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uMphathiswa wemfundiso  
esisiSeko



UMnu. Enver Surty,  
uSekela Mphathiswa  
wemfundiso esisiSeko

Ezi ncwadi zilungiselelwe abantwana baseMzantsi Afrika phantsi kwephiko loMphathiswa weMfundiso esisiSeko uNksk. Angie Motsekga kanye noSekela Mphathiswa weMfundiso esisiSeko uMnu. Enver Surty.

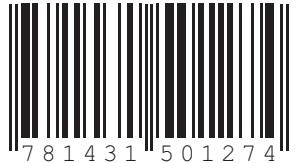
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Sinethemba lokuba ootitshala bayo kuzifumana ezi ncwadi zokusebenzela ziluncedo kakhlulu kwimfundiso yemihla ngemihla, nasekuqinisekiseni ukuba abafundi bayifikelela yonke ikharityhulam. Ukuqinisekisa ukuba uitshala uyakhokelwa kuyo yonke imisetyenzana. sisebenzise izalathisi ezibonisa oko kufanele ukwenziwa ngumfundiso.

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

Sinqwenela ukuba nibe nempumelelo ekusebenziseni ezi ncwadi.

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MATHEMATICS IN ISIXHOSA

GRADE 1 – BOOK 2

TERMS 3 & 4

ISBN 978-1-4315-0127-4

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1 2 3 4

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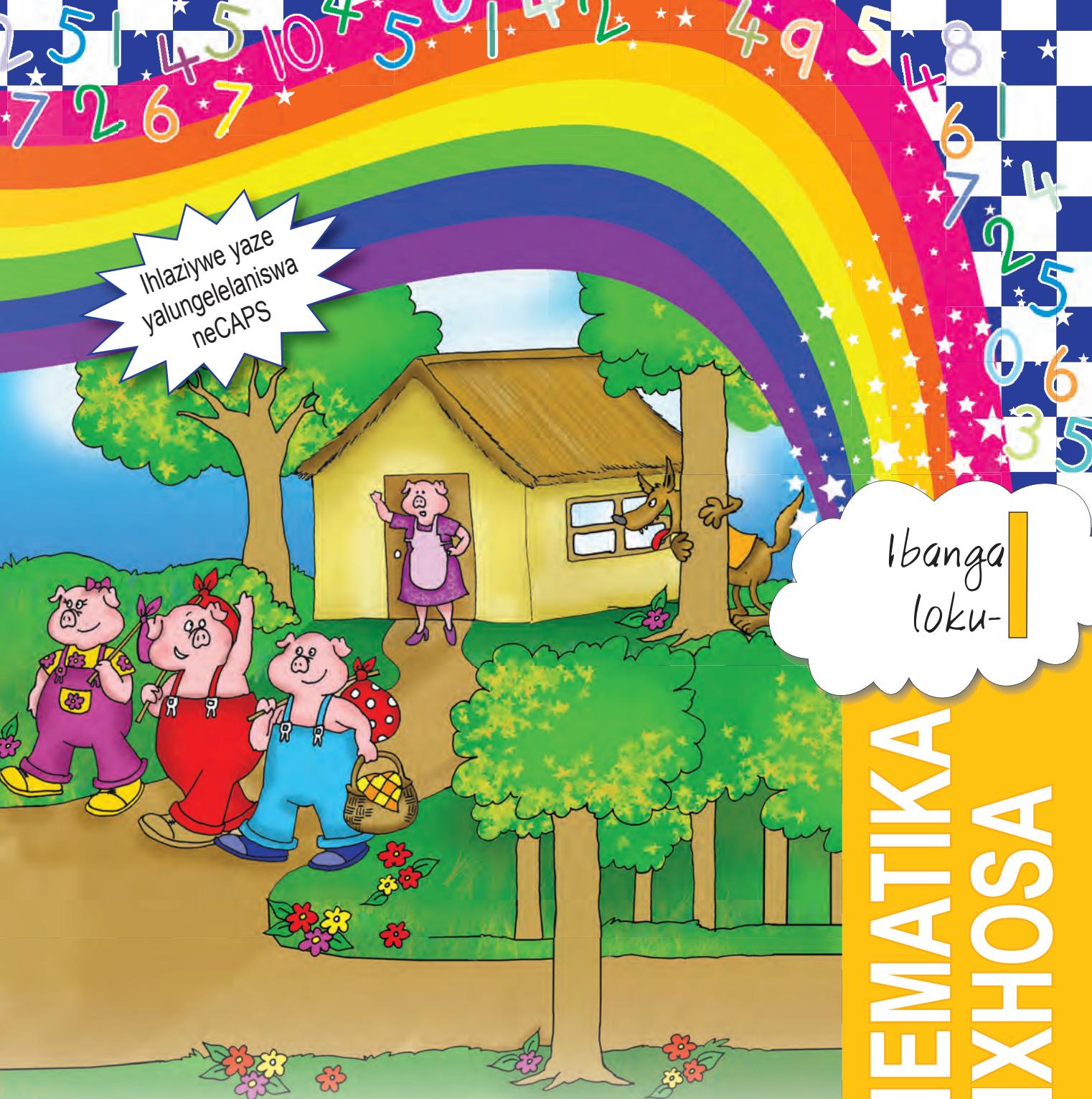
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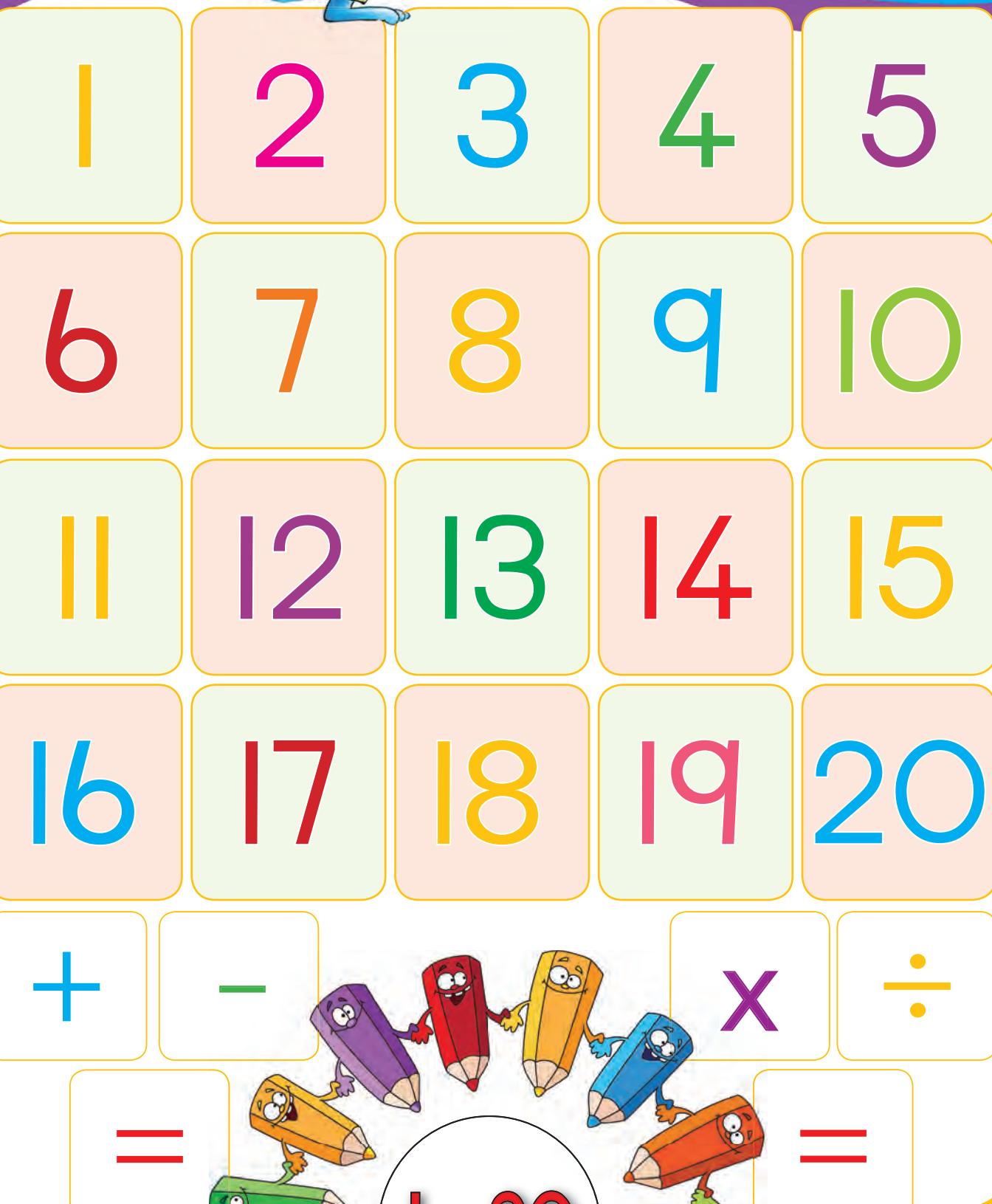
Incwadi yesi -2  
Ikota 3 & 4

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1-20



4 5 0 2 5 1 4 5 10 4 5 0 1 4 2 4 9 5 8 6 1

Ibanga  
loku-



# IMathematika NGESIXHOSA

Le ncwadi yeka-:



SIXHOSA

Incwadi  
yesi-

2



## Masiqonde inani II

Uhlaziyo:

Ziqhelise ukubhala la manani.



inye

I I



zimbini

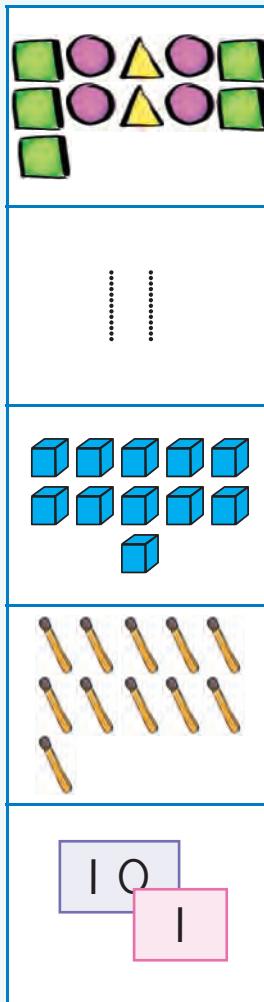
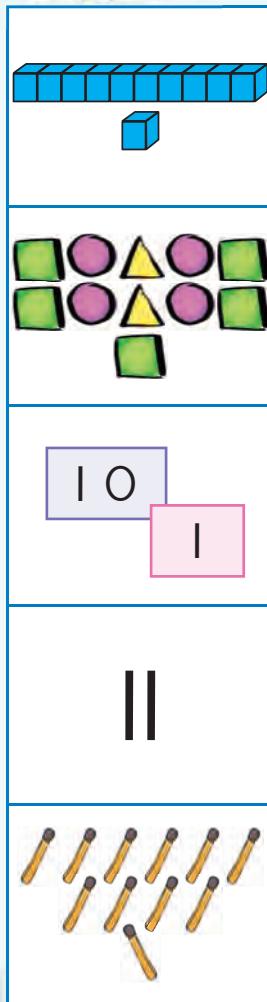
2 2



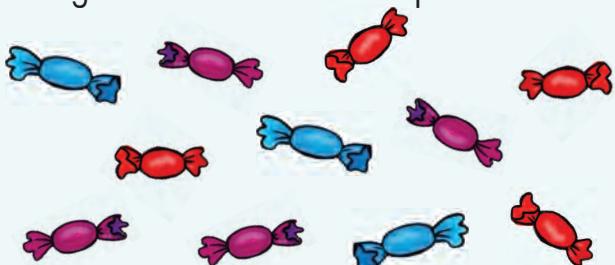
Tshatisa imifanekiso.



Biyela ezi zinto.

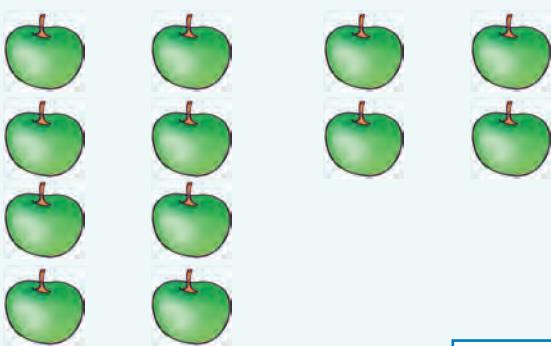


Biyela iilekese ezilishumi kuphela.



Zingaphi iilekese ezishiye kileyo?

Biyela ama-apile alishumi kuphela.



Mangaphi ama-apile ashiye kileyo?





Khuphela la manani.



ishumi elinanye



Ikhola nganye  
kufuneka yenze i-II  
xa iyonke. Fakela  
amanani ashiiyiwego.

3	5	4
4	5	
4		2
II	II	II



Zoba izinto zibe li-II.



Fakela amanani ashiiyiwego.



Bala ezi zinto.



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

  		ishumi elinanye
	II	ishumi elinanye
II	  	
	ishumi elinanye	  



Leliphi inani elinganeno  
ngononye kune-II? \_\_\_\_\_

Leliphi inani elingaphezulu  
ngononye kune-II? \_\_\_\_\_



66



Ikota 3

## Masiqonde inani 12

Uhlaziyo:

Ziqhelise ukubhala la manani.



zintathu

3 3



zine

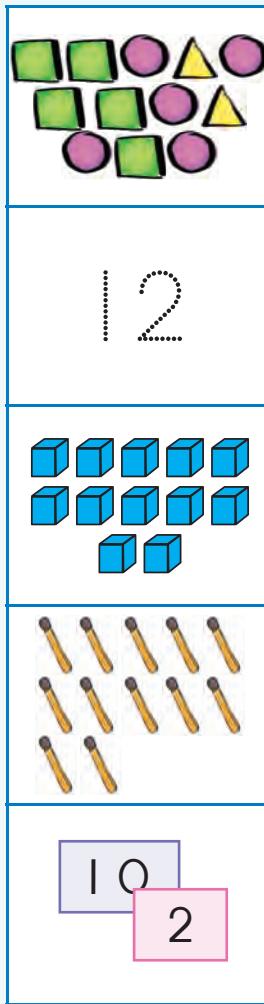
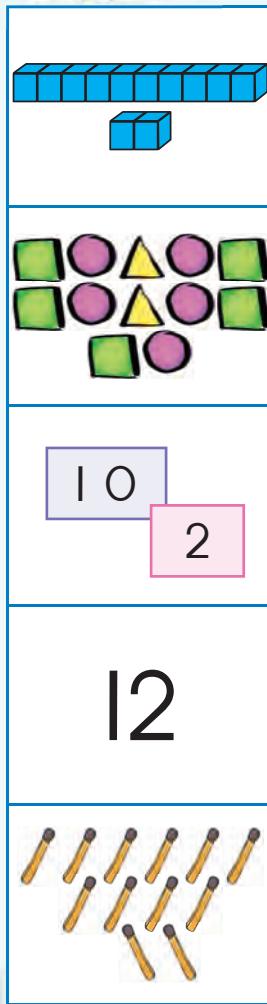
4 4



Tshatisa imifanekiso.



Biyela ezi zinto.



Biyela izihlangu ezili-10 kuphela.



Zingaphi izihlangu  
ezishiyeyleyo?



Biyela oonokrwece abali-12 kuphela.



Bangaphi oonokrwece  
abashiyeyleyo?



0 1 2 3 4 5 6 7 8 9 10



Khuphela la manani.

12	12	12	12
----	----	----	----

ishumi elinesibini

12	12	12	12
----	----	----	----



Zoba izinto ezili-12.



Ikhola nganye  
kufuneka yenze  
i-12. Fakela amanani  
ashiyiweyo.

	7	6
4		4
3	2	
12	12	12



Fakela amanani ashayiweyo.

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	 

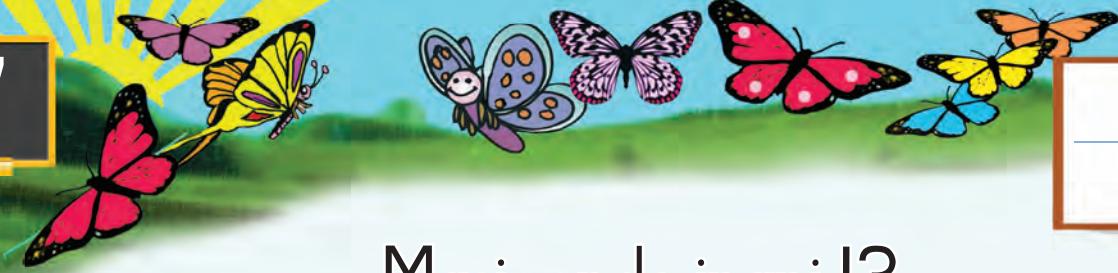


Leliphi inani elinganeno  
ngononye kune-12? \_\_\_\_\_

Leliphi inani elingaphezulu  
ngononye kune-12? \_\_\_\_\_



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Umhla:

Ikota 3

## Masiqonde inani 13

Uhlaziyo:

Ziqhelise ukubhala la manani.



zintlanu

5 5

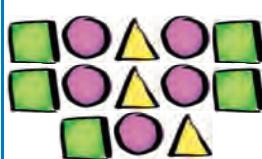
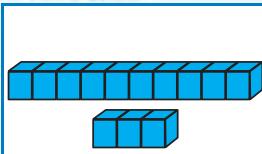


zintandathu

6 6



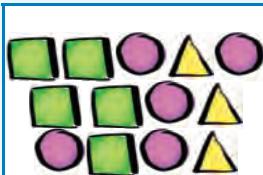
Tshatisa imifanekiso.



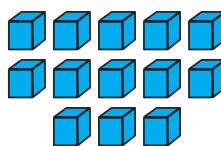
10

3

13



13



10

3



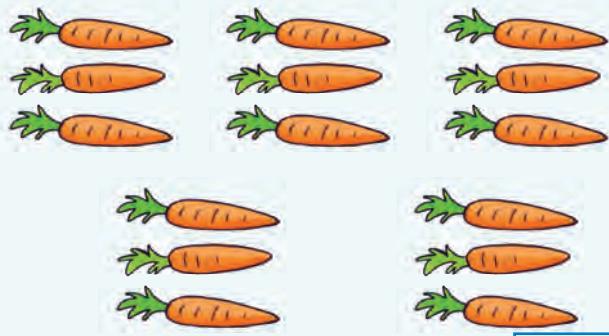
Biyela ezi zinto.

Biyela iikati ezili - 10 kuphela.



Zingaphi iikati ezishiyekileyo?

Biyela iminqathe ibe li - 13 kuphela.



Mingaphi iminqathe eshiyekileyo?



6

0

1

2

3

4

5

6

7

8

9

10



Khuphela la manani.

13	13	13	13
ishumi elinesithathu			
13	13	13	13



Ikhola  
nganye  
kufuneka  
yenze  
i-13.

1	2	6
1		
	3	2
13	13	13



Zoba izinto ezili-13.

Khawuzizobe ngonye indlela ke ngoku.

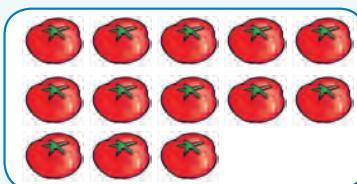


Fakela amanani  
ashiyiwego.

	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? \_\_\_\_\_





## Masiqonde inani 14

Uhlaziyo:

Ziqhelise ukubhala la manani.



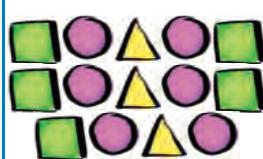
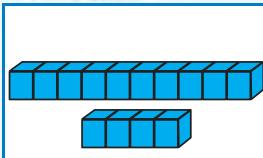
1 1



8 8

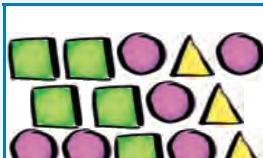


Tshatisa imifanekiso.

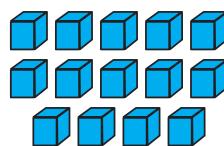


10  
4

14



14



10  
4



Biyela ezi zinto.

Biyela amabhabhathane ali-10 kuphela.



Mangaphi amabhabhathane  
ashiyeyleyo?

Biyela iiokhwe ezili-14 kuphela.



Zingaphi iiokhwe ezishiyeyleyo?





Khuphela la manani.

14 14 14 14

ishumi elinesine

14 14 14 14



Zoba izinto zibe li-14.



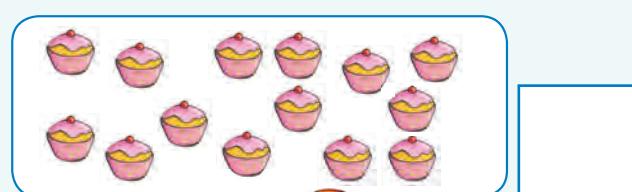
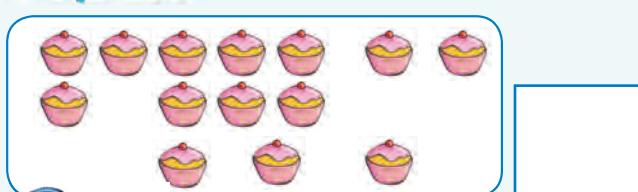
Ikhola nganye  
kufuneka yenze  
i-14. Fakela amanani  
ashiyiwego.

1		2
	5	1
3	2	
14	14	14

Khawuzizobe ngonye 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? \_\_\_\_\_



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Umhla:

Ikota 3

## Masiqonde inani 15

Uhlaziyo:

Ziqhelise ukubhala la manani.



q q



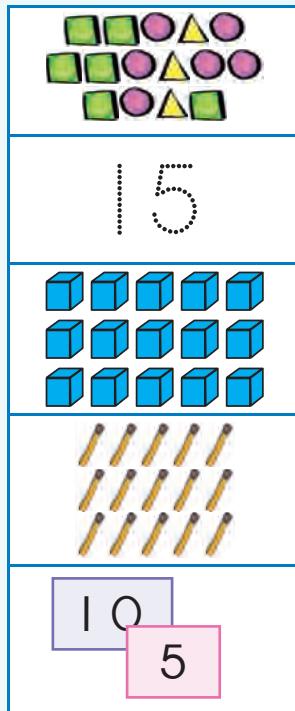
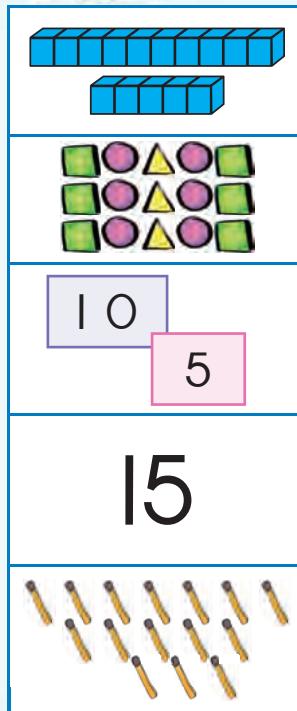
10 10



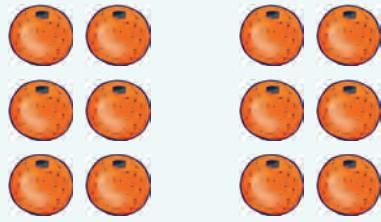
Tshatisa imifanekiso.



Biyela ezi zinto.



Biyela ii-orenji ezili-10 kuphela.



Zingaphi ii-orenji ezishiyekileyo?

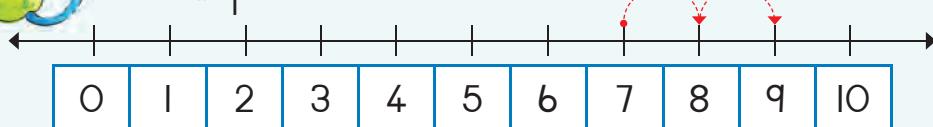
Biyela iinkwenkwezi ezili-15 kuphela.



Zingaphi iinkwenkwezi ezishiyekileyo?



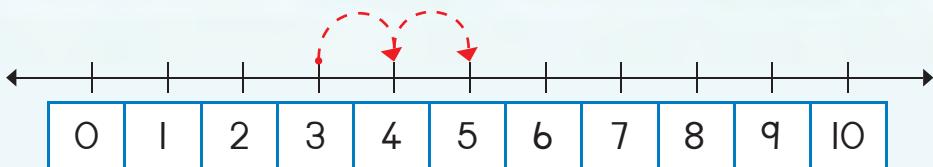
Fakela iimpendulo.



$7 + 2 =$



10 0 1 2 3 4 5 6 7 8 9 10



$$4 + 2 =$$



Khuphela la manani.



Zoba izinto zibe li-15.

15 15 15 15

ishumi elinesihlanu

15 15 15 15



Fakela amanani ashayiwego.

7

11

12

13



15

15

13

12



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? \_\_\_\_\_



11 12 13 14 15 16 17 18 19 20

70



Umhla:

# Ukudibanisa uyokufika kuma -20 - bala uye phambili

Ikota 3

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

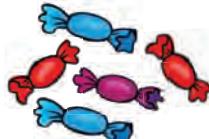
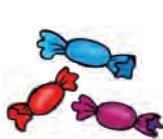
6

zintandathu



Jonga umfanekiso uze ubhale isivakalisi - manani ngomfanekiso ngamnye.

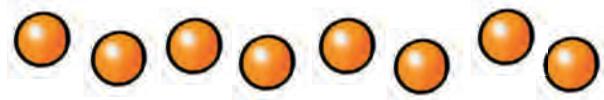
ULisa unelekese ezi -3. UMandla yena unelekese ezi -5. Zingaphi iilekese abanazo zidibene?



Masibale:

3	4	5	6	7	8
...					
<input type="text"/>					

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

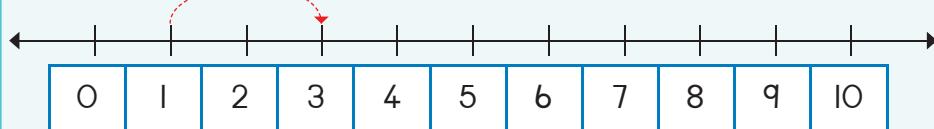


Masibale sibuye umva:

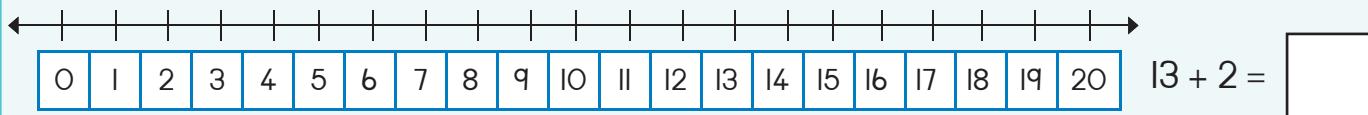
8	7	6	5	4
...				
<input type="text"/>				



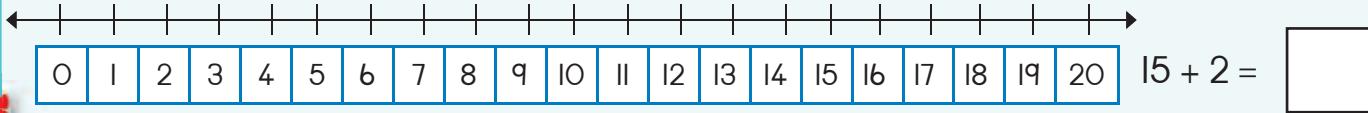
Bhala iimpendulo.



$1 + 2 = \boxed{\phantom{0}}$



$13 + 2 = \boxed{\phantom{0}}$



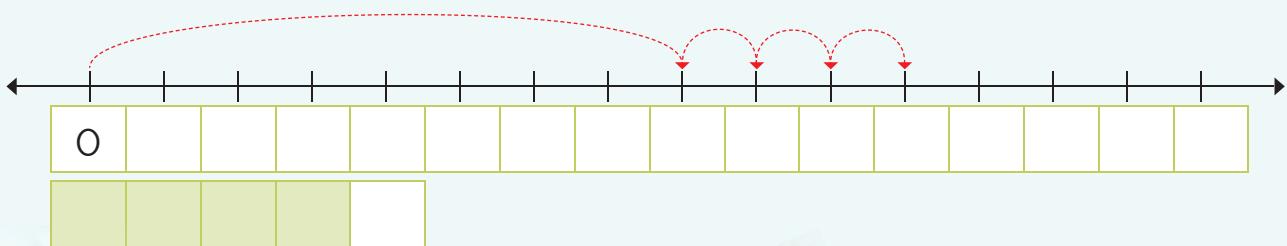
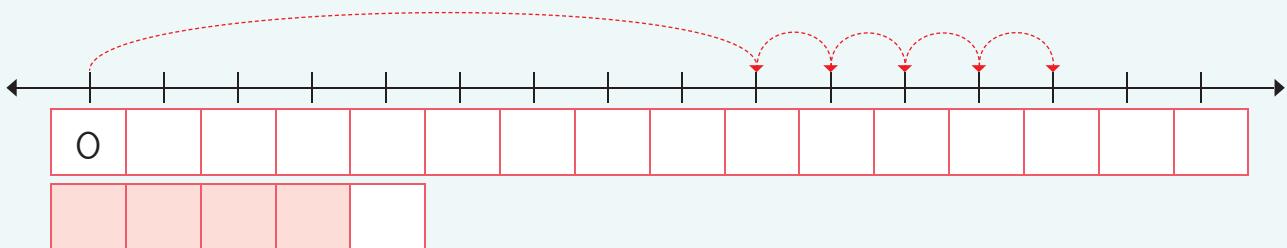
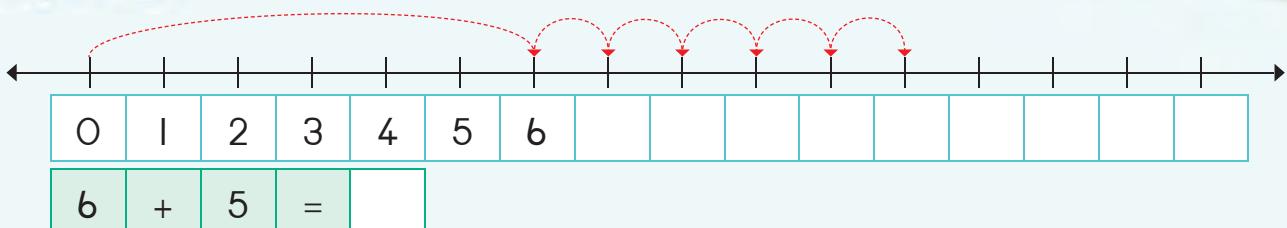
$15 + 2 = \boxed{\phantom{0}}$



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.

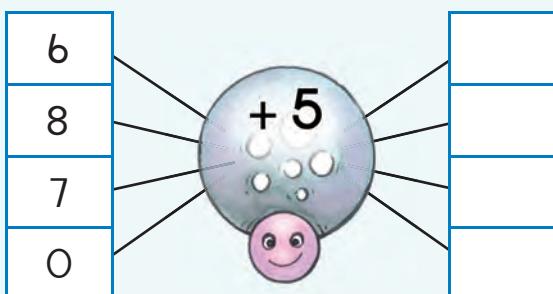


Nceda isigcawu sigqibezele  
esi sibalo.

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

7					
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Ndiza kuba neminyaka eli - \_\_\_\_\_.



Teacher:  
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Date:



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Umhla:

Ikota 3

# Ukudibanisa – ukwakha nokucalula amanani ukuya kwi -10

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

7

zisixhenxe



Bhala impendulo.

$3 + 3 = \square$



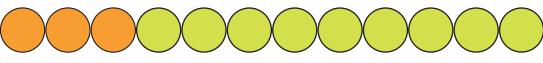
$0 + 5 = \square$



$3 + 2 + 1 = \square$

Fakela imibala ubonise oku  
kulandelayo.

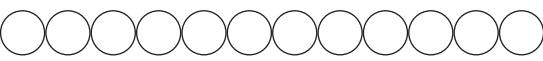
$3 + 9$



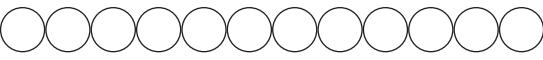
$4 + 8$



$5 + 7$



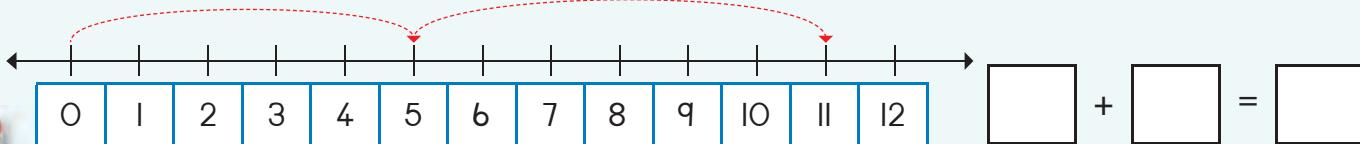
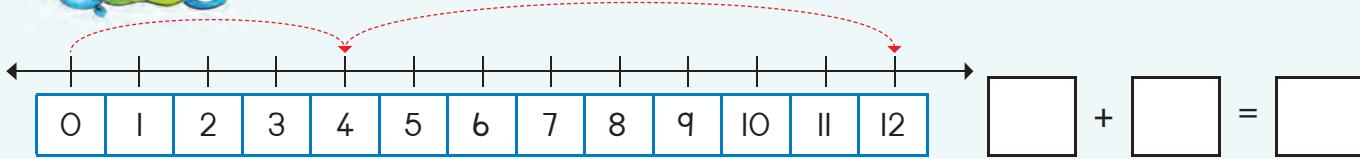
$6 + 6$



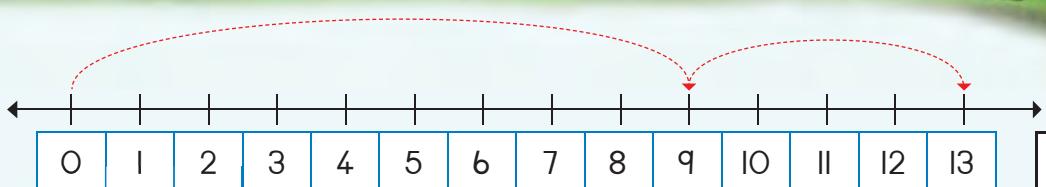
$7 + 5$



Bhala isiphumo soku:



0 1 2 3 4 5 6 7 8 9 10



$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

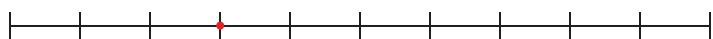


Gqibezela umgca - manani uze ubhale impendulo.



$$0 \quad \boxed{1} \quad 2 \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8 \quad 9 \quad 10$$

$$4 + 5 + 1 = \boxed{\phantom{0}}$$



$$0 \quad \boxed{1} \quad 2 \quad \boxed{3} \quad 4 \quad 5 \quad 6 \quad 7 \quad 8 \quad 9 \quad 10$$

$$3 + 3 + 2 = \boxed{\phantom{0}}$$



$$0 \quad \boxed{1} \quad \boxed{2} \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8 \quad 9 \quad 10$$

$$2 + 4 + 3 = \boxed{\phantom{0}}$$



$$0 \quad \boxed{1} \quad 2 \quad \boxed{3} \quad 4 \quad 5 \quad 6 \quad 7 \quad 8 \quad 9 \quad 10$$

$$4 + 3 + 2 = \boxed{\phantom{0}}$$



Sombulula ezi zibalo ngokuzoba imifanekiso.

