

Ukufunda ngoMgaqo-siseko weRiphabliki yoMzantsi Afrika (1996)

Umgaqo-siseko weli loMzantsi Afrika (1996) uqulethe eyona mithetho yongameleyo yeli lizwe. Le mithetho ingaphezulu komongameli welizwe, ngaphezulu kweenkundla zamatyala nangaphezulu kukarhulumente.

Le mithetho ichaza indlela abemi beli lizwe abafanele ukuphathana ngayo, nokuba ayintoni amalungelo noxanduva lwabo omnye komnye. Umgaqo-siseko welizwe ukho ukuze usikhusele ngalo mzuzu kwaye ukhusele nabantwana bethu kwixesha elizayo.

Masiyazi imvelaphi yethu.

Masingaphindi iimpazamo zexesha elidlulileyo.

Umgaqo-siseko wethu uyasanceda ukuze sakhe ingomso elingcono lomntu wonke.

Thina, bantu boMzantsi Afrika, Siyaziqonda iimeko zolwaphulo-bulungisa zamaxesha ethu adlulileyo; Sibanika imbeko abo beva ubunzima bebulalekela ubulungisa nenkululeko elizweni lethu; Siyabahlonela abo bathi basebenzela ukwakha nokuphuhlisa ilizwe lethu; kwaye Sikholelwa ekubeni uMzantsi Afrika ngowethu sisonke thina sihlala kuwo, simanyene nangani siziintlobo ngeentlobo.

Thina ke ngoko, ngabameli bethu abanyulwe ngokukhululekileyo, siyawuvuma lo mGaqo-siseko ukuba ungowona mithetho wongameleyo weRiphabliki ukuze—

Ungcibe udibanise izantlukwano zangaphambili uze wakhe uluntu olusekwe kwizithethe ezixabisekileyo zedemokhrasi, ubulungisa kwezentlalo namalungelo abantu asisiseko;

Wenze isiseko soluntu oluphila ngendlela yedemokhrasi nolwenza izinto elubala apho urhulumente asekelwe kwintando yabantu nalapho wonke ummi ekhuselwe ngokulinganayo ngumthetho;

Uphucule ixabiso lokuphila kwabo bonke abemi, uze uvumele ukusebenza kwesakhono somntu ngamnye; kanjalo

Wakhe uMzantsi Afrika omanyeneyo nonedemokhrasi onakho ukuthabatha indawo yawo efanelekileyo njengelizwe elinobunganga kusapho lwezizwe ngezizwe.

Wabange amalungelo akho njengommi weli loMzantsi Afrika kwaye nawe uluthathele kuwe uxanduva lokukhusela amalungelo abanye.

Wazi amalungelo akho noxanduva lwakho.

*Wanga uThixo angabakhusela abantu bakokwethu.
Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.*

ISBN 978-1-4315-0127-4



9 781431 501274



**MATHEMATICS IN ISIXHOSA
GRADE 1 – BOOK 2
TERMS 3 & 4
ISBN 978-1-4315-0127-4**

**THIS BOOK MAY NOT BE SOLD.
15th Edition**

1

2

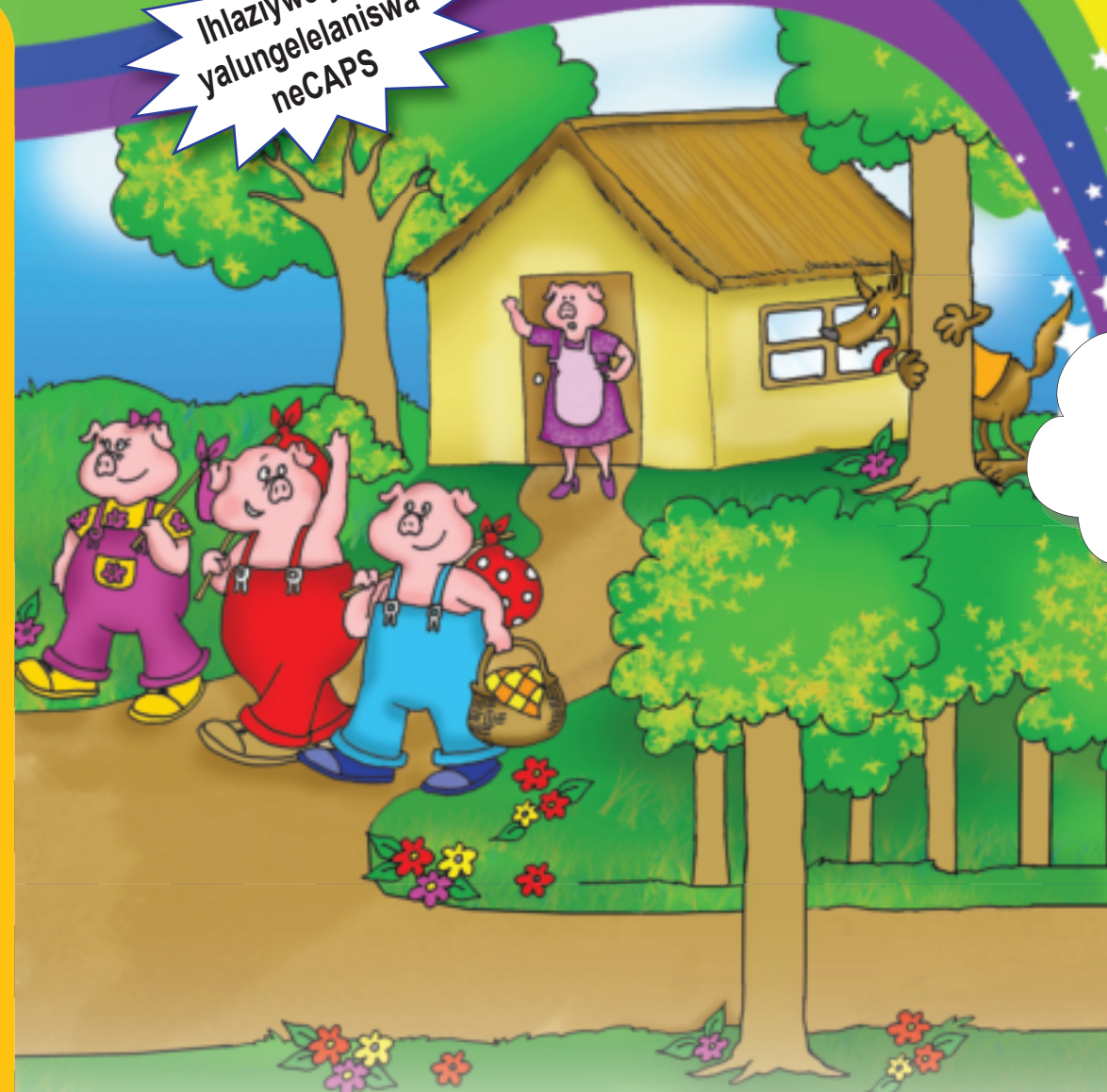
3

4

IZIBALO NGESIXHOSA – Ibanga loku-1 Incwadi yoku-2

ISBN 978-1-4315-0127-4

Ihlaziywe yaze yalungelelaniswa neCAPS



Ibanga loku-

Igama:

Iklasi:



basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

**IZIBALO
NGESIXHOSA**

*Incwadi yesi-2
Ikota 3 & 4*

Iziquulatho

Inani	Isihloko	Iphepha
65	Masiqonde inani 11	2
66	Masiqonde inani 12	4
67	Masiqonde inani 13	6
68	Masiqonde inani 14	8
69	Masiqonde inani 15	10
70	Ukudibanisa uyokufika kuma-20 – bala uye phambili	12
71	Ukudibanisa – ukwakha nokucalula amanani ukuya kwi-10	14
72	Ukudibanisa – ukwakha nokucalula amanani ukuya kufikelela kwi-15	16
73	Ukudibanisa nokuthabatha – ukwakha nokucalula	18
74	Ubude	20
75	Imali netshintshi	22
76	Imali netshintshi	24
77	Imali: Ukudibanisa nokuthabatha	26
78	Iinkukacha	28
79	Iinkukacha nexesha	30
80	Amaqela ezihlanu ukuya kufikelela kwi-15	32
81	Izihlanu: ukudibanisa okuphindiweyo ukuya kwi-15	34
82	Izihlanu ukuya kufikelela kwi-15	36
83	Iipatheni zamanani zezihlanu ukuya kutsho kuma-50	38
84	Iipatheni zamanani zezihlanu ukuya kutsho kuma-80	40
85	Iziphindwa kabini	42
86	Iziqingatha	44
87	Izinto ezinemilinganiselo emi-3 (3D)	46
88	Izinto ezinemilinganiselo emi-3 (3D) – ezitshibebezayo neziqengqelekayo	48
89	Iipatheni zejometri	50
90	Amaqela ezibini ukuya kutsho kwi-15	52
91	Ukudibanisa izibini eziphindiweyo ukuya kutsho kwi-15	54
92	Izibini ukuya kutsho kwi-15	56
93	Iipatheni zamanani izi-2 ukuya kuma-50	58
94	Umatwa-totse	60
95	Amanani neXabiso lendawo	62
96	Ubude	64

Inani	Isihloko	Iphepha
97	Inani 16	66
98	Inani 17	68
99	Inani 18	70
100	Inani 19	72
101	Inani 20	74
102	Ukudibanisa	76
103	Ukuthabatha	78
104	Ukudibanisa nokuthabatha	80
105	Inani lesingaphi	82
106	Izinto neemilo	84
107	Imali	86
108	Okunye ngemali	88
109	Imilo ezinemilinganiselo emi-2 (2D)	90
110	Imilo ezi-2D – amacala athe tye nangqukuva	92
111	Okunye ngeemilo ezi-2D	94
112	Amaqela ezihlanu ukuya kutsho kumashumi amabini	96
113	Izihlanu – ukudibanisa okuphindiweyo ukuya kutsho kuma-20	98
114	Ukwabelana ukuya kutsho kuma-20	100
115	Iipatheni zamanani – izihlanu ukuya kwi-100	102
116	Indawo nembonakalo	104
117	Amaqela ezibini ukuya kutsho kuma-20	106
118	Izibini – ukudibanisa okuphindiweyo ukuya kuma-20	108
119	Iipatheni zamanani – izibini ukuya kwi-100	110
120	Iipatheni zamanani – izibini ukuya kutsho kwi-100	112
121	Ubunzima	114
122	Ukuphinda kabini	116
123	Ukwahlula kubini	118
124	Iinkukacha	120
125	Ezinga iinkukacha	122
126	Umtamo	124
127	Iipatheni zejometri	126
128	Umatwa-totse	128



Nkszn. Siviwe Gwarube
uMphathiswa weMfundo
esisiSeko



UGqir Reginah Mhaule
uSekela Mphathiswa
weMfundo esisiSeko

Ezi ncwadi zilungiselelwe abantwana boMzantsi Afrika phantsi kwephiko loMphathiswa weMfundo esisiSeko Nkszn. Siviwe Gwarube kunye noSekela Mphathiswa weMfundo uGqir Reginah Mhaule.

Ezi ncwadi zokusebenzela, iRainbow Workbooks, lelinye lamalinge ongenelelo eSebe leMfundo esisiSeko ajolise ekuphuculeni umgangatho wabafundi beloMzantsi Afrika abakumabanga amathandathu okuqala. Njengomnye wemiba ephambili yoMkhomba-ndlela kaRhulumente, eli phulo libe nempumelelo ngenxa yenkxaso-mali evela kuVimba weSizwe. Oku kuye kwenza ukuba iSebe likwazi ukuvelisa ezi ncwadi, zifumaneke ngazo zonke iilwimi ezisemthethweni ngexabiso eliphantsi.

Sinethemba lokuba ootitshala baya kuzifumana ezi ncwadi zokusebenzela ziluncedo kakhulu kwimfundo yemihla ngemihla, nasekuqinisekiseni ukuba abafundi bayifikelela yonke ikharityhulam. Ukuqinisekisa ukuba utitshala uyakhokelwa kuyo yonke imisetyenzana, sisebenzise izalathisi ezibonisa oko kufanele ukwenziwa ngumfundi.

Sinethemba lokwenene lokuba abantwana baya kukonwabela ukusebenza kwezi ncwadi ekukhuleni nasekufundeni kwabo, kwanokuba nawe titshala uya kwabelana nabo kolu yolo.

Sinqwenela ukuba nibe nempumelelo ekusebenziseni ezi ncwadi.



Ibanga
loku-



NGESIXHOSA

Le ncwadi yeka -:



ISIXHOSA

Incwadi
yesi-

2

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

Masiqonde inani II

Uhlaziyo:

Ziqhelise ukubhala la manani.



inye

1 1

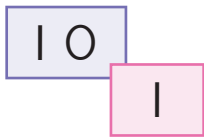
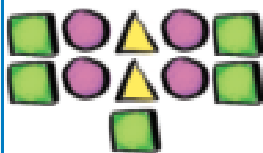
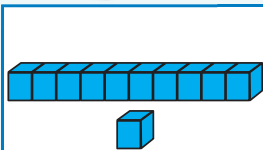


zimbini

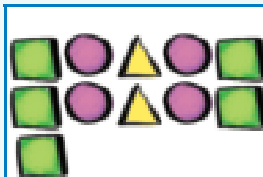
2 2



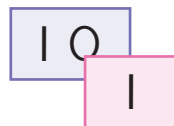
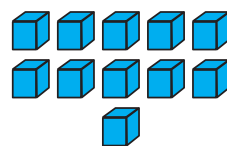
Tshatisa imifanekiso.



11

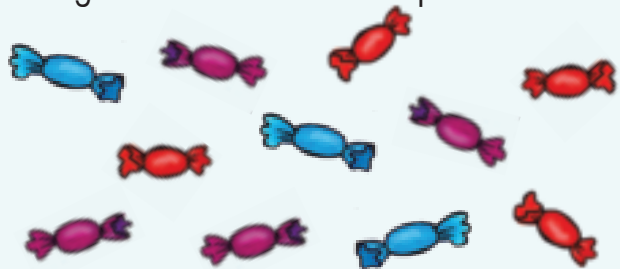


11



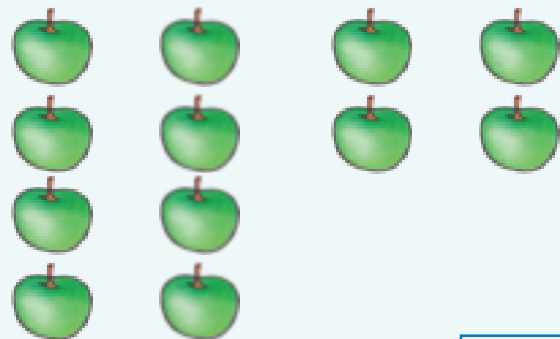
Biyela ezi zinto.

Biyela iilekese ezilishumi kuphela.



Zingaphi iilekese ezishiyekileyo?

Biyela ama-apile alishumi kuphela.



Mangaphi ama-apile ashiyekileyo?



0

1

2

3

4

5

6

7

8

9

10



Khuphela la manani.



Ikholam nganye
kufuneka yenze i-II
xa iyonke. Fakela
amanani ashisiweyo.

3	5	4
4	5	
4		2
II	II	II

ishumi elinanye			



Zoba izinto zibe li-II.

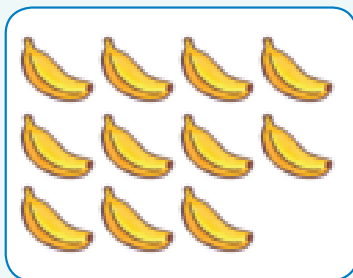


Fakela amanani ashisiweyo.

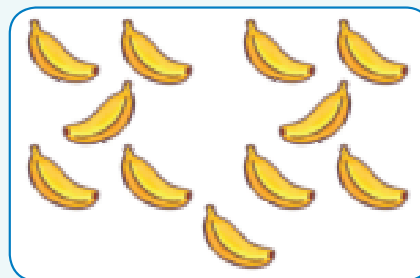
1	2		4	
---	---	--	---	--



Bala ezi zinto.



--



--



Gqibezela itheyibhile. Umqolo ngamnye
unomfanekiso, inani kunye negama elimele elo
nani.



		ishumi elinanye
		ishumi elinanye
II		
	ishumi elinanye	

Leliphi inani elinganeno
ngononye kune-II? _____

Leliphi inani elingaphezulu
ngononye kune-II? _____



Teacher:
Sign:
Date:



II 12 13 14 15 16 17 18 19 20



66

Umhla:

Masiqonde inani l2

Uhlaziyo:

Ziqhelise ukubhala la manani.



zintathu

3 3

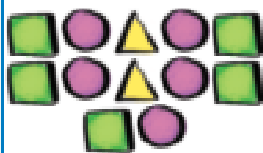
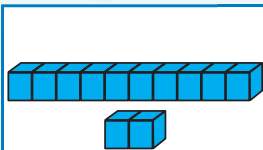


zine

4 4

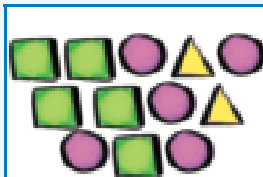


Tshatisa imifanekiso.

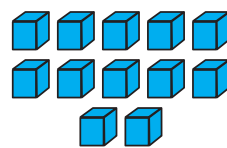


10 2

12



12



10 2



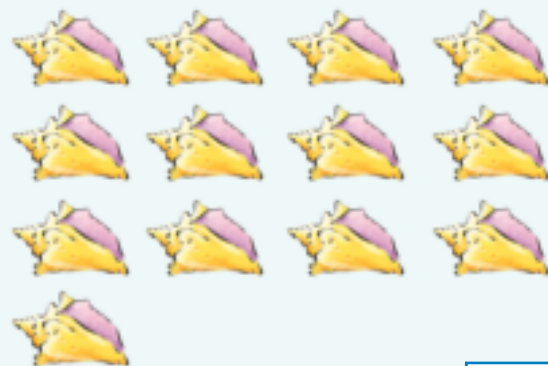
Biyela ezi zinto.

Biyela izihlangu ezili-10 kuphela.



Zingaphi izihlangu ezishiyekileyo?

Biyela oonokrwece abali-12 kuphela.



Bangaphi oonokrwece abashiyekileyo?



0 1 2 3 4 5 6 7 8 9 10



Khuphela la manani.

12 12 12 12

ishumi elinesibini

12 12 12 12



Ikhohlam nganye
kufuneka yenze
i-12. Fakela amanani
ashihiweyo.

	7	6
4		4
3	2	
12	12	12



Zoba izinto ezili-12.

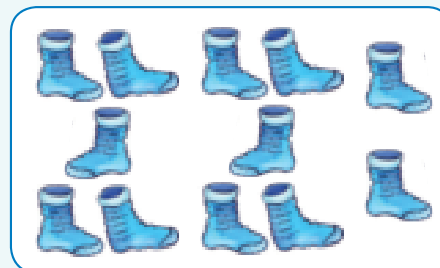


Fakela amanani ashhiweyo.

3		5			
8			11		



Bala ezi
zinto.



Gqibezela itheyibhile. Umqolo ngamnye
unomfanekiso, inani negama elimele elo nani.

		ishumi elinesibini
	12	ishumi elinesibini
		12
	ishumi elinesibini	



Leliphi inani elinganeno
ngononye kune-12? _____

Leliphi inani elingaphezulu
ngononye kune-12? _____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



Masiqonde inani l3

Uhlaziyo:

Ziqhelise ukubhala la manani.



zintlanu

5 5

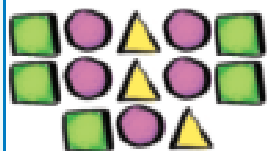
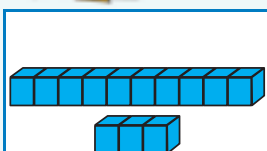


zintandathu

6 6



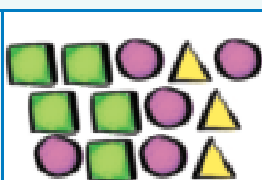
Tshatisa imifanekiso.



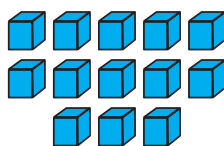
10

3

13



13



10

3



Biyela ezi zinto.

Biyela iikati ezili-10 kuphela.



Zingaphi iikati ezishiyekileyo?



Biyela iminqathe ibe li-13 kuphela.



Mingaphi iminqathe eshiyekileyo?





Khuphela la manani.

13 13 13 13

ishumi elinesithathu

13 13 13 13



Ikhohlam nganye
kufuneka yenze
i-13.

1	2	6
1		
	3	2
13	13	13



Zoba izinto ezili-13.

Khawuzizobe ngenye indlela ke ngoku.

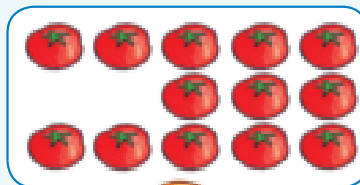


Fakela amanani
ashiyele.

	10		12	
--	----	--	----	--



Bala ezi zinto.



Gqibezela itheyibhile. Umqolo ngamnye
unomfanekiso, inani negama elimele elo nani.



		ishumi elinesithathu
	13	ishumi elinesithathu
13		
	ishumi elinesithathu	

Leliphi inani elinganeno
ngononye kune-13? _____

Leliphi inani elingaphezulu
ngononye kune-13? _____



Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



Masiqonde inani 14

Uhlaziyo:

Ziqhelise ukubhala la manani.



zisixhenxe

7 7

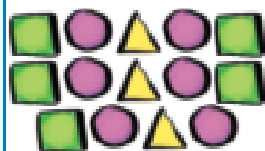
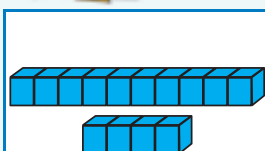


zisibhozo

8 8



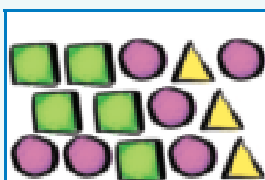
Tshatisa imifanekiso.



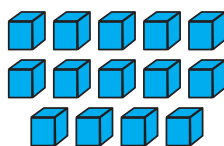
10

4

14



14



10

4



Biyela ezi zinto.

Biyela amabhabhathane ali-10 kuphela.



Mangaphi amabhabhathane ashiyekileyo?

Biyela iilokhwe ezili-14 kuphela.



Zingaphi iilokhwe ezishiyekeleyo?





Khuphela la manani.

14 14 14 14

ishumi elinesine

14 14 14 14



Ikhola nganye
kufuneka yenze
i-14. Fakela amanani
ashihiweyo.

1		2
	5	1
3	2	
14	14	14



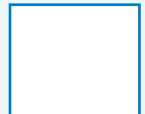
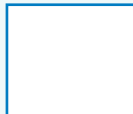
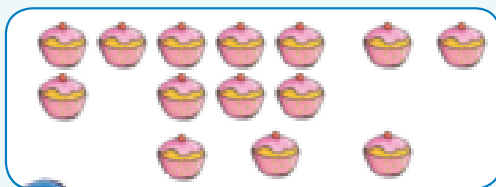
Zoba izinto zibe li-14.



Khawuzizobe ngenye indlela ke ngoku.



Bala ezi zinto.



Gqibezela itheyibhile. Umqolo ngamnye
unomfanekiso, inani negama elimele elo nani.

	14	ishumi elinesine
14		
	ishumi elinesine	



Leliphi inani elinganeno
ngononye kune-14? _____

Leliphi inani elingaphezulu
ngononye kune-14? _____



11 12 13 14 15 16 17 18 19 20



Masiqonde inani l5

Uhlaziyo:

Ziqhelise ukubhala la manani.



zilithoba

9 9



zilishumi

10 10



Tshatisa imifanekiso.

10

5

15

15

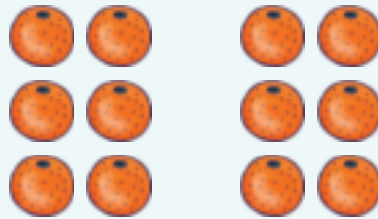
10

5



Biyela ezi zinto.

Biyela ii-orenji ezili-10 kuphela.



Zingaphi ii-orenji ezishiyekileyo?

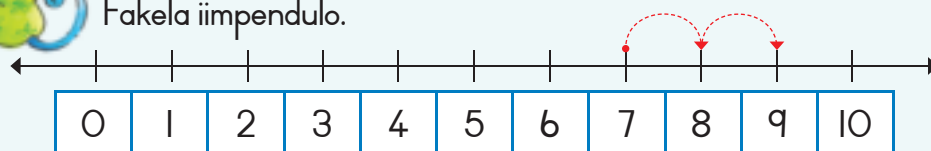
Biyela iinkwenkwezi ezili-15 kuphela.



Zingaphi iinkwenkwezi ezishiyekileyo?



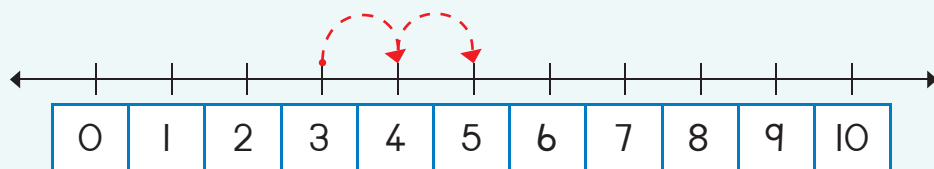
Fakela iimpendulo.



$$7 + 2 =$$



0 1 2 3 4 5 6 7 8 9 10



$$4 + 2 =$$



Khuphela la manani.

15 15 15 15

ishumi elinesihlanu

15 15 15 15



Zoba izinto zibe li-15.

Zizobe ngenye indlela ke ngoku.



Fakela amanani ashiyiweyo.



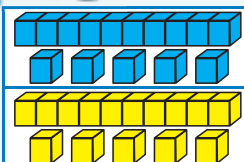
Bala ezi zinto.







Gqibezela itheyibhile. Umqolo ngamnye unomfanekiso, inani negama elimele elo nani.



15

ishumi elinesihlanu



ishumi elinesihlanu

15



Leliphi inani elinganeno ngononye kune-15? _____

Leliphi inani elingaphezulu ngononye kune-15? _____



Teacher: _____

Sign: _____

Date: _____



11 12 13 14 15 16 17 18 19 20

Ukudibanisa uyokufika kuma-20 - bala uye phambili

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

6

zintandathu



Jonga umfanekiso uze ubhale isivakalisi - manani ngomfanekiso ngamnye.

ULisa uneekese ezi-3. UManla yena uneekese ezi-5. Zingaphi iilekese abanazo zidibene?



Masibale:

3	...	4	5	6	7	8
	+		=			

Bendinamapetyu asi-8 kwaza kwalahleka ama-4. Mangaphi amapetyu endinawo ashiyekileyo?

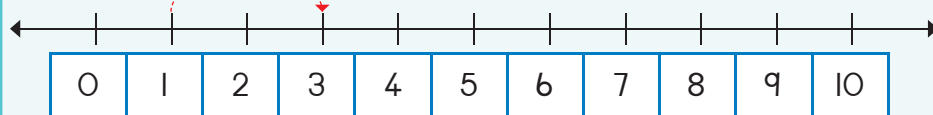


Masibale sibuye umva:

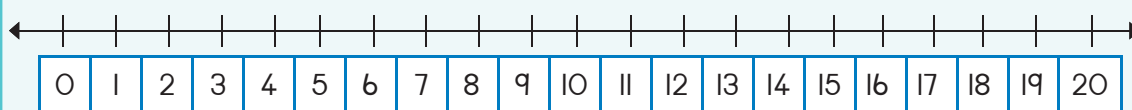
8	...	7	6	5	4
	-		=		



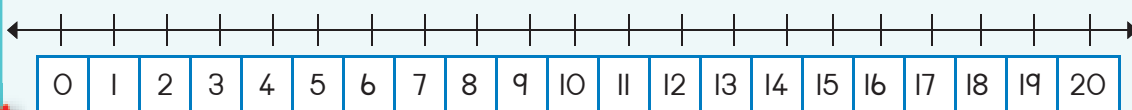
Bhala iimpendulo.



$1 + 2 = \boxed{}$



$13 + 2 = \boxed{}$



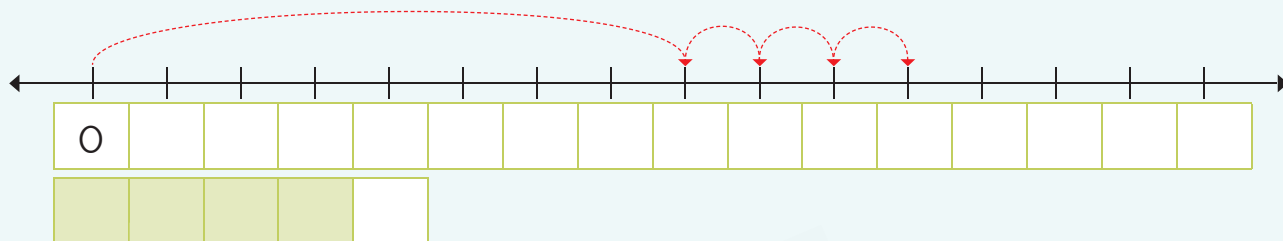
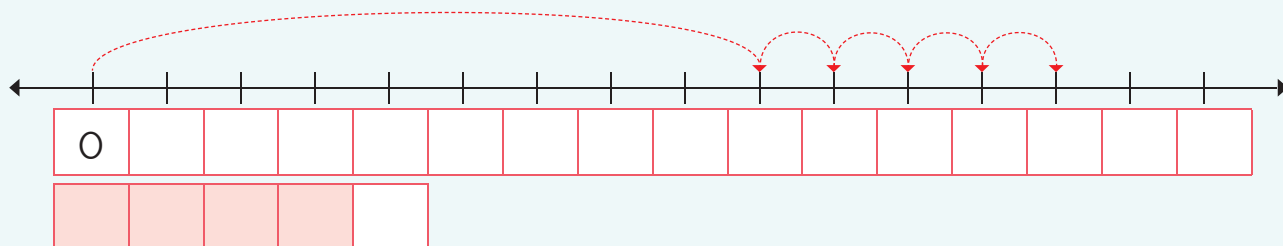
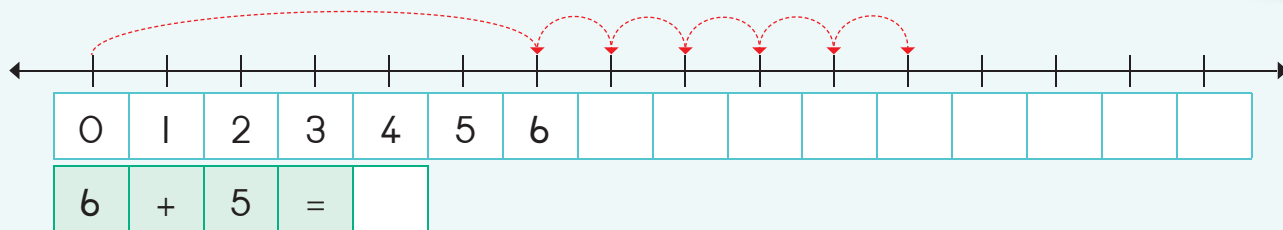
$15 + 2 = \boxed{}$



0 1 2 3 4 5 6 7 8 9 10



Fakela amanani kumgca-manani uze ubhale isivakalisi-manani.



Yongeza zibe-2.

3	5
4	
2	



7	
8	
6	



Fakela amanani.

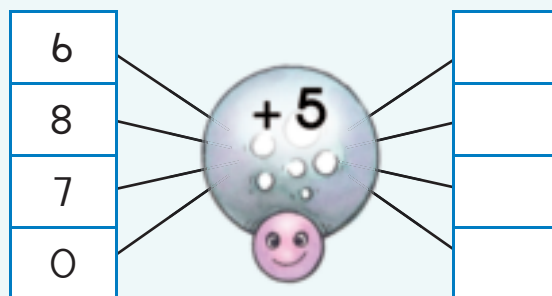
Ndineminyaka esi-7 ubudala.
Ndiza kuba neminyaka emingaphi kwiminyaka emi-5 ezayo?

7					
---	--	--	--	--	--

Ndiza kuba neminyaka eli-_____.



Nceda isigcawu sigqibezele esi sibalo.



