhu.

Beka uphawu (✓) usho ukuthi ijimphi imisho yezinombolo ekhombisa isamba kule engezansi.

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

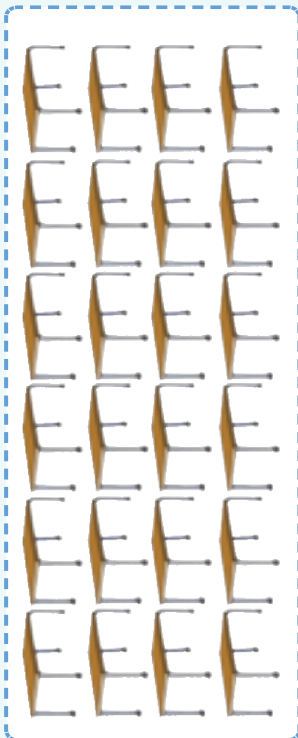


Mingaki imilenze?

Cabanga usheshe.
Cabanga ngokuhlakanipha.

libhodwe	3	imilenze	10	amabhodwe	imilenze	5	amabhodwe	imilenze
2	amabhodwe	imilenze	15	amabhodwe	imilenze	12	amabhodwe	imilenze
5	amabhodwe	imilenze	13	amabhodwe	imilenze	14	amabhodwe	imilenze

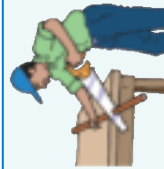
Imilenze yetafula



- Mangaki amatafula emqeni? _____
- Mingaki imilenze emqeni? _____
- Mingaki imilenze yamatafula? _____
- Mingaki imilenze sejijonke? Khombisa ukuthi ufinyelele kanjani kulokhu.



Embonini



Umbazi wakha amatafula. Uqala ngemilenze.

Usenze imilenze engama - 48 okwamanje. Usakhe amatafula amangaki?

Kumele enze imilenze emingaki futhi uma efuna ukwengeza ngatafula ellodwa?



Qedela igradi ngokugwalisa izimpendulo.

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



Bala ngaku-50

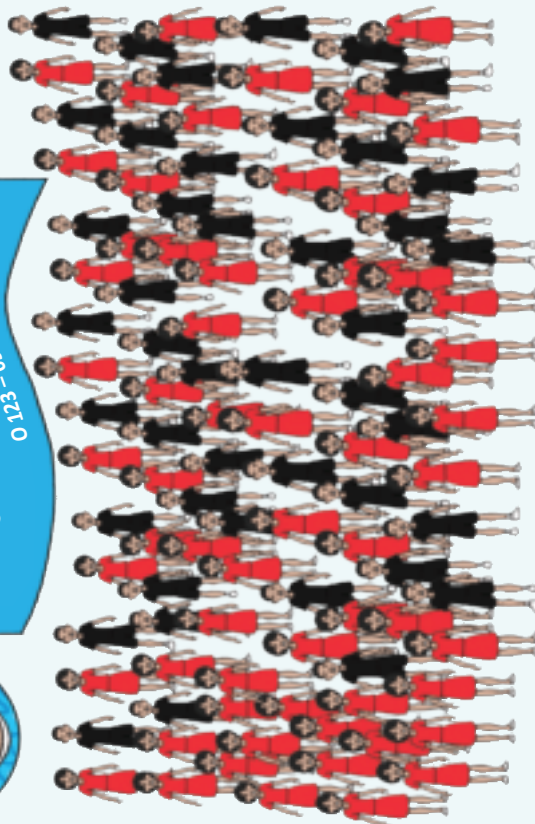
Ingubo yokulala eyodwa yengane ngayinye!
Bangaki abantwana? Linganisela bese ubala.



Ingubo yethemba.

Ingubo yokulala eyodwa yengane ngayinye!

