

**Ukufunda ngoMgaqo-siseko weRiphabliki yoMzantsi Afrika (1996)**

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

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

**Masiyazi imvelaphi yethu.**

**Masingaphindi iimpazamo zexesha elidlulileyo.**

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

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

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

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

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

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

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

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

**Wazi amalungelo akho noxanduva lwakho.**

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

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

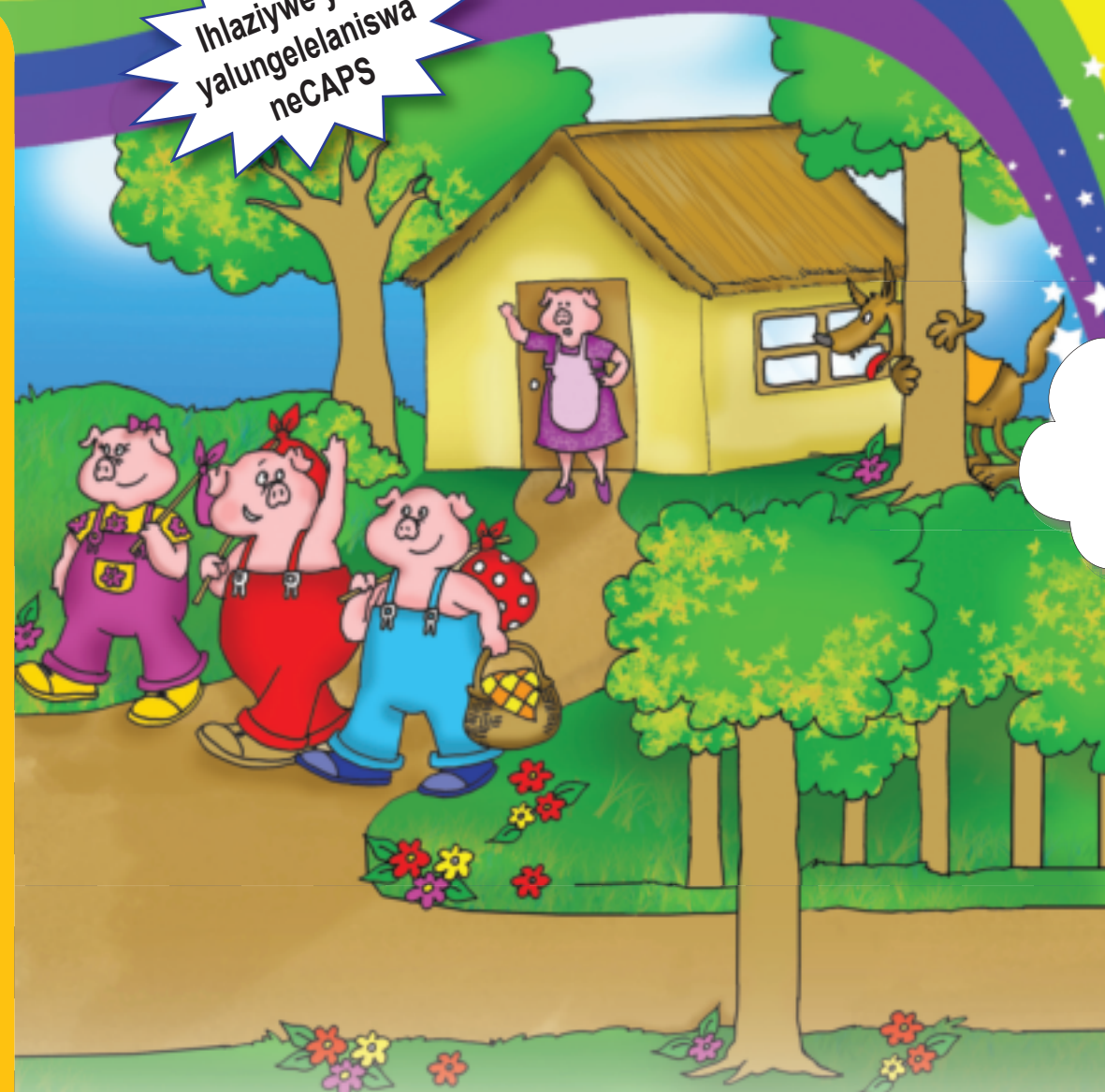
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14th Edition**

**1 2 3 4**

IZIBALO NGESIXHOSA – Ibanga loku-1 Inowadi yoku-2

ISBN 978-1-4315-0127-4

**Ihlaziye yaze yalungelelaniswa neCAPS**



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Iklasi:



**basic education**

Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA

**IZIBALO  
NGESIXHOSA**

Inowadi yoku-2  
Ikota 3 & 4

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UNksz Angie Motshekga  
uMphathiswa weMfundo  
esisiSeko



UGqir Reginah Mhaule  
uSekela Mphathiswa  
weMfundo esisiSeko

Ezi ncwadi zilungiselelwe abantwana boMzantsi Afrika phantsi kwephiko loMphathiswa weMfundo esisiSeko uNksz Angie Motshekga kunye noSekela Mphathiswa weMfundo uGqir Reginah Mhaule.

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

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

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

Sinqwenela ukuba nibe nempumelelo ekusebenziseni ezi ncwadi.



Ibanga  
loku-



I M a t h e m a t i k a

# NGESIXHOSA

Le ncwadi yeka-:



ISIXHOSA

Incwadi  
yesi-

2

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

# Masiqonde inani II

Ikota 3

Uhlaziyo:

Ziqhelise ukubhala la manani.

 inye

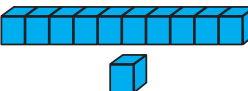
1 1

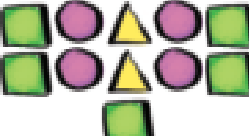
 zimbini

2 2



Tshatisa imifanekiso.






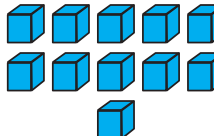
10 1


11





11



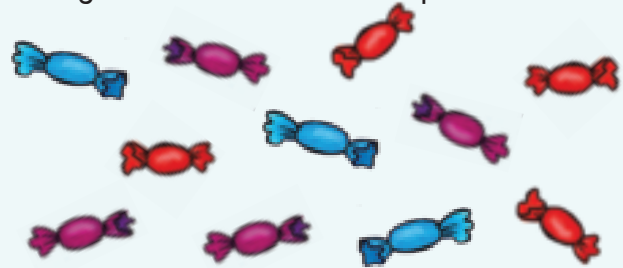


10 1



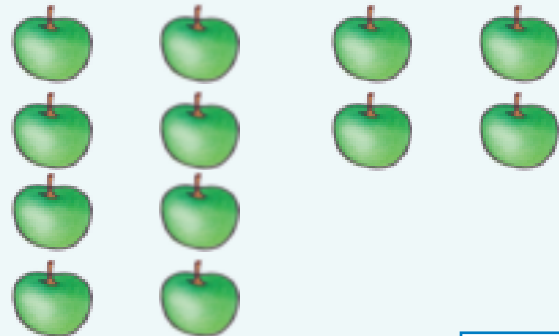
Biyela ezi zinto.

Biyela iilekese ezilishumi kuphela.



Zingaphi iilekese ezishiyekileyo?

Biyela ama-apile alishumi kuphela.



Mangaphi ama-apile ashiyekileyo?





Khuphela la manani.



Ikhohlam nganye kufuneka yenze i-ll xa iyonke. Fakela amanani ashijiweyo.

ishumi elinanye			

3	5	4
4	5	
4		2
ll	ll	ll



Zoba izinto zibe li-ll.



Fakela amanani ashijiweyo.

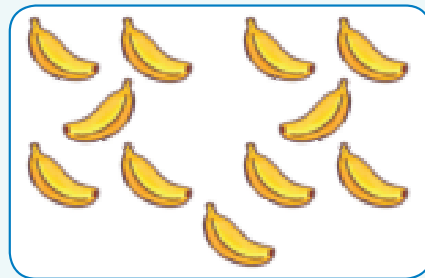
1

2

4



Bala ezi zinto.



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

		ishumi elinanye
		ishumi elinanye
ll		
	ishumi elinanye	



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

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



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_



# Masiqonde inani 12


Ikota 3

Uhlaziyo:

Ziqhelise ukubhala la manani.

 zintathu

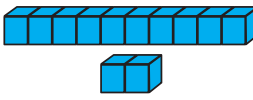
3 3

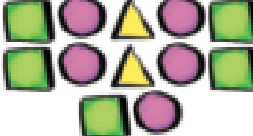
 zine

4 4



Tshatisa imifanekiso.






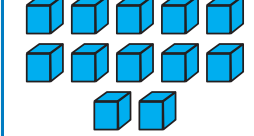
10  
2


12





12





10  
2



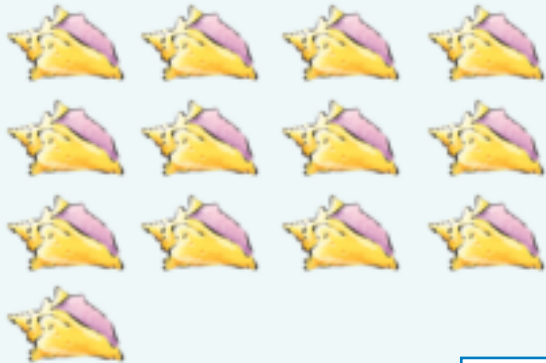
Biyela ezi zinto.

Biyela izihlangu ezili-10 kuphela.



Zingaphi izihlangu ezishiyekileyo?

Biyela oonokrwece abali-12 kuphela.



Bangaphi oonokrwece abashiyekileyo?





Khuphela la manani.

12 12 12 12

ishumi elinesibini

12 12 12 12



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

	7	6
4		4
3	2	
12	12	12



Zoba izinto ezili-12.



Fakela amanani ashijiyweyo.

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? \_\_\_\_\_



11 12 13 14 15 16 17 18 19 20



## Masiqonde inani l3

Uhlaziyo:

Ziqhelise ukubhala la manani.



zintlano

5 5



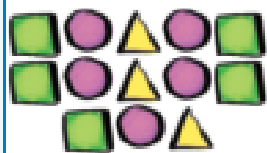
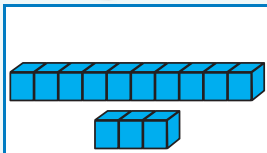
zintandathu

6 6

Ikota 3



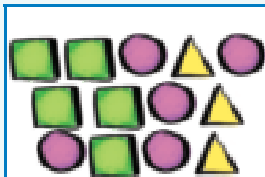
Tshatisa imifanekiso.



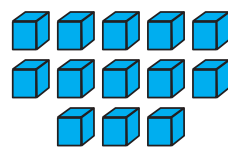
10

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.



Ikhohlam ngenye kufuneka yenze i-13.

13	13	13	13
ishumi elinesithathu			
13	13	13	13

1	2	6
1		
	3	2
13	13	13



Zoba izinto ezili-13.

Khawuzizobe ngenye indlela ke ngoku.

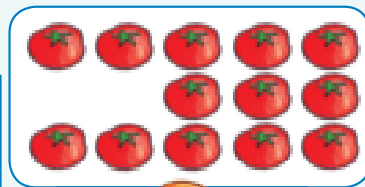
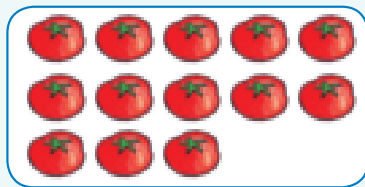


Fakela amanani ashiyweyo.

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



Bala ezi zinto.



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



		ishumi elinesithathu
	13	ishumi elinesithathu
13		
	ishumi elinesithathu	

Leliphi inani elinganeno ngononye kune-13? \_\_\_\_\_

Leliphi inani elingaphezulu ngononye kune-13? \_\_\_\_\_

Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_



# Masiqonde inani 14

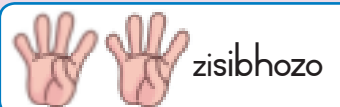
Ikota 3

Uhlaziyo:

Ziqhelise ukubhala la manani.



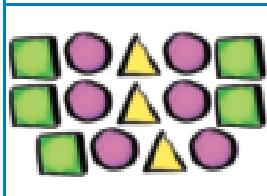
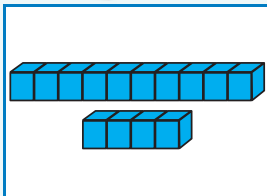
7 7



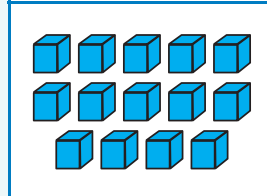
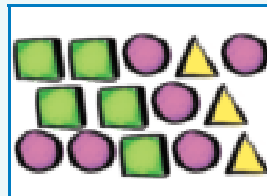
8 8



Tshatisa imifanekiso.



10 4



10 4



Biyela ezi zinto.

Biyela amabhabhathane ali-10 kuphela.



Mangaphi amabhabhathane ashiyekileyo?

Biyela iilokhwe ezili-14 kuphela.



Zingaphi iilokhwe ezishiyekileyo?





Khuphela la manani.

14 14 14 14

ishumi elinesine

14 14 14 14



Ikhohlam nganye kufuneka yenze i-14. Fakela amanani ashijiweyo.

1		2
	5	1
3	2	
14	14	14



Zoba izinto zibe li-14.


Khawuzizobe ngenye indlela ke ngoku.







Bala ezi zinto.



Fakela amanani ashijiweyo.

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? \_\_\_\_\_

Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_



## Masiqonde inani 15

Uhlaziyo:

Ziqhelise ukubhala la manani.



zolithoba

9 9



zilishumi

10 10



Tshatisa imifanekiso.

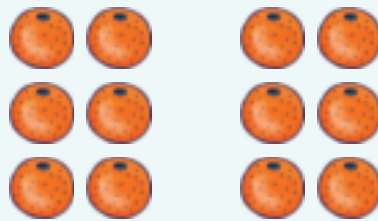
10 5
15



Biyela ezi zinto.

15
10 5

Biyela ii-orenji ezili-10 kuphela.



Zingaphi ii-orenji ezishiyekileyo?

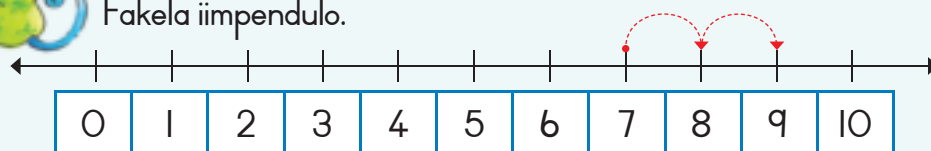
Biyela iinkwenkwezi ezili-15 kuphela.



Zingaphi iinkwenkwezi ezishiyekileyo?



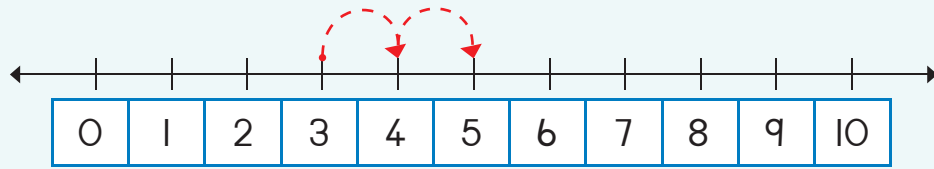
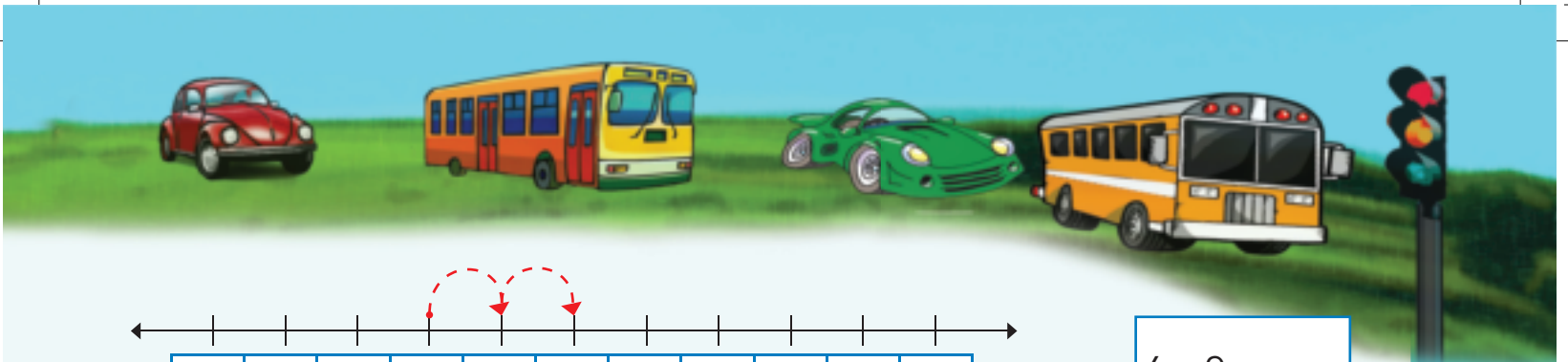
Fakela iimpendulo.



$7 + 2 =$



0 1 2 3 4 5 6 7 8 9 10



$$4 + 2 =$$



Khuphela la manani.

15 15 15 15

ishumi elinesihlanu

15 15 15 15



Zoba izinto zibe li-15.

Zizobe ngenye indlela ke ngoku.

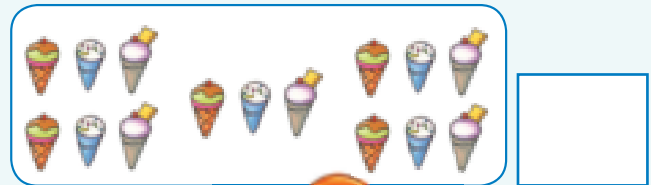
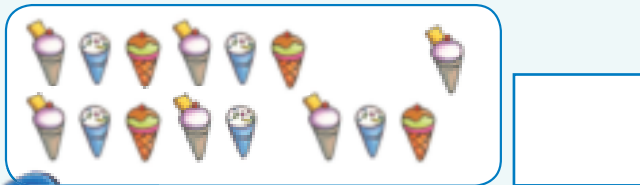


Fakela amanani ashiyiweyo.

- 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? \_\_\_\_\_



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

11 12 13 14 15 16 17 18 19 20



# Ukudibanisa uyokufika kuma-20 - bala uye phambili

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

6

zintandathu



Jonga umfanekiso uze ubhale isivakalisi - manani ngomfanekiso ngamnye.

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



Masibale:

3 ... 4 5 6 7 8  
 +  =

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

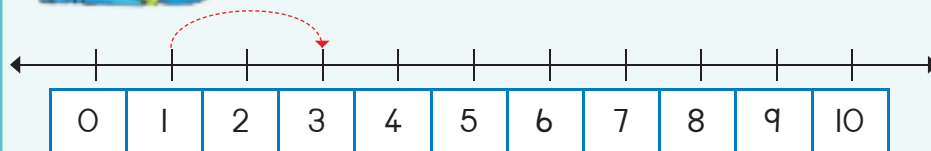


Masibale sibuye umva:

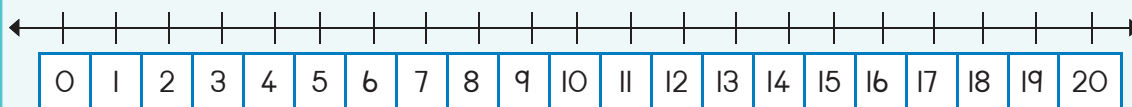
8 ... 7 6 5 4  
 -  =



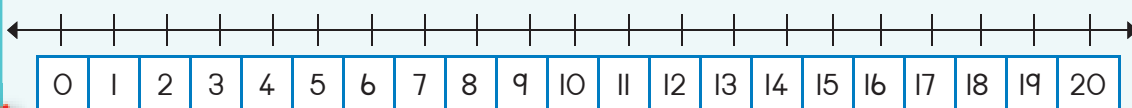
Bhala iimpendulo.



$1 + 2 = \square$



$13 + 2 = \square$



$15 + 2 = \square$



0 1 2 3 4 5 6 7 8 9 10



Fakela amanani kumgca-manani uze ubhale isivakalisi-manani.

Number line from 0 to 15. A red dashed arrow starts at 6 and jumps to 11. Below the number line is a row of boxes: 0, 1, 2, 3, 4, 5, 6, and 7 empty boxes. Below that is a math problem:  $6 + 5 = \square$ .

Number line from 0 to 15. A red dashed arrow starts at 0 and jumps to 5. Below the number line is a row of boxes: 0, and 14 empty boxes. Below that is a row of 5 empty boxes.

Number line from 0 to 15. A red dashed arrow starts at 0 and jumps to 5. Below the number line is a row of boxes: 0, and 14 empty boxes. Below that is a row of 5 empty boxes.



Yongeza zibe - 2.

3	5
4	
2	



7	
8	
6	



Fakela amanani.

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

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



Nceda isigcawu sigqibezele esi sibalo.

A central circle with "+5" and a smiley face. To its left is a vertical list of numbers: 6, 8, 7, 0. To its right is a vertical list of four empty boxes. Lines connect each number to the central circle, and each circle to the corresponding empty box.



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



# Ukudibanisa – ukwakha nokucalula amanani ukuya kwi-10

Ikota 3

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

7

zisixhenxe



Bhala impendulo.

$3 + 3 = \square$



$0 + 5 = \square$



$3 + 2 + 1 = \square$

Fakela imibala ubonise oku  
kalandelayo.

$3 + 9$



$4 + 8$



$5 + 7$



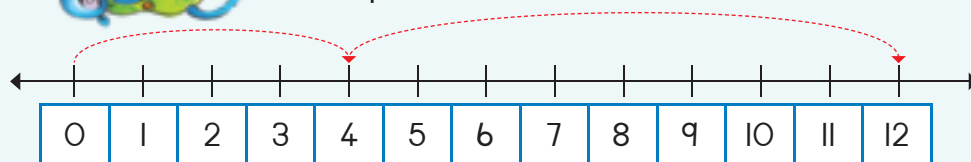
$6 + 6$



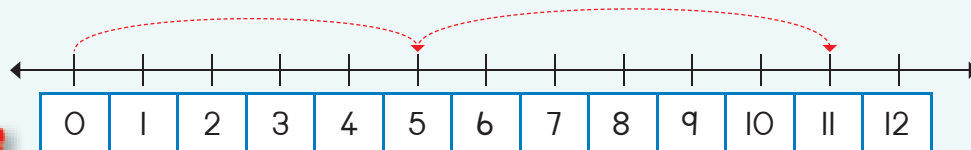
$7 + 5$



Bhala isiphumo soku:



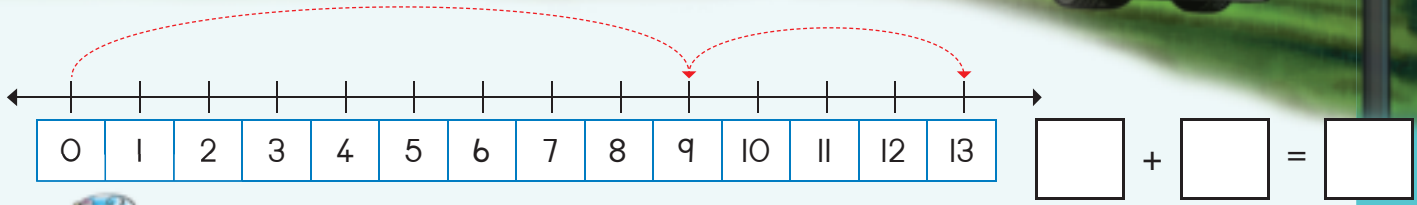
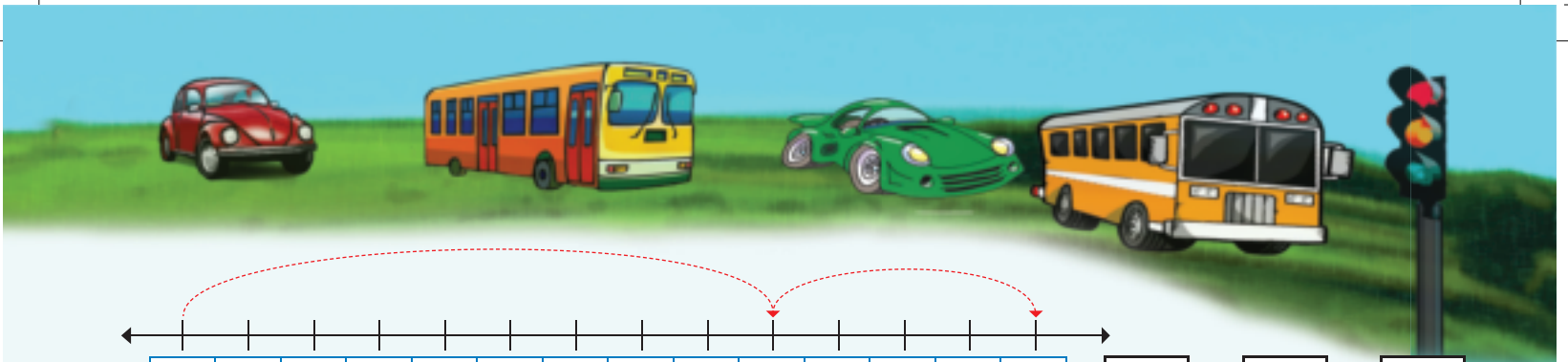
$\square + \square = \square$



$\square + \square = \square$



0 1 2 3 4 5 6 7 8 9 10



Gqibezela umgca - manani uze ubhale impendulo.