Teacher:
Sign:
Date:



Ukudibanisa – ukwakha nokucalula amanani ukuya kwi-10

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

7

zisixhenxe



Bhala impendulo.

$3 + 3 = \square$



$0 + 5 = \square$



$3 + 2 + 1 = \square$

Fakela imibala ubonise oku
kulandelayo.

$3 + 9$



$4 + 8$



$5 + 7$



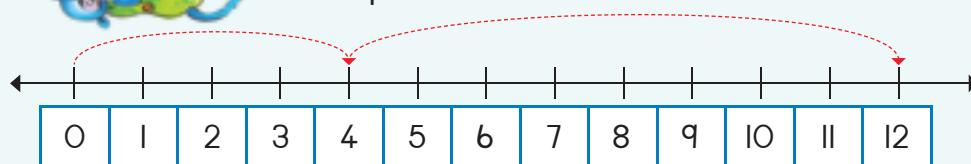
$6 + 6$



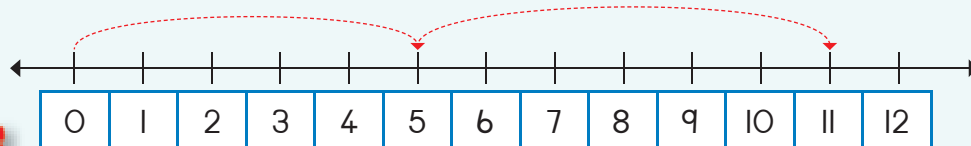
$7 + 5$



Bhala isiphumo soku:



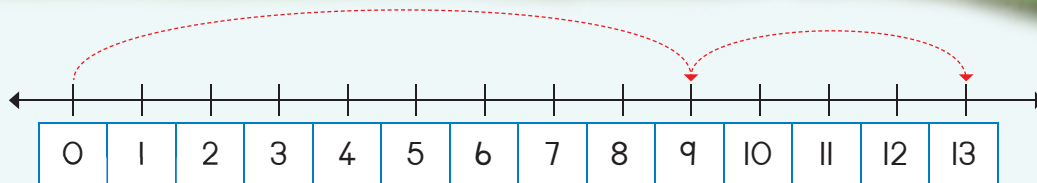
$\square + \square = \square$



$\square + \square = \square$



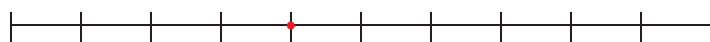
0 1 2 3 4 5 6 7 8 9 10



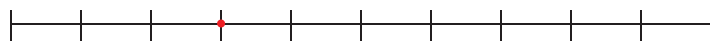
$$\square + \square = \square$$



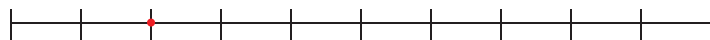
Gqibezela umgca-manani uze ubhale impendulo.



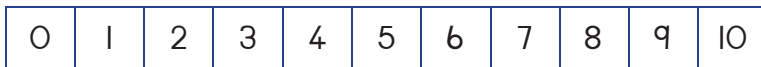
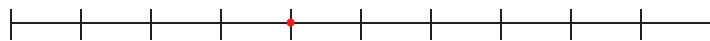
$$4 + 5 + 1 = \square$$



$$3 + 3 + 2 = \square$$



$$2 + 4 + 3 = \square$$



$$4 + 3 + 2 = \square$$



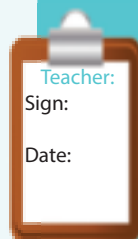
Sombulula ezi zibalo ngokuzoba imifanekiso.

Ndinamapetyu ama-5 aze umhlobo wam abe namapetyu asi-8. Mangaphi amapetyu esinawo edibene?

$$\square + \square = \square$$

Bendiphathele utitshala wethu iintyatyambo ezili-9 waze umhlobo wam waza nezi-6. Zingaphi iintyatyambo esize nazo zizonke?

$$\square + \square = \square$$



11 12 13 14 15 16 17 18 19 20



Ukudibanisa – ukwakha nokucalula amanani ukuya kufikelela kwi-15

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

8

zisibhozo

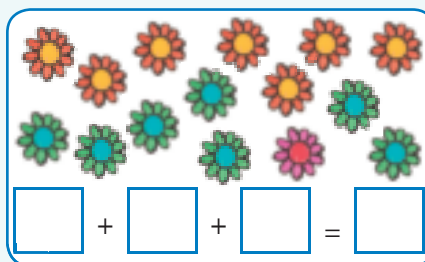
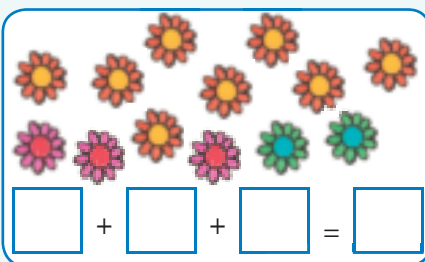
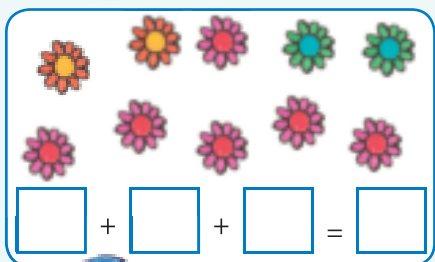


Bhala impendulo.

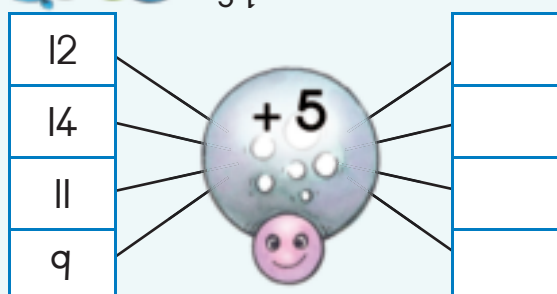
$0 + 2 =$	$2 + 2 =$	$4 + 2 =$	$6 + 2 =$	$8 + 2 =$
$10 + 2 =$	$12 + 2 =$	$14 + 2 =$	$16 + 2 =$	$18 + 2 =$



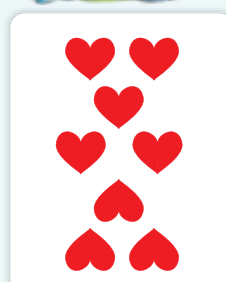
Bhala isivakalisi - manani usebenzise iintyatyambo ezinemibala eyahlukeneyo.



Nceda isigcawu sigqibezele izibalo.



Zingaphi iintliziyo?



Yenza esakho isibalo.

$$\square + \square = \square$$



0 1 2 3 4 5 6 7 8 9 10



Tshatisa izibini zamanani ukuze wenze la manani alandelayo.

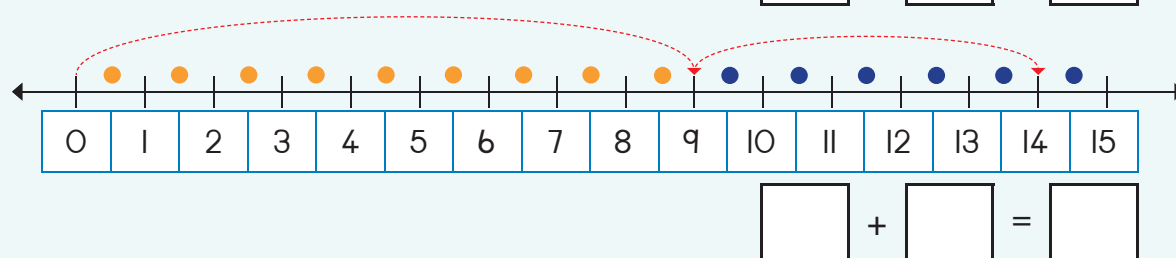
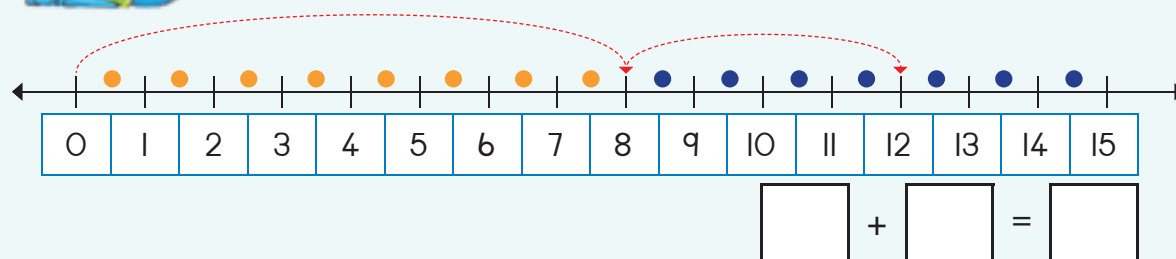
7	13	5
8		4
9		6
10		2
11		3

6	11	7
7		4
3		8
4		5
5		6

8	12	6
10		1
4		8
11		4
6		2



Bhala isivakalisi - manani soku:



Uhlaziyo:

Uhlaziyo: Fakela umbala kwimpendulo echanekileyo.

imbonakalo yangaphambili	imbonakalo yangaphambili	imbonakalo yangaphambili	imbonakalo yangaphambili
imbonakalo yangasemva	imbonakalo yangasemva	imbonakalo yangasemva	imbonakalo yangasemva
imbonakalo yasecaleni	imbonakalo yasecaleni	imbonakalo yasecaleni	imbonakalo yasecaleni



11 12 13 14 15 16 17 18 19 20

Ukudibanisa nokuthabatha – ukwakha nokucalula

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

9

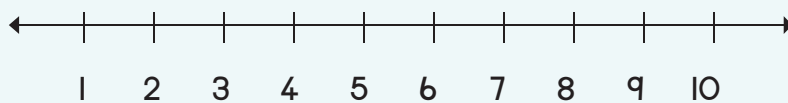
zilithoba



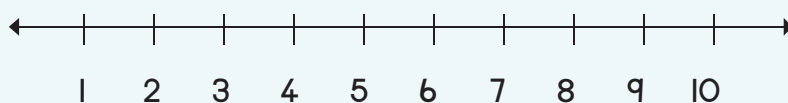
Bhala impendulo.



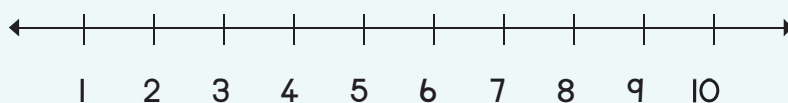
$4 - 1 =$



$5 - 3 =$



$4 - 2 =$



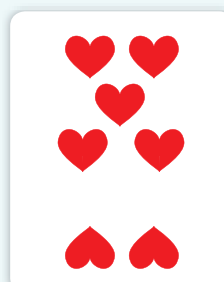
$5 - 2 =$



Nceda isigcawu sigqibezele izibalo.



Zingaphi iintliziyo?



Yenza esakho isibalo.

$\square + \square = \square$





Bala oku kulandelayo.

$$\begin{array}{l} 7 + 4 = \square \\ 7 + 4 + 1 = \square \\ 10 + 1 = \square \end{array}$$

$$\begin{array}{l} 6 + 6 = \square \\ 6 + \square + \square = \square \\ 10 + \square = \square \end{array}$$

$$\begin{array}{l} 13 - 6 = \square \\ 13 - 3 + 3 = \square \\ 10 - 3 = \square \end{array}$$

$$\begin{array}{l} 12 - 8 = \square \\ \square - \square + \square = \square \\ 10 - 3 = \square \end{array}$$



Bhala iimpendulo uze ufakele imibala uzobe.

$$8 + 6 = \square$$

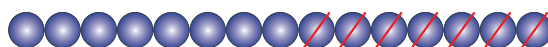


Oku singakubonisa ngale ndlela:

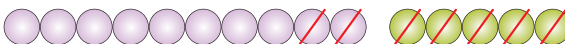


$$(8 + 2) + 4 = \square \rightarrow 10 + 4 = \square$$

$$15 - 7 = \square$$

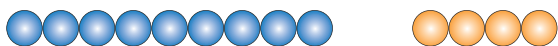


Oku singakubonisa ngale ndlela:



$$(15 - 5) - 2 = \square \rightarrow 10 - 2 = \square$$

$$9 + 4 = \square$$



Oku singakubonisa ngale ndlela:



$$(9 + 1) + 3 = \square \rightarrow \square$$

$$14 - 5 = \square$$



Oku singakubonisa ngale ndlela:

$$(\quad - \quad) - 1 = \square \rightarrow 10 - 1 = \square$$

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

10

lishumi

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Ubude

Ikota 3



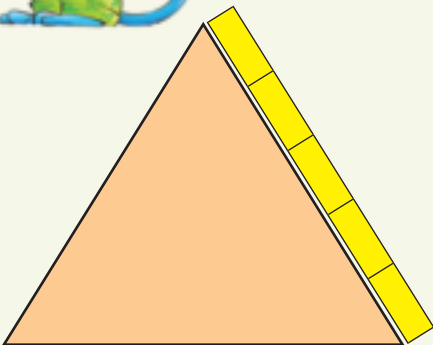
Jonga umfanekiso uze uphendule imibuzo.

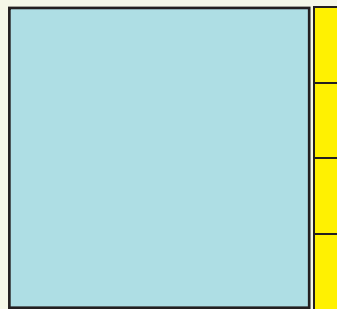
Jabu	Pam	Nomsa	Ken
			

Ngubani oyena mde?	Ngubani eyona nkwenkwe imfutshane?
Ngubani oyena mfutshane?	Ngubani eyona ntombazana inde?



Amacala ezi milo made kangangeebloko ezingaphi?









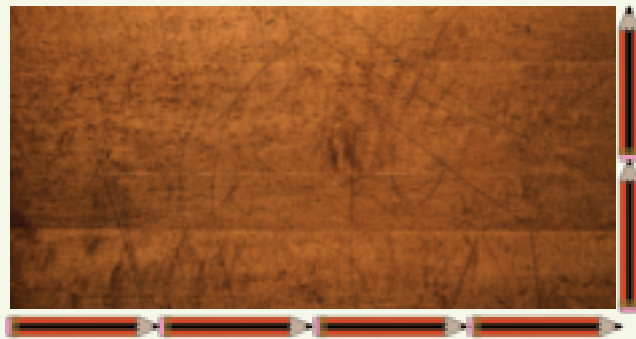


Xela ubude nobubanzi betafile ngokweebloko neepenisile.



Ububanzi ziibloko ezi_____.

Ubude ziibloko ezi_____.



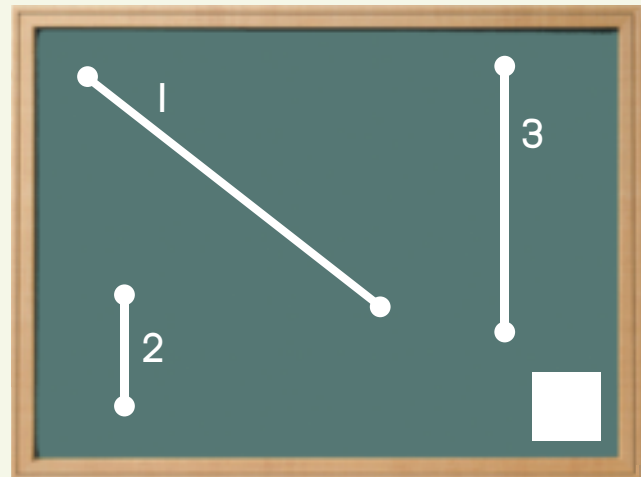
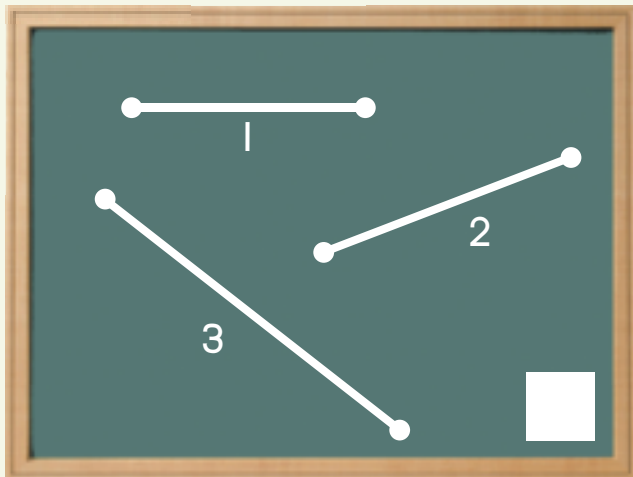
Ububanzi ziibloko ezi_____.

Ubude ziibloko ezi_____.



Ngowuphi umgca omfuthane kakhulu?
Ngumgca 1, 2 okanye 3?

Ngowuphi umgca omde kakhulu?
Ngumgca 1, 2 okanye 3?



11 12 13 14 15 16 17 18 19 20



Imali netshintshi



Phawula esona sixa siphezulu kumqolo ngamnye.

 ☐	 ☒	 ☐	 ☐
 ☐	 ☐	 ☐	 ☐



Phawula iingqekembe zemali eziza kukunika ii-RIO.

 ☐	 ☐	 ☐	 ☐
 ☐	 ☐	 ☐	 ☐



Phawula iingqekembe zemali eziza kukunika ama-R20.

 ☐	 ☐	 ☐	 ☐	 ☐	 ☐
 ☐	 ☐	 ☐	 ☐		



Bala oku kulandelayo.

$R5 + RIO =$		$R5 + R2 + R8 =$		$RIO + RIO =$	
$R3 + RIO + R2 + R2 =$		$R5 + R7 + RI + R5 =$		$RIO + RI + R5 + R2 =$	



Sombulula ezi zibalo:

Ndinengqekembe yee-R2 neyee-R5.
Umhlobo wam yena uneengqekembe
zee-R2 ezintathu.
Ngubani oneyona mali ininzi?

Ndinengqekembe yee-R5 neye-RI.
Umhlobo wam yena uneengqekembe
zee-R5 ezintathu.
Ngubani oneyona mali ininzi?



Ndinee-R15:

Ndihlawula

Itshintshi

$R4 + R7 = R11$	$R4$
$R6 + R9 =$	
$R8 + R3 =$	
$R2 + R11 =$	
$R3 + R8 =$	
$R6 + R8 =$	
$RO + R2 =$	
$R2 + R2 =$	
$R4 + R2 =$	
$R6 + R2 =$	



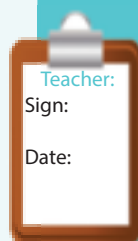
Bala oku kulandelayo:

Ndinee-R15. Ndihlawule ipakethe yeetshiphusi
ngee-R6. Ndishiye kelwe yimalini?



Yenze ibe nganeno ngee-R2.

$R11$		$R4$	
$R12$		$R6$	
$R10$		$R8$	



11

12

13

14

15

16

17

18

19

20

23

Imali netshintshi



Zoba iingqekembe zemali ezenza oku:

R11	
R12	
R13	
R14	



Phawula uze ubhale impendulo echanekileyo.

$$R18 - R8 = \quad R10$$



$$R12 - R2 = \quad$$



$$R15 - R4 = \quad$$



$$R14 - R7 = \quad$$



Bala oku kulandelayo:

$R15 - R10 =$	
$R10 - R1 - R1 - R2 =$	

$R20 - R2 - R8 =$	
$R5 - R4 =$	

$R20 - R5 =$	
$R10 - R1 - R5 - R2 =$	

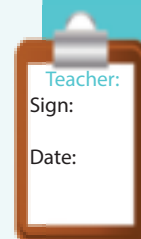
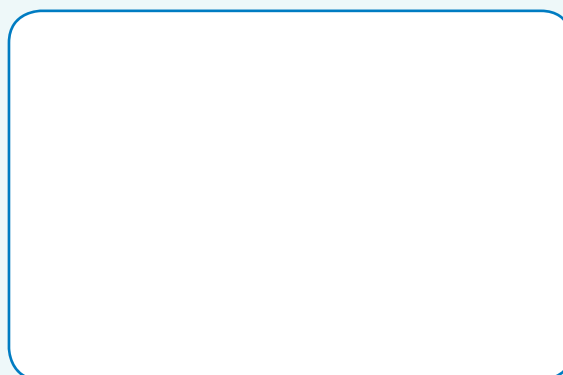


Bala oku kulandelayo.

Ndinee -R15. Ndithenge nge -	Ndishiyekelwe yimalini?
R2 okanye R4 =	R9
R8 okanye R4 =	
R12 okanye R2 =	
R5 okanye R5 =	
R8 okanye R7 =	
R10 okanye R2 =	
R8 okanye R2 =	
R6 okanye R2 =	
R4 okanye R2 =	
R2 okanye R2 =	
R9 okanye R6 =	
R10 okanye R2 =	



Ndinee -R15. Ndithenge ipakethe yeelekese ngee -R11.
Zoba umfanekiso ubonise ukuba ushiyekelwe yimalini.



Imali: Ukudibanisa nokuthabatha



Bala oku kulandelayo:

$R10 + R2 =$	
$R10 + R4 =$	
$R9 + R5 =$	
$R12 + R5 =$	

$R10 + R5 =$	
$R10 + R7 =$	
$R8 + R4 =$	
$R14 + R2 =$	

$R10 + R1 =$	
$R10 + R6 =$	
$R7 + R6 =$	
$R11 + R6 =$	



Bala oku kulandelayo:

$R10 - R7 =$	
$R15 - R1 =$	
$R12 - R2 =$	
$R15 - R6 =$	

$R10 - R2 =$	
$R15 - R15 =$	
$R14 - R7 =$	
$R12 - R9 =$	

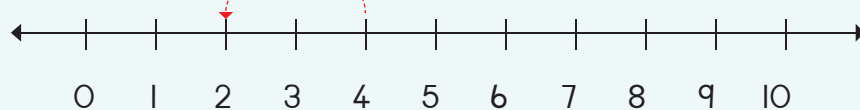
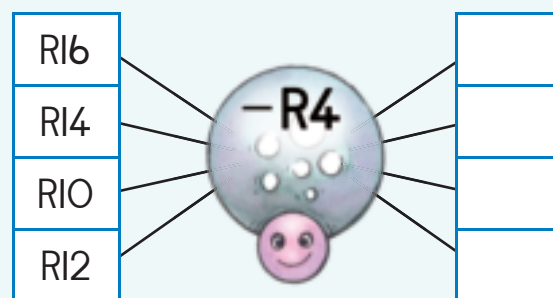
$R10 - R5 =$	
$R15 - R2 =$	
$R16 - R6 =$	
$R14 - R4 =$	



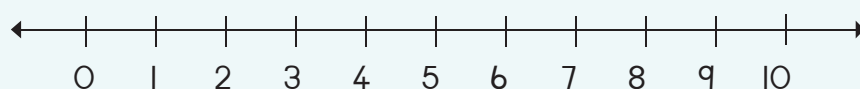
Nceda isigcawu sigqibezele zonke izibalo.



Yenze ibe ngaphantsi ngee -R2.



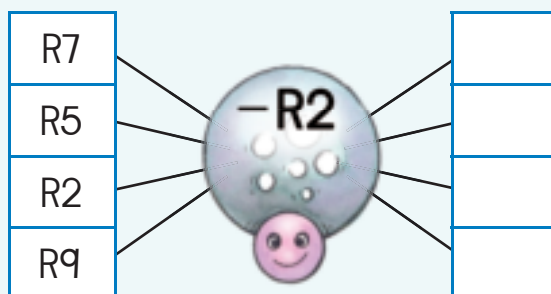
$$R4 - R2 =$$



$$R7 - R2 =$$



Nceda isigcawu senze zonke izibalo zokuthabatha.



Sombulula ezi zibalo zilandelayo.

Ubunee -R12. Umama wakho ukuphe ii-R5. Unamalini ngoku iyonke?

Unee -R19. Uthenge iilekese ngee -R8. Unamalini eshiyekileyo?

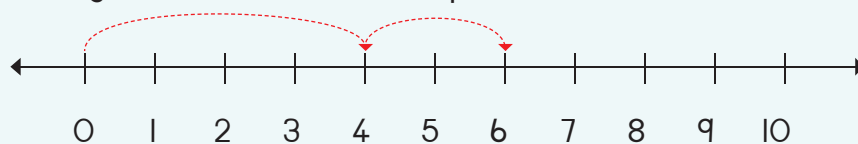


Ndigcine malini?

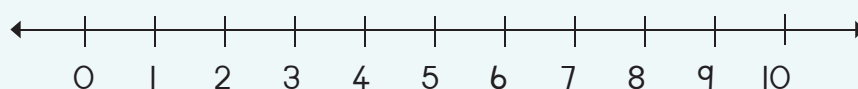


Bonisa isibalo kumgca -manani uze ubhale impendulo.

$R4 + R2 =$



$R8 + R2 =$



Teacher:

Sign:

Date:



11

12

13

14

15

16

17

18

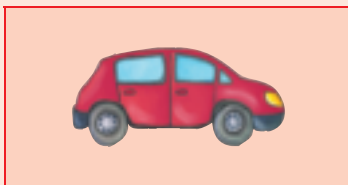
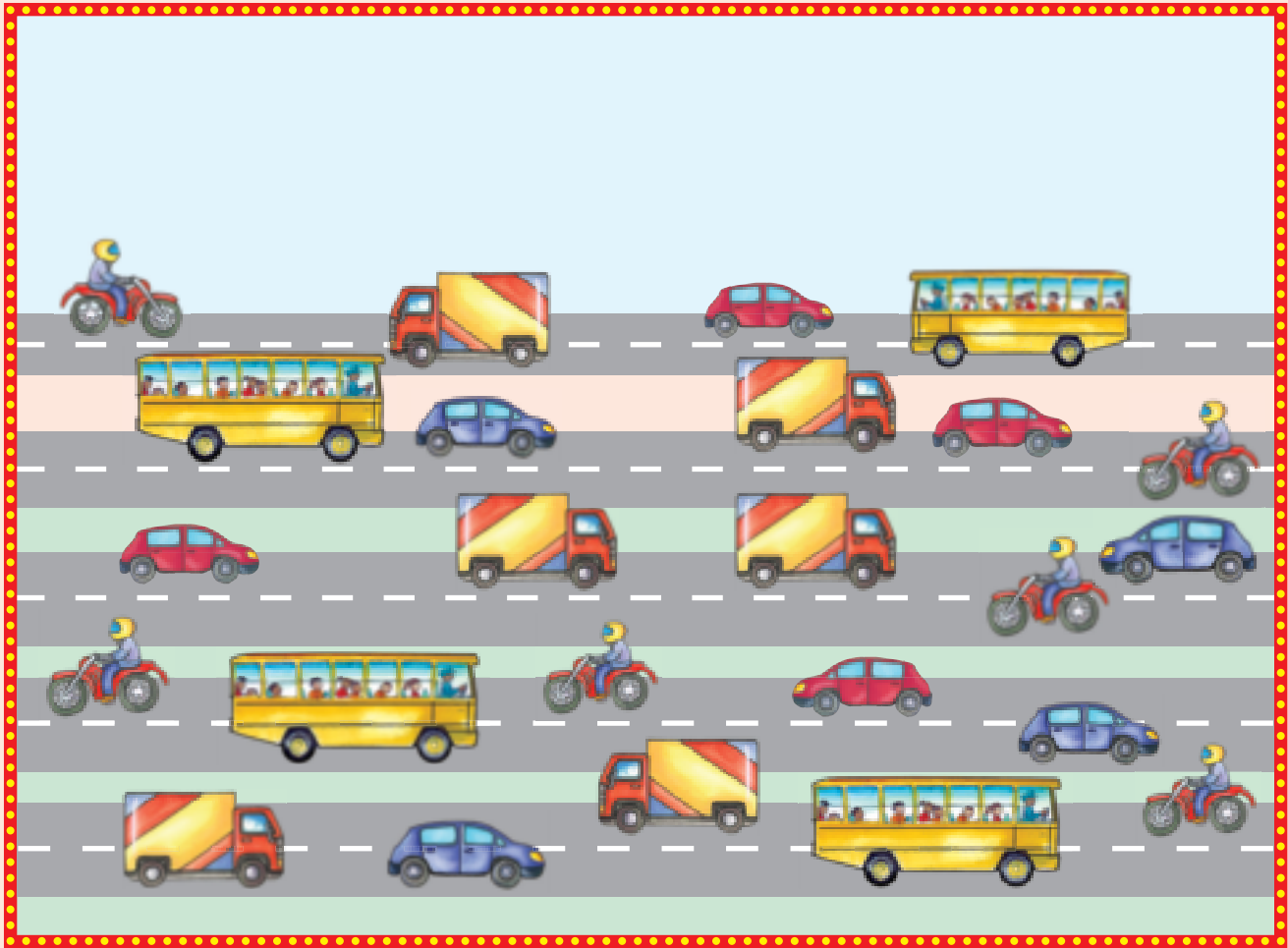
19

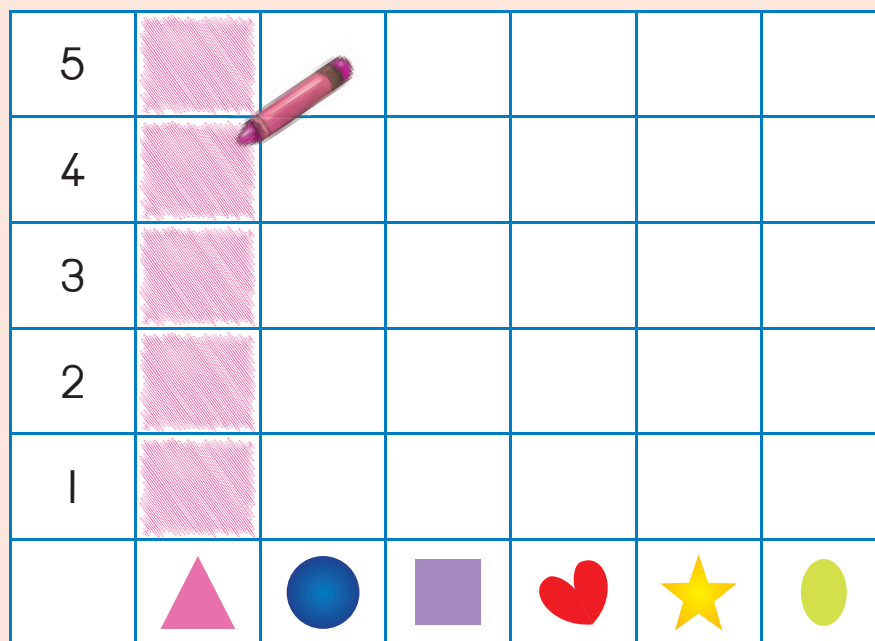
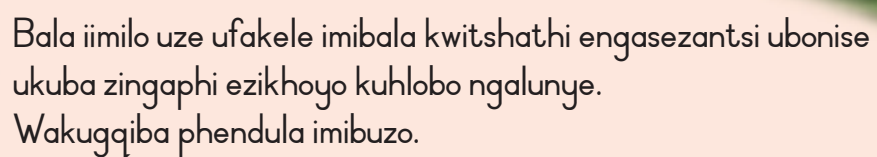
20



Iinkcukacha

Bala ukuba zingaphi izithuthi ozibonayo kuhlobo ngalunye.





Ezona zimbabwa_____.