Zama ukugcina izingane zethu zifudumele
0 123 - 098

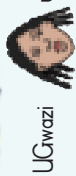


Bonke abantwana abasesithombeni bathole ingubo yokulala umntwana ngamunye.
Bangaki abantwana abakhona? _____

Linganisela	Bala	Qhathanisa
Bangaki abafana? _____ Mangaki amantombazane? _____		



Bazokhokhani?



UGwazi uthenga ezi- 2



Ukhokha

R



UNkk Chwane uthenga ezi- 5



Ukhokha

R



Esitolo sakwaThambi

uthenga esingama-20



Bakhokha

R

Nikela! Ingubo
yokulala eyodwa
R50



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

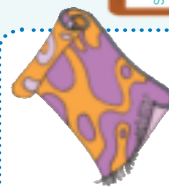


Kuzothatha isikhathi esingakanani? Sebenzisa ikhalenda.

Ikhasi leBanga lesi-3 liqoqa imali yokuthenga izingubo ezi-4.

Liqoqa R5 ngosuku ezinsukwini ezi-5 zesonto.

Mangaki amasonto eliwadingayo ukuqoqa imali yezingubo zokulala?



Teacher: _____
Sign: _____
Date: _____

Amaqhezu: ohhafu namakota



Hlukanisa amabhola ngokulinganayo uwafake emabhokisini.

- Mangaki amabhola ebhokisini ngalinye? - Mangaki amabhola asebhokisini elibukhwebezane? - Qhezu lini elisebhokisini elibukhwebezane?	- Mangaki amabhola ebhokisini ngalinye? - Mangaki amabhola ebhokisini elibukhwebezane? - Qhezu lini elisebhokisini elibukhwebezane?



Buka izithombe bese uphendula imibuzo.

Ulbona izinyingi ezingaki?	Ubale wathola izinyingi ezingaki?
Yini ewu- $\frac{1}{2}$ weziyingi?	Yini eji- $\frac{1}{4}$ leziyingi?
	Yini engama- $\frac{2}{4}$ eziyingi?
	Yini engama- $\frac{3}{4}$ eziyingi?
	Yini engama- $\frac{4}{4}$ eziyingi?



Faka umbala ku- $\frac{1}{2}$ wesimo ngasinye.

Faka umbala e- $\frac{1}{4}$ lesimo ngasinye.

Faka umbala ema- $\frac{2}{4}$ esimo ngasinye.

Faka umbala ema- $\frac{3}{4}$ esimo ngasinye.

Buka amaqhezu



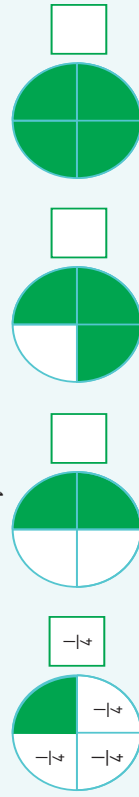
a. Bangaki ohhafu ($\frac{1}{2}$) abenza okuphelele?

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

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

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

b. Buka umdwebo bese ubhala iqhezu lendawo enombala.

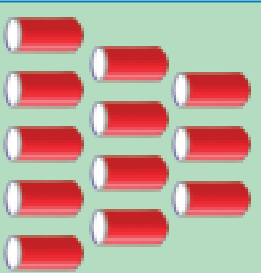
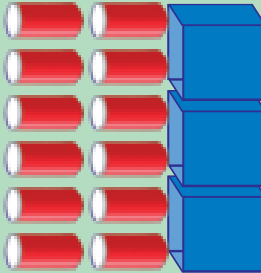
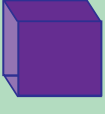
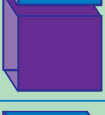


c. Yiliphi iqhezu elikhulu, u- $\frac{1}{2}$ noma i- $\frac{1}{4}$?

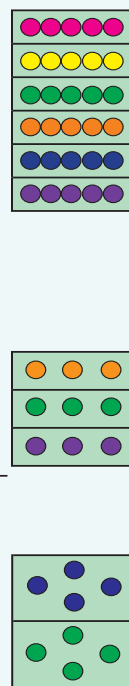
Teacher:
Sign:
Date:

Amaqhezu: ohhafu, okwesithathu, okwesithupha

Hlukanisa amakani (amasilinda) ngokulinganayo uwafake emabhokisini.