Number line from 0 to 10 with a red dot at 4. To the right is the equation:  $4 + 5 + 1 = \square$

Number line from 0 to 10 with a red dot at 3. To the right is the equation:  $3 + 3 + 2 = \square$

Number line from 0 to 10 with a red dot at 2. To the right is the equation:  $2 + 4 + 3 = \square$

Number line from 0 to 10 with a red dot at 4. To the right is the equation:  $4 + 3 + 2 = \square$



Sombulula ezi zibalo ngokuzoba imifanekiso.

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

$\square + \square = \square$

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

$\square + \square = \square$

Teacher:  
Sign:  
Date:

# Ukudibanisa – ukwakha nokucalula amanani ukuya kufikelela kwi-15

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

8

zisibhozo

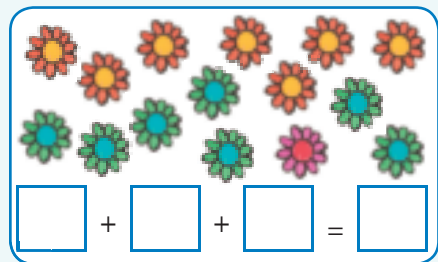
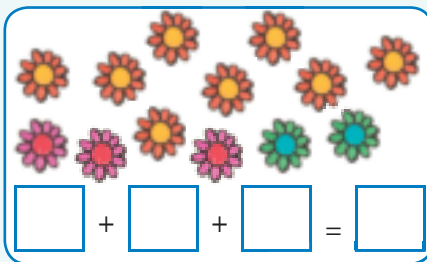
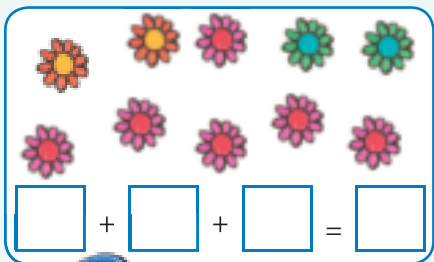


Bhala impendulo.

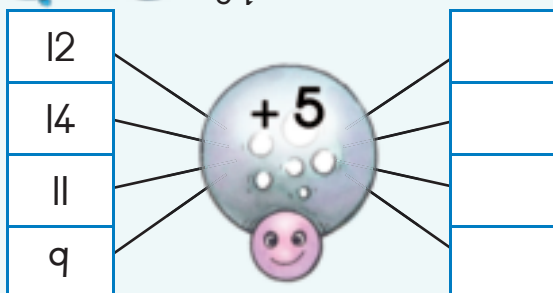
$0 + 2 =$	$2 + 2 =$	$4 + 2 =$	$6 + 2 =$	$8 + 2 =$
$10 + 2 =$	$12 + 2 =$	$14 + 2 =$	$16 + 2 =$	$18 + 2 =$



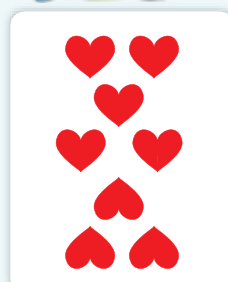
Bhala isivakalisi - manani usebenzise iintyatyambo ezinemibala eyahlukeneyo.



Nceda isigcawu sigqibezele izibalo.



Zingaphi iintliziyo?



Yenza esakho isibalo.

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



0 1 2 3 4 5 6 7 8 9 10



Tshatisa izibini zamanani ukuze wenze la manani alandelayo.

7	●	13	●	5
8	●			4
9	○			6
10	○			2
11	○			3

6	○	11	○	7
7	○			4
3	○			8
4	○			5
5	○			6

8	○	12	○	6
10	○			1
4	○			8
11	○			4
6	○			2



Bhala isivakalisi - manani soku:

+  =

+  =

Uhlaziyo:

Uhlaziyo: Fakela umbala kwimpendulo echanekileyo.

imbonakalo yangaphambili
imbonakalo yangasemva
imbonakalo yasecaleni

imbonakalo yangaphambili
imbonakalo yangasemva
imbonakalo yasecaleni

imbonakalo yangaphambili
imbonakalo yangasemva
imbonakalo yasecaleni

imbonakalo yangaphambili
imbonakalo yangasemva
imbonakalo yasecaleni

Teacher:  
Sign:  
Date:



# Ukudibanisa nokuthabatha – ukwakha nokucalula

Uhlaziyo:

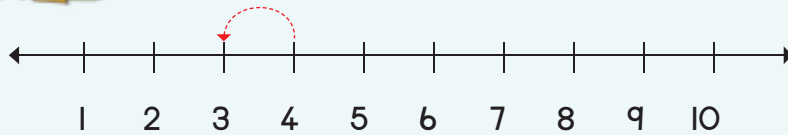
Ziqhelise ukubhala inani ngamagama.

9

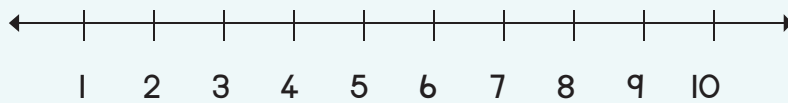
zilithoba



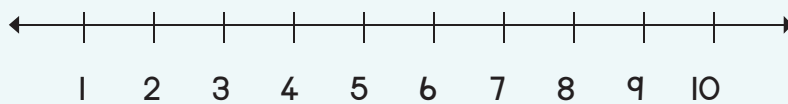
Bhala impendulo.



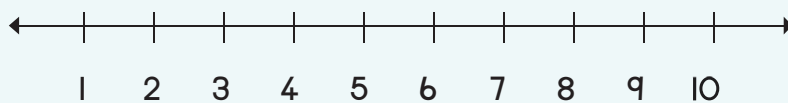
$4 - 1 = \square$



$5 - 3 = \square$



$4 - 2 = \square$



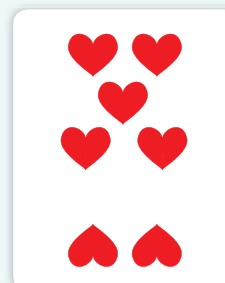
$5 - 2 = \square$



Nceda isigcawu sigqibezele izibalo.



Zingaphi iintliziyo?

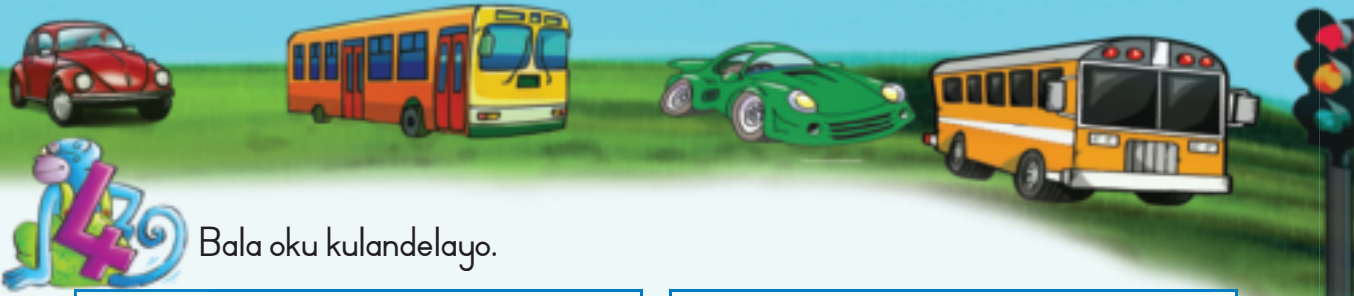


Yenza esakho isibalo.

$\square + \square = \square$



0 1 2 3 4 5 6 7 8 9 10



Bala oku kulandelayo.

$$7 + 4 = \square$$

$$7 + 4 + 1 = \square$$

$$10 + 1 = \square$$

$$6 + 6 = \square$$

$$6 + \square + \square = \square$$

$$10 + \square = \square$$

$$13 - 6 = \square$$

$$13 - 3 + 3 = \square$$

$$10 - 3 = \square$$

$$12 - 8 = \square$$

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

$$10 - 3 = \square$$



Bhala iimpindulo uze ufakele imibala uzobe.

$8 + 6 = \square$

Oku singakubonisa ngale ndlela:

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

$15 - 7 = \square$

Oku singakubonisa ngale ndlela:

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

$9 + 4 = \square$

Oku singakubonisa ngale ndlela:

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

$14 - 5 = \square$

Oku singakubonisa ngale ndlela:

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

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

10

lishumi

Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



## Ubude

Ikota 3

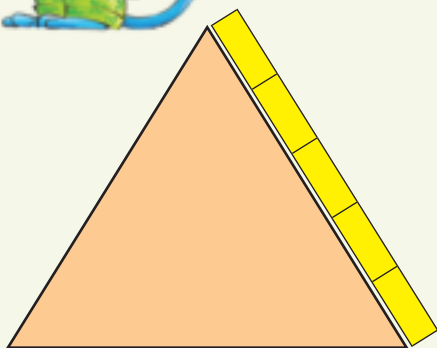


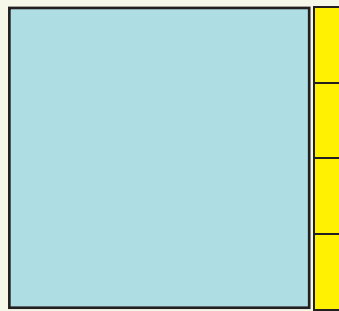
Jonga umfanekiso uze uphendule imibuzo.

Jabu	Pam	Nomsa	Ken
Ngubani oyena mde?		Ngubani eyona nkwenkwe imfutshane?	
Ngubani oyena mfutshane?		Ngubani eyona ntombazana inde?	



Amacala ezi milo made kangangeebloko ezingaphi?



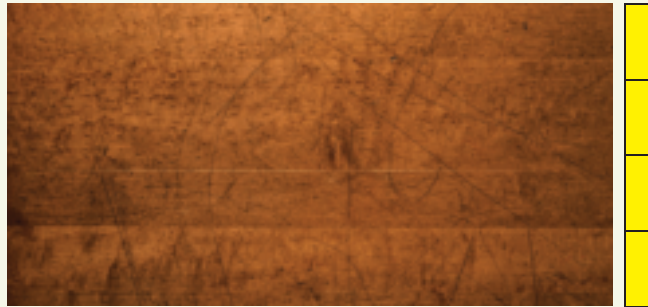








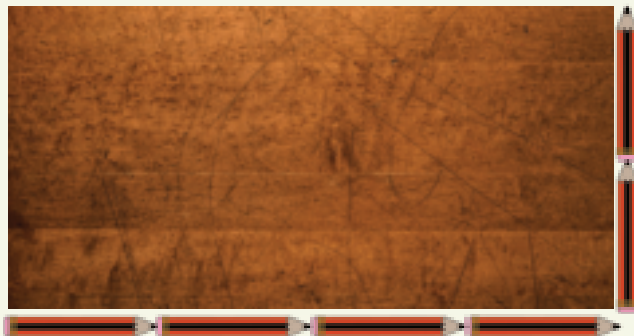
Xela ubude nobubanzi betafle ngokweebloko neepenisile.



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



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



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

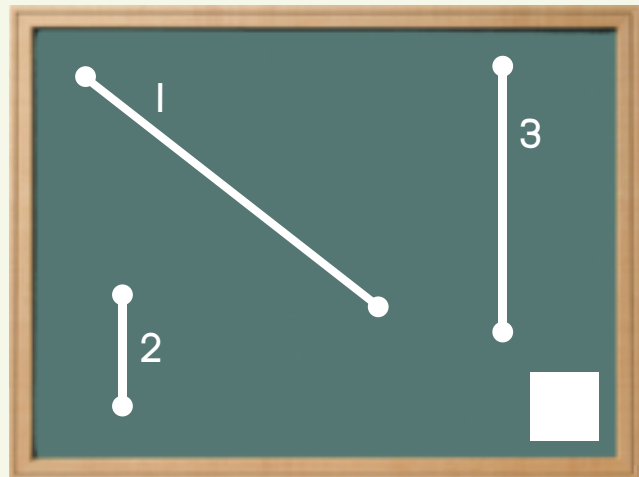
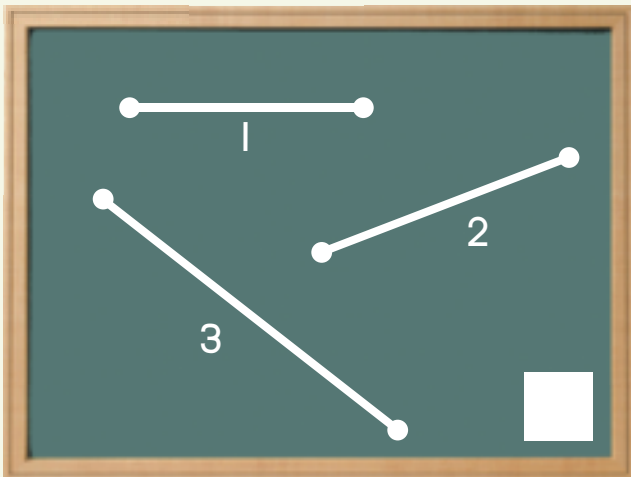


Ubude ziibloko ezi \_\_\_\_\_.



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


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



# Imali netshintshi



Phawula esona sixa siphezulu kumqolo ngamnye.

 <input type="checkbox"/>	 <input checked="" type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>













Phawula iingqekembe zemali eziza kukunika ii-R10.

 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>



Phawula iingqekembe zemali eziza kukunika ama-R20.

 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>		



Bala oku kulandelayo.

$R5 + R10 =$		$R5 + R2 + R8 =$		$R10 + R10 =$	
$R3 + R10 + R2 + R2 =$		$R5 + R7 + R1 + R5 =$		$R10 + R1 + R5 + R2 =$	



Sombulula ezi zibalo:

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

Ndinengqekembe yee -R5 neye -R1.  
Umhlobo wam yena uneengqekembe zee -R5 ezintathu.  
Ngubani oneyona mali ininzi?



Ndinee -R15:

Ndihlawula

Itshintshi

$R4 + R7 = R11$	$R4$
$R6 + R9 =$	
$R8 + R3 =$	
$R2 + R11 =$	
$R3 + R8 =$	
$R6 + R8 =$	
$R0 + R2 =$	
$R2 + R2 =$	
$R4 + R2 =$	
$R6 + R2 =$	



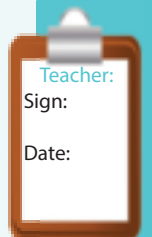
Bala oku kulandelayo:

Ndinee -R15. Ndihlawule ipakethe yeetshiphusi ngee -R6. Ndishiyekelwe yimalini?



Yenze ibe nganeno ngee -R2.

R11		R4	
R12		R6	
R10		R8	



# Imali netshintshi

Ikota 3



Zoba iingqekembe zemali ezenza oku:

R11	
R12	
R13	
R14	



Phawula uze ubhale impendulo echanekileyo.

$R18 - R8 =$   R10

$R12 - R2 =$

$R15 - R4 =$

$R14 - R7 =$



Bala oku kulandelayo:

$R15 - R10 =$	<input type="text"/>
$R10 - R1 - R1 - R2 =$	<input type="text"/>

$R20 - R2 - R8 =$	<input type="text"/>
$R5 - R4 =$	<input type="text"/>

$R20 - R5 =$	<input type="text"/>
$R10 - R1 - R5 - R2 =$	<input type="text"/>



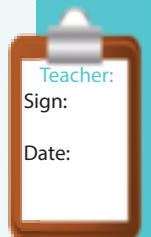
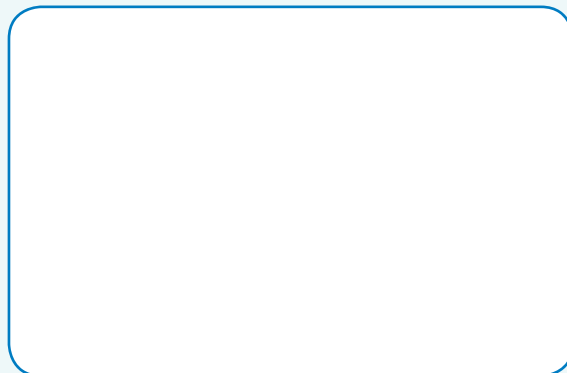


Bala oku kulandelayo.

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



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



# Imali: Ukudibanisa nokuthabatha



Bala oku kulandelayo:

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

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

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



Bala oku kulandelayo:

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

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

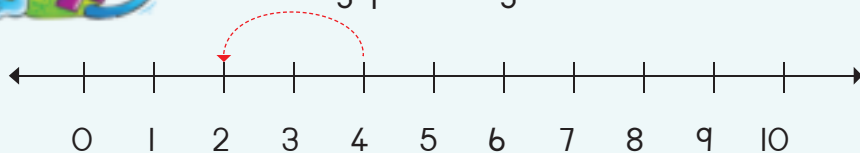
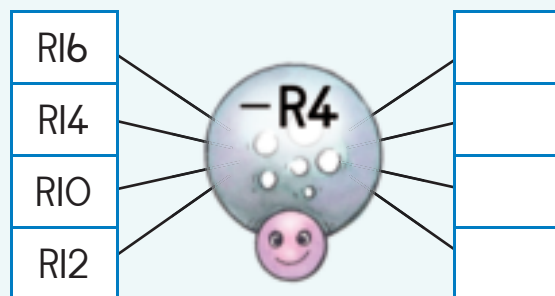
$R10 - R5 =$	
$R15 - R2 =$	
$R16 - R6 =$	
$R14 - R4 =$	



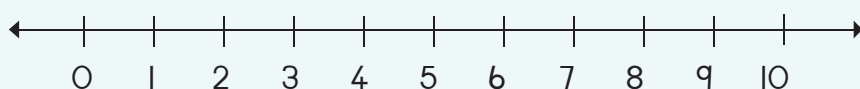
Nceda isigcawu sigqibezele zonke izibalo.



Yenze ibe ngaphantsi ngee -R2.



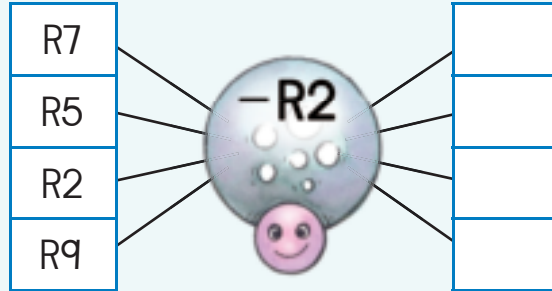
$$R4 - R2 =$$



$$R7 - R2 =$$



Nceda isigcawu senze zonke izibalo zokuthabatha.



Sombulula ezi zibalo zilandelayo.

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

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

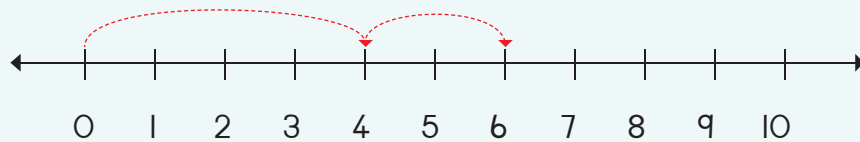


Ndiginine malini?

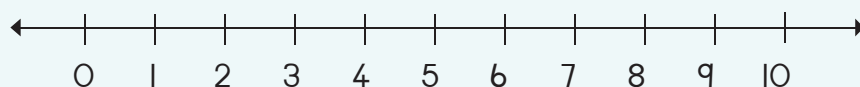


Bonisa isibalo kumgca -manani uze ubhale impendulo.

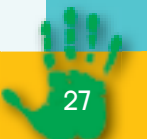
R4 + R2 =



R8 + R2 =



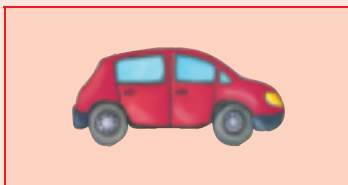
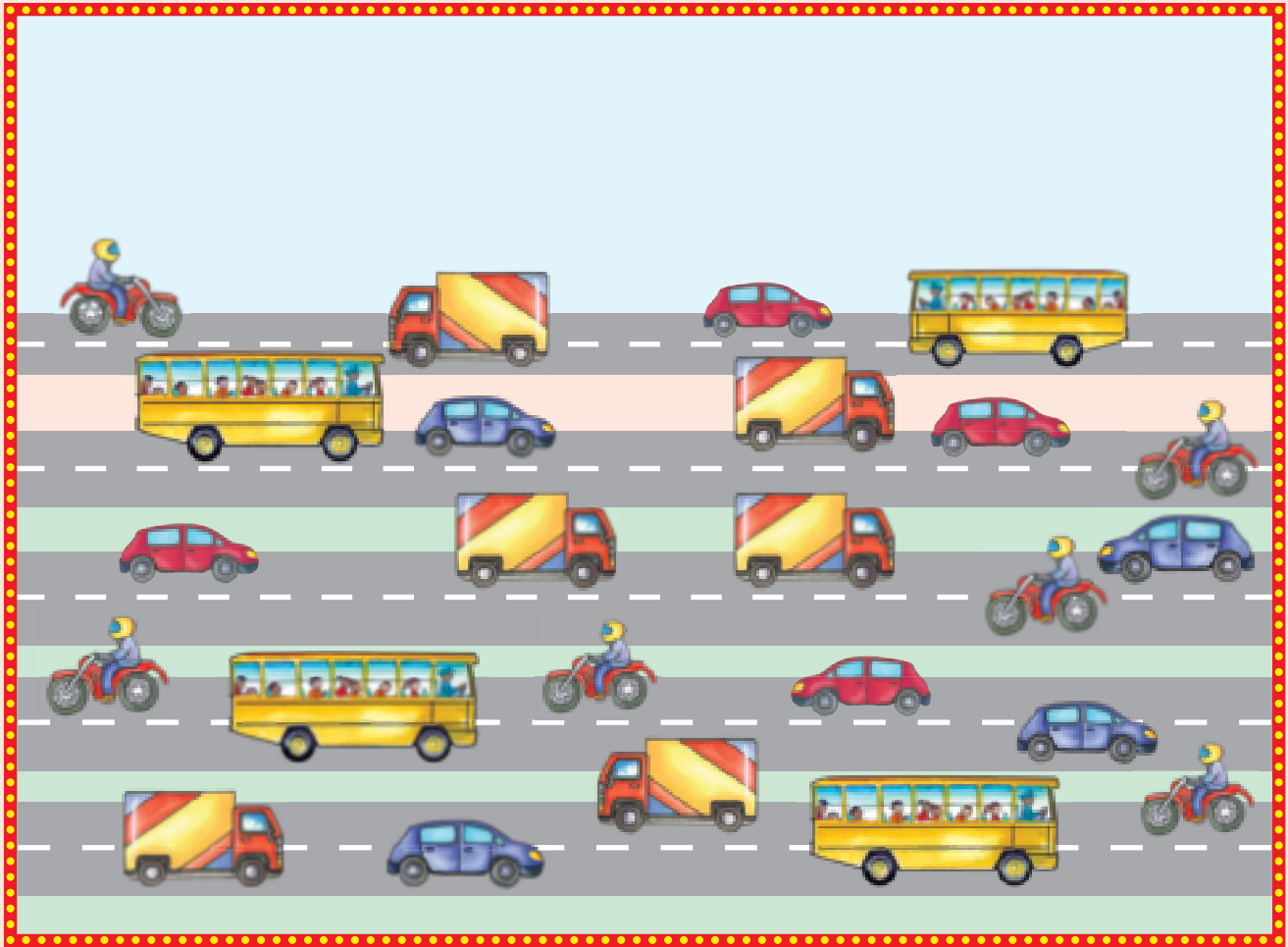
Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_



# Iinkcukacha



Bala ukuba zingaphi izithuthi ozibonayo kuhlobo ngalunye.





