

IZIBALO NGESIZULU

Incwadi yesi-2
Ithemu 3 & 4



IZIBALO NGESIZULU – Ibanga loku- | Incwadi yesi - 2

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basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

Igama:

Iklasi:

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

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

Masiyazi imvelaphi yethu.	Masingawaphindi amaphutha enzeka enkathini eyedlule.	Umthethosisekelo uyasisiza ukuba sibe nesithombe futhi sakhe ikusasa elingcono lethu sonke.
---------------------------	--	---

Thina, Bantu baseNingizimu Afrika –
Siyakukhumbula ukucekelwa phansi kwamalungelo okwenzeka eminyakeni eyadlu; Sibungaza labo abahluphekela ubulungiswa nenkululeko kulo mhlaba wethu; Sihlonipha labo abasebenzele ukwakha nokuthuthukisa izwe lethu; Futhi sikholelwla ekuthini iNingizimu Afrika ingeyabo bonke abahlala kuyo, sibumbene nakuba singefani.
Ngakho-ke, ngabameleli bethu esibakhetha ngokukhululeka, samukela lo Mthethosisekelo njengomthetho-ngqangi wezwe lethu, ukuze—
Silungise ukwehlukana kwsikhathi esedlule bese sakha umphakathi owestekelwe yinkolelo yenqubo yentando yeningi, ubulungiswa emphakathini, kanye namalungelo obuntu;
Sibeke isesekelo sokwakha umphakathi oqhuba ngendlela yentando yeningi; futhi ovulekile, lapho uHulumeni akhelwe khona phezu kwentando yabantu futhi lapho zonke izakhamuzi zivikelwe ngumthetho ngendlela efanayo;
Sithuthukise izinga lokuphila lazo zonke izakhamuzi futhi sikhulule amakhono omuntu ngamunye; futhi—
Sakhe iNingizimu Afrika ebumbene futhi eqhuba ngenqubo yentando yeningi ekwazi ukuthatha indawo yayo efanele njengezwe elizimele emazweni ngamazwe.

Yazisa ilungelo lakkho njengesakhamuzi saseNingizimu Afrika uzmisele ukuvinkelwa amalungelo abanye.	Yazi Umqulu wamalunge kanye Nomqulu wezinto ezidingga ukwenziwa.
---	--

Sengathi uNkulunkulu angabavikela abantu bakithi.
Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.



MATHEMATICS IN ISIZULU

GRADE 1 – BOOK 2

TERMS 3 & 4

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15th Edition

1 2 3 4

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UNksz Siviwe Gwarube,
uNgqongqoshe weMfundu
Eyisisekelo



UDkt Reginah Mhaule,
iSekela loMnyango
weMfundu Eyisisekelo

Lezi zincwadi zokusebenzela zenzelwe abantwana baseNingizimu Afrika ngaphansi kwesandla sikaNgqongqoshe weMfundu Eyisisekelo, UNksz Siviwe Gwarube, neSekela likaNgqongqoshe weMfundu Eyisisekelo, uDkt Reginah Mhaule.

Lezi zincwadi ezibizwa ngeRainbow Workbooks ziyingxene yeMnyango weMfundu Eyisisekelo lapho uMnyango uzama khona ukungelela ukuze kuthuthukiswe imfundo yabantwana bamabanga asuka kwelokuqala kuya kwelesithupha eNingizimu Afrika. UMnyango weZimali uxhase lo mkhankaso kaHulumeni njengento yokuqala uHulumeni azibekile yona ukuthi ayisukumele. Uxaso loMnyango weZimali lusize uMnyango wezeMfundu ukuthi ukwazi ukukhigiza uphinde usabalalise ngaphandle kwenkokhelo lezi zincwadi zokusebenzela ngazo zonke izilimi zaseNingizimu Afrika ezisemthethweni.

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

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

Sifisela wena nomfundi omfundisayo impumelelo ngenkathi usebenzisa lezi zincwadi.