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

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

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

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$





# Ukudibanisa – ukwakha nokucalula amanani ukuya kufikelela kwi -15

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

8

zisibhozo

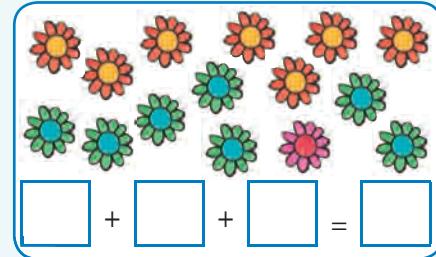
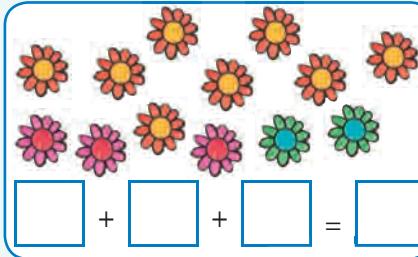
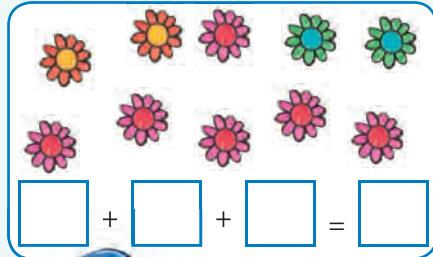


Bhala impendulo.

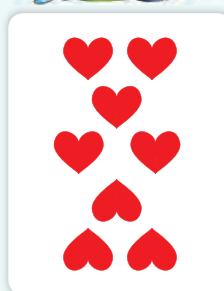
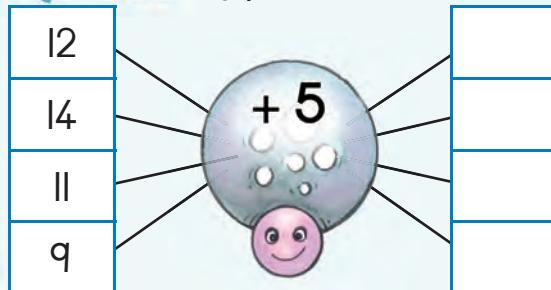
$0 + 2 =$		$2 + 2 =$		$4 + 2 =$		$6 + 2 =$		$8 + 2 =$	
$10 + 2 =$		$12 + 2 =$		$14 + 2 =$		$16 + 2 =$		$18 + 2 =$	



Bhala isivakalisi - manani usebenzise iintyatyambo ezinemibala eyahlukeneyo.

Nceda isigcawu  
sigqibezele izibalo.

Zingaphi iintliziyo?



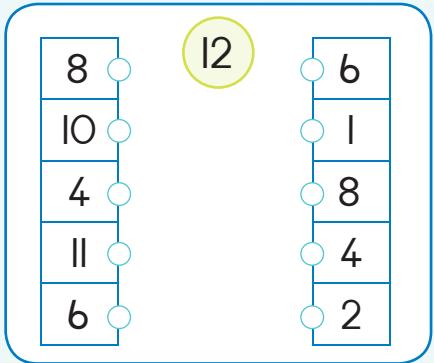
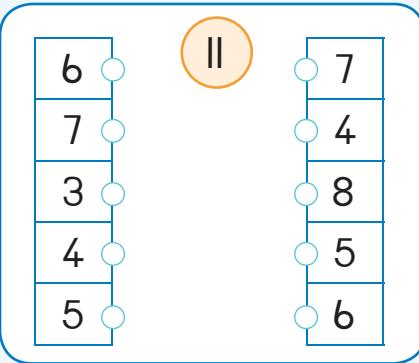
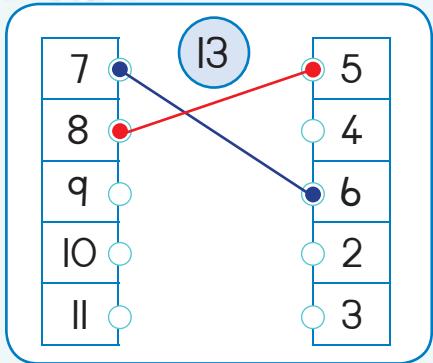
Yenza esakho isibalo.

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

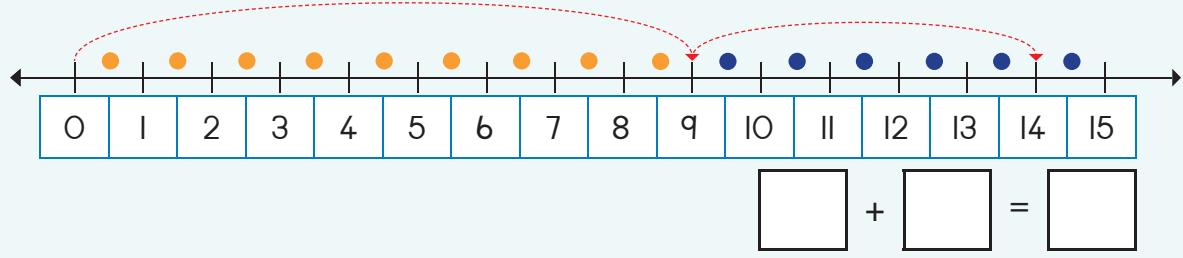
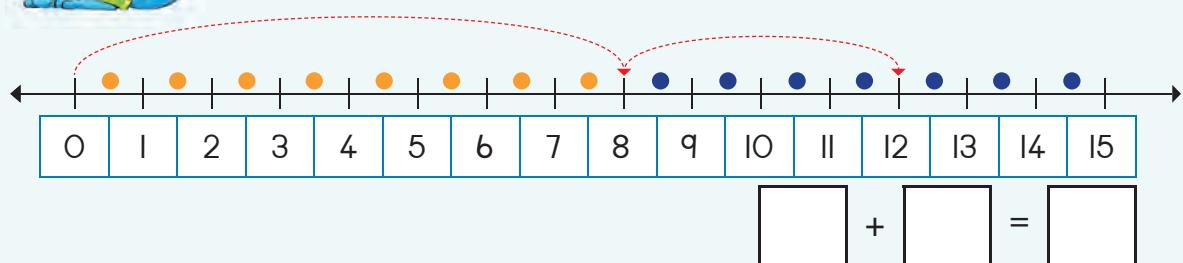




Tshatisa izibini zamanani ukuze wenze la manani alandelayo.

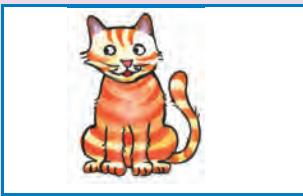


Bhala isivakalisi - manani soku:



Uhlaziyo:

Uhlaziyo: Fakela umbala kwimpendulo echanekileyo.



imbonakalo yangaphambili

imbonakalo yangasemva

imbonakalo yasecaleni



imbonakalo yangaphambili

imbonakalo yangasemva

imbonakalo yasecaleni



imbonakalo yangaphambili

imbonakalo yangasemva

imbonakalo yasecaleni



imbonakalo yangaphambili

imbonakalo yangasemva

imbonakalo yasecaleni



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11 12 13 14 15 16 17 18 19 20



## Ukudibanisa nokuthabatha – ukwakha nokucalula

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

q

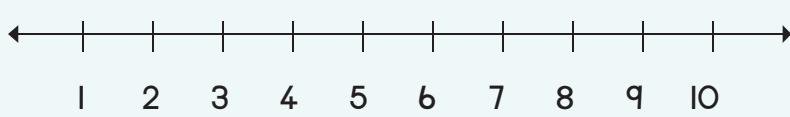
zilithobca



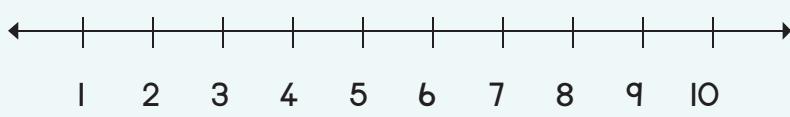
Bhala impendulo.



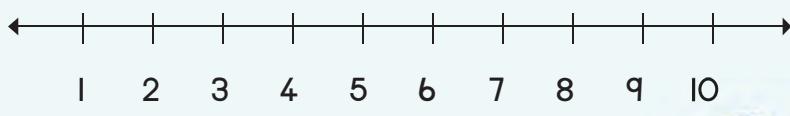
$4 - 1 =$



$5 - 3 =$



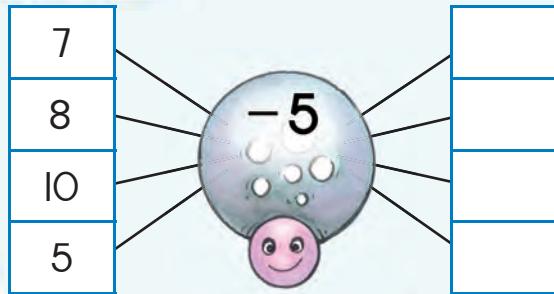
$4 - 2 =$



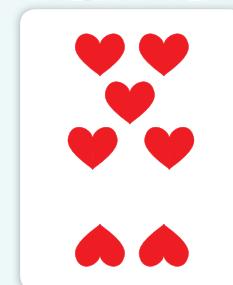
$5 - 2 =$



Nceda isigcawu sigqibezele izibalo.



Zingaphi iintliziyo?



Yenza esakho isibalo.

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



Bala oku kulandelayo.

$$7 + 4 = \boxed{\phantom{00}}$$

$$7 + 4 + 1 = \boxed{\phantom{00}}$$

$$10 + 1 = \boxed{\phantom{00}}$$

$$6 + 6 = \boxed{\phantom{00}}$$

$$6 + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$10 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$13 - 6 = \boxed{\phantom{00}}$$

$$13 - 3 + 3 = \boxed{\phantom{00}}$$

$$10 - 3 = \boxed{\phantom{00}}$$

$$12 - 8 = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} - \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$10 - 3 = \boxed{\phantom{00}}$$



Bhala iimpendulo uze ufaele imibala uzobe.

$$8 + 6 = \boxed{\phantom{00}}$$



Oku singakubonisa ngale ndlela:



$$(8 + 2) + 4 = \boxed{\phantom{00}} \rightarrow 10 + 4 = \boxed{\phantom{00}}$$

$$15 - 7 = \boxed{\phantom{00}}$$



Oku singakubonisa ngale ndlela:



$$(15 - 5) - 2 = \boxed{\phantom{00}} \rightarrow 10 - 2 = \boxed{\phantom{00}}$$

$$9 + 4 = \boxed{\phantom{00}}$$



Oku singakubonisa ngale ndlela:



$$(9 + 1) + 3 = \boxed{\phantom{00}} \rightarrow \boxed{\phantom{00}} \quad \boxed{\phantom{00}}$$

$$14 - 5 = \boxed{\phantom{00}}$$



Oku singakubonisa ngale ndlela:

$$(\quad - \quad) - 1 = \boxed{\phantom{00}} \rightarrow 10 - 1 = \boxed{\phantom{00}}$$

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

10

lishumi

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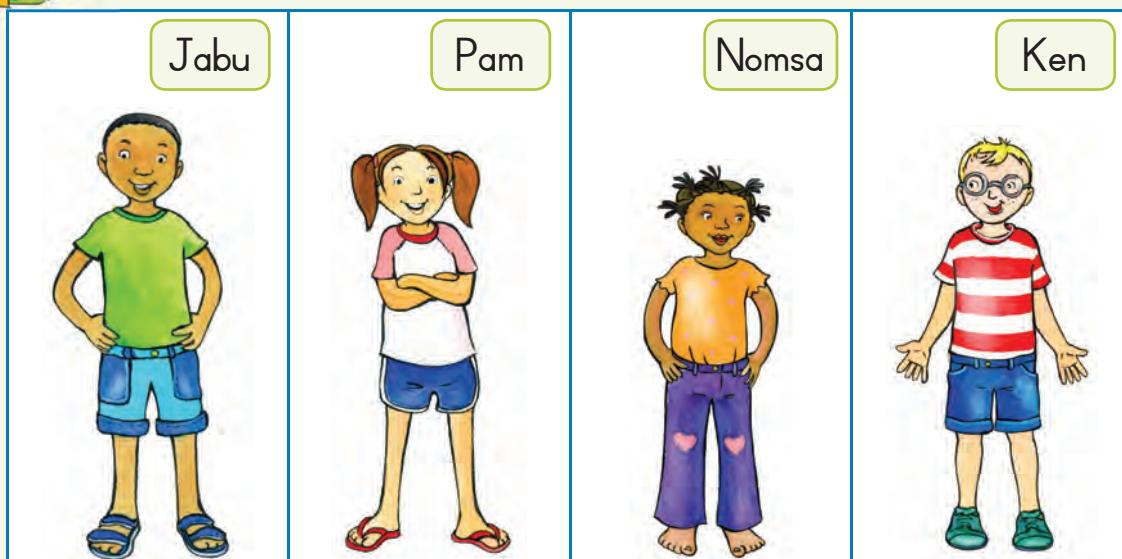
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## Ubude

Ikota 3

Jonga umfanekiso uze uphendule imibuzo.



Ngubani oyena mde?

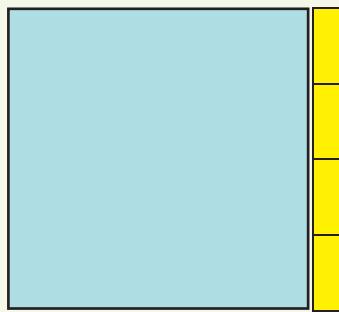
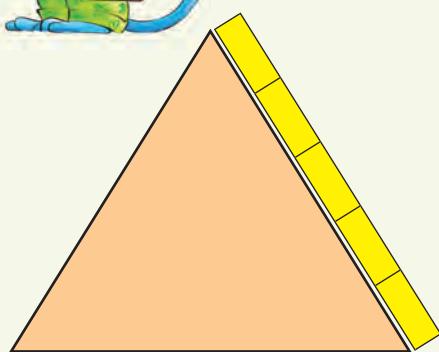
Ngubani eyona nkwenkwe imfutshane?

Ngubani oyena mfutshane?

Ngubani eyona ntombazana inde?



Amacala ezi milo made kangangeebloko ezingaphi?



20

0

1

2

3

4

5

6

7

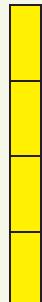
8

9

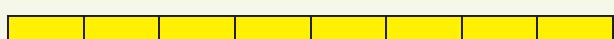
10



Xela ubude nobubanzi betafile ngokweebloko neepenisile.



Ububanzi ziibloko ezi \_\_\_\_\_.



Ubude ziibloko ezi \_\_\_\_\_.



Ububanzi ziibloko ezi \_\_\_\_\_.



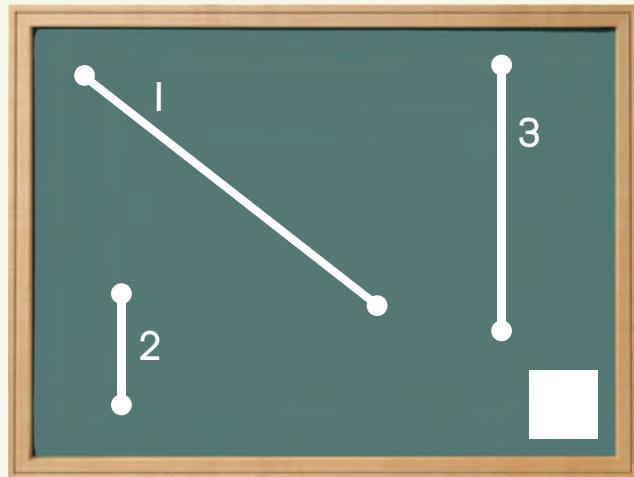
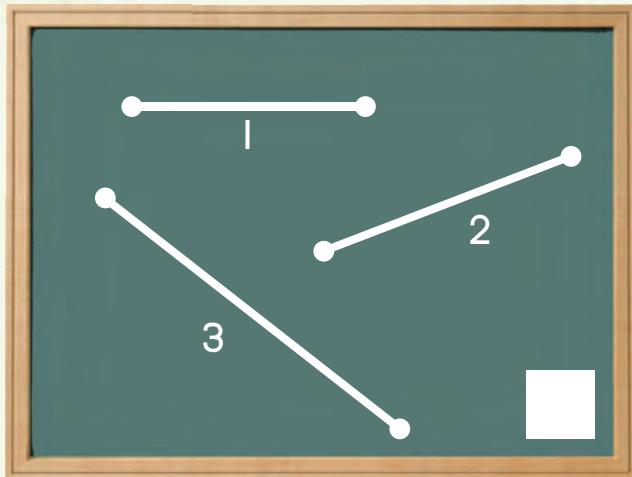
Ubude ziibloko ezi \_\_\_\_\_.



Ngowuphi umgca omfuthane kakhulu?

Ngumgca 1, 2 okanye 3?

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



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Date:



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Ikota 3

## Imali netshintshi



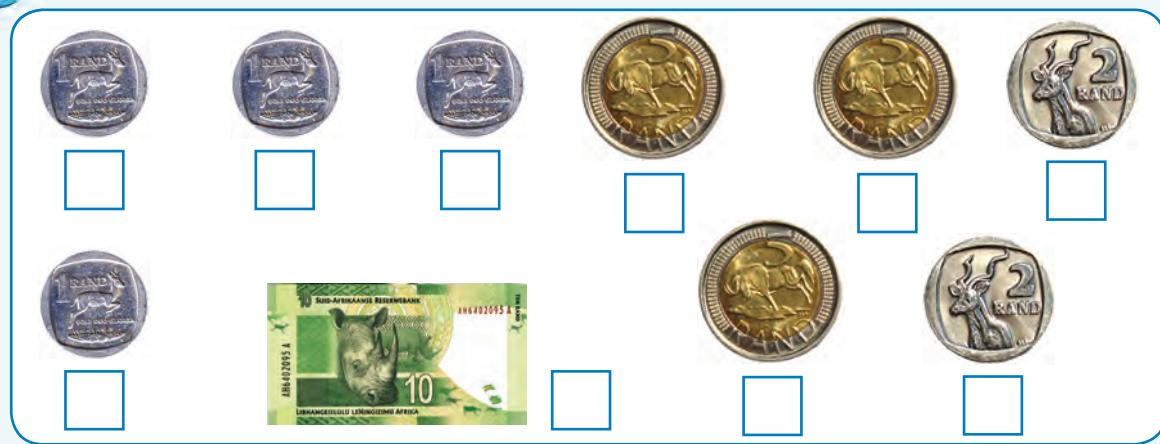
Phawula esona sixa siphezulu kumqolo ngamnye.



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 -RI5:

Ndihlawula

Itshintshi



Bala oku kulandelayo:

$R4 + R7 = RII$

$R4$

$R6 + R9 =$

$R8 + R3 =$

$R2 + RII =$

$R3 + R8 =$

$R6 + R8 =$

$RO + R2 =$

$R2 + R2 =$

$R4 + R2 =$

$R6 + R2 =$

Ndinee -RI5. Ndihlawule ipakethe yeetshiphusi  
ngee -R6. Ndishiyekelwe yimalini?



Yenze ibe nganeno ngee -R2.

RII		R4	
RI2		R6	
RO		R8	



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Zoba iingqekembe zemali ezenza oku:

Ikota 3

RI1	
RI2	
RI3	
RI4	



Phawula uze  
ubhale impendulo  
echanekileyo.

$$RI8 - R8 = \boxed{\phantom{00}}$$



$$RI2 - R2 = \boxed{\phantom{00}}$$



$$RI5 - R4 = \boxed{\phantom{00}}$$



$$RI4 - R7 = \boxed{\phantom{00}}$$



Bala oku kulandelayo:

$$RI5 - RIO = \boxed{\phantom{00}}$$

$$RIO - RI - RI - R2 = \boxed{\phantom{00}}$$

$$R2O - R2 - R8 = \boxed{\phantom{00}}$$

$$R5 - R4 = \boxed{\phantom{00}}$$

$$R2O - R5 = \boxed{\phantom{00}}$$

$$RIO - RI - R5 - R2 = \boxed{\phantom{00}}$$





Bala oku kulandelayo.

Ndinee -R15. Ndithenge nge -	Ndishiyekelewe 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 -RII.  
Zoba umfanekiso ubonise ukuba ushiyekelwe yimalini.



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Sign:

Date:





## Imali: Ukudibanisa nokuthabatha



Bala oku kulandelayo:

$RIO + R2 =$	
$RIO + R4 =$	
$R9 + R5 =$	
$RI2 + R5 =$	

$RIO + R5 =$	
$RIO + R7 =$	
$R8 + R4 =$	
$RI4 + R2 =$	

$RIO + RI =$	
$RIO + R6 =$	
$R7 + R6 =$	
$RII + R6 =$	



Bala oku kulandelayo:

$RIO - R7 =$	
$RI5 - RI =$	
$RI2 - R2 =$	
$RI5 - R6 =$	

$RIO - R2 =$	
$RI5 - RI5 =$	
$RI4 - R7 =$	
$RI2 - R9 =$	

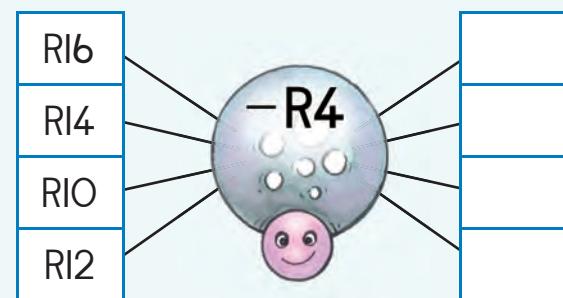
$RIO - R5 =$	
$RI5 - R2 =$	
$RI6 - R6 =$	
$RI4 - R4 =$	



Nceda isigcawu sigqibezele zonke izibalo.



Yenze ibe ngaphantsi ngee -R2.



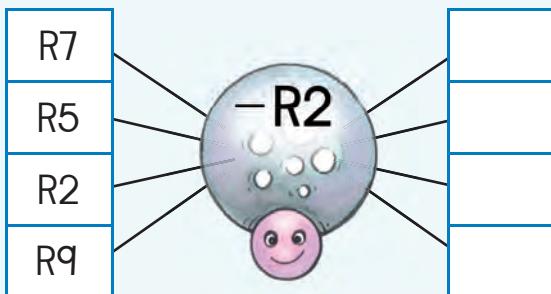
$$R4 - R2 = \boxed{\phantom{0}}$$



$$R7 - R2 = \boxed{\phantom{0}}$$



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?

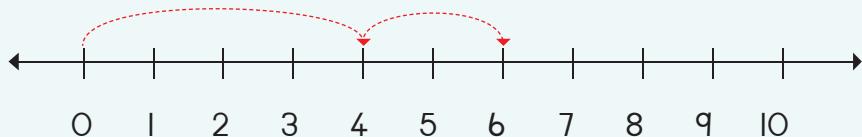


Ndigcine malini?



Bonisa isibalo kumgca - manani uze ubhale impendulo.

$$R4 + R2 = \boxed{\phantom{0}}$$



$$R8 + R2 = \boxed{\phantom{0}}$$



11

12

13

14

15

16

17

18

19

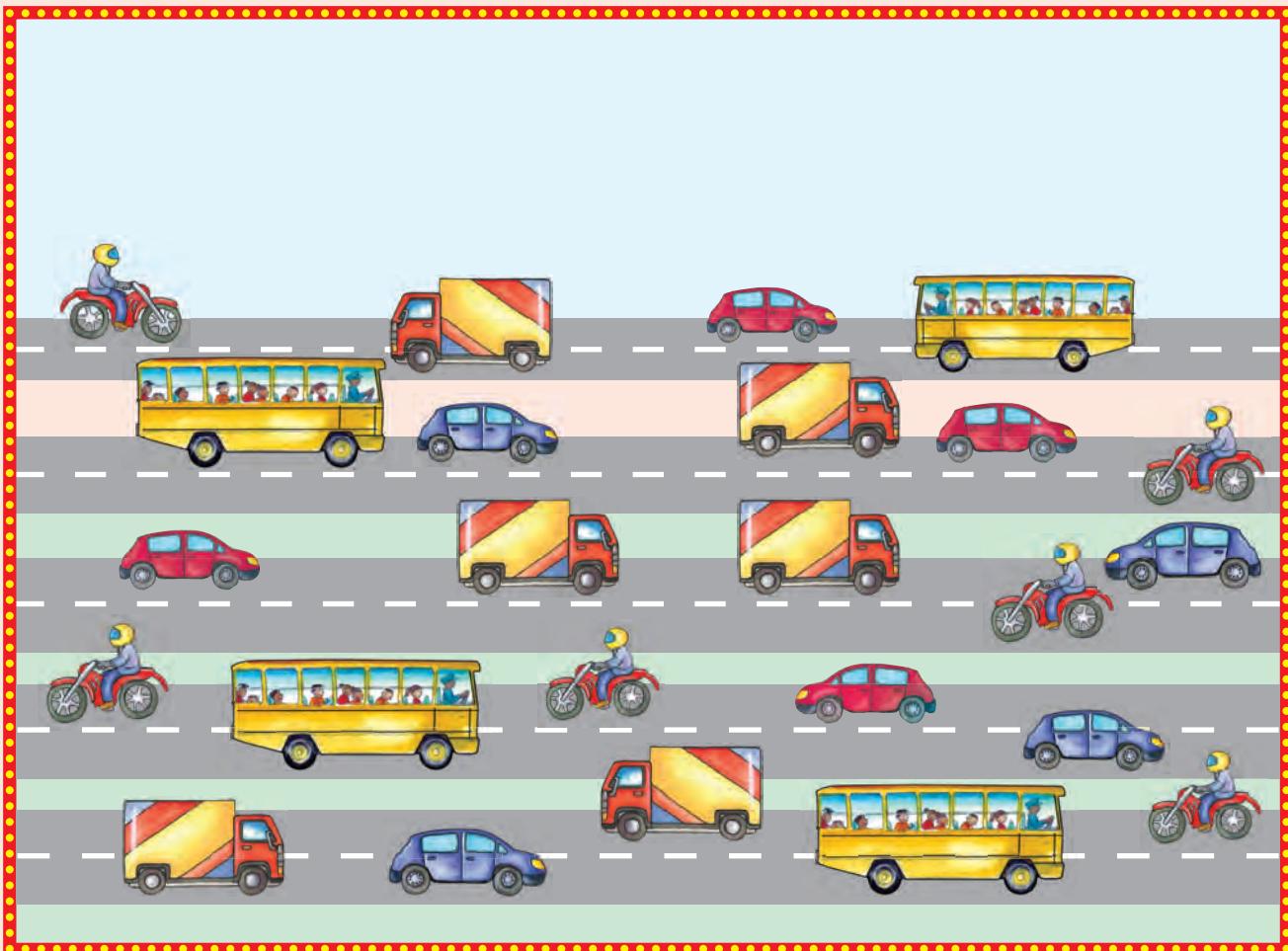
20



# Iinkcukacha

Bala ukuba zingaphi izithuthi ozibonayo kuhlobo ngalunye.

Umhla:





Bala iimilo uze ufakele imibala kwitshathi engasezantsi ubonise ukuba zingaphi ezikhoyo kuhlobo ngalunye.  
Wakugqiba phendula imibuzo.



5					
4					
3					
2					
1					
	▲	●	■	◆	★

Ezona zininzi \_\_\_\_\_.

Ezona zimbalwa \_\_\_\_\_.

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Date:

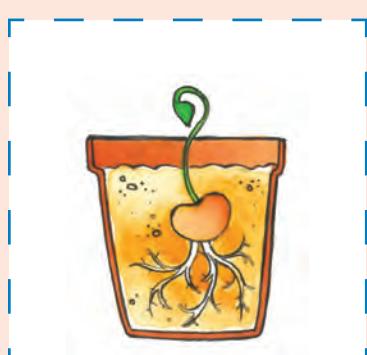
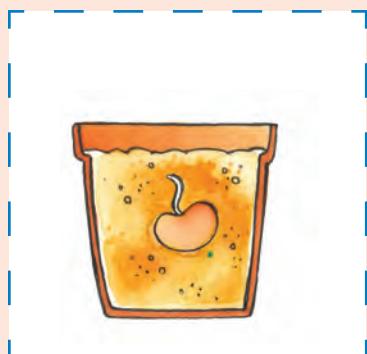
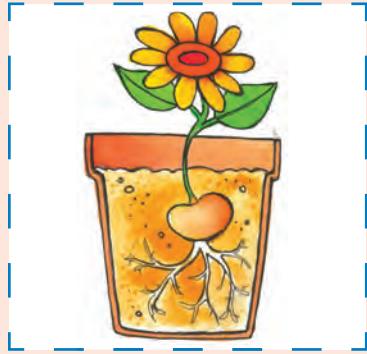




## Iinkcukacha nexesha

Ncokola ngale mifanekiso uze uyibeke ngokulandelelana kwayo kakuhle.

Umhla:



1

2

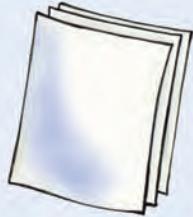
3

4





Sebenzisa amakhadi okuhlela akuMsiko I ugqibezele le grafu yemifanekiso.



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# Amaqela ezihlanu ukuya kufikelela kwi-15

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

5

zintlanu



Jonga umfanekiso uze uphendule umbuzo.



Jonga umfanekiso.

Singakubhala ngolu hlolo 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

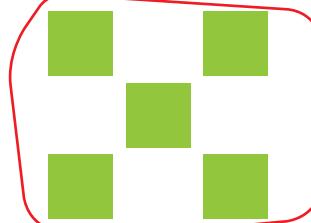
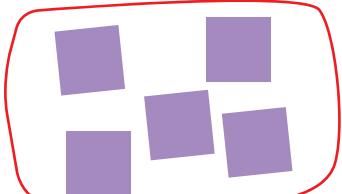


Biyela ngezangqa ezi zinto  
ukuze wenze oku:

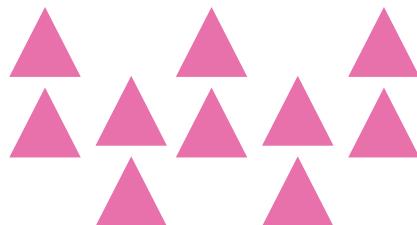


Bhala izivakalisi - manani  
zoku:

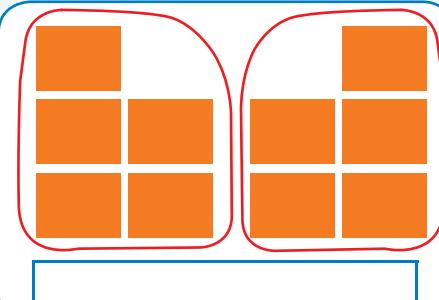
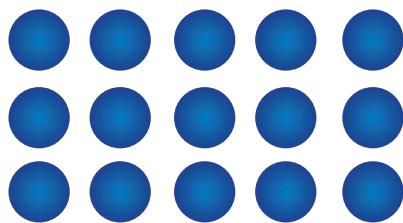
Iqela eli - I lesi - 5



Amaqela ama - 2 ezi - 5



Amaqela ama - 3 ezi - 5



Mangaphi amaqela ezhilanu ongawenzayo?

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



81



Umhla:

## Tzihlantu: ukudibanisa okuphindiweyo ukuya kwi-15

Ikota 3

Uhlaziyo:

Uhlaziyo: Fakela amanani ashijiweyo.



Zingaphi iinzwane okanye iminwe ekhoyo?

Bhala isivakalisi - manani.



Iqela leebbanana ezintlanu

Zoba:



Zoba iimilo.

Amaqela amabini eentyatyambo  
ezintlanu liliye

$$\boxed{5} + \boxed{5} = \boxed{10}$$

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



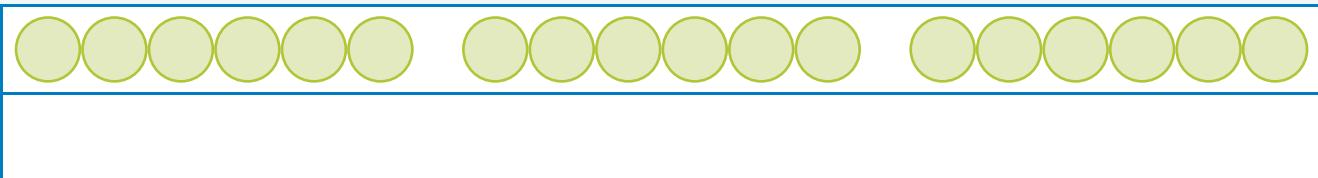




Biyela uze ubale ukuba mangaphi amaqela ezihlalu  
onokuwenza kwikhadi ngalinye.



Bhala isivakalisi - manani:



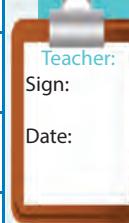
Sebenzisa imibala eyahlukeneyo ubonise amanani oza kuwasebenzisa  
ekwenzeni amaqela ezihlalu.

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5					



Mangaphi amaqela ezihlalu onokuwenza?

I	ne	I4	ziza kwenza amaqela	
I3	ne	2	ziza kwenza amaqela	
8	ne	2	ziza kwenza amaqela	
7	ne	8	ziza kwenza amaqela	
9	ne	2	ziza kwenza amaqela	





Umhla:

Ikota 3



Fakela amanani ashiiyiweyo.

I		3		5		7	8	q	
II	I2								



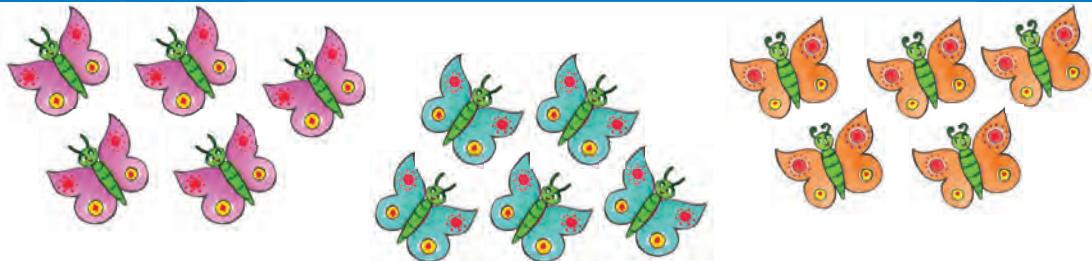
Yenza amaqela ezihlanu. Ubhantom ngamnye kufuneka abe neqela lamachokoza amahlanu kwiphiko ngalinye.  
Zoba amachokoza angekhoyo.



36



Bhala isivakalisi - manani.



Bala.

$$0 + 5 = \boxed{\phantom{0}}$$

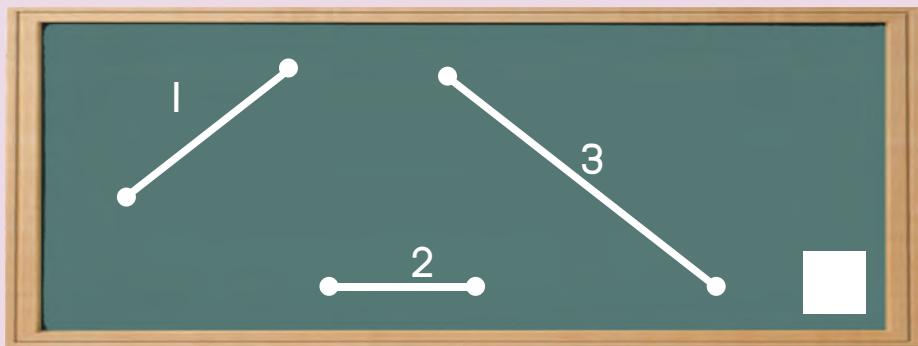
$$5 + 5 + 5 = \boxed{\phantom{0}}$$

$$5 + 5 = \boxed{\phantom{0}}$$

$$5 + 5 + 5 + 5 = \boxed{\phantom{0}}$$

Uhlaziyo:

Uhlaziyo: Ngowuphi owona mgca umde?