Teacher:

Sign:

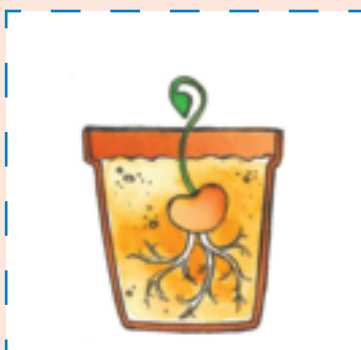
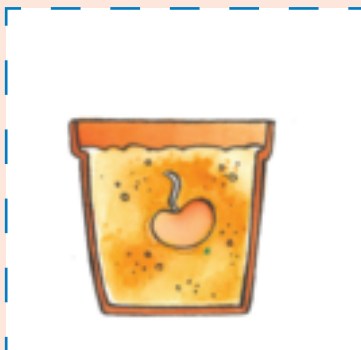
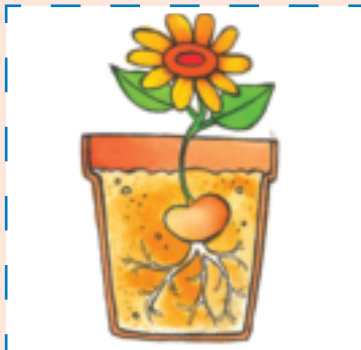
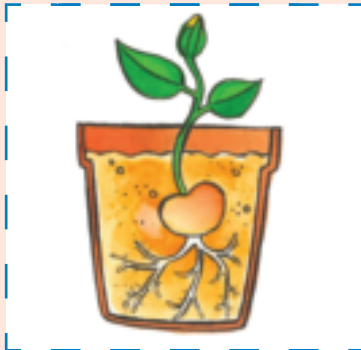
Date:



Iinkcukacha nexesha



Ncokola ngale mifanekiso uze uyibeke ngokulandelelana kwayo kakuhle.



1



2



3



4



Sebenzisa amakhadi okuhlela akuMsiko I ugqibezele le grafu yemifanekiso.



--	--	--	--



Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



Amaqela ezihlanu ukuya kufikelela kwi-15

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

5

zintlanu



Jonga umfanekiso uze uphendule umbuzo.



Jonga umfanekiso.

Singakubhala ngolu hlobo oku:

Mangaphi amaqela ezi-5 onokuwenza?

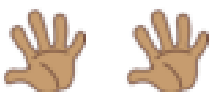
Zoba apha owakho umfanekiso.



Iqela elinye lesi-5 sisi-5



Bala iminwe uze ubhale impendulo.



$$5 + 5 =$$

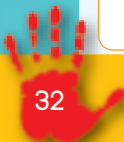


$$5 + 5 + 5 =$$



$$5 + 5 + 5 + 5 =$$

Amaqela ama-2
ezihlanu li-10



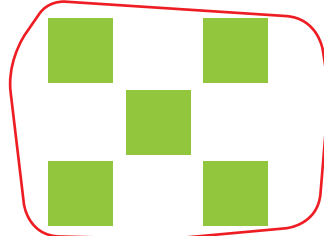
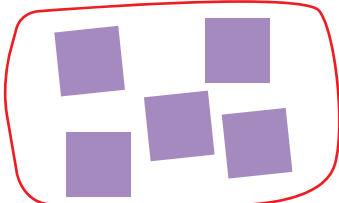


Biyela ngezangqa ezi zinto ukuze wenze oku:

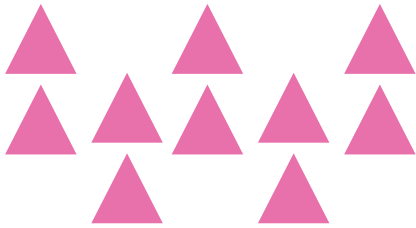


Bhala izivakalisi - manani zoku:

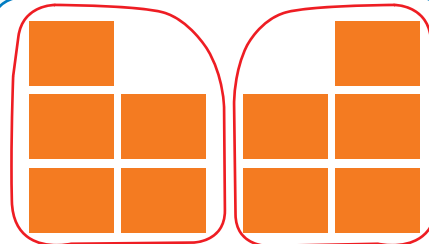
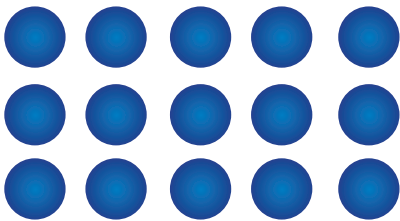
Iqela eli-1 lesi-5



Amaqela ama-2 ezi-5



Amaqela ama-3 ezi-5



Mangaphi amaqela ezihlanu ongawenzayo?

10	ne	0		amaqela
8	ne	2		amaqela
6	ne	4		amaqela
4	ne	1		amaqela
2	ne	3		amaqela

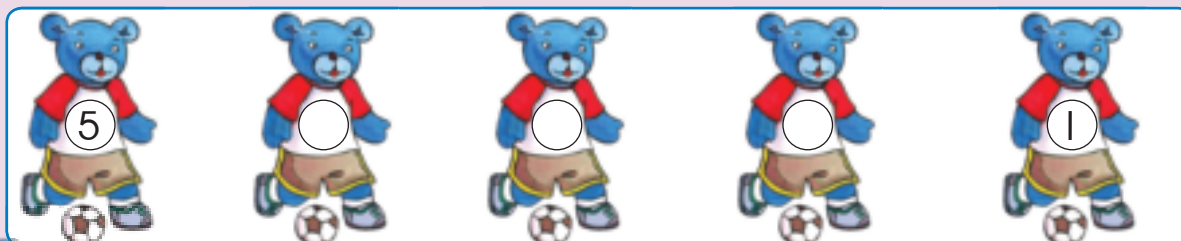




Izihlanu: ukudibanisa okuphindiweyo ukuya kwi-15

Uhlaziyo:

Uhlaziyo: Fakela amanani ashiyiweyo.



Zingaphi iinzwane okanye iminwe ekhoyo?
Bhala isivakalisi -manani.



Zoba:

Iqela leebhanana ezintlanu

Amaqela amabini eentyatyambo
ezintlanu lilinye

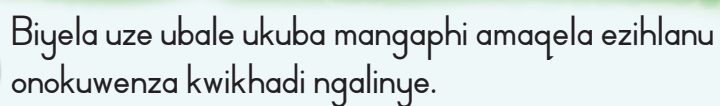


Zoba iimilo.

$$5 + 5 = 10$$

$$5 + 5 + 5 = \square$$





Sebenzisa imibala eyahlukeneyo ubonise amanani oza kuwasebenzisa ekwenzeni amaqela ezihlanu.

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



Mangaphi amaqela ezihlanu onokuwenza?

1	ne	14	ziza kwenza amaqela	
13	ne	2	ziza kwenza amaqela	
8	ne	2	ziza kwenza amaqela	
7	ne	8	ziza kwenza amaqela	
9	ne	2	ziza kwenza amaqela	



Date:



Izihlanu ukuya kufikelela kwi-15



Fakela amanani ashiyiweyo.

I		3		5		7	8	9	
II	12								

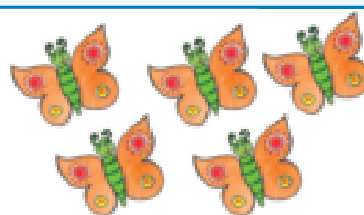
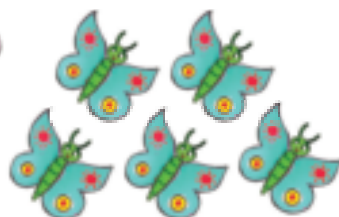
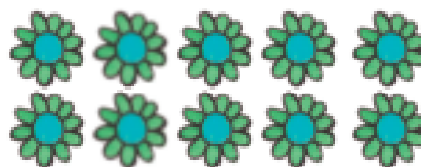


Yenza amaqela ezihlanu. Ubhantom ngamnye kufuneka abe neqela lamachokoza amahlanu kwiphiko ngalinye.
Zoba amachokoza angekhoyo.





Bhala isivakalisi - manani.



Bala.

$$0 + 5 = \square$$

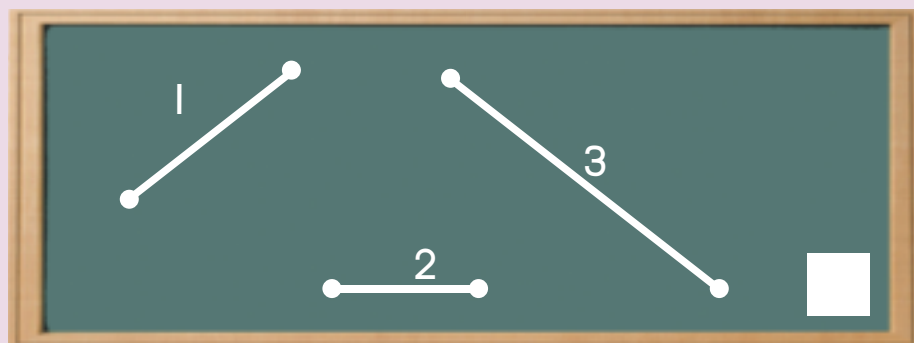
$$5 + 5 + 5 = \square$$

$$5 + 5 = \square$$

$$5 + 5 + 5 + 5 = \square$$

Uhlaziyo:

Uhlaziyo: Ngowuphi owona mgca umde?



Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



Iipatheni zamanani zezihlanu ukuya kutsho kuma - 50

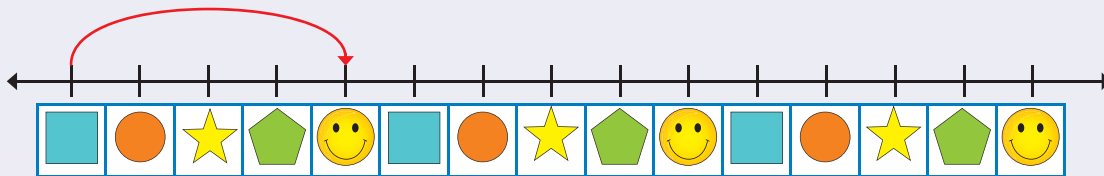


Gqibezela iipatheni zezihlanu ngokufakela imibala kula manani.

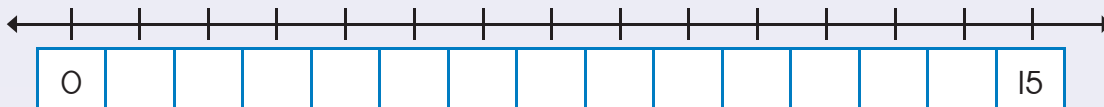
I	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50



Zoba izazinge ubonise amaqela ezihlanu.

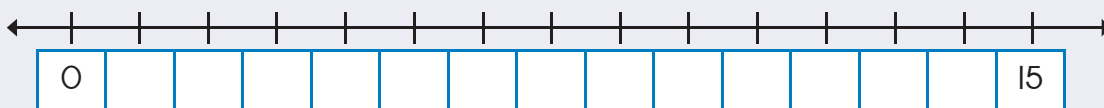


Bhala amanani ashiyiweyo uze wenze izazinge ubonise amaqela ezihlanu.



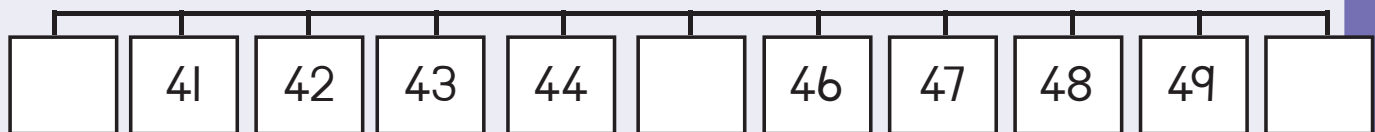
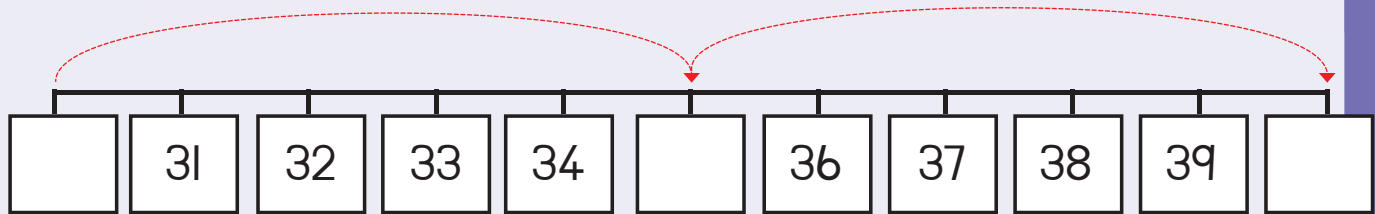
Gqibezela umgca - manani. Zoba izazinge ubonise amaqela ezihlanu.

Kukho amaqela ezihlanu a .



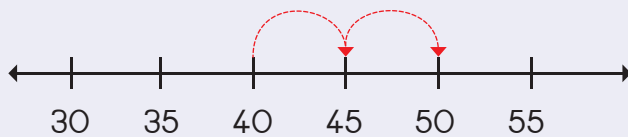


Sika amanani ashijiyewo kuMsiko 2 uze uwafake kumgca-manani.

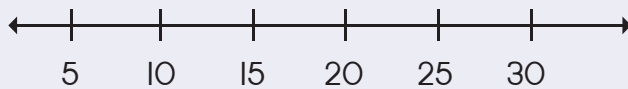


Zoba izazinge ubonise oku:

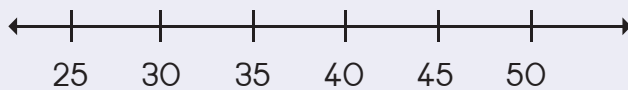
40, 45, 50



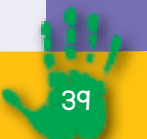
10, 15, 20



25, 30, 35



Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20





Iipatheni zamanani zezihlanu ukuya kutsho kuma-80

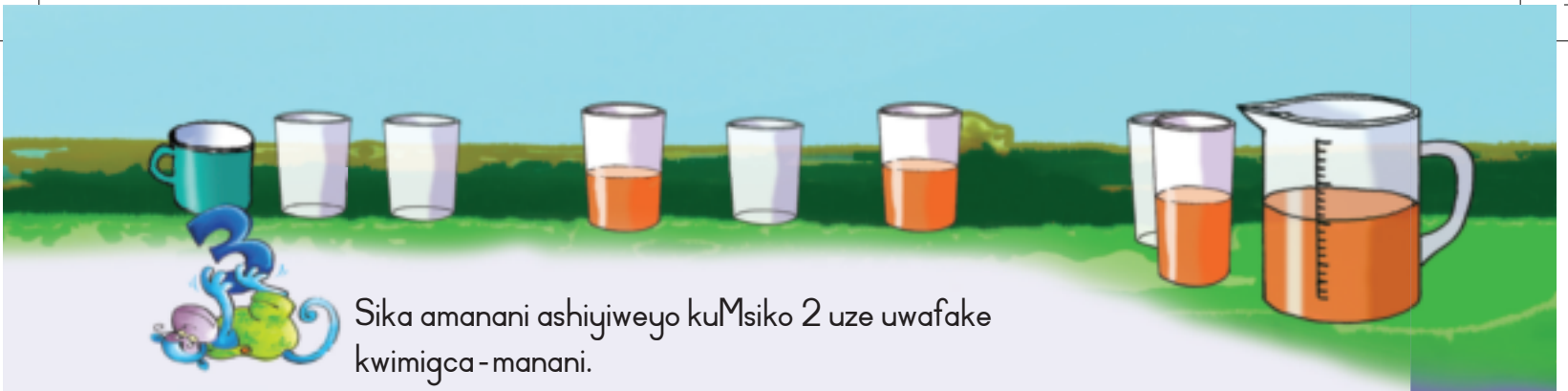


Mangaphi amaqela ezihlanu owabonayo emfanekisweni?

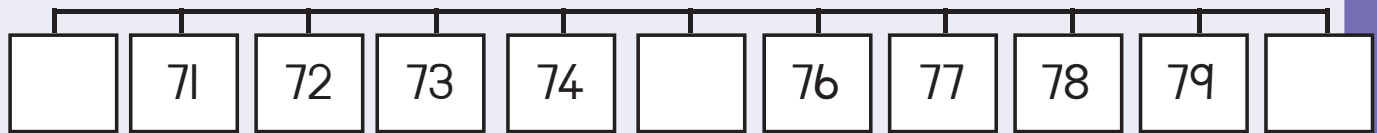
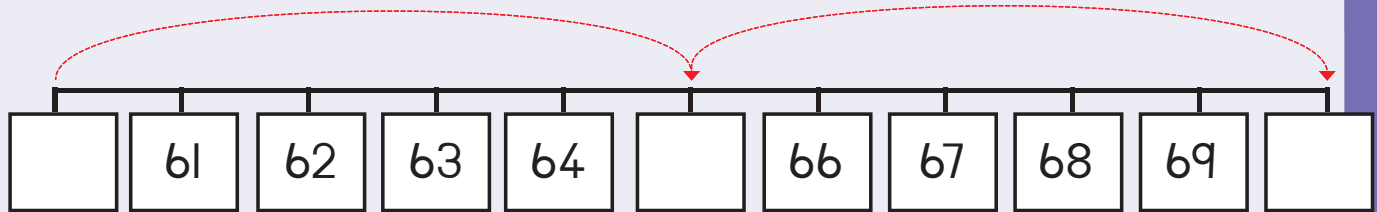


Gqibezela le mifanekiso ubonise amaqela ezihlanu.



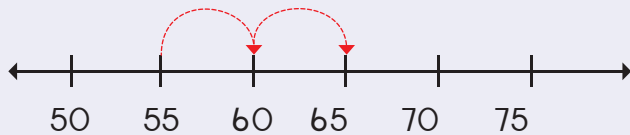


Sika amanani ashijiweyo kuMsiko 2 uze uwafake kwimigca - manani.

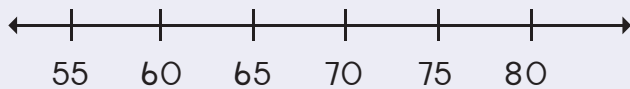


Zoba izazinge ubonise oku kulandelayo:

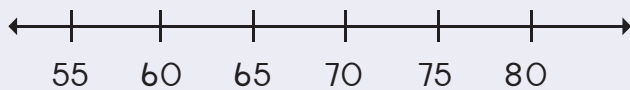
55, 60, 65



65, 70, 75



70, 75, 80



Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20





Umhla:

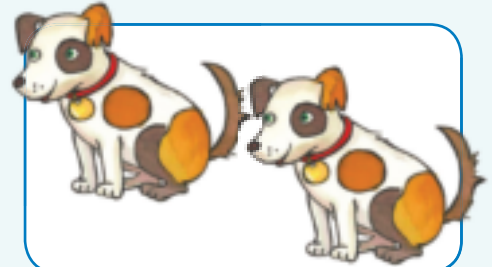
Iziphindwa kabini



Phinda kabini ezi zinto uze ubhale impendulo.



u-1 ophindwe kabini



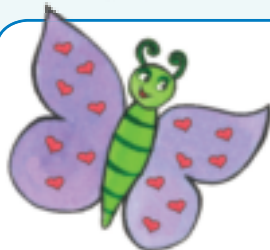
Ezi-4 eziphindwe kabini



Ezi-5 eziphindwe kabini



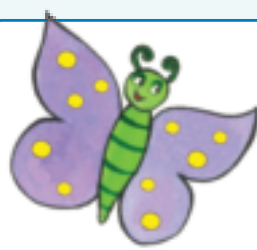
Bala iimilo ezikwiphiko ngalinye lebhathane.
Gqibezela izivakalisi-manani zokuphindwa kabini.



$$7 + 7 =$$

Okanye

Ezi-7 eziphindwe kabini =



$$5 + 5 =$$

okanye

Ezi-5 eziphindwe kabini =

$$2 + 2 =$$

okanye

Ezi-2 eziphindwe kabini =





Gqibezela:

Mangaphi amavili owabonayo? 	Mangaphi amavili owabonayo ngoku? 	Mangaphi amaqanda asetryini? 	Mangaphi amaqanda akhoyo ngoku? 
---	---	---	---



Bala amachokoza uze uwaphinde kabini.

	1	phinda kabini →		2
	2	phinda kabini →		
	3	phinda kabini →		
	4	phinda kabini →		
	5	phinda kabini →		



Phinda kabini amanani.

4	phinda kabini →	8
5	phinda kabini →	
6	phinda kabini →	
3	phinda kabini →	
2	phinda kabini →	
10	phinda kabini →	



Gqibezela oku kulandelayo:

Zingaphi iintsuku evekini? <table border="1"> <tr> <th>C</th><th>Mv</th><th>Lb</th><th>Lt</th><th>Ln</th><th>Lhl</th><th>Mgq</th></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>	C	Mv	Lb	Lt	Ln	Lhl	Mgq								Zingaphi iintsuku kwiiveki ezimbini? <table border="1"> <tr> <th>C</th><th>Mv</th><th>Lb</th><th>Lt</th><th>Ln</th><th>Lhl</th><th>Mgq</th><th>C</th><th>Mv</th><th>Lb</th><th>Lt</th><th>Ln</th><th>Lhl</th><th>Mgq</th></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>	C	Mv	Lb	Lt	Ln	Lhl	Mgq	C	Mv	Lb	Lt	Ln	Lhl	Mgq														
C	Mv	Lb	Lt	Ln	Lhl	Mgq																																					
C	Mv	Lb	Lt	Ln	Lhl	Mgq	C	Mv	Lb	Lt	Ln	Lhl	Mgq																														
Zingaphi iinyawo ozibonayo? 	Zingaphi iinyawo ozibonayo ngoku? 																																										
	Sithi ezi-7 eziphindwe kabini zenza i-14. Iza kuba ngubani ke isiqingatha se-14?																																										
	Sithi ezi-2 eziphindwe kabini zenza -4. Iza kuba yintoni isiqingatha sesi -4?																																										



Gqibezela:

$2 + 2 + 1 =$	5	okanye	Phinda kabini $2 + 1 = 5$
$4 + 4 + 1 =$		okanye	
$7 + 7 + 1 =$		okanye	





Teacher: _____

Sign: _____

Date: _____

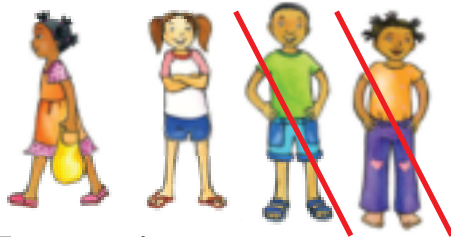


Umhla:

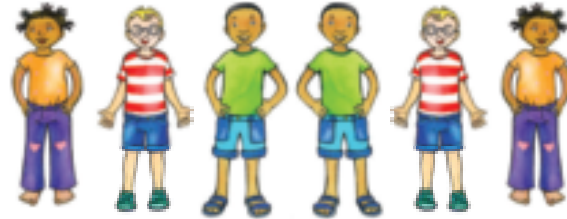
Iziqingatha



Hlaba isiqingatha sabantwana uze ubhale impendulo.



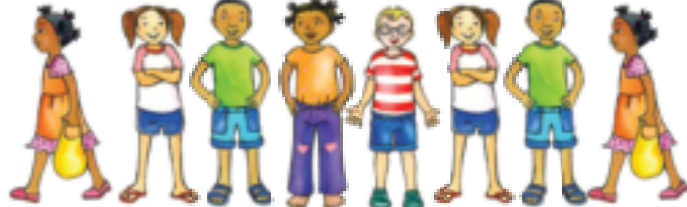
Isiqingatha sezi - 4 sisi _____



Isiqingatha sezi - 6 sisi _____



Isiqingatha sezi - 2 ngu _____



Isiqingatha sezisi - 8 sisi _____



Hlaba isiqingatha uze ubhale impendulo.



Isiqingatha sezi - 2 ngu =



Isiqingatha
sesi - 8 sisi - =



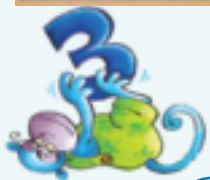
Isiqingatha sezi - 4 sisi - =



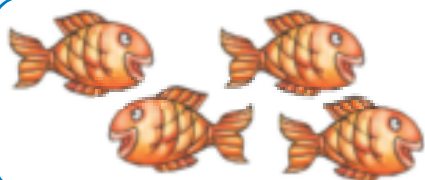
Isiqingatha sezi - 6 sisi - =



Isiqingatha
se - 10 sisi - =



Zingaphi
iintlanzi
ezikhoyo?





Sithini/Ngubani
isiqingatha
seentlanzi?





Bala amachokoza uze uwahlule kubini.

	2	yahlula kubini →		1
	4	yahlula kubini →		
	6	yahlula kubini →		
	8	yahlula kubini →		
	10	yahlula kubini →		



Yahlula kubini amanani.

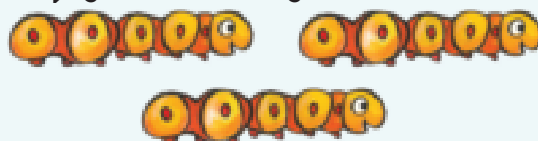
4	yahlula kubini →	2
8	yahlula kubini →	
6	yahlula kubini →	
10	yahlula kubini →	
12	yahlula kubini →	
14	yahlula kubini →	



Mingaphi imibungu ekhoyo?



Isiqingatha semibungu:





Nika impendulo:

Mingaphi imilenze ekhoyo?



Mingaphi imilenze ekhoyo ngoku?



Sithi isiqingatha sesi-8 sisi



Teacher:
Sign:
Date:



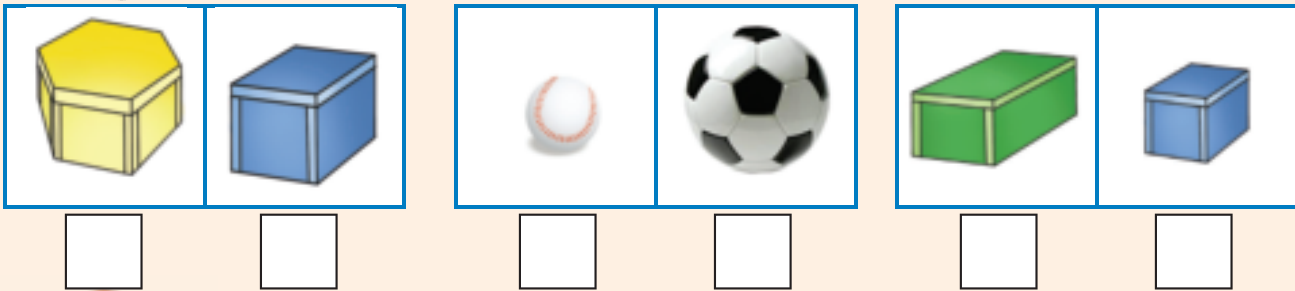
11 12 13 14 15 16 17 18 19 20



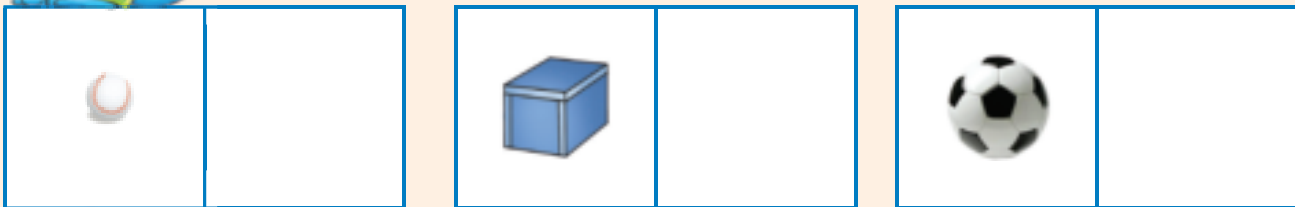
Izinto ezinemilinganiselo emi-3 (3D)



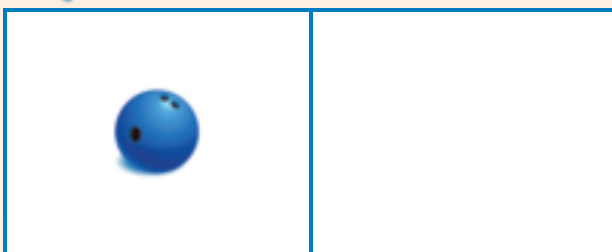
Phawula eyona incinane.



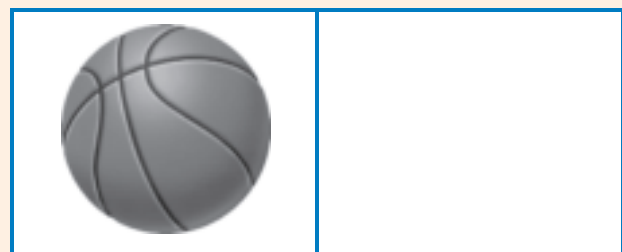
Zoba enkudlwana kwicala langasekunene lomfanekiso ngamnye.



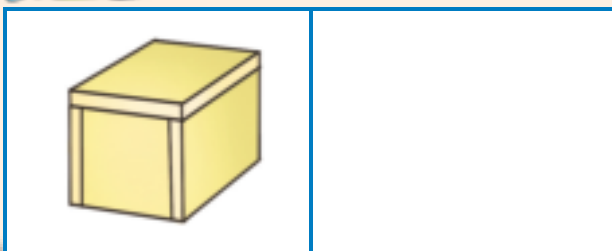
Zoba ibhola enkudlwana kunebhola ezuba.



Zoba ibhola encinane kunebhola engwevu.

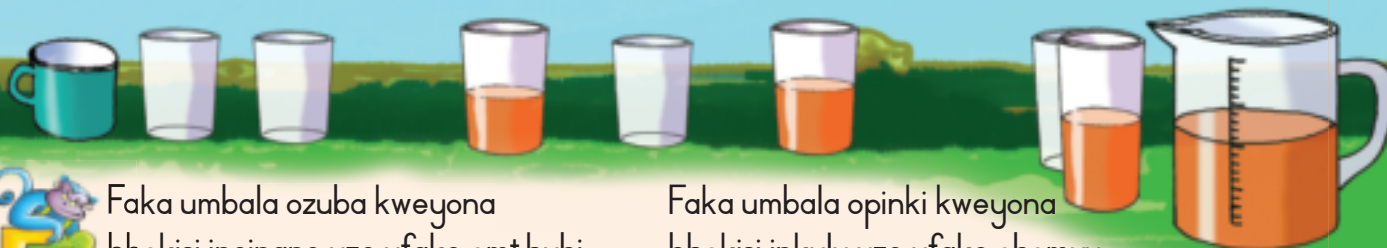


Zoba ibhokisi encinane kunebhokisi emthubi.



Zoba ibhokisi enkudlwana kunebhokisi eluhlaza.

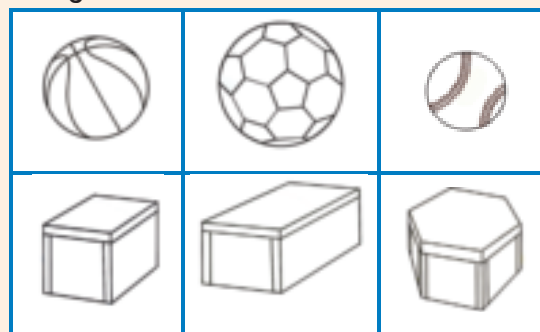




Faka umbala ozuba kweyona bhokisi incinane uze ufake omthubi kweyona bhola incinane.



Faka umbala opinki kweyona bhokisi inkulu uze ufake obomvu kweyona bhola inkulu.



Ungakwazi ukwakha eyona ncochoyi iphezulu ngezi zinto?