		
		
Isamba samakani: • Mangaki amakani ebhokisini elibukhwebezane? • Liqhezu lini elisebhokisini elibukhwebezane?	12 6 $\frac{1}{2}$	

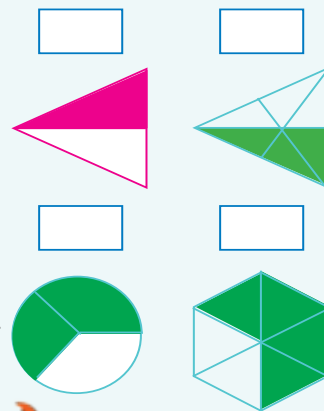
Buka izithombe bese uphendula imibuzo.



Zingaki izinyingi ozithola uma ubala?

☐	Yini oku- $\frac{1}{3}$ kweziyngi?	☐	Yini oku- $\frac{1}{6}$ kweziyngi?
☐	Yini oku- $\frac{2}{3}$ kweziyngi?	☐	Yini oku- $\frac{2}{6}$ kweziyngi?
☐	Yini oku- $\frac{3}{3}$ kweziyngi?	☐	Yini oku- $\frac{3}{6}$ kweziyngi?
☐	Yini oku- $\frac{4}{3}$ kweziyngi?	☐	Yini oku- $\frac{4}{6}$ kweziyngi?
☐	Yini oku- $\frac{5}{3}$ kweziyngi?	☐	Yini oku- $\frac{5}{6}$ kweziyngi?

Bhala iqhezu lendawo enombala.



Kokelezela iqhezu elikhulu kunelinye.

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



Buka la maqhezu. Qedela imisho.

Okuphelele oku-1					
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

- Ohhafu kokuphelele ba-_____.
- Okwesithathu kokuphelele ku-_____.
- Okwesithupha kokuphelele ku-_____.
- Okwesithupha kuhhafu ku-_____.
- Okwesithupha kokwesithathu ku-_____.

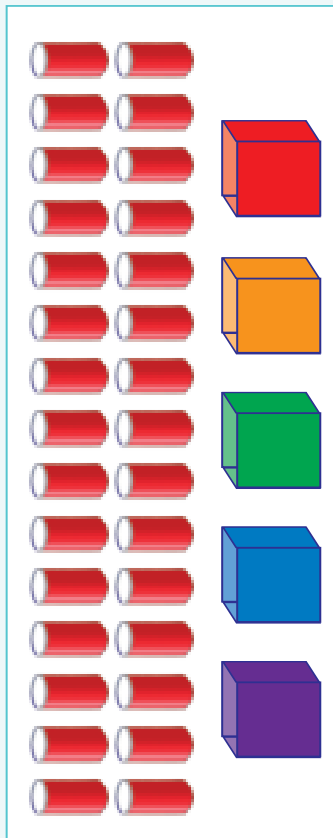


Teacher: _____
Sign: _____
Date: _____

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Amagqezu: kwesihlanu

Hlukanisa amakani uwafake emabhokisini ama -5.



- Oku - $\frac{1}{5}$ kwamabhokisi ngamakani a-
- Oku - $\frac{2}{5}$ kwamabhokisi ngamakani a-
- Oku - $\frac{3}{5}$ kwamabhokisi ngamakani a-
- Oku - $\frac{4}{5}$ kwamabhokisi ngamakani a-
- Oku - $\frac{5}{5}$ kwamabhokisi ngamakani a-



Buka isithombe bese uphendula imibuzo.

Bangaki oshokoledi ebhokisini?