Umhla:

## Iipatheni zamanani zezihlanu ukuya kutsho kuma - 50

Ikota 3

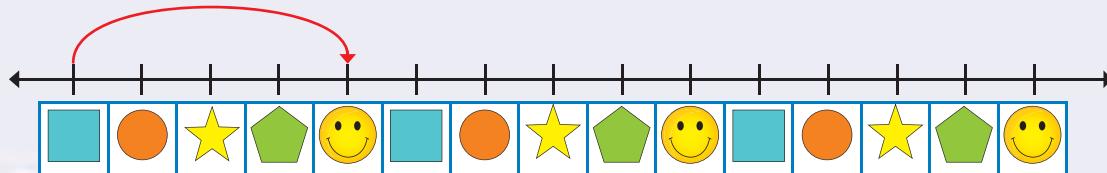


Gqibezela iipatheni zezihlanu ngokufakela imibala kula manani.

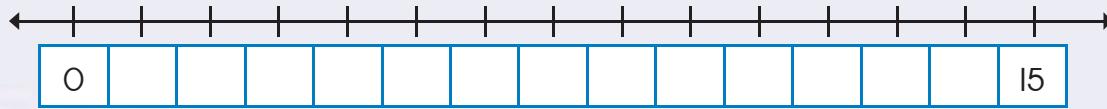
I	2	3	4	5	6	7	8	9	10
II	12	13	14	15	16	17	18	19	20
2I	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50



Zoba izazinge ubonise amaqela ezihlanu.

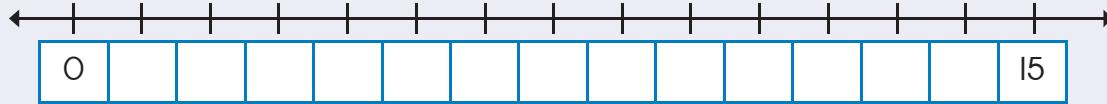


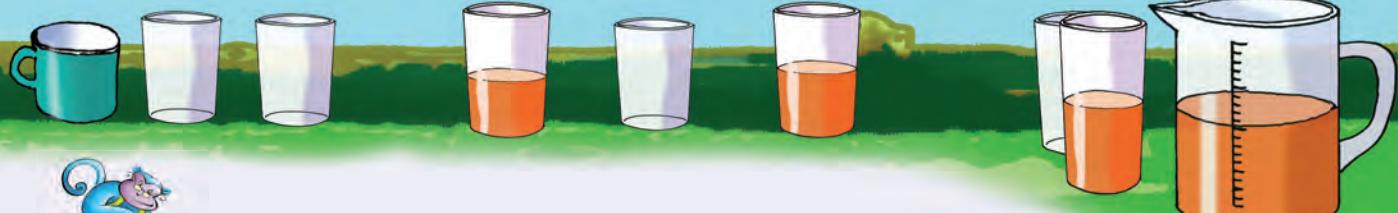
Bhala amanani ashiiyiweyo uze wenze izazinge ubonise amaqela ezihlanu.



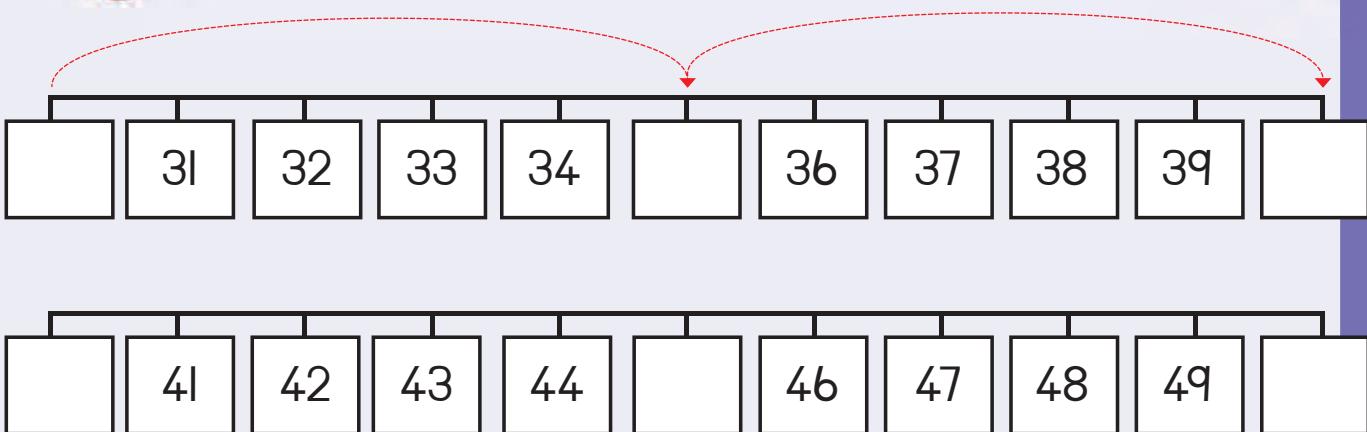
Gqibezela umgca-manani. Zoba izazinge ubonise amaqela ezihlanu.

Kukho amaqela ezihlanu a  .



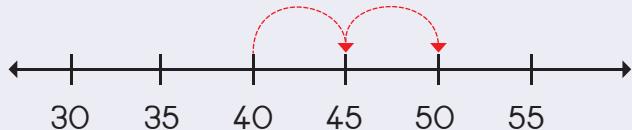


Sika amanani ashijiweyo kuMsiko 2 uze uwafake kumgca - manani.



Zoba izazinge ubonise oku:

40, 45, 50



10, 15, 20



25, 30, 35



Teacher:  
Sign:  
Date:





Umhla:

Ikota 3

## Tipatheni zamanani zezihlanu ukuya kutsho kuma -80



Mangaphi amaqela ezihlanu owabonayo emfanekisweni?



Gqibezela le mifanekiso ubonise amaqela ezihlanu.



40

0

1

2

3

4

5

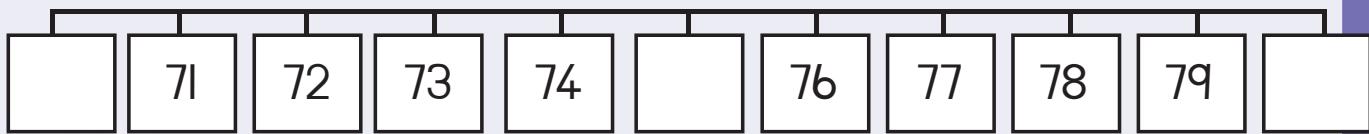
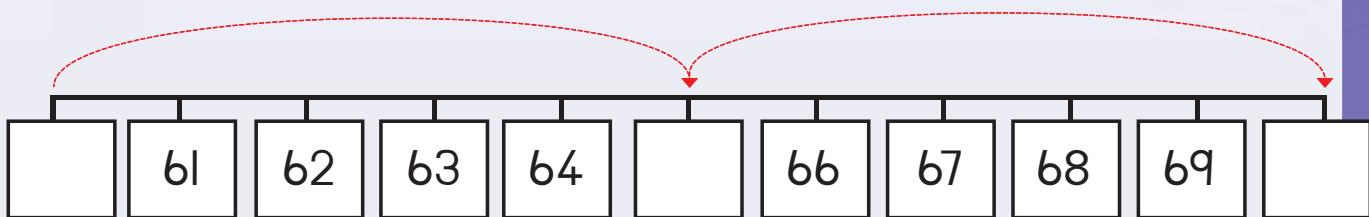
6

7

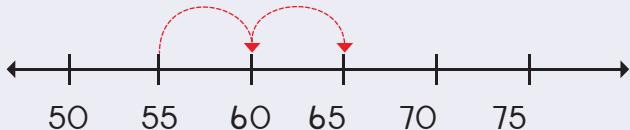
8

9

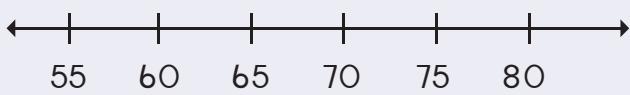
10



55, 60, 65



65, 70, 75



70, 75, 80



Teacher:  
Sign:  
Date:





Umhla:

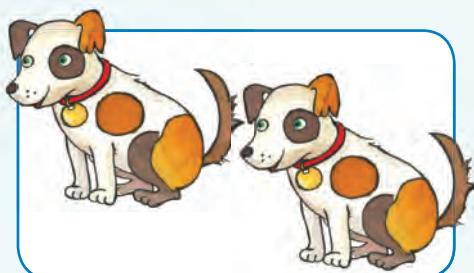
## Iziphindwa kabini



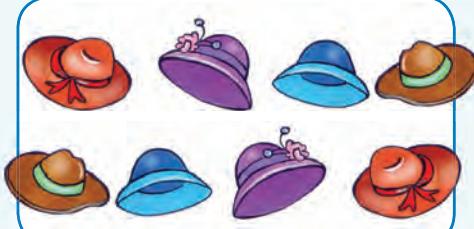
Phinda kabini ezi zinto uze ubhale impendulo.



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 =





Sithi ezi-6 eziphindwe kabini zenza i-12. Iza kuba ngubani ke isiqingatha se-12? \_\_\_\_\_

Gqibezela:

Mangaphi amavili owabonayo?



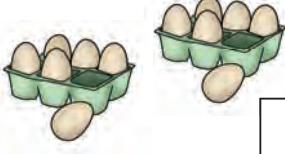

Mangaphi amavili owabonayo ngoku?




Mangaphi amaqanda asetryini?




Mangaphi amaqanda akhoyo ngoku?





Bala amachokoza uze uwaphinde kabini.



Phinda kabini amanani.

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

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?

C	Mv	Lb	Lt	Ln	Lhl	Mgq

Zingaphi iintsuku kwiiveki ezimbini?

C	Mv	Lb	Lt	Ln	Lhl	Mgq

Zingaphi iinyawo ozibonayo?




Zingaphi iinyawo ozibonayo ngoku?




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	

11

12

13

14

15

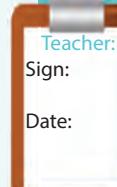
16

17

18

19

20



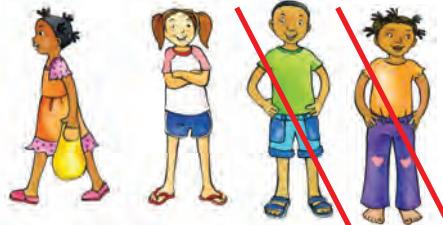


Umhla:

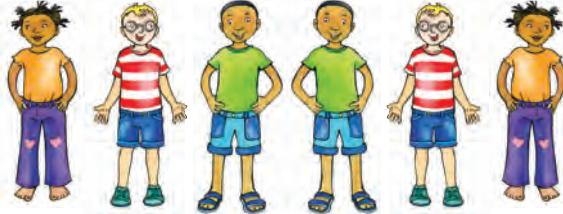
Ikota 3



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 = \_\_\_\_\_



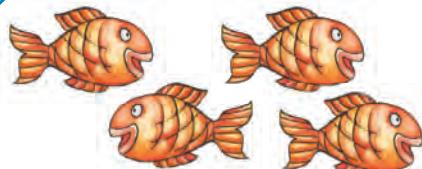
Isiqingatha sezi - 6 sisi = \_\_\_\_\_



Isiqingatha  
se - 10 sisi = \_\_\_\_\_

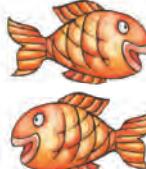


Zingaphi  
iintlanzi  
ezikhoyo?





Sithini/Ngubani  
isiqingatha  
seentlanzi?





Bala amachokoza uze uwahlule kubini.

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



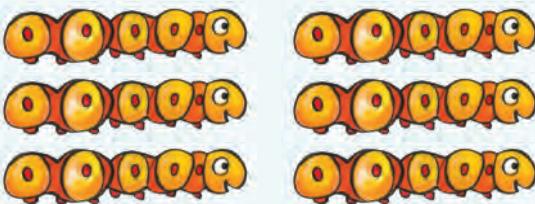
Yahlula kubini  
amanani.



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



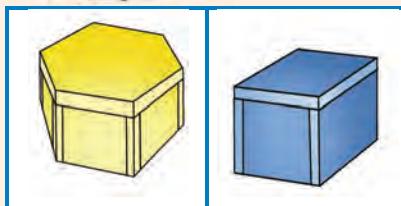


Umhla:

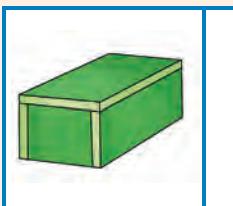


## Izinto ezinemilinganiselo emi-3 (3D)

Phawula eyona incinane.

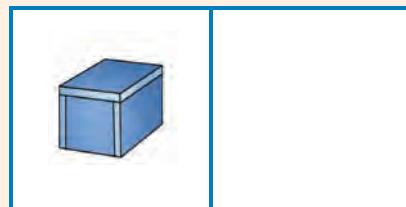






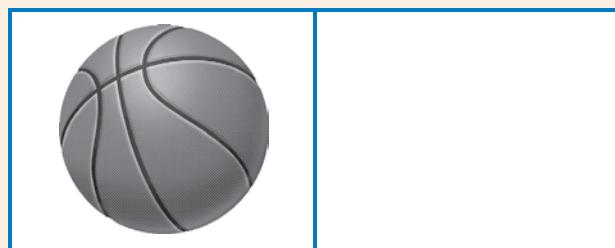
Zoba enkudlwana kwicala langasekunene lomfanekiso ngamnye.



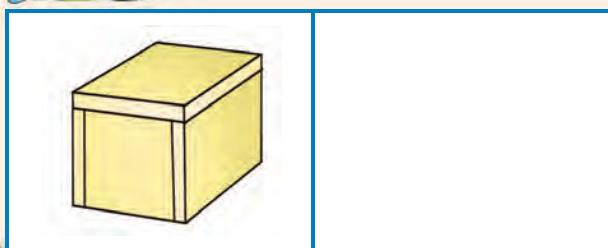
Zoba ibhola enkudlwana kunebhola ezuba.



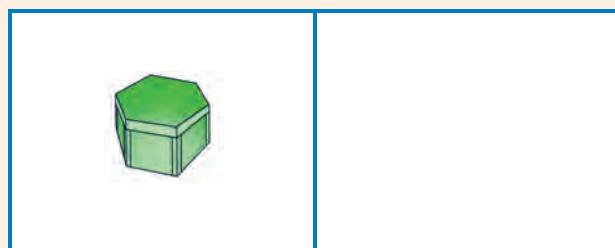
Zoba ibhola encinane kunebhola engwevu.



Zoba ibhokisi encinane kunebhokisi emthubi.

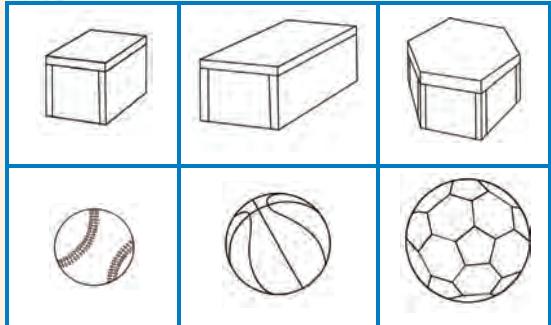


Zoba ibhokisi enkudlwana kunebhokisi eluhlaza.

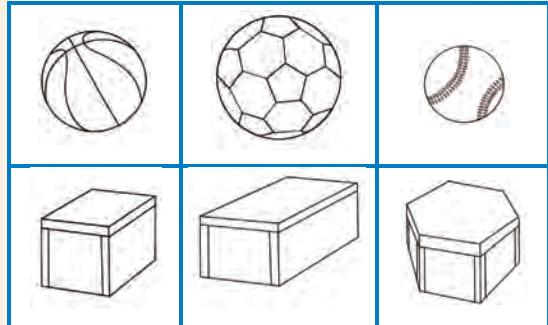




**5** Faka umbala ozuba kweyona  
bhokisi incinane uze ufake omthubi  
kweyona bhola incinane.



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 uyincamatheleise ukuze uzenzele iincochoyi zakho  
ezimbini.

Khumbula ukuba ezi  
ncochoyi kufuneka  
zingawi.



Teacher:  
Sign:

Date:





Umhla:



## 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:



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Umhla:

Ikota 3

## Iipatheni zejometri

Uhlaziyo:

Zoba ezi zinto:

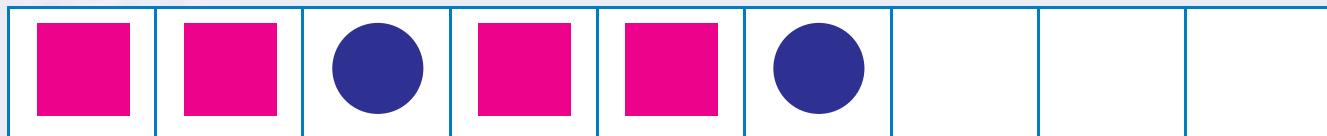
uxande

isikwere

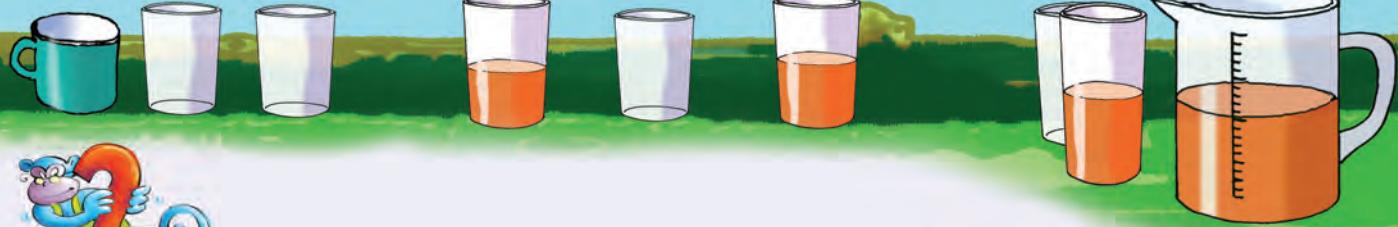
isangqa



Gqibezela ipatheni.



0 1 2 3 4 5 6 7 8 9 10



Zoba imifanekiso ukuze uqhubeka nepatheni.




Zoba eyakho ipatheni.

--



Ncamathelisa imifanekiso wenze eyakho ipatheni.

--



Gqibezela le patheni.

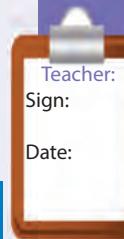
A	B	C	A	B	C				A	B	C
---	---	---	---	---	---	--	--	--	---	---	---

|| 12 13 14 15 16 17 18 19 20

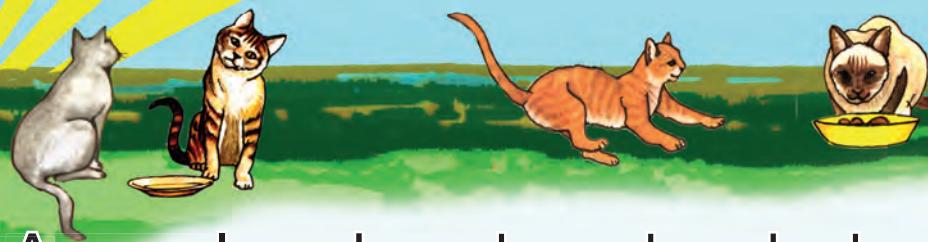


Teacher:  
Sign:

Date:



90



Umhla:

Ikota 3

## Amaqela ezibini ukuya kutsho kwi-15



Bhala eli nani ngamagama.

2

zimbini



Phendula imibuzo.

Bangaphi oonombombiya obabonayo?



Zingaphi izibini zamanqina ozibonayo?



Phendula imibuzo.

Zingaphi iincwadi ezikhoyo?



Ndingenza amaqela ezibini amangaphi?

Bhala isivakalisi - manani.



Bhala inani ngamagama.

4



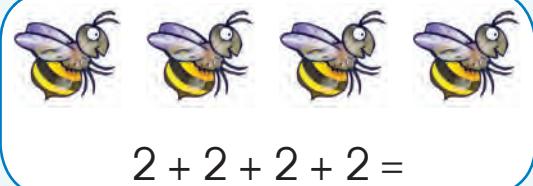
Bala amaphiko, wakuggiba bhala impendulo yakho.



$2 + 2 =$



$2 + 2 + 2 =$



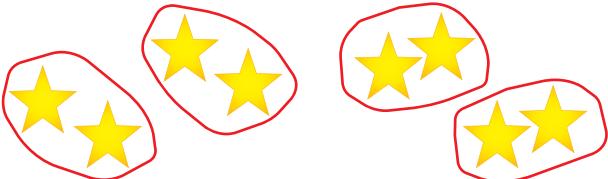
$2 + 2 + 2 + 2 =$



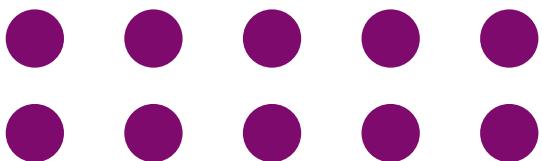


Biyela ngezangqa ukuze wenze:

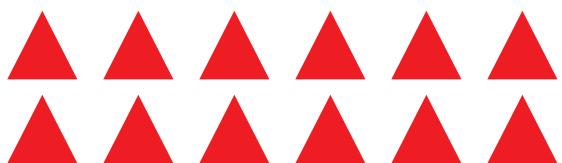
Amaqela ama - 4 ezi - 2



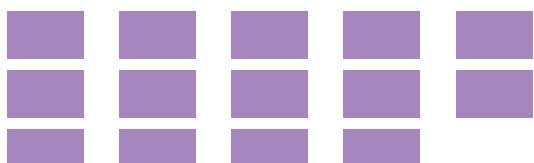
Amaqela ama - 5 ezi - 2



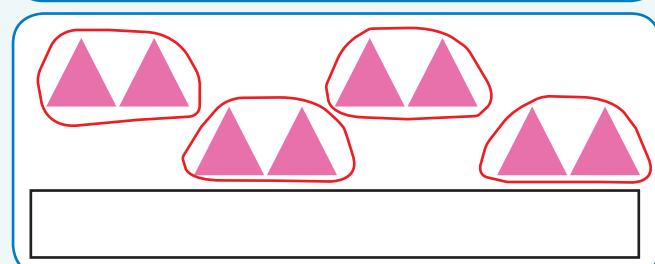
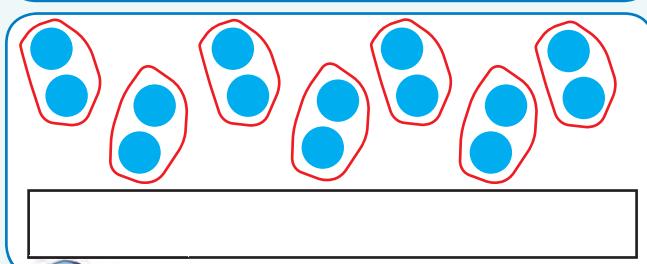
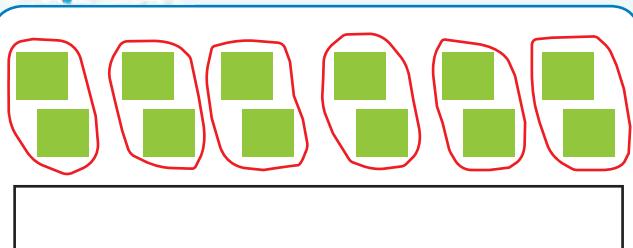
Amaqela ama - 6 ezi - 2



Amaqela asi - 7 ezi - 2



Bhala isivakalisi - manani.



Mangaphi amaqela ezibini onokuwenza?

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

i-12 ne - l zingenza	amaqela a
Ezi - 5 ne - l zingenza	amaqela a
u - l ne - l bangenza	iqela eli
i-10 ne - O zingenza	amaqela a



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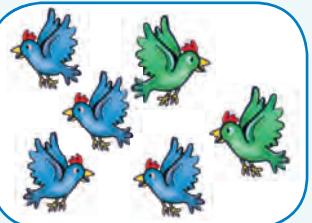
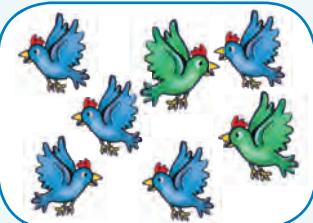
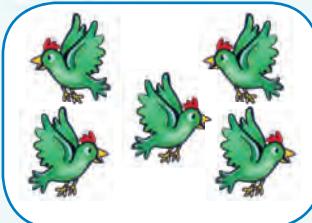
Umhla:

## Ukudibanisa izibini eziphindiweyo ukuya kutsho kwi - 15

Ikota 3



Mangaphi amanqina akhoyo?

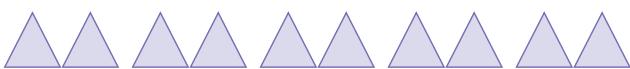


Uwabale njani?



Zoba iimilo ubonise oku kulandelayo:

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



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



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



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

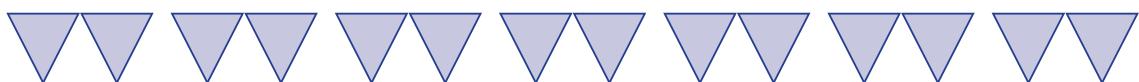




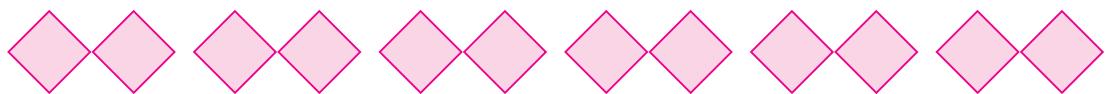
Bhala izivakalisi - manani.



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









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	I2	I3	I4	I5					





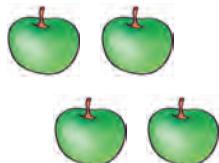
Fakela amanani ashiiyiweyo.

- |    |                       |                       |    |                       |                       |    |                       |                       |   |                       |                       |   |                       |
|----|-----------------------|-----------------------|----|-----------------------|-----------------------|----|-----------------------|-----------------------|---|-----------------------|-----------------------|---|-----------------------|
| I  | <input type="radio"/> | <input type="radio"/> | 3  | <input type="radio"/> | <input type="radio"/> | 5  | <input type="radio"/> | <input type="radio"/> | 7 | <input type="radio"/> | <input type="radio"/> | 9 | <input type="radio"/> |
| II | <input type="radio"/> | <input type="radio"/> | I3 | <input type="radio"/> | <input type="radio"/> | I5 | <input type="radio"/> | <input type="radio"/> |   | <input type="radio"/> | <input type="radio"/> |   | <input type="radio"/> |

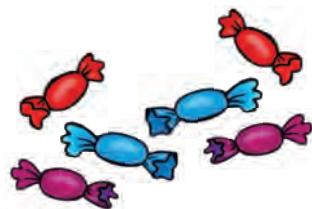


Yenza amaqela ezibini.

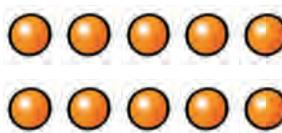
Biyela ngesangqa iqela ngalinye lezibini.



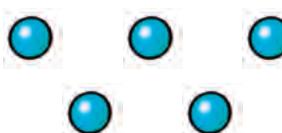
Mangaphi amaqela ama-apile  
akhoyo?  
Uza kufumana ama-apile amangaphi  
umntwana ngamnye?

Mangaphi amaqela eelekese  
akhoyo?  
Uza kufumana iilekese ezingaphi  
umntwana ngamnye?

Mangaphi amaqela  
amapetyu akhoyo?  
Uza kufumana amapetyu  
amangaphi umntwana  
ngamnye?

Mangaphi amaqela amapetyu  
akhoyo?  
Uza kufumana amapetyu  
amangaphi umntwana ngamnye?

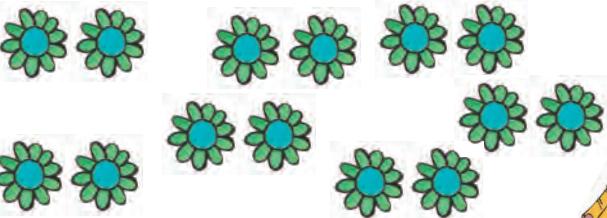
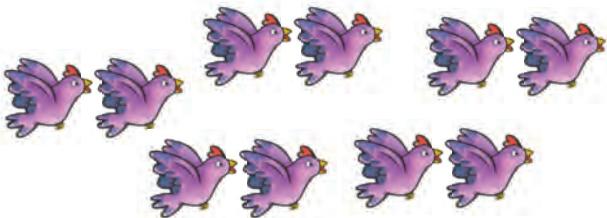
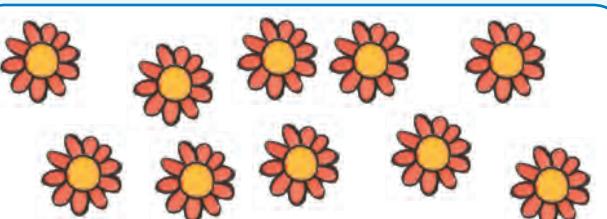
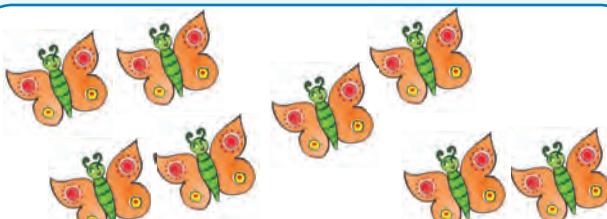


Fakela amanani  
ashiyjweyo.

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



Bhala isivakalisi - manani usebenzise izibini.

 $2 + 2 + 2 + 2 + 2 + 2 + 2 =$ <input type="text" value="14"/>	 <input style="width: 100px; height: 30px; border: 1px solid black; margin-bottom: 5px;" type="text"/> <input style="width: 30px; height: 30px; border: 1px solid black;" type="text"/>
 <input style="width: 100px; height: 30px; border: 1px solid black; margin-bottom: 5px;" type="text"/> <input style="width: 30px; height: 30px; border: 1px solid black;" type="text"/>	 <input style="width: 100px; height: 30px; border: 1px solid black; margin-bottom: 5px;" type="text"/> <input style="width: 30px; height: 30px; border: 1px solid black;" type="text"/>

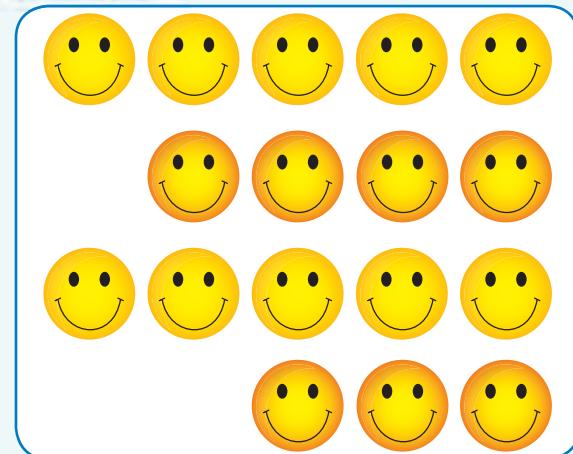


Bala:

$2 + 2 + 2 =$ <input style="width: 30px; height: 30px; border: 1px solid black;" type="text"/>
$2 + 2 + 2 + 2 =$ <input style="width: 30px; height: 30px; border: 1px solid black;" type="text"/>
$2 + 2 + 2 + 2 + 2 =$ <input style="width: 30px; height: 30px; border: 1px solid black;" type="text"/>
$2 + 2 + 2 + 2 + 2 + 2 =$ <input style="width: 30px; height: 30px; border: 1px solid black;" type="text"/>
$2 + 2 + 2 + 2 + 2 + 2 + 2 =$ <input style="width: 30px; height: 30px; border: 1px solid black;" type="text"/>



Biyela amaqela ezbini  
kumgca ngamnye.



Teacher:  
Sign:  
Date:



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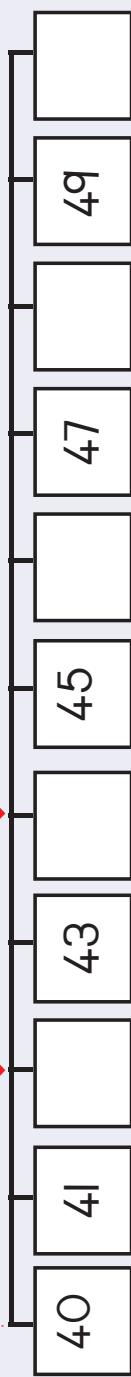
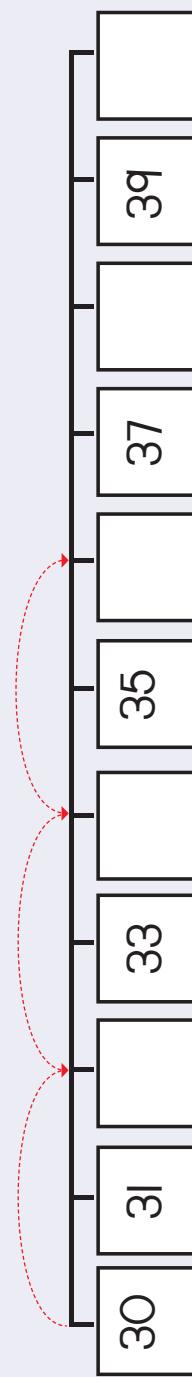


Umhla:

## Iipatheni zamanani: izi - 2 ukuya kuma - 50



Sika amanani ashiyiwego kuMsiko 2 uze uwancamathelese kumgca - manani.  
Gqibezela nezazinge.



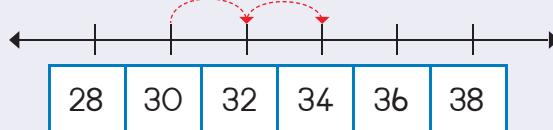
Gqibezela ipatheni ngokufakela imibala  
kumanani achanekileyo.

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

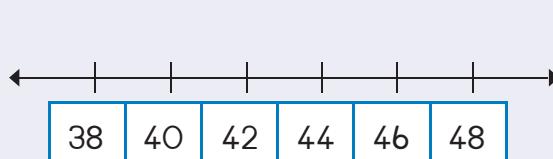


Zoba izazinge ubonise oku  
kulandelayo:

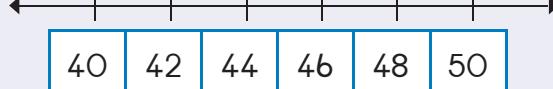
30, 32, 34



40, 42, 44

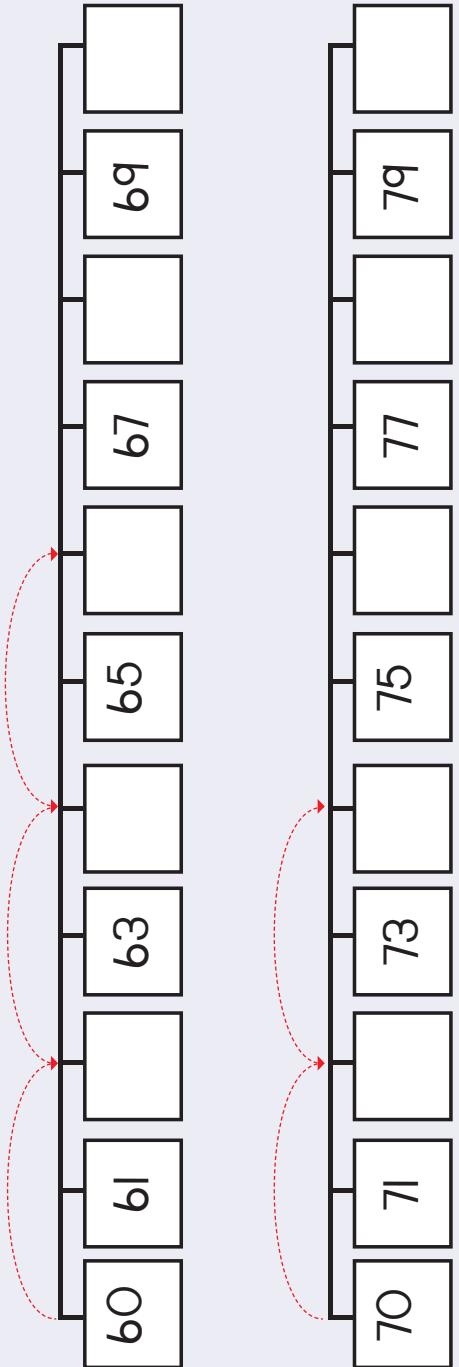


46, 48, 50





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



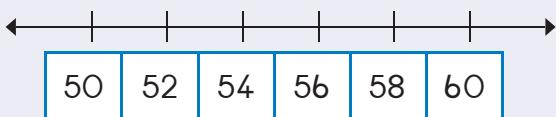
Gqibezela ipatheni ngokufakela  
imibala kumanani achanekileyo.