Faka umbala ku-ewe okanye ku-hayi

ewe hayi

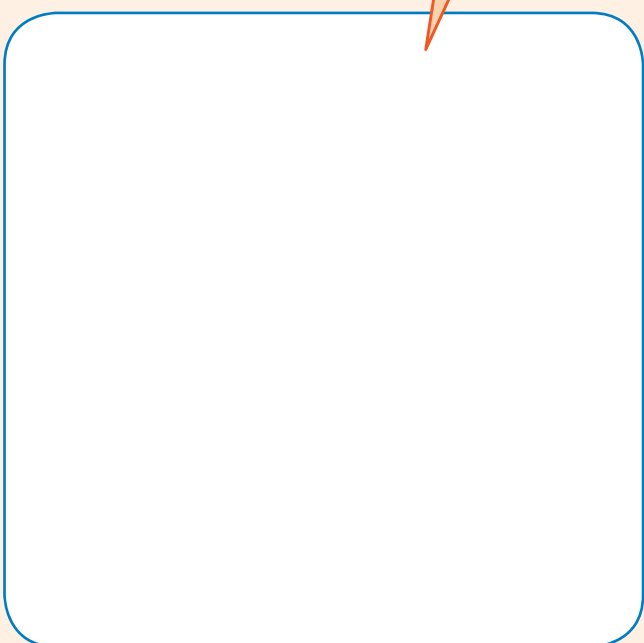
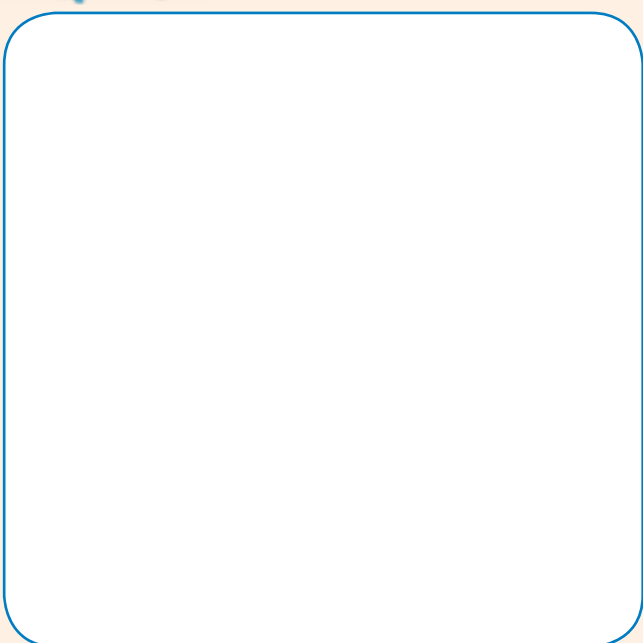
ewe hayi

ewe hayi



Sika imifanekiso kwimagazini okanye kwiphephandaba uze uyincamathelise ukuze uzenzele iincochoyi zakho ezimbini.

Khumbula ukuba ezi ncochoyi kufuneka zingawi.





Izinto ezinemilinganiselo emi-3 (3D) – ezitshebelezayo neziqengqelekayo



Ingaba ezi zinto ziyaqengqeleka okanye ziyatyibilika?
Faka umbala kwimpendulo echanekileyo.



iyaqengqeleka

iyatyibilika



iyaqengqeleka

iyatyibilika



iyaqengqeleka

iyatyibilika



iyaqengqeleka

iyatyibilika



Ingaba kungenzeka oku?
Faka umbala kwimpendulo echanekileyo.



ewe

hayi



ewe

hayi



ewe

hayi



Hlela ezi zinto zilandelayo ngokuthi uzizobe kwibloko echanekileyo.

	Iibhola	Iibhokisi
---	---------	-----------



Hlela ezi zinto ngokobukhulu bazo uze uzizobe.

	Iibhola ezincinci	Iibhokisi ezincinci
	Iibhola ezinkulu	Iibhokisi ezinkulu





Teacher:
Sign:
Date:



89



Umhla:

Iipatheni zejometri

Uhlaziyo:

Zoba ezi zinto:

uxande

isikwere

isangqa



Gqibezela ipatheni.



Zoba imifanekiso ukuze uqhubeke nepatheni.



Zoba eyakho ipatheni.



Ncamathelisa imifanekiso wenze eyakho ipatheni.



Gqibezela le patheni.

A	B	C	A	B	C				A	B	C
---	---	---	---	---	---	--	--	--	---	---	---

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



90



Amaqela ezibini ukuya kutsho kwi-15

Ikota 3



Bhala eli nani ngamagama.

2

zimbini



Phendula imibuzo.



Bangaphi oonombombiya obabonayo?

Zingaphi izibini zamanqina ozibonayo?

Bhala isivakalisi - manani.



Phendula imibuzo.



Zingaphi iincwadi ezikhoyo?

Ndingenza amaqela ezibini amangaphi?

Bhala isivakalisi - manani.



Bhala inani ngamagama.

4



Bala amaphiko, wakugqiba bhala impendulo yakho.



$$2 + 2 =$$



$$2 + 2 + 2 =$$



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

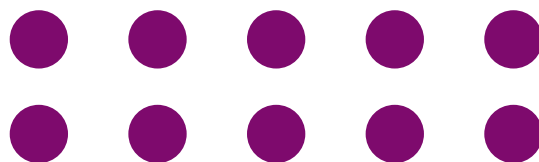


Biyela ngezangqa ukuze wenze:

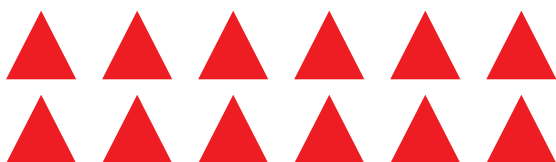
Amaqela ama-4 ezi-2



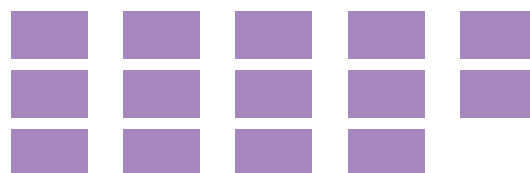
Amaqela ama-5 ezi-2



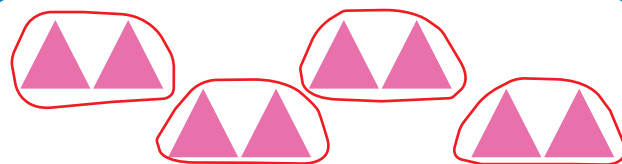
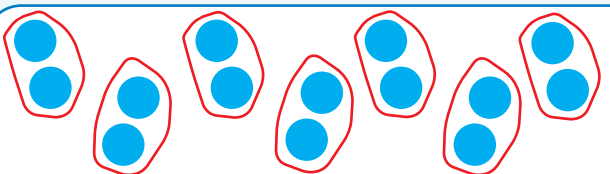
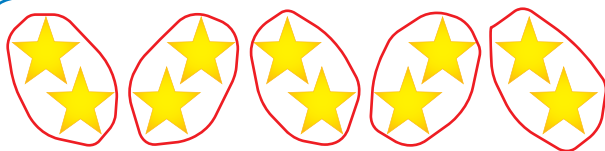
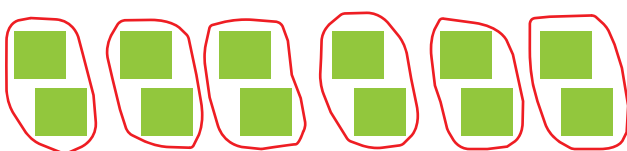
Amaqela ama-6 ezi-2



Amaqela asi-7 ezi-2



Bhala isivakalisi - manani.



Mangaphi amaqela ezibini onokuwenza?

i-13 ne-1 zingenza	amaqela a
i-11 ne-1 zingenza	amaqela a
i-9 ne-1 zingenza	amaqela a
Ezi-7 ne-1 zingenza	amaqela a

i-12 ne-1 zingenza	amaqela a
Ezi-5 ne-1 zingenza	amaqela a
u-1 ne-1 bangenza	iqela eli
i-10 ne-0 zingenza	amaqela a

Teacher:

Sign:

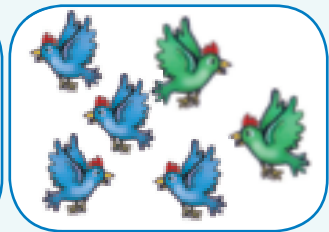
Date:



Ukudibanisa izibini eziphindiweyo ukuya kutsho kwi-15



Mangaphi amanqina akhoyo?

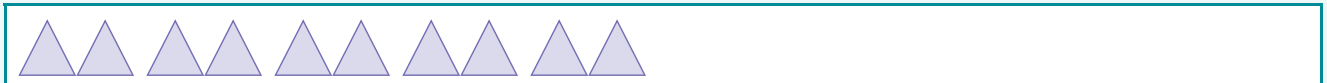


Uwabale njani?



Zoba iimilo ubonise oku kulandelayo:

$$\boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} = \boxed{}$$



$$\boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} = \boxed{}$$

$$\boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} = \boxed{}$$

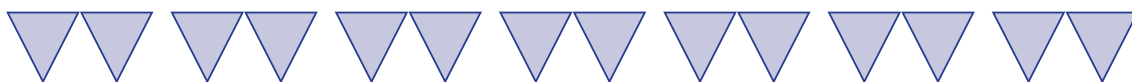
$$\boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} = \boxed{}$$



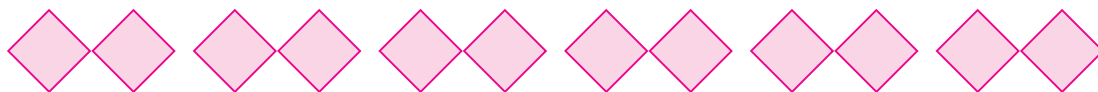
Bhala izivakalisi - manani.



$$2 + 2 + 2 + 2 + 2 = \square$$

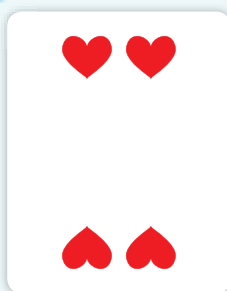


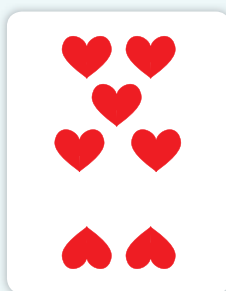


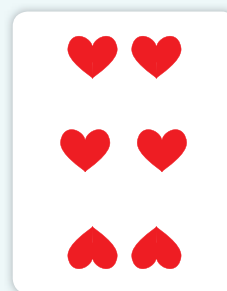




Biyela uze ubale inani lamaqela ezibini onokuwenza kwikhadi ngalinye.









Gqibezela le patheni yamanani oza kuwasebenzisa ekwenzeni amaqela ezibini.

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



Teacher:
Sign:
Date:



II 12 13 14 15 16 17 18 19 20





Izibini ukuya kutsho kwi-15



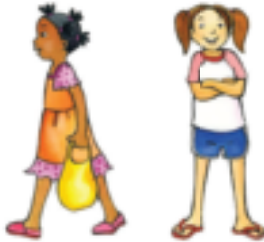
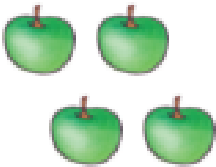
Fakela amanani ashiyiweyo.

1		3		5		7		9	
11		13		15					



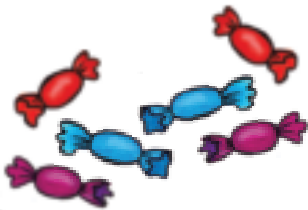
Yenza amaqela ezibini.

Biyela ngesangqa iqela ngalinye lezibini.



Mangaphi amaqela ama-apile akhoyo?

Uza kufumana ama-apile amangaphi umntwana ngamnye?



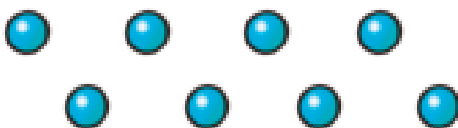
Mangaphi amaqela eelelese akhoyo?

Uza kufumana iilelese ezingaphi umntwana ngamnye?



Mangaphi amaqela amapetyu akhoyo?

Uza kufumana amapetyu amangaphi umntwana ngamnye?



Mangaphi amaqela amapetyu akhoyo?

Uza kufumana amapetyu amangaphi umntwana ngamnye?



Fakela amanani
ashihiweyo.

1	2	3	4		6	7	
2	4		8	10		14	16
0	3	6		12		18	21



Bhala isivakalisi - manani usebenzise izibini.

$2 + 2 + 2 + 2 + 2 + 2 + 2 =$ 14



Bala:

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



Biyela amaqela ezibini
kumgca ngamnye.



Teacher:
Sign:
Date:





Iipatheni zamanani: izi - 2 ukuya kuma - 50



Sika amanani ashiyiweyo kuMsiko 2 uze uwancamathelise kumgca - manani.
Gqibezela nezazinge.



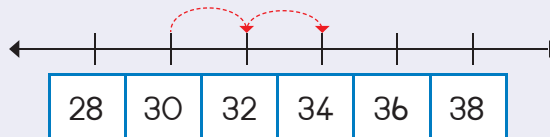
Gqibezela ipatheni ngokufakela imibala kumanani achanekileyo.

31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

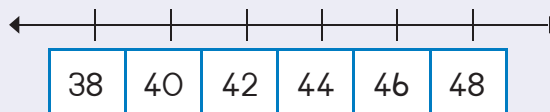


Zoba izazinge ubonise oku kulandelayo:

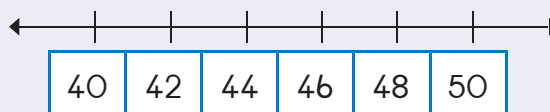
30, 32, 34



40, 42, 44



46, 48, 50





Sika amanani kuMsiko 2 uze uwancamathelise kumgca-manani.
Gqibezela izazinge.



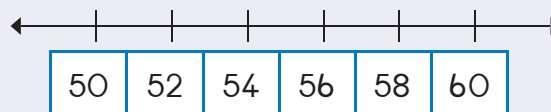
Gqibezela ipatheni ngokufakela
imibala kumanani achanekileyo.

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

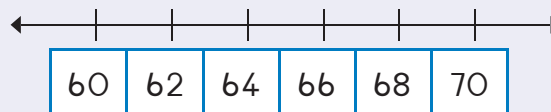


Zoba izazinge ubonise oku
kulanelayo:

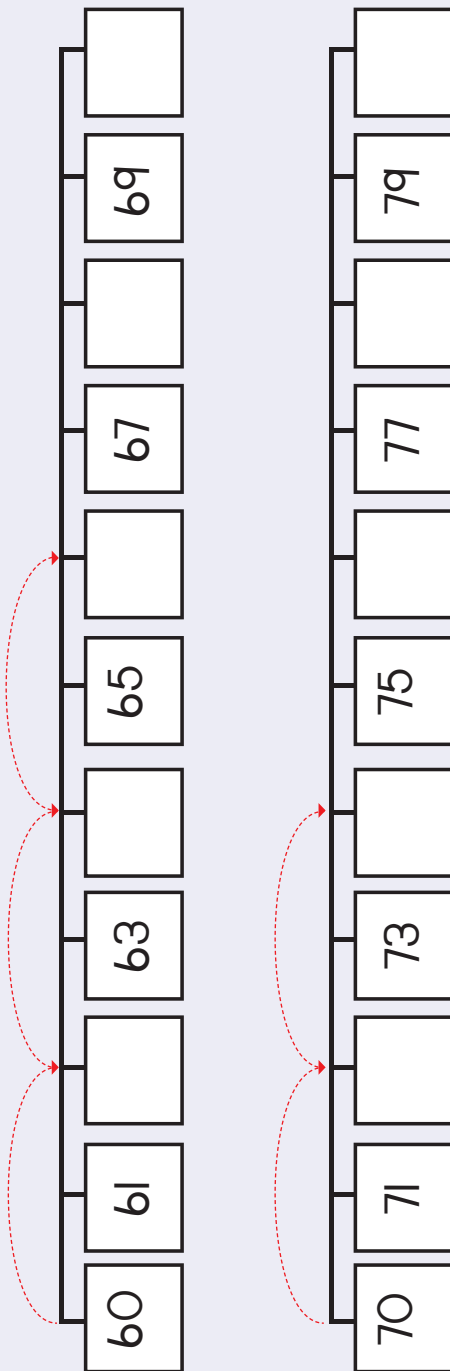
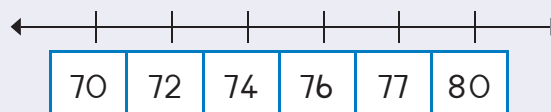
54, 56, 58



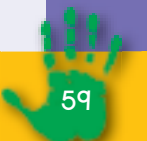
64, 66, 68



72, 74, 76



Teacher: _____
Sign: _____
Date: _____



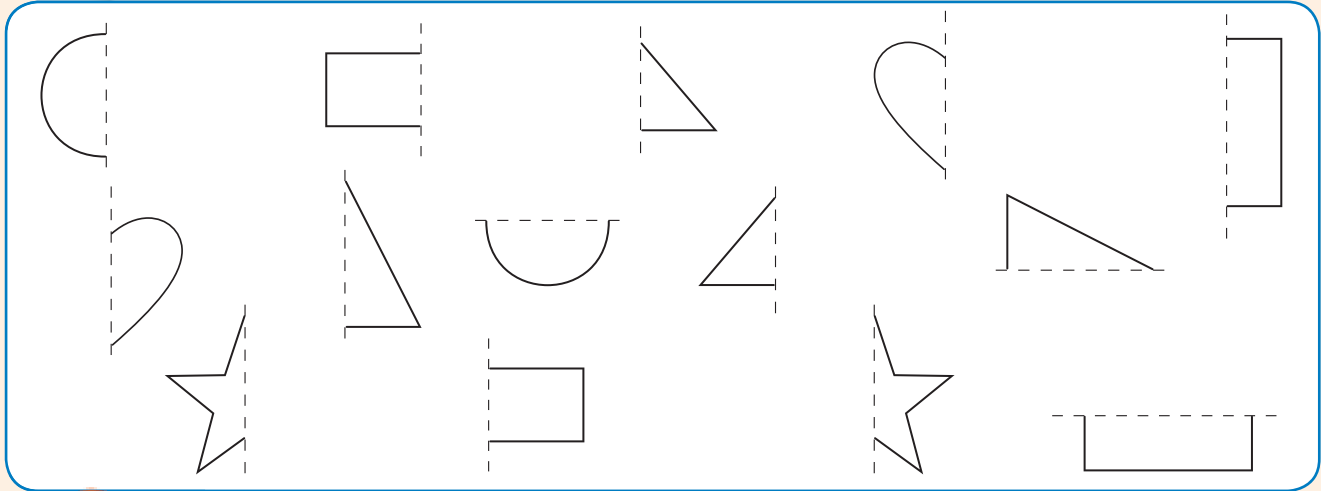


Umatwa - totse

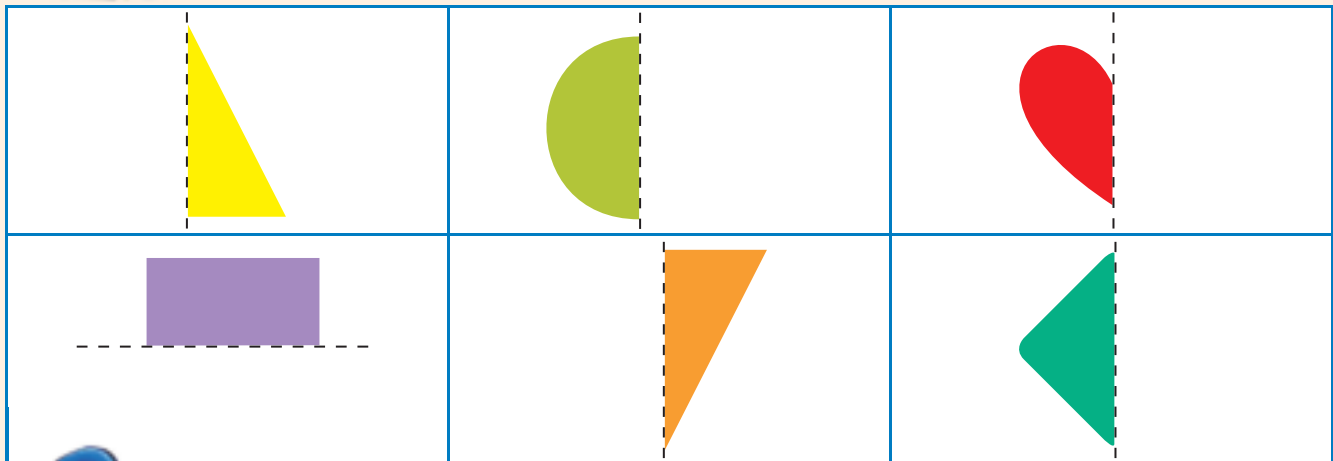
Ikota 3



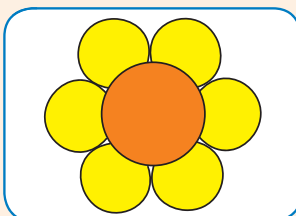
Faka umbala kwiinxalenye zeemilo eziza kwenza imilo enye.



Zoba esinye isiqingatha uze usifakele umbala.

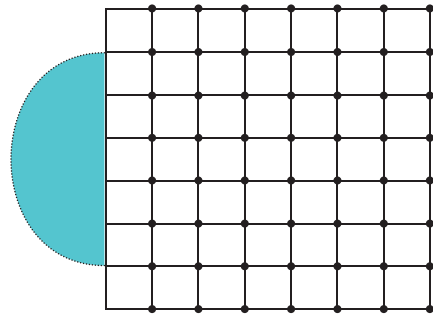
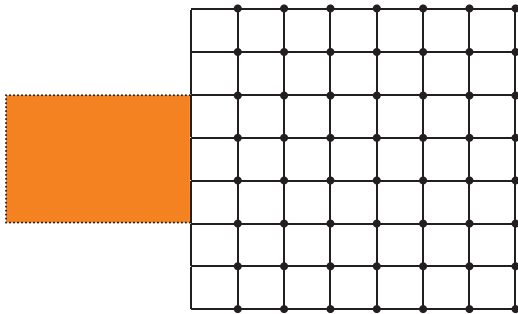
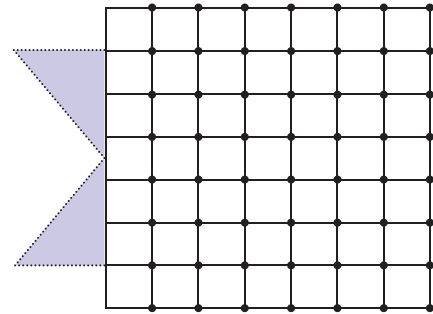
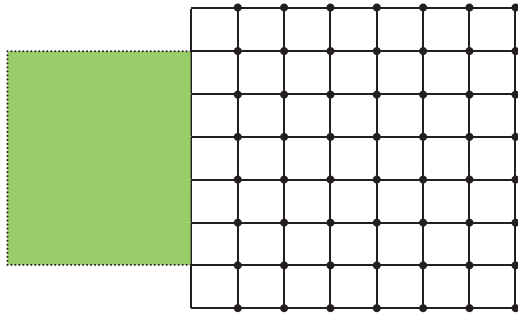
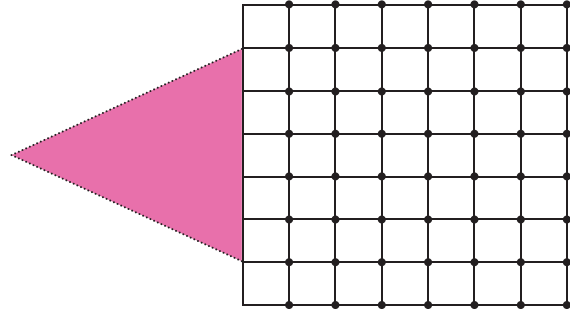
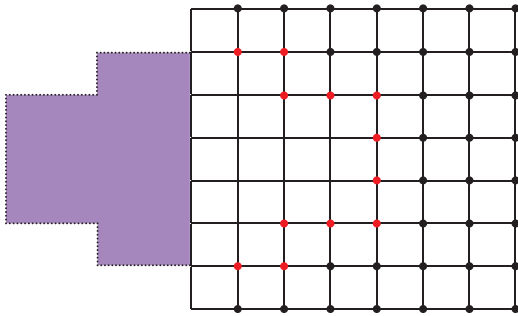


Krwela umgca wahlule le mifanekiso kubini ukuze amacala omabini afane twatse.

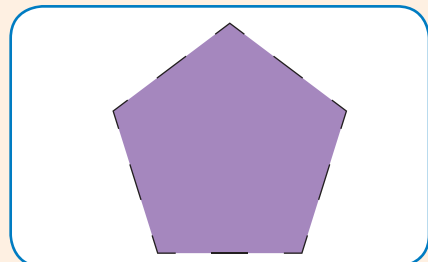
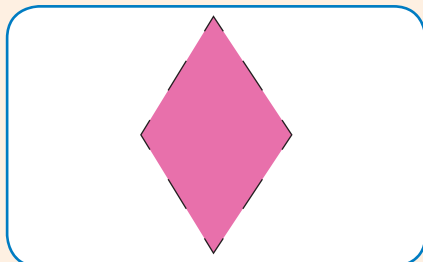
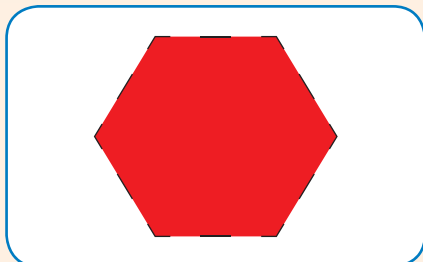




Zoba elinye icala lemilo usebenzise ibhodi yegridi ikuncede.



Krwela umgca wahlule ezi milo zibe ngamacala amabini afana twatse.



Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20





Amanani neXabiso lendawo

Ikota 3



Fakela amanani ashijiyweyo.

10	11				15
9	10				



Bhala impendulo.

6	7			10	11				15
15	14				10				6



Bhala impendulo.

$10 + 1 =$	11	$15 - 10 =$	
$10 + 2 =$		$14 - 10 =$	
$10 + 5 =$		$12 - 10 =$	
$10 + 3 =$		$11 - 10 =$	





Bala isibalo ngasinye semibala uze ufakele umbala kwisiqwenga esichanekileyo sephazile esinenani elichanekileyo. Sikwenzele eyokuqala.



10 + 1 obomvu



10 + 3 opinki



10 + 5 ozuba



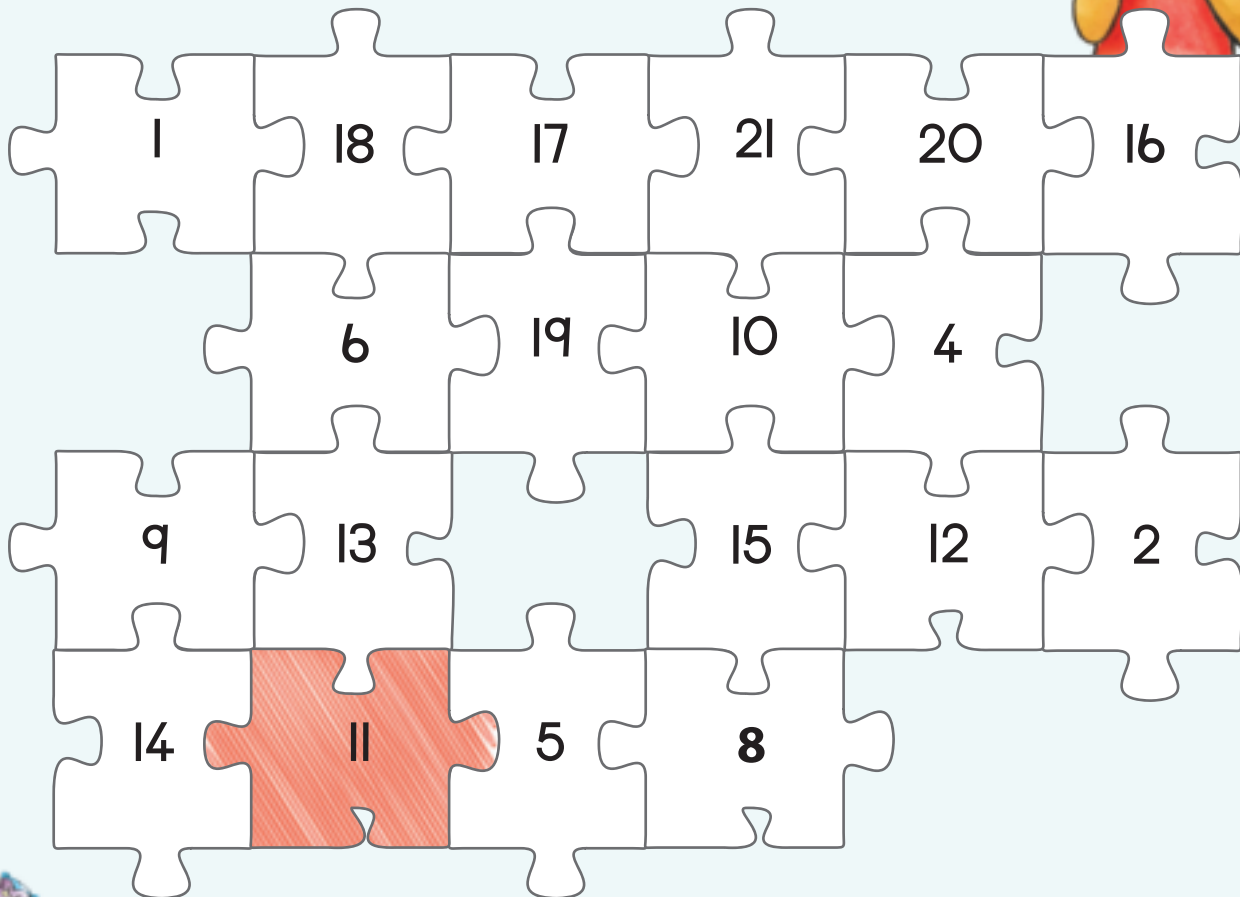
10 + 4 omthubi



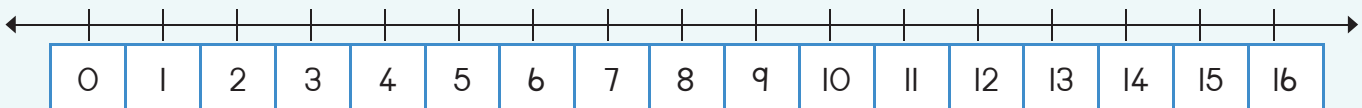
10 + 0 oluhlaza



10 + 2 o-orenji



Bonisa ishumi nesine kumgca - manani:

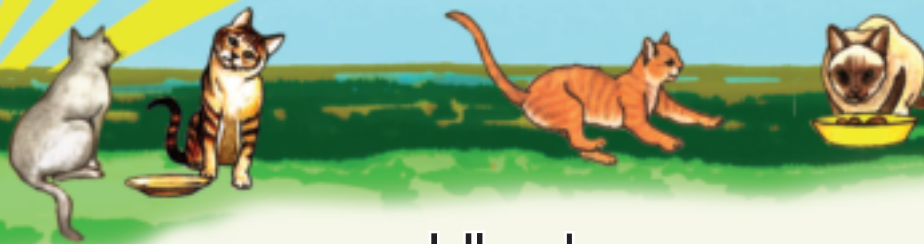


11 12 13 14 15 16 17 18 19 20



Teacher:
Sign:
Date:





Ubude

Ikota 3



Linganisa ubude nobubanzi bedesika okanye betafile ngobude besandla sakho. Zingaphi izandla zakho ezenza ubude betafile?

Zingaphi izandla zakho ezenza ububanzi?

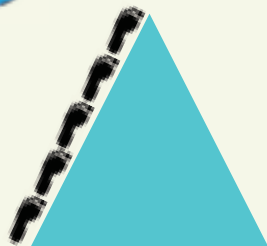


Ubude buzizandla ezi_____.

Ububanzi buzizandla ezi_____.



Zingaphi iinyawo emacaleni?

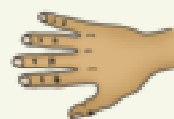
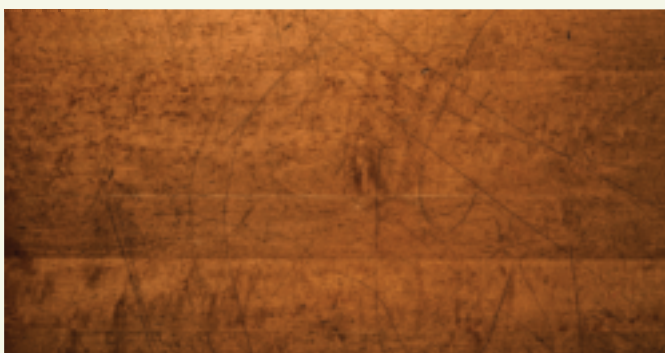








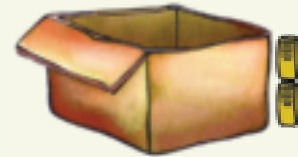
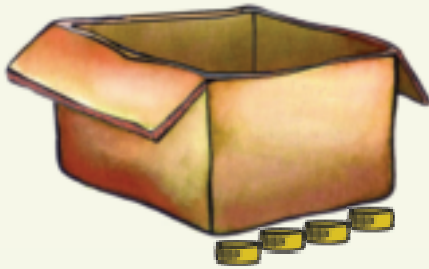
Bhala impendulo.