- Okukodwa kokuhlanu - ngoshokoledi aba-
- Okubili kokuhlanu - ngoshokoledi aba-
- Okuthathu kokuhlanu - ngoshokoledi aba-
- Okune kokuhlanu - ngoshokoledi aba-
- Okuhlanu kokuhlanu - ngoshokoledi aba-



Faka umbala koku- $\frac{1}{5}$ kwesilinganiso serula.

a.



Buka amaqezu bese uphendula imibuzo.

Okuphelele oku-1					
$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

Kokelezela okukhulu noma okuncane.

- U- $\frac{1}{2}$ mkhulu/ncane kune- $\frac{1}{4}$.
- Oku- $\frac{1}{3}$ kukhulu/kuncane kuno- $\frac{1}{2}$.
- Oku- $\frac{1}{5}$ kukhulu/kuncane kunoku- $\frac{1}{6}$.
- Oku- $\frac{1}{6}$ kukhulu/kuncane kunoku- $\frac{1}{3}$.
- Oku- $\frac{3}{6}$ kukhulu/kuncane kunoku- $\frac{2}{5}$.



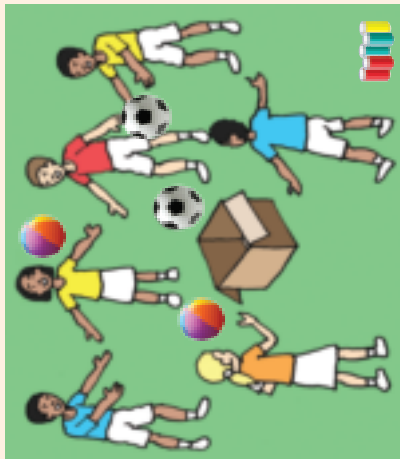
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Ohlangothi-ntathu

Bala amabhokisi (amabhokisi).

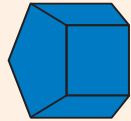
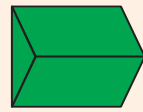
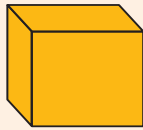
Bala amabhola (izindilinga).

Bala amasilinda.

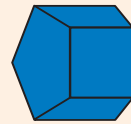
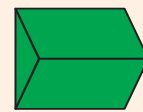
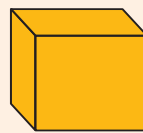


Wonke lana ngamabhokisi

Sebenzisa Okusikwayo kwesi-3 nokwesi-4 ukuwenza.



Indawo ejisicaba ivame ukubizwa ngabuso. Namathisela noma udwebe ubuso ebusweni ngabunye obutholakele.
Bungaki ubuso obunamathisele:



ikhiyubhu

iphrizimu

iphrizimu

Ngabe ubuso bala mabhokisi buyisicaba noma bugabile?

Yakha isilinda ngoKusikwayo 4.

Ngabe ubuso besilinda buyisicaba noma bugabile?



Sebenzisa ezakho izinto ukwakha lokhu okulandelayo:

Chaza indawo lapho kumi khona isilinda usebenzisa amagama.

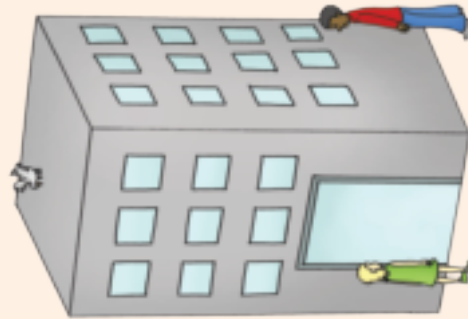
eceleni

ngaphambili

ngaphezulu



Sebenzisa amagama angezansi ukuqedela imisho.



Intombazana isivelele _____ isakhiwo.

Indoda ivele _____ kwesakhiwo.