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



Zoba izazinge ubonise oku  
kulandelayo:

54, 56, 58



64, 66, 68



72, 74, 76



Teacher:  
Sign:  
Date:



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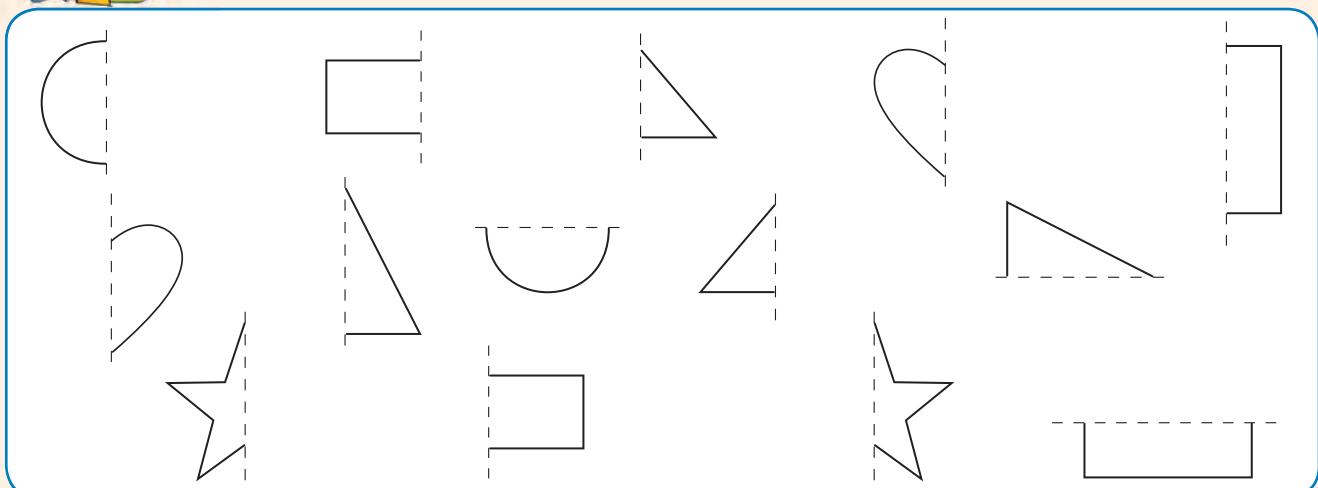
Umhla:

Ikota 3

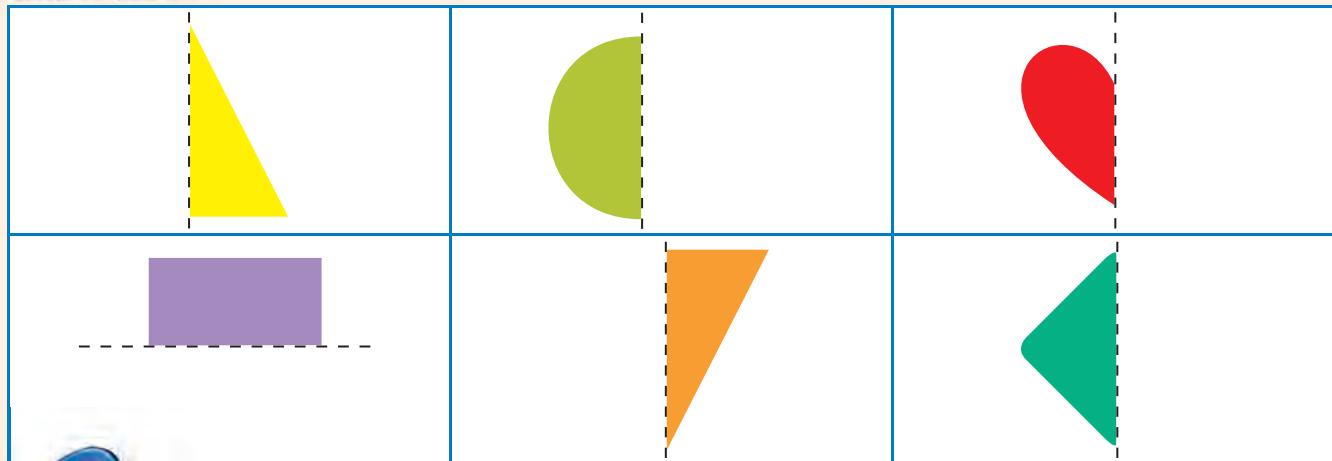
## Umatwa-totse



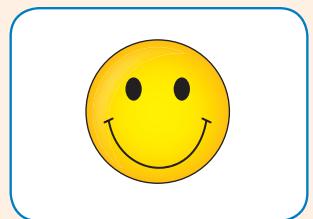
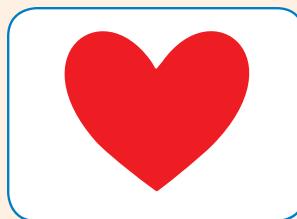
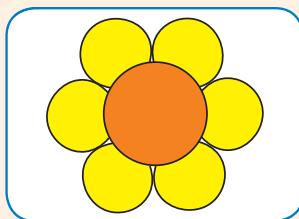
Faka umbala kwiiinxaleny zeemilo eziza kwenza imilo enye.



Zoba esinye isiqingatha uze usifakele umbala.



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



60

0

1

2

3

4

5

6

7

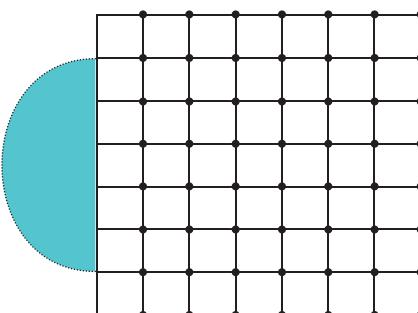
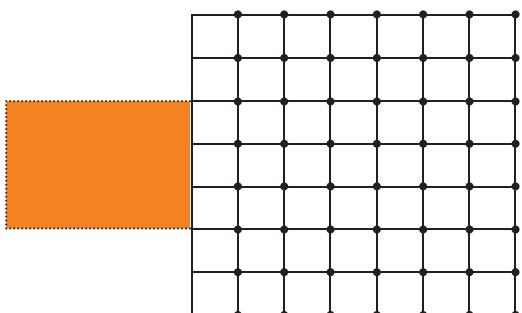
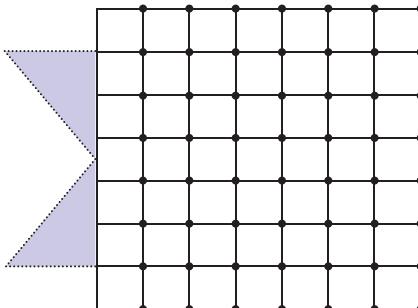
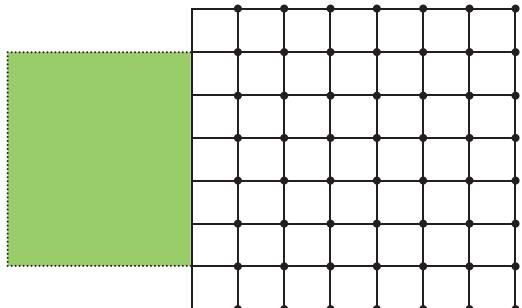
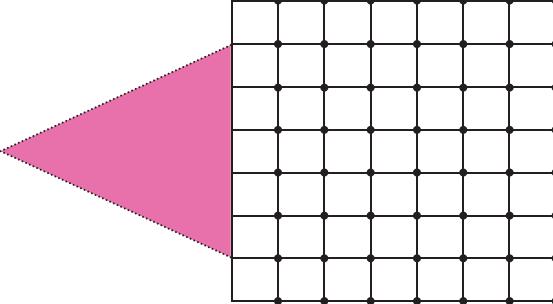
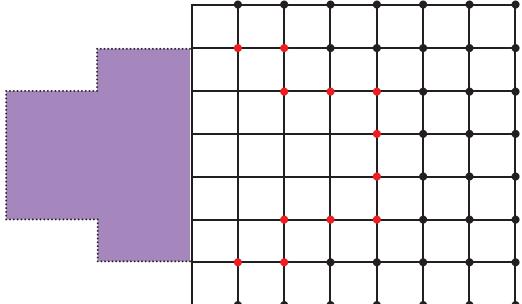
8

9

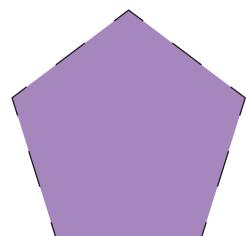
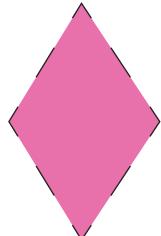
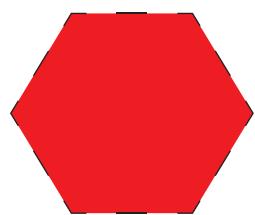
10



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

95



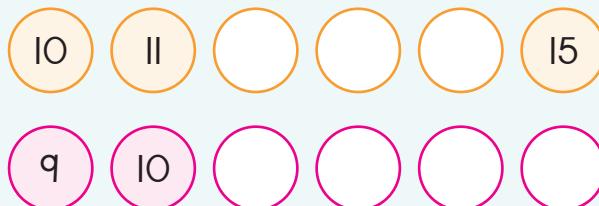
Umhla:

## Amanani neXabiso lendawo

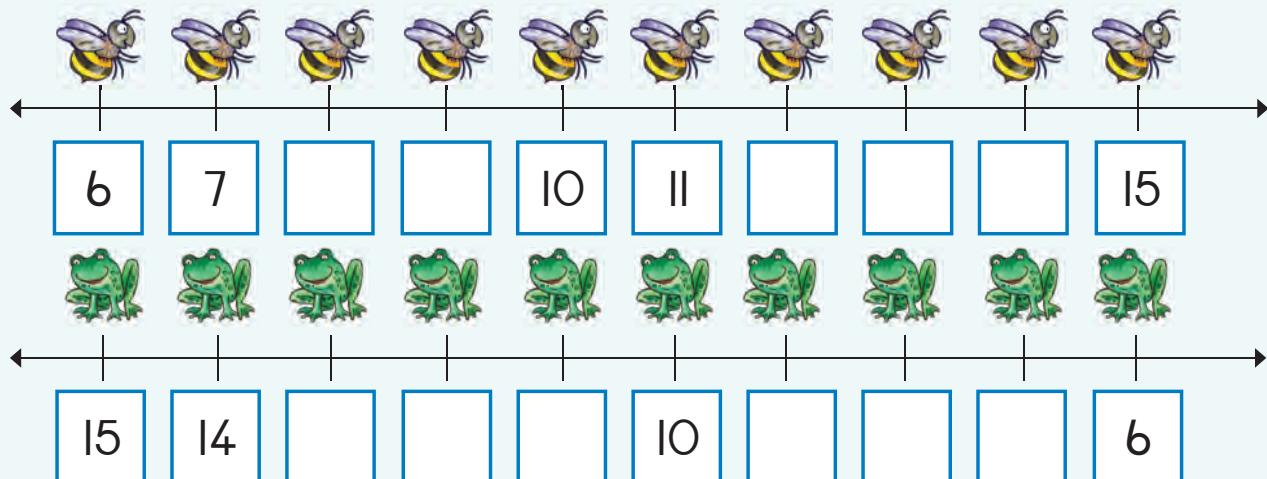
Ikota 3



Fakela amanani ashiyiweyo.



Bhala impendulo.



Bhala impendulo.

$10 + 1 =$	II
$10 + 2 =$	
$10 + 5 =$	
$10 + 3 =$	



$15 - 10 =$	
$14 - 10 =$	
$12 - 10 =$	
$11 - 10 =$	



62



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



10 + 1 obomvu



10 + 3 opinki



10 + 5 ozuba



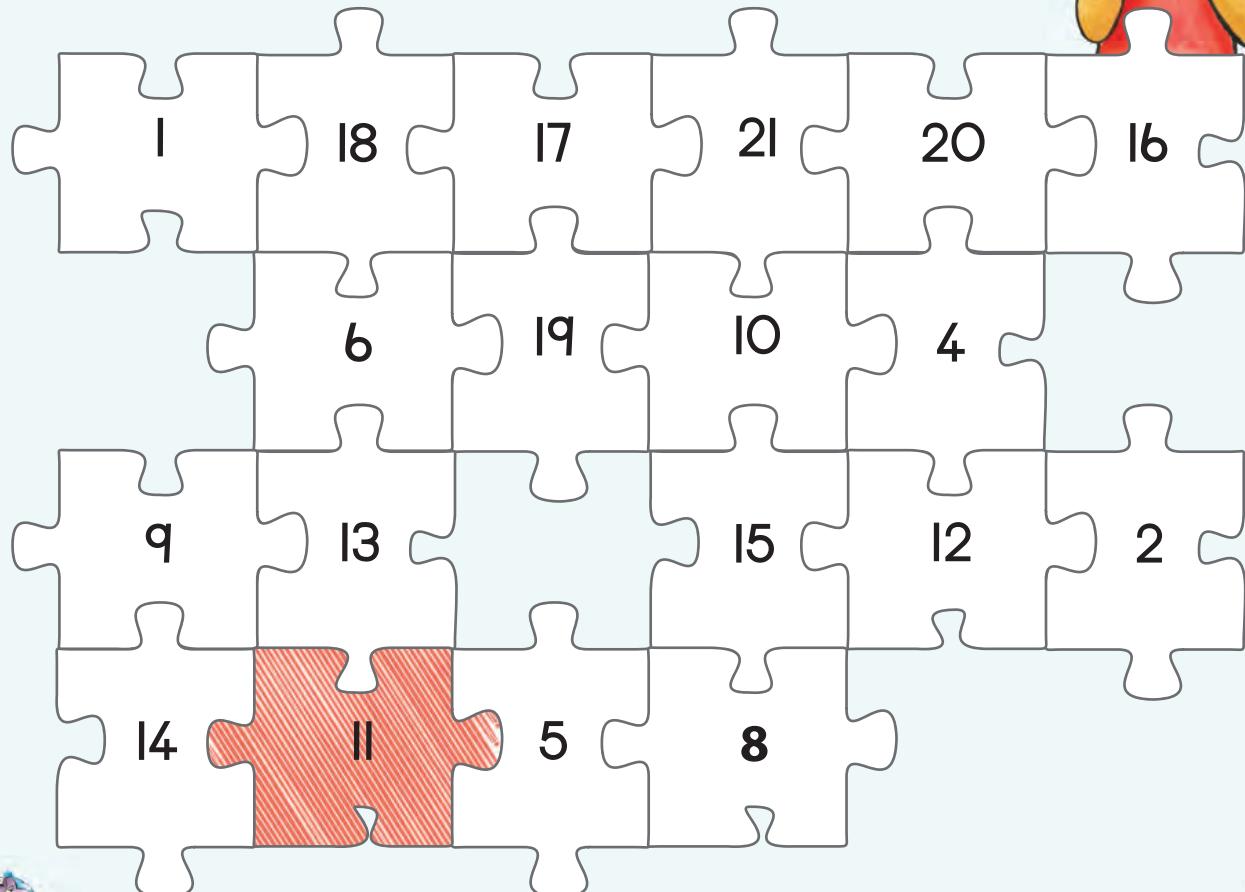
10 + 4 omthubi



10 + 0 oluhlaza



10 + 2 o-orenji

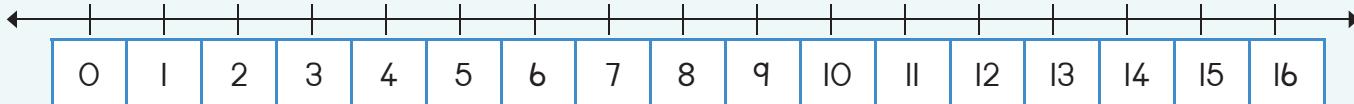


Bonisa ishumi nesine kumgca - manani:



Teacher:  
Sign:

Date:



11 12 13 14 15 16 17 18 19 20



96



Umhla:

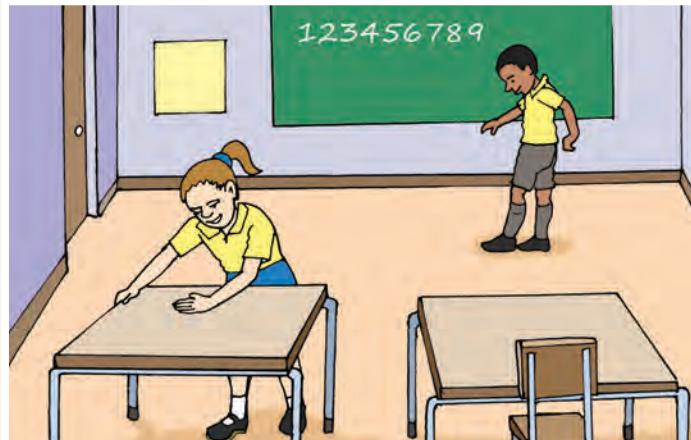
## Ubude

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.

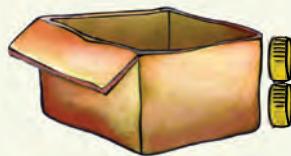


Ubude buzizandla ezi \_\_\_\_\_.





Buyintoni ubude nobubanzi bale bhokisi?

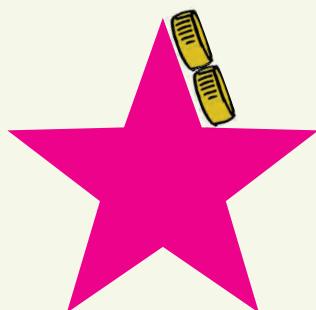
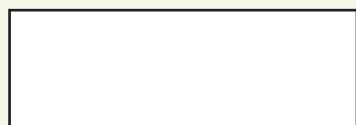
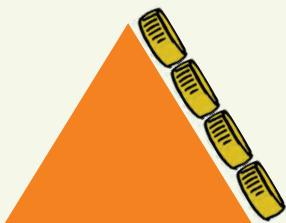
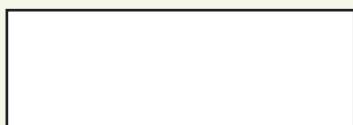


Ubude bungangeziciko zeebhotile ezi \_\_\_\_.

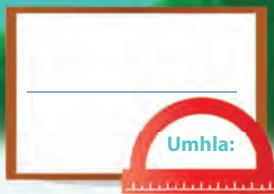
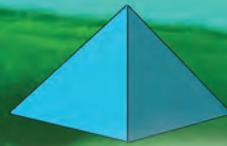
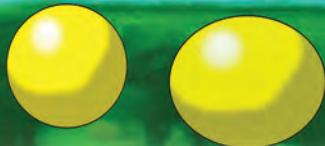
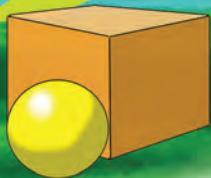
Ububanzi bungangeziciko zeebhotile ezi \_\_\_\_.



Ingaba icala lide kangangeziciko zeebhotile ezingaphi?



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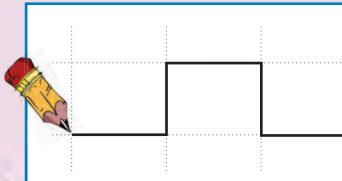
## Inani 16

Uhlaziyo:

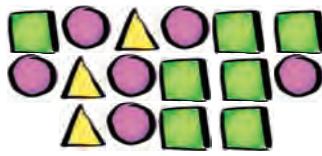
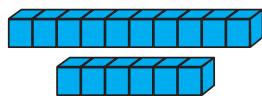
Ziqhelise ukubhala inani ngamagama uze ugqibezele ipatheni.

7

zisixhenxe

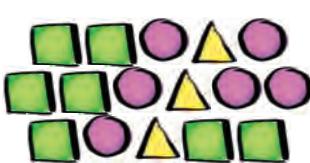


Tshatisa imifanekiso.

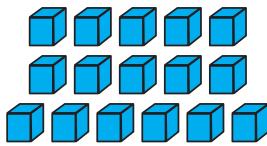


10  
6

16



16



10  
6



Khuphela amanani.

16 16 16 16

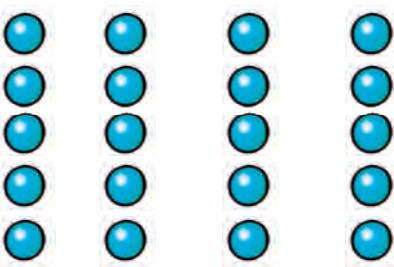
ishumi elinesithandathu

16 16 16 16

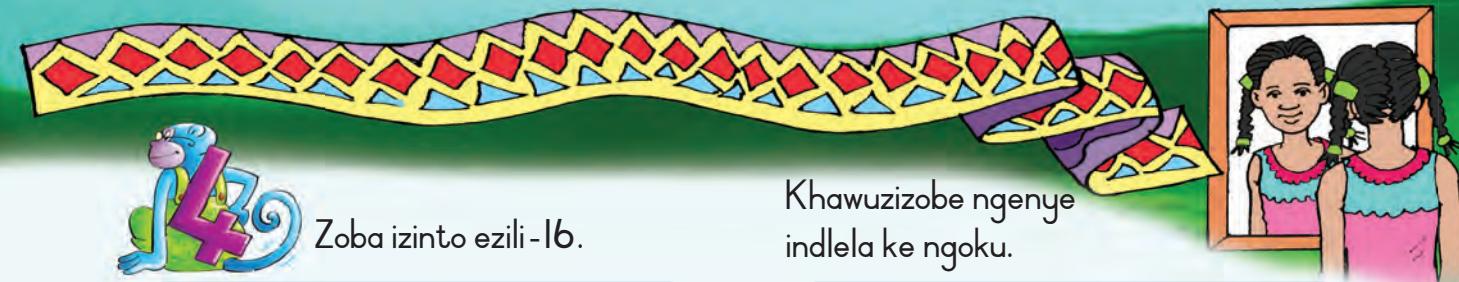
ishumi elinesithandathu



Biyela amaso ali-16 kuphela.



Mangaphi ashiyekileyo? \_\_\_\_\_



Zoba izinto ezili -16.

Khawuzizobe ngenye  
indlela ke ngoku.

--

--



Fakela amanani ashijiweyo.

2	3	4
19		21
17		19



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

	16	
		ishumi elinesithandathu



Leliphi inani elinganeno  
ngononye kune-16? \_\_\_\_\_

Leliphi inani elikhulu  
ngononye kune-16? \_\_\_\_\_



Leliphi inani elinganeno ngononye kuneshumi elinesithandathu? \_\_\_\_\_

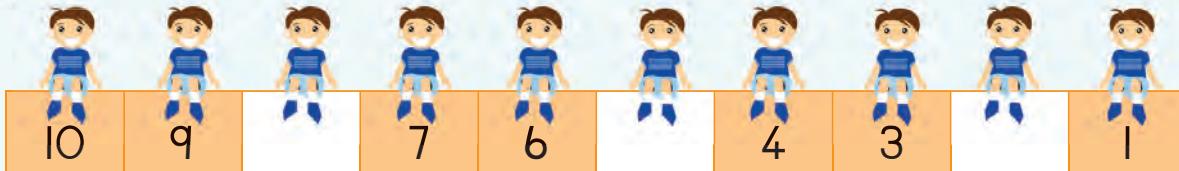
Leliphi inani elinganeno ngesibini kuneshumi elinesithandathu? \_\_\_\_\_

Leliphi inani elingaphezulu ngononye kuneshumi elinesithandathu? \_\_\_\_\_

Leliphi inani elingaphezulu ngesibini kuneshumi elinesithandathu? \_\_\_\_\_



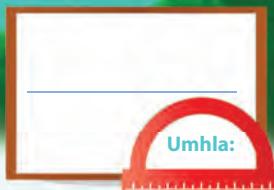
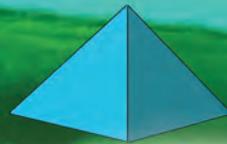
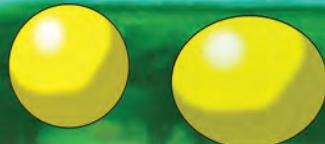
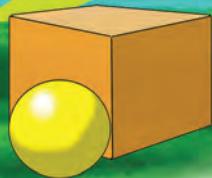
Fakela amanani ashijiweyo.



Teacher:  
Sign:  
Date:



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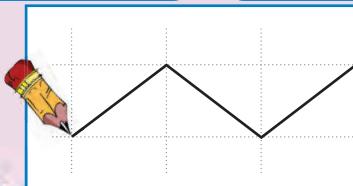
## Inani 17

Uhlaziyo:

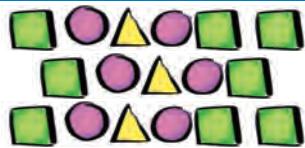
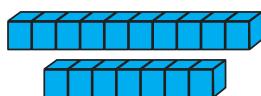
Ziqhelise ukubhala inani ngamagama uze ugqibezele ipatheni.

8

sibhozo



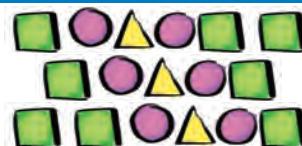
Tshatisa imifanekiso.



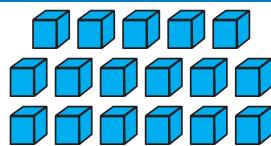
10

7

17



17



10

7

17 17 17 17

ishumi

elinesixhenxe

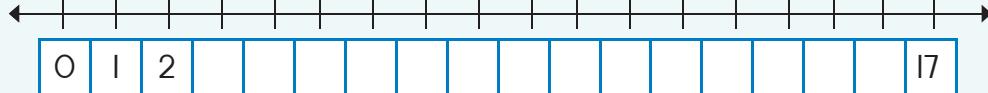
17 17 17 17

ishumi

elinesixhenxe



Gqibezela umgca - manani.



Zoba izinto ezili -17.

Khawuzizobe ngenye  
indlela ke ngoku.



Leliphi inani  
elilandelayo.

16	17	
24	25	
17	18	



Gqibezela  
itheyibile.  
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.

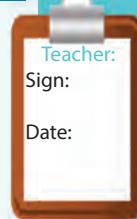
La manani abizwa  
ngokuba yiminqakathi.

	2		4		6		8		10
	12		14		16		18		20

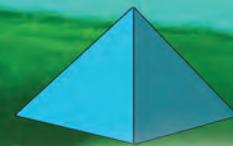
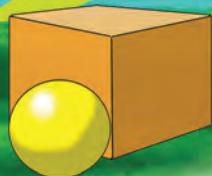
11 12 13 14 15 16 17 18 19 20

Teacher:  
Sign:

Date:



qq



Ikota 4

## Inani 18

Uhlaziyo:

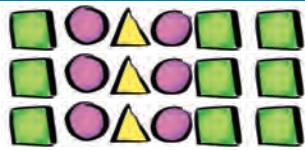
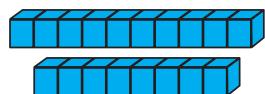
Ziqhelise ukubhala inani ngamagama uze ugqibezele ipatheni.

q

lithoba



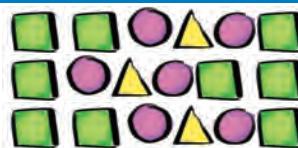
Tshatisa imifanekiso.



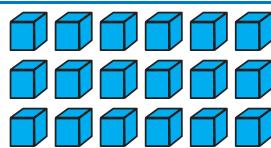
10

8

18



18



10

8



Khuphela amanani.

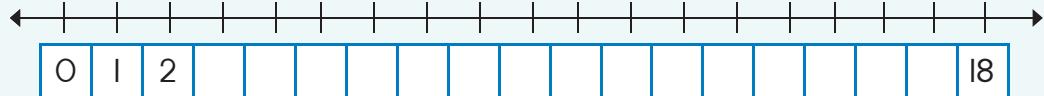
18 18 18 18

ishumi elinesibhozo

18 18 18 18

ishumi elinesibhozo

Gqibezela umgca - manani.





Zoba izinto ezili -18.

Khawuzizobe ngenye  
indlela ke ngoku.

Leliphi inani  
elilandelayo?

8	9	
33	34	
0	1	



Gqibezela  
itheybile.  
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?



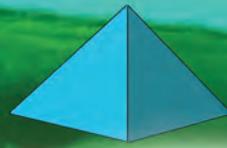
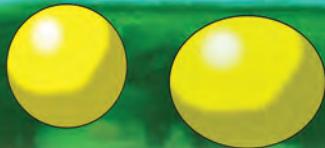
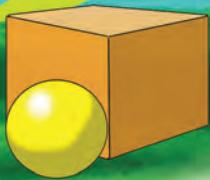
Fakela amanani ashiiyiweyo.

I	2		4	5	6	7		9	10
II		I3	I4	I5		I7	I8		20

|| 12 13 14 15 16 17 18 19 20



100



## Inani 19

Uhlaziyo:

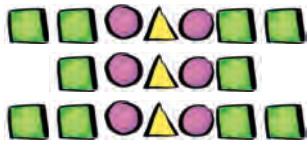
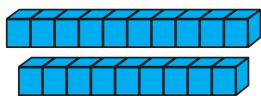
Ziqhelise ukubhala inani ngamagama uze ugqibezele ipatheni.

10

ishumi



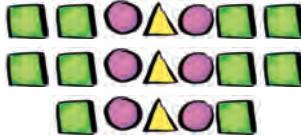
Tshatisa imifanekiso.



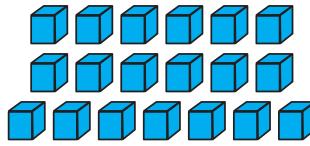
10

q

19



19



10  
q



Khuphela amanani.

19 19 19 19

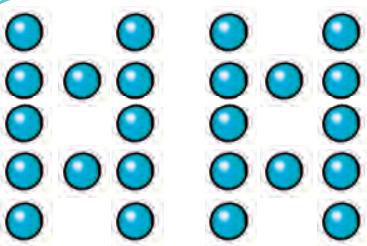
ishumi elinethoba

19 19 19 19

ishumi elinethoba



Biyela amaso ali-19 kuphela.



Mangaphi ashiyekileyo? \_\_\_\_\_

Zoba izinto ezili - 19.

Khawuzobe ngenye  
indlela ke ngoku.



**14**

**16**

**35**

**37**

**8**

**10**



Leliphi inani  
eliphakathi?

Gqibezela itheyibhile.

Umqolo ngamnye unomfanekiso, inani negama lelo nani.

		<b>19</b>	
			<b>ishumi elinethoba</b>



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.

La manani abizwa  
ngokuba ngoonombini.

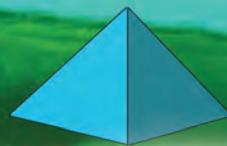
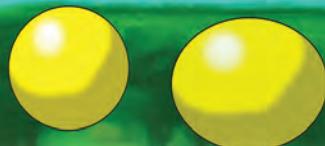
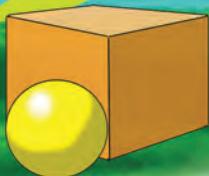
I		3		5		7		9	
II		I3		I5		I7		I9	

11 12 13 14 15 16 17 18 19 20

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Date:





## Inani 20



Tshatisa imifanekiso.

20

20



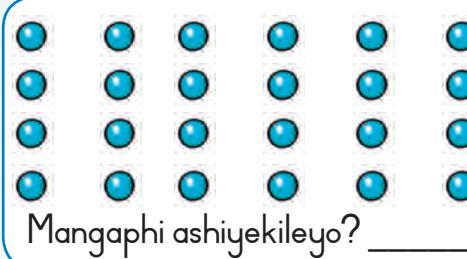
Khuphela amanani.

20 20 20 20

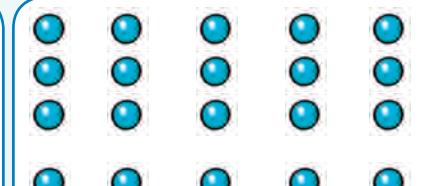
amashumi amabini

20 20 20 20

amashumi amabini

Biyela amaso  
angama-20  
kuphela.

Mangaphi ashiyekileyo? \_\_\_\_\_

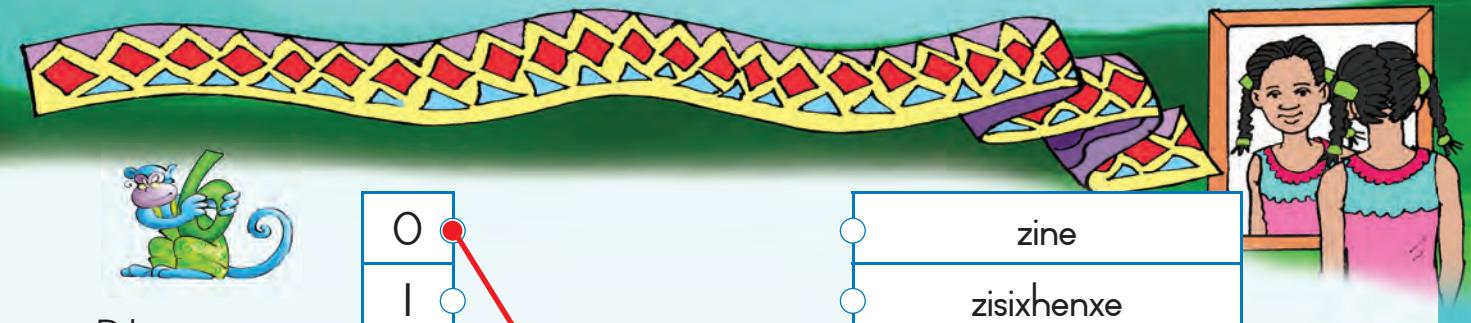


Mangaphi ashiyekileyo? \_\_\_\_\_

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

	20	amashumi amabini
		amashumi amabini
20		

Leliphi inani elingaphantsi  
ngononye kunama-20? \_\_\_\_\_Leliphi inani elingaphezulu  
ngononye kunama-20? \_\_\_\_\_



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 ashijiyewyo.

Phambi		Emva
16	17	
	12	
	14	
	9	10
	6	



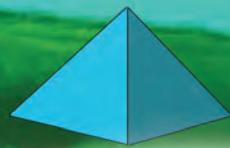
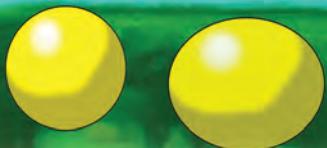
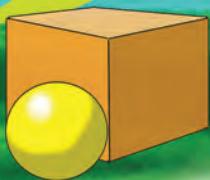
Sebenzisa amagama athi  
ngaphantsi okanye ngaphezulu  
ukuze ugqibezele oku:

Ama-34 anga \_\_\_\_\_ kunama-38

Ama-79 anga \_\_\_\_\_ kunama-65



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## Ukudibana

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.