Ubude buzizandla ezi_____.



Buyintoni ubude nobubanzi bale bhokisi?

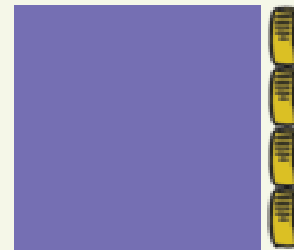
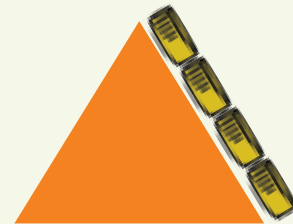


Ubude bungangeziciko zeebhokile ezi_____.

Ububanzi bungangeziciko zeebhokile ezi_____.



Ingaba icala lide kangangeziciko zeebhokile ezingaphi?



Teacher:
Sign:
Date:





Inani 16

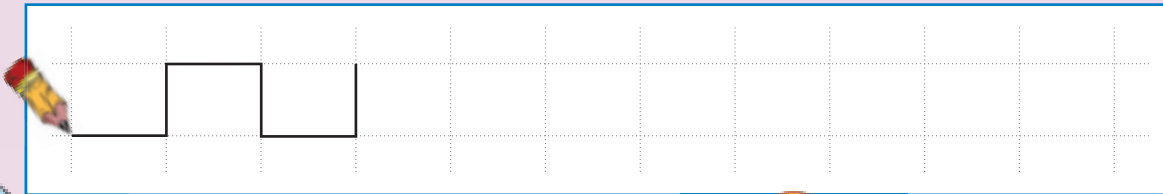
Ikota 4

Uhlaziyo:

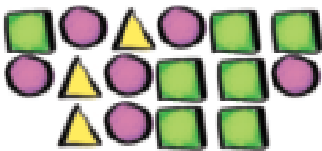
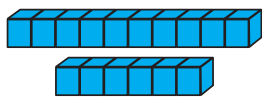
Ziqhelise ukubhala inani ngamagama uze ugqibezele ipatheni.

7

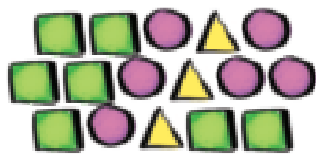
zisixhenxe



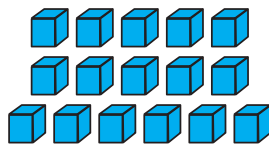
Tshatisa imifanekiso.

10
6

16



16

10
6

Khuphela amanani.

16 16 16 16

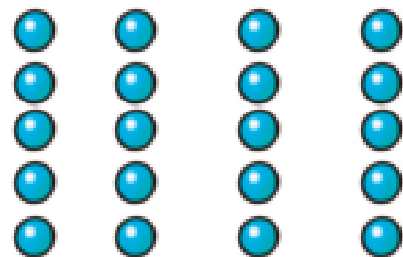
ishumi elinesithandathu

16 16 16 16

ishumi elinesithandathu



Biyela amaso ali-16 kuphela.



Mangaphi ashiyekileyo? _____



0

1

2

3

4

5

6

7

8

9

10



Zoba izinto ezili-16.

Khawuzizobe ngenye indlela ke ngoku.



Fakela amanani ashiyiweyo.

2	3	4
19		21
17		19



Gqibezela itheyibhile. Umqolo ngamnye unomfanekiso, inani kunye negama lelo nani.

	16	
		ishumi elinesithandathu



Leliphi inani elinganeno ngononye kune-16? _____

Leliphi inani elikhulu ngononye kune-16? _____



Leliphi inani elinganeno ngononye kuneshumi elinesithandathu?

Leliphi inani elinganeno ngesibini kuneshumi elinesithandathu?

Leliphi inani elingaphezulu ngononye kuneshumi elinesithandathu?

Leliphi inani elingaphezulu ngesibini kuneshumi elinesithandathu?



Fakela amanani ashiyiweyo.

10	9		7	6		4	3		1



Teacher: _____

Sign: _____

Date: _____



11 12 13 14 15 16 17 18 19 20





Inani 17

Ikota 4

Uhlaziyo:

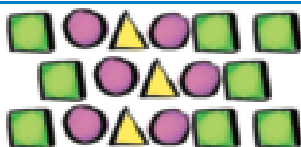
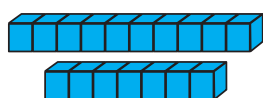
Ziqhelise ukubhala inani ngamagama uze ugqibezele ipatheni.

8

sibhozo



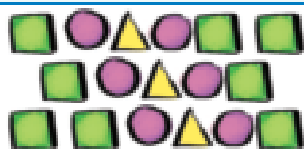
Tshatisa imifanekiso.



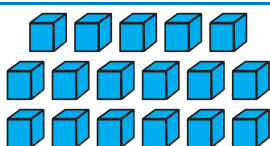
10

7

17



17



10

7



Khuphela amanani.

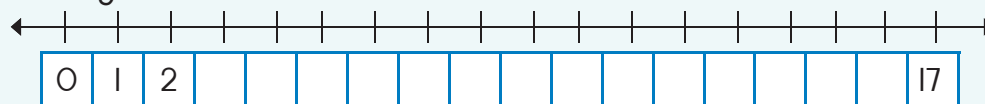
17 17 17 17

ishumi
elinesixhenxe

17 17 17 17

ishumi
elinesixhenxe

Gqibezela umgca - manani.





Zoba izinto ezili-17.

Khawuzizobe ngenye indlela ke ngoku.



Leliphi inani elilandelayo.

16	17	
24	25	
17	18	



Gqibezela itheyibhile. Umqolo ngamnye unomfanekiso, inani negama lelo nani.

	17	
		ishumi elinesixhenxe



Leliphi inani elinganeno ngononye kuneshumi elinesixhenxe?	
Leliphi inani elinganeno ngesibini kuneshumi elinesixhenxe?	
Leliphi inani elingaphezulu ngononye kuneshumi elinesixhenxe?	
Leliphi inani elingaphezulu ngesibini kuneshumi elinesixhenxe?	



Fakela amanani angekhoyo.

La manani abizwa ngokuba yiminqakathi.

	2		4		6		8		10
	12		14		16		18		20

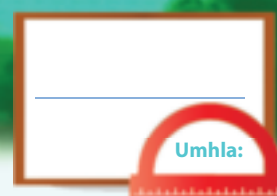


Teacher: Sign: Date:



11 12 13 14 15 16 17 18 19 20

qq



Inani 18

Uhlaziyo:

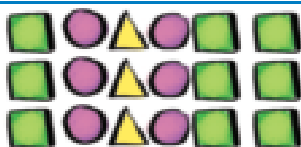
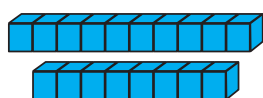
Ziqhelise ukubhala inani ngamagama uze ugqibezele ipatheni.

q

lithoba



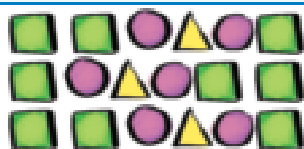
Tshatisa imifanekiso.



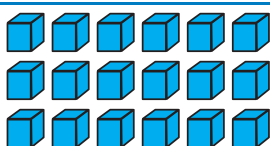
10

8

18



18



10

8



Khuphela amanani.

18 18 18 18

ishumi elinesibhozo

18 18 18 18

ishumi elinesibhozo



Gqibezela umgca-manani.



0

1

2

3

4

5

6

7

8

9

10



Zoba izinto ezili-18.

Khawuzizobe ngenye indlela ke ngoku.



Leliphi inani elilandelayo?

8	9	
33	34	
0	1	



Gqibezela itheyibhile. Umqolo ngamnye unomfanekiso, inani negama lelo nani.

	18	
		ishumi elinesibhozo



Leliphi inani elinganeno ngononye kune-18?

Leliphi inani elinganeno ngesibini kune-18?

Leliphi inani elingaphezulu ngononye kune-18?

Leliphi inani elingaphezulu ngesibini kune-18?



Fakela amanani ashiyiweyo.

1	2		4	5	6	7		9	10
11		13	14	15		17	18		20



Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



100



Umhla:

Inani 19

Ikota 4

Uhlaziyo:

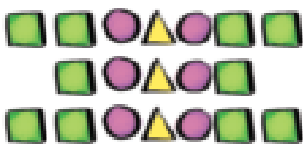
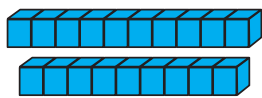
Ziqhelise ukubhala inani ngamagama uze ugqibezele ipatheni.

10

ishumi



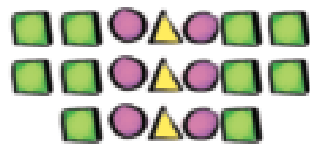
Tshatisa imifanekiso.



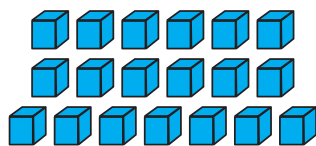
10

9

19



19



10

9



Khuphela amanani.

19 19 19 19

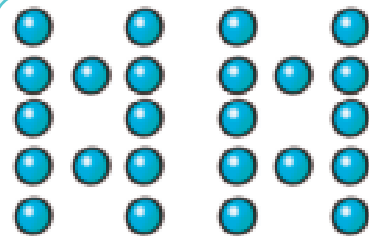
ishumi elinethoba

19 19 19 19

ishumi elinethoba



Biyela amaso ali-19 kuphela.



Mangaphi ashiyekileyo? _____



Zoba izinto ezili-19.

Khawuzobe ngenye indlela ke ngoku.



Leliphi inani eliphakathi?

14		16
35		37
8		10



Gqibezela itheyibhile.

Umqolo ngamnye unomfanekiso, inani negama lelo nani.

 	19	
 		
	 	ishumi elinethoba
		 



Leliphi inani elinganeno ngononye kune-19?

Leliphi inani elinganeno ngesibini kune-19?

Leliphi inani elingaphezulu ngononye kune-19?

Leliphi inani elingaphezulu ngesibini kune-19?



Fakela amanani ashiyiweyo.

I		3		5		7		9	
II		13		15		17		19	

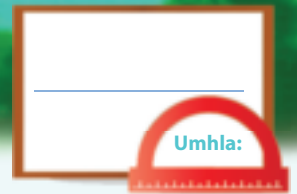
La manani abizwa ngokuba ngoonombini.

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20

IOI



Inani 20

Ikota 4



Tshatisa imifanekiso.

10 10
20

20
10 10



Khuphela amanani.

20 20 20 20

amashumi amabini

20 20 20 20

amashumi amabini



Biyela amaso angama-20 kuphela.

Mangaphi ashiyekileyo? _____

Mangaphi ashiyekileyo? _____



Gqibezela itheyibhile. Umqolo ngamnye unomfanekiso, inani negama lelo nani.

	20	amashumi amabini
		amashumi amabini
20		



Leliphi inani elingaphantsi ngononye kunama-20? _____

Leliphi inani elingaphezulu ngononye kunama-20? _____



0 1 2 3 4 5 6 7 8 9 10



Dibanisa inani negama.

0	☒
1	☐
2	☐
3	☐
4	☐
5	☐
6	☐
7	☐
8	☐
9	☐
10	☐
11	☐
12	☐
13	☐
14	☐

☐	zine
☐	zisixhenxe
☐	zilithoba
☐	zintathu
☐	ishumi elinanye
☐	ishumi elinesibini
☐	inye
☐	zibini
☐	zisibhozo
☒	iqanda
☐	zintlanu
☐	zintandathu
☐	ishumi elinesithathu
☐	zilishumi
☐	ishumi elinesine



Fakela amanani ashiyiweyo.

Phambi		Emva
16	17	
	12	
	14	
	9	10
	6	

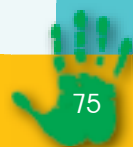


Sebenzisa amagama athi ngaphantsi okanye ngaphezulu ukuze ugqibezele oku:

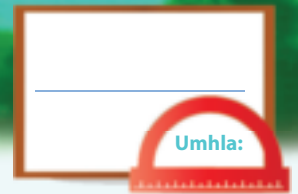
Ama-34 anga_____ kunama-38
Ama-79 anga_____ kunama-65



Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



Ukudibanisa

Ikota 4



Biyela inani elikhulu kwibloko nganye.

3	5	15	11	20	8
8	7	12	6	17	18



Dibanisa oku kulandelayo.
Qala ngenani elikhulu.

$1 + 1 + 5 =$	$5 + 1 + 1 =$
$6 + 2 + 10 =$	
$3 + 4 + 2 =$	
$2 + 6 + 3 =$	
$1 + 10 + 2 =$	



Dibanisa iibloko.

 $10 + 2 + 3 = 15$ $10 + 5 = 15$	 	
--	----------	----------



Bhala isivakalisi -manani.

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





Bhala isivakalisi -manani kwisibalo ngasinye:



 $8 + 4 = 12$ $10 + 2 = 12$	 	



Fakela amanani angekhoyo.

	+	14	=	17
9	+		=	20
12	+	8	=	
15	+		=	20
	+	6	=	13
14	+	3	=	0

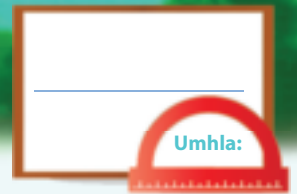


Teacher: _____
Sign: _____
Date: _____



11 12 13 14 15 16 17 18 19 20



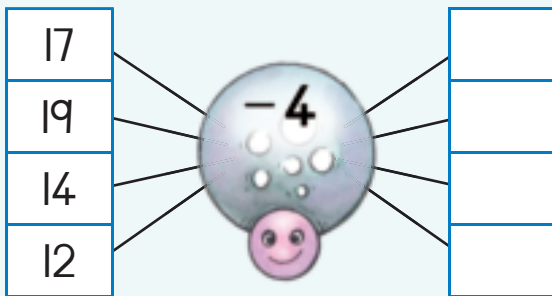


Ukuthabatha

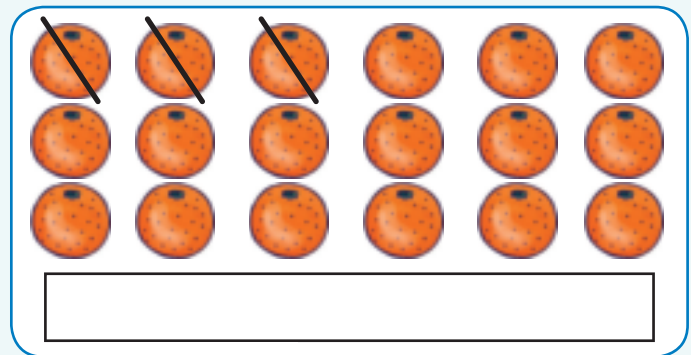
Ikota 4



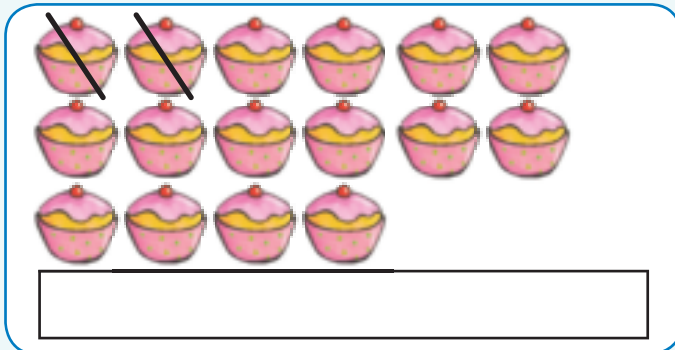
Bala.



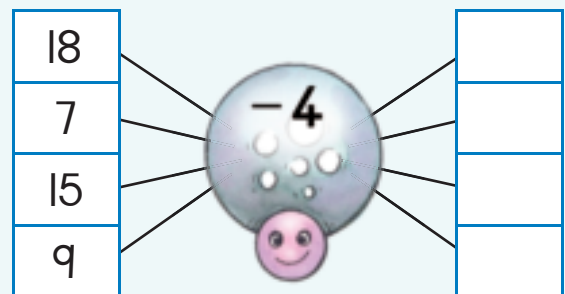
Bhala isivakalisi - manani.



Bhala isivakalisi - manani.



Bala.



Gqibezela izibalo usebenzise imifanekiso.



$$16 - \square = 11$$

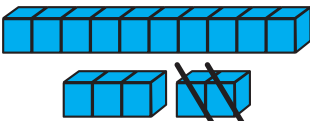
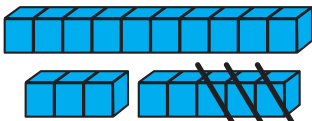
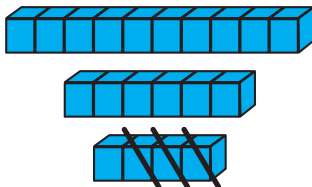


$$10 + \square = \square$$





Thabatha iibloko.

 $(10 + 3) - 2 =$ $13 - 2 =$	 	
---	--	---



Gqibezela:

$11 + 7 = \square$ $11 + 4 + \square = \square$	$11 + 7 = \square$ $11 + 5 + \square = \square$
$19 - 7 = \square$ $19 - (5 + \square) = \square$	$17 - 9 = \square$ $17 - (7 + \square) = \square$



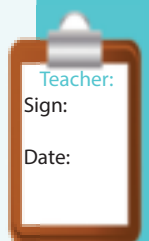
Gqibezela:

Ezi-5 eziphindwe kabini zenza	Ezi-3 eziphindwe kabini zenza	Ezi-4 eziphindwe kabini zenza
Ezi-7 eziphindwe kabini zenza	Ezi-2 eziphindwe kabini zenza	Ezi-8 eziphindwe kabini zenza
i-10 eliphindwe kabini lenza	Ezili-9 eziphindwe kabini zenza	u-1 ophindwe kabini wenza

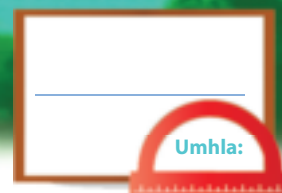


Phendula:

$9 + 9 - 1 =$		okanye	Phinda kabini $9 - 1 =$	
		okanye	Phinda kabini $5 - 1 =$	
$4 + 4 - 1 =$		okanye		



11 12 13 14 15 16 17 18 19 20



Ukudibanisa nokuthabatha

Ikota 4



Bala ukuba zingaphi iikati ezigcakamele ilanga.
Ezinye zilele emva kodonga.
Bala ukuba zingaphi ezisemva kodonga uze ubhale impendulo.

$$3 + \square = 8$$

$$4 + \square = \square$$

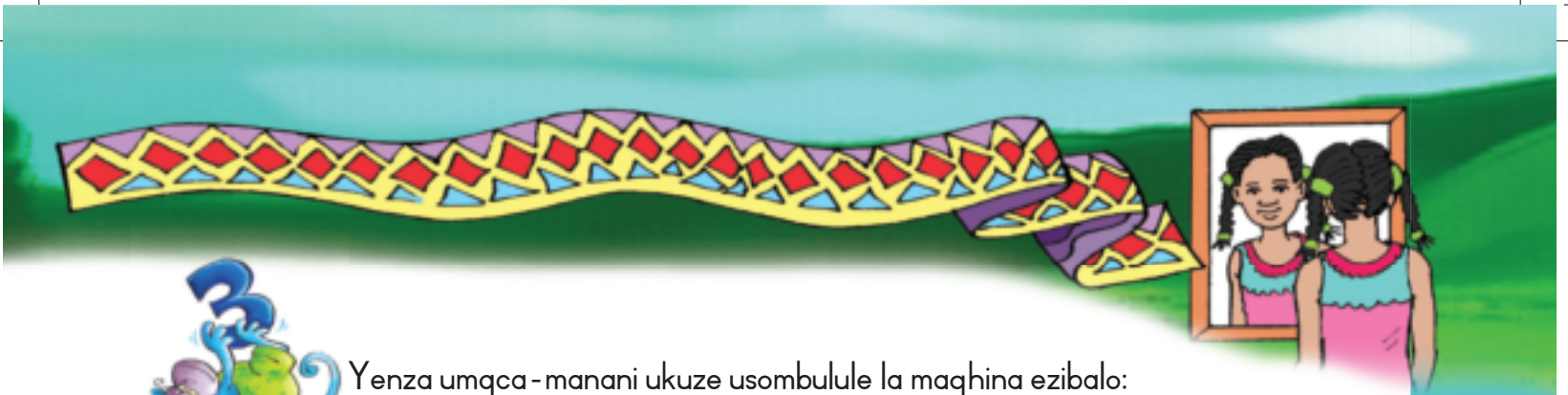

Sombulula la maqhina ezibalo.
Ungazoba umfanekiso ukuncede.



ULerato ebenee -orenji ezi -4. UPeter uye wampha ezinye ezili -13.
Zingaphi ii-oreni anazo ngoku?

UMandla uneekhrayoni zepenisile ezi -5. U-Anne yena uneekhrayoni ezisi -8.
Ngubani oneekhrayoni zepenisile ezimbalwa?

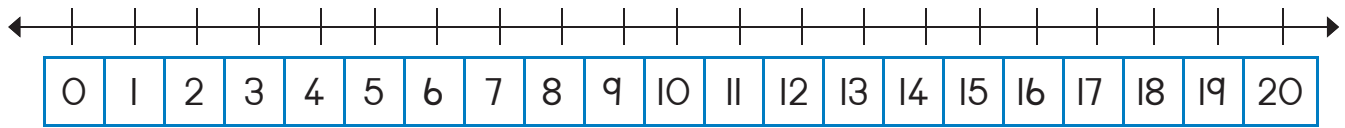




Yenza umgca - manani ukuze usombulule la maqhina ezibalo:

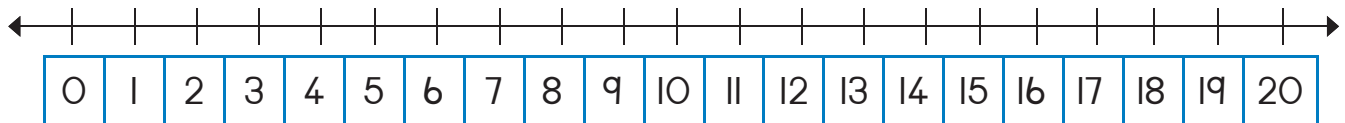
UThandi unamapetyu aluhlaza ama-6 nazuba ali-9.

Mangaphi amapetyu anawo ewonke?



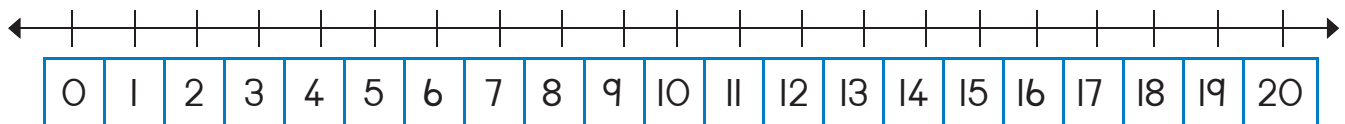
ULerato unamapetyu ali-16. Asibhozo aluhlaza aze amanye abe zuba.

Mangaphi amapetyu azuba anawo uLerato?



UThandi uneebhanana ezili-19. UThemba yena uneebhanana ezili-10.

Zininzi kangakanani iibhanana zikaThandi kunezikaThemba?



Ngawaphi amanani aphakathi kwama-25 nama-30?

Biyela inani elikhulu ngo-1 kunama-76.



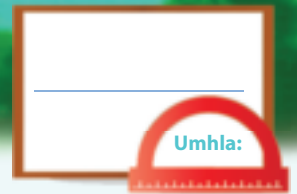
Biyela inani elikhulu ngesi-2 kunama-76.



Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



Inani lesingaphi



Ngubani ophume kwindawo yokuqala elugqatsweni?
Bhala indawo aphume kuyo ngezantsi komntu lowo.

Sipho



Lerato



2

John



3

Peter

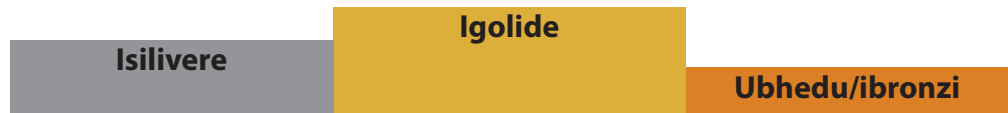


Ann





Bazobe
beseqongeni.



Ngubani ofumene imbasa yegolide? _____ Ngubani ofumene imbasa yesilivere? _____



Zoba umtya wamaso
ngolu hlobo:

Iliso lokuqala lizuba.
Elesibini iliso libomvu.
Elesithathu liluhlaza.
Elesine limthubi.
Elesihlanu lizuba.
Elesithandathu libomvu.
Elesixhenxe liluhlaza.
Elesibhozo limthubi.
Elethoba lizuba.
Eleshumi libomvu.

Umtya wam wamaso.





Jonga ukulandelelana kweemilo.
Khuphela iimilo kwiindawo ezichanekileyo kwithejibhile.
Sikwenzele eyokuqala.



Yeyiphi imilo:

yesine		yesixhenxe	
yesihlanu		yethoba	
yesibini		yokugqibela	
yesithathu		yesithandathu	



Yenza oku:



Faka umbala obomvu kwisangqa sokuqala.



Faka umbala omthubi kwisangqa sesihlanu.



Faka umbala ozuba kwisangqa sesibhozo.



Zoba umgca - manani oqala kwi -10 uye kuma -20.
Biyela inani lesithathu nelesibhozo.



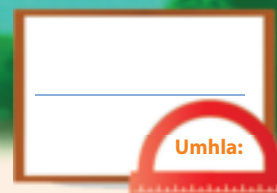
Teacher:

Sign:

Date:



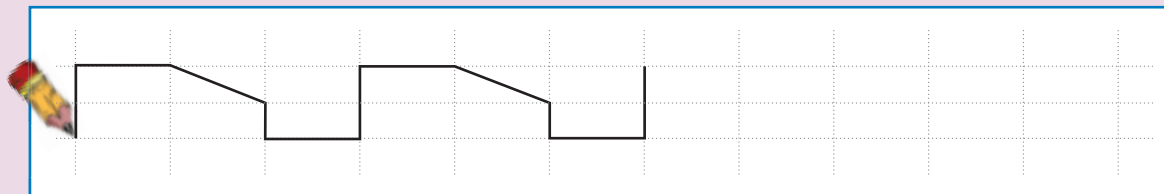
11 12 13 14 15 16 17 18 19 20



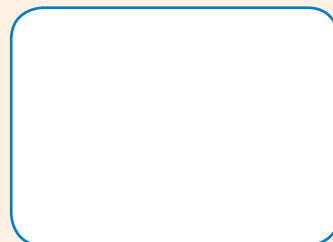
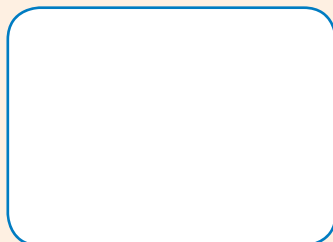
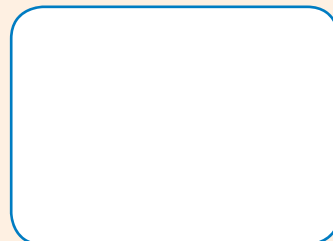
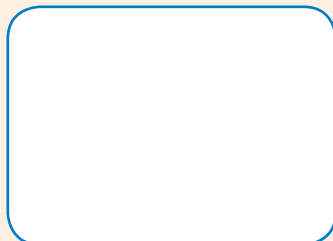
Izinto neemilo

Uhlaziyo:

Uhlaziyo: Gqibezela ipatheni.



Funa imifanekiso emibini yebhola kunye neminye emibini yebhokisi kwiphephandaba okanye kwimagazini uze uyincamathelise apha ngezantsi.



Biyela ngesangqa esizuba zonke izinto ezityibilikayo.
Biyela ngesikwere esibomvu zonke izinto eziqengqelekayo.





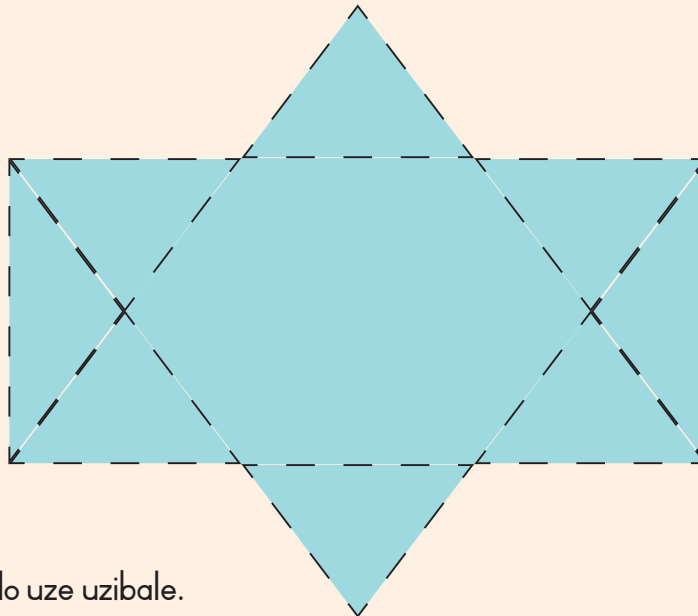
Khuphela igama uze uzobe loo nto liyimeleyo.

ibhokisi

ibhola



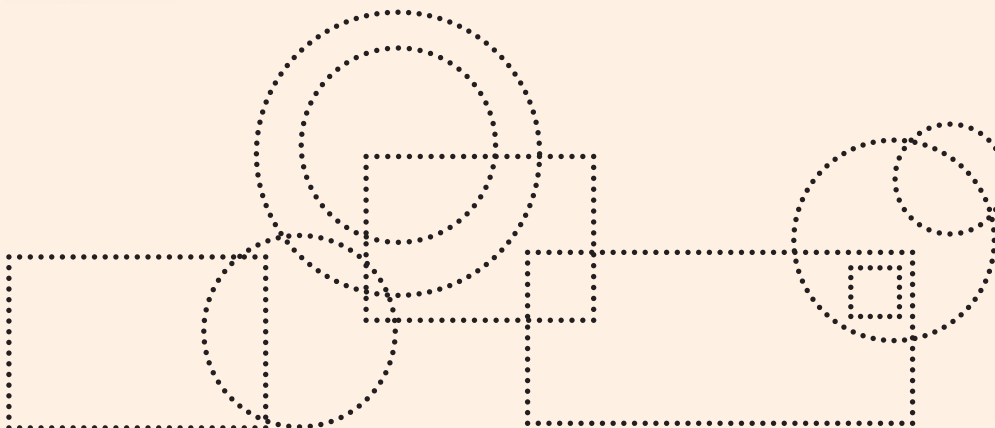
Bala bonke oonxantathu uze ubhale inani labo.



Impendulo:



Khuphela iimilo uze uzibale.