Inyoni ibuka isakhiwo isivelele _____.

eceleni

ngaphambili

ngaphezulu



Teacher:

Sign:

Date:

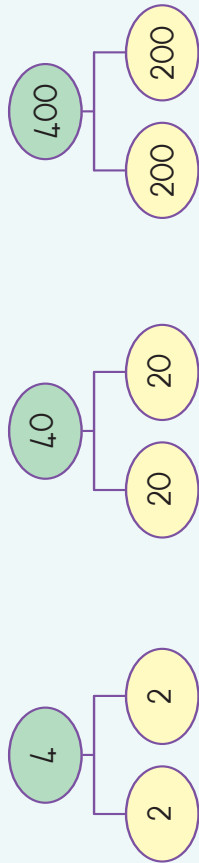
Ukuba:

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Ukuphinda kabili nawohhafu

Usakhumbula? Oku-2 wuhhafu woku-4 Oku-4 kungoku-2 okuphindwe kabili
 Oku-20 wuhhafu woku-4,0 Okungama-4,0 ngokungama-20 okuphindwe kabili
 Oku-200 wuhhafu woku-4,00 Okungama-4,00 ngokungama-200 okuphindwe kabili

Khumbula! Singokukhombisa ngomdwebo lokhu ...



Masithole ohhafu



a. $100 \times 2 = \square$

b. $200 \times 2 = \square$

c. $180 \times 2 = \square$

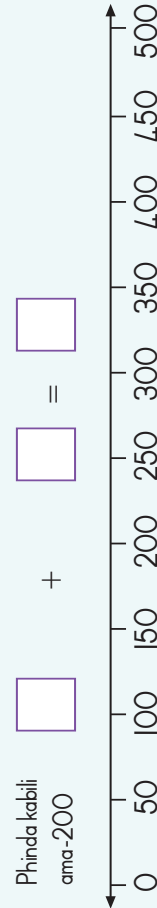
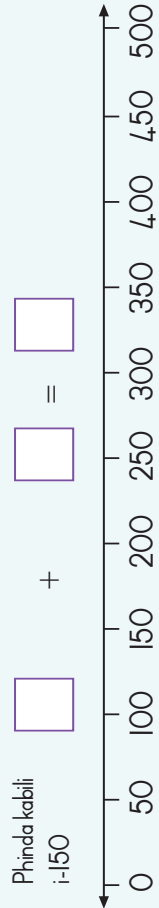
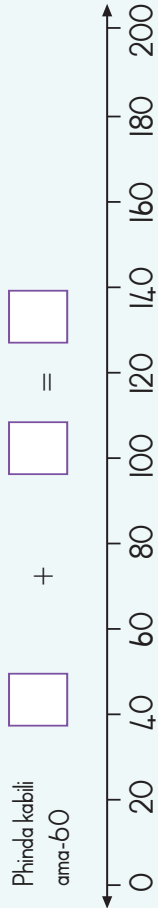
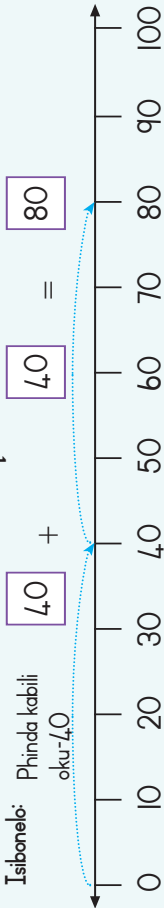
d. $300 \times 2 = \square$

e. $150 \times 2 = \square$

f. $370 \times 2 = \square$



Phinda kabili inombolo usebenzise umugqa wezinombolo.
 Senziwe isibonelo kokokugala.