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



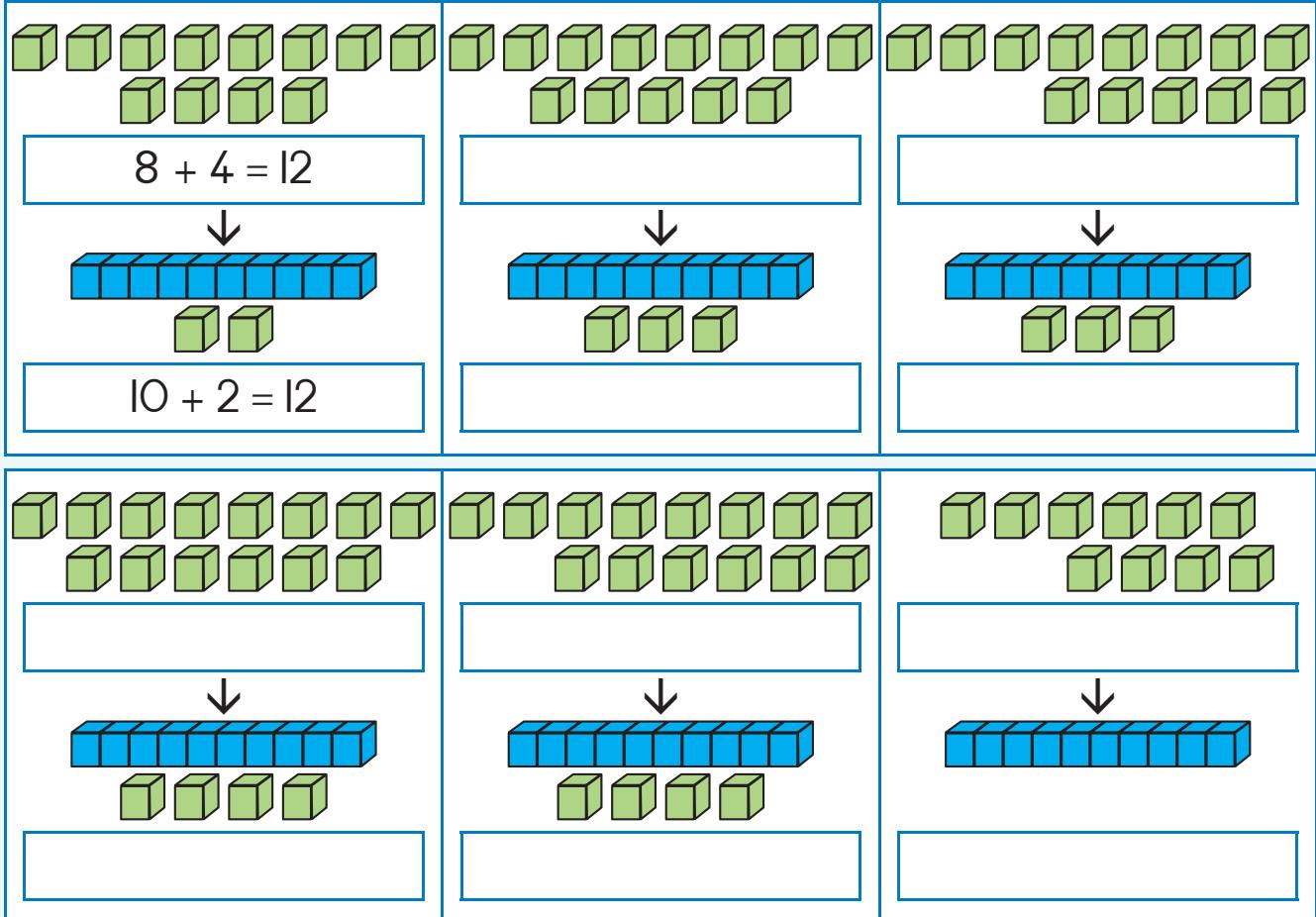
Bhala isivakalisi - manani.




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Bhala isivakalisi - manani kwisibalo ngasinye:



Fakela amanani angekhoyo.

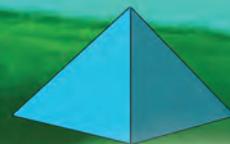
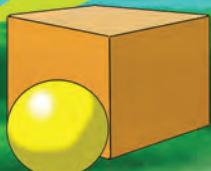
	+	14	=	17
9	+		=	20
12	+	8	=	
15	+		=	20
	+	6	=	13
14	+	3	=	0



Teacher:  
Sign:  
Date:



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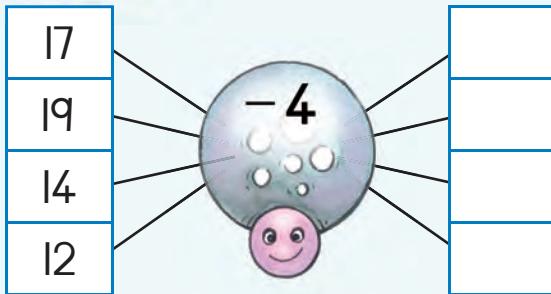


## Ukuthabatha

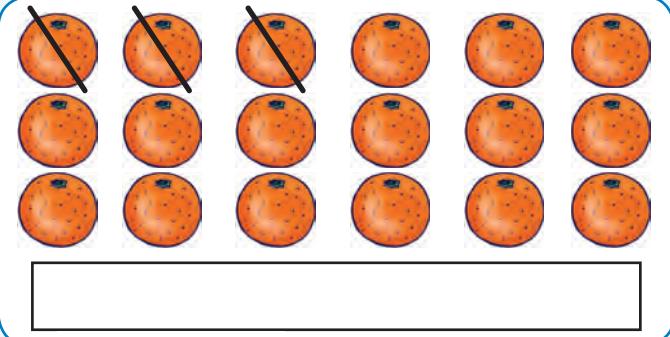
Ikota 4



Bala.



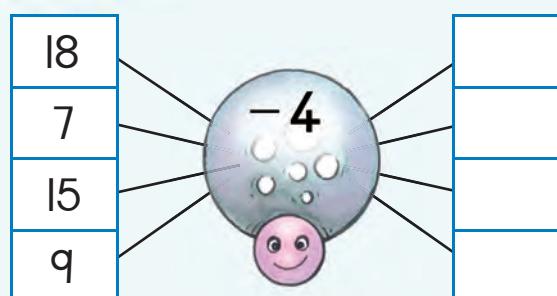
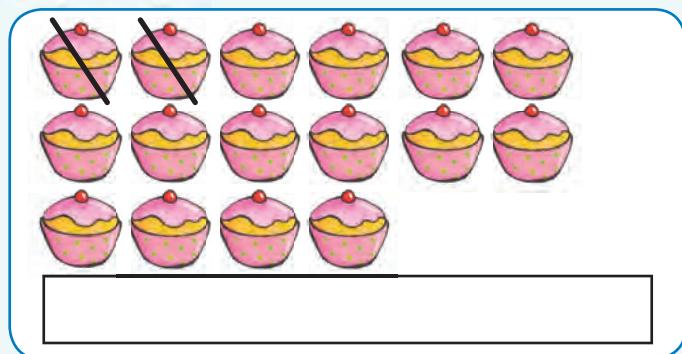
Bhala isivakalisi - manani.



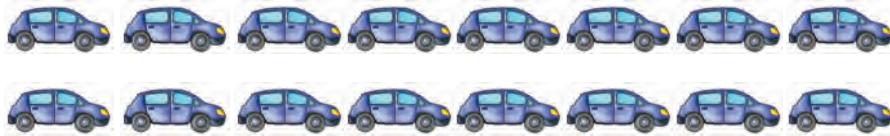
Bhala isivakalisi - manani.



Bala.



Gqibezela izibalo usebenzise imifanekiso.

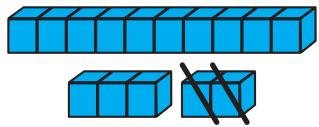


$$16 - \boxed{4} = \boxed{12}$$



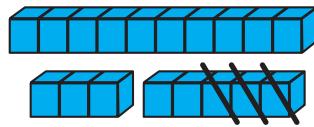
$$10 + \boxed{4} = \boxed{14}$$

Thabatha iibloko.

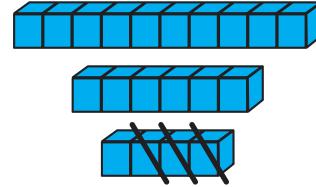


$$|10 + 3) - 2 =$$

$$|3 - 2 =$$



$$|$$



$$|$$



Gqibezela:

$$|1 + 7 = \boxed{\phantom{0}}$$

$$|1 + 7 = \boxed{\phantom{0}}$$

$$|1 + 4 + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$|1 + 5 + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$|9 - 7 = \boxed{\phantom{0}}$$

$$|7 - 9 = \boxed{\phantom{0}}$$

$$|9 - (5 + \boxed{\phantom{0}}) = \boxed{\phantom{0}}$$

$$|7 - (7 + \boxed{\phantom{0}}) = \boxed{\phantom{0}}$$



Gqibezela:

Ezi-5 eziphindwe  
kabini zenza  
Ezi-7 eziphindwe  
kabini zenza  
i-10 eliphindwe  
kabini lenza




Ezi-3 eziphindwe  
kabini zenza  
Ezi-2 eziphindwe  
kabini zenza  
Ezili-9 eziphindwe  
kabini zenza




Ezi-4 eziphindwe  
kabini zenza  
Ezi-8 eziphindwe  
kabini zenza  
u-1 ophindwe kabini  
wenza





Phendula:

$$|9 + 9 - 1 =$$

okanye

$$|Phinda kabini 9 - 1 =$$

$$|$$

okanye

$$|Phinda kabini 5 - 1 =$$

$$|4 + 4 - 1 =$$

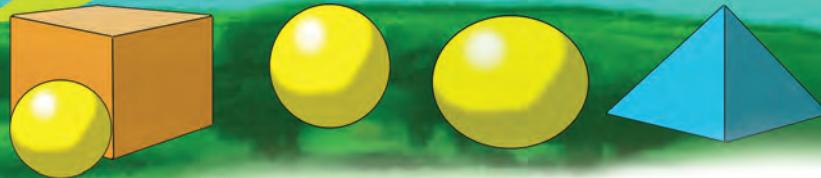
okanye



Teacher:  
Sign:

Date:





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

$3 + \boxed{\phantom{0}} = 8$

$4 + \boxed{\phantom{0}} = 8$



Sombulula la maqhina ezibalo.  
Ungazoba umfanekiso ukuncede.



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

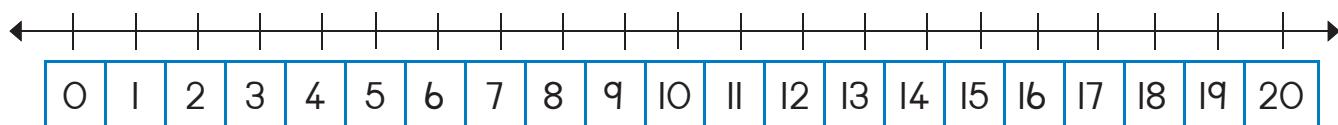
UMandla uneekhrayoni zepenisile ezi -5. U-Anne yena uneekhrayoni ezisi -8.  
Ngubani oneekhrayoni zepenisile ezimbalwa?



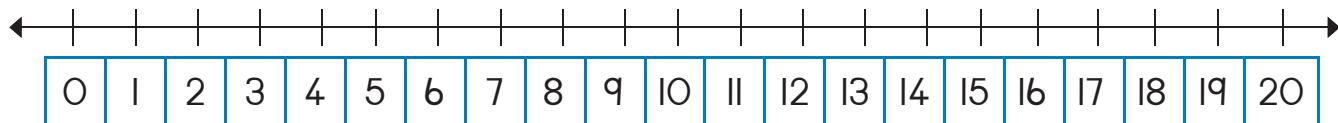


Yenza umgca-manani ukuze usombulule la maqhina ezibalo:

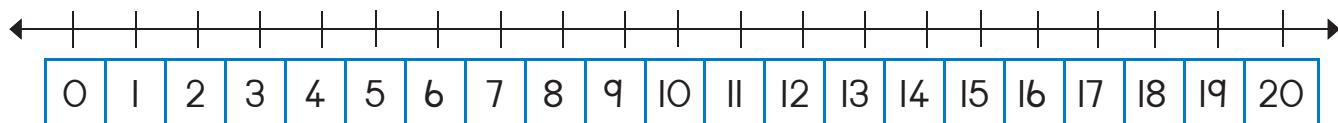
UThandi unamapetyu aluhlaza ama-6 nazuba ali-9.  
Mangaphi amapetyu anawo ewonke?



ULerato unamapetyu ali-16. Asibhozo aluhlaza aze amanye abe zuba.  
Mangaphi amapetyu azuba anawo uLerato?



UThandi uneebhana ezili-19. UThemba yena uneebhana ezili-10.  
Zininzi kangakanani iibhana zikaThandi kunezikaThemba?



Ngawaphi amanani aphakathi kwama-25 nama-30?



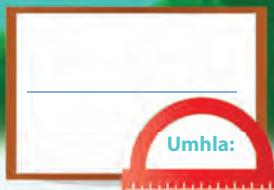
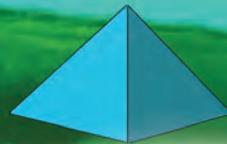
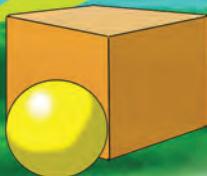
Biyela inani elikhulu ngo-1 kunama-76.

74	75	76	77	78
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Biyela inani elikhulu ngesi-2 kunama-76.

74	75	76	77	78
----	----	----	----	----



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

Sipho



Lerato



John



Peter



Ann



2

3



Bazobe  
beseqongeni.

Isilivere

Igolide

Ubhedu/ibronzi

Ngubani ofumene imbasa yegolide? \_\_\_\_\_

Ngubani ofumene imbasa yesilivere? \_\_\_\_\_



Zoba umtya wamaso  
ngolu hlubo:

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 kwitheyibhile.  
Sikwenzele eyokuqala.



### Yeyiphi imilo:

yesine		yesixhenxe	
yesihlanu		yethoba	
yesibini		yokuggibela	
yesithathu		yesithandathu	



Yenza oku:



Faka umbala obomvu kwisangqa sokuqala.



Faka umbala omthubi kwisangqa sesihlanu.



Faka umbala ozuba kwisangqa sesibhozo.

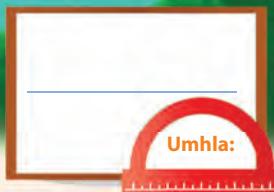
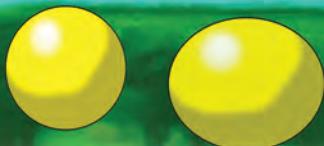
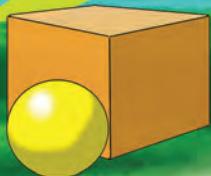


Zoba umgca - manani oqala kwi-10 uye kuma-20.  
Biyela inani lesithathu nelesibhozo.



Teacher:  
Sign:  
Date:

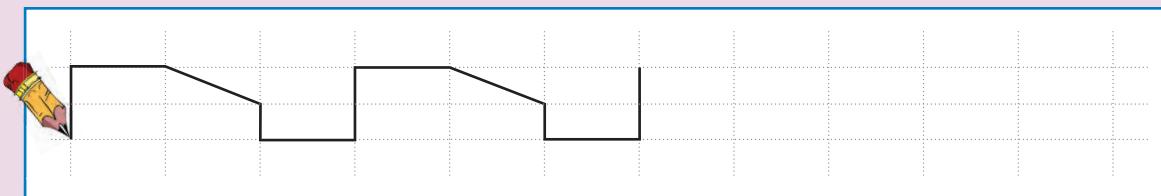




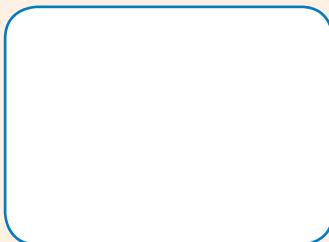
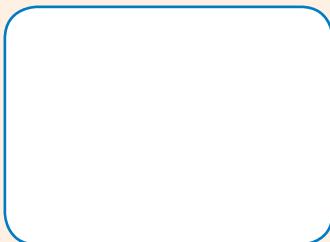
## Izinto neemilo

Uhlaziyo:

Uhlaziyo: Gqibezela ipatheni.



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



Biyela ngesangqa esizuba zonke izinto ezityibilikayo.

Biyela ngesikwere esibomvu zonke izinto eziqengqekekayo.





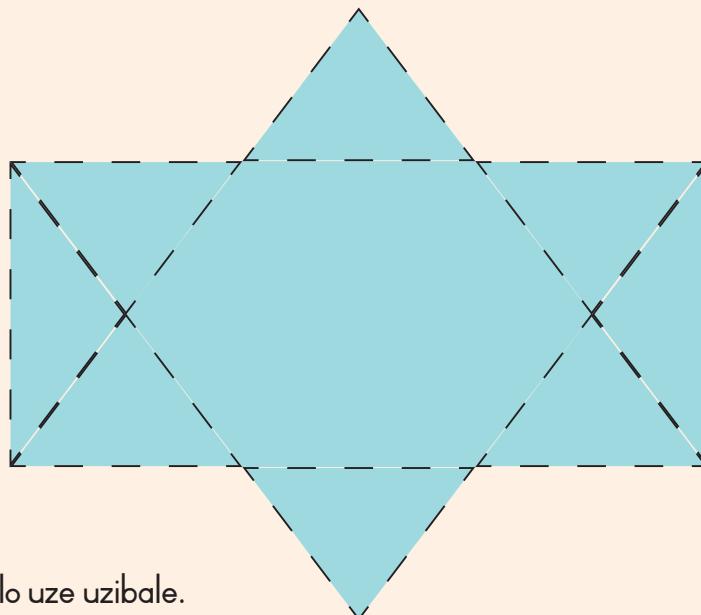
Khuphela igama uze uzobe loo nto liyimeleyo.

ibhokisi

ibhola



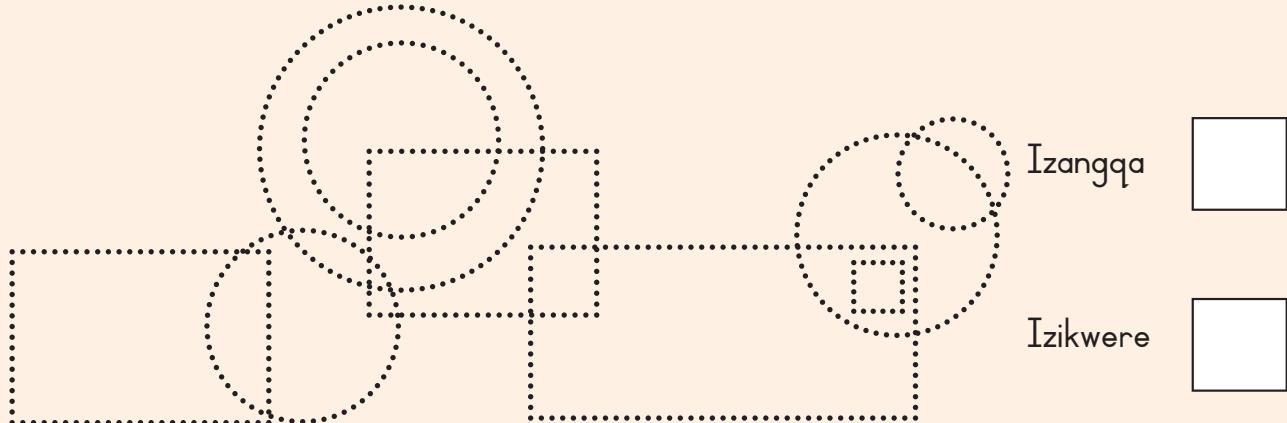
Bala bonke oonxantathu uze ubhale inani labo.



Impendulo:



Khuphela iimilo uze uzibale.



Izangqa



Izikwere



Teacher:  
Sign:  
Date:



11

12

13

14

15

16

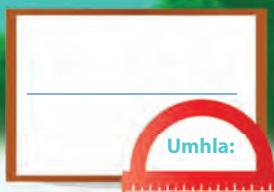
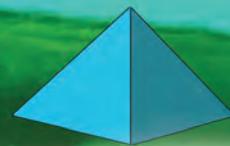
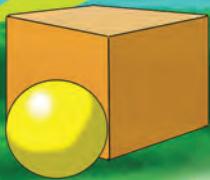
17

18

19

20

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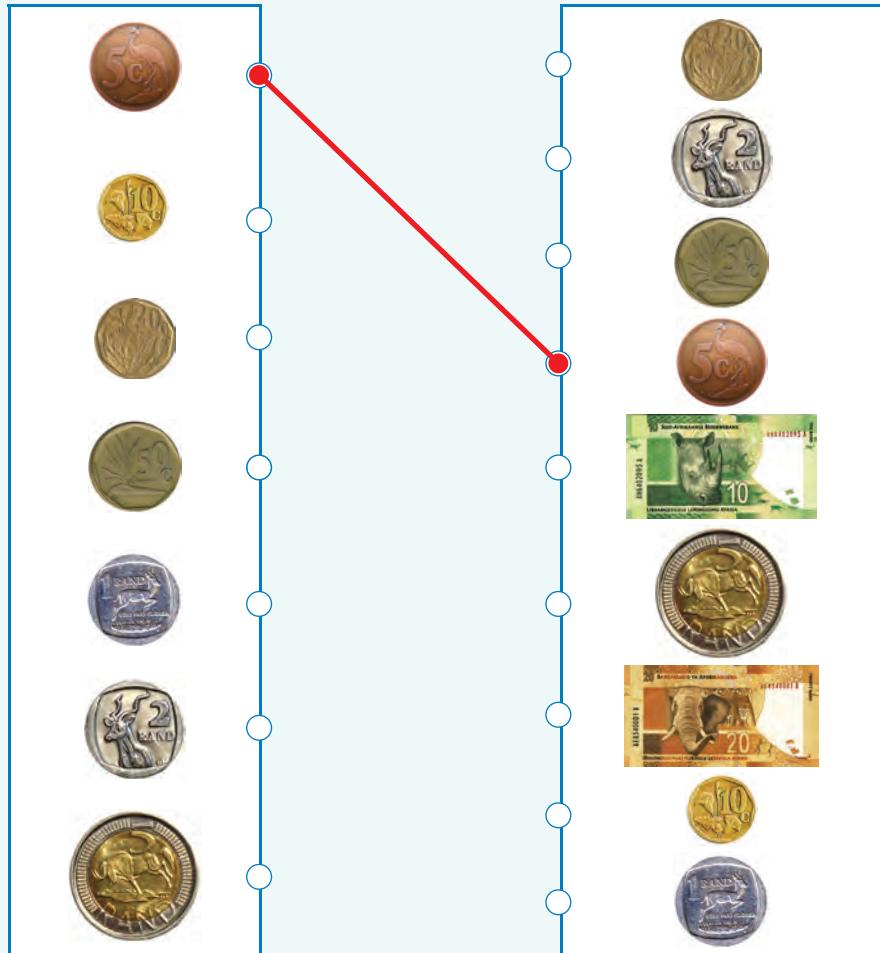


## Imali

Ikota 4



Zeziphi iinkozo  
zemali okwaziyo  
ukuzitshatisa?



Kwibloko nganye phawula imali eziinkozo nengamaphepha eza kukunika ezi zixa.

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0 1 2 3 4 5 6 7 8 9 10

Thabatha ii-R2.



$$R12 - R2 = R10$$



Thabatha ii-R5.



$$R15 - R5 = R10$$



Zingaphi iindibaniso ezahlukileyo onokuzifumana kuma-R20?  
Sikwenzele eyokuqala.

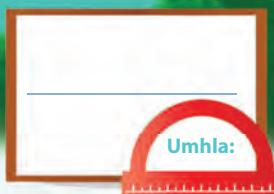
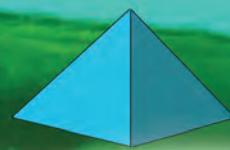
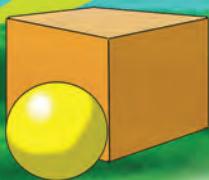


Biyela imali kumgca  
ngamnye ocinga ukuba  
unokuthenga kakhulu ngayo.



Teacher:  
Sign:  
Date:





## Okunye ngemali

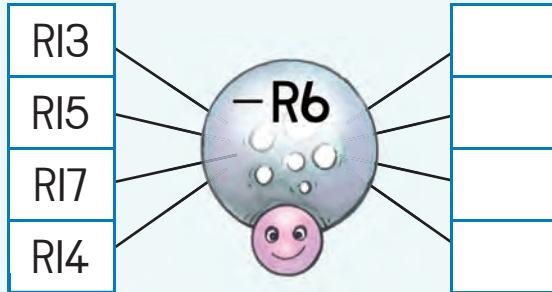
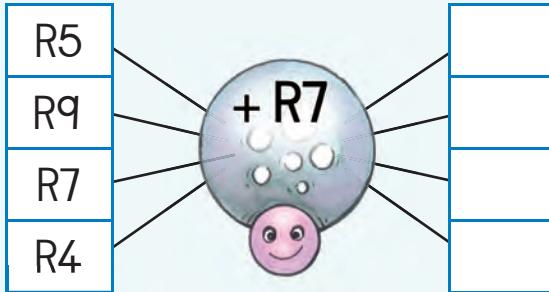
Ikota 4



Bala.



Bala.



Fakela impendulo.



Yeyiphi engaphezulu?  
Biyela impendulo yakho.

RIO + RI =	
RIO + R2 =	
RIO + R3 =	
RIO + R4 =	
RIO + R5 =	

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



Dibanisa amanani uxwese uphinde uwadibani se uhlise uze ubhale impendulo yakho.

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



 Jonga umzekelo uze  
ugqibezele ezinye.

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

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

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

Uthini umbuzo?

---



---

Bhala amanani.

---

Bhala isibalo uze ubale.

---



Uthini umbuzo?

---



---

Bhala amanani.

---

Bhala isibalo uze ubale.



Umhla wokuzalwa kuka Judy  
ubunge Cawe. 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.

---

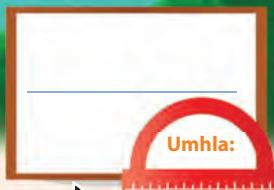
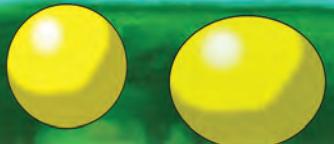
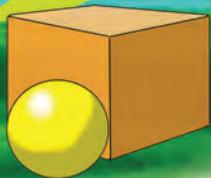


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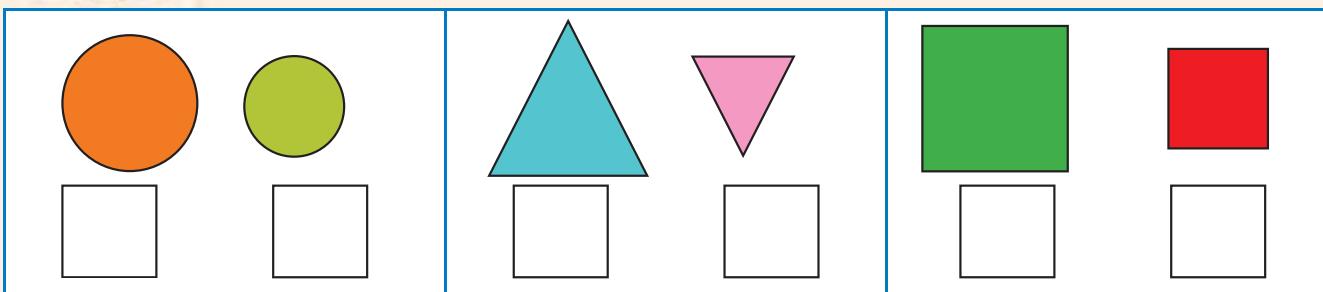


Ikota 4

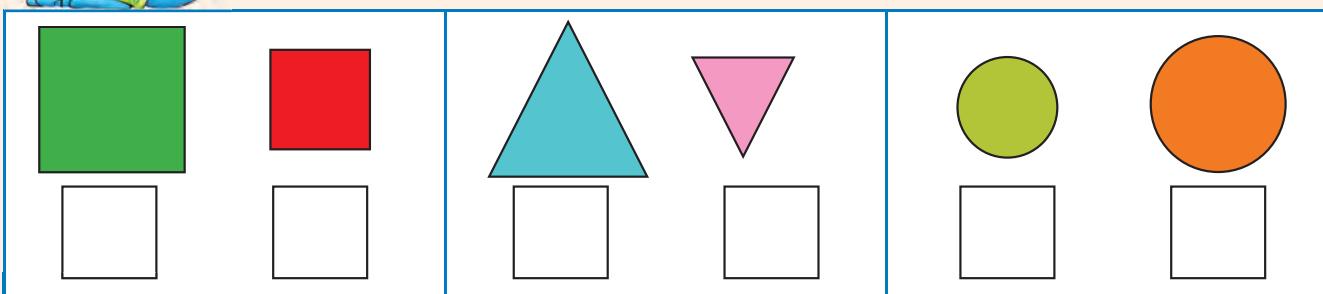


## Timilo ezinemilinganiselo emi - 2 (2D)

Phawula eyona milo incinci kwibloko nganye.



Phawula eyona milo inkulu kwibloko nganye.

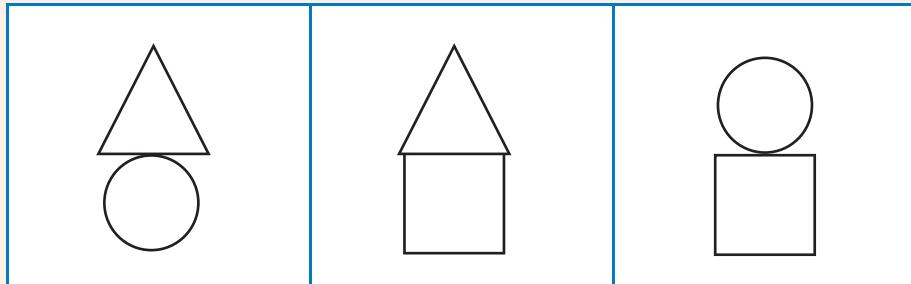
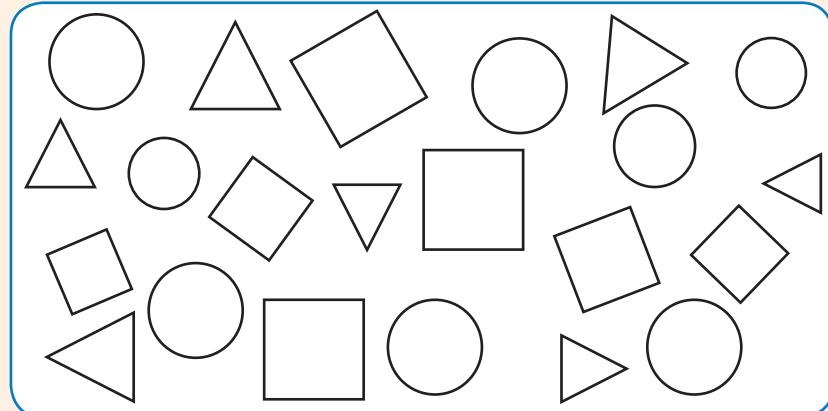


Faka umbala:

- ozuba kwizikwere
- obomvu koonxantathu
- oluhlaza kwizangqa

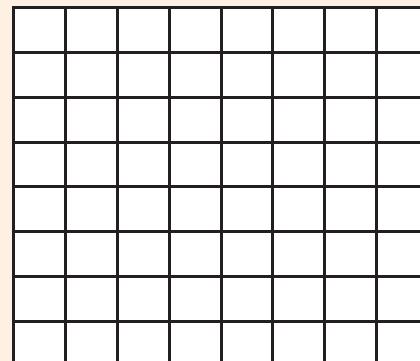
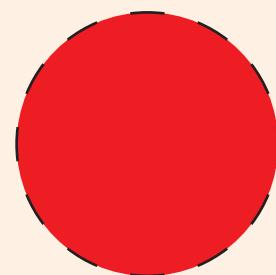
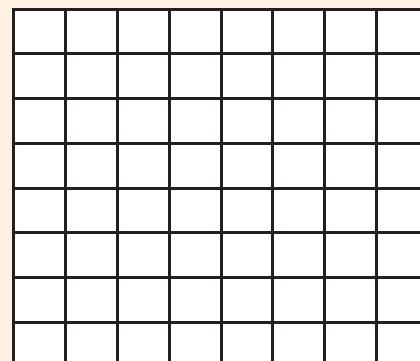
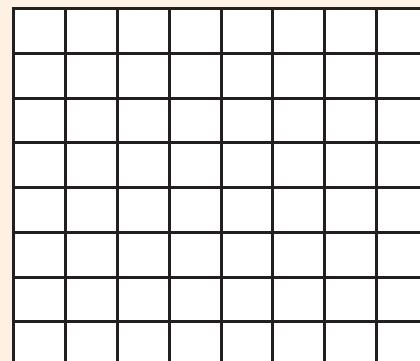
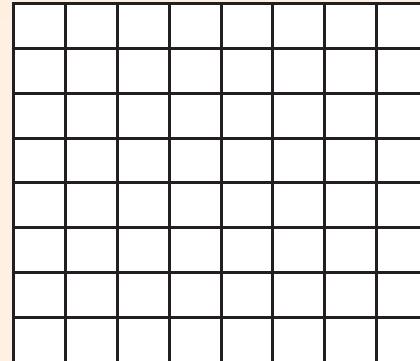
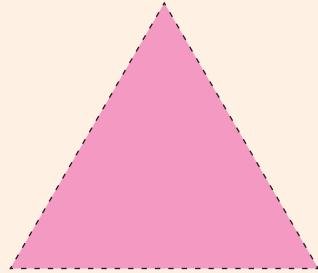


Yenza umfanekiso ngeemilo.  
Umfanekiso ngamnye  
siwuqale ngeemilo ezimbini.

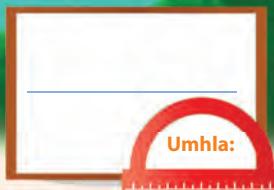
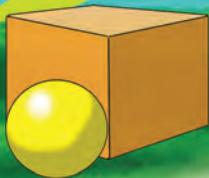




Zoba iimilo kwigridi.  
Sebenzisa izikwere ezincinci zikuncede.