Izangqa

Izikwere

Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20



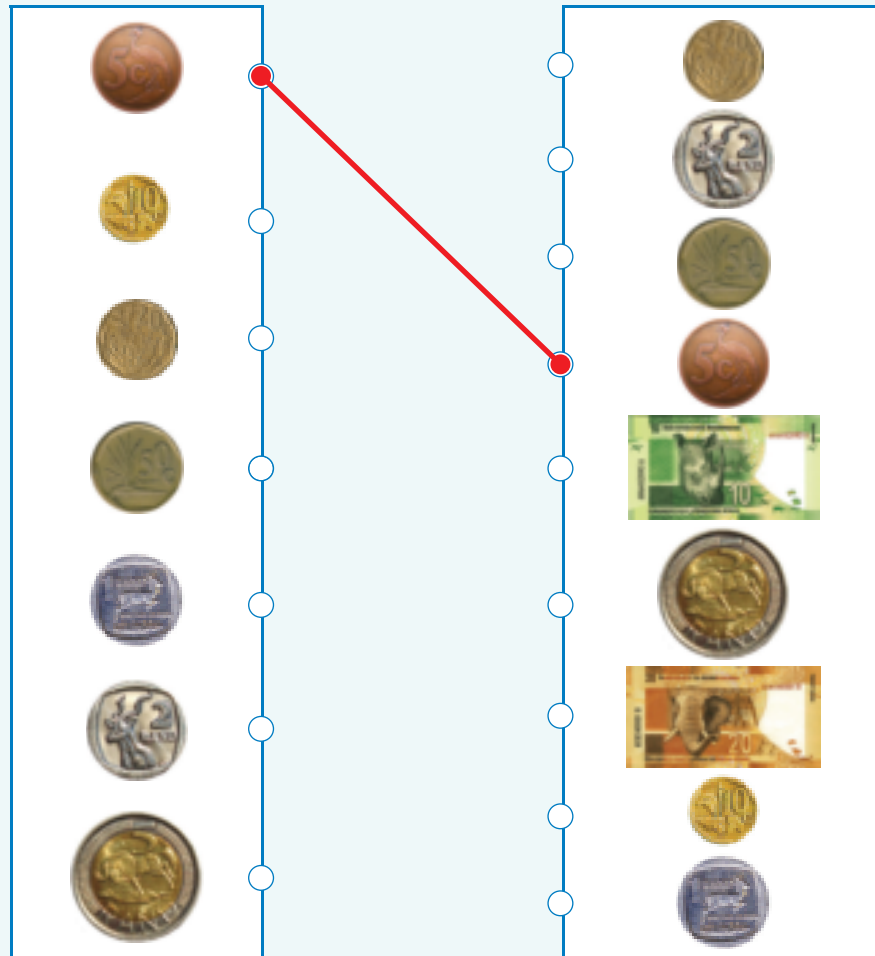


Imali

Ikota 4



Zeziphi iinkozo
zemali okwaziyo
ukuzitshatisa?



Kwibloko nganye phawula imali eziinkozo nengamaphepha eza kukunika ezi zixa.

R10		☐ ☐ ☐ ☐ ☐ ☐	☐ ☐ ☐ ☐ ☐
R20		☐ ☐ ☐ ☐ ☐ ☐	☐ ☐ ☐ ☐ ☐ ☐
R15		☐ ☐ ☐ ☐ ☐ ☐	☐ ☐ ☐ ☐ ☐



Thabatha ii -R2.



$$R12 - R2 = R10$$



Thabatha ii -R5.



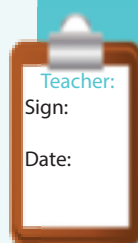
$$R15 - R5 = R10$$



Zingaphi iindibaniso ezahlukileyo onokuzifumana kuma -R20?
Sikwenzele eyokuqala.



Biyela imali kumgca
ngamnye ocinga ukuba
unokuthenga kakhulu ngayo.



Teacher:

Sign:

Date:

11

12

13

14

15

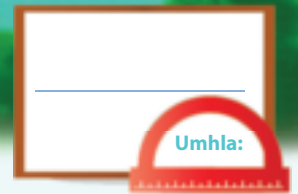
16

17

18

19

20

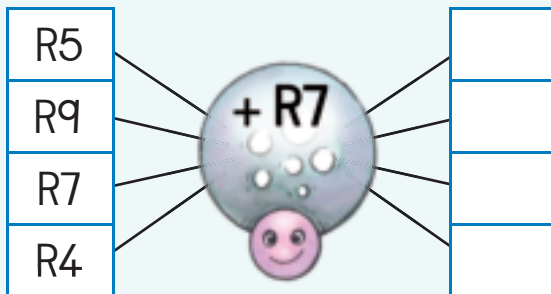


Okunye ngemali

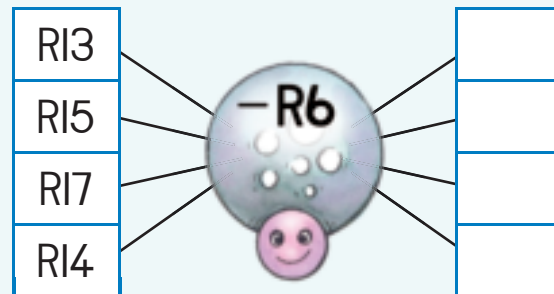
Ikota 4



Bala.



Bala.



Fakela impendulo.

$R10 + R1 =$	
$R10 + R2 =$	
$R10 + R3 =$	
$R10 + R4 =$	
$R10 + R5 =$	



Yeyiphi engaphezulu?
Biyela impendulo yakho.

5c okanye R5
20c okanye R20
R1 okanye 50c
R2 okanye R1
20c okanye 50c



Dibanisa amanani uxwese uphinde uwadibanise uhlise uze ubhale impendulo yakho.

R2	R4	R9	=
R7	R3	R5	=
R6	R8	R1	=
=	=	=	=





Jonga umzekelo uze ugqibezele ezinye.

RI7	=	RIO	+	R7
RI6	=		+	
RI5	=		+	
RI4	=		+	
RI3	=		+	
RI2	=		+	



UJames uthenge isonka ngee-R8. Uhlawule nge-RIO eliphepha. Yimalini itshintshi ayifumeneyo?

Uthini umbuzo?

Bhala amanani.

Bhala isibalo uze ubale.



UMama kaBusi uthenge umnqwazi ngee-RI7. Uhlawule ngee-RIO zamaphepha ezimbini. Yimalini itshintshi ayifumeneyo?

Uthini umbuzo?

Bhala amanani.

Bhala isibalo uze ubale.



Umhla wokuzalwa kukaJudy ubungeCawe. Uye waphiwa ii-R5 ngudadewabo, umnakwabo yena wampha ii-R2 waze umza wakhe wampha ii-RIO. Yimalini ayiphiweyo iyonke?

Uthini umbuzo?

Bhala amanani.

Bhala isibalo uze ubale.

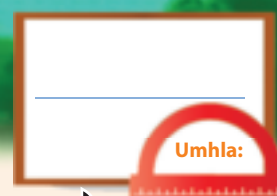


Teacher:

Sign:

Date:



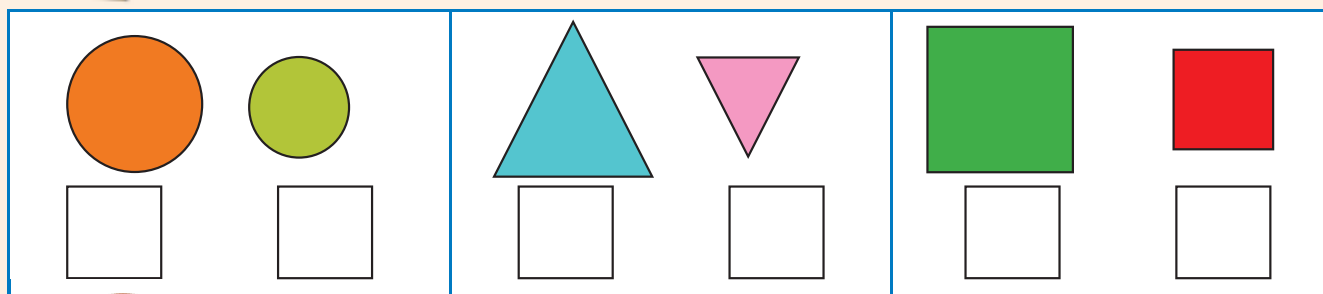


Iimilo ezinemilinganiselo emi - 2 (2D)

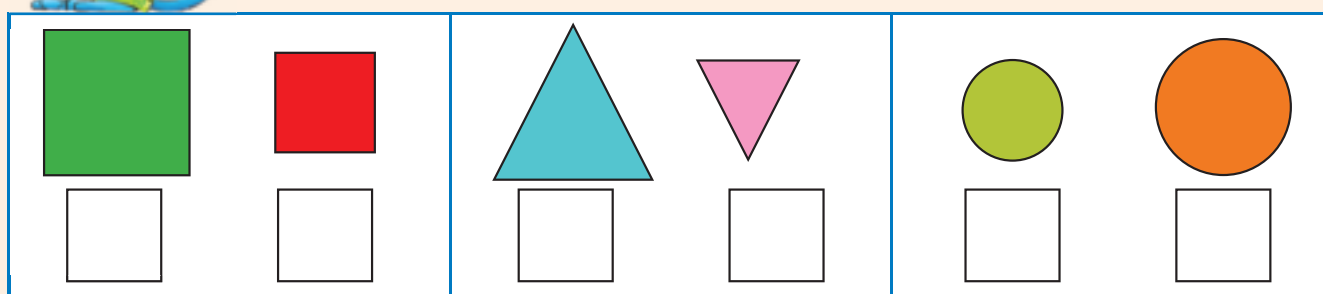
Ikota 4



Phawula eyona milo incinci kwibloko nganye.

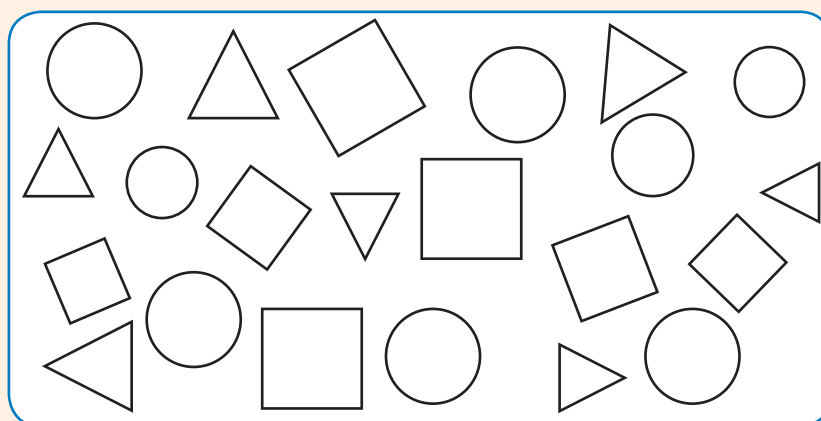


Phawula eyona milo inkulu kwibloko nganye.

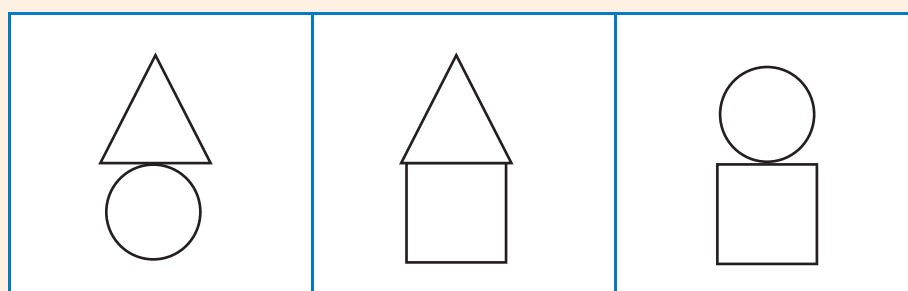


Faka umbala:

- ozuba kwizikwere
- obomvu koonxantathu
- oluhlaza kwizangqa

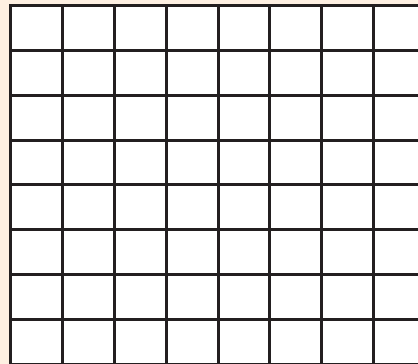
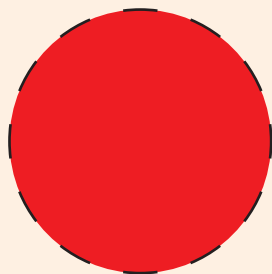
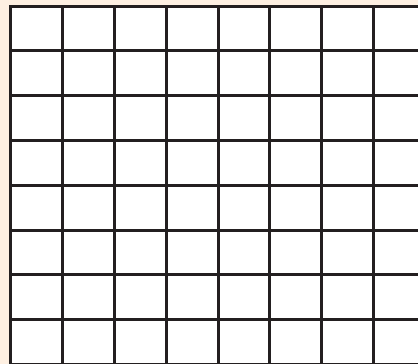
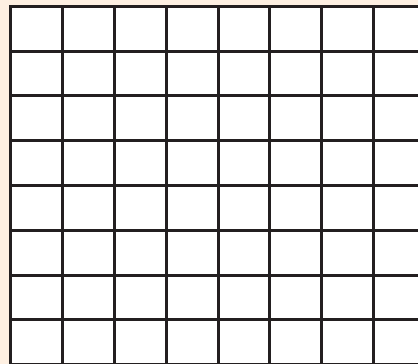
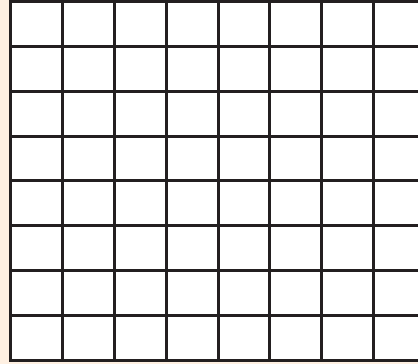
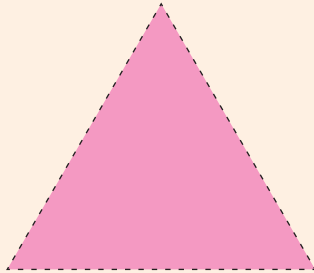


Yenza umfanekiso ngeemilo.
Umfanekiso ngamnye
siwuqale ngeemilo ezimbini.



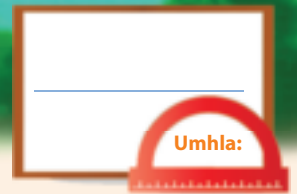


Zoba iimilo kwigridi.
Sebenzisa izikwere ezincinci zikuncede.



Teacher: _____
Sign: _____
Date: _____





Iimilo ezi - 2D – amacala athe tye nangqukuva

Ikota 4



Khuphela ezi milo zilandelayo.

 unxantathu	 isangqa	 isikwere
 isangqa	 unxantathu	 isikwere



Phawula ubonise ukuba imilo inamacala athe tye okanye angqukuva.

 amacala angqukuva ☐ amacala athe tye ☐	 amacala angqukuva ☐ amacala athe tye ☐	 amacala angqukuva ☐ amacala athe tye ☐
---	---	---



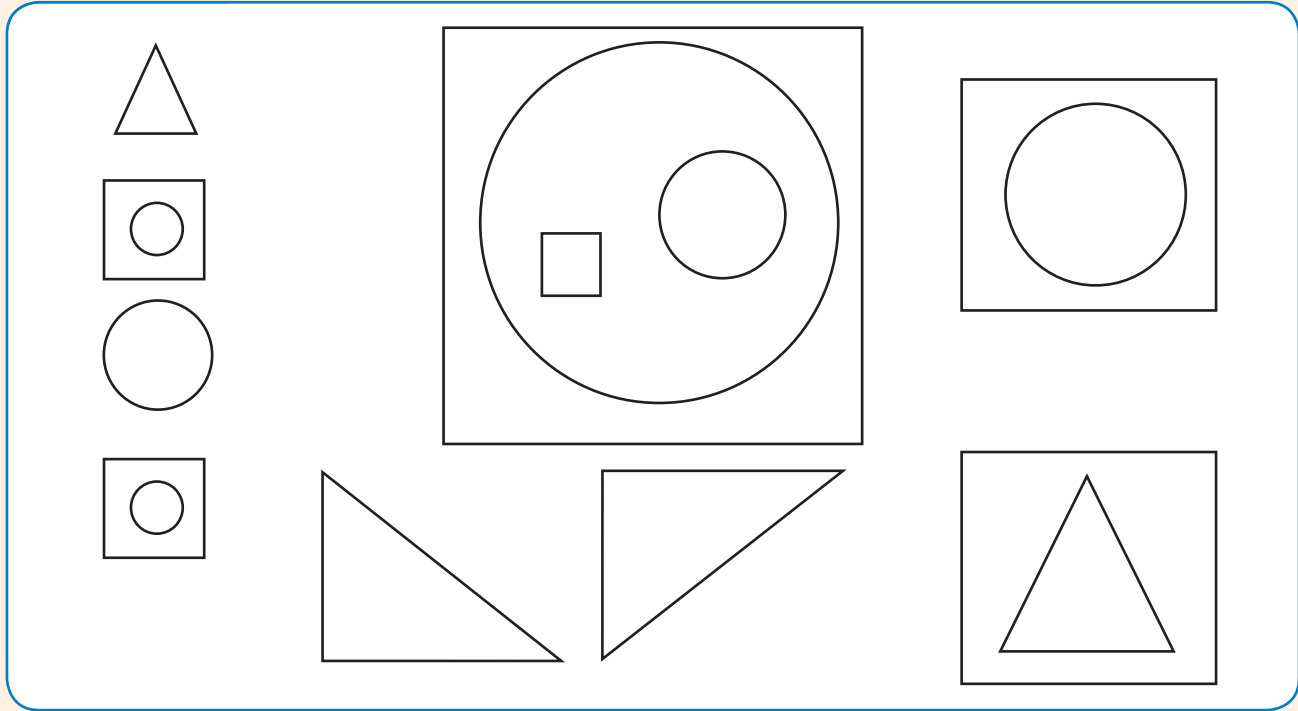
Zoba imilo enamacala:

athe tye	angqukuva





Bala inani lezangqa, lezikwere neloonxantathu.



Izangqa



Izikwere



Oonxantathu



Funa kwimagazini umfanekiso onamacala:

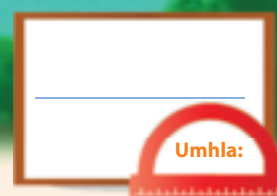
angqukuva

athe tye



Teacher:
Sign:
Date:

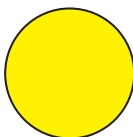
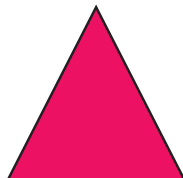
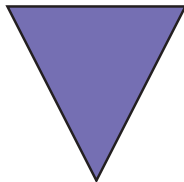
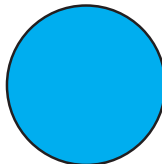




Okunye ngeemilo ezi - 2D



Thiya ezi milo amagama:

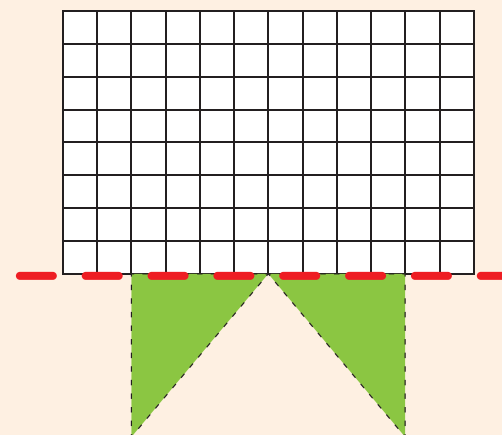
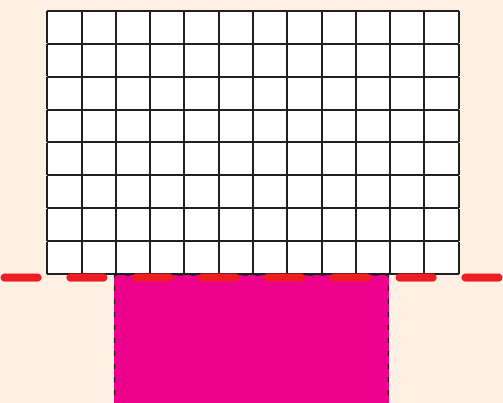
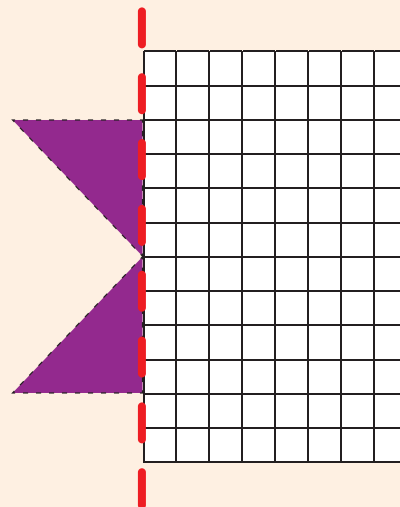
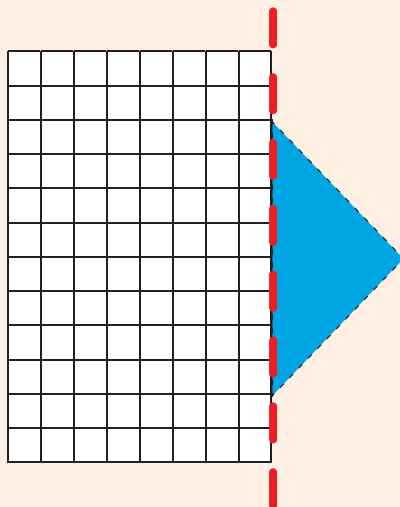
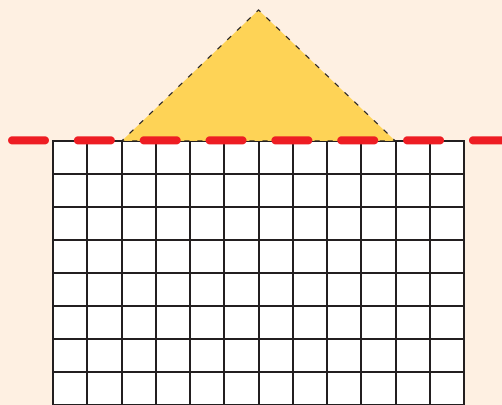
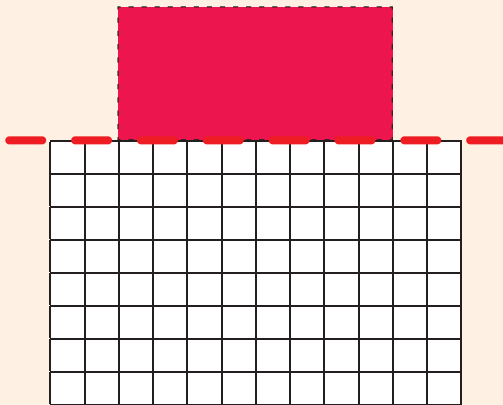
		
		



Zoba owakho umfanekiso usebenzise izangqa, oonxantathu nezikwere.



Zoba icala elisisiqingatha semilo nganye.
Sebenzisa izikwere ezincinci zikuncede.



Zonke zinamacala

athe tye

angqukuva





Amaqela ezihlanu ukuya kutsho kumashumi amabini



Yenza izangqa ukuze wenze amaqela ezihlanu.
Mangaphi amaqela ezihlanu onawo?

iqela lesi-5 eli-

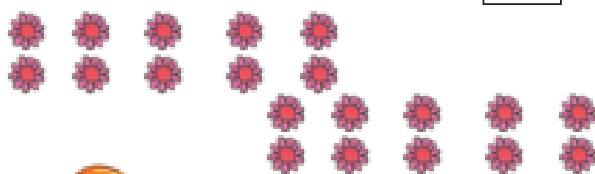
1



amaqela ezi-5 ama-



amaqela ezi-5 ama-



amaqela ezi-5 ama-



Bala inani leminwe. Bhala impendulo yakho.



$$5 + 5 + 5 =$$



$$5 + 5 + 5 + 5 =$$



$$5 + 5 + 5 + 5 + 5 =$$

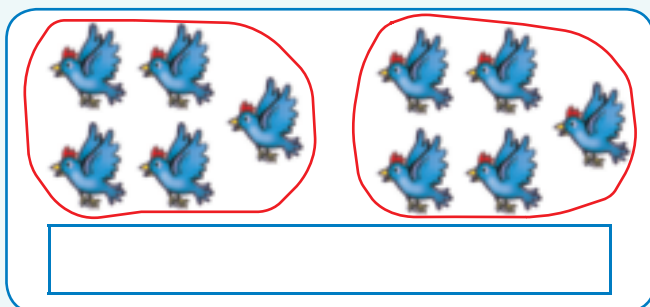


$$5 + 5 + 5 + 5 + 5 + 5 =$$

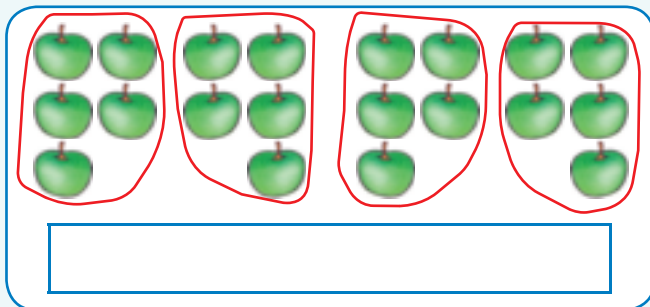


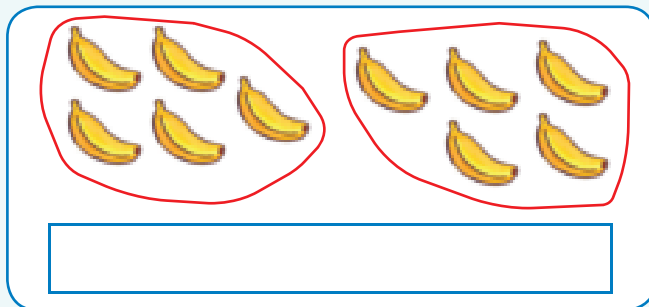


Bhala isivakalisi - manani kumfanekiso ngamnye:











Phendula imibuzo.



Zingaphi iingqekembe zee-5c ozibonayo?

Bhala isivakalisi - manani:



Bhala amanani ashiyiweyo.

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



Teacher: _____
Sign: _____
Date: _____





Izihlanu – ukudibanisa okuphindiweyo ukuya kutsho kuma-20



Yenza amaqela ezihlanu uze ubhale isivakalisi - manani.











Zoba amaqela eemilo ubonise isivakalisi - manani.

$$5 + 5 + 5 = \square$$

$$5 + 5 + 5 + 5 = \square$$





Bhala isivakalisi - manani kumfanekiso ngamnye:

$5 + 5 =$ 									

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

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



Uwabala kangaphi amanani amahlanu? _____

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



Kukho izandla ezithathu efesitileni. Mingaphi iminwe esefesitileni?
Zoba umfanekiso uze ubhale isivakalisi - manani.

Teacher: _____

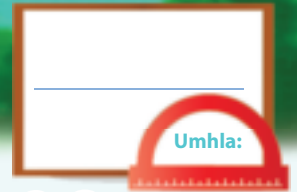
Sign: _____

Date: _____



11 12 13 14 15 16 17 18 19 20



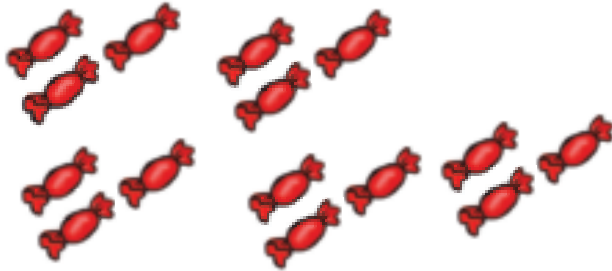


Ukwabelana ukuya kutsho kuma - 20

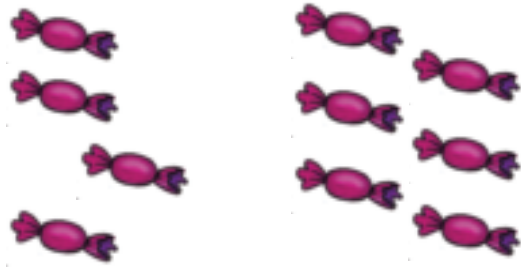
Ikota 4



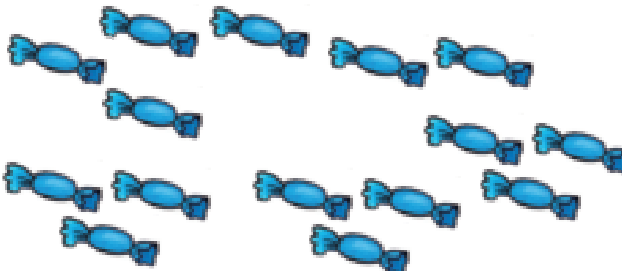
Yabela abahlobo abahlanu iilekese.
Uza kufumana iilekese ezingaphi emnye?



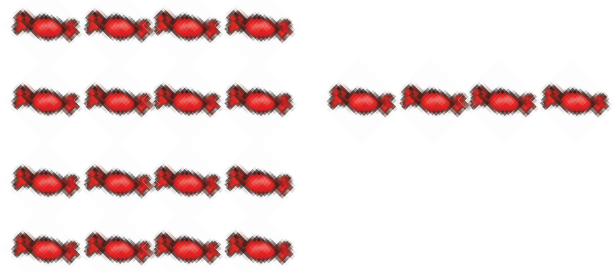
Umhlobo ngamnye uza kufumana
iilekese ezi



Umhlobo ngamnye uza kufumana
iilekese ezi



Umhlobo ngamnye uza kufumana
iilekese ezi



Umhlobo ngamnye uza kufumana
iilekese ezi

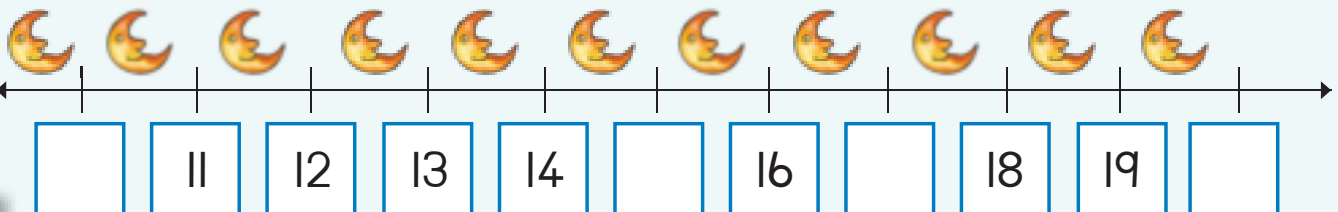


Faka umbala kwiziphindwa zesihlanu.

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



Bhala amanani angekhoyo.



0 1 2 3 4 5 6 7 8 9 10



Yenza umfanekiso ubonise oku kulandelayo.
Ingaba zikhona izibalisi ezishiyekileyo?

Yabela abantwana abahlanu izibalisi ezili -10.

Yabela abantwana abahlanu izibalisi ezi -6.

Kukho izibalisi ezi ezishiyekileyo.

Kukho isibalisi esi esishiyekileyo.

Yabela abantwana abahlanu izibalisi ezili -11.

Yabela abantwana abahlanu izibalisi ezili -16.

Kukho isibalisi esi esishiyekileyo.

Kukho isibalisi esi esishiyekileyo.



Bhala isivakalisi -manani kumfanekiso ngamnye:



$$5 + 5 =$$



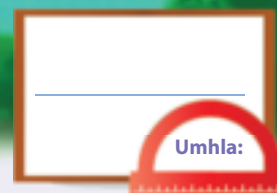






Teacher:
Sign:
Date:





Iipatheni zamanani – izihlanu ukuya kwi-100

Ikota 4



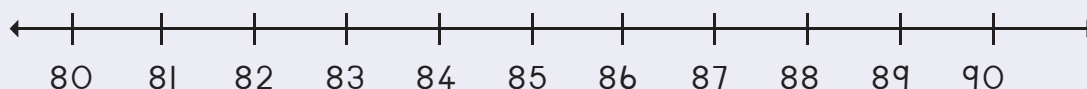
Gqibezela ipatheni ngokufakela imibala kwiziphindwa zezihlanu.

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

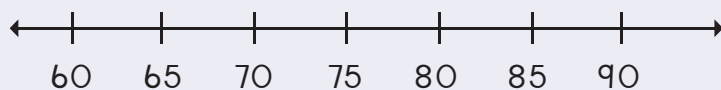


Yenza izazinge ubonise oku:

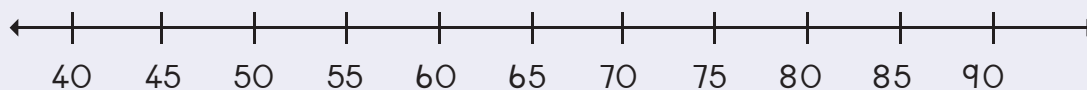
86, 88, 90



70, 75, 80



55, 60, 65, 70



Sebenzisa iwotshi ubonise ukubala imizuzu ngezihlanu.