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Ibanga
loku-



i z i b a i o

NGESIZULU

Le ncwadi ngeka -:

ISIZULU

Incwadi
yesi-2

2



65



Ithemu 3

Thola ulwazi ngale nombolo: II

Ukubuyekeza:

Zijwayeze ukubhala izinombolo.



kunye

I I

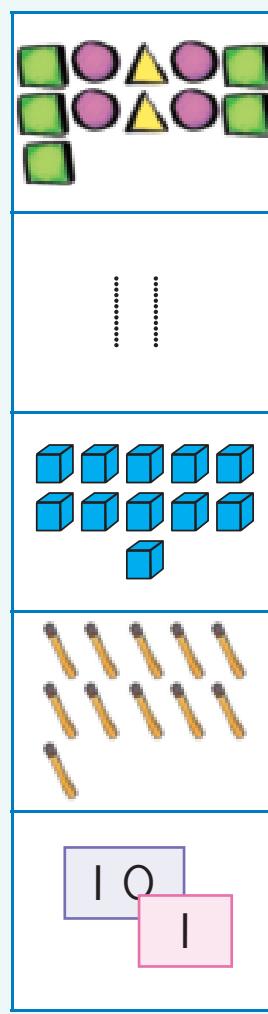
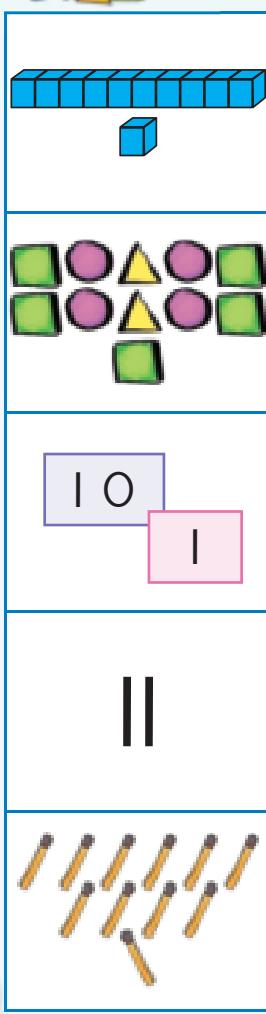


kubili

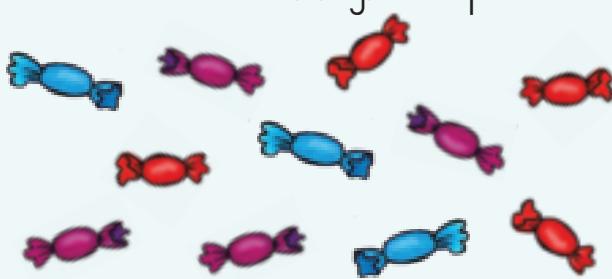
2 2



Qondanisa izithombe.

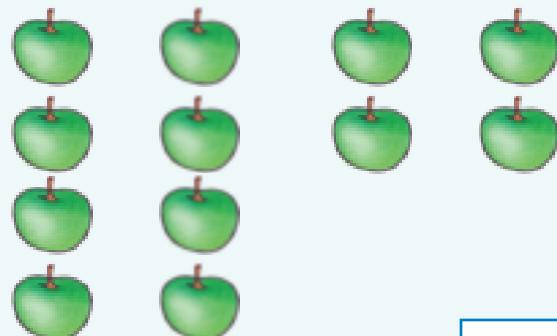


Kokelezela lezi zinto.



Mangaki amaswidi asele?

Kokelezela ama-aphula ayi-10 kuphela.



Mangaki ama-aphula asele?

2

0

|

2

3

4

5

6

7

8

9

10



Bhala phezu kwezinombolo.



ishumi nanye



Uma kuhlanganiswa
okukukholamu
ngayinye kumele
kufinyelele e-II.
Gcwalisa izinombolo
ezingekho.

3	5	4
4	5	
4		2
II	II	II



Dweba izinto eziyi-II.



Gcwalisa izinombolo ezingekho.

1

2

3

4

5



Bala lezi zinto.



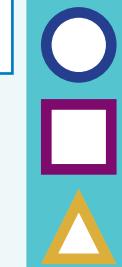
Qedela ithebhula. Umugqa ngamunye
unesithombe, inombolo kanye negama lenombolo.



 		ishumi nanye
		ishumi nanye
II	 	
	ishumi nanye	

Iyiphi inombolo encane
ngokukodwa kokuyi-II? _____

Iyiphi inombolo engaphezulu
ngokukodwa kokuyi-II? _____



66



Ithemu 3

Thola ulwazi ngale nombolo: 12

Ukubuyekeza:

Zijwayeze ukubhala izinombolo.