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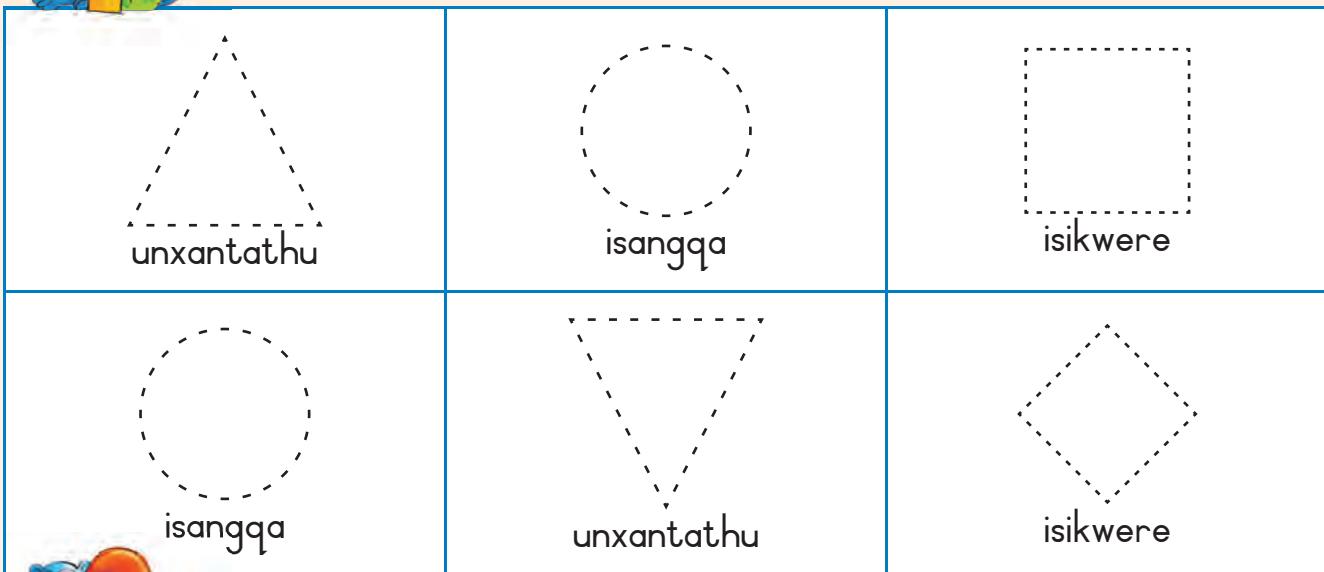


Ikota 4

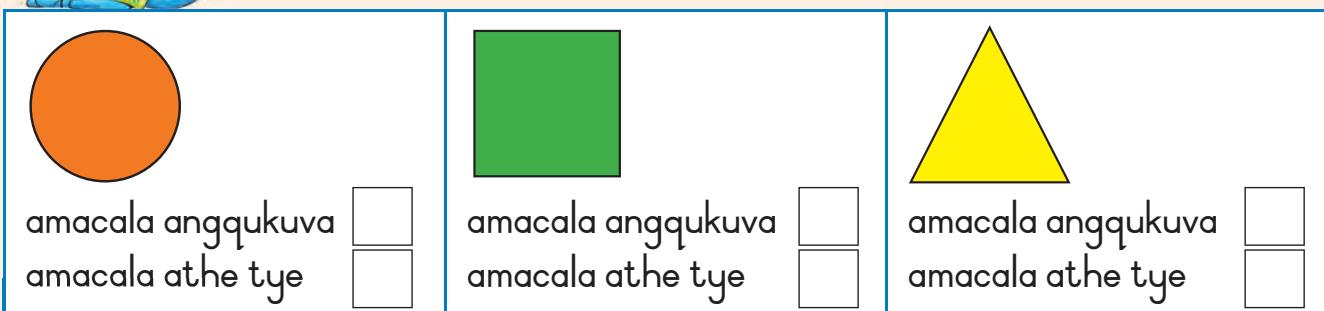
## Imilo ezi - 2D – amacala athe tye nangqukuva



Khuphela ezi milo zilandelayo.



Phawula ubonise ukuba imilo inamacala athe tye okanye angqukuva.



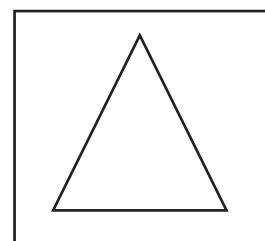
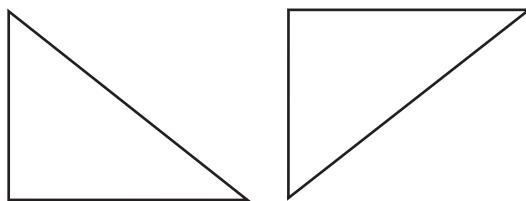
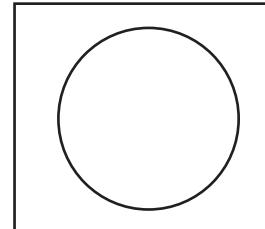
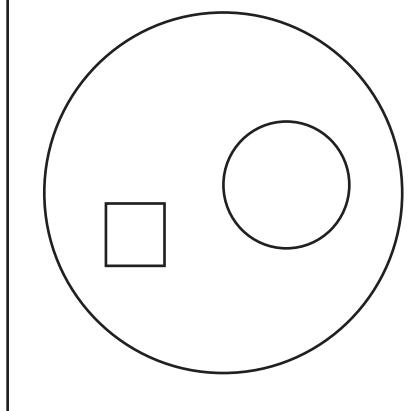
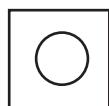
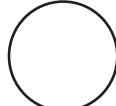
Zoba imilo enamacala:

athe tye	angqukuva
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Bala inani lezangqa, lezikwere neloonxantathu.



Izangqa

Izikwere

Oonxantathu



Funa kwimagazini umfanekiso onamacala:

angqukuva

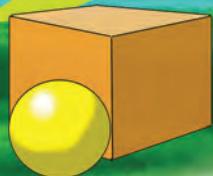
athe tye



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Date:



III

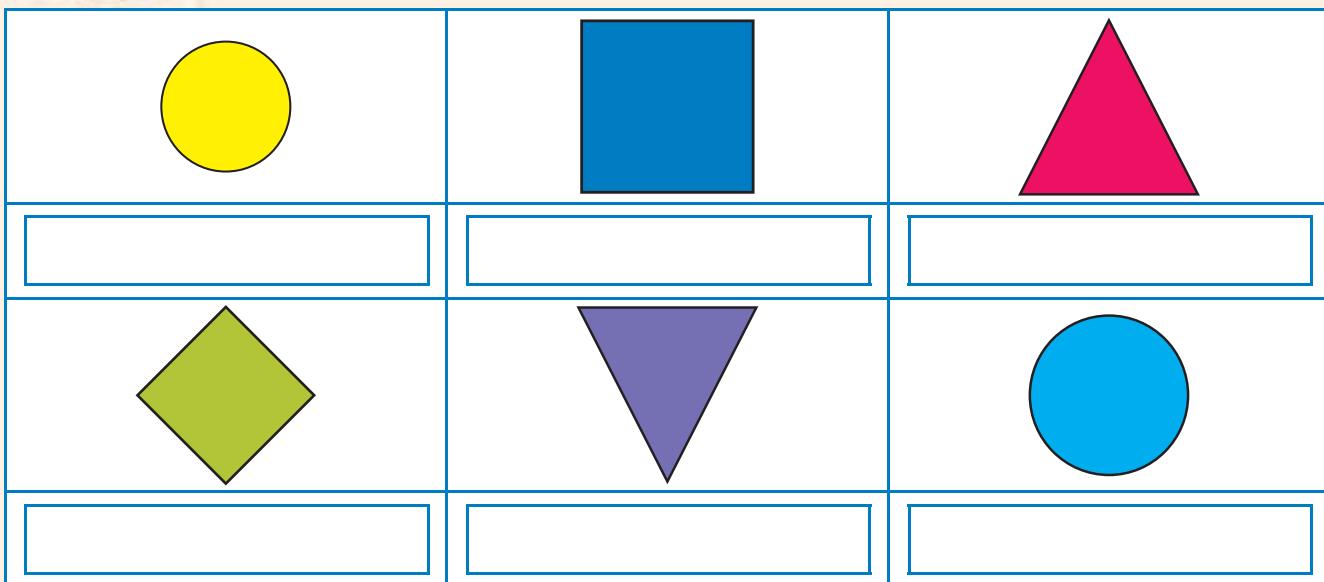


Umhla:

Ikota 4



Thiya ezi milo amagama:



Zoba owakho umfanekiso usebenzise izangqa, oonxantathu nezikwere.

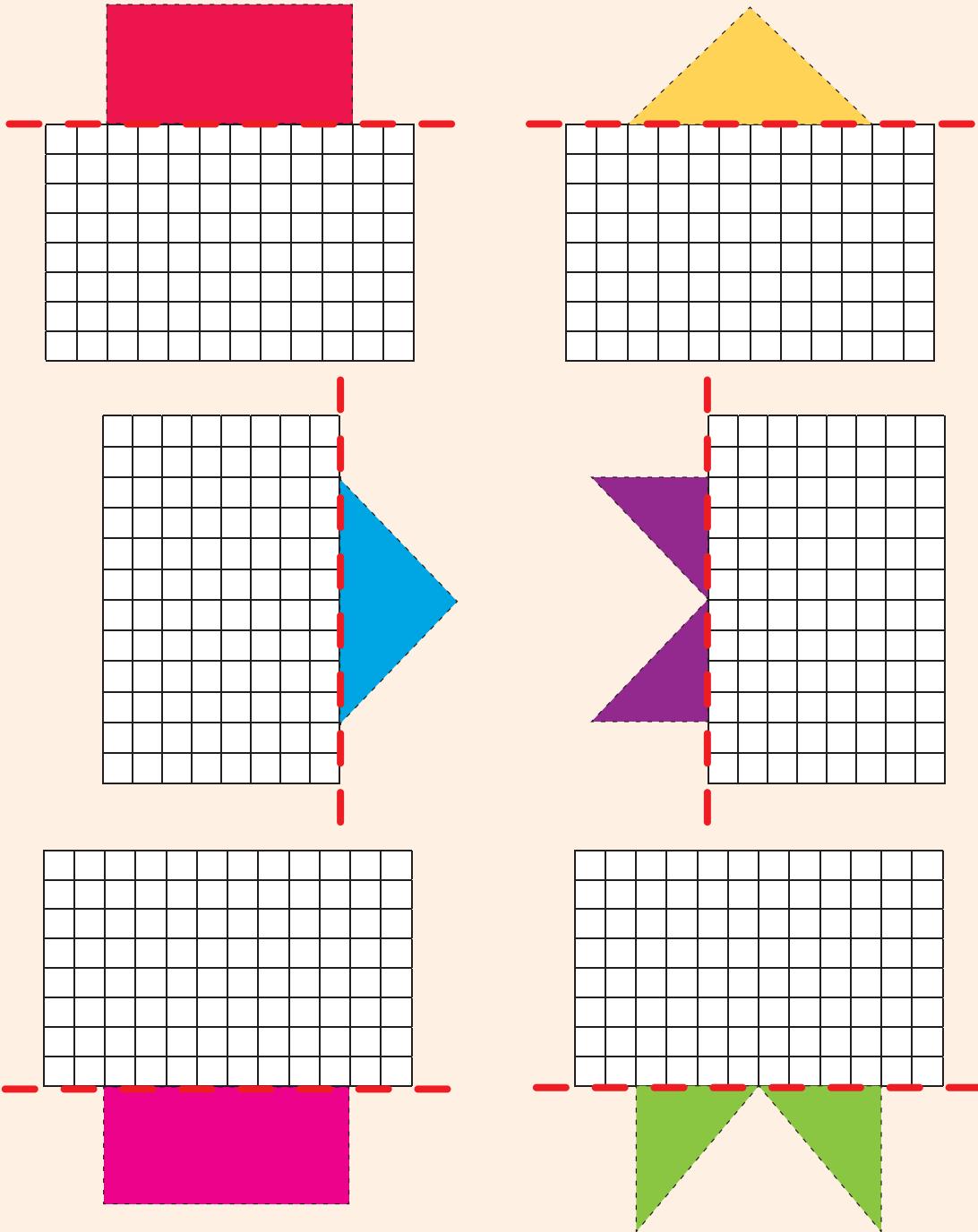


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0 1 2 3 4 5 6 7 8 9 10

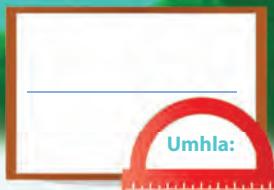
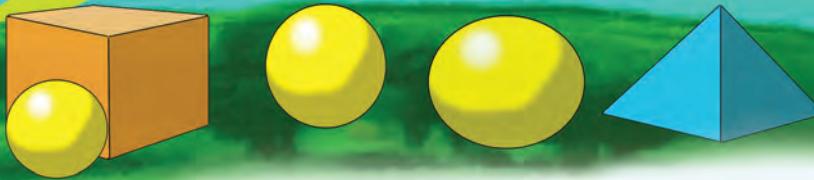


Zoba icala elisisiqingatha semilo nganye.  
Sebenzisa izikwere ezincinci zikuncede.



Zonke zinamacala athe tye angakuva.



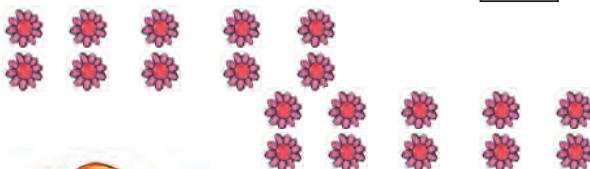


## Amaqela ezihlanu ukuya kutsho kumashumi amabini

Ikota 4



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

iqela lesi - 5 eli - amaqela ezi - 5 ama - amaqela ezi - 5 ama - amaqela ezi - 5 ama - 

Bala inani leminwe. Bhala impendulo yakho.



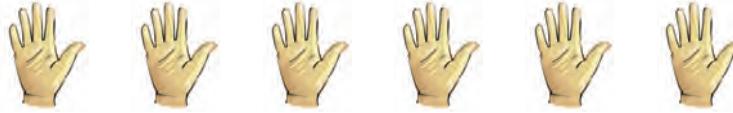
$5 + 5 + 5 =$



$5 + 5 + 5 + 5 =$



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

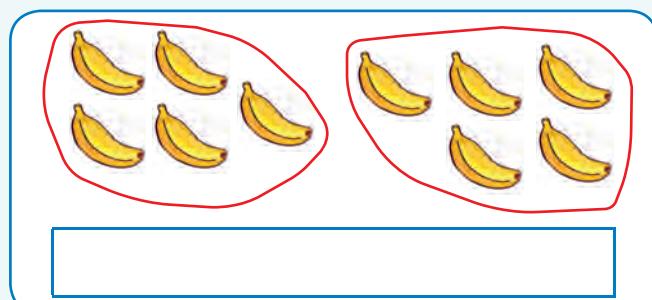
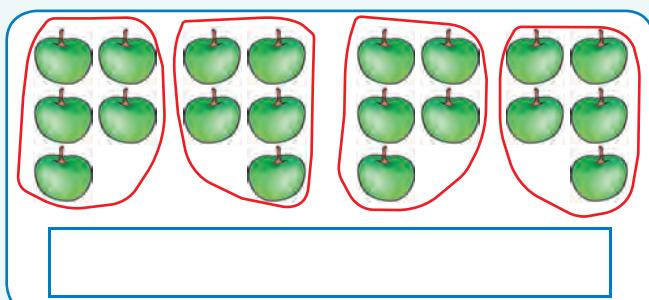
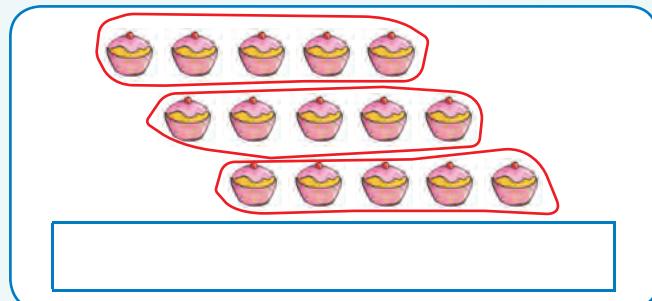
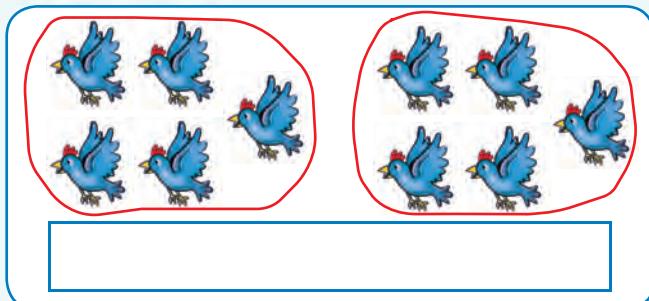


$5 + 5 + 5 + 5 + 5 + 5 =$





Bhala isivakalisi - manani kumfanekiso ngamnye:



Phendula imibuzo.



Zingaphi iingqekembe  
zee - 5c ozibonayo?

Bhala isivakalisi - manani:



Bhala amanani ashiiyiweyo.

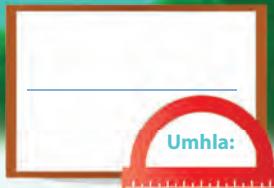
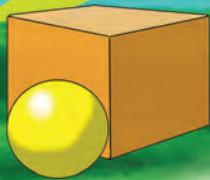
I	2	3	4		6	7	8	9	
II	I2	I3	I4		I6	I7	I8	I9	

|| I2 I3 I4 I5 I6 I7 I8 I9 20

Teacher:  
Sign:  
Date:



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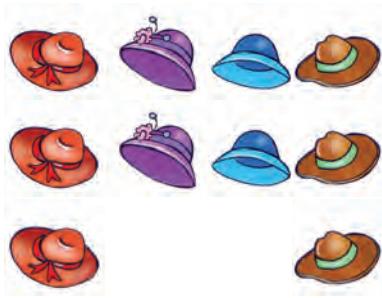
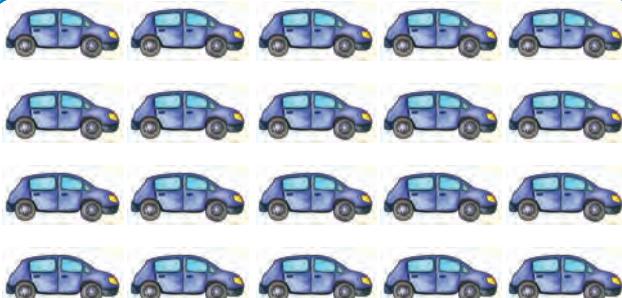
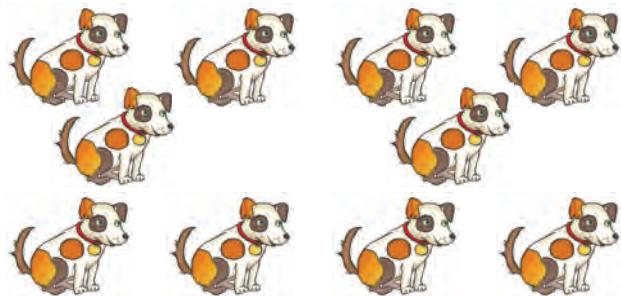


Ikota 4



## Izihlanu – ukudibanisa okuphindiweyo ukuya kutsho kuma - 20

Yenza amaqela ezihlanu uze ubhale isivakalisi - manani.



Zoba amaqela eemilo ubonise isivakalisi - manani.

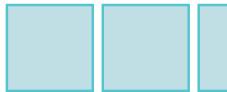
$$5 + 5 + 5 = \boxed{\quad}$$

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

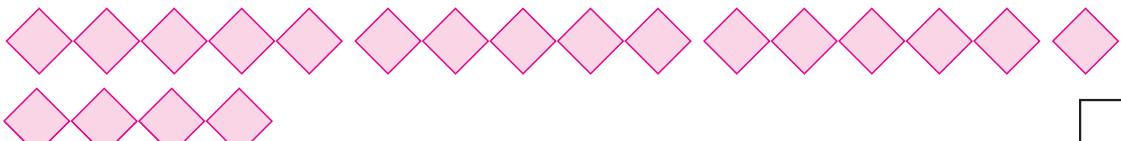
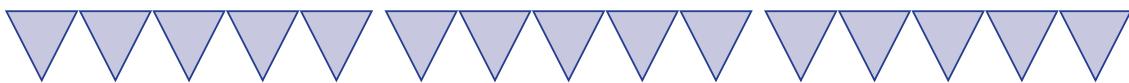




Bhala isivakalisi - manani kumfanekiso ngamnye:



$$5 + 5 =$$



Uwabala kangaphi amanani amahlanu? \_\_\_\_\_

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

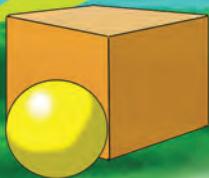


Kukho izandla ezithathu efesitileni. Mingaphi iminwe esefesitileni?

Zoba umfanekiso uze ubhale isivakalisi - manani.



II4



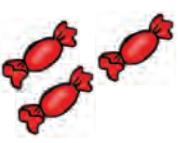
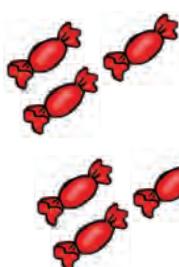
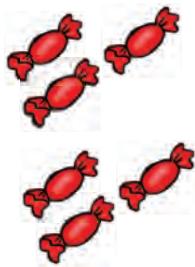
## Ukwabelana ukuya kutsho kuma - 20

Ikota 4

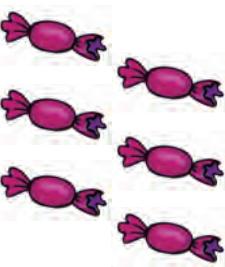
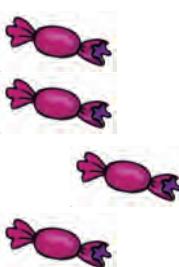


Yabela abahlobo abahlanu iilekese.

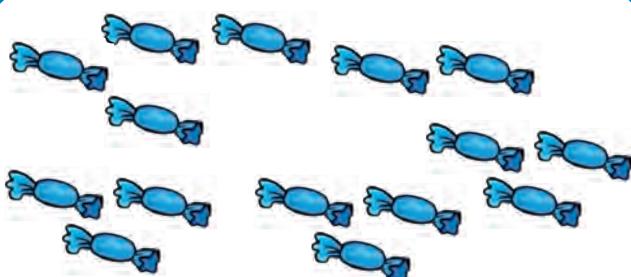
Uza kufumana iilekese ezingaphi emnye?



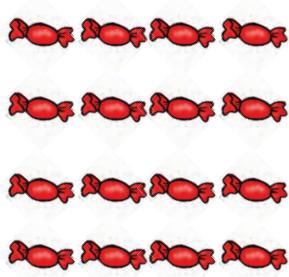
Umhlobo ngamnye uza kufumana  
iilekese ezi



Umhlobo ngamnye uza kufumana  
iilekese ezi



Umhlobo ngamnye uza kufumana  
iilekese ezi



Umhlobo ngamnye uza kufumana  
iilekese ezi

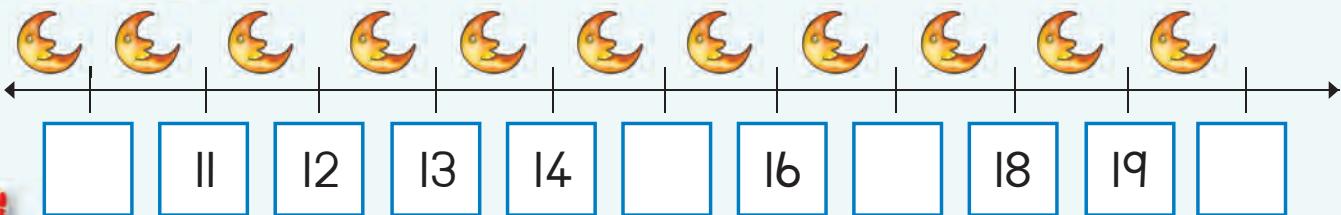


Faka umbala kwiziphindwa zeshlanu.

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



Bhala amanani angekhoyo.



100

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.

Kukho izibalisi ezi  ezishiyekileyo.

Yabela abantwana abahlanu izibalisi ezili -II.

Kukho isibalisi esi  esishiyekileyo.

Yabela abantwana abahlanu izibalisi ezi -b.

Kukho isibalisi esi  esishiyekileyo.

Yabela abantwana abahlanu izibalisi ezili -Ib.



Bhala isivakalisi - manani kumfanekiso ngamnye:



$5 + 5 =$





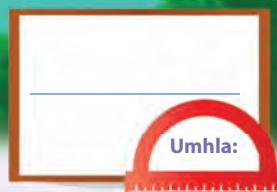
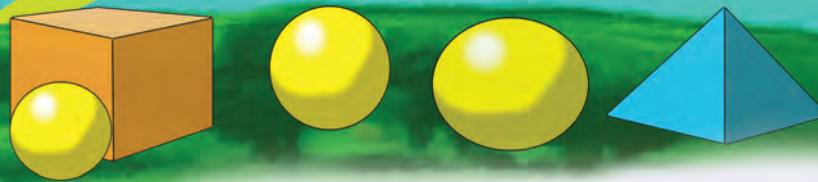




Teacher:  
Sign:  
  
Date:



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Ikota 4

## Ipathereni zamanani – izihlanu ukuya kwi-100



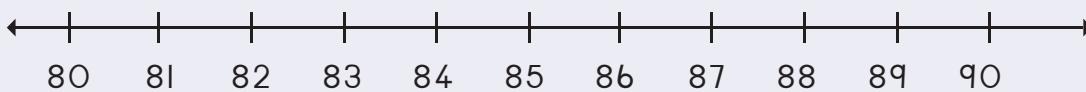
Gqibezela ipathereni ngokufakela imibala kwiziphindwa zezihlanu.

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

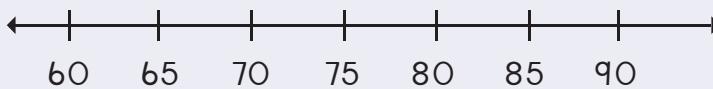


Yenza izazinge ubonise oku:

86, 88, 90



70, 75, 80



55, 60, 65, 70



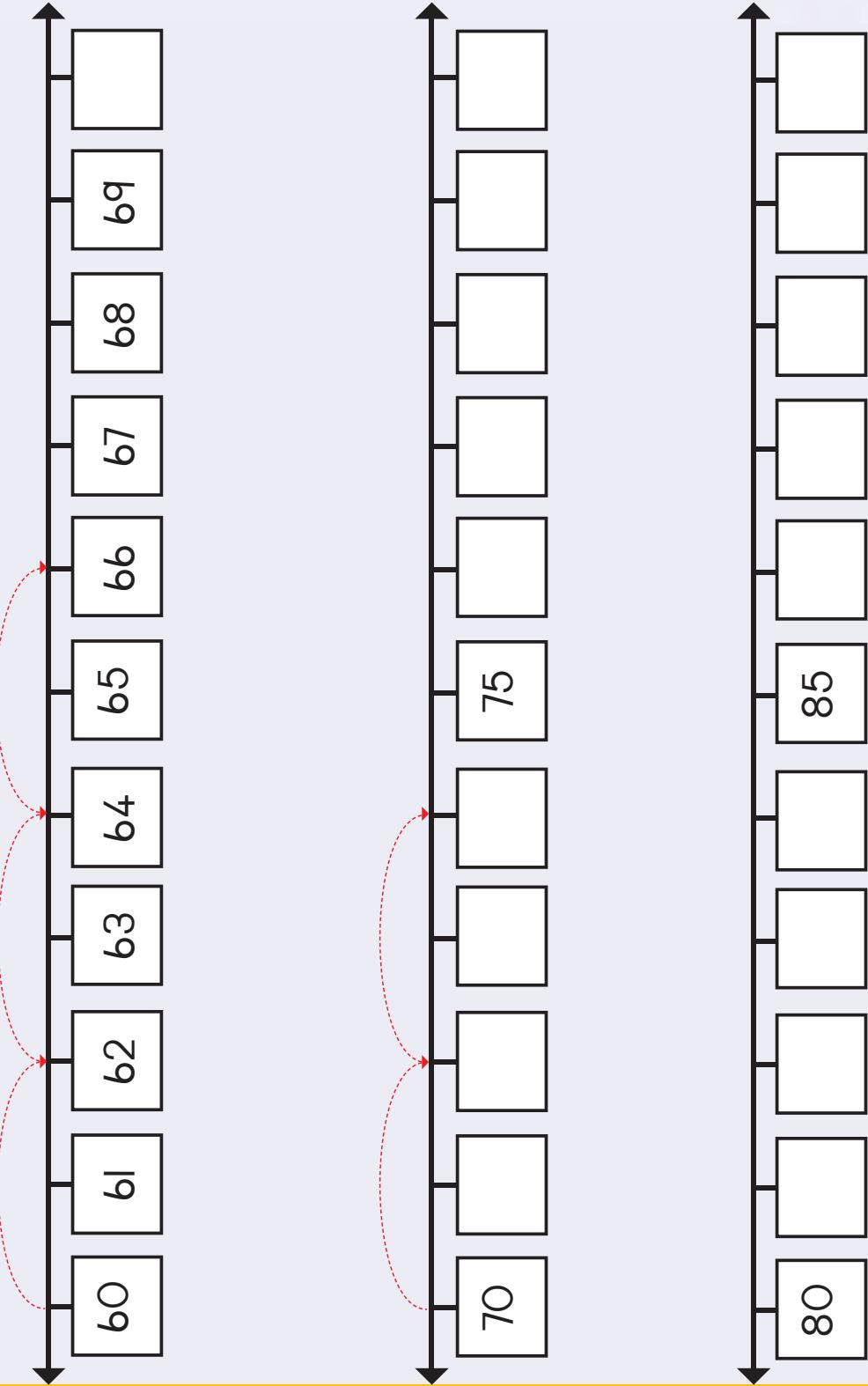
Sebenzisa iwotshi ubonise ukubala imizuzu ngezihlanu.



0 1 2 3 4 5 6 7 8 9 10



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



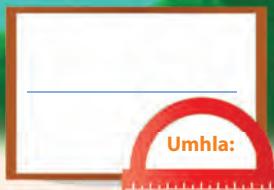
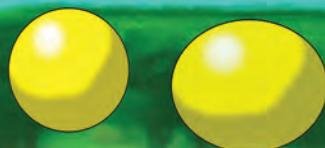
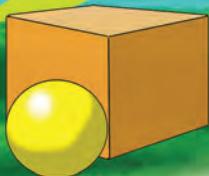
|| 12 13 14 15 16 17 18 19 20



Teacher: Sign:
Date:



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## Indawo nembonakalo

Ikota 4



Tshatisa umphambili  
nomva wesilwanyana  
ngasinye.

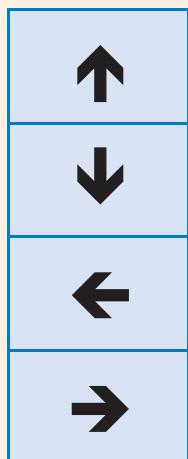
Umphambili



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



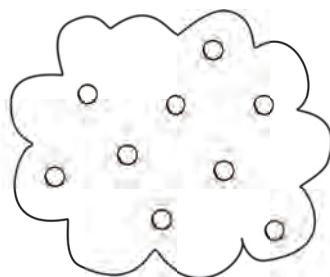
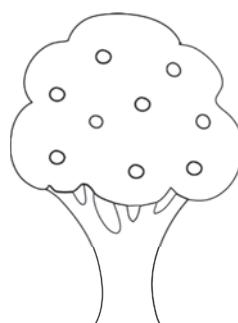
Ngasemva

Ngaphambili

Ecaleni



Jonga le mifanekiso  
mibini. Faka umbala  
kwimbonakalo  
yangaphezulu.



Teacher:  
Sign:

Date:



11

12

13

14

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16

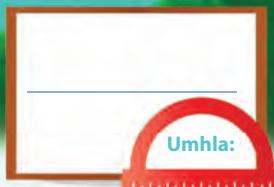
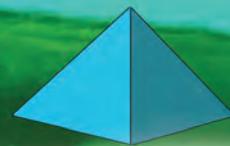
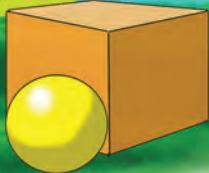
17

18

19

20

117



## Amaqela ezibini ukuya kutsho kuma -20



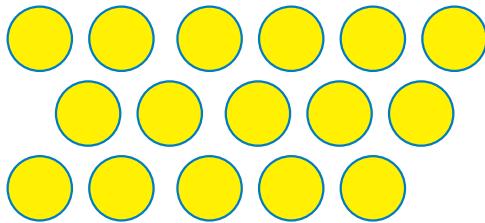
Yenza amaqela ezibini. Bhala phantsi ukuba mangaphi na amaqela akhoyo.

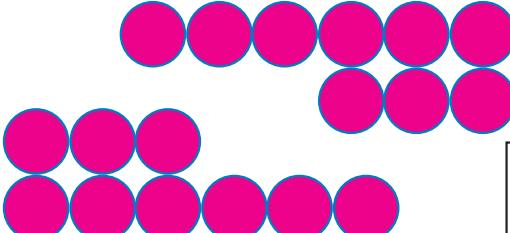






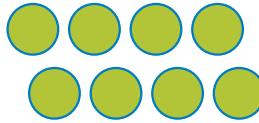
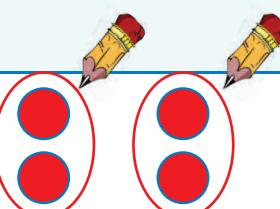








Yenza amaqela ezibini. Wazobe la maqela.



0

1

2

3

4

5

6

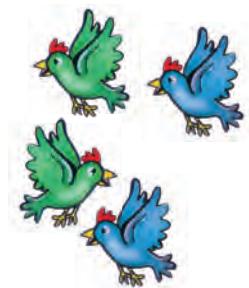
7

8

9

10

 Phendula imibuzo.



Zingaphi iintaka ezikhoyo?

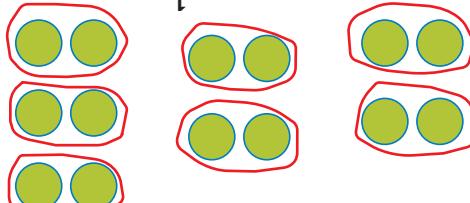
Mangaphi amaqela ezibini  
onokuwenza?

Bhala izivakalisi - manani.

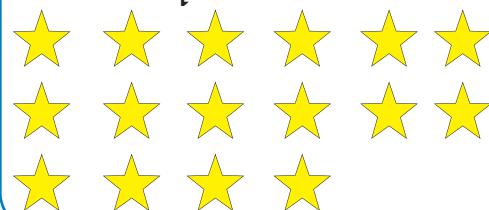


Biyela ngesangqa  
ukuze wenze oku.

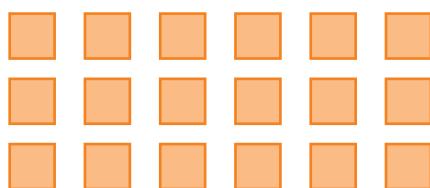
Amaqela ezi - 2 asi - 7



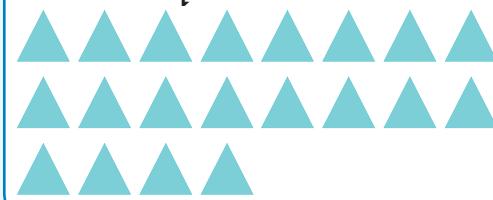
Amaqela ezi - 2 asi - 8



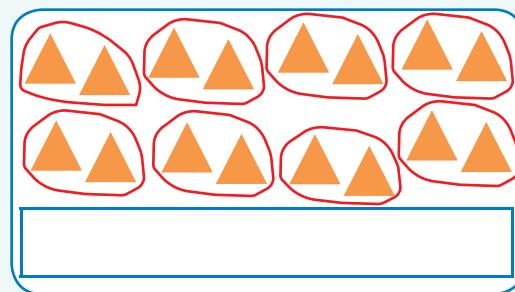
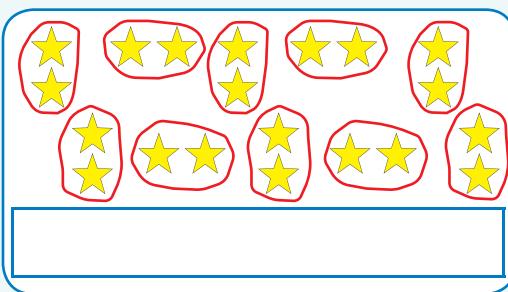
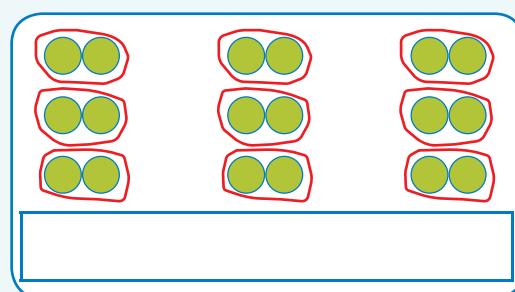
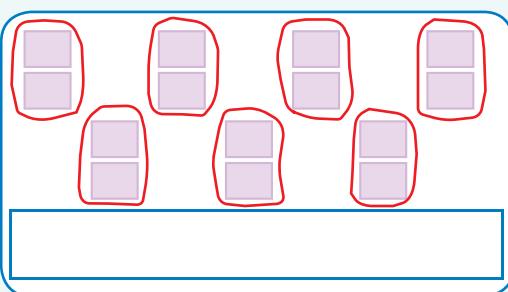
Amaqela ezi - 2 ali - 9



Amaqela ezi - 2 ali - 10



Bhala  
isivakalisi - manani  
kumfanekiso  
ngamnye.