Qedela lokhu okulandelayo

a. Phinda kabili i-100	200
b. Phinda kabili i-150	
c. Phinda kabili i-120	
d. Phinda kabili ama-200	
e. Phinda kabili i-170	

Qedela lokhu okulandelayo

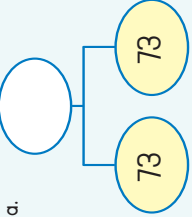
a. Hhafula ama-220	110
b. Hhafula i-180	
c. Hhafula ama-260	
d. Hhafula oku-0	
e. Hhafula ama-320	

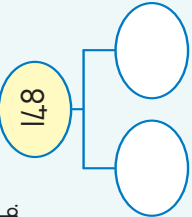
Teacher: _____
 Sign: _____
 Date: _____

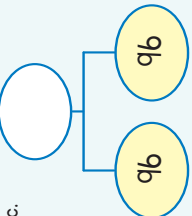
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

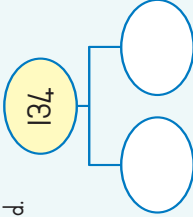
Okunye ukuphinda kabili nokwenza ohhafa

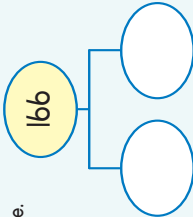
Ukuthola okuphindwe kabili noma ohhafa

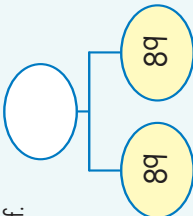
a. 

b. 

c. 

d. 

e. 

f. 

Ukongela ibhayisikili

U-Akar wonga ama-R25 ngesonto ukuze athenge ibhayisikili. Kumele athathe amasonto amangaki onga?

Impendulo: amasonto

Indali

Zonke izinto zisendalini zithengisa ngamanani awohhafa
Bhala inani lentengo entweni ngayinye.

a. Izingubo zokulala R190
Intengo _____

c. Imicamele R54
Intengo _____

b. Amashidi R154
Intengo _____

d. Izihlalo R220
Intengo _____

Indali R450

Inani elinguhhafa:
belingama-R900

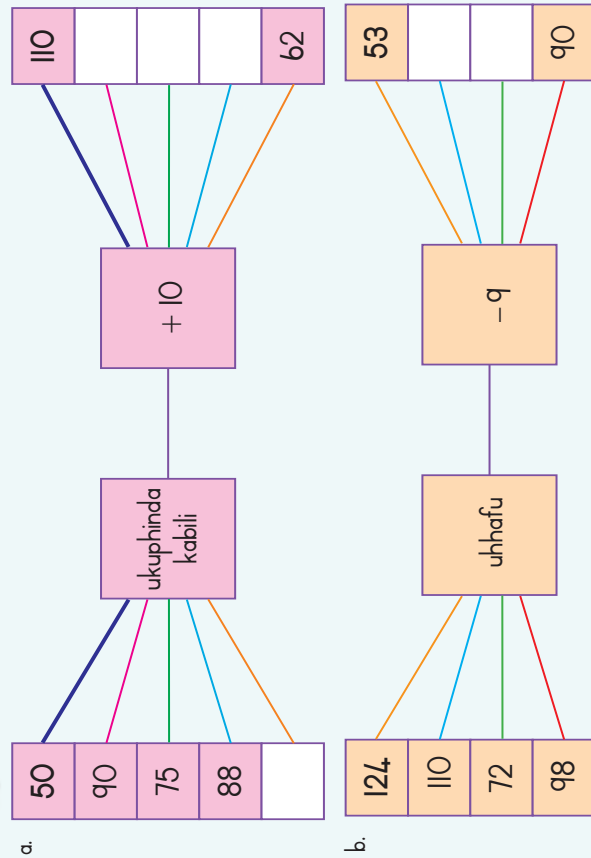


Mangaki amarandi?

	R135	UMusa ufuna ihembe. Uhemali ewuhhafa wenani lalo. Malini adinga ukuyengeza? R _____
	R78.50	Izicathulo zika-Aakar zibiza ngokuphindwe kabili kulezi. Zibiza malini - ke izicathulo zika-Aakar? R _____
	R97	UPhindi ufuna ingubo yenani lalena eliphindwe kabili. Malini azoyikhokha uPhindi ngengubo? R _____

Yini engenayo? Yini ephumayo?

Landela isibonelo. Gcwalisa ngezimbobo ezingekho.