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



5						
4						
3						
2						
1						

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

Ezona zimbawwa \_\_\_\_\_.



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

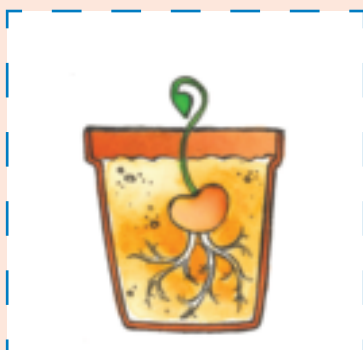
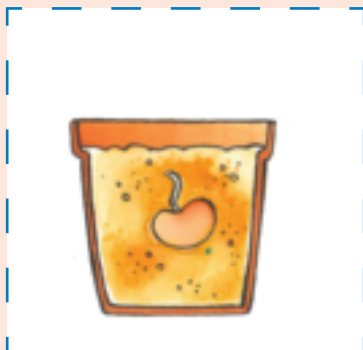
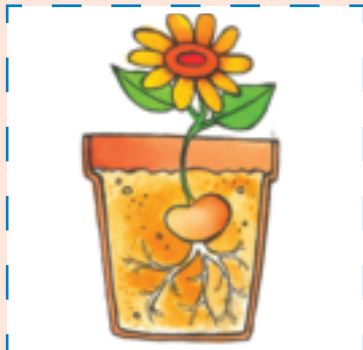
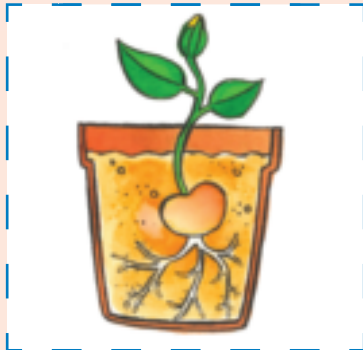


## Iinkcukacha nexesha

Ikota 3



Ncokola ngale mifanekiso uze uyibeke ngokulandelelana kwayo kakuhle.



1



2



3



4



Sebenzisa amakhadi okuhlela akuMsiko I ugqibezele le grafu yemifanekiso.



--	--	--	--



Teacher:  
Sign:  
Date:



# Amaqela ezihlanu ukuya kufikelela kwi-15

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama.

5

zintlanu

Ikota 3



Jonga umfanekiso uze uphendule umbuzo.



Jonga umfanekiso.

Singakubhala ngolu hlobo oku:

Mangaphi amaqela ezi-5 onokuwenza?

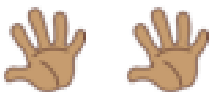
Zoba apha owakho umfanekiso.



Iqela elinye lesi-5 sisi-5



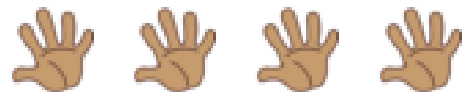
Bala iminwe uze ubhale impendulo.



$$5 + 5 =$$

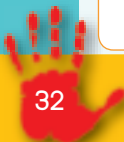


$$5 + 5 + 5 =$$



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

Amaqela ama-2  
ezihlanu li-10



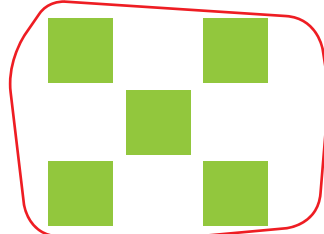
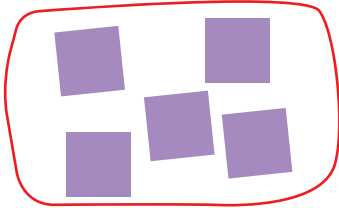


Biyela ngezangqa ezi zinto ukuze wenze oku:

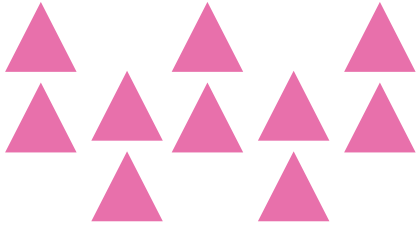


Bhala izivakalisi - manani zoku:

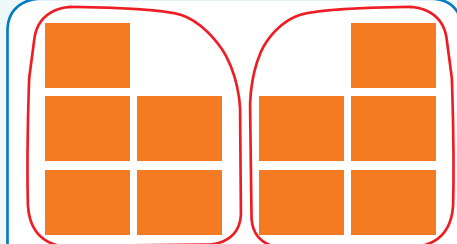
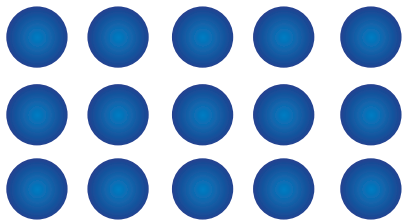
Iqela eli-1 lesi-5



Amaqela ama-2 ezi-5



Amaqela ama-3 ezi-5



Mangaphi amaqela ezihlanu ongawenzayo?

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



Teacher:  
Sign:  
Date:





# Izihlanu: ukudibanisa okuphindiweyo ukuya kwi-15

Uhlaziyo:

Uhlaziyo: Fakela amanani ashiyiweyo.



Zingaphi iinzwane okanye iminwe ekhoyo?  
Bhala isivakalisi -manani.






Iqela leebhanana ezintlanu

Amaqela amabini eentyatyambo ezintlanu lilinye

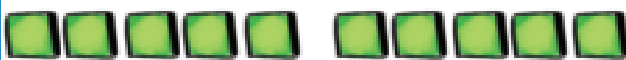
Zoba:



Zoba iimilo.

$$5 + 5 = 10$$

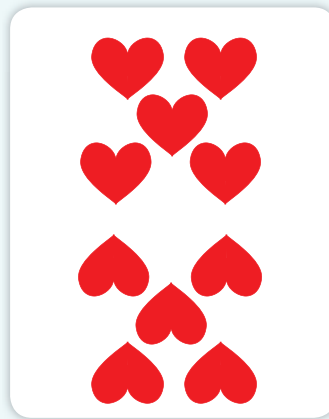
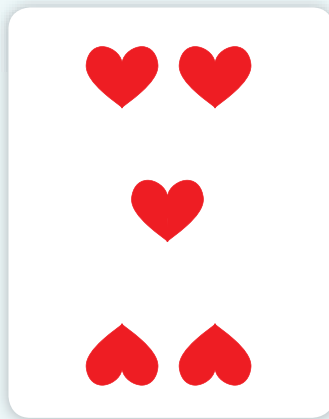
$$5 + 5 + 5 = \square$$







Biyela uze ubale ukuba mangaphi amaqela ezihlanu onokuwenza kwikhadi ngalinye.



Bhala isivakalisi - manani:

○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○



Sebenzisa imibala eyahlukeneyo ubonise amanani oza kuwasebenzisa ekwenzeni amaqela ezihlanu.

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



Mangaphi amaqela ezihlanu onokuwenza?

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



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_





## Izihlanu ukuya kufikelela kwi-15

Ikota 3



Fakela amanani ashiyiweyo.

I		3		5		7	8	9	
II	12								



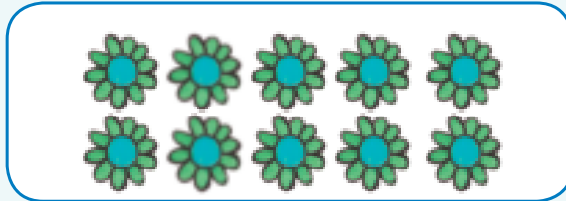
Yenza amaqela ezihlanu. Ubhantom ngamnye kufuneka abe neqela lamachokoza amahlanu kwiphiko ngalinye.  
Zoba amachokoza angekhoyo.

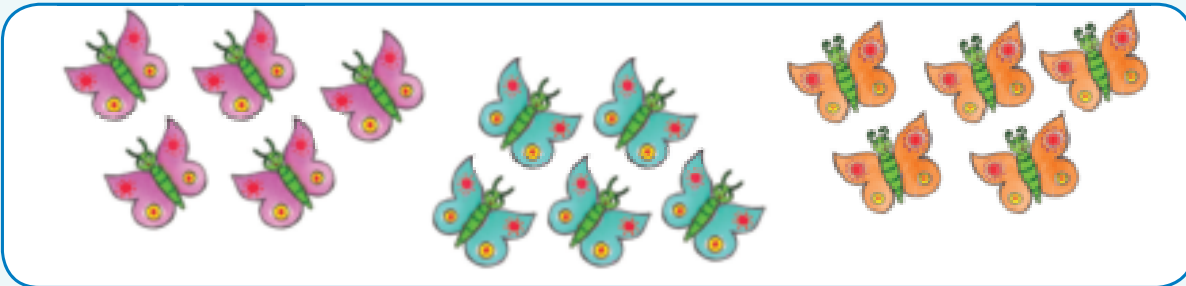




Bhala isivakalisi - manani.









Bala.

$$0 + 5 = \square$$

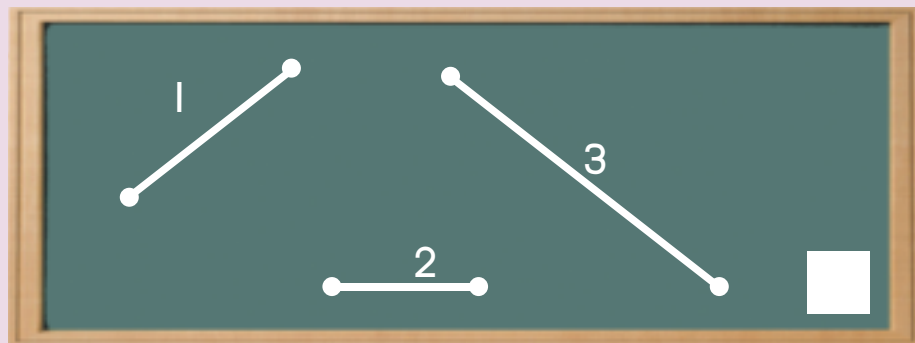
$$5 + 5 + 5 = \square$$

$$5 + 5 = \square$$

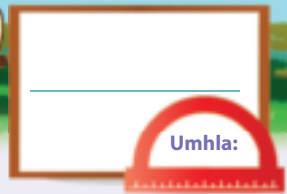
$$5 + 5 + 5 + 5 = \square$$

Uhlaziyo:

Uhlaziyo: Ngowuphi owona mgca umde?



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_



# Iipatheni zamanani zezihlanu ukuya kutsho kuma - 50

Ikota 3

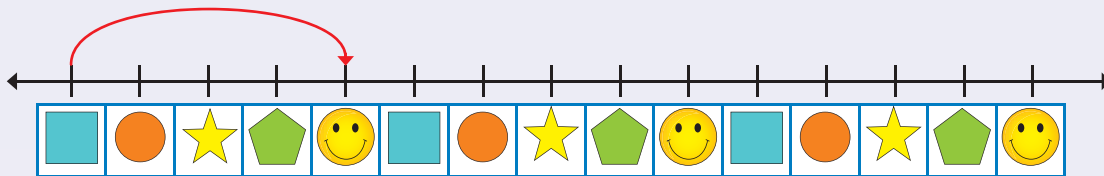


Gqibezela iipatheni zezihlanu ngokufakela imibala kula manani.

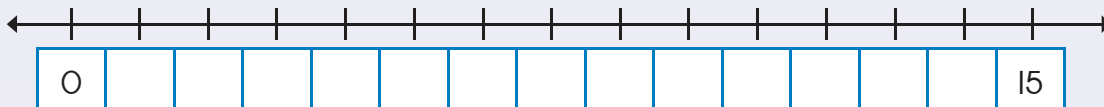
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50



Zoba izazinge ubonise amaqela ezihlanu.

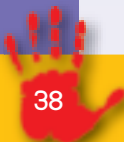
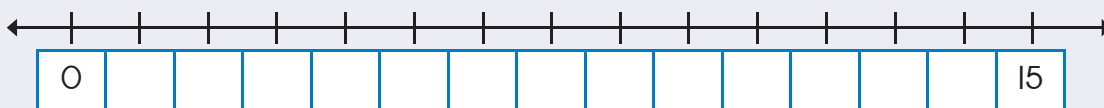


Bhala amanani ashuyiweyo uze wenze izazinge ubonise amaqela ezihlanu.



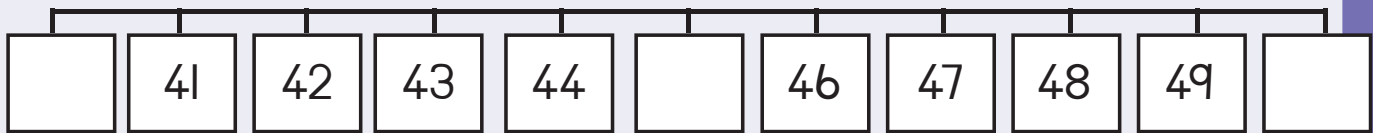
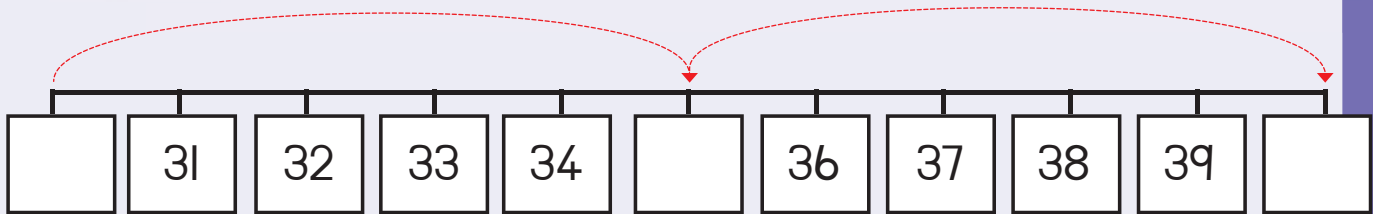
Gqibezela umgca - manani. Zoba izazinge ubonise amaqela ezihlanu.

Kukho amaqela ezihlanu a .



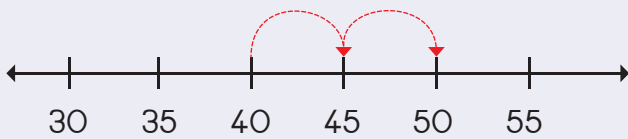


Sika amanani ashijweyo kuMsiko 2 uze uwafake kumgca-manani.

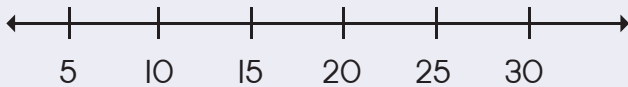


Zoba izazinge ubonise oku:

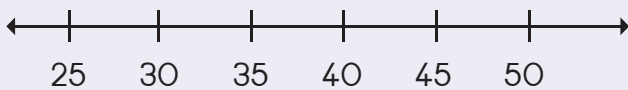
40, 45, 50



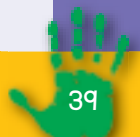
10, 15, 20



25, 30, 35



Teacher:  
Sign:  
Date:





## Iipatheni zamanani zezihlanu ukuya kutsho kuma-80



Mangaphi amaqela ezihlanu owabonayo emfanekisweni?

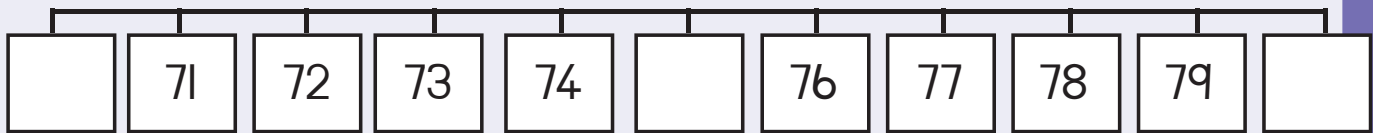
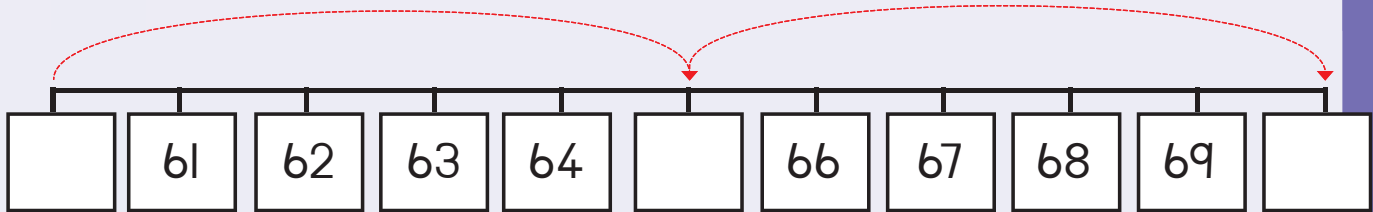


Gqibezela le mifanekiso ubonise amaqela ezihlanu.



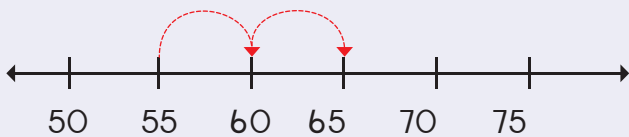


Sika amanani ashijiyewo kuMsiko 2 uze uwafake kwimigca -manani.

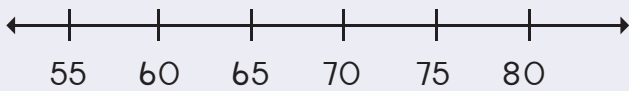


Zoba izazinge ubonise oku kulandelayo:

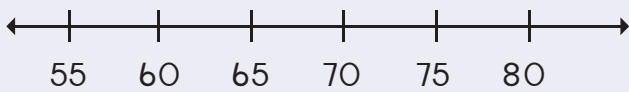
55, 60, 65



65, 70, 75



70, 75, 80



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_





## Iziphindwa kabini

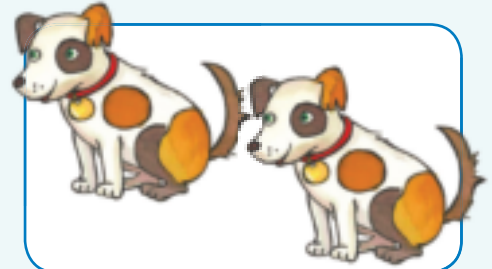
Ikota 3



Phinda kabini ezi zinto uze ubhale impendulo.



u-1 ophindwe kabini



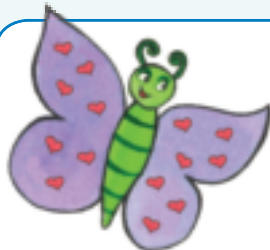
Ezi-4 eziphindwe kabini



Ezi-5 eziphindwe kabini



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



$7 + 7 =$   
Okanye  
Ezi-7 eziphindwe kabini =







$5 + 5 =$   
okanye  
Ezi-5 eziphindwe kabini =

$2 + 2 =$   
okanye  
Ezi-2 eziphindwe kabini =







Gqibezela:

Mangaphi amavili owabonayo?	Mangaphi amavili owabonayo ngoku?	Mangaphi amaqanda asetryini?	Mangaphi amaqanda akhoyo ngoku?
 <input type="text"/>	 <input type="text"/>	 <input type="text"/>	 <input type="text"/>



Bala amachokoza uze uwaphinde kabini.

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





Phinda kabini amanani.

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



Gqibezela oku kulandelayo:

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



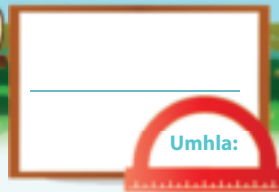
Gqibezela:

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

Teacher:

Sign:

Date:



# Iziqingatha



Hlaba isiqingatha sabantwana uze ubhale impendulo.

Ikota 3

Isiqingatha sezi - 4 sisi \_\_\_\_\_

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

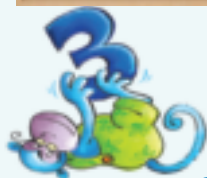
Isiqingatha sezi - 2 ngu \_\_\_\_\_

Isiqingatha sezisi - 8 sisi \_\_\_\_\_



Hlaba isiqingatha uze ubhale impendulo.

Isiqingatha sezi - 2 ngu = <input type="text"/>	Isiqingatha sesi - 8 sisi - = <input type="text"/>
Isiqingatha sezi - 4 sisi - = <input type="text"/>	Isiqingatha se - 10 sisi - = <input type="text"/>
Isiqingatha sezi - 6 sisi - = <input type="text"/>	



Zingaphi iintlanzi ezikhoyo?



Sithini/Ngubani isiqingatha seentlanzi?





Bala amachokoza uze uwahlule kubini.

	2	yahlula kubini →		<input type="text" value="1"/>
	4	yahlula kubini →		<input type="text"/>
	6	yahlula kubini →		<input type="text"/>
	8	yahlula kubini →		<input type="text"/>
	10	yahlula kubini →		<input type="text"/>



Yahlula kubini amanani.

4	yahlula kubini →	<input type="text" value="2"/>
8	yahlula kubini →	<input type="text"/>
6	yahlula kubini →	<input type="text"/>
10	yahlula kubini →	<input type="text"/>
12	yahlula kubini →	<input type="text"/>
14	yahlula kubini →	<input type="text"/>



Mingaphi imibungu ekhoyo?




Isiqingatha semibungu:





Nika impendulo:

Mingaphi imilenze ekhoyo?




Mingaphi imilenze ekhoyo ngoku?

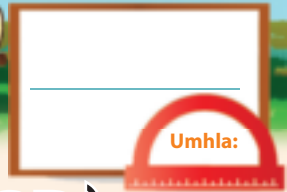



Sithi isiqingatha sesi-8 sisi



Teacher:  
Sign:  
Date:







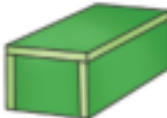



# Izinto ezinemilinganiselo emi-3 (3D)

Ikota 3






Phawula eyona incinane.

					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>




Zoba enkudlwana kwicala langasekunene lomfanekiso ngamnye.


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



Zoba ibhola enkudlwana kunebhola ezuba.


	
---	--

Zoba ibhola encinane kunebhola engwevu.

	
--	--



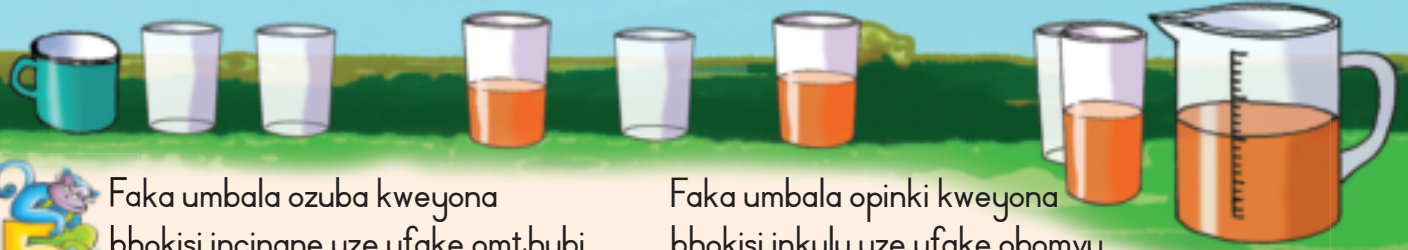
Zoba ibhokisi encinane kunebhokisi emthubi.

	
---	--

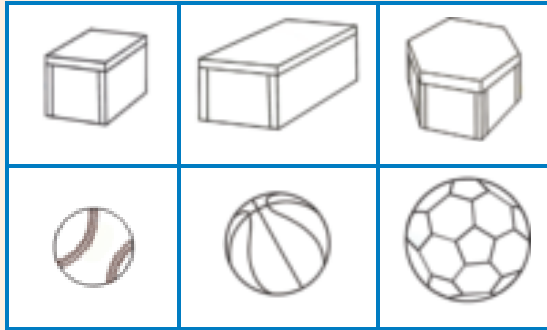
Zoba ibhokisi enkudlwana kunebhokisi eluhlaza.

	
---	--

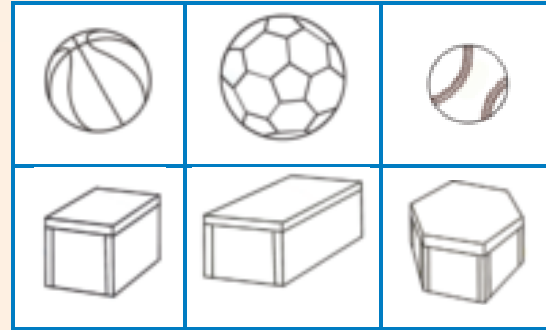




Faka umbala ozuba kweyona bhokisi incinane uze ufake omthubi kweyona bhola incinane.