11

12

13

14

15

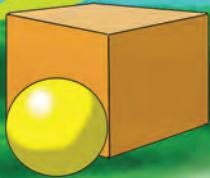
16

17

18

19

20

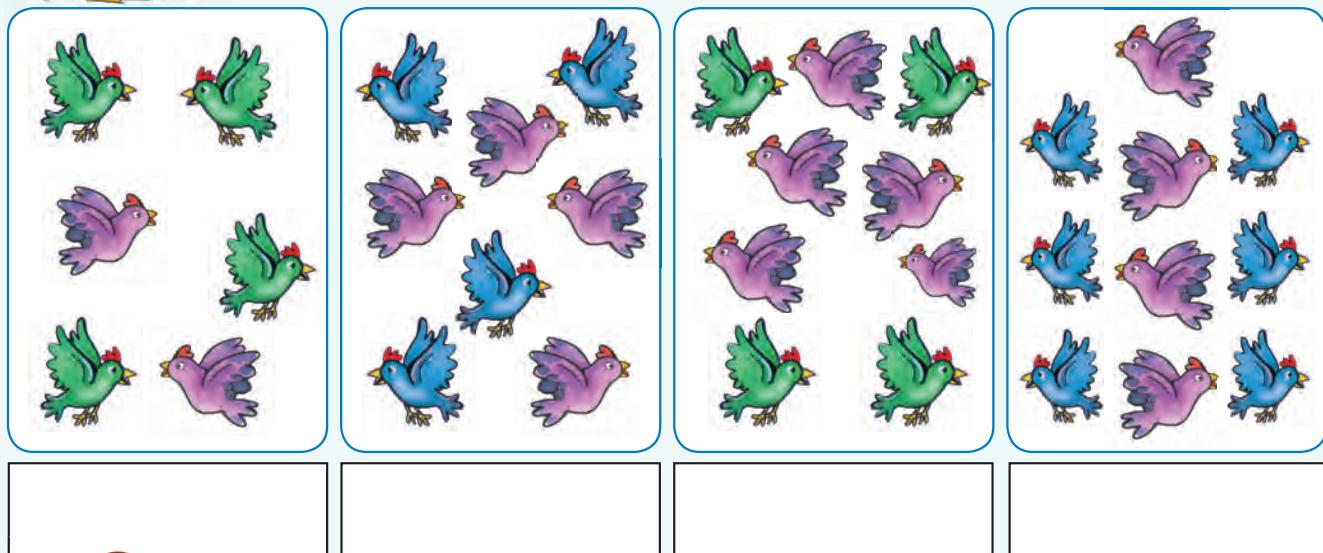


## Izibini – ukudibanisa okuphindiweyo ukuya kuma -20



Mangaphi amanqina akhoyo? Bhala isivakalisi - manani kwibloko nganye.

Ikota 4



Zoba iimilo ezimele oku:

$$2 + \boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} = \boxed{14}$$



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

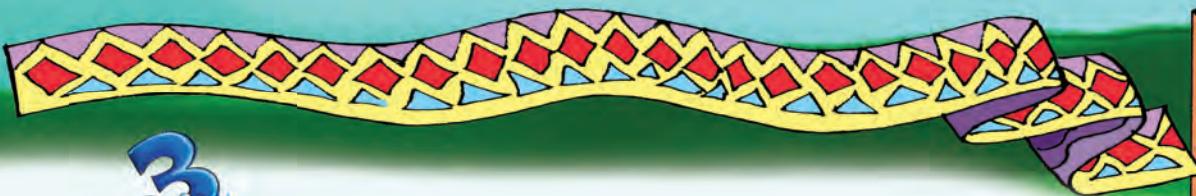


$$2 + \boxed{2} = \boxed{\quad}$$

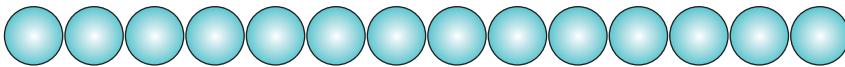


$$\boxed{2} + \boxed{2} = \boxed{\quad}$$

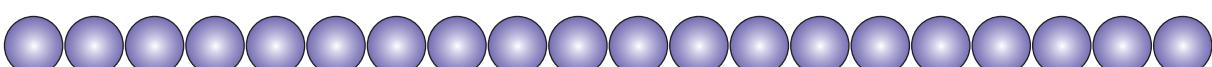




Bhala isivakalisi - manani kumfanekiso ngamnye:



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



Faka umbala  
kwiziphindwa zesibini.

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



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

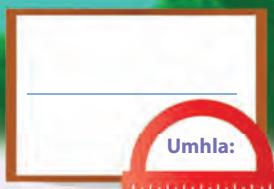
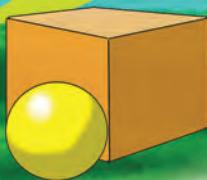
Ndineelekese ezi .



Teacher:  
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IIq



Ikota 4



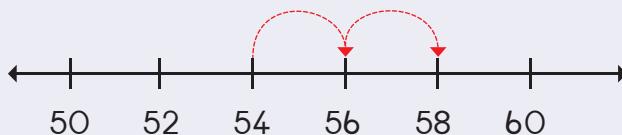
Gqibezela  
ipatheni ufakele  
imibala kula  
manani.

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

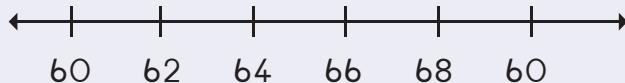


Yenza izazinge ubonise oku:

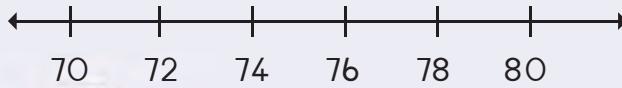
54, 56, 58



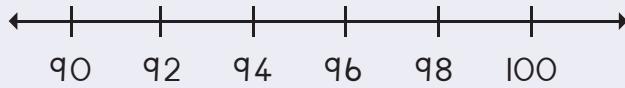
64, 66, 68



74, 76, 78



94, 96, 98

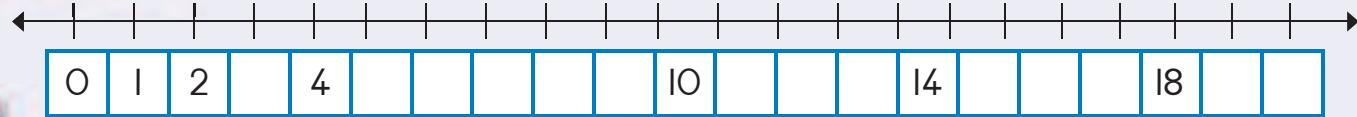


Fakela amanani ashijiwewo. Fakela umbala kule patheni: 2, 4...

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 ashijiwewyo.  
Gqibezela izazinge.

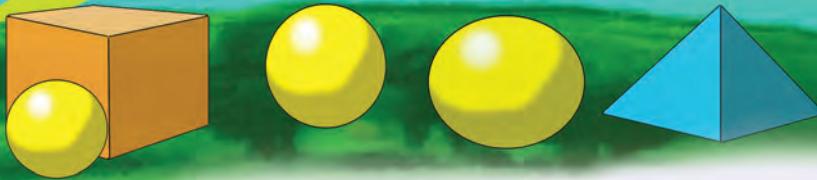


11 12 13 14 15 16 17 18 19 20



Teacher:  
Sign:  
Date:



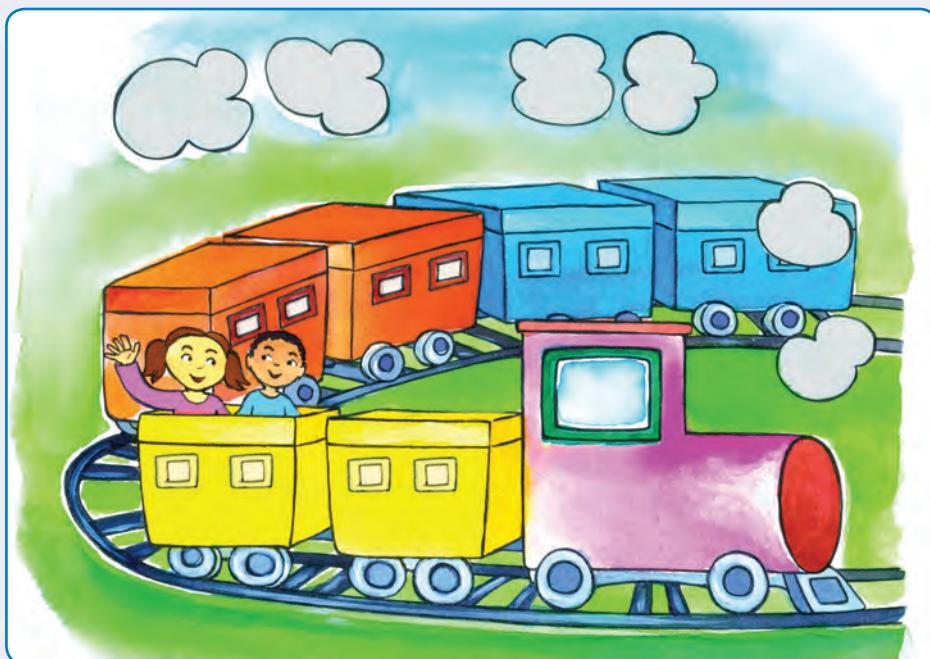


## Iipatheni zamanani – izibini ukuya kutsho kwi-100

Ikota 4



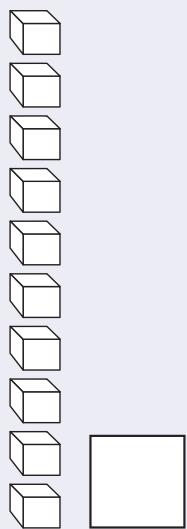
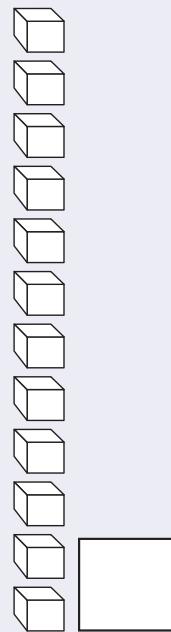
Zikhona iipatheni zezibini ozibonayo?



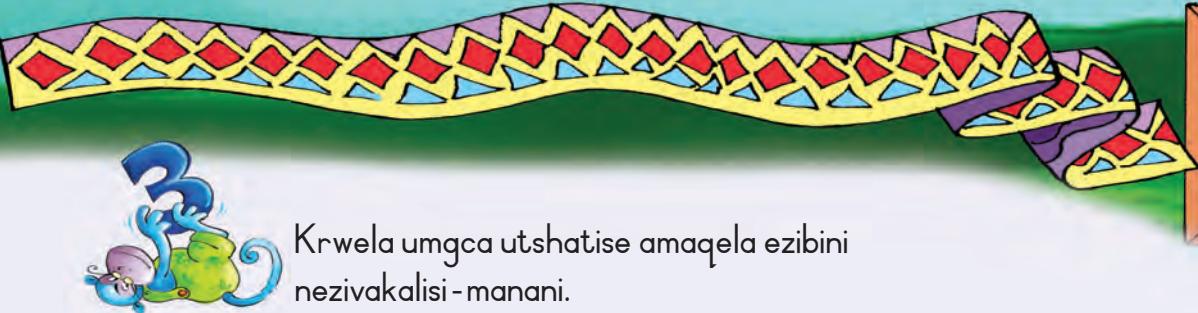
Fakela umbala kwiibloko ubonise amaqela ezibini.  
Bala ukuba mangaphi amaqela akhoyo.



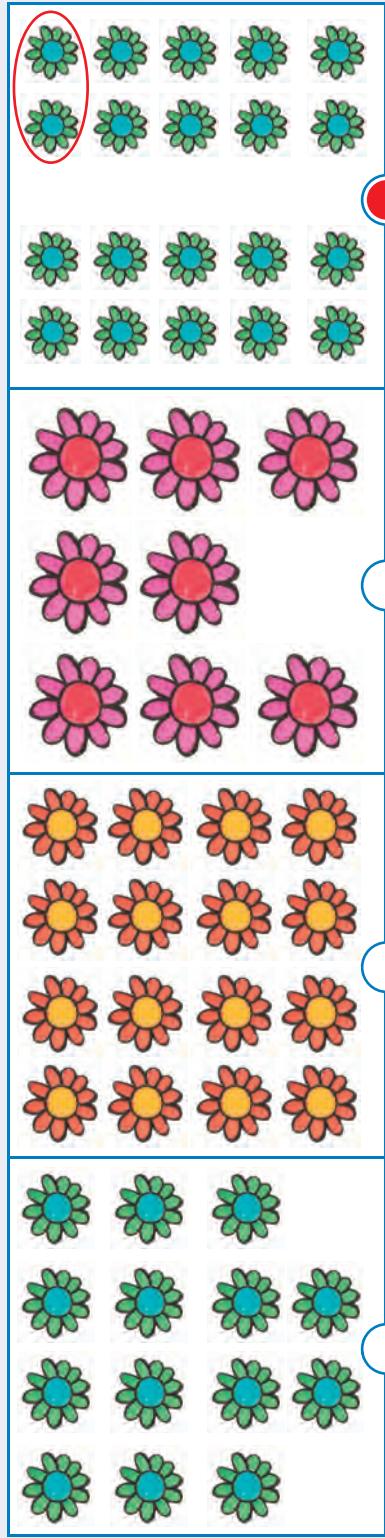
4



0 1 2 3 4 5 6 7 8 9 10



Krwela umgca utshatise amaqela ezibini  
nezivakalisi - manani.

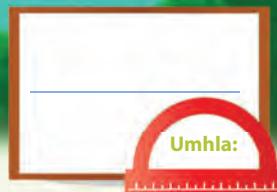
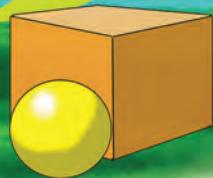


$2 + 2 + 2 + 2 = 8$
$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$
$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20$
$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$



Teacher: Sign:
Date:



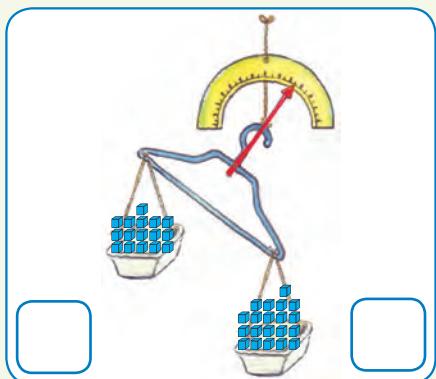
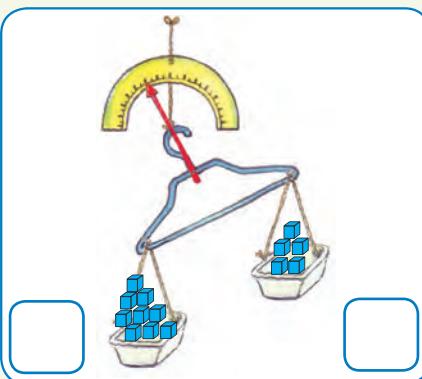
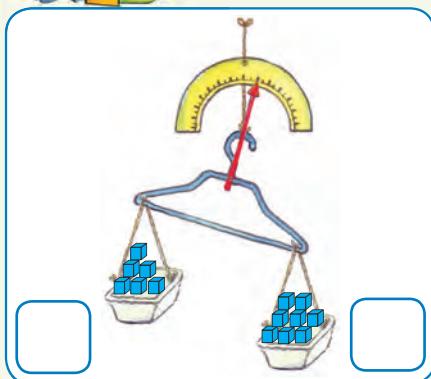


## Ubunzima

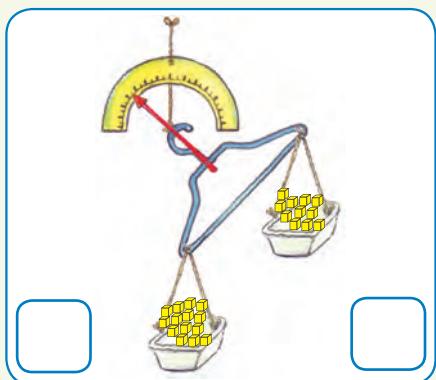
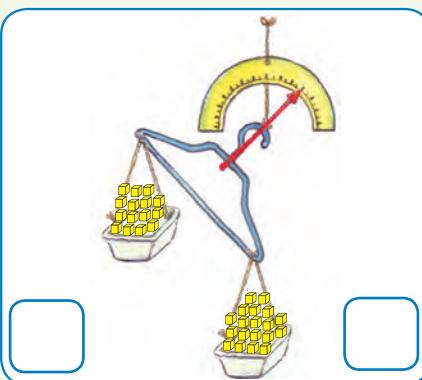
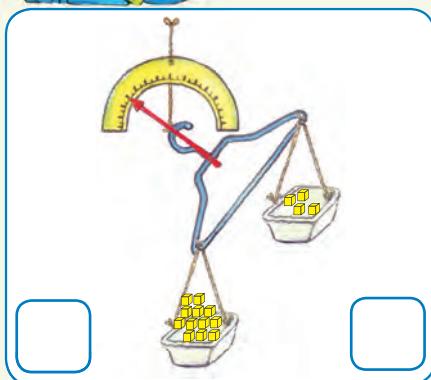
Ikota 4



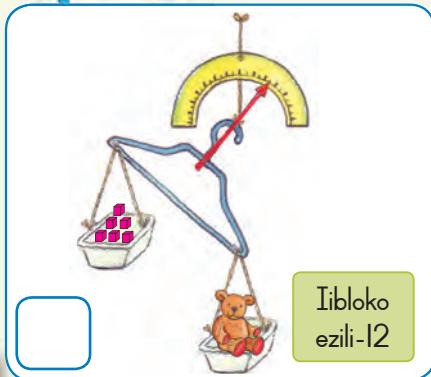
Bhala ukuba zingaphi iibloko ezikwisikhongozelo ngasinye.  
Biyela isikhongozelo esinzima.



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



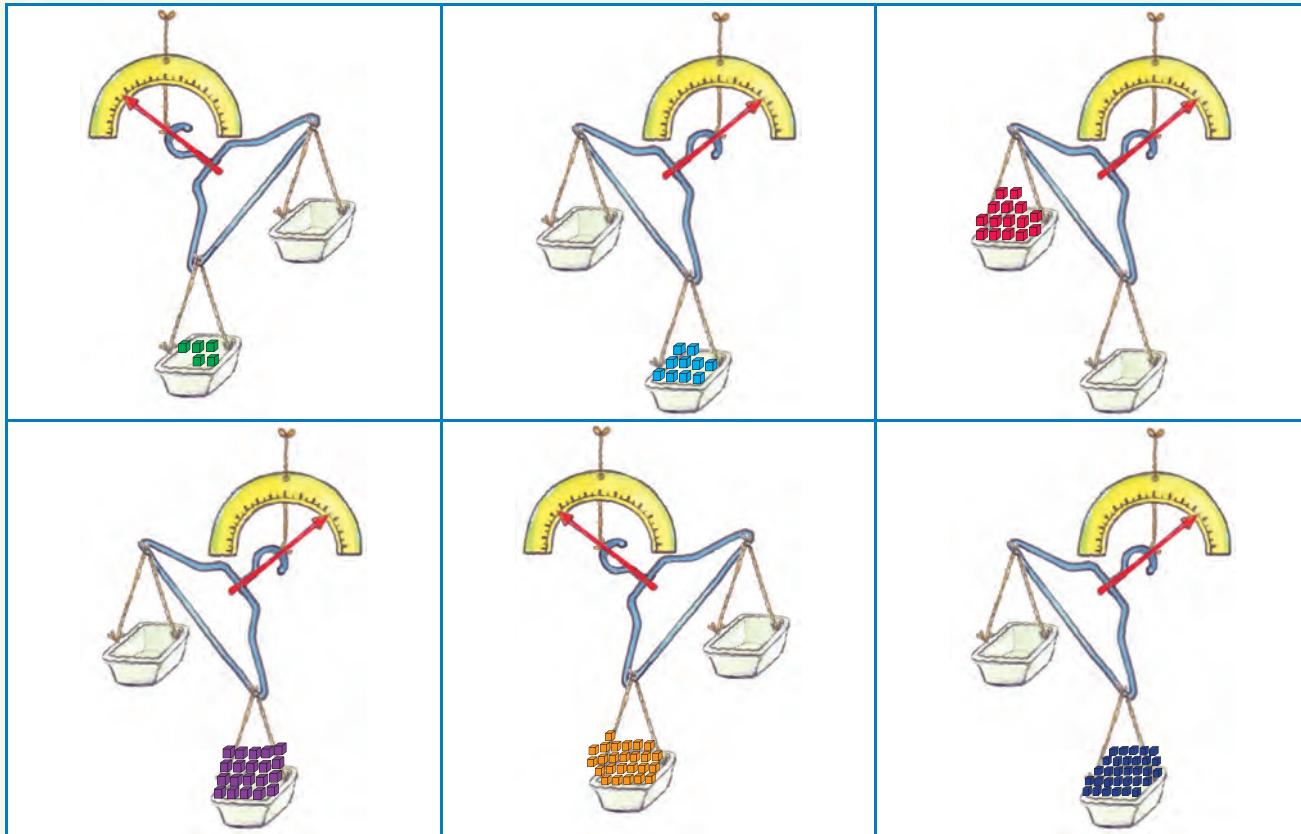
Bala ukuba zingaphi na iibloko. Bala ukuba zingaphi iibloko ezingaphezulu  
ezifunekayo ukuze kulinganiswe ithoyi. Isikali siyakuxelela ukuba ithoyi  
inobunzima obungakanani.



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Zoba into enzima okanye ekhaphu-khaphu kuneebloko.



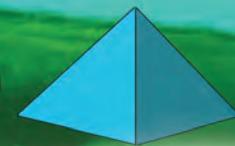
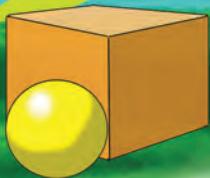
Sebenzisa naziphi na izinto ezintlanu ezisedesikeni yakho. Qala uqikelele ukuba inobunzima obungakanani uze wakugqiba uyilinganise esikalini ukhangele ukuba ingaba ingqikelelo yakho ichanekile na.

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



Teacher:  
Sign:  
Date:





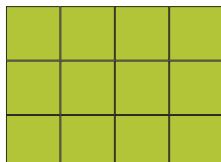
## Ukuphinda kabini

Ikota 4

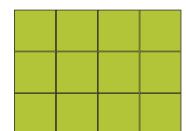
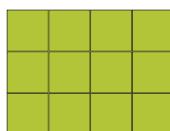


Phendula oku kulandelayo:

Zingaphi izikwere ezikhoyo?

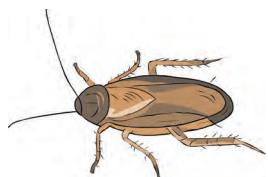


Zingaphi ezikhoyo ngoku?

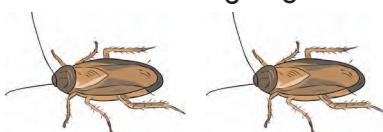


Sithi i-12 eliphindwe kabini lenza ama -24.

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 iiintsuku ezenza iveki?

C	Mv	Lb	Lt	Ln	Lhl	Mgq

Zingaphi iiintsuku 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



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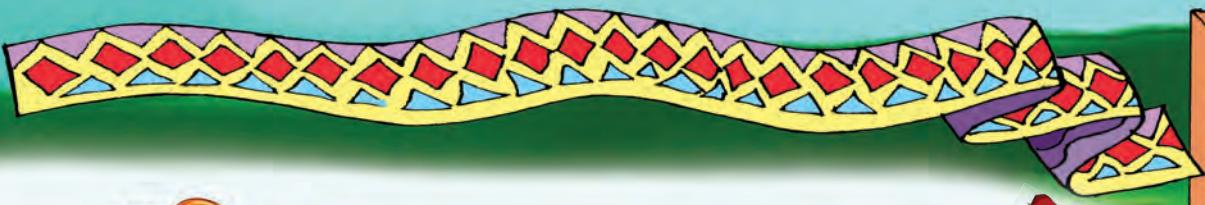
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Bhala  
impendulo.

Isi-4 esiphindwe kabini

=

8

i-10 eliphindwe kabini

=

i-11 eliphindwe kabini

=

Isi-2 esiphindwe

=

Isi-6 esiphindwe kabini

=



Bhala impendulo:



Isibini esiphindwe kabini senza

isine

Isithathu esiphindwe kabini senza

Isine esiphindwe kane senza

Isihlanu esiphindwe kabini senza

Isithandathu esiphiwe kabini senza

Isixhenxe esiphindwe kabini senza

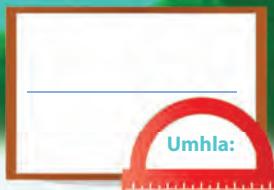
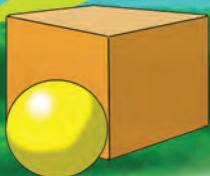


Gqibeza itheyibhile

$9 + 9 + 1 =$	<input type="text"/>	okanye	Phinda kabini i-9 + 1 =	<input type="text"/>
	<input type="text"/>	okanye	Phinda kabini i-8 + 1 =	<input type="text"/>
$10 + 10 + 1 =$	<input type="text"/>	okanye		<input type="text"/>
$7 + 7 + 1 =$	<input type="text"/>	okanye	Phinda kabini i-7 + 1 =	<input type="text"/>



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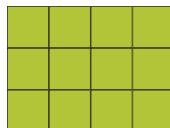
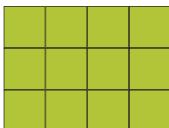
## Ukwahlula kubini

Ikota 4

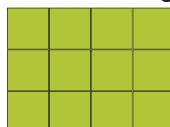


Phendula oku kulandelayo:

Zingaphi izikwere ezikhoyo?

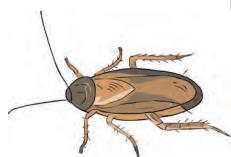
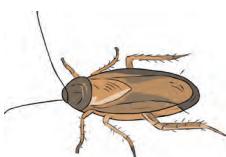


Zingaphi izikwere ezikhoyo ngoku?

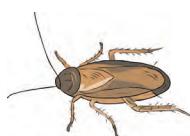


Sithi isiqingatha sama - 24 li - 12.

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 -



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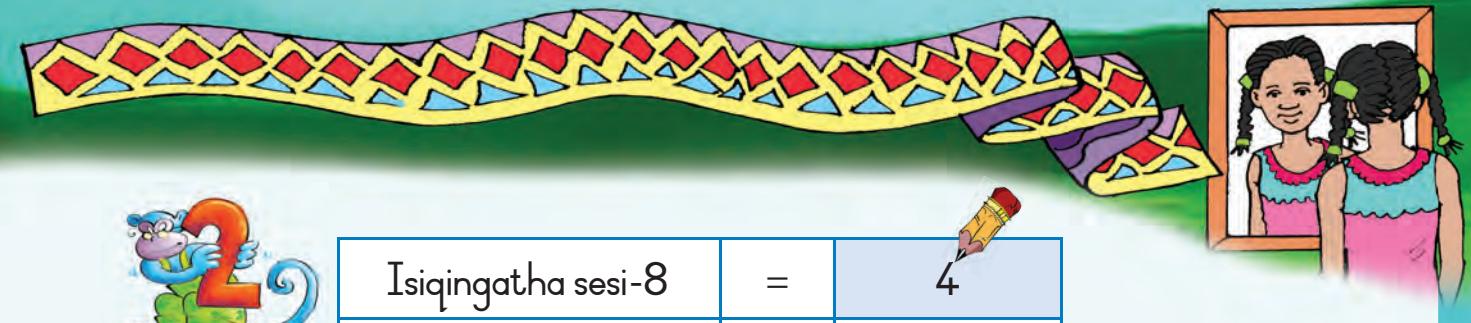
6

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Bhala  
impendulo.

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



Bhala impendulo.

Isiqingatha sesi <b>ne</b> sisi-	bini
Isiqingatha se <b>sithandathu</b> sisi-	
Isiqingatha sesi <b>bini</b> ngu-	
Isiqingatha se <b>bhozo</b> sisi-	
Isiqingatha se <b>shumi</b> sisi-	



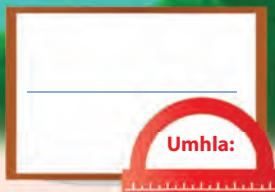
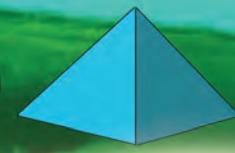
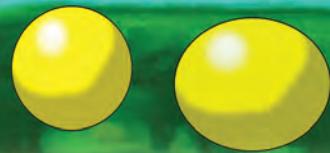
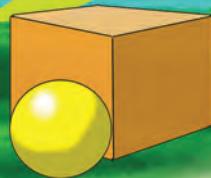
Bhala impendulo.

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



Teacher:  
Sign:  
Date:



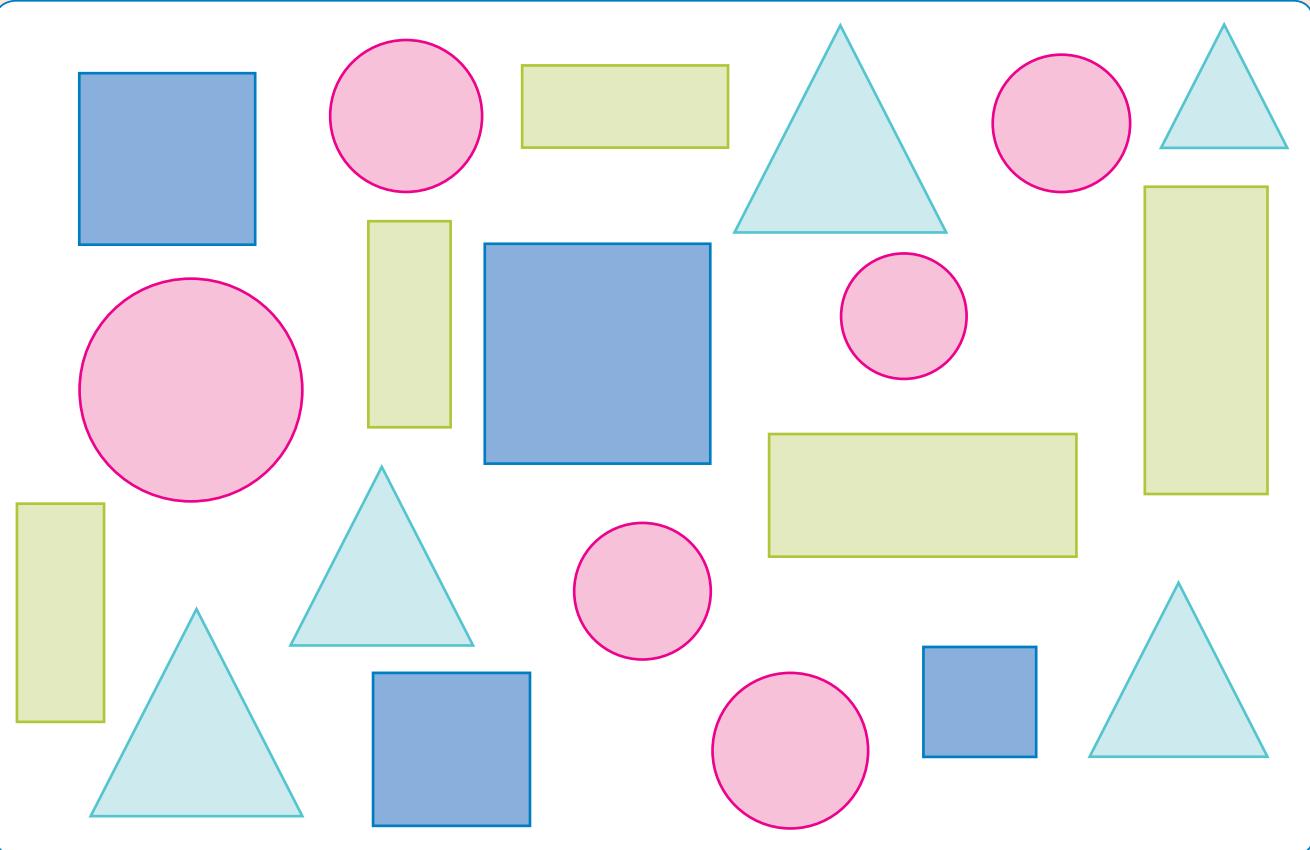


## Iinkcukacha



Bala ukuba zingaphi iimilo ezahlukeneyo ezikhoyo wandle ukuphendula imibuzo.

Ikota 4



1. Zingaphi izikwere ezikhoyo?



2. Bangaphi oonxantathu abakhoyo?

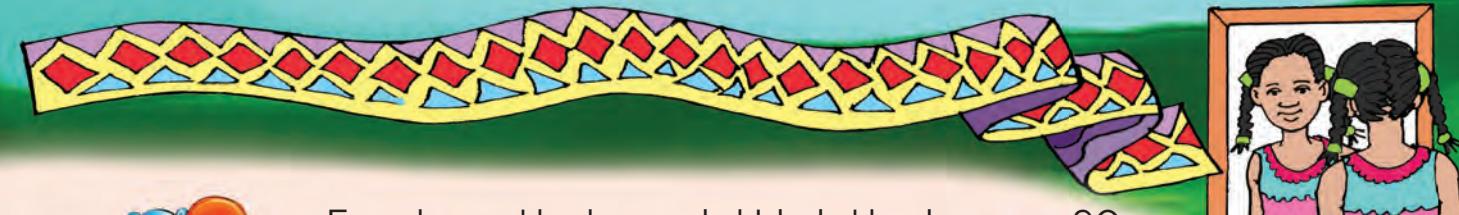


3. Zingaphi iingxande ezikhoyo?



4. Zingaphi izangqa ezikhoyo?





Ezi ziqhamo zikhethwe ngabahlobo bakho abangama-20.

Khawuzihlele uze uzobe kwigrafu yemifanekiso iziqhamo  
ozihlelileyo wandule ukuphendula imibuzo engezantsi.

Iziqhamo esizithandayo?

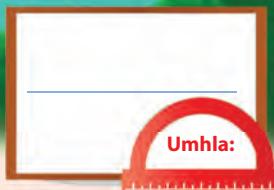
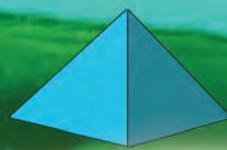
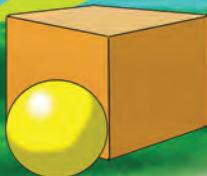
Isikhokelo =



Amaqunube	Ama-apile	Amapere	Iibhana	Ii-orenji

Bangaphi abantwana abathanda amaqunube?	
Bangaphi abantwana abathanda ama-apile?	
Bangaphi abantwana abathanda amapere?	
Bangaphi abantwana abathanda iibhana?	
Bangaphi abantwana abathanda ii-orenji?	
Sesiphi isiqhamo esithandwa kakhulu ngabantwana?	
Sesiphi isiqhamo esingathandwa kakhulu ngabantwana?	