Faka amanani akuMsiko 2 kwizithuba ezinamanani
ashihiweyo kule migca - manani. Gqibezela izazinge.

69
68
67
66
65
64
63
62
61
60

75
70

85
80



Teacher: _____
Sign: _____
Date: _____



11 12 13 14 15 16 17 18 19 20



Indawo nembonakalo

Ikota 4



Tshatisa umphambili
nomva wesilwanyana
ngasinye.

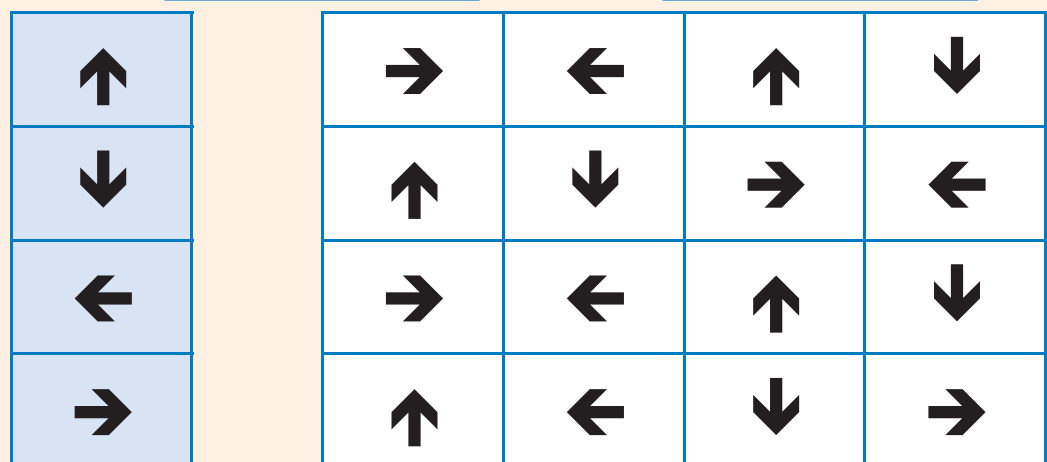
Umphambili



Umva

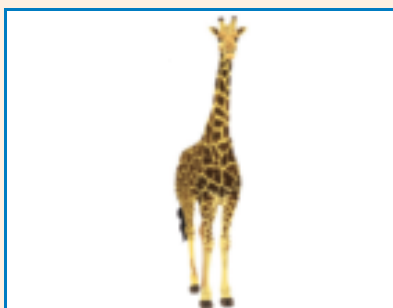


Biyela utolo
oluhambelana
notolo olunombala.





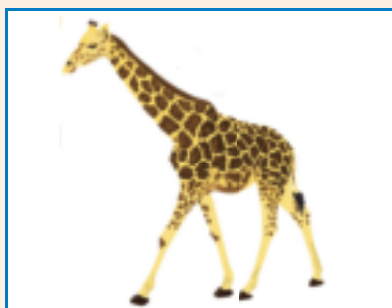
Faka umbala kwimbonakalo echanekileyo.



Imbonakalo yangaphezulu

Imbonakalo yasecaleni

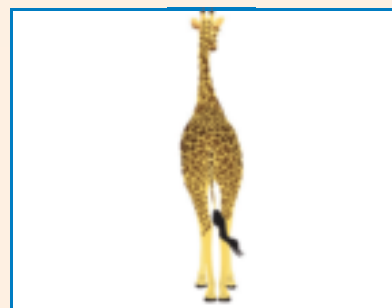
Imbonakalo yangaphambili



Imbonakalo yangaphezulu

Imbonakalo yasecaleni

Imbonakalo yangaphambili



Imbonakalo yangasemva

Imbonakalo yasecaleni

Imbonakalo yangaphambili



Iphi ikati?

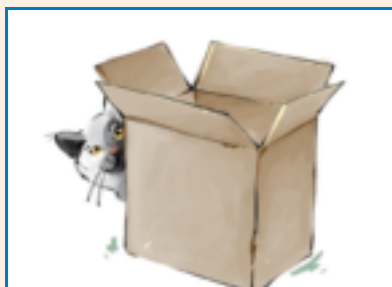
Faka umbala kwimpendulo echanekileyo.



Ngasemva

Ngaphambili

Ecaleni



Ngasemva

Ngaphambili

Ecaleni



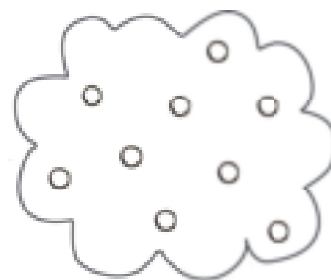
Ngasemva

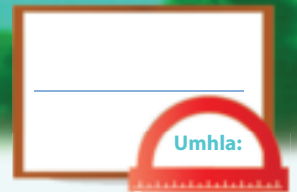
Ngaphambili

Ecaleni



Jonga le mifanekiso mibini. Faka umbala kwimbonakalo yangaphezulu.

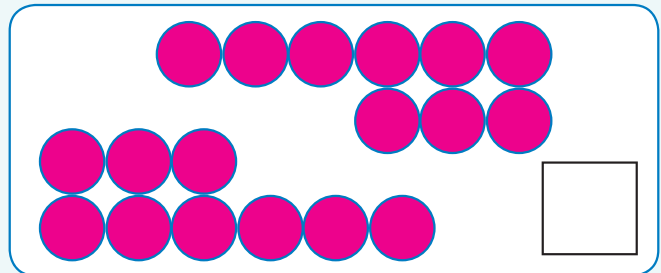
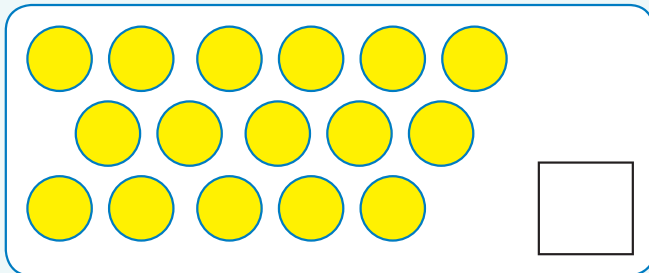
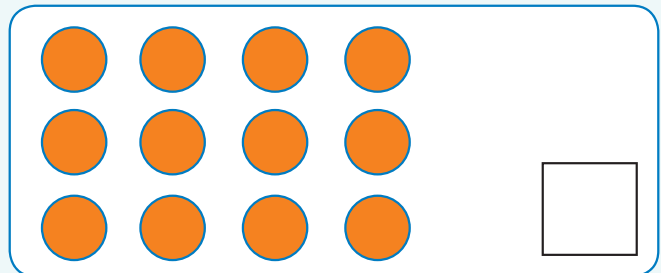
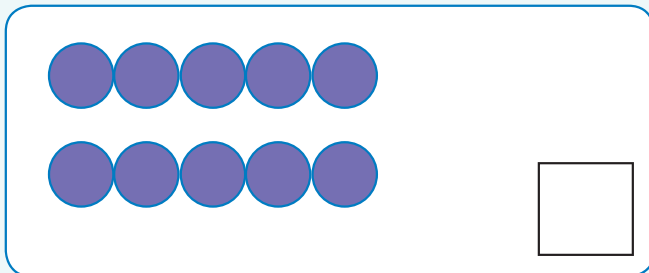
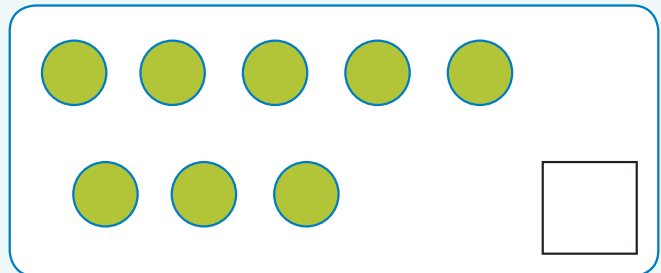
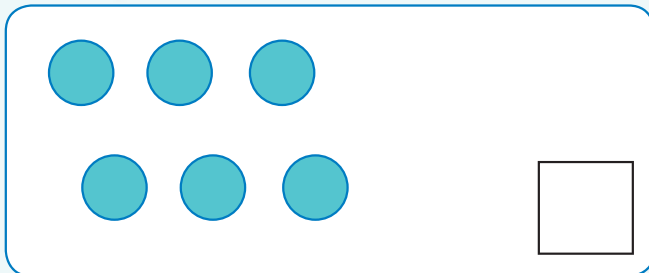




Amaqela ezibini ukuya kutsho kuma - 20



Yenza amaqela ezibini. Bhala phantsi ukuba mangaphi na amaqela akhoyo.



Yenza amaqela ezibini. Wazobe la maqela.





Phendula imibuzo.



Zingaphi iintaka ezikhoyo?

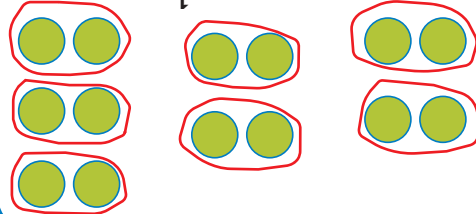
Mangaphi amaqela ezibini onokuwenza?

Bhala izivakalisi - manani.

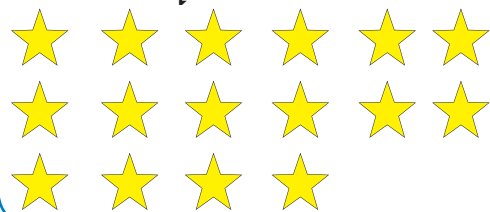


Biyela ngesangqa ukuze wenze oku.

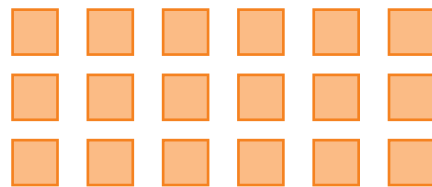
Amaqela ezi-2 asi-7



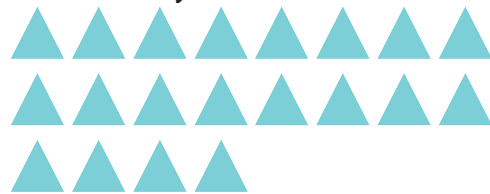
Amaqela ezi-2 asi-8



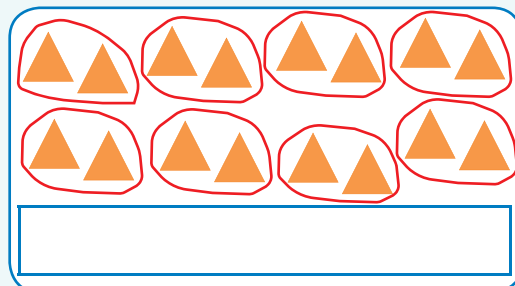
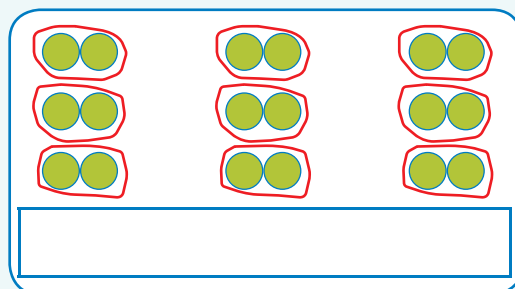
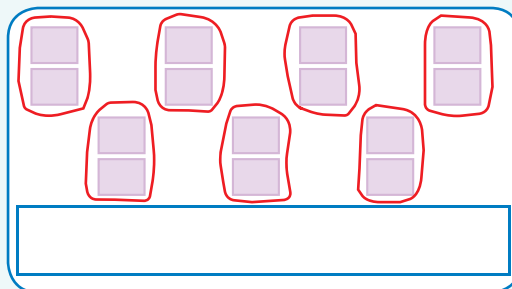
Amaqela ezi-2 ali-9



Amaqela ezi-2 ali-10



Bhala isivakalisi - manani kumfanekiso ngamnye.



Teacher:
Sign:
Date:

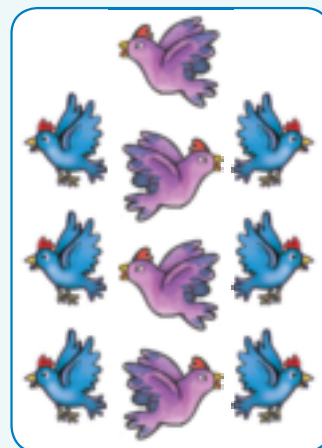
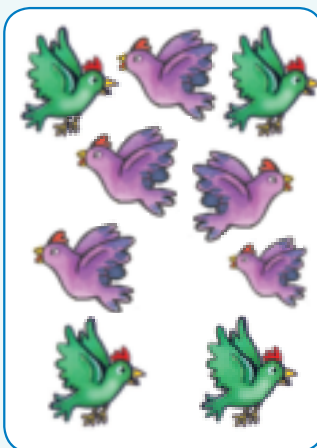
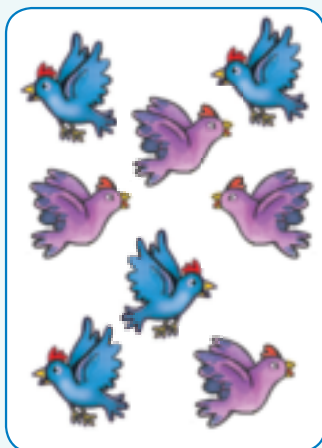




Izibini – ukudibanisa okuphindiweyo ukuya kuma - 20



Mangaphi amanqina akhoyo? Bhala isivakalisi - manani kwibloko nganye.





Zoba iimilo ezimele oku:

$$2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$$



$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = \square$$

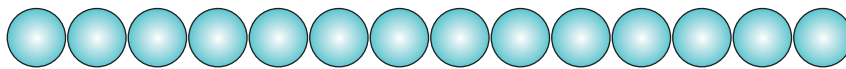
$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = \square$$

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = \square$$

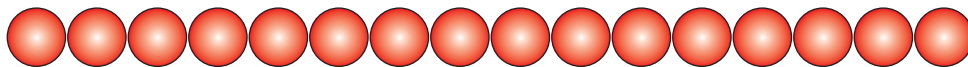


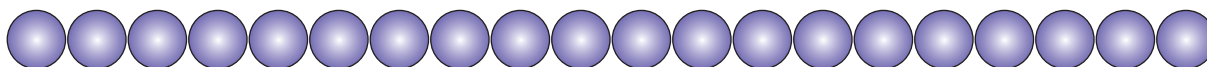


Bhala isivakalisi - manani kumfanekiso ngamnye:



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









Faka umbala kwiziphindwa zesibini.

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



Ndineepakethe ezi - 6 ezineelekeke ezimbini inye. Zingaphi iilekese endinazo? Zoba umfanekiso uze ubhale isivakalisi - manani.

Ndineelekeke ezi .



Teacher:

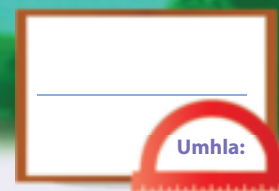
Sign:

Date:



11 12 13 14 15 16 17 18 19 20





Iipatheni zamanani – izibini ukuya kwi-100

Ikota 4



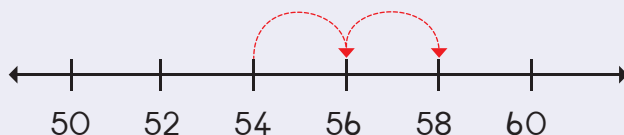
Gqibezela ipatheni ufakele imibala kula manani.

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

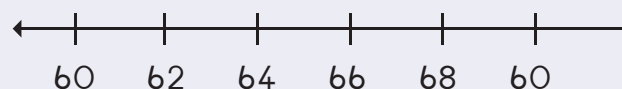


Yenza izazinge ubonise oku:

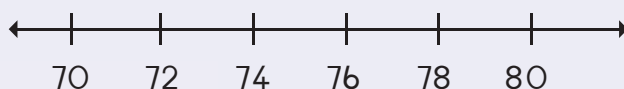
54, 56, 58



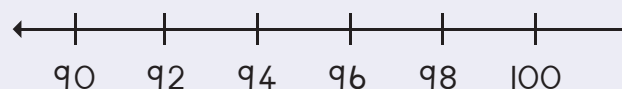
64, 66, 68



74, 76, 78



94, 96, 98

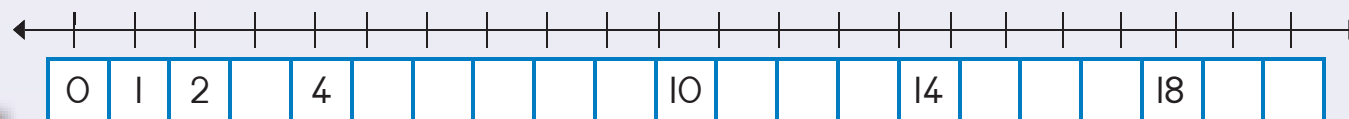


Fakela amanani ashiyiweyo. Fakela umbala kule patheni: 2, 4...

I		3				7			10
II						17			20



Gqibezela umgca - manani.



0 1 2 3 4 5 6 7 8 9 10



Sika amanani kuMsiko 2 uze uwafake
kwimigca-manani endaweni yamanani ashijiweyo.
Gqibezela izazinge.

69
67
65
63
61
60

79
77
75
73
71
70

89
87
85
83
81
80

99
97
95
93
91
90

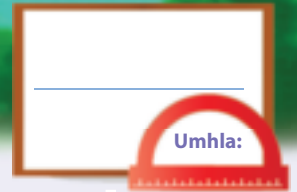
11 12 13 14 15 16 17 18 19 20



Teacher: _____
Sign: _____
Date: _____



120



Iipatheni zamanani – izibini ukuya kutsho kwi-100

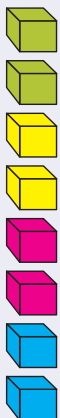
Ikota 4



Zikhona iipatheni zezibini ozibonayo?



Fakela umbala kwiibloko ubonise amaqela ezibini.
Bala ukuba mangaphi amaqela akhoyo.



4

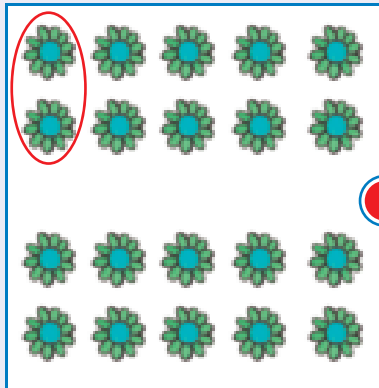


0 1 2 3 4 5 6 7 8 9 10

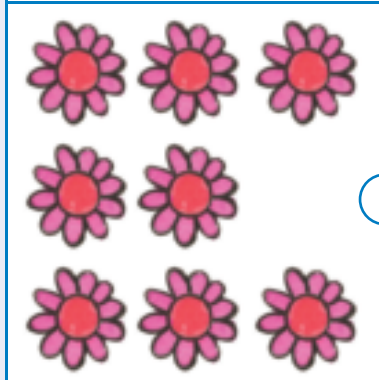




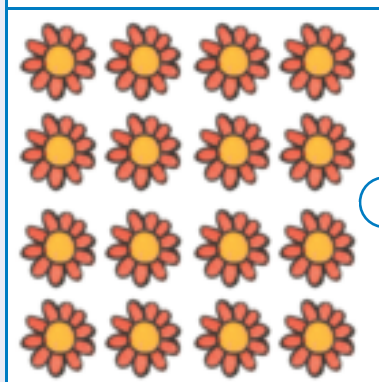
Krwela umgca utshatise amaqela ezibini nezivakalisi -manani.



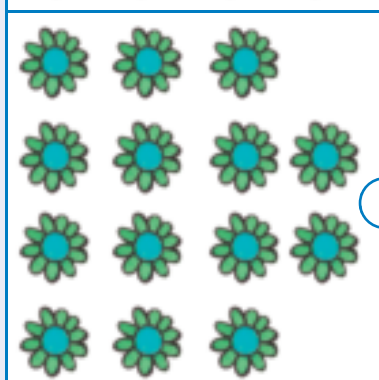
$$2 + 2 + 2 + 2 = 8$$



$$2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$$



$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20$$



$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$$



Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



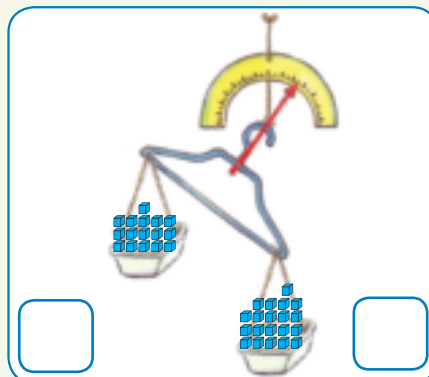
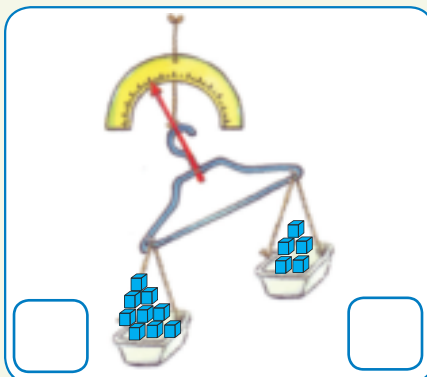
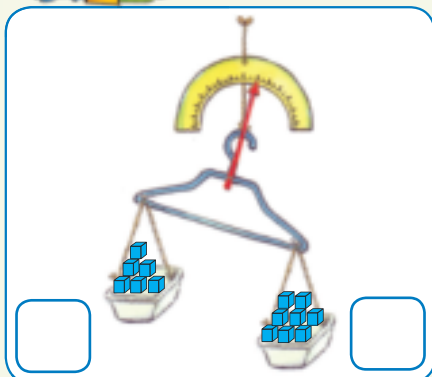


Ubunzima

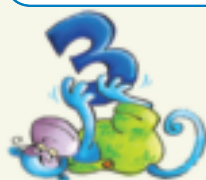
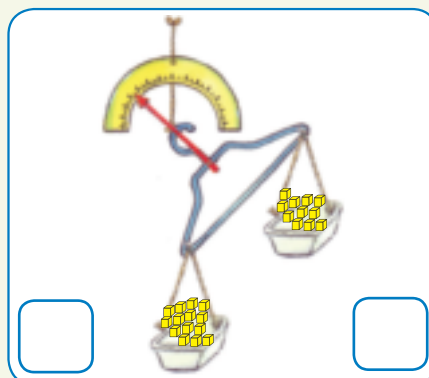
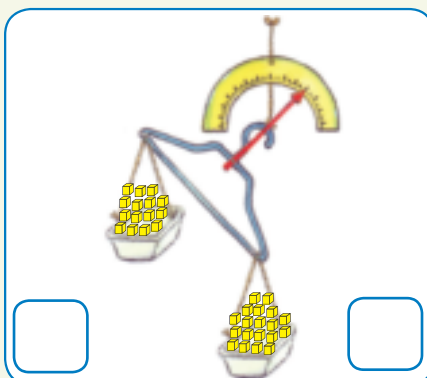
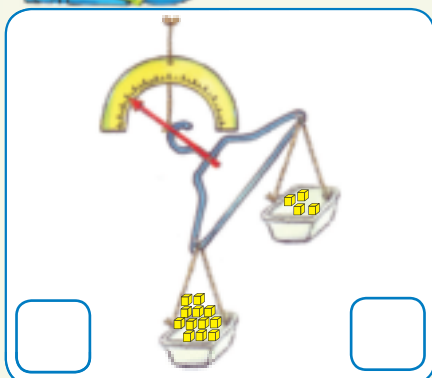
Ikota 4



Bhala ukuba zingaphi iibloko ezikwisikhongozelo ngasinye.
Biyela isikhongozelo esinzima.



Bhala ukuba zingaphi iibloko ezikwisikhongozelo ngasinye.
Biyela isikhongozelo esikhaphu-khaphu.



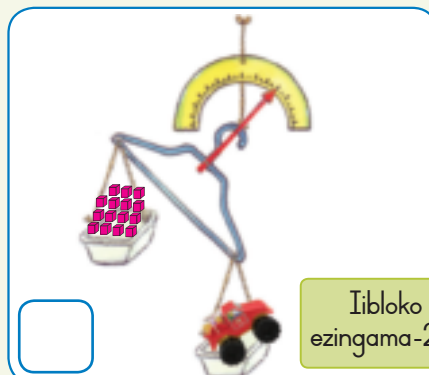
Bala ukuba zingaphi na iibloko. Bala ukuba zingaphi iibloko ezingaphezulu ezifunekayo ukuze kulinganiswe ithoyi. Isikali siyakuxelela ukuba ithoyi inobunzima obungakanani.



Iibloko
ezili-12



Iibloko
ezili-17

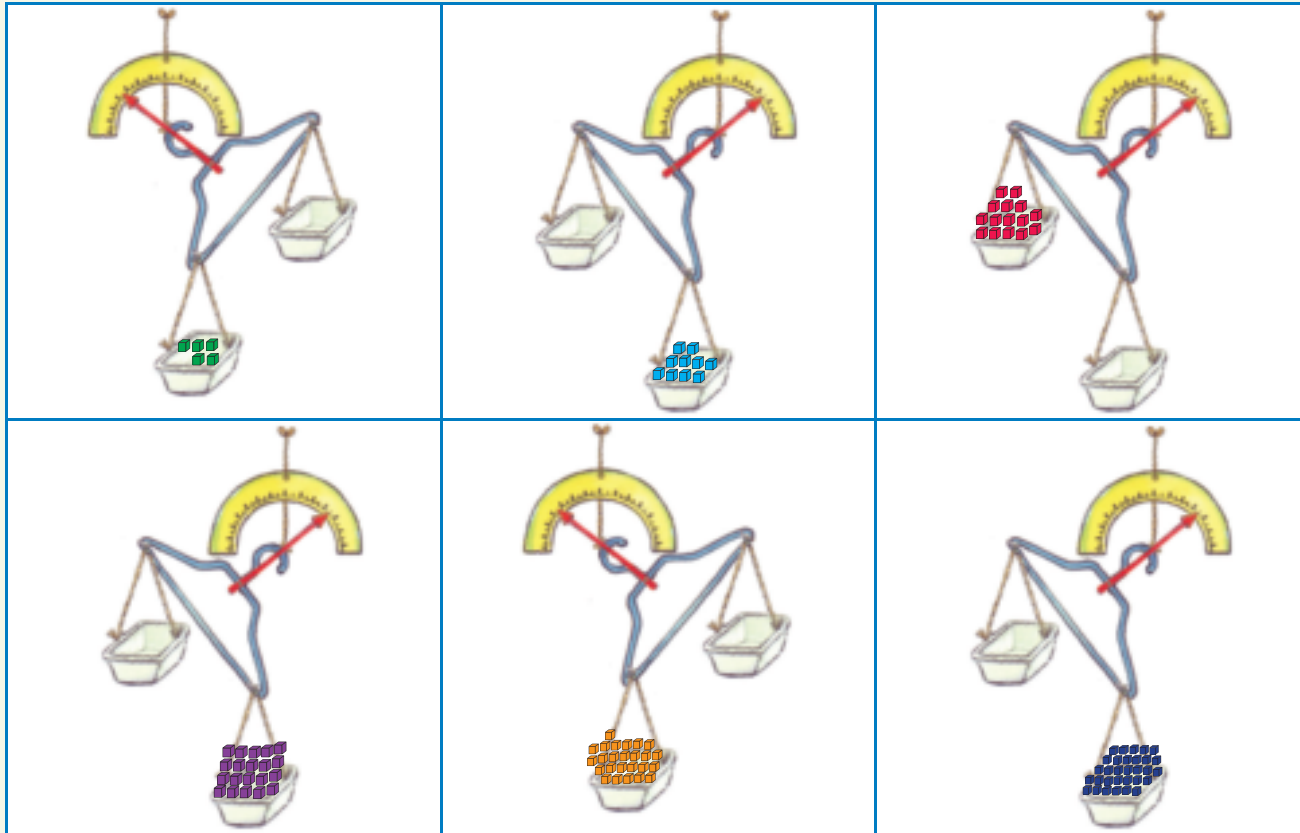


Iibloko
ezingama-20





Zoba into enzima okanye ekhaphu - khaphu kuneebloko.



Sebenzisa naziphi na izinto ezintlanu ezisedesikeni yakho. Qala uqikelele ukuba inobunzima obungakanani uze wakugqiba uyilinganise esikalini ukhangele ukuba ingaba ingqikelelo yakho ichanekile na.

Zoba le nto	Qikelela	Ubunzima	Umahluko
	ziibloko ezi ____	ziibloko ezi ____	____ - ____ = ____



Teacher:

Sign:

Date:





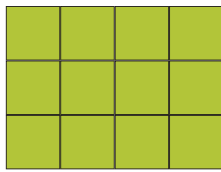
Ukuphinda kabini

Ikota 4

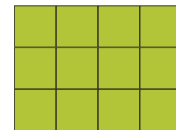
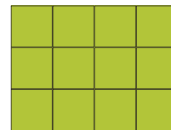


Phendula oku kulandelayo:

Zingaphi izikwere ezikhoyo?



Zingaphi ezikhoyo ngoku?



Sithi i-12 eliphindwe kabini lenza ama-24.

Mingaphi imilenze ekhoyo?

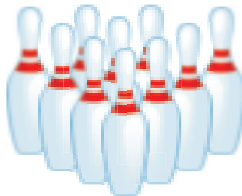


Mingaphi imilenze ekhoyo ngoku?



Sithi isi-6 esiphindwe kabini silingana ne

Bangaphi oothinti abakhoyo?



Bangaphi oothinti abakhoyo ngoku?



Sithi i-10 eliphindwe kabini lenza

Zingaphi iintsuku ezenza iveki?

C	Mv	Lb	Lt	Ln	Lhl	Mgq

Zingaphi iintsuku ezikwiiveki ezimbini?

C	Mv	Lb	Lt	Ln	Lhl	Mgq

Sithi isi-7 esiphindwe kabini senza

Zingaphi iikhrayoni ezikhoyo?



Zingaphi iikhrayoni ezikhoyo ngoku?



Sithi isi-8 esiphindwe kabini senza





Bhala
impendulo.

Isi-4 esiphindwe kabini	=	8
i-10 eliphindwe kabini	=	
i-11 eliphindwe kabini	=	
Isi-2 esiphindwe	=	
Isi-6 esiphindwe kabini	=	



Bhala impendulo:

Isi bini esiphindwe kabini senza	isine
Isi thathu esiphindwe kabini senza	
Isi ne esiphindwe kane senza	
Isi hlanu esiphindwe kabini senza	
Isi thandathu esiphiwe kabini senza	
Isi xhenxe esiphindwe kabini senza	



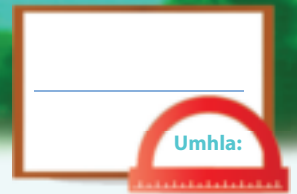
Gqibezela itheyibhile

$9 + 9 + 1 =$		okanye	Phinda kabini i- $9 + 1 =$	
		okanye	Phinda kabini i- $8 + 1 =$	
$10 + 10 + 1 =$		okanye		
$7 + 7 + 1 =$		okanye	Phinda kabini i- $7 + 1 =$	



Teacher:
Sign:
Date:





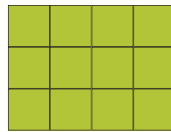
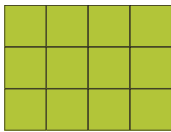
Ukwahlula kubini

Ikota 4

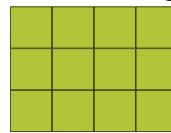


Phendula oku kulandelayo:

Zingaphi izikwere ezikhoyo?



Zingaphi izikwere ezikhoyo ngoku?



Sithi isiqingatha sama - 24 li - 12.

Mingaphi imilenze ekhoyo?



Mingaphi imilenze ekhoyo ngoku?



Sithi isiqingatha se - 12 sisi -

Bangaphi oothinti abakhoyo?



Bangaphi oothinti abakhoyo ngoku?



Sithi isiqingatha sama - 20 li -

Zingaphi iintsuku kwiiveki ezi - 2?

C	Mv	Lb	Lt	Ln	Lhl	Mgq
C	Mv	Lb	Lt	Ln	Lhl	Mgq

Zingaphi iintsuku kwiveki enye?