kuthathu

3 3

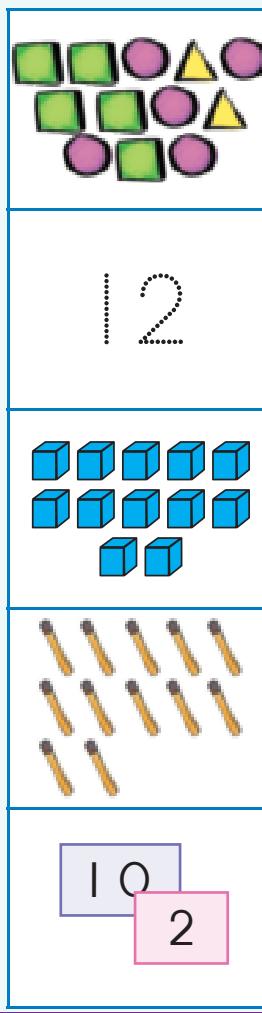
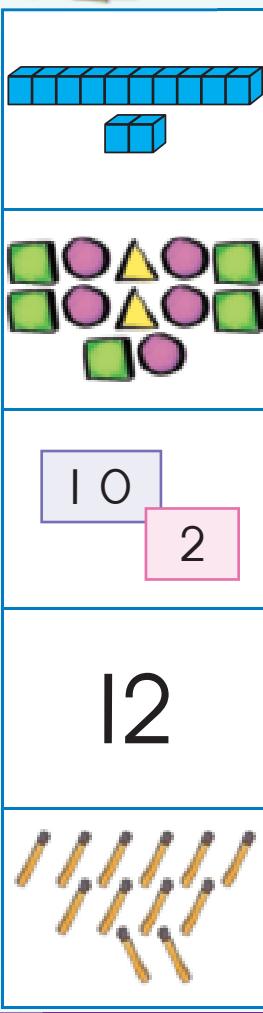


kune

4 4



Qondanisa izithombe.



Kokelezela lezi zinto.



Zingaki izicathulo ezisele?

Kokelezela amagobolondo ayi-12 kuphela.



Mangaki amagobolondo asele?



4

0

1

2

3

4

5

6

7

8

9

10



Bhala phezu kwezinombolo.

	2		2		2		2
--	---	--	---	--	---	--	---

ishumi nambili

	2		2		2		2
--	---	--	---	--	---	--	---

Uma kuhlanganiswa
okukukholamu
ngayinje kumele
kufinyelele e-12.
Gcwalisa izinombolo
ezingekho.

	7	6
4		4
3	2	
12	12	12



Dweba izinto eziyi-12.



Gcwalisa izinombolo ezingekho.

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

3			5			
8				11		



Bala lezi
zinto.







Qedela ithebhula. Umugqa
ngamunye unesithombe, inombolo
kanye negama lenombolo.

 		ishumi nambili
	12	ishumi nambili
 	12	ishumi nambili
ishumi nambili	 	ishumi nambili

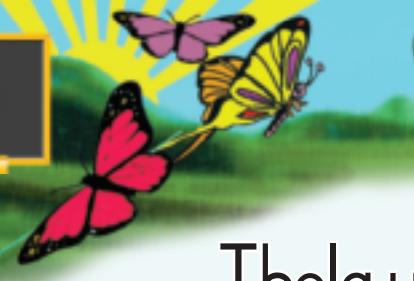


Iyiphi inombolo encane
ngokukodwa kokuyi-12? _____

Iyiphi inombolo engaphezulu
ngokukodwa kokuyi-12? _____



67



Ithemu 3

Thola ulwazi ngale nombolo: 13

Ukubuyekeza:

Zijwayeze ukubhala izinombolo.



kuhlalu

5 5

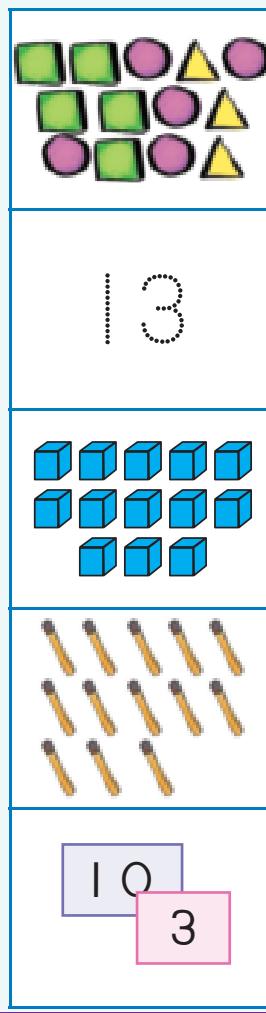
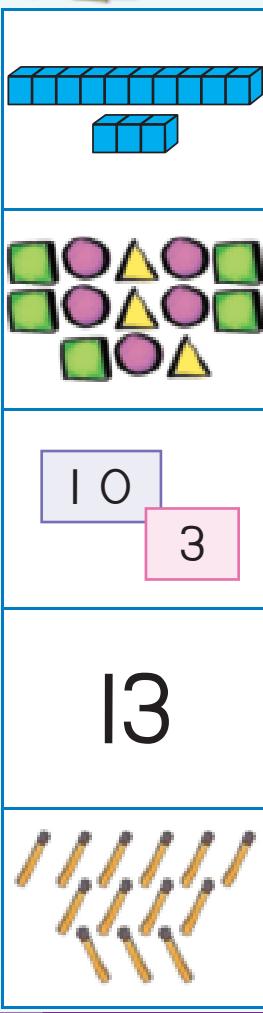