# Ezinye iinkcukacha

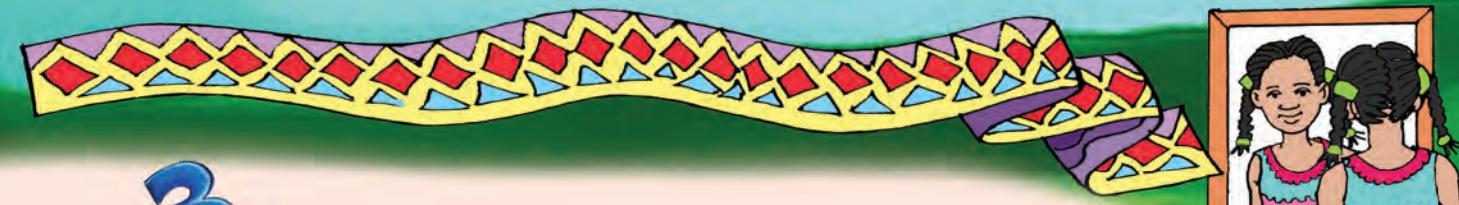


Abantwana abaseklasini banezi thoyi zokudlala zilandelayo.  
Umntwana ngamnye unezingaphi kuhlobo ngalunye?



## 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 =

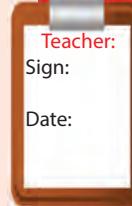


Oonopopi	Iitrakha	Oobherana	Iirobhothi

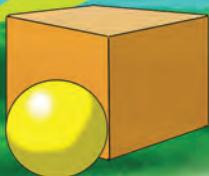


Phendula le mibuzo. Jonga kwigrafu yemifanekiso ikuncede.

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



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Ikota 4



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

## Umthamo



Phawula isikhongozelo  
esiya kuthatha  
umthamo omncinci.



Phawula isikhongozelo  
esiya kuthatha  
umthamo omninzi.



Ingaba ezi zikhongozelo  
zizele okanye azinanto?



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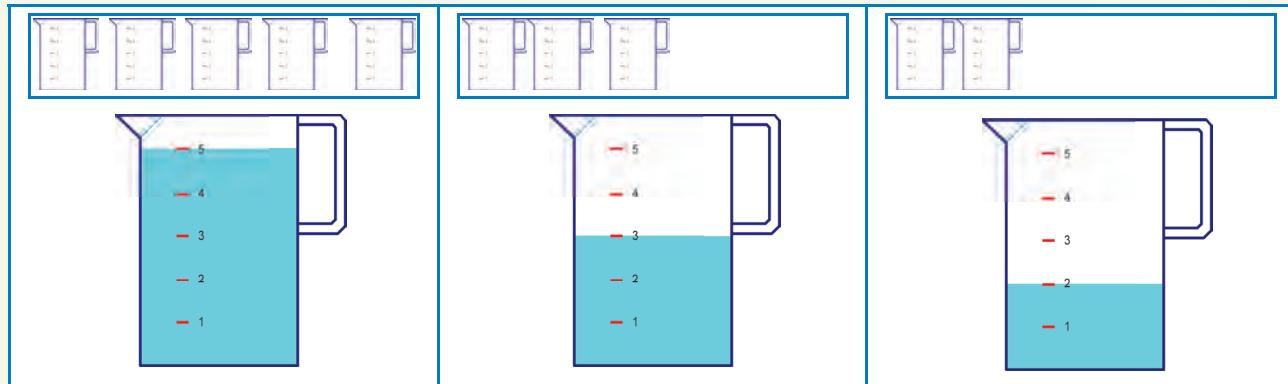
9

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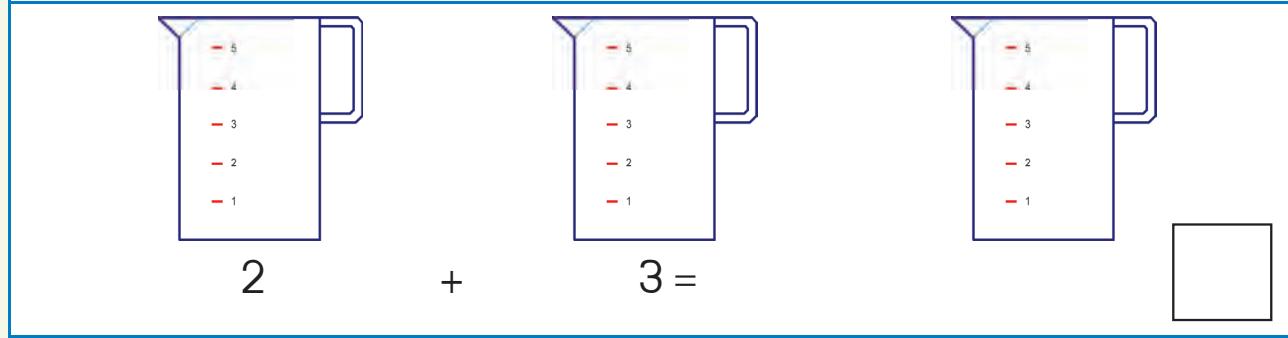
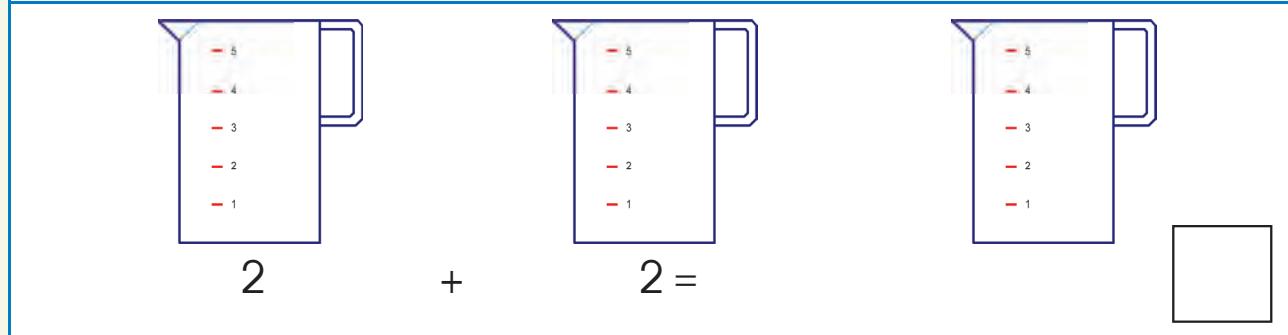
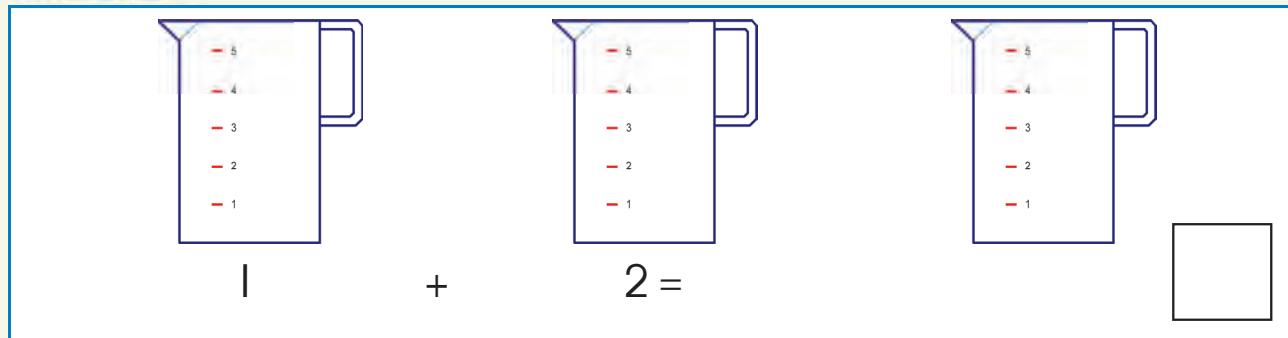


Kufuneka ndibe neekomityi ezintlanu ukuze ndizalise ijagi.

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



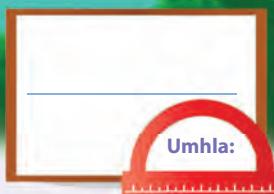
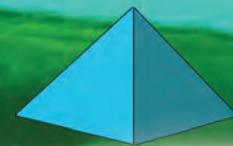
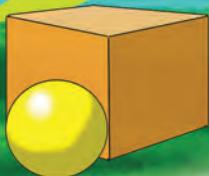
Faka umbala ubonise umthamo ochanekileyo wolwelo.



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Date:



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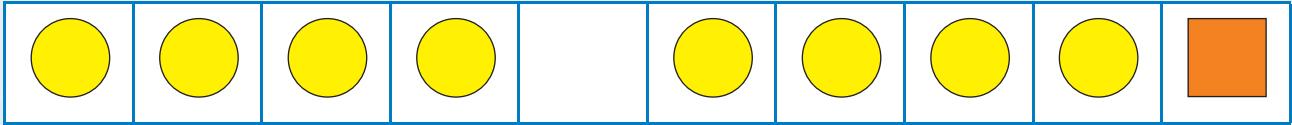
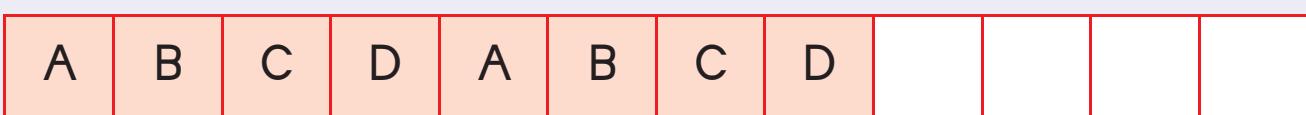
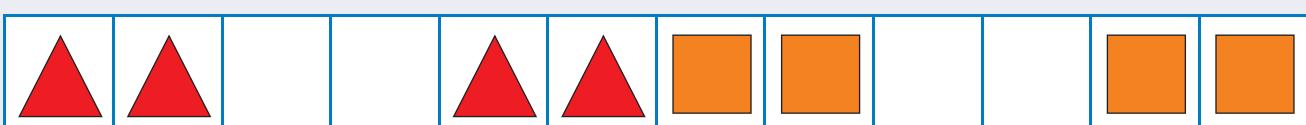
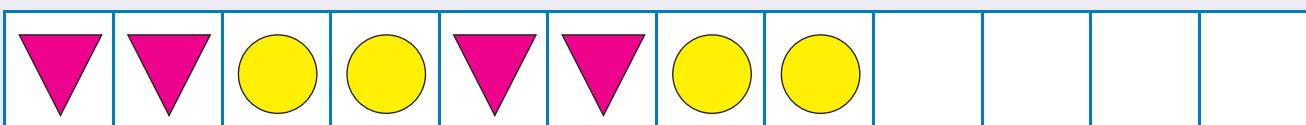
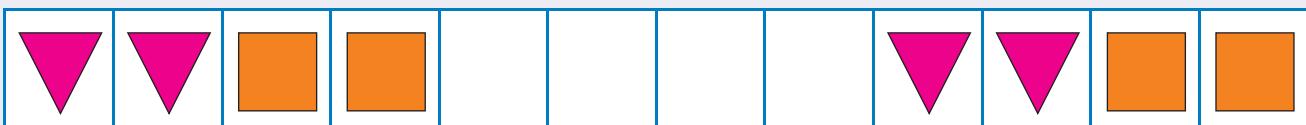
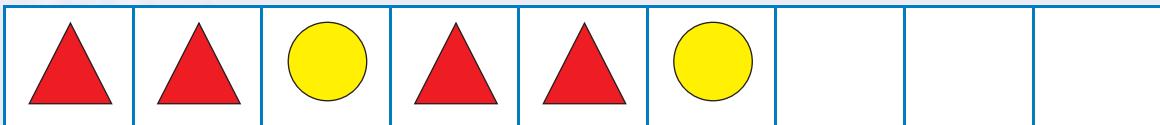


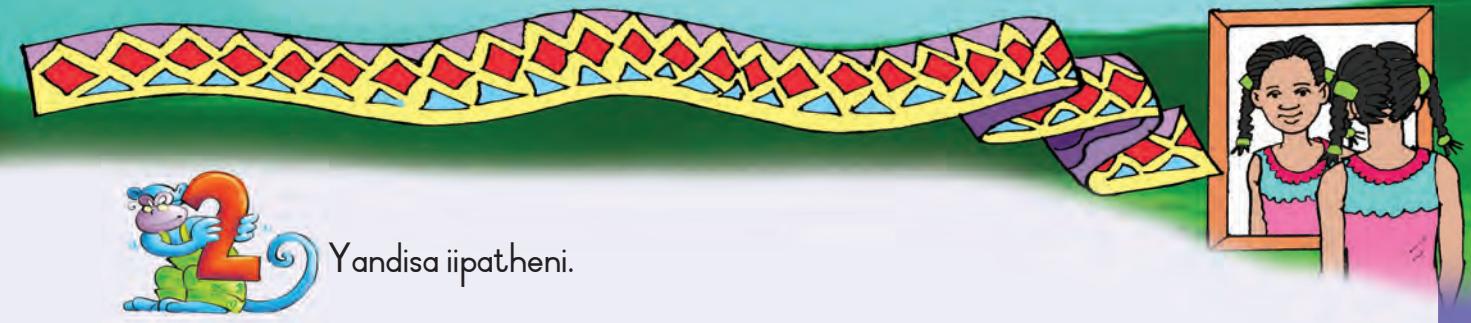
## Iipatheni zejometri



Gqibezela iipatheni.

Ikota 4





Yandisa iipatheni.



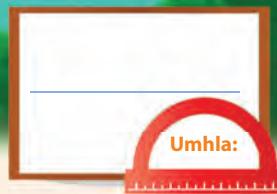
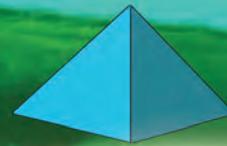
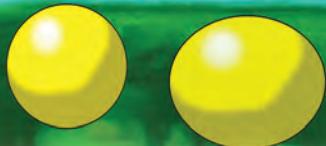
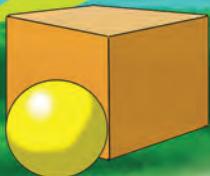



Zenzele ezakho iipatheni usebenzise izangqa, izikwere noonxantathu.




Teacher:  
Sign:  
Date:



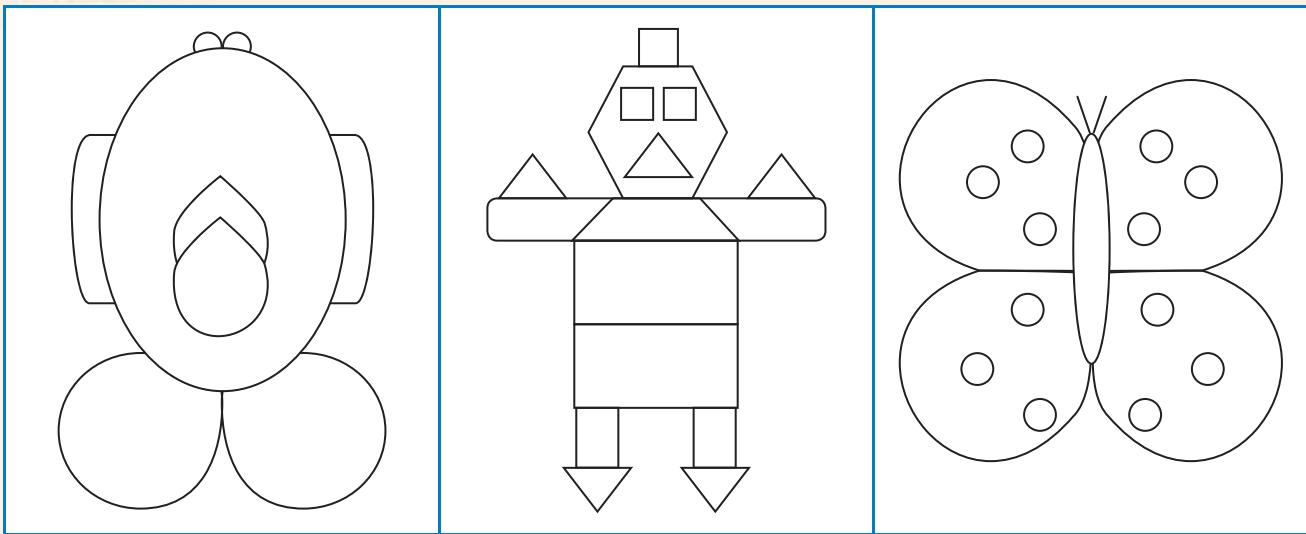


## Umatwa-totse

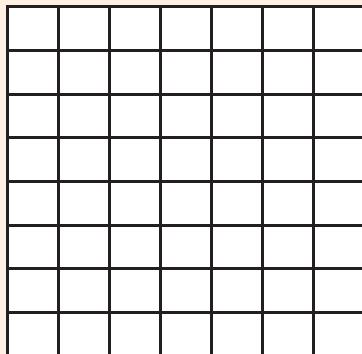
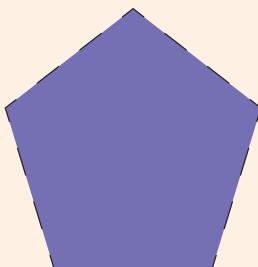
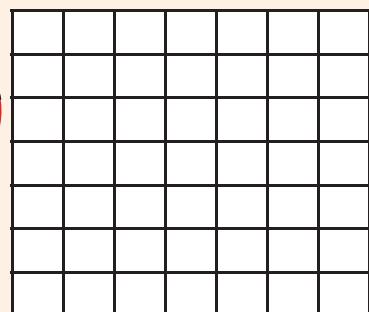
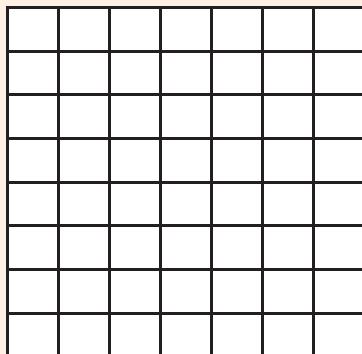
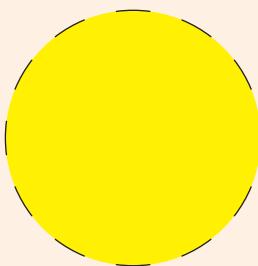
Ikota 4



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

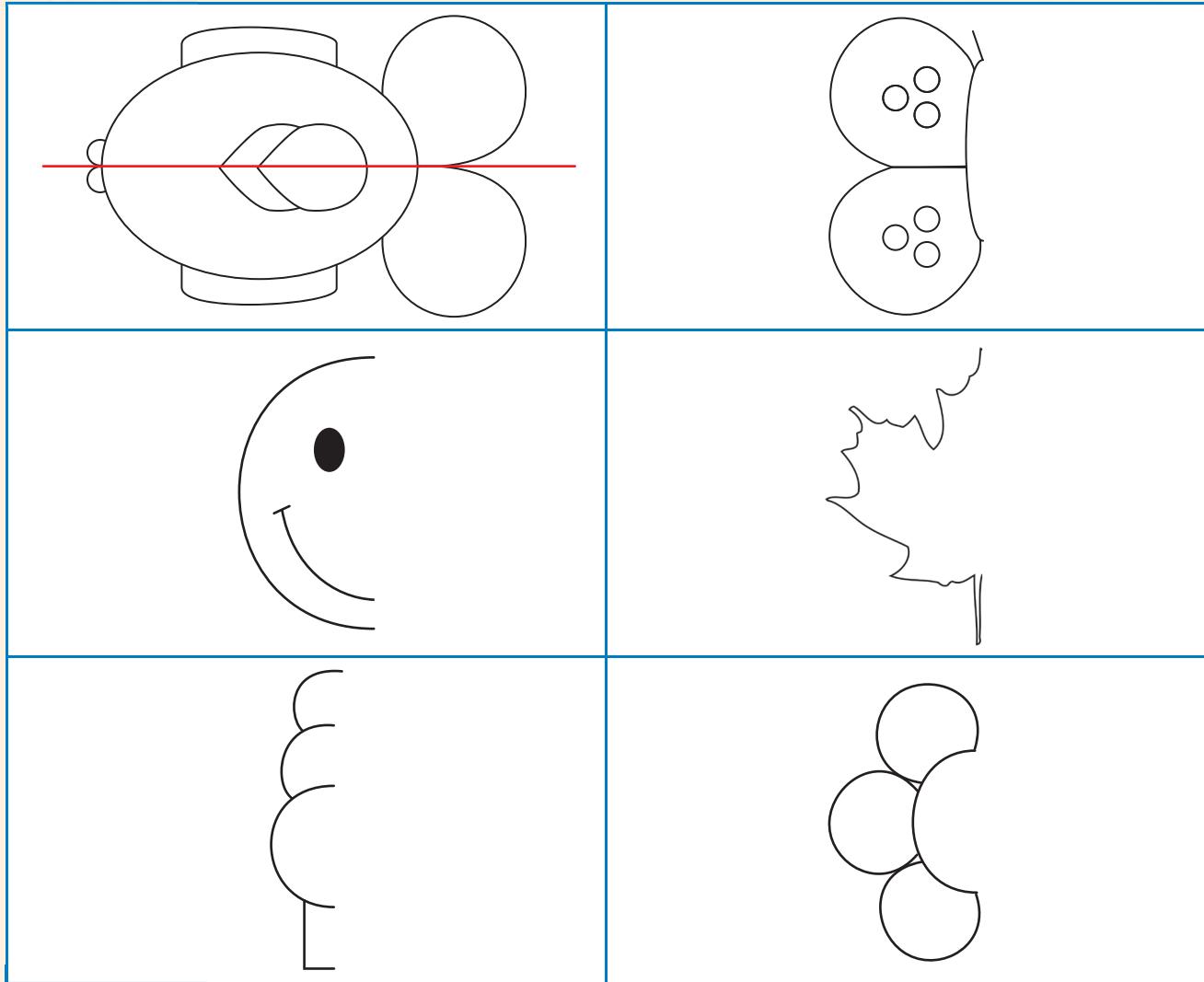


Khuphela ezi milo uze ukrwele umgca kamatwa-totse wakugqiba.

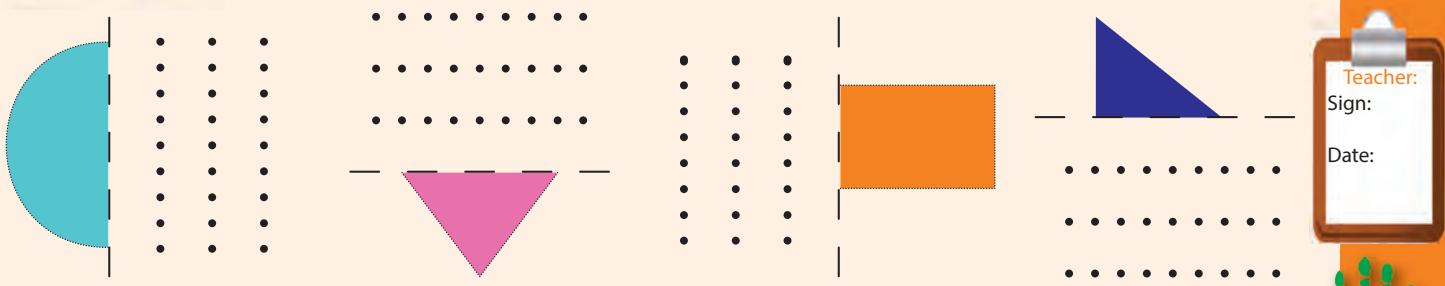




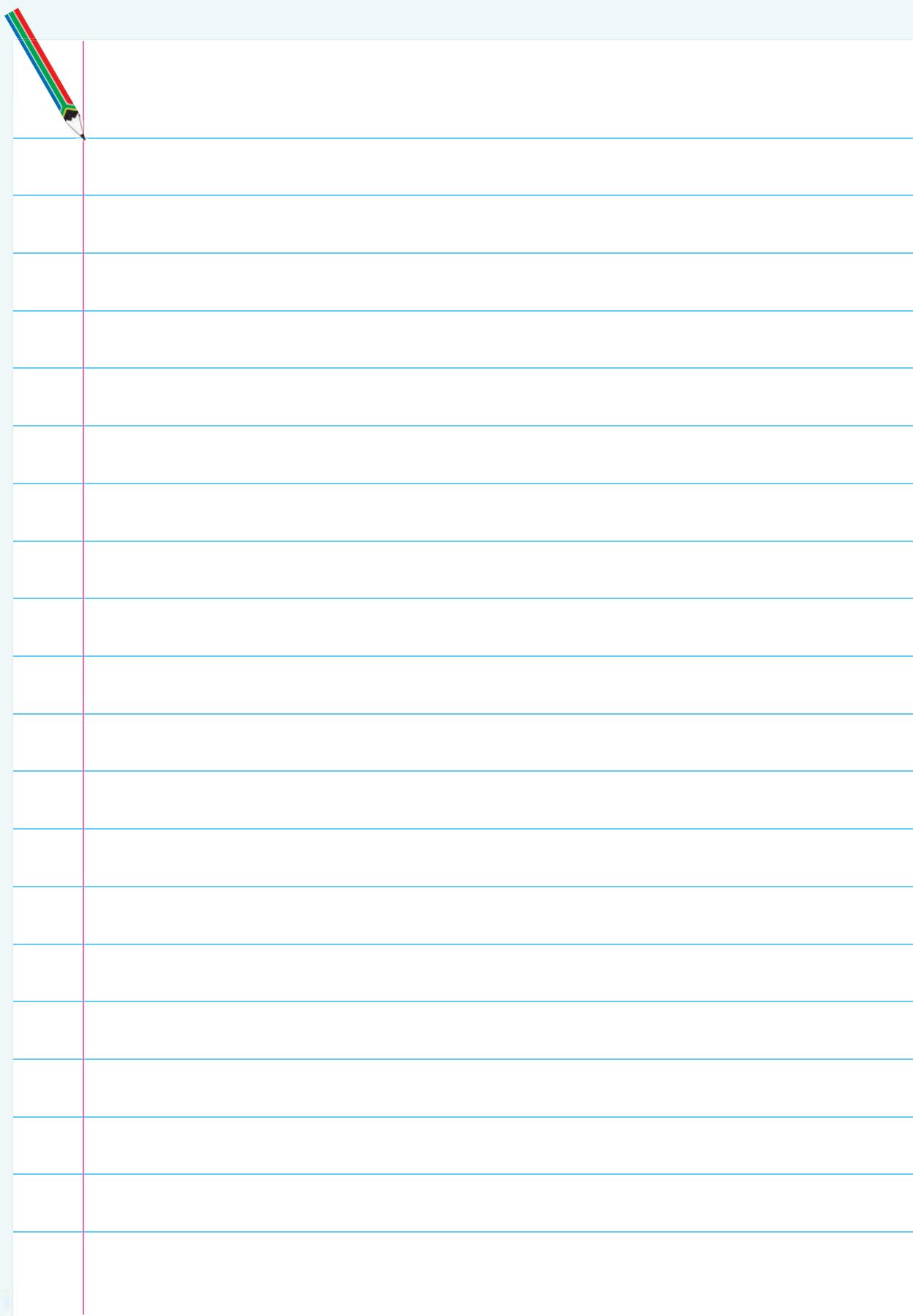
Gqibezela umfanekiso ngokuzoba elinye icala elifana twatse.



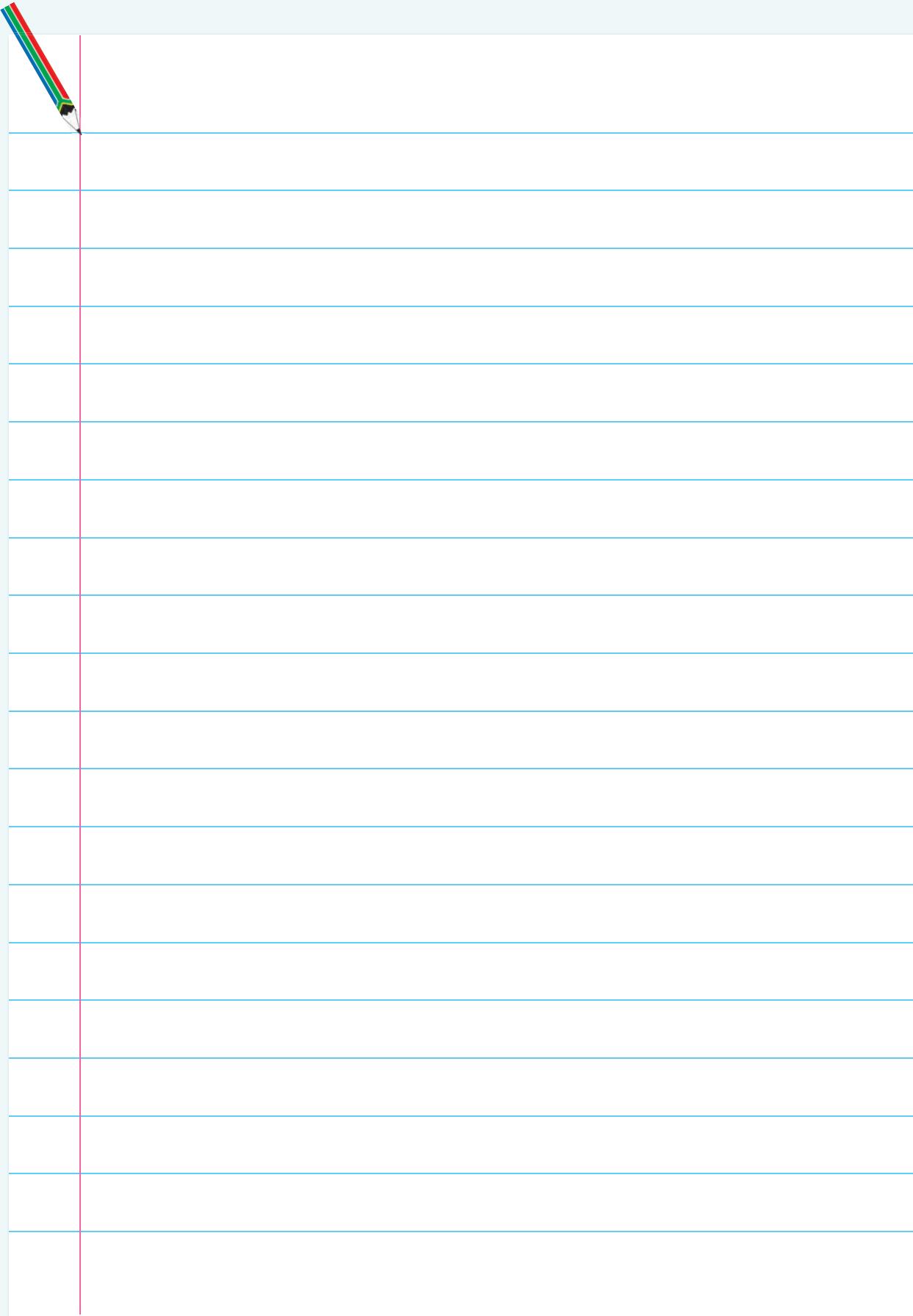
Zoba esinye isiqingatha somfanekiso.



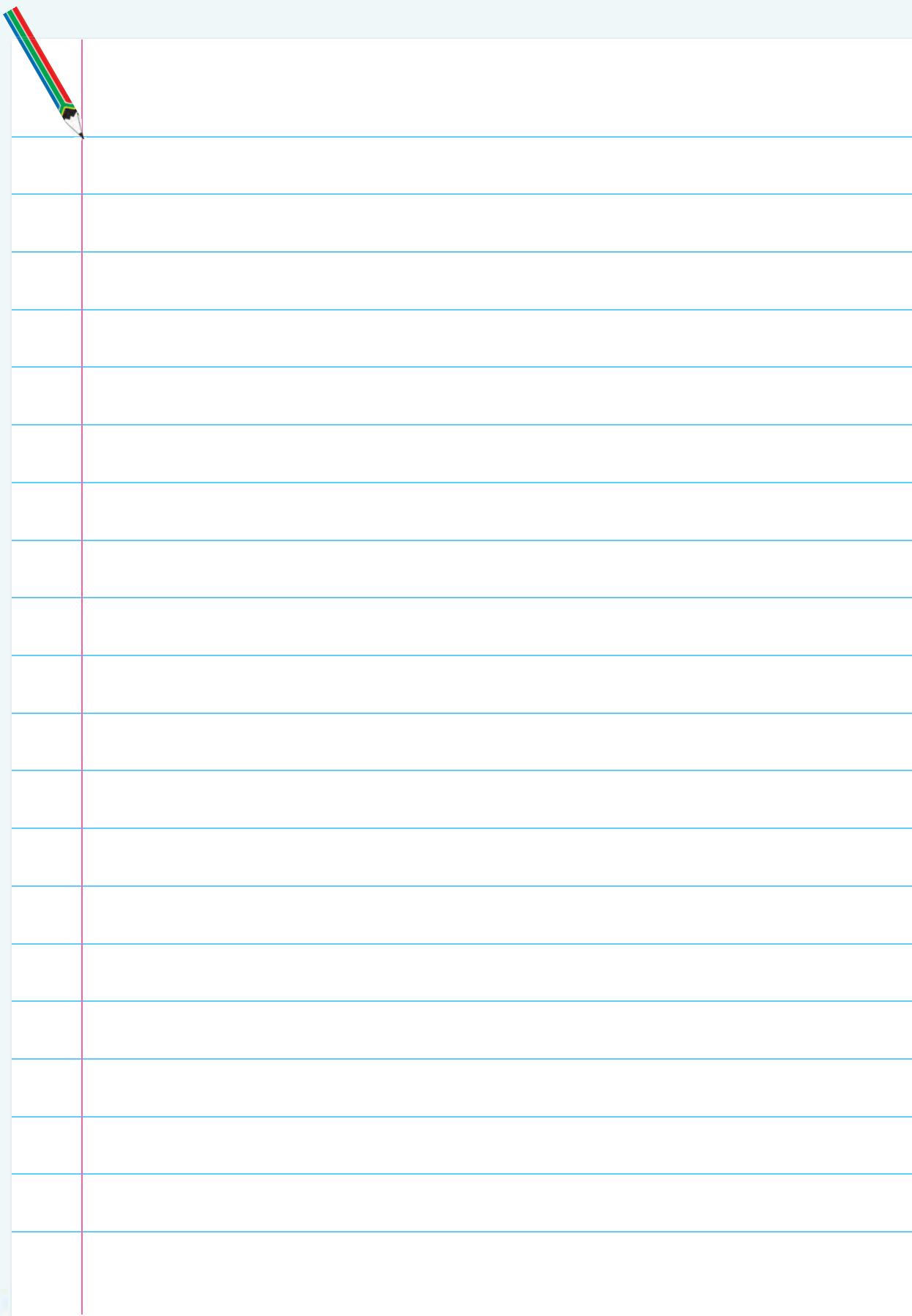
# Amanqaku



# Amanqaku

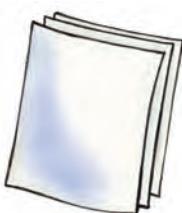
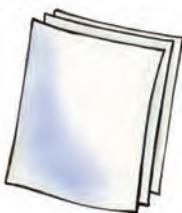
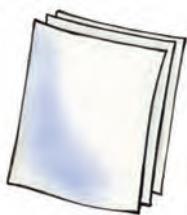


# Amanqaku



# Cut-out 1

## Worksheet 7q





# Cut out cards 2

## Worksheet 83

| 45 | 50 | 40 | 40 | 30 | 35 |

## Worksheet 84

| 70 | 65 | 75 | 80 | 70 | 60 |

## Worksheet 93

## Worksheet II5

72	78	82	84	86	74	80
76	88	90				

## Worksheet IIq

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