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



Ungakwazi ukwakha eyona ncochoyi iphezulu ngezi zinto?



Faka umbala ku-ewe okanye ku-hayi

ewe	hayi
-----	------

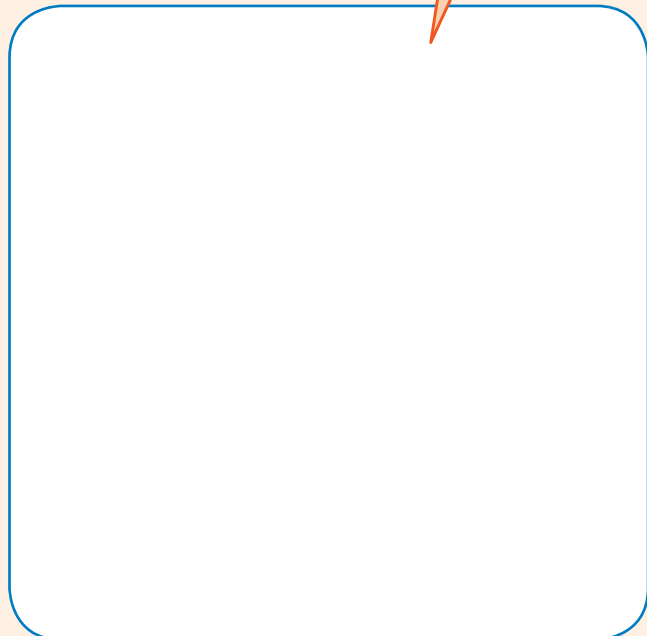
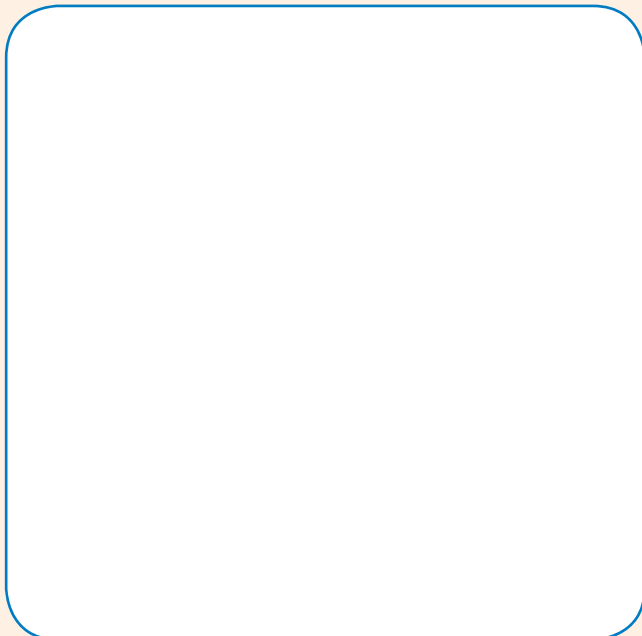
ewe	hayi
-----	------

ewe	hayi
-----	------



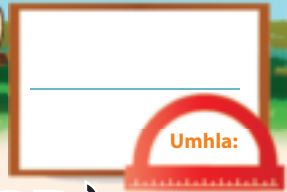
Sika imifanekiso kwimagazini okanye kwiphephandaba uze uyincamathelise ukuze uzenzele iincochoyi zakho ezimbini.

Khumbula ukuba ezi ncochoyi kufuneka zingawi.



Teacher:
Sign:
Date:





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

Ikota 3



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



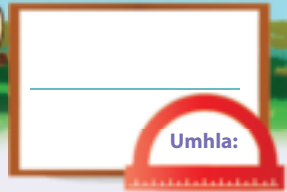
Hlela ezi zinto ngokobukhulu bazo uze uzizobe.

	Iibhola ezincinci	Iibhokisi ezincinci
	Iibhola ezinkulu	Iibhokisi ezinkulu



Teacher:  
Sign:  
Date:





# Iipatheni zejometri

Uhlaziyo:

Zoba ezi zinto:

uxande

isikwere

isangqa



Gqibezela ipatheni.






Zoba imifanekiso ukuze uqhubeke npatheni.




Zoba eyakho ipatheni.






Ncamathelisa imifanekiso wenze eyakho ipatheni.



Ciqibezela le patheni.

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

Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

90



# Amaqela ezibini ukuya kutsho kwi-15

Ikota 3



Bhala eli nani ngamagama.

2      zimbini



Phendula imibuzo.



Bangaphi oonombombiya obabonayo?

Zingaphi izibini zamanqina ozibonayo?

Bhala isivakalisi - manani.



Phendula imibuzo.



Zingaphi iincwadi ezikhoyo?

Ndingenza amaqela ezibini amangaphi?

Bhala isivakalisi - manani.



Bhala inani ngamagama.

4



Bala amaphiko, wakugqiba bhala impendulo yakho.



$2 + 2 =$



$2 + 2 + 2 =$



$2 + 2 + 2 + 2 =$

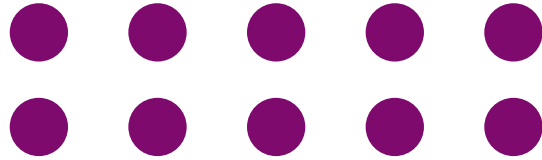


Biyela ngezangqa ukuze wenze:

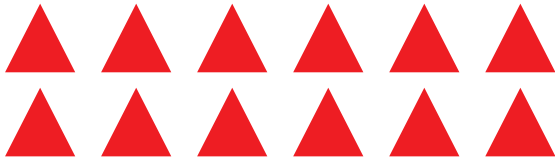
Amaqela ama-4 ezi-2



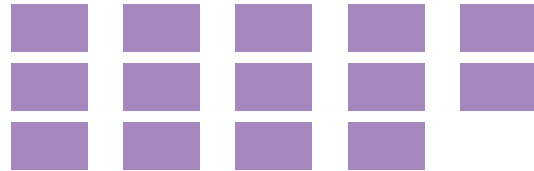
Amaqela ama-5 ezi-2



Amaqela ama-6 ezi-2



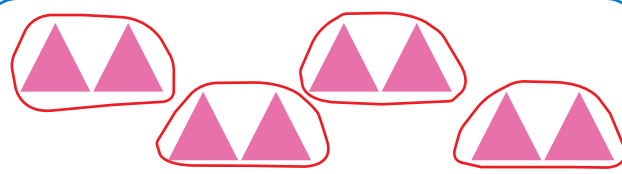
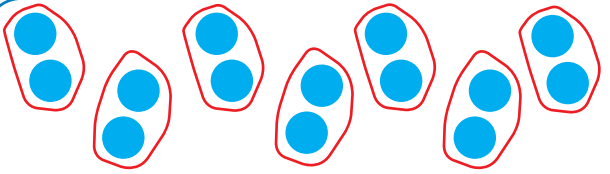
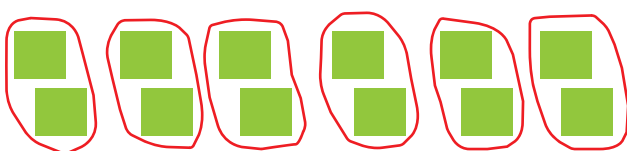
Amaqela asi-7 ezi-2



7



Bhala isivakalisi -manani.

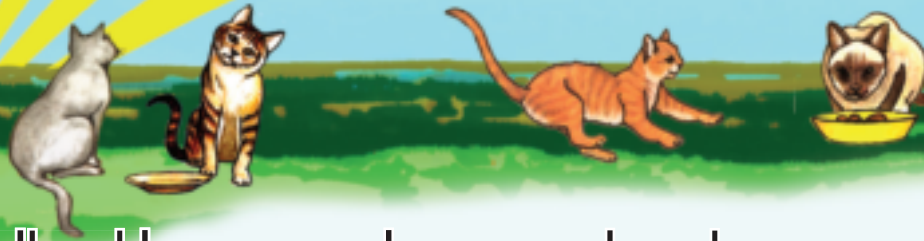


Mangaphi amaqela ezibini onokuwenza?

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

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

Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

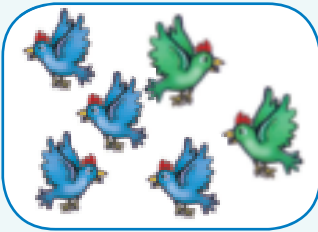
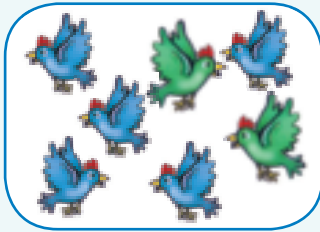


# Ukudibanisa izibini eziphindiweyo ukuya kutsho kwi-15

Ikota 3



Mangaphi amanqina akhoyo?

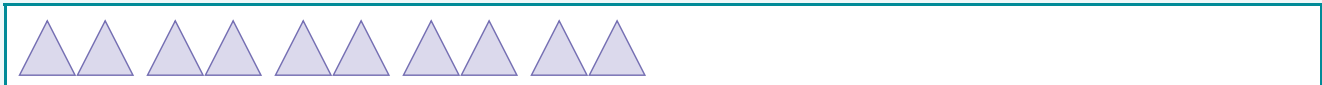


Uwabale njani?



Zoba iimilo ubonise oku kulandelayo:

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



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

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

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

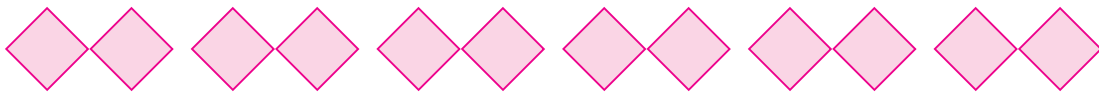
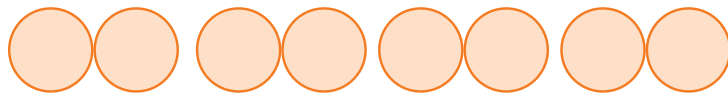
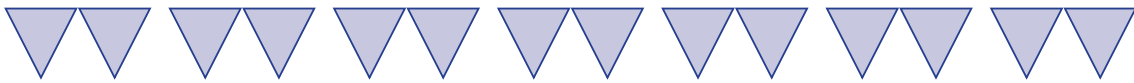




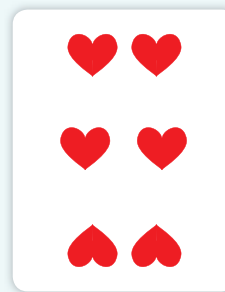
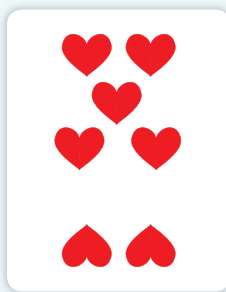
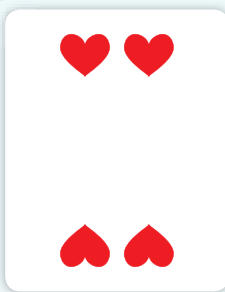
Bhala izivakalisi - manani.



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



Biyela uze ubale inani lamaqela ezibini onokuwenza kwikhadi ngalinye.



Gqibezela le patheni yamanani oza kuwasebenzisa ekwenzeni amaqela ezibini.

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



Teacher:  
Sign:  
Date:

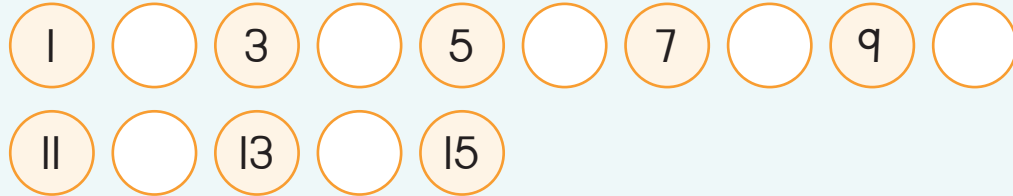




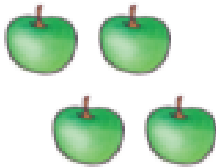
## Izibini ukuya kutsho kwi-15



Fakela amanani ashiyiweyo.

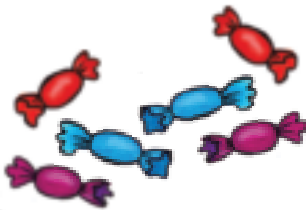


Yenza amaqela ezibini.  
Biyela ngesangqa iqela ngalinye lezibini.



Mangaphi amaqela ama-apile akhoyo?

Uza kufumana ama-apile amangaphi umntwana ngamnye?



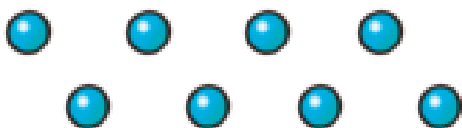
Mangaphi amaqela eelelese akhoyo?

Uza kufumana iilelese ezingaphi umntwana ngamnye?



Mangaphi amaqela amapetyu akhoyo?

Uza kufumana amapetyu amangaphi umntwana ngamnye?



Mangaphi amaqela amapetyu akhoyo?

Uza kufumana amapetyu amangaphi umntwana ngamnye?





Fakela amanani ashiyiweyo.

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



Bhala isivakalisi - manani usebenzise izibini.

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



Bala:

$2 + 2 + 2 =$	<input type="text"/>
$2 + 2 + 2 + 2 =$	<input type="text"/>
$2 + 2 + 2 + 2 + 2 =$	<input type="text"/>
$2 + 2 + 2 + 2 + 2 + 2 =$	<input type="text"/>
$2 + 2 + 2 + 2 + 2 + 2 + 2 =$	<input type="text"/>



Biyela amaqela ezibini kungca ngamnye.



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_



# Iipatheni zamanani: izi - 2 ukuya kuma - 50

Ikota 3



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



Gqibezela ipatheni ngokufakela imibala kumanani achanekileyo.

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

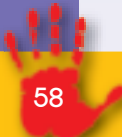


Zoba izazinge ubonise oku kulandelayo:

30, 32, 34

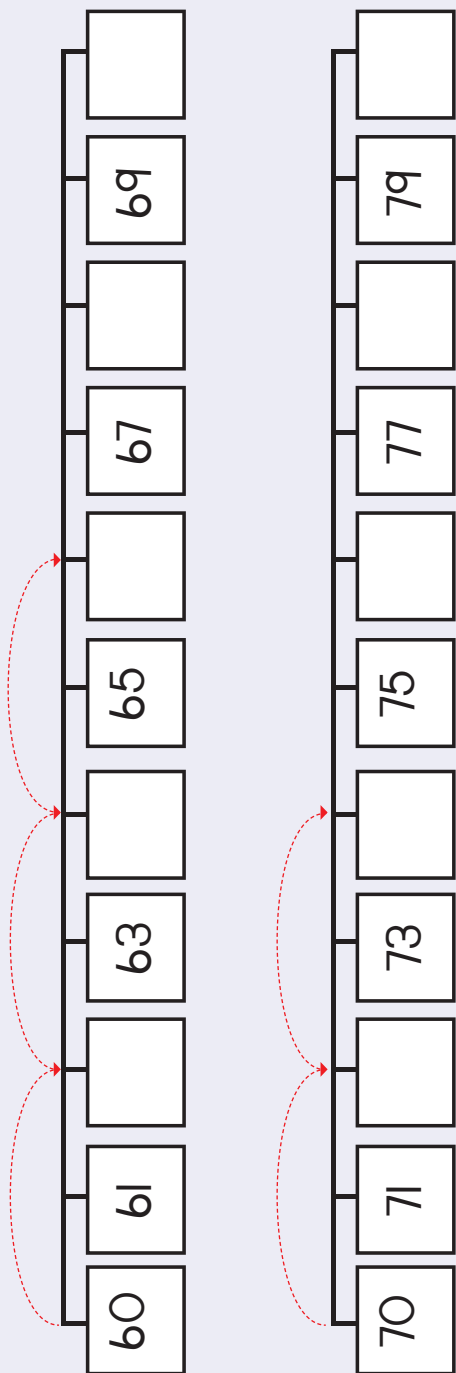
40, 42, 44

46, 48, 50





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



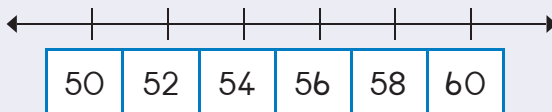
Gqibezela ipatheni ngokufakela imibala kumanani achanekileyo.

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

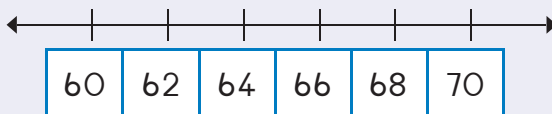


Zoba izazinge ubonise oku kulandelayo:

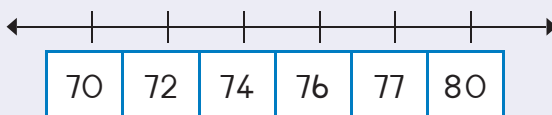
54, 56, 58



64, 66, 68

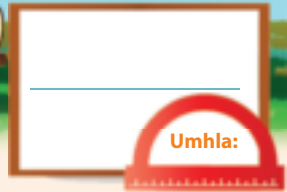


72, 74, 76



Teacher:  
Sign:  
Date:



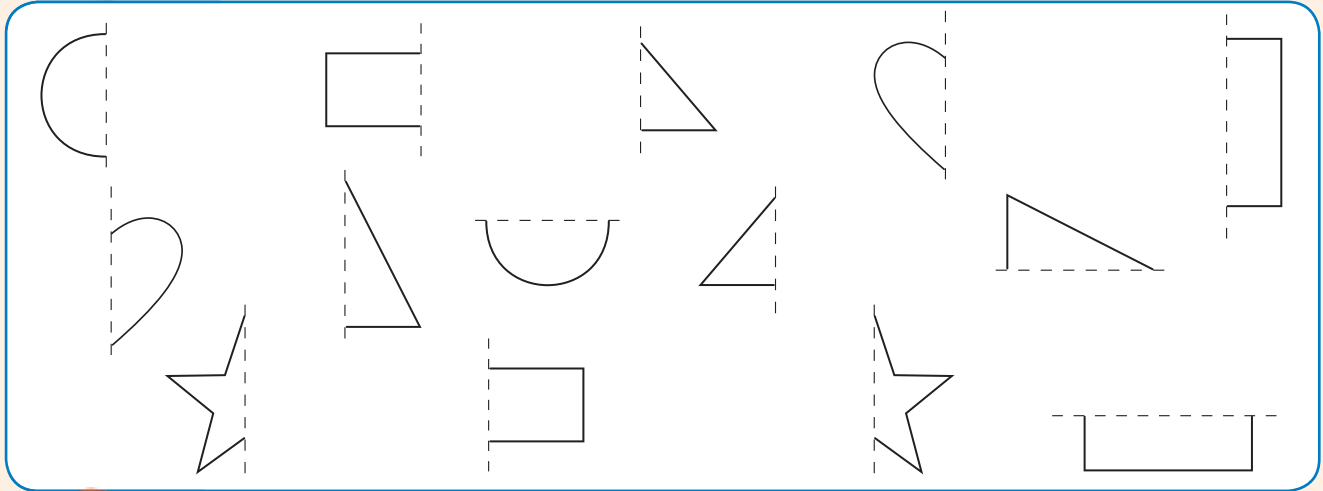


# Umatwa - totse

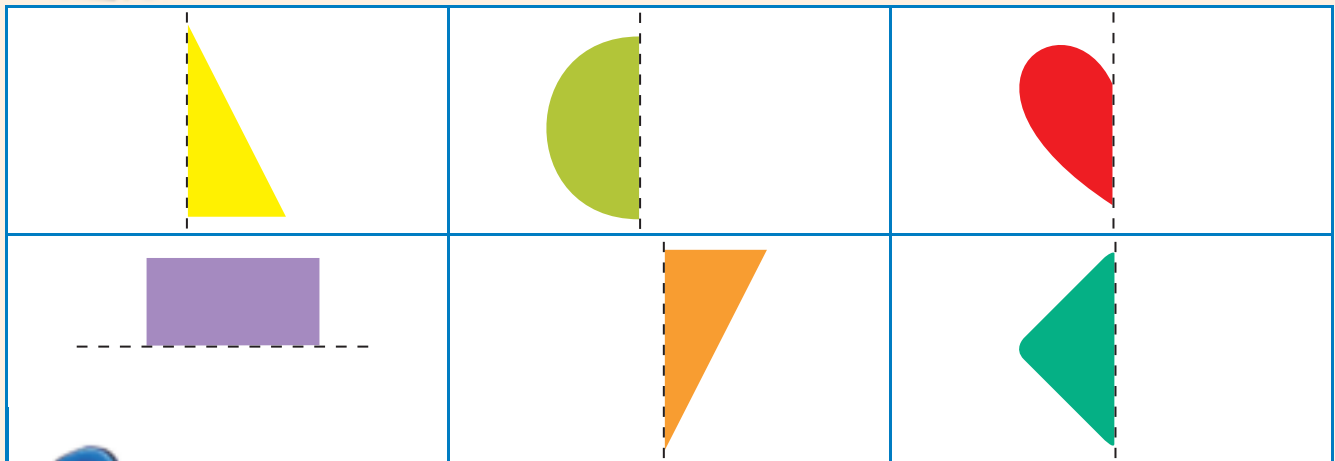
Ikota 3



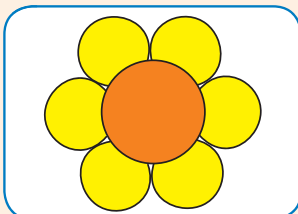
Faka umbala kwiinxalenye zeemilo eziza kwenza imilo enye.

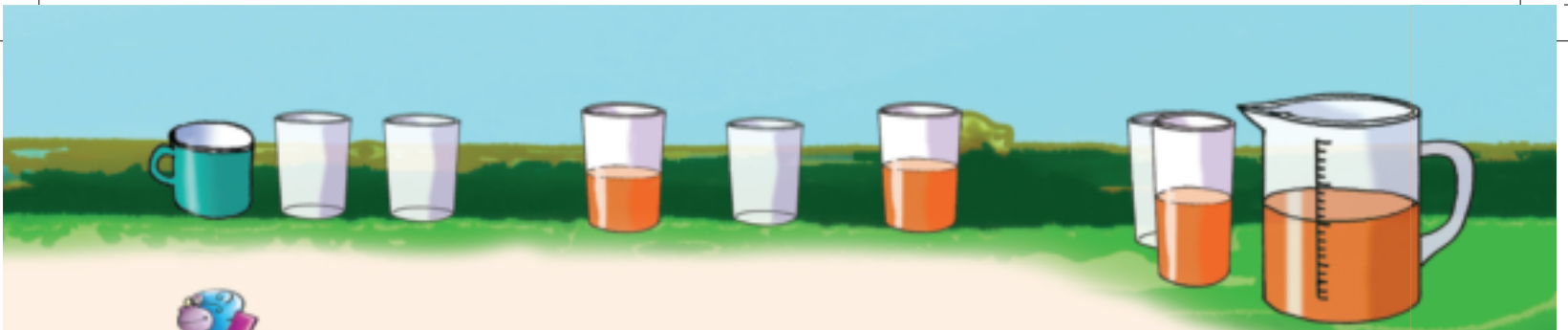


Zoba esinye isiqingatha uze usifakele umbala.