C	Mv	Lb	Lt	Ln	Lhl	Mgq

Sithi isiqingatha se - 14 sisi -

Zingaphi iikhrayoni ezikhoyo?



Zingaphi iikhrayoni ezikhoyo ngoku?



Sithi isiqingatha se - 16 sisi -





Bhala
impendulo.

Isiqingatha sesi-8	=	4
Isiqingatha se-10	=	
Isiqingatha sesi-6	=	
Isiqingatha se-12	=	
Isiqingatha se-14	=	



Bhala impendulo.

Isiqingatha sesine sisi-	bini
Isiqingatha sesithandathu sisi-	
Isiqingatha sesibini ngu-	
Isiqingatha sesibhozo sisi-	
Isiqingatha seshumi sisi-	



Bhala impendulo.

Isiqingatha se-10 sisi-	5
Isiqingatha se-12 sisi-	
Isiqingatha se-14 sisi-	
Isiqingatha se-16 sisi-	
Isiqingatha se-18 li-	



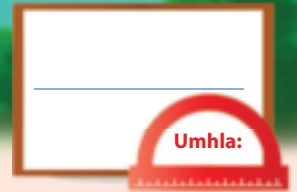
○

□

△

Teacher:
Sign:
Date:

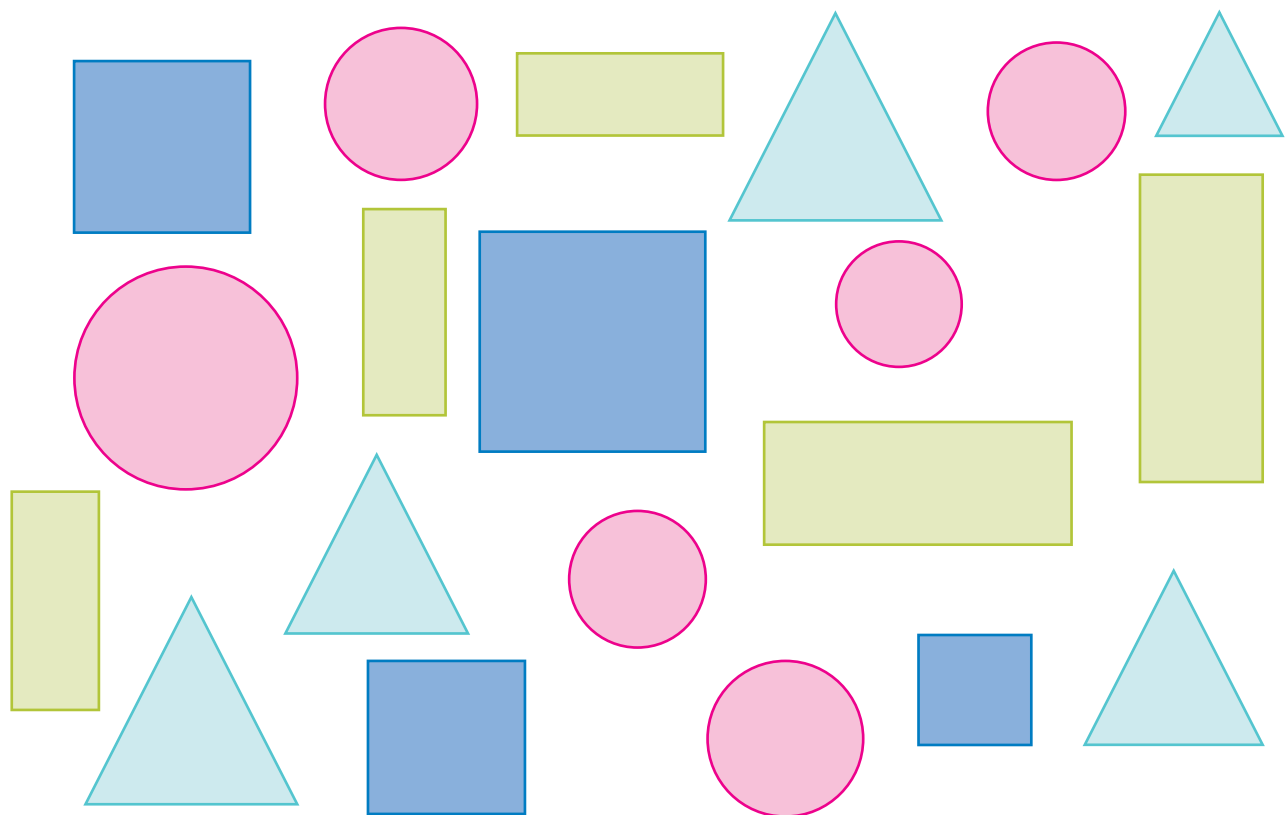




Iinkcukacha



Bala ukuba zingaphi iimilo ezahlukeneyo ezikhoyo wandule ukuphendula imibuzo.



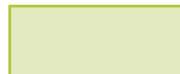
1. Zingaphi izikwere ezikhoyo?



2. Bangaphi oonxantathu abakhoyo?



3. Zingaphi iingxande ezikhoyo?



4. Zingaphi izangqa ezikhoyo?





Ezinye iinkcukacha



Abantwana abaseklasini banezi thoyi zokudlala zilandelayo. Umntwana ngamnye unezingaphi kuhlobo ngalunye?



Gqibezela itheyibhile.

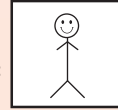
Ithoyi	Inani
Oonopopi	
Iitrakha	
Oobherana	
Iirobhothi	



Gqibezela le grafu yemifanekiso ngokuthi uzobe inani elichanekileyo lemifanekiso yomntu wezinti kuhlobo ngalunye lwethoyi.

Iithoyi esinazo

Isikhokelo =



Oonopopi	Iitrakha	Oobherana	Iirobhothi



Phendula le mibuzo. Jonga kwigrafu yemifanekiso ikuncede.

Bangaphi abantwana abanoonopopi?	
Bangaphi abantwana abaneetrakha?	
Bangaphi abantwana abanoobherana?	
Bangaphi abantwana abaneerobhothi?	
Yeyiphi ithoyi ethandwa kakhulu?	
Yeyiphi ithoyi engathandwa kakhulu?	



11 12 13 14 15 16 17 18 19 20



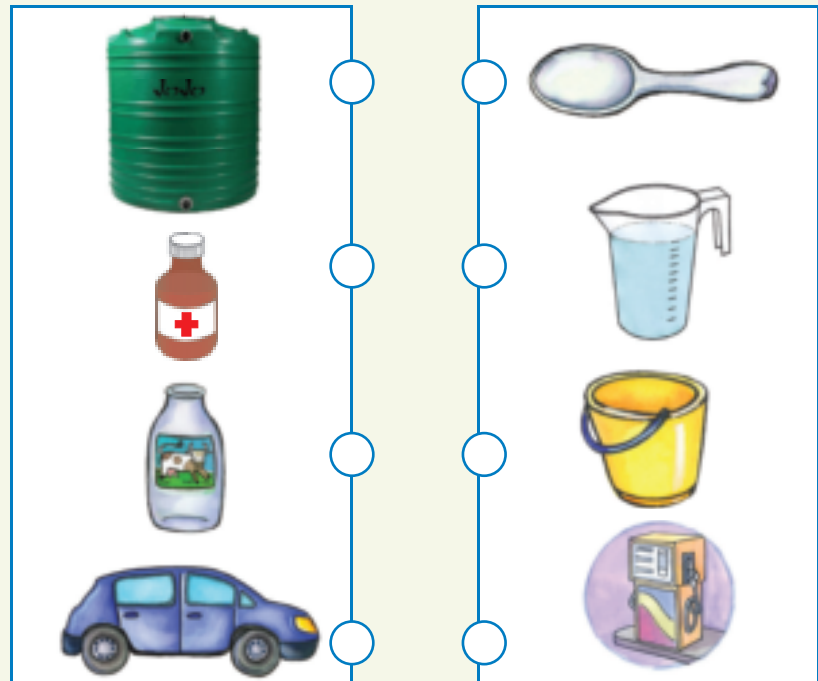


Umthamo

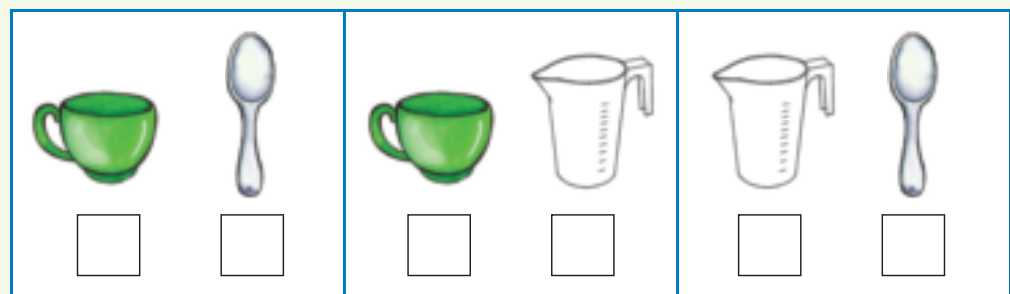
Ikota 4



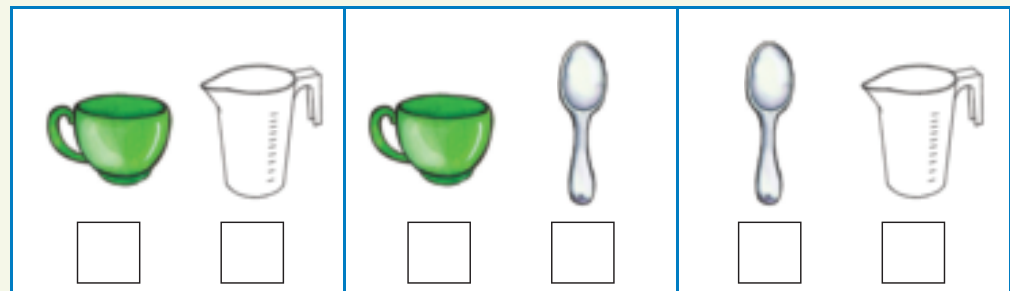
Silulinganisa njani ulwelo?
Krewla umgca utshatise into
kunye nesixhobo sokuyilinganisa.



Phawula isikhongozelo
esiya kuthatha
umthamo omncinci.



Phawula isikhongozelo
esiya kuthatha
umthamo omninzi.

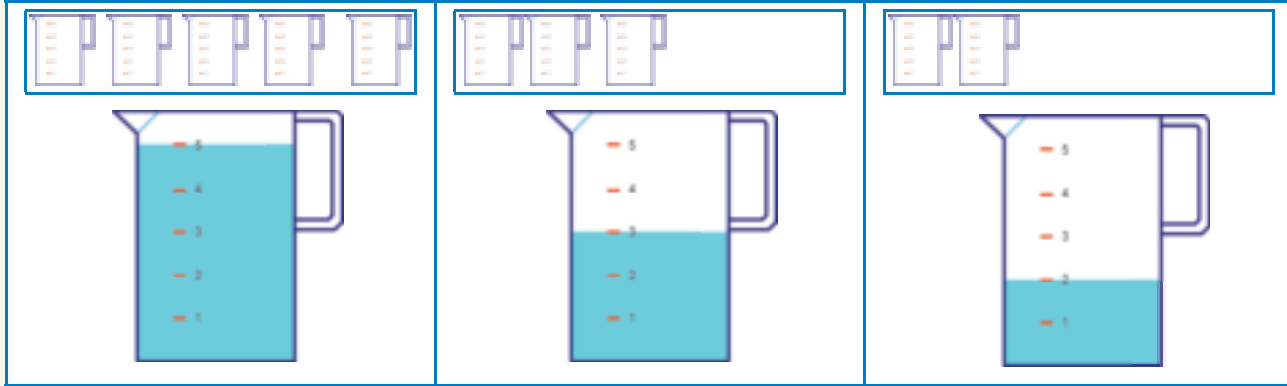


Ingaba ezi zikhongozelo
zizele okanye azinanto?

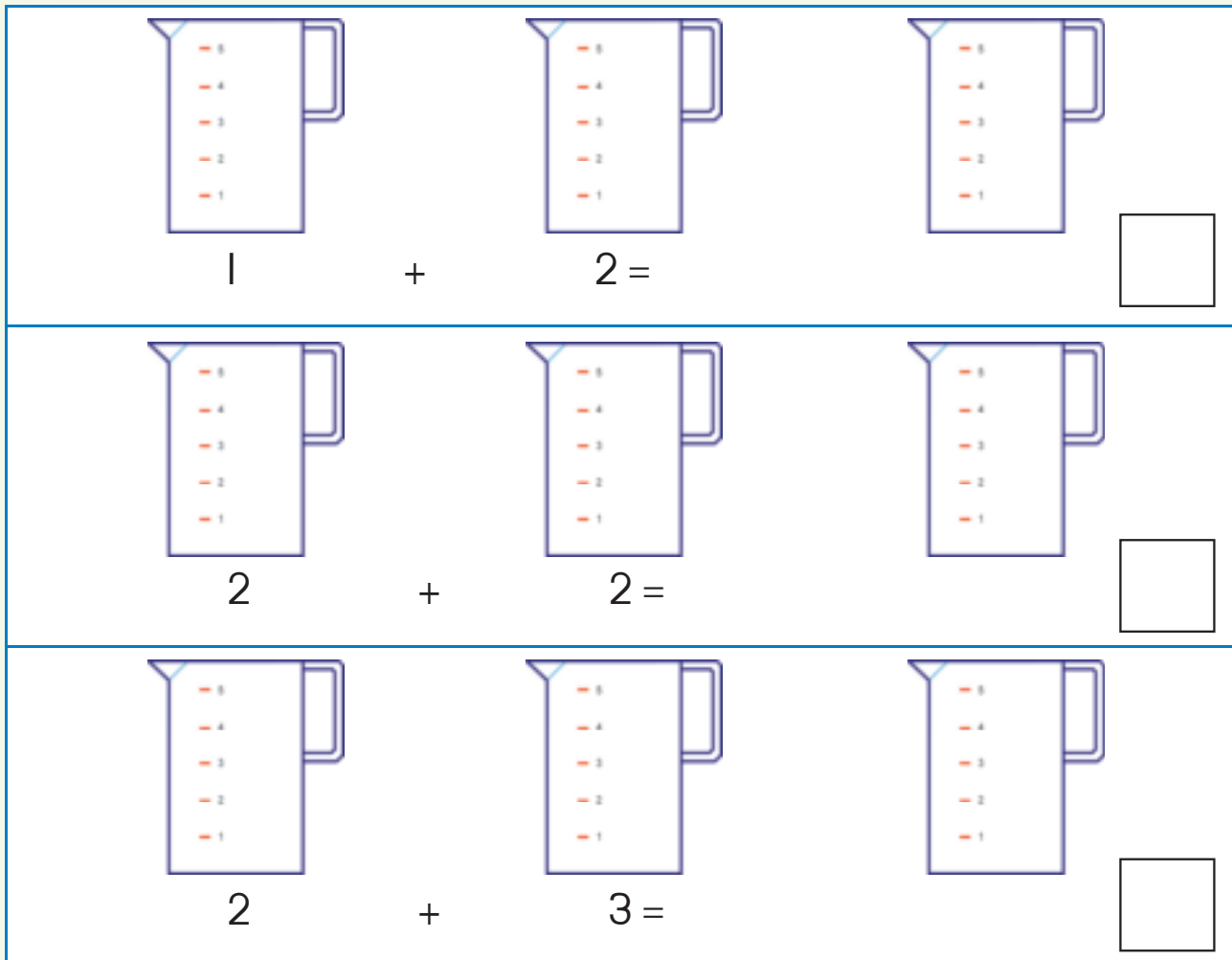




Kufuneka ndibe neekomityi ezintlanu ukuze ndizalise ijagi.
Kufuneka ndibe neekomityi ezingaphi ngaphezulu ukuze ndizalise
ijagi ezimbini? Zizobe.



Faka umbala ubonise umthamo ochanekileyo wolwelo.



Teacher:
Sign:
Date:



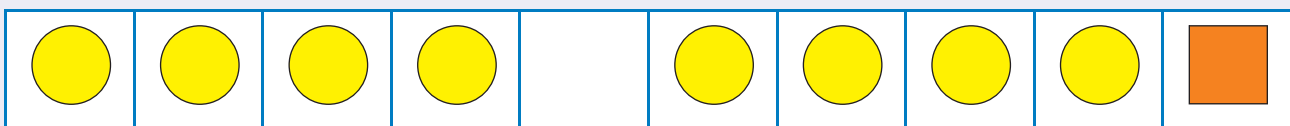
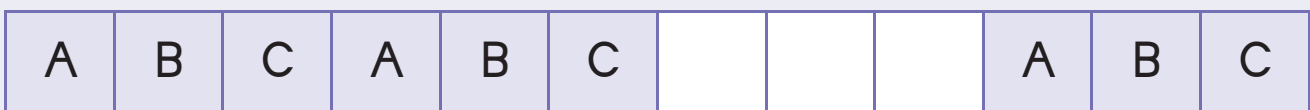
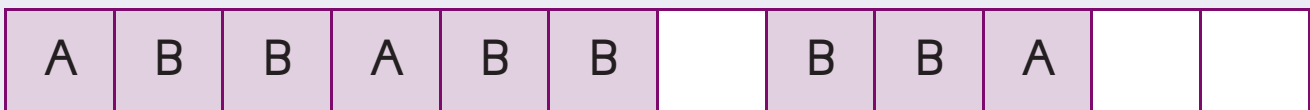
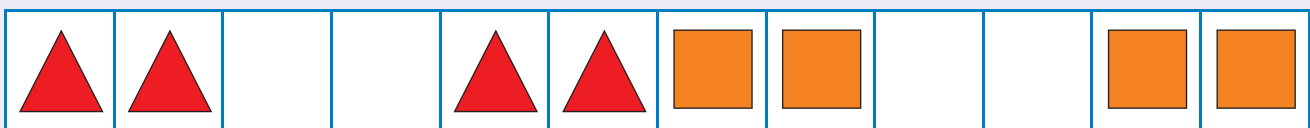
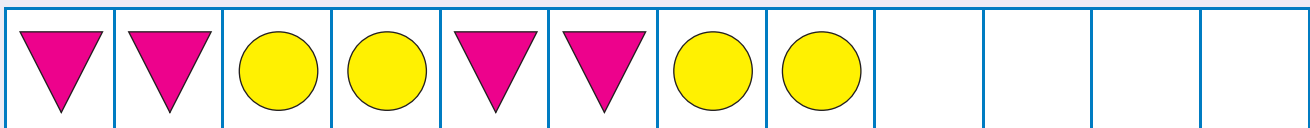
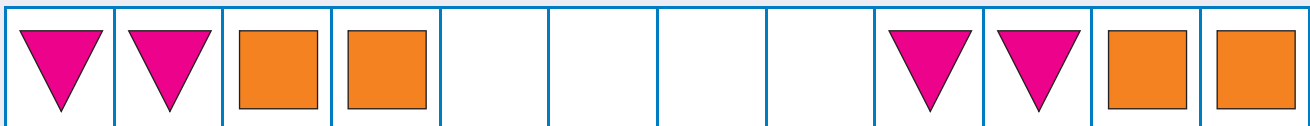
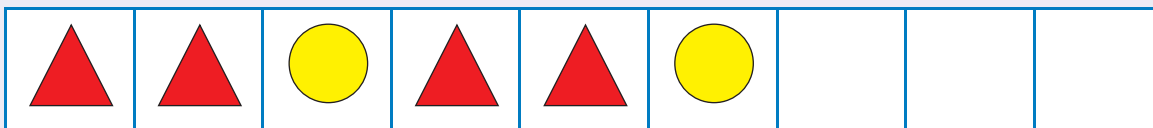


Iipatheni zejometri



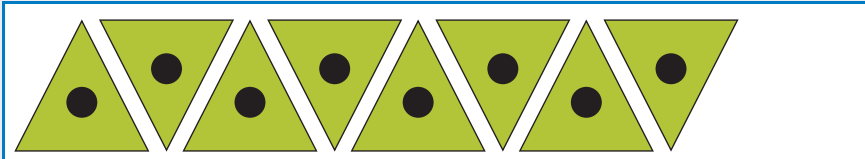
Gqibezela iipatheni.

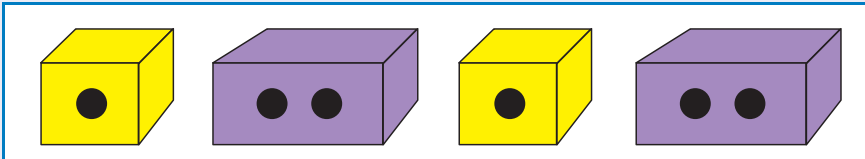
Ikota 4

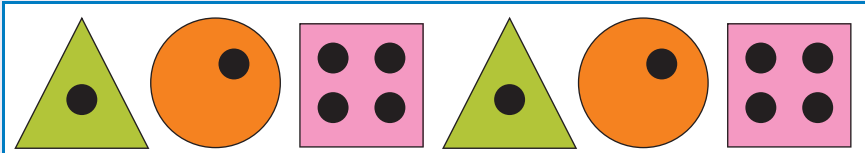


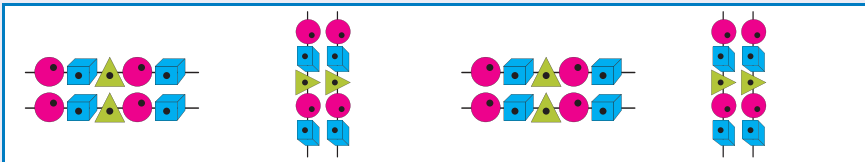


Yandisa iipatheni.









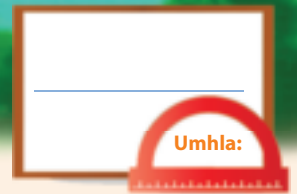


Zenzele ezakho iipatheni usebenzise izangqa, izikwere noonxantathu.



Teacher:
Sign:
Date:



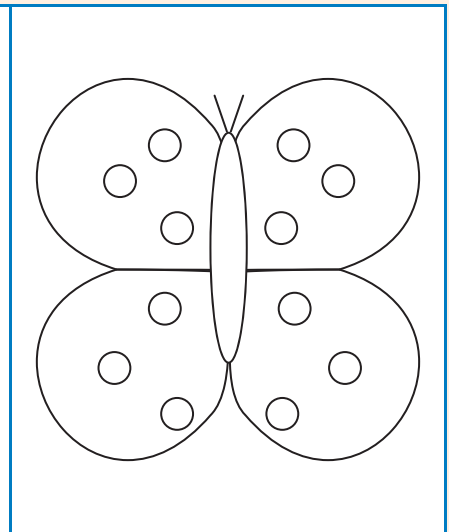
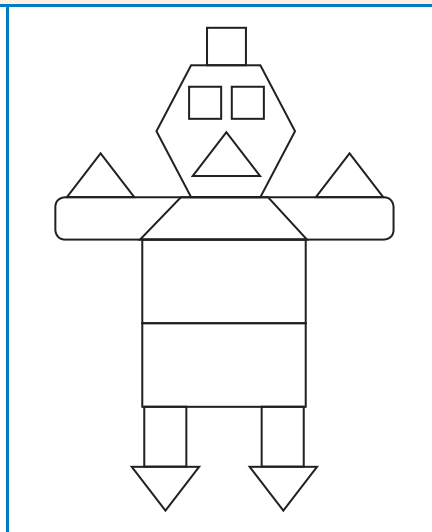
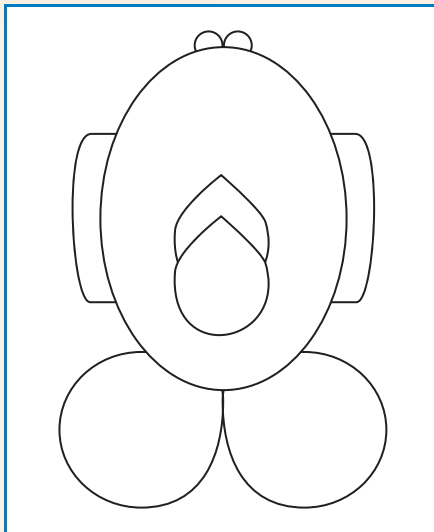


Umatwa - totse

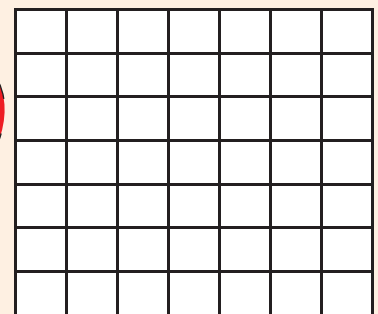
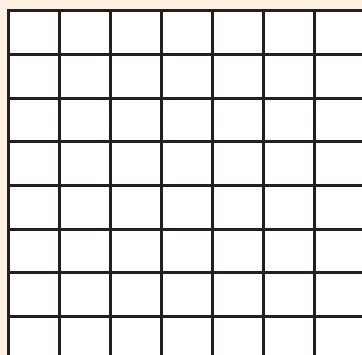
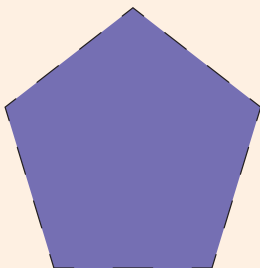
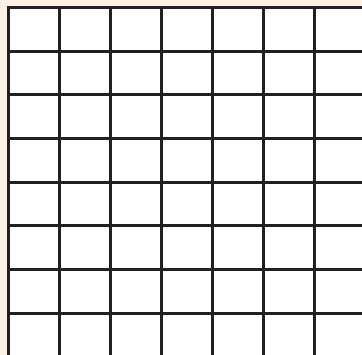
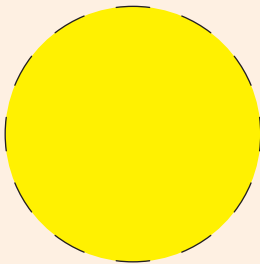
Ikota 4



Krwela umgca kamatwa - totse owahlula umfanekiso ube ngamacala amabini alinganayo. Faka umbala kwicala elinye lomfanekiso ngamnye.

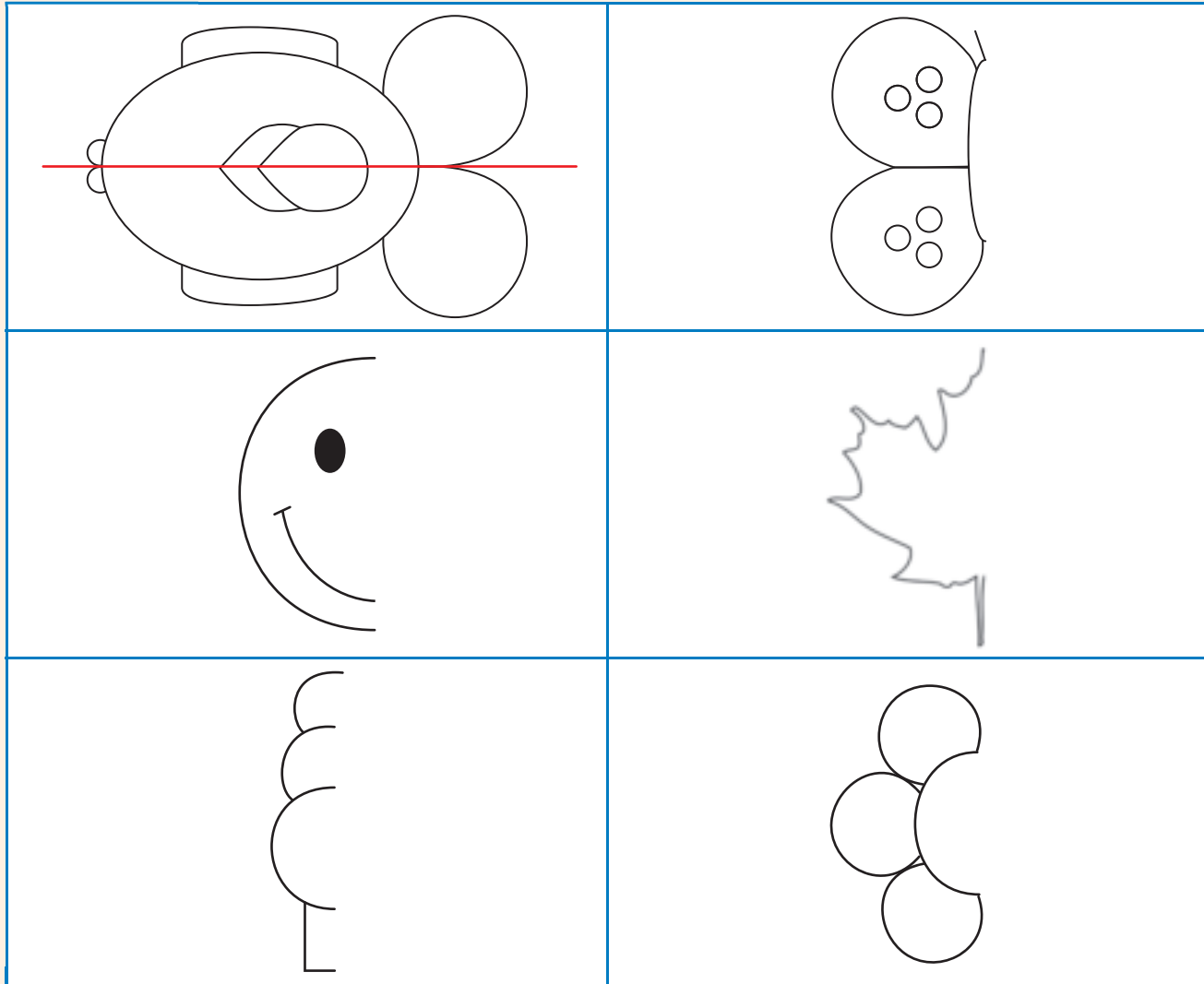


Khuphela ezi milo uze ukrwele umgca kamatwa - totse wakugqiba.

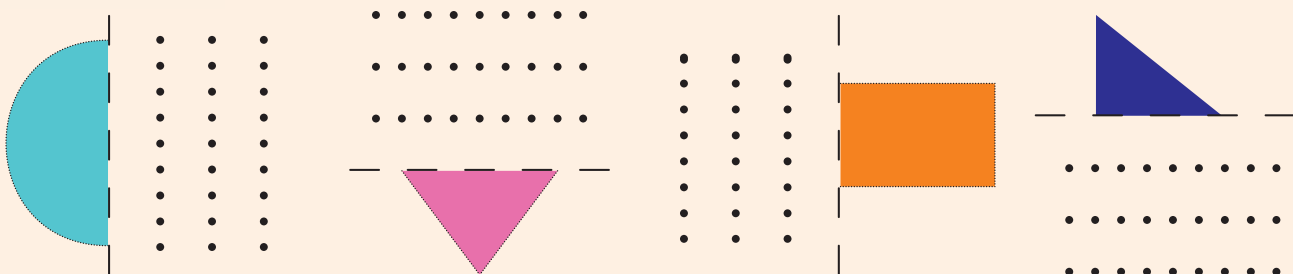




Gqibezela umfanekiso ngokuzoba elinye icala elifana twatse.



Zoba esinye isiqingatha somfanekiso.



Teacher: _____
Sign: _____
Date: _____

Amanqaku



A large rectangular area with horizontal blue lines for writing, set against a light blue background. A vertical red line is positioned on the left side of the writing area, creating a margin.

Amanqaku



A large rectangular area with horizontal blue lines for writing, set against a light blue background. A vertical pink line is positioned on the left side of the writing area.

Amanqaku



A large, blank, lined writing area with horizontal blue lines and a vertical red margin line on the left side.

Cut-out 1

Worksheet 79



Cut out cards 2

Worksheet 83

45	50	40	40	30	35
----	----	----	----	----	----

Worksheet 84

70	65	75	80	70	60
----	----	----	----	----	----

Worksheet 93

34	46	40	44	36	50	32		
42	48	38						
62	74	66	68	64	76	80	72	78

Worksheet 115

72	78	82	84	86	74	80
76	88	90				

Worksheet 119

62	72	64	74	86	66	78	80	68
82	94	86	90	84	96	100		
92	98	88						