isithupha

6 6



Qondanisa izithombe.

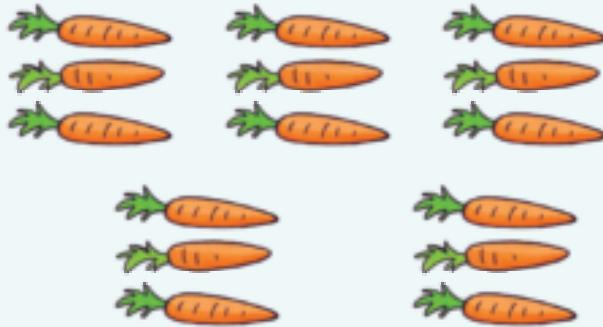


Kokelezela lezi zinto.



Mangaki amakati asele?

Kokelezela amakherothi ayi-13 kuphela.



Mangaki amakherothi asele?



0 1 2 3 4 5 6 7 8 9 10



Bhala phezu kwezinombolo.

13	13	13	13
----	----	----	----

ishumi nantathu

13	13	13	13
----	----	----	----

Uma kuhlanganiswa
okukukholamu
ngayinye kumele
kufinyelele e-13.
Gcwalisa izinombolo
ezingekho.

1	2	6
1		
	3	2
13	13	13



Dweba izinto eziyi-13.

Manje zidwebe ngendlela ehlukile.

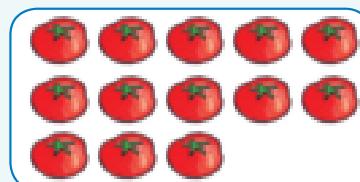


Gcwalisa izinombolo
ezingekho.

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



Bala lezi zinto.



Qedela ithebhula. Umugqa ngamunye unesithombe,
inombolo kanye negama laleyo nombolo.



		ishumi nantathu
	13	ishumi nantathu
13		
	ishumi nantathu	

Iyiphi inombolo encane
ngokukodwa kokuyi-13? _____

Iyiphi inombolo engaphezulu
ngokukodwa kokuyi-13? _____



Teacher:
Sign:

Date:



68



Thola ulwazi ngale nombolo: 14

Ukubuyekeza:

Zijwayeze ukubhala izinombolo.



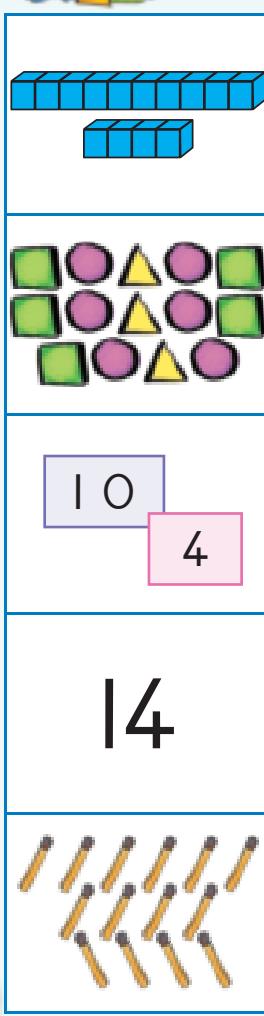
7 7



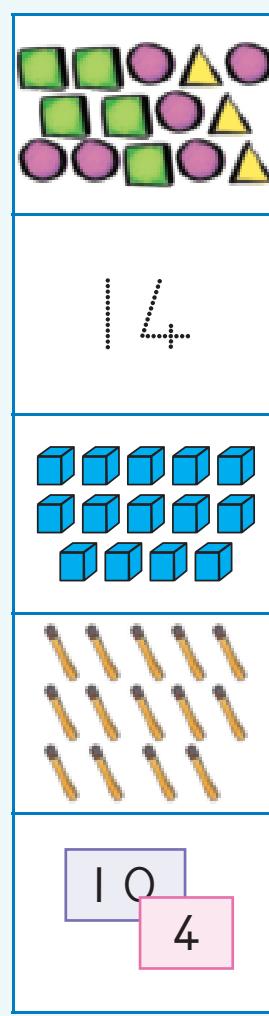
8 8



Qondanisa izithombe.