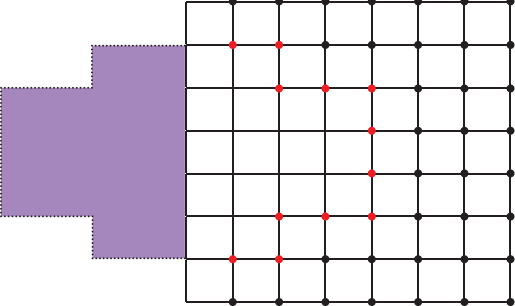
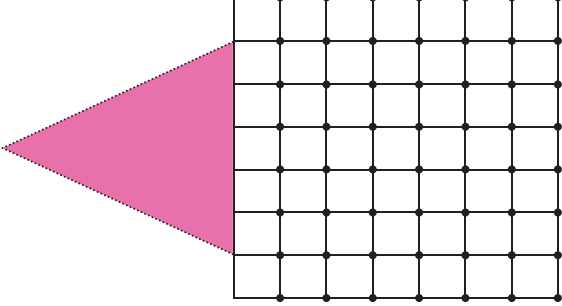
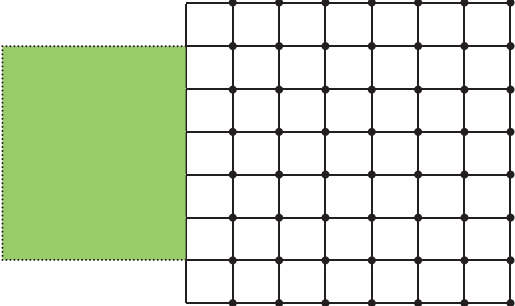
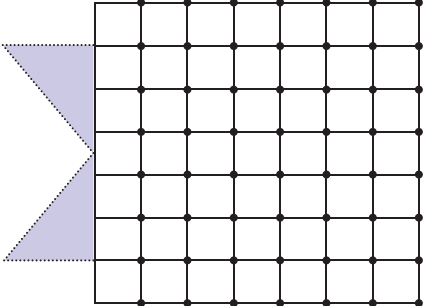
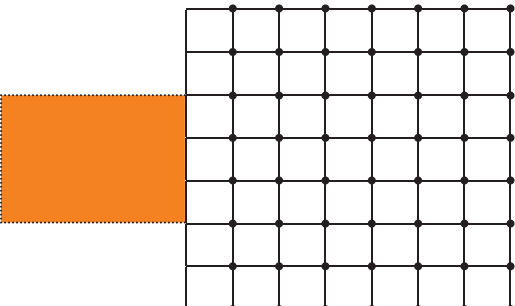
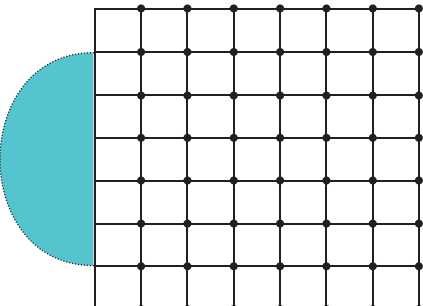


Krwela umgca wahlule le mifanekiso kubini ukuze amacala omabini afane twatse.



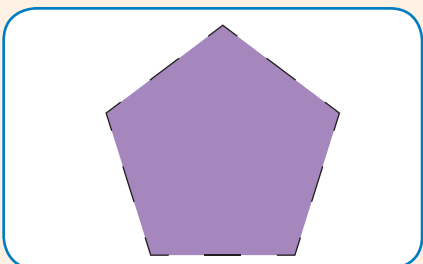
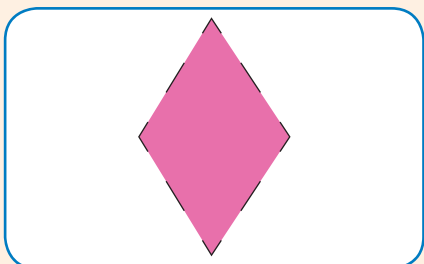
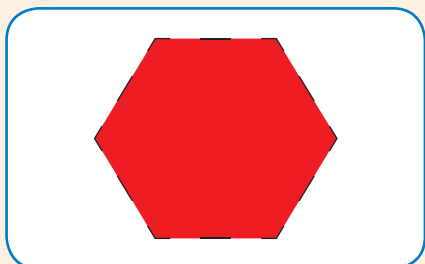


Zoba elinye icala lemilo usebenzise ibhodi yegridi ikuncede.



Krwela umgca wahlule ezi milo zibe ngamacala amabini afana twatse.



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_



# Amanani neXabiso lendawo

Ikota 3



Fakela amanani ashijweyo.

10	11				15
9	10				



Bhala impendulo.

←									→
6	7			10	11				15
←									→
15	14				10				6



Bhala impendulo.

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





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



10 + 1 obomvu



10 + 3 opinki



10 + 5 ozuba



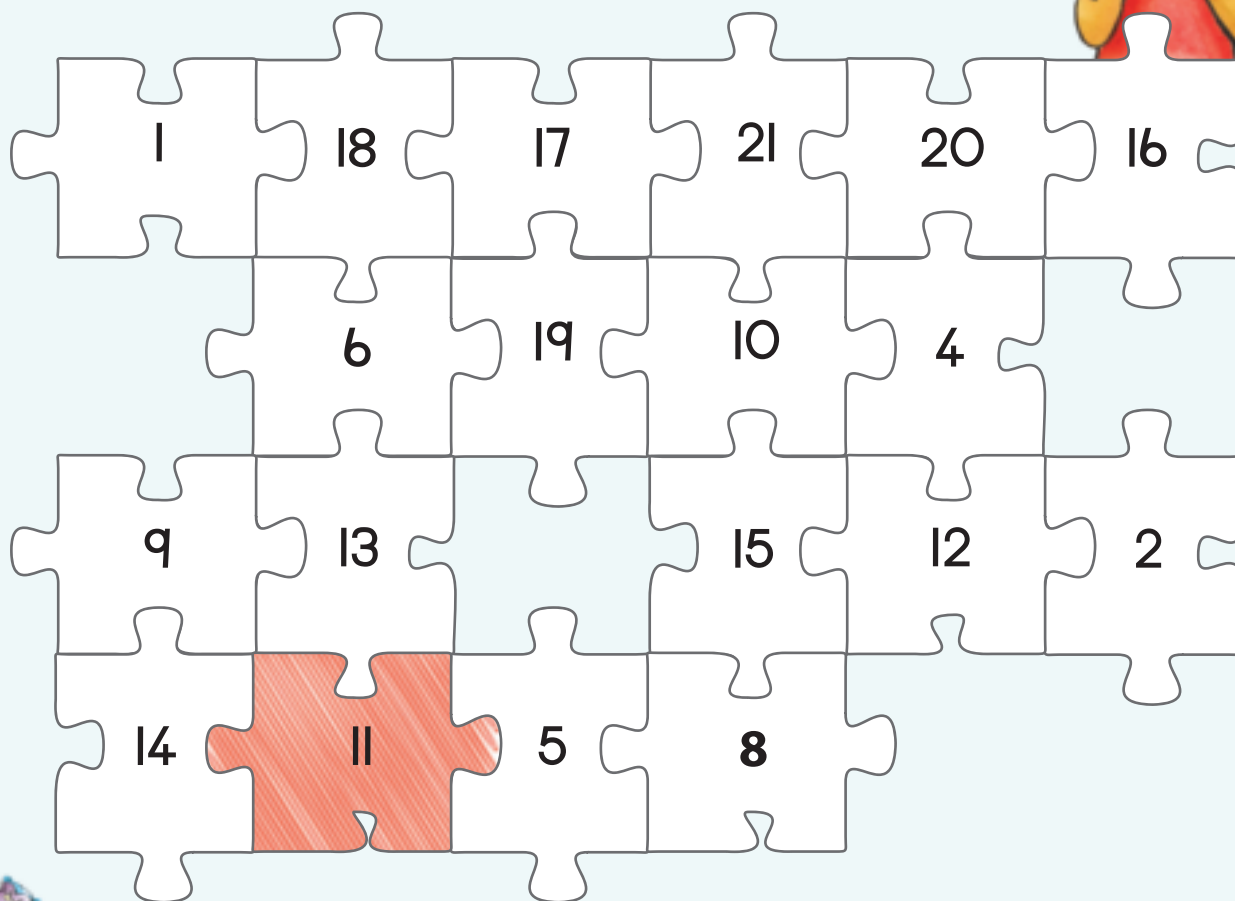
10 + 4 omthubi



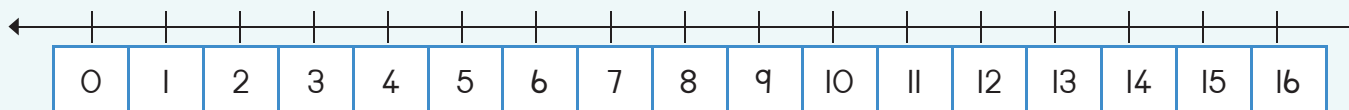
10 + 0 oluhlaza



10 + 2 o-orenji



Bonisa ishumi nesine kumgca - manani:

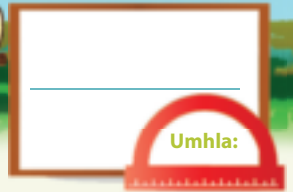


11 12 13 14 15 16 17 18 19 20



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_





# Ubude

Ikota 3



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



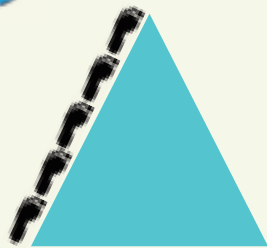
Zingaphi izandla zakho ezenza ububanzi?

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

Ububanzi buzizandla ezi \_\_\_\_\_.



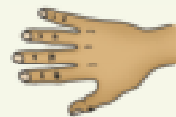
Zingaphi iinyawo emacaleni?







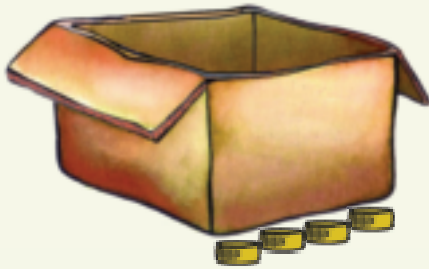
Bhala impendulo.



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



Buyintoni ubude nobubanzi bale bhokisi?



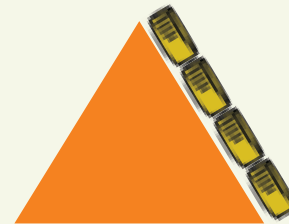
Ubude bungangeziciko zeebhodle ezi \_\_\_\_.

Ububanzi bungangeziciko zeebhodle ezi \_\_\_\_.

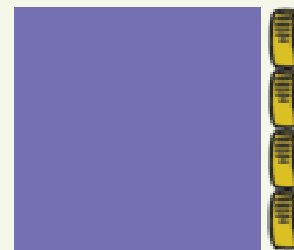


Ingaba icala lide kangangeziciko zeebhodle ezingaphi?



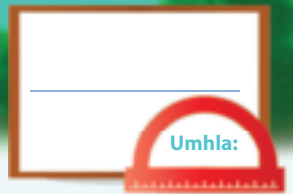








Teacher:  
Sign:  
Date:



# Inani 16

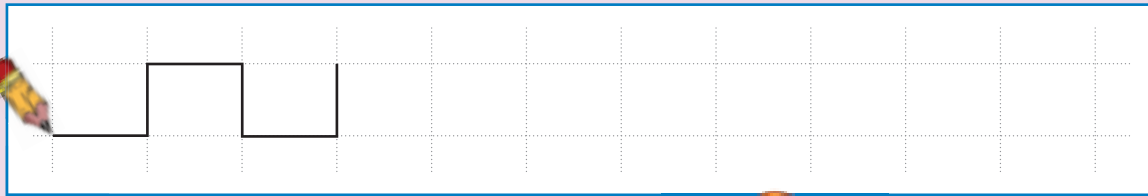
Ikota 4

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama uze ugqibezele ipatheni.

7

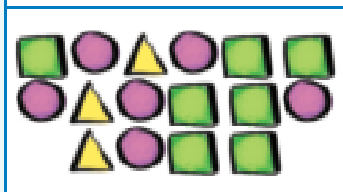
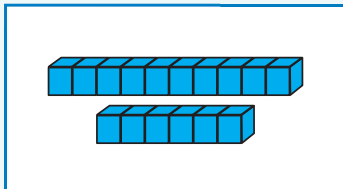
zisixhenxe



Tshatisa imifanekiso.

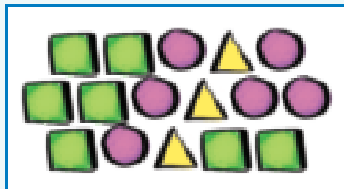


Khuphela amanani.

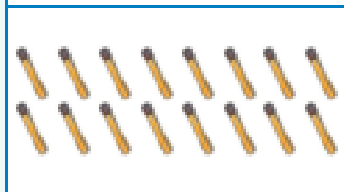
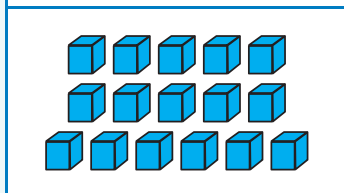


10  
6

16



16



10  
6

16 16 16 16

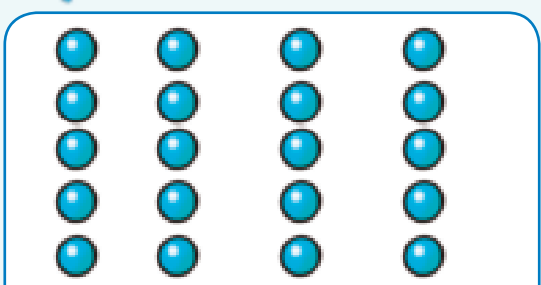
ishumi elinesithandathu

16 16 16 16

ishumi elinesithandathu



Biyela amaso ali-16 kuphela.



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





Zoba izinto ezili-16.

Khawuzizobe ngenye indlela ke ngoku.



Fakela amanani ashiyiweyo.

2	3	4
19		21
17		19



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

	16	
		ishumi elinesithandathu



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

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



Leliphi inani elinganeno ngononye kuneshumi elinesithandathu?

Leliphi inani elinganeno ngesibini kuneshumi elinesithandathu?

Leliphi inani elingaphezulu ngononye kuneshumi elinesithandathu?

Leliphi inani elingaphezulu ngesibini kuneshumi elinesithandathu?



Fakela amanani ashiyiweyo.

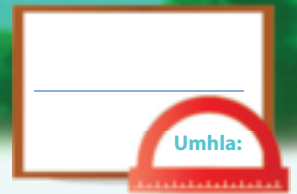
10	9		7	6		4	3		1

Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_





# Inani 17

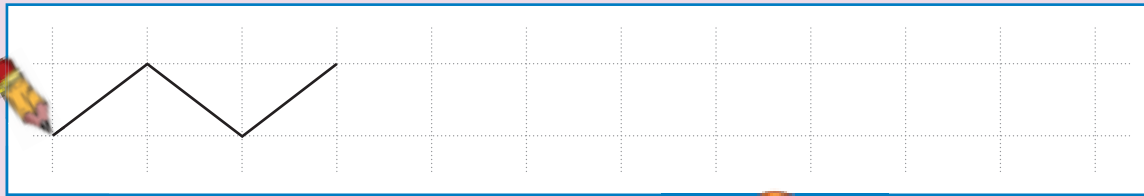
Ikota 4

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama uze ugqibezele ipatheni.

8

sibhozo



Tshatisa imifanekiso.



Khuphela amanani.

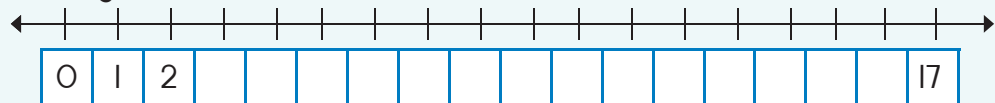
10
7
17

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 itheyibhile. Umqolo ngamnye unomfanekiso, inani negama lelo nani.

	17	
		ishumi elinesixhenxe



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



Fakela amanani angekhoyo.

La manani abizwa ngokuba yiminqakathi.

	2		4		6		8		10
	12		14		16		18		20



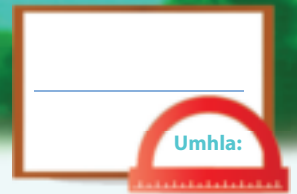
Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_



q q



# Inani 18

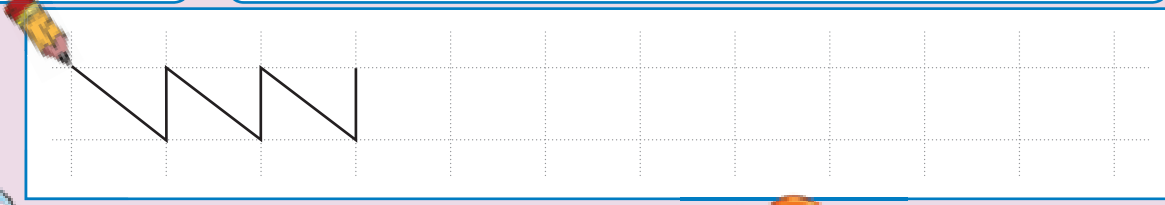
Ikota 4

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama uze ugqibezele ipatheni.

q

lithoba



Tshatisa imifanekiso.



Khuphela amanani.

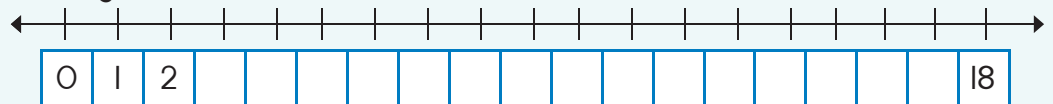
10 + 8
18

18
10 + 8

18	18	18	18
ishumi elinesibhozo			
18	18	18	18
ishumi elinesibhozo			



Gqibezela umgca-manani.



0 1 2 3 4 5 6 7 8 9 10



Zoba izinto ezili-18.

Khawuzizobe ngenye indlela ke ngoku.



Leliphi inani elilandelayo?

8	9	
33	34	
0	1	



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

	18	
		ishumi elinesibhozo



Leliphi inani elinganeno ngononye kune-18?

Leliphi inani elinganeno ngesibini kune-18?

Leliphi inani elingaphezulu ngononye kune-18?

Leliphi inani elingaphezulu ngesibini kune-18?



Fakela amanani ashiyiweyo.

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



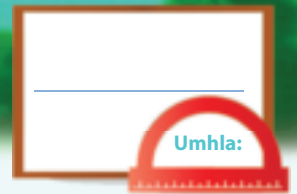
Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_



100



# Inani 19

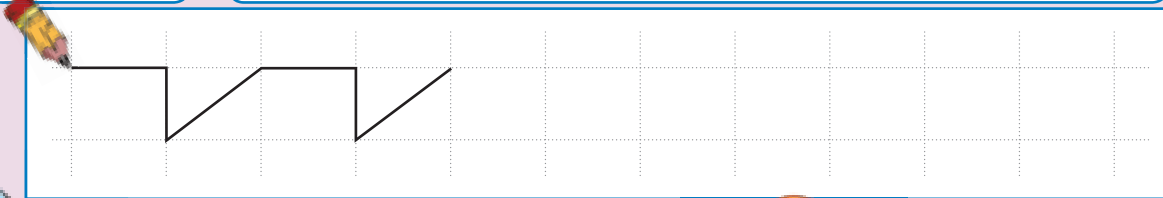
Ikota 4

Uhlaziyo:

Ziqhelise ukubhala inani ngamagama uze ugqibezele ipatheni.

10

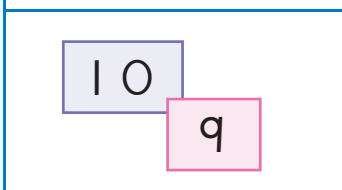
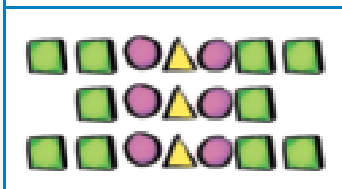
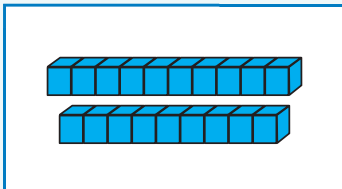
ishumi



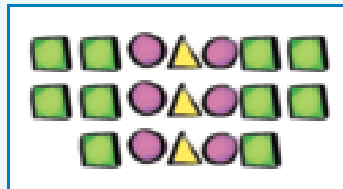
Tshatisa imifanekiso.



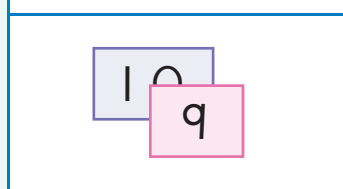
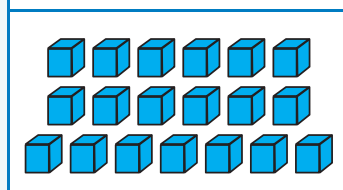
Khuphela amanani.



19



19

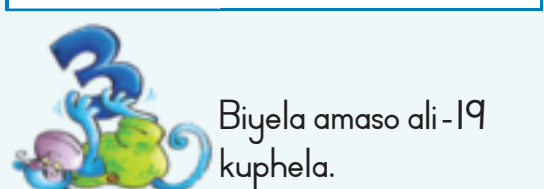


19 19 19 19

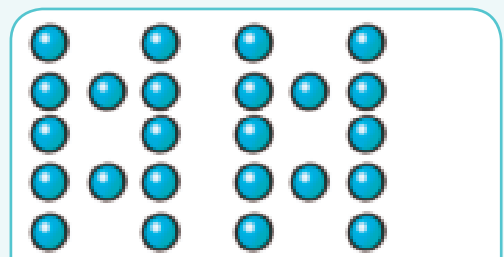
ishumi elinethoba

19 19 19 19

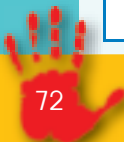
ishumi elinethoba



Biyela amaso ali-19 kuphela.



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



0 1 2 3 4 5 6 7 8 9 10





Zoba izinto ezili-19.

Khawuzobe ngenye indlela ke ngoku.



Leliphi inani eliphakathi?

14		16
35		37
8		10



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

	19	
		ishumi elinethoba



Leliphi inani elinganeno ngononye kune-19?

Leliphi inani elinganeno ngesibini kune-19?

Leliphi inani elingaphezulu ngononye kune-19?

Leliphi inani elingaphezulu ngesibini kune-19?



Fakela amanani ashiyiweyo.

La manani abizwa ngokuba ngoonombini.

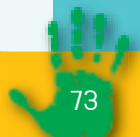
I		3		5		7		9	
II		13		15		17		19	

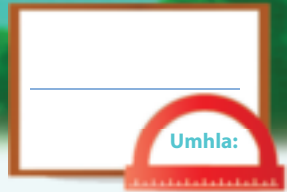


Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_





# Inani 20

Ikota 4



Tshatisa imifanekiso.





Khuphela amanani.

20 20 20 20

amashumi amabini

20 20 20 20

amashumi amabini



Biyela amaso angama-20 kuphela.

	Mangaphi ashiyekileyo? _____
--	------------------------------

	Mangaphi ashiyekileyo? _____
--	------------------------------



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

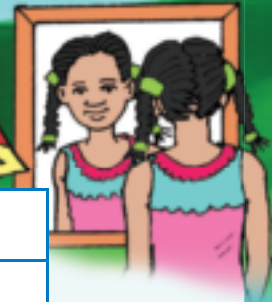
	20	amashumi amabini
		amashumi amabini
20		



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

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





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 ashijiyewo.

Phambi		Emva
16	17	
	12	
	14	
	9	10
	6	



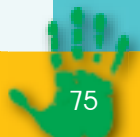
Sebenzisa amagama athi ngaphantsi okanye ngaphezulu ukuze ugqibezele oku:

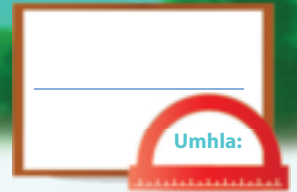
Ama-34 anga\_\_\_\_\_ kunama-38

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



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_





# Ukudibanisa

Ikota 4



Biyela inani elikhulu kwibloko nganye.

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



Dibanisa oku kulandelayo.  
Qala ngenani elikhulu.

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



Dibanisa iibloko.

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



Bhala isivakalisi -manani.

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





Bhala isivakalisi -manani kwisibalo ngasinye:

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



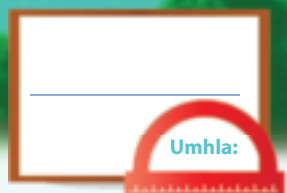
Fakela amanani angekhoyo.

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



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_





# Ukuthabatha

Ikota 4



Bala.

17		<input type="text"/>
19		<input type="text"/>
14		<input type="text"/>
12		<input type="text"/>



Bhala isivakalisi - manani.

<input type="text"/>					



Bhala isivakalisi - manani.

<input type="text"/>					



Bala.

18		<input type="text"/>
7		<input type="text"/>
15		<input type="text"/>
9		<input type="text"/>



Gqibezela izibalo usebenzise imifanekiso.

	$16 - \square = \square$

	$10 + \square = \square$
--	--------------------------





Thabatha iibloko.