Yenza amaqoqo uphinde uhlanganise



Ukwenza amaqembu abantwana besikole

UNkx Ndaba ufuna ukubahlukanisa babe ngamaqembu alinganayo ukuze badlale kahle. Uqala ngokubafaka emaqenjini ama-4.



- Bala abantwana?
- Bangamaqembu amangaki?
- Khombisa zonke ezinye izindlela ezingasetshenziswa ukubenza amaqembu.

Hlola. Qhathanisa.
Lungisa.

Ubalo:



Zingaki izingubo zokugqoka?



UPhindi unamahembe ama-5 anemibala kanye nezikhindi ezi-5 ezinemibala.

Zingaki izingubo zokugqoka ezingafani angazakha esebenzisa inhlangukela yale mibala?

Isibonelo: ihembe elisibhakabhaka/izikhindi ezisibhakabhaka kumbe ihembe elisibhakabhaka/izikhindi eziwolintshi.

Bhala umbala ngamunye

Make ulinganise: Kungenzekani uma uPhindi enamahembe aji-6 amibalabala kanye nezikhindi eziyi-6?

Hlola. Qhathanisa.
Lungisa.

Angenza izinto ezingaki zokugqoka?

Teacher:
Sign:
Date:

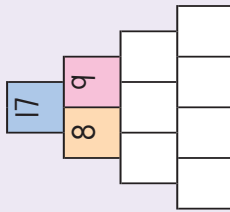
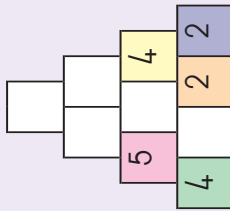
Masidlale ngezibalo



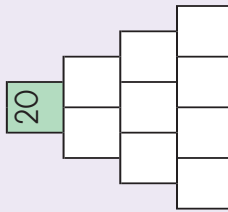
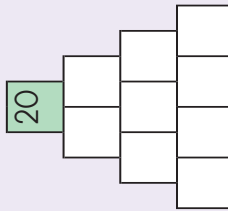
Thola umthetho

Sebenzisa umthetho ukuthola izinombolo ezicashile.

Yenza lokhu -ke manje.



Yakha o-20 ngezindlela ezi-3 ezingafani.



Ukuthola izinombolo



a. Umthetho: Izinombolo emngeni ngamunye kumele zihlangane zakhe isamba se -16.

2		5	3	6
				2
			2	

b. Umthetho: Izinombolo ezi-3 ezivundla emiggeni kanye nezehla ngamakholamu, zihlangana zakhe isamba esifanayo.

2	7	6
9		1
	3	8

23	28	21
12		26
		10

c. Umthetho: Bhala noma yiziphi izinombolo ezi-5 ezihlangana zenze inombolo ephakathi nendawo enkanyezini.

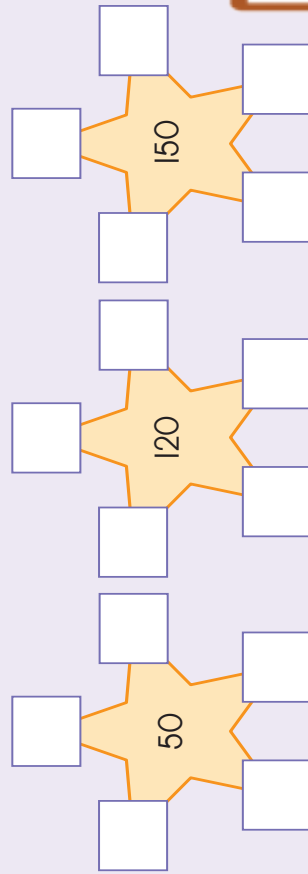
Inselelo

Bona-ke

Sebenzisa izinombolo 1, 2, 3, 4 no-5.

Izinombolo ezi-3 emngeni ngamunye kumele zihlangane zenze i-10.

Umthetho: Inombolo ngayinye yisebenzise kanye.



Teacher: _____
Sign: _____
Date: _____



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

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