14



14



Kokelezela lezi zinto.



Zingaki izimvemvane ezisele?

Kokelezela izingubo eziyi-14 kuphela.



Zingaki izingubo ezisele?



Bhala phezu kwezinombolo.

| 4 | 4 | 4 | 4 |

ishumi nane

| 4 | 4 | 4 | 4 |

Uma kuhlanganiswa
okukukholamu
ngayinje kumele
kufinyelele e -14.
Gcwalisa izinombolo
ezingekho.

1		2
	5	1
3	2	
14	14	14



Dweba izinto eziyi-14.

Manje zidwebe ngendlela ehlukile.



Bala lezi zinto.



Qedela ithebhula. Umugqa ngamunye unesithombe,
inombolo kanye negama laleyo nombolo.

 	4	ishumi nane
14		
	ishumi nane	



Iyiphi inombolo encane
ngokukodwa kokuyi-14? _____

Iyiphi inombolo engaphezulu
ngokukodwa kokuyi-14? _____

Teacher:
Sign:
Date:



69



Ithemu 3

Thola ulwazi ngale nombolo: 15

Ukubuyekeza:

Zijwayeze ukubhala izinombolo.



q q



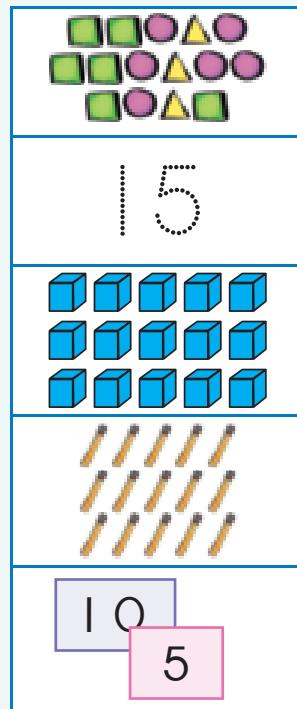
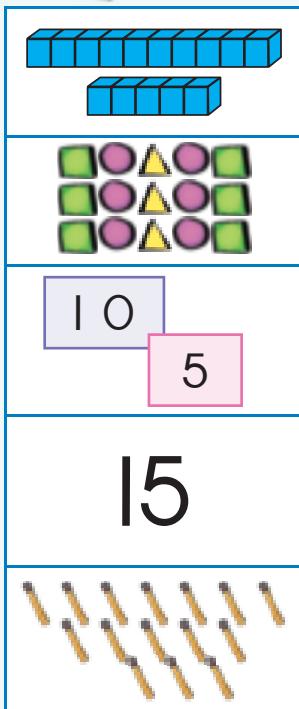
10 10



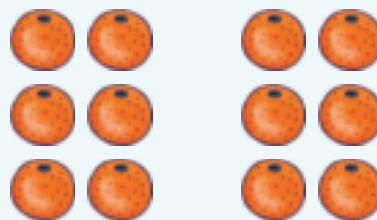
Qondanisa izithombe.



Kokelezela lezi zinto.



Kokelezela amawolintshi ayi-10 kuphela.



Mangaki amawolintshi asele?

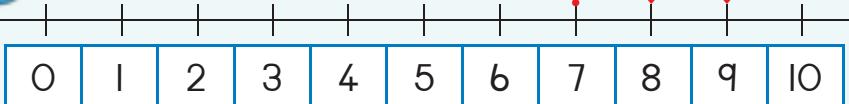
Kokelezela izinkanyezi eziyi-15 kuphela.



Zingaki izinkanyezi ezisele?