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



Gqibezela:

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



Gqibezela:

Ezi-5 eziphindwe kabini zenza	<input type="text"/>	Ezi-3 eziphindwe kabini zenza	<input type="text"/>	Ezi-4 eziphindwe kabini zenza	<input type="text"/>
Ezi-7 eziphindwe kabini zenza	<input type="text"/>	Ezi-2 eziphindwe kabini zenza	<input type="text"/>	Ezi-8 eziphindwe kabini zenza	<input type="text"/>
i-10 eliphindwe kabini lenza	<input type="text"/>	Ezili-9 eziphindwe kabini zenza	<input type="text"/>	u-1 ophindwe kabini wenza	<input type="text"/>



Phendula:

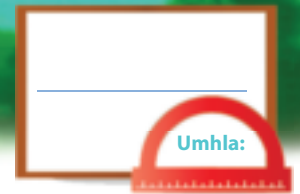
$9 + 9 - 1 =$	<input type="text"/>	okanye	Phinda kabini $9 - 1 =$	<input type="text"/>
<input type="text"/>	<input type="text"/>	okanye	Phinda kabini $5 - 1 =$	<input type="text"/>
$4 + 4 - 1 =$	<input type="text"/>	okanye		<input type="text"/>

Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_





## Ukudibanisa nokuthabatha

Ikota 4



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

$3 + \square = 8$

$4 + \square = \square$



Sombulula la maqhina ezibalo.  
Ungazoba umfanekiso ukuncede.



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

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



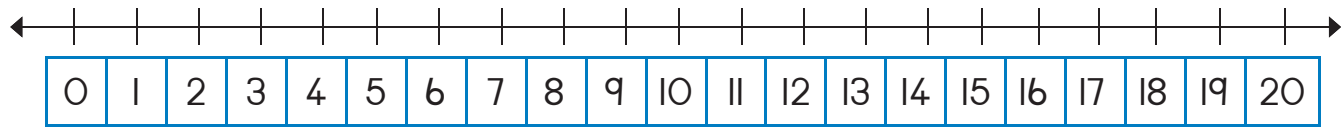
0 1 2 3 4 5 6 7 8 9 10



Yenza umgca - manani ukuze usombulule la maqhina ezibalo:

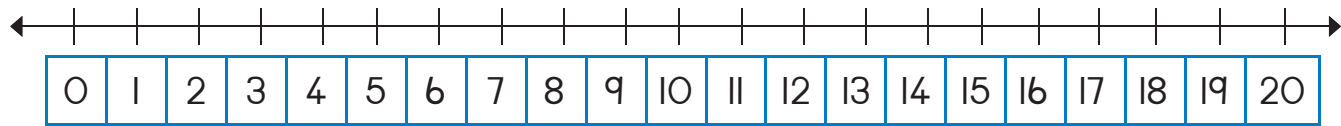
UThandi unamapetyu aluhlaza ama-6 nazuba ali-9.

Mangaphi amapetyu anawo ewonke?



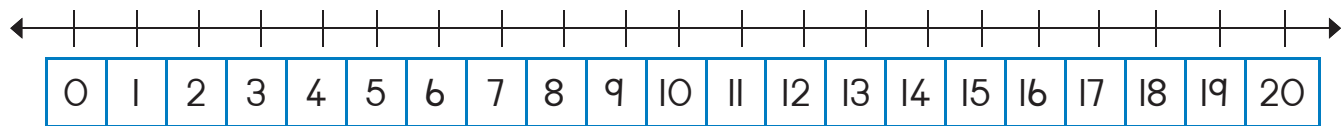
ULerato unamapetyu ali-16. Asibhozo aluhlaza aze amanye abe zuba.

Mangaphi amapetyu azuba anawo uLerato?



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

Zininzi kangakanani iibhanana zikaThandi kunezikaThemba?



Ngawaphi amanani aphakathi kwama-25 nama-30?

Biyela inani elikhulu ngo-1 kunama-76.

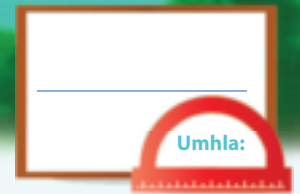


Biyela inani elikhulu ngesi-2 kunama-76.



Teacher:  
Sign:  
Date:





## Inani lesingaphi

Ikota 4



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

Sipho




Lerato



2

John



3

Peter

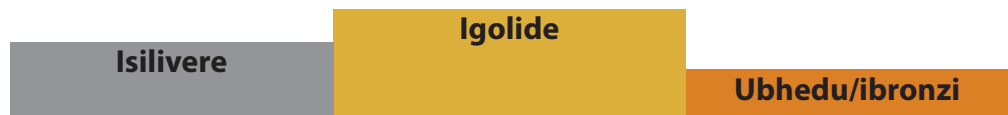



Ann





Bazobe  
beseqongeni.



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

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



Zoba umtya wamaso  
ngolu hlobo:

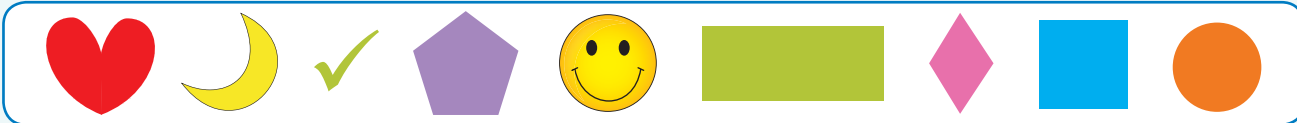
- Iliso lokuqala lizuba.
- Elesibini iliso libomvu.
- Elesithathu liluhlaza.
- Elesine limthubi.
- Elesihlanu lizuba.
- Elesithandathu libomvu.
- Elesixhenxe liluhlaza.
- Elesibhozo limthubi.
- Elethoba lizuba.
- Eleshumi libomvu.

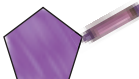
Umtya wam wamaso.





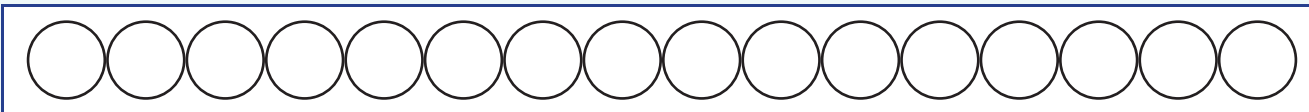
Jonga ukulandelelana kweemilo.  
 Khuphela iimilo kwiindawo ezichanekileyo kwithejibhile.  
 Sikwenzele eyokuqala.



Yeyiphi imilo:			
yesine		yesixhenxe	
yesihlanu		yethoba	
yesibini		yokugqibela	
yesithathu		yesithandathu	



Yenza oku:



Faka umbala obomvu kwisangqa sokuqala.



Faka umbala omthubi kwisangqa sesihlanu.



Faka umbala ozuba kwisangqa sesibhozo.



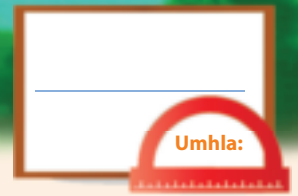
Zoba umgca - manani oqala kwi -10 uye kuma -20.  
 Biyela inani lesithathu nelesibhozo.



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

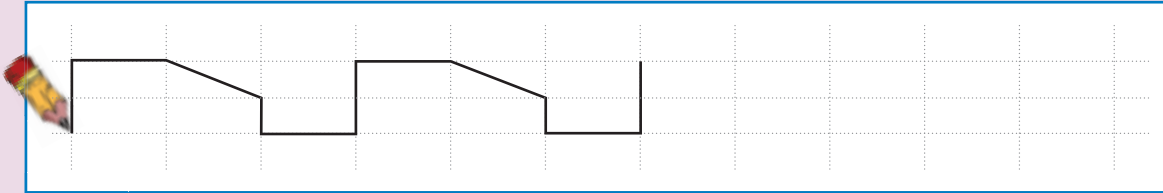
Date: \_\_\_\_\_



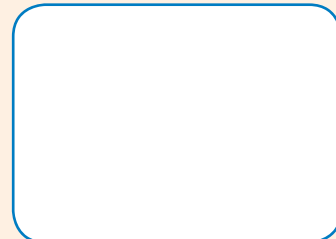
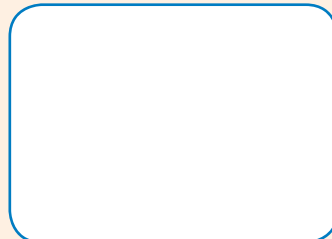
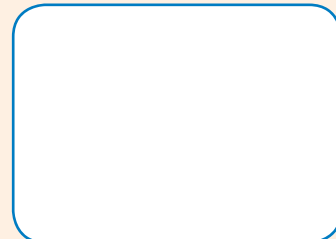
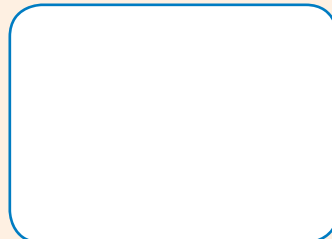
## Izinto neemilo

Uhlaziyo:

Uhlaziyo: Gqibezela ipatheni.



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



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





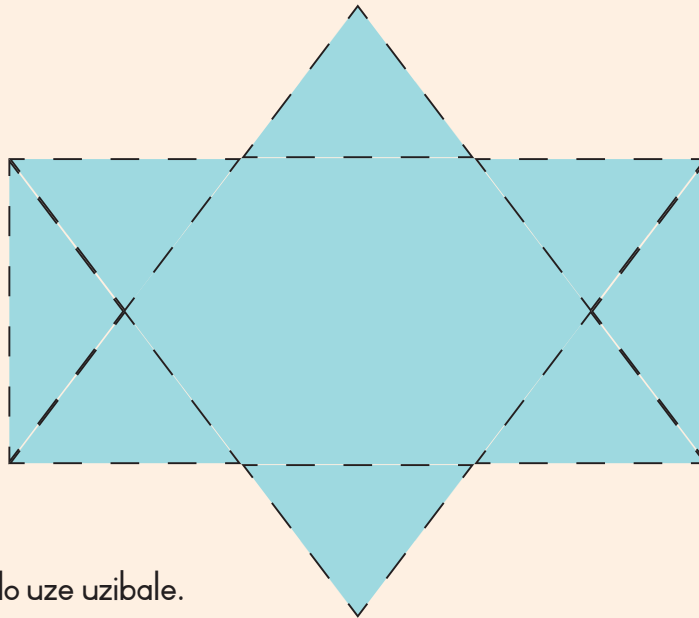
Khuphela igama uze uzobe loo nto liyimeleyo.

ibhokisi

ibhola



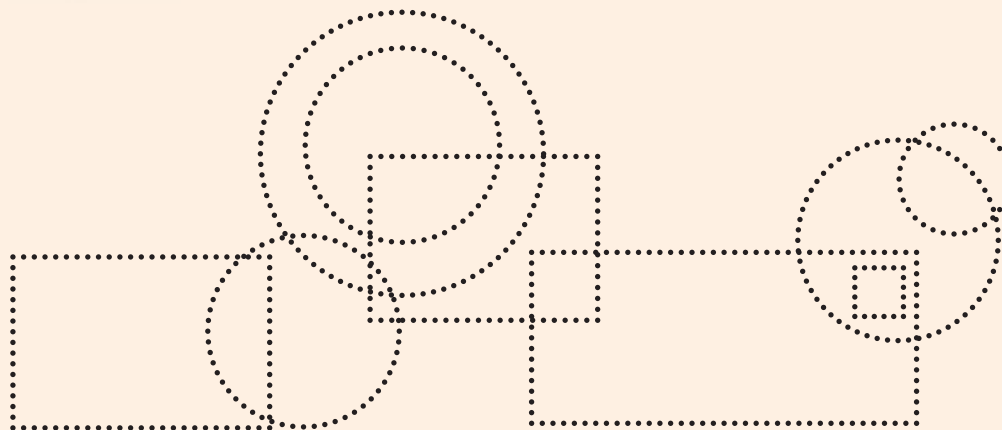
Bala bonke oonxantathu uze ubhale inani labo.



Impendulo:



Khuphela iimilo uze uzibale.



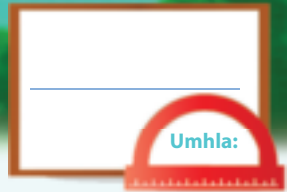
Izangqa

Izikwere



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_





# Imali

Ikota 4



Zeziphi iinkozo zemali okwaziyo ukuzitshatisa?



Kwibloko nganye phawula imali eziinkozo nengamaphepha eza kukunika ezi zixa.

RIO		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
R20		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
RI5		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>





Thabatha ii-R2.

 <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <math>R12 - R2 = R10</math> </div>	 <div style="border: 1px solid black; height: 30px; width: 100%; margin: 10px auto;"></div>	 <div style="border: 1px solid black; height: 30px; width: 100%; margin: 10px auto;"></div>
---	--	---




Thabatha ii-R5.

 <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <math>R15 - R5 = R10</math> </div>	 <div style="border: 1px solid black; height: 30px; width: 100%; margin: 10px auto;"></div>	 <div style="border: 1px solid black; height: 30px; width: 100%; margin: 10px auto;"></div>
--	---	--



Zingaphi iindibaniso ezahlukileyo onokuzifumana kuma-R20?  
Sikwenzele eyokuqala.





Biyela imali kumgca ngamnye ocinga ukuba unokuthenga kakhulu ngayo.

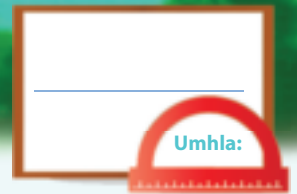


Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_



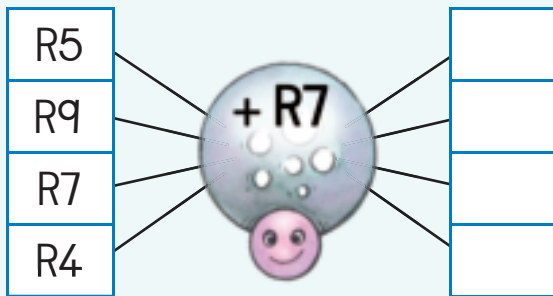


# Okunye ngemali

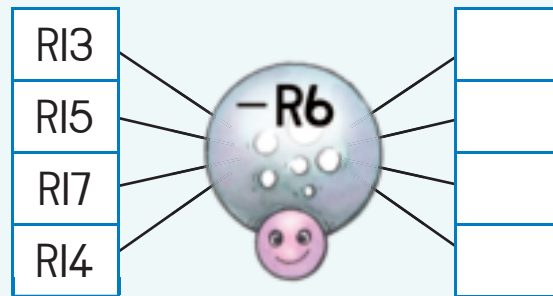
Ikota 4



Bala.



Bala.



Fakela impendulo.

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



Yeyiphi engaphezulu?  
Biyela impendulo yakho.

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



Dibanisa amanani uxwese uphinde uwadibanise uhlise uze ubhale impendulo yakho.

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





Jonga umzekelo uze ugqibezele ezinye.

R17	=	R10	+	R7
R16	=		+	
R15	=		+	
R14	=		+	
R13	=		+	
R12	=		+	



UJames uthenge isonka ngee-R8. Uhlawule nge-R10 eliphhepha. Yimalini itshintshi ayifumeneyo?

Uthini umbuzo?

---



---

Bhala amanani.

---

Bhala isibalo uze ubale.

---



UMama kaBusi uthenge umnqwazi ngee-R17. Uhlawule ngee-R10 zamaphepha ezimbini. Yimalini itshintshi ayifumeneyo?

Uthini umbuzo?

---



---

Bhala amanani.

---

Bhala isibalo uze ubale.

---



Umhla wokuzalwa kukaJudy ubungeCawe. Uye waphiwa ii-R5 ngudadewabo, umnakwabo yena wampha ii-R2 waze umza wakhe wampha ii-R10. Yimalini ayiphiweyo iyonke?

Uthini umbuzo?

---



---

Bhala amanani.

---

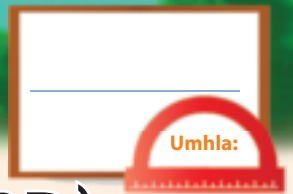
Bhala isibalo uze ubale.

---



Teacher:  
Sign:  
Date:



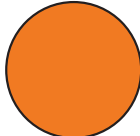

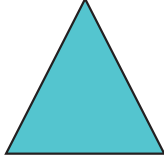





# Iimilo ezinemilinganiselo emi - 2 (2D)

Ikota 4



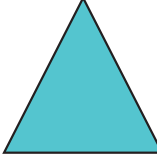


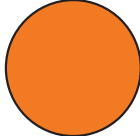


Phawula eyona milo incinci kwibloko nganye.

					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



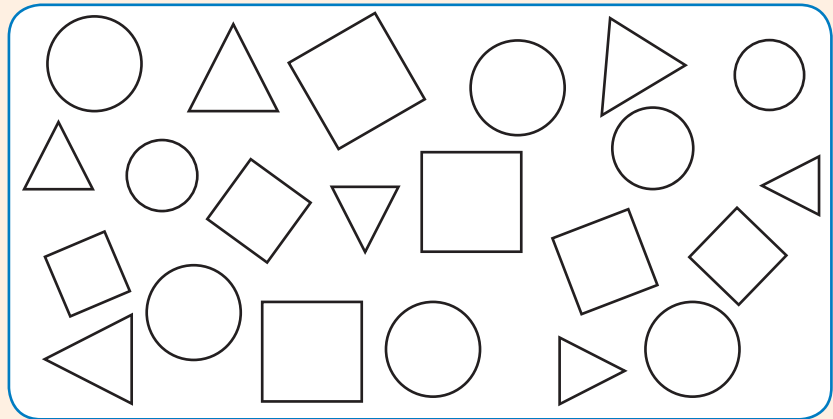
Phawula eyona milo inkulu kwibloko nganye.

					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



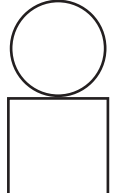


Faka umbala:

- ozuba kwizikwere
- obomvu koonxantathu
- oluhlaza kwizangqa



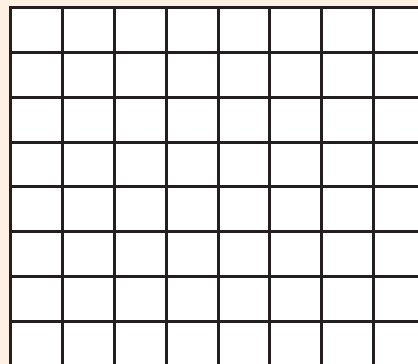
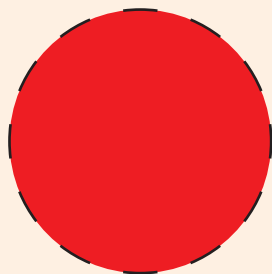
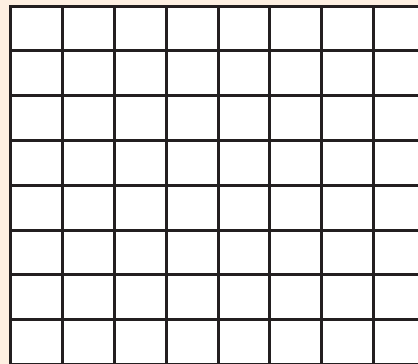
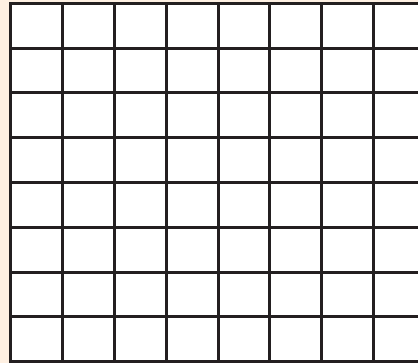
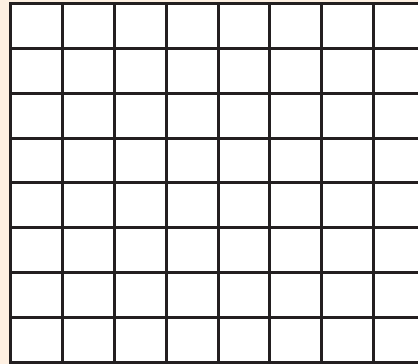
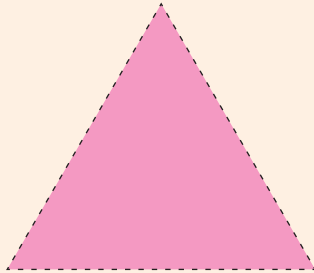
Yenza umfanekiso ngeemilo.  
Umfanekiso ngamnye  
siwuqale ngeemilo ezimbini.

		
---	---	---



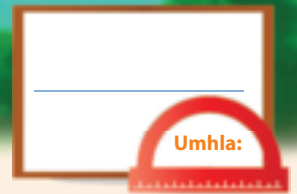


Zoba iimilo kwigridi.  
Sebenzisa izikwere ezincinci zikuncede.



Teacher:  
Sign:  
Date:







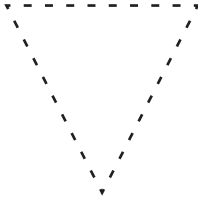
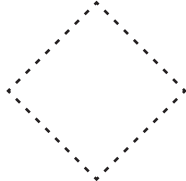


# Iimilo ezi-2D – amacala athe tye nangqukuva

Ikota 4

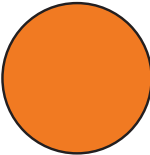

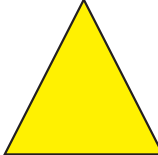


Khuphela ezi milo zilandelayo.

 unxantathu	 isangqa	 isikwere
 isangqa	 unxantathu	 isikwere



Phawula ubonise ukuba imilo inamacala athe tye okanye angqukuva.

 amacala angqukuva <input type="checkbox"/> amacala athe tye <input type="checkbox"/>	 amacala angqukuva <input type="checkbox"/> amacala athe tye <input type="checkbox"/>	 amacala angqukuva <input type="checkbox"/> amacala athe tye <input type="checkbox"/>
--	--	--



Zoba imilo enamacala:

athe tye	angqukuva
----------	-----------



Bala inani lezangqa, lezikwere neloonxantathu.


Izangqa

Izikwere

Oonxantathu



Funa kwimagazini umfanekiso onamacala:

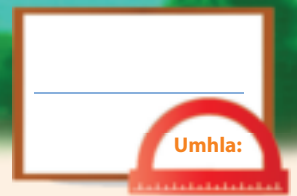
angqukuva

athe tye



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_



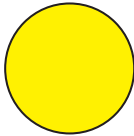

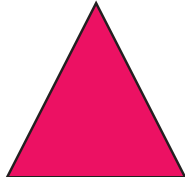

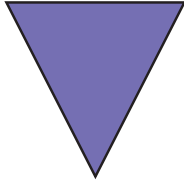
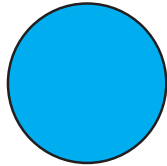


# Okunye ngeemilo ezi - 2D

Ikota 4



Thiya ezi milo amagama:

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

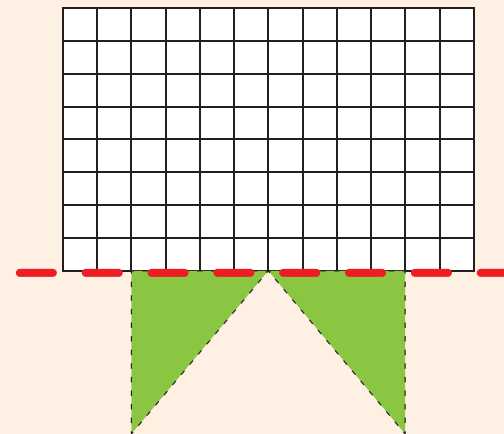
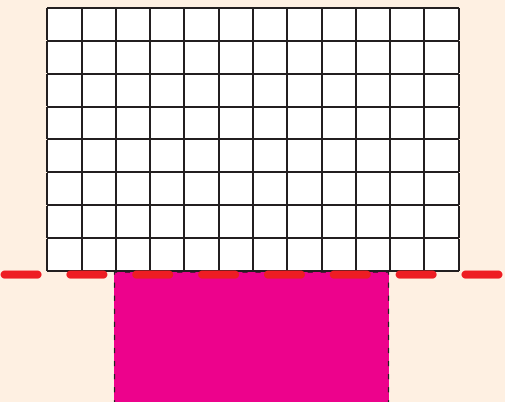
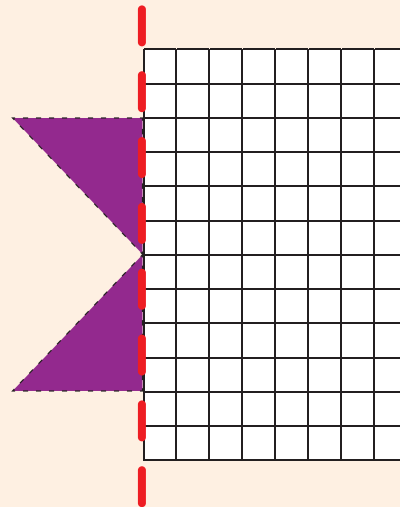
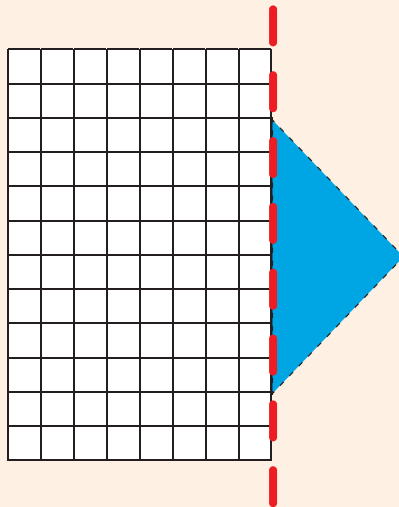
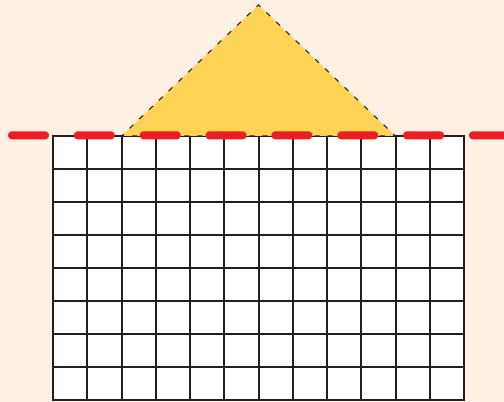
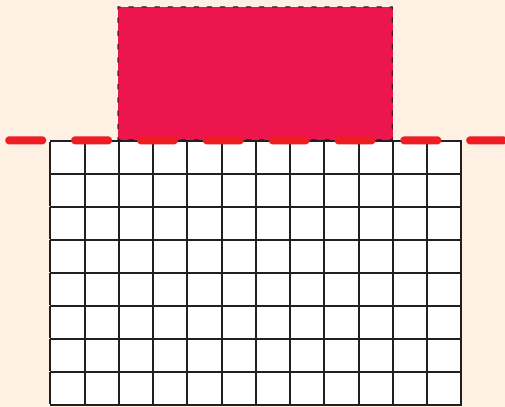


Zoba owakho umfanekiso usebenzise izangqa, oonxantathu nezikwere.





Zoba icala elisisiqingatha semilo nganye.  
Sebenzisa izikwere ezincinci zikuncede.

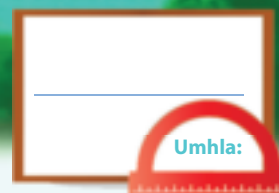


Zonke zinamacala athe tye angqukuva .



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_





# 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:



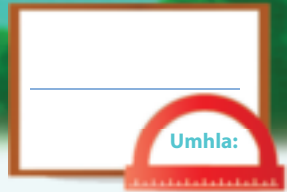
Bhala amanani ashijiweyo.

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



Teacher:  
Sign:  
Date:





# Izihlanu – ukudibanisa okuphindiweyo ukuya kutsho kuma-20



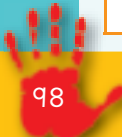
Yenza amaqela ezihlanu uze ubhale isivakalisi - manani.



Zoba amaqela eemilo ubonise isivakalisi - manani.


$$\boxed{5} + \boxed{5} + \boxed{5} = \boxed{\phantom{00}}$$

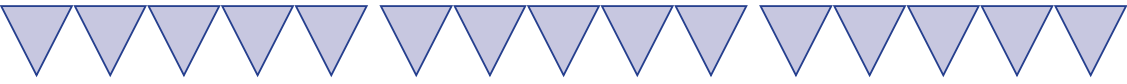
$$\boxed{5} + \boxed{5} + \boxed{5} + \boxed{5} = \boxed{\phantom{00}}$$




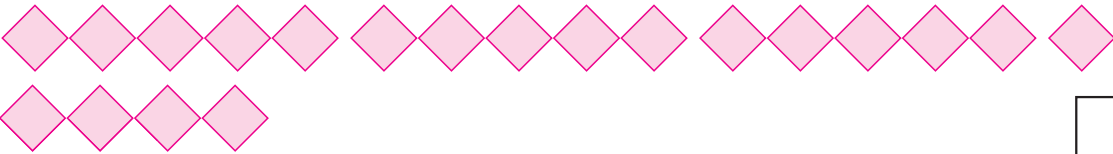


Bhala isivakalisi - manani kumfanekiso ngamnye:


  
 $5 + 5 = \square$









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

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



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

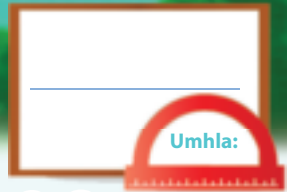


Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_





# Ukwabelana ukuya kutsho kuma - 20

Ikota 4



Yabela abahlobo abahlanu iilekese.  
Uza kufumana iilekese ezingaphi emnye?

Umhlobo ngamnye uza kufumana iilekese ezi

Umhlobo ngamnye uza kufumana iilekese ezi

Umhlobo ngamnye uza kufumana iilekese ezi

Umhlobo ngamnye uza kufumana iilekese ezi

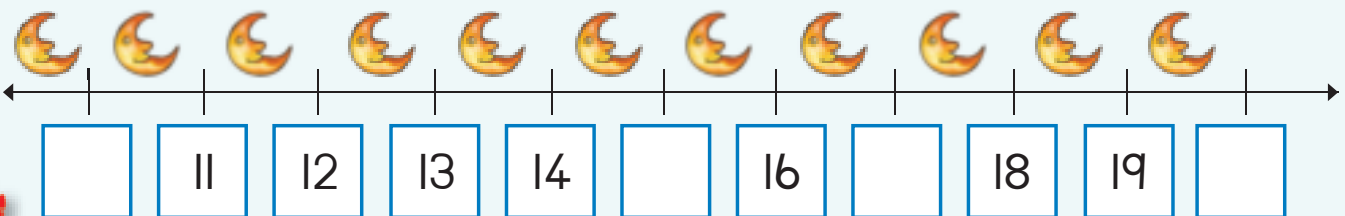


Faka umbala kwiziphindwa zesihlanu.

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



Bhala amanani angekhoyo.





Yenza umfanekiso ubonise oku kulandelayo.  
Ingaba zikhona izibalisi ezishiyekileyo?

Yabela abantwana abahlanu izibalisi ezili -10.

Yabela abantwana abahlanu izibalisi ezi -6.

Kukho izibalisi ezi  ezishiyekileyo.

Kukho isibalisi esi  esishiyekileyo.

Yabela abantwana abahlanu izibalisi ezili -11.

Yabela abantwana abahlanu izibalisi ezili -16.

Kukho isibalisi esi  esishiyekileyo.

Kukho isibalisi esi  esishiyekileyo.



Bhala isivakalisi - manani kumfanekiso ngamnye:



$$5 + 5 =$$



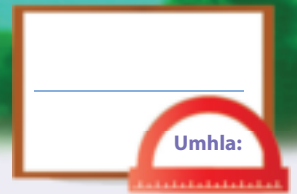






Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_





## Iipatheni zamanani – izihlanu ukuya kwi-100

Ikota 4



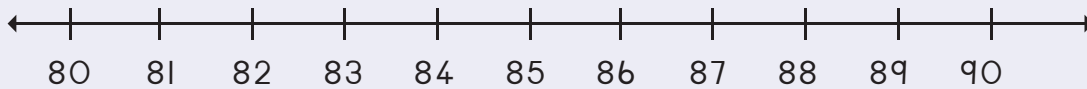
Gqibezela ipatheni ngokufakela imibala kwiziphindwa zezihlanu.

71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

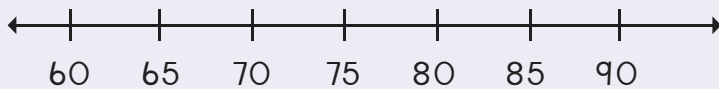


Yenza izazinge ubonise oku:

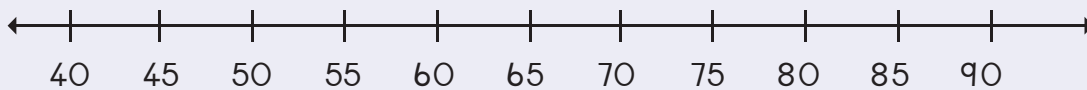
86, 88, 90



70, 75, 80



55, 60, 65, 70



Sebenzisa iwotshi ubonise ukubala imizuzu ngezihlanu.



0 1 2 3 4 5 6 7 8 9 10





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

69
68
67
66
65
64
63
62
61
60

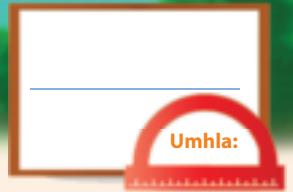
75
70

85
80



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_





# 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?

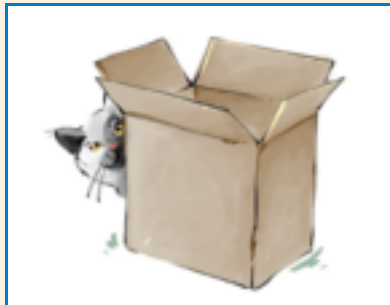
Faka umbala kwimpendulo echanekileyo.



Ngasemva

Ngaphambili

Ecaleni



Ngasemva

Ngaphambili

Ecaleni



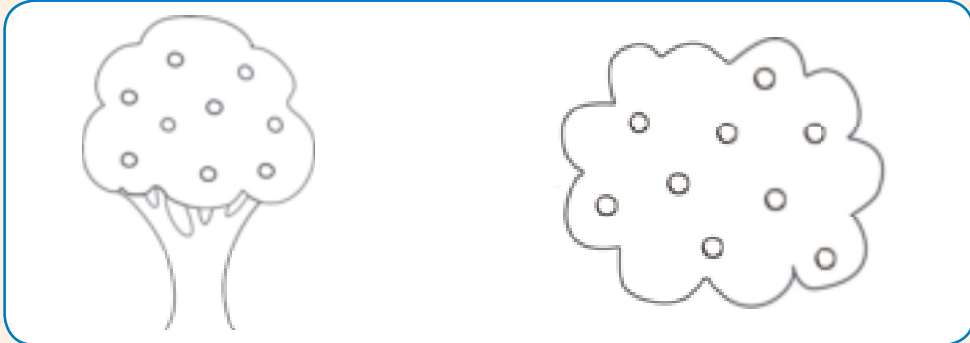
Ngasemva

Ngaphambili

Ecaleni

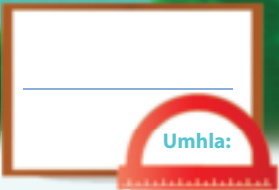


Jonga le mifanekiso mibini. Faka umbala kwimbonakalo yangaphezulu.



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_





# Amaqela ezibini ukuya kutsho kuma - 20

Ikota 4



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

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

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

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

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

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

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



Yenza amaqela ezibini. Wazobe la maqela.






Phendula imibuzo.



Zingaphi iintaka ezikhoyo?

Mangaphi amaqela ezibini onokuwenza?

Bhala izivakalisi - manani.



Biyela ngesangqa ukuze wenze oku.

Amaqela ezi-2 asi-7

Amaqela ezi-2 asi-8

Amaqela ezi-2 ali-9

Amaqela ezi-2 ali-10



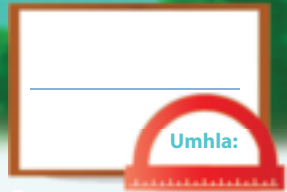
Bhala isivakalisi - manani kumfanekiso ngamnye.






Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



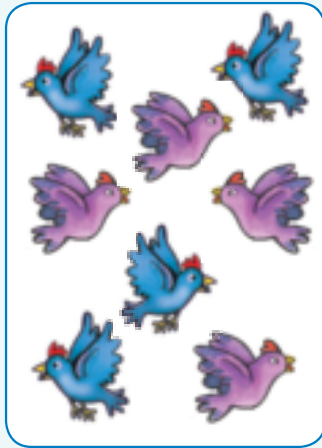


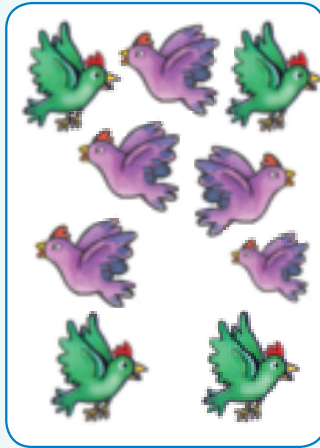
# Izibini – ukudibanisa okuphindiweyo ukuya kuma-20

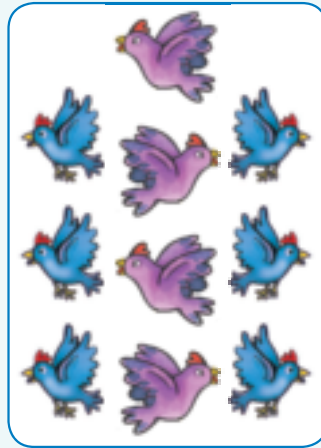


Mangaphi amanqina akhoyo? Bhala isivakalisi-manani kwibloko nganye.











Zoba iimilo ezimele oku:

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



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

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

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





Bhala isivakalisi - manani kumfanekiso ngamnye:

12 blue circles

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

12 red circles

18 purple circles

16 green circles



Faka umbala kwiziphindwa zesibini.

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



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

Blank box for drawing a picture.

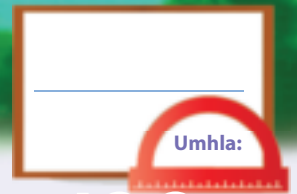
Blank box for writing the number.

Ndinelekese ezi .



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_





# Iipatheni zamanani – izibini ukuya kwi-100

Ikota 4



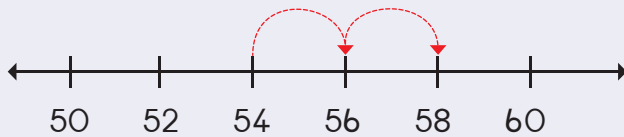
Gqibezela ipatheni ufakele imibala kula manani.

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

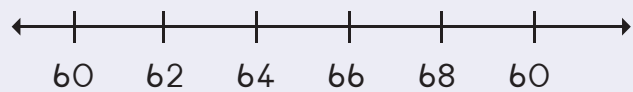


Yenza izazinge ubonise oku:

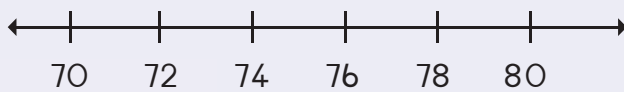
54, 56, 58



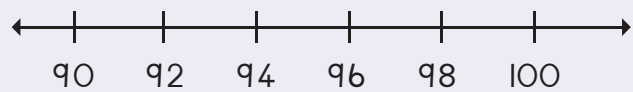
64, 66, 68



74, 76, 78



94, 96, 98

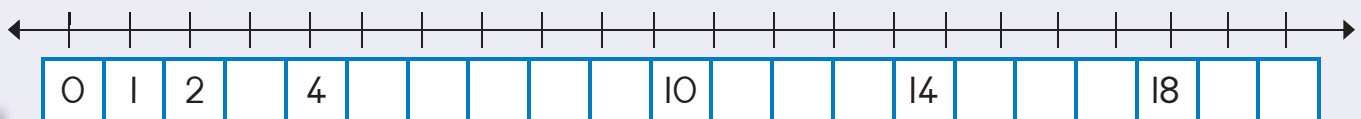


Fakela amanani ashijiyweyo. Fakela umbala kule patheni: 2, 4...

I		3				7			10
II						17			20



Gqibezela umgca - manani.





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

↑										↓	
		69			67						
		65			63						
		61									
		60									
		79			77						
		75			73						
		71									
		70									
		89			87						
		85			83						
		81									
		80									
		99			97						
		95			93						
		91									
		90									

|| 12 13 14 15 16 17 18 19 20



Teacher:  
Sign:  
Date:





Umhla:

# Iipatheni zamanani – izibini ukuya kutsho kwi-100

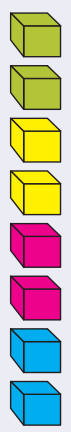
Ikota 4



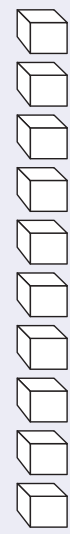
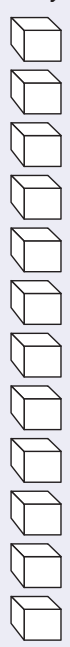
Zikhona iipatheni zezibini ozibonayo?



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

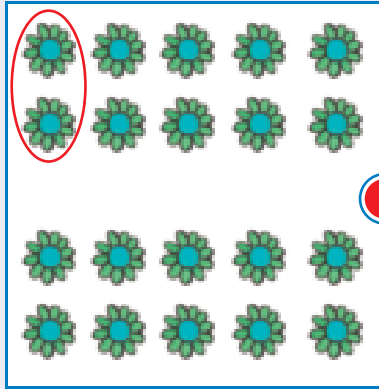


4

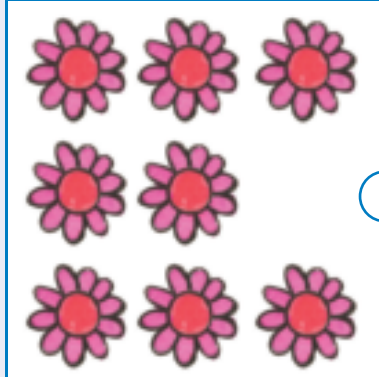




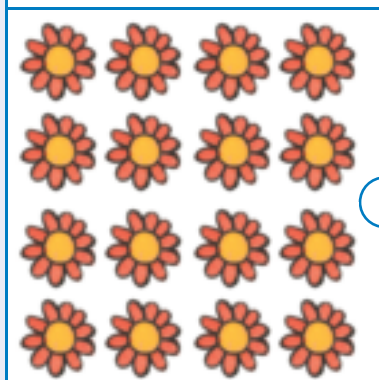
Krwela umgca utshatise amaqela ezibini nezivakalisi -manani.



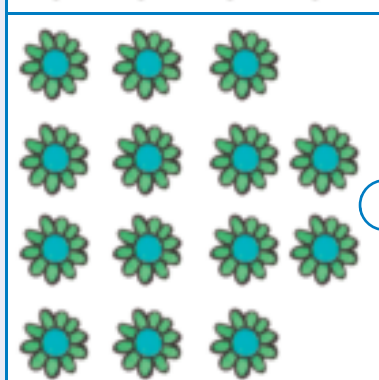
$$2 + 2 + 2 + 2 = 8$$



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



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



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



Teacher:  
Sign:  
Date:

11

12

13

14

15

16

17

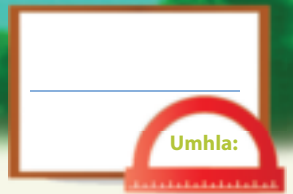
18

19

20



113

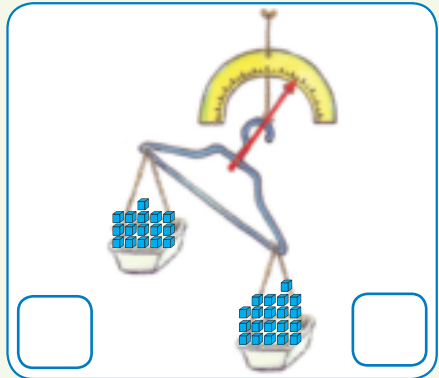
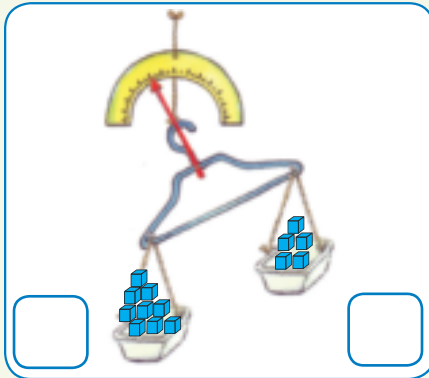
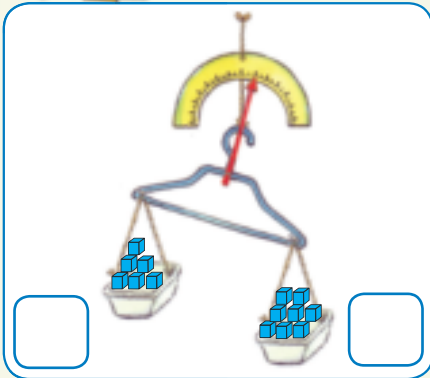


# Ubunzima

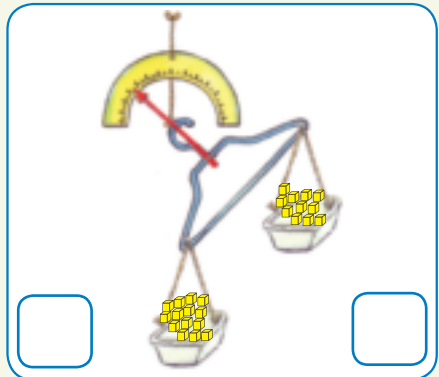
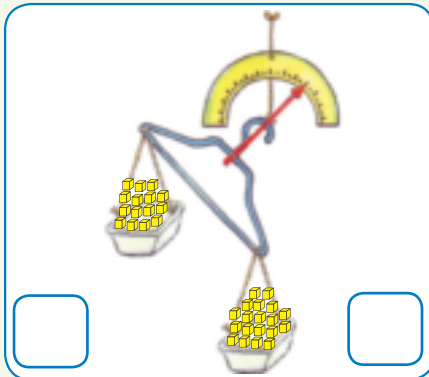
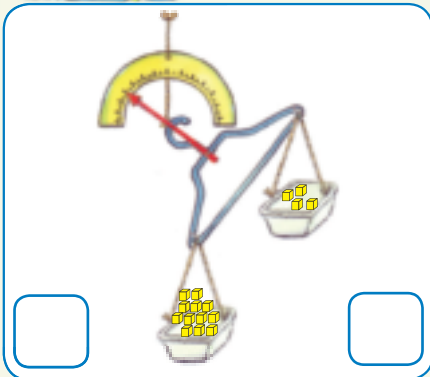
Ikota 4



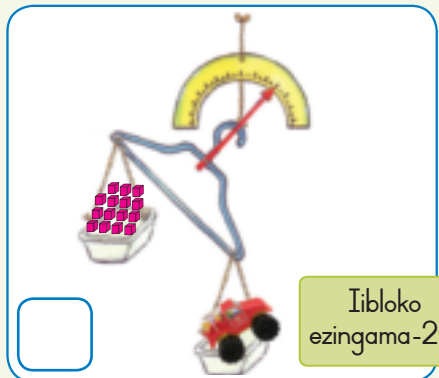
Bhala ukuba zingaphi iibloko ezikwisikhongozelo ngasinye. Biyela isikhongozelo esinzima.



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

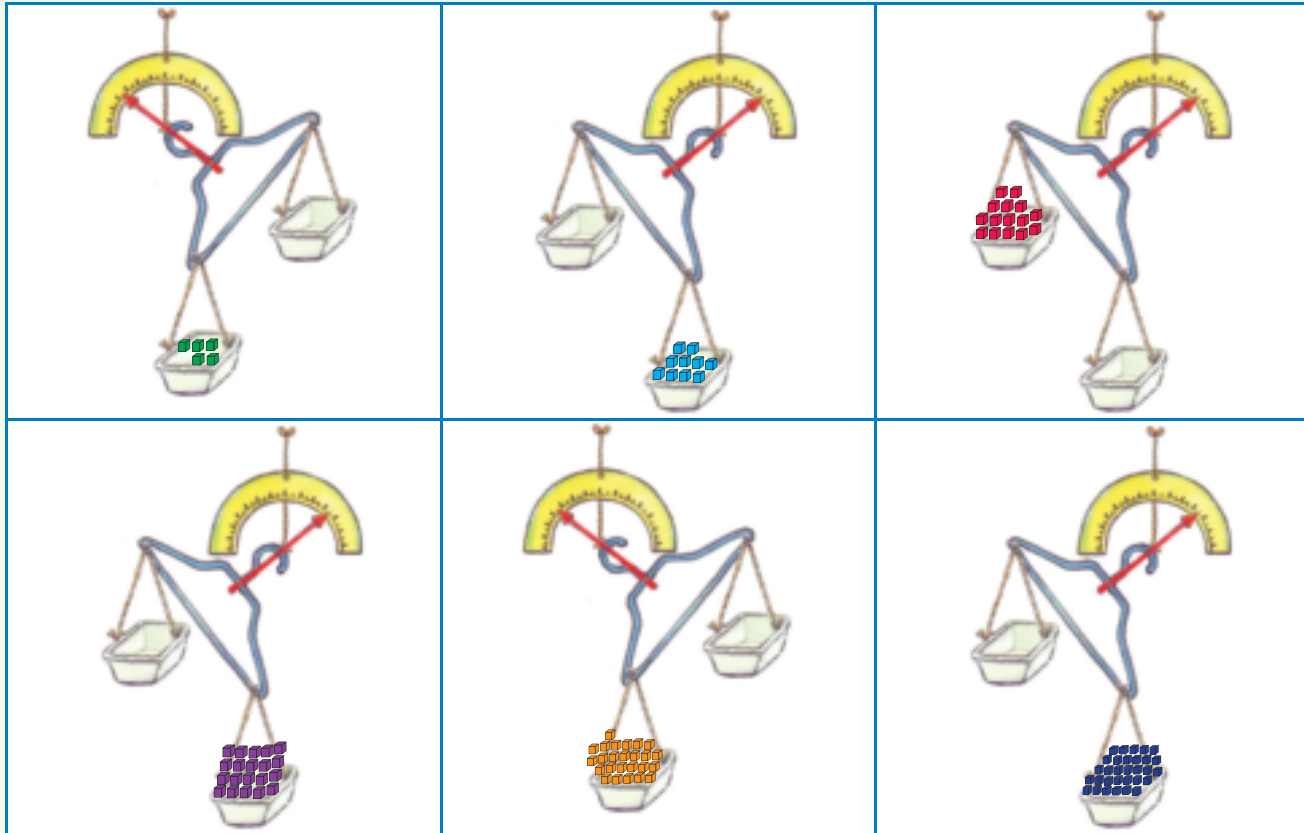


Bala ukuba zingaphi na iibloko. Bala ukuba zingaphi iibloko ezingaphezulu ezifunekayo ukuze kulinganiswe ithoyi. Isikali siyakuxelela ukuba ithoyi inobunzima obungakanani.





Zoba into enzima okanye ekhaphu - khaphu kuneebloko.



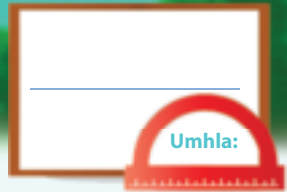
Sebenzisa naziphi na izinto ezintlanu ezisedesikeni yakho. Qala ujqikelele ukuba inobunzima obungakanani uze wakugqiba uyilinganise esikalini ukhangele ukuba ingaba ingqikelelo yakho ichanekile na.

Zoba le nto	Qikelela	Ubunzima	Uahluko
	ziibloko ezi ___	ziibloko ezi ___	___ - ___ = ___



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_





# Ukuphinda kabini

Ikota 4



Phendula oku kulandelayo:

Zingaphi izikwere ezikhoyo?

Zingaphi ezikhoyo ngoku?

Sithi i-12 eliphindwe kabini lenza ama-24.

Mingaphi imilenze ekhoyo?

Mingaphi imilenze ekhoyo ngoku?

Sithi isi-6 esiphindwe kabini silingana ne

Bangaphi oothinti abakhoyo?

Bangaphi oothinti abakhoyo ngoku?

Sithi i-10 eliphindwe kabini lenza

Zingaphi iintsuku ezenza iveki?

C	Mv	Lb	Lt	Ln	Lhl	Mgq

Zingaphi iintsuku ezikwiiveki ezimbini?

C	Mv	Lb	Lt	Ln	Lhl	Mgq

Sithi isi-7 esiphindwe kabini senza

Zingaphi iikhrayoni ezikhoyo?

Zingaphi iikhrayoni ezikhoyo ngoku?

Sithi isi-8 esiphindwe kabini senza





Bhala impendulo.

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



Bhala impendulo:

Isi <b>bini</b> esiphindwe kabini senza	isine
Isi <b>thathu</b> esiphindwe kabini senza	
Isi <b>ne</b> esiphindwe kane senza	
Isi <b>lanu</b> esiphindwe kabini senza	
Isi <b>handathu</b> esiphiwe kabini senza	
Isi <b>xhenxe</b> esiphindwe kabini senza	



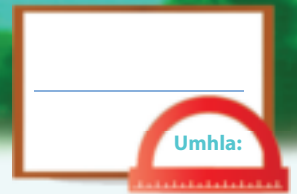
Grqibezela itheyibhile

$9 + 9 + 1 =$	<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"/>



Teacher:  
Sign:  
Date:





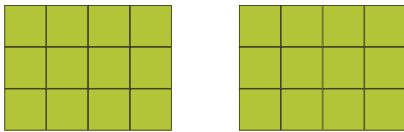
## Ukwahlula kubini

Ikota 4

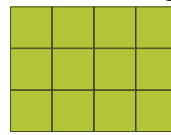


Phendula oku kulandelayo:

Zingaphi izikwere ezikhoyo?



Zingaphi izikwere ezikhoyo ngoku?



Sithi isiqingatha sama - 24 li - 12.

Mingaphi imilenze ekhoyo?

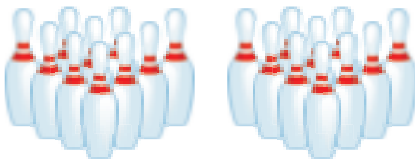


Mingaphi imilenze ekhoyo ngoku?



Sithi isiqingatha se - 12 sisi -

Bangaphi oothinti abakhoyo?



Bangaphi oothinti abakhoyo ngoku?



Sithi isiqingatha sama - 20 li -

Zingaphi iintsuku kwiiveki ezi - 2?

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

Zingaphi iintsuku kwiveki enye?

C	Mv	Lb	Lt	Ln	Lhl	Mgq

Sithi isiqingatha se - 14 sisi -

Zingaphi iikhrayoni ezikhoyo?



Zingaphi iikhrayoni ezikhoyo ngoku?



Sithi isiqingatha se - 16 sisi -





Bhala impendulo.

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



Bhala impendulo.

Isiqingatha sesi- <b>ne</b> sisi-	bini
Isiqingatha sesi- <b>thandathu</b> sisi-	
Isiqingatha sesi- <b>bini</b> ngu-	
Isiqingatha sesi- <b>hozo</b> sisi-	
Isiqingatha sesi- <b>humi</b> sisi-	

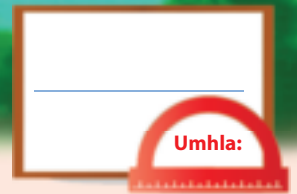


Bhala impendulo.

Isiqingatha se- <b>10</b> sisi-	5
Isiqingatha se- <b>12</b> sisi-	
Isiqingatha se- <b>14</b> sisi-	
Isiqingatha se- <b>16</b> sisi-	
Isiqingatha se- <b>18</b> li-	



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

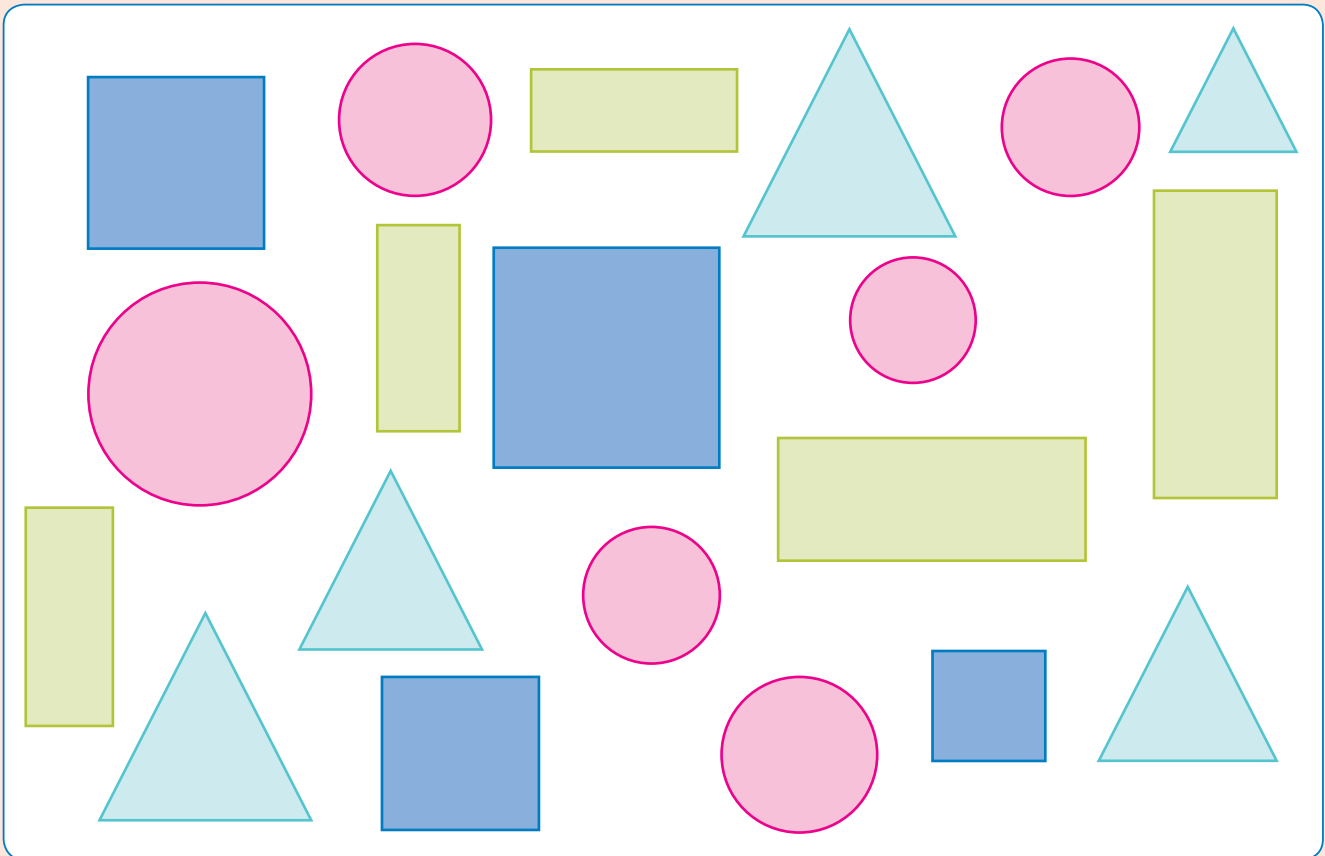


# Iinkcukacha

Ikota 4



Bala ukuba zingaphi iimilo ezahlukeneyo ezikhoyo wandule ukuphendula imibuzo.



1. Zingaphi izikwere ezikhoyo? 

2. Bangaphi oonxantathu abakhoyo? 

3. Zingaphi iingxande ezikhoyo? 

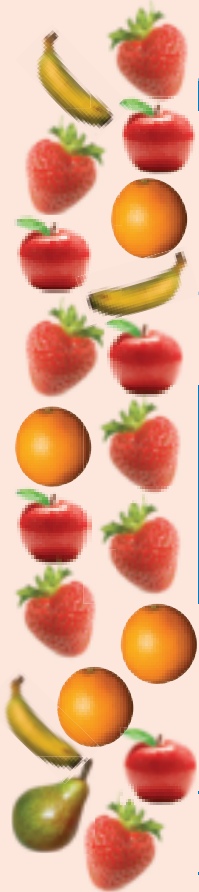
4. Zingaphi izangqa ezikhoyo? 



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	Iibhanana	Ii-orenji

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

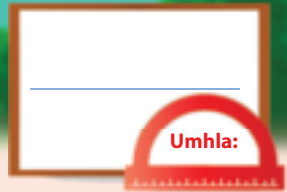


Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_





# Ezinye iinkcukacha

Ikota 4



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



Gqibezela itheyibhile.

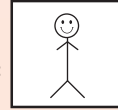
Ithoyi	Inani
Oonopopi	
Iitrakha	
Oobherana	
Iirobhothi	



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?	

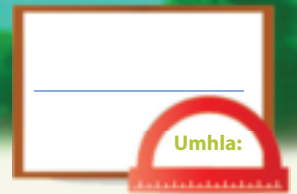


Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_





# Umthamo

Ikota 4



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

	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	



Phawula isikhongozelo  
esiya kuthatha  
umthamo omncinci.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Phawula isikhongozelo  
esiya kuthatha  
umthamo omninzi.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Ingaba ezi zikhongozelo  
zizele okanye azinanto?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





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

--	--	--



Faka umbala ubonise umthamo ochanekileyo wolwelo.

 1	+	 2	=	 <input type="text"/>
 2	+	 2	=	 <input type="text"/>
 2	+	 3	=	 <input type="text"/>

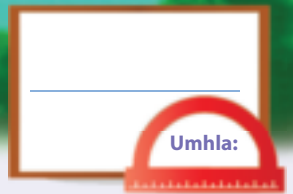


Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_





# Iipatheni zejometri

Ikota 4



Gqibezela iipatheni.

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

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

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

A	B	B	A	B	B		B	B	A		
---	---	---	---	---	---	--	---	---	---	--	--

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

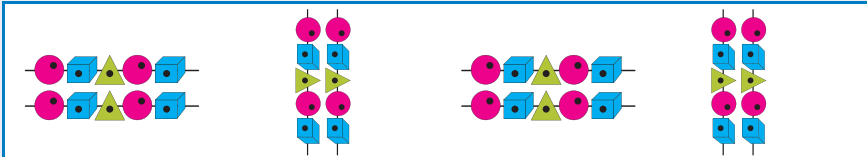
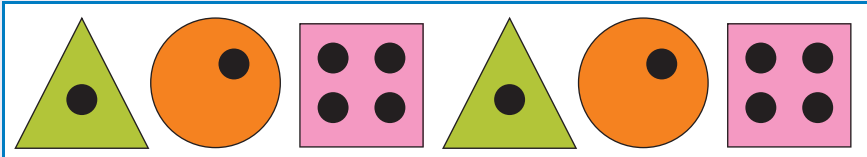
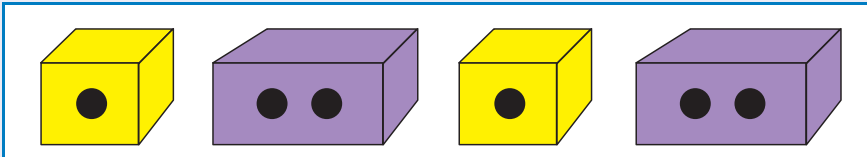
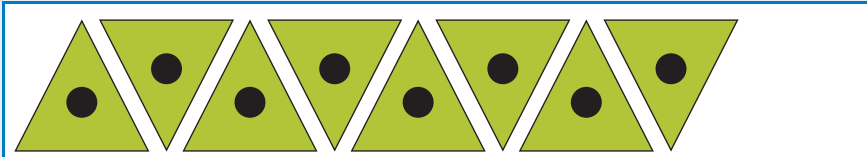
A	D	A	D	A	D			A	D		
---	---	---	---	---	---	--	--	---	---	--	--

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





Yandisa iipatheni.

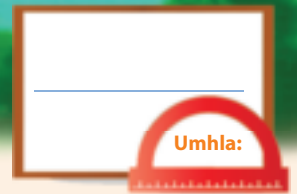


Zenzele ezakho iipatheni usebenzise izangqa, izikwere noonxantathu.



Teacher:  
Sign:  
Date:



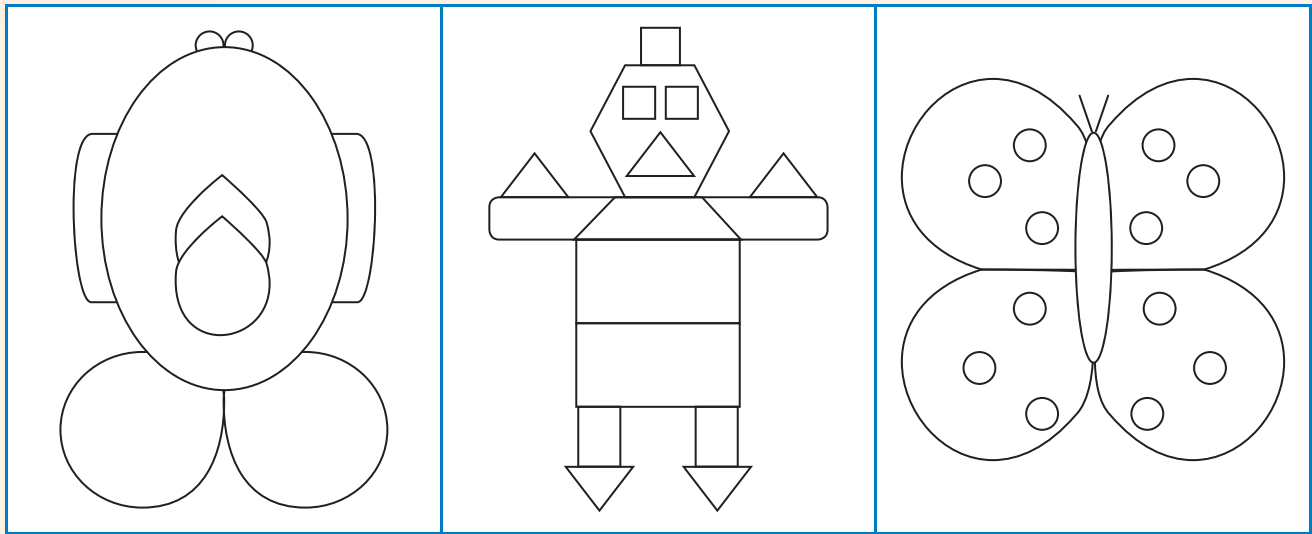


# Umatwa - totse

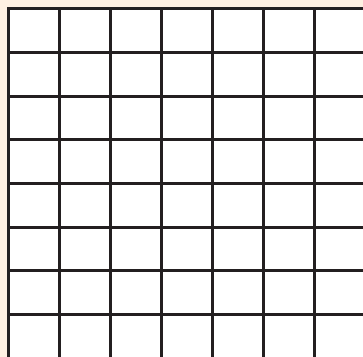
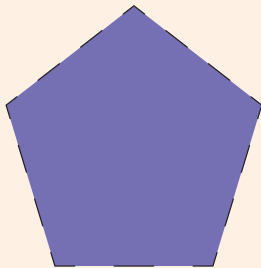
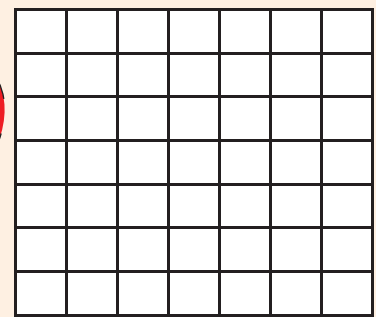
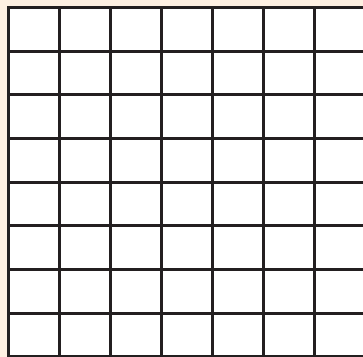
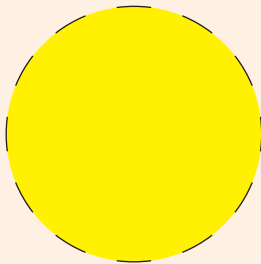
Ikota 4



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.

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Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_



# Amanqaku



A large white rectangular area with a vertical red margin line on the left and horizontal blue lines for writing.

# Amanqaku



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

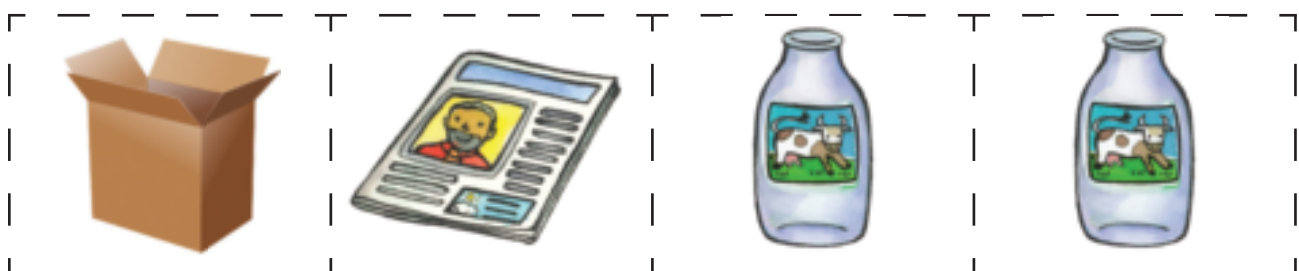
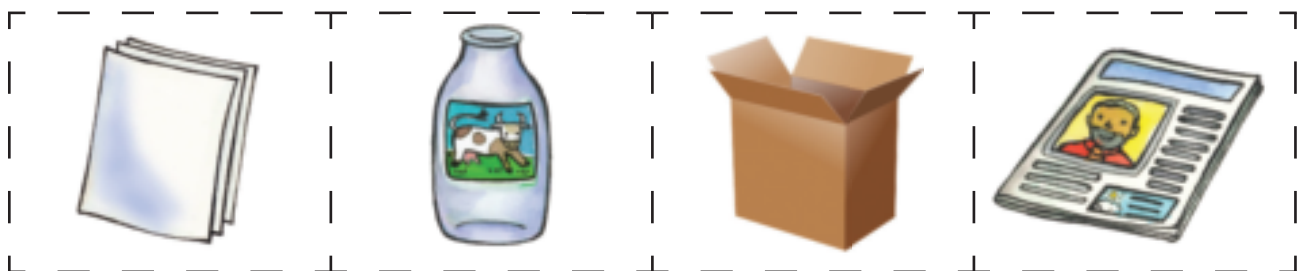
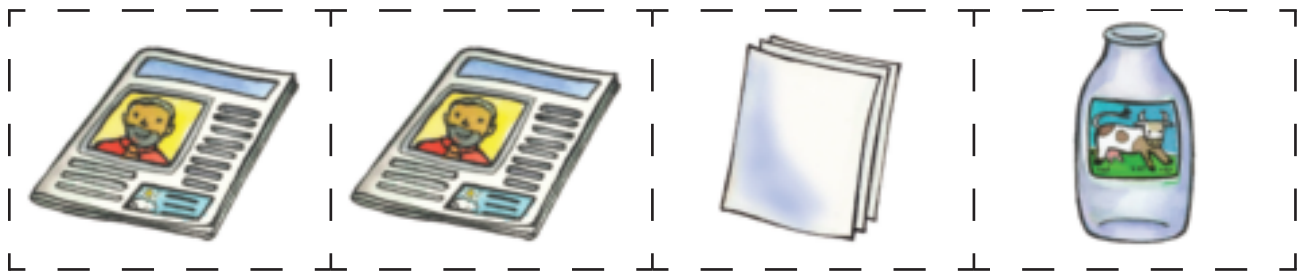
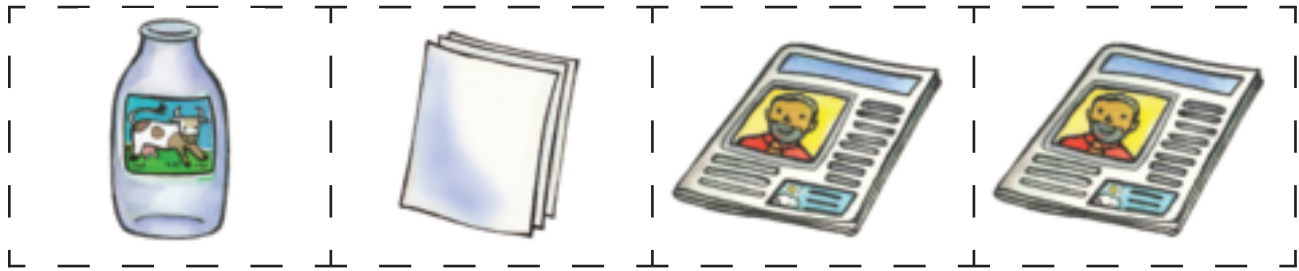
# Amanqaku



A large white rectangular area with a vertical red margin line on the left and horizontal blue lines for writing.

# Cut-out 1

Worksheet 79





## Cut out cards 2

### Worksheet 83

45	50	40	40	30	35
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### Worksheet 84

70	65	75	80	70	60
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### Worksheet 93

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

### Worksheet 115

72	78	82	84	86	74	80
76	88	90				

### Worksheet 119

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