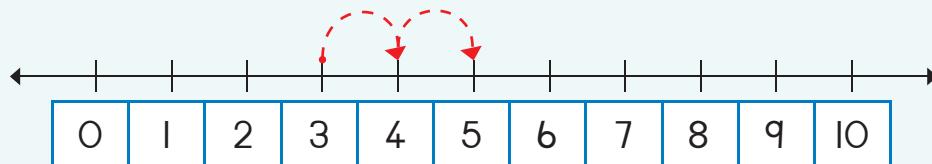
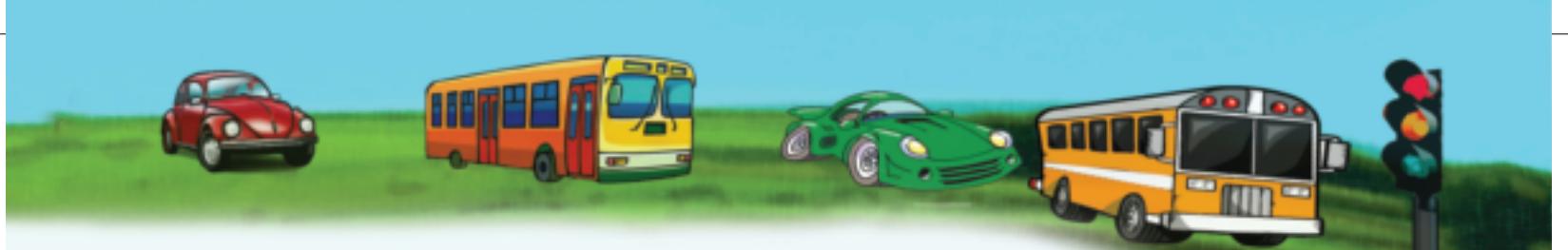
Gcwalisa izimpendulo.



$7 + 2 =$



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



$$4 + 2 =$$



Bhala phezu kwezinombolo.

15 15 15 15

ishumi nanhlanu

15 15 15 15



Dweba izinto eziyi-15.

Manje zidwebe ngendlela ehlukile.



Gewalisa izinombolo ezingekho.

7

11 12 13 15

15 13 12



Bala lezi zinto.







Qedela ithebhula. Umugqa ngamunye unesithombe, inombolo kanye negama laleyo nombolo.



Iyiphi inombolo encane ngokukodwa kokuyi-15? _____

	15	ishumi nanhlanu
		ishumi nanhlanu
15		

Iyiphi inombolo engaphezulu ngokukodwa kokuyi-15? _____

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20

70



Ithemu 3

Ukuhlanganisa okufinyelela ema-20 – Ukubala siqhubeke

Ukubuyekeza:

Zijwayeze ukubhala igama lenombolo.

6

isithupha



Buka isithombe bese ubhala umusho wezinombolo walokhu ngakunye.

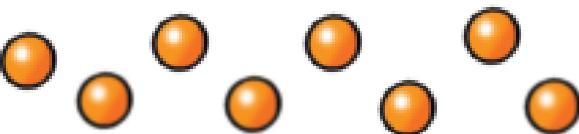
ULisa unamaswidi ama-3. UManbla unamaswidi ama-5. Mangaki amaswidi abanawo esewonke?



Masibale:

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

Benginezimabule eziyi-8 ngalahlekelwa ngezi-4. Zingaki izimabule ezisele?

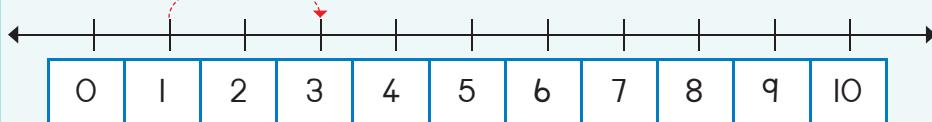


Masibale sihlelle:

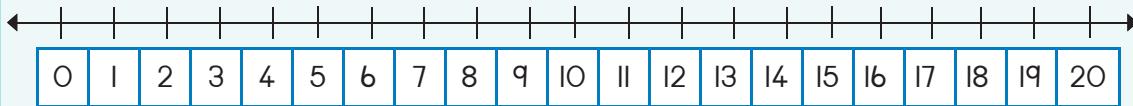
8	7	6	5	4
...				
- <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



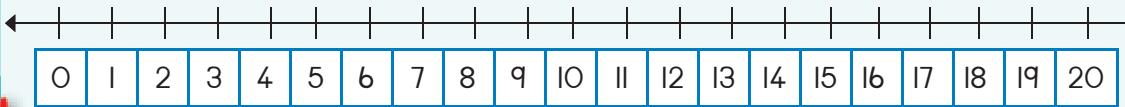
Gcwalisa izimpendulo.



$1 + 2 = \boxed{}$



$13 + 2 = \boxed{}$



$15 + 2 = \boxed{}$



12

0

1

2

3

4

5

6

7

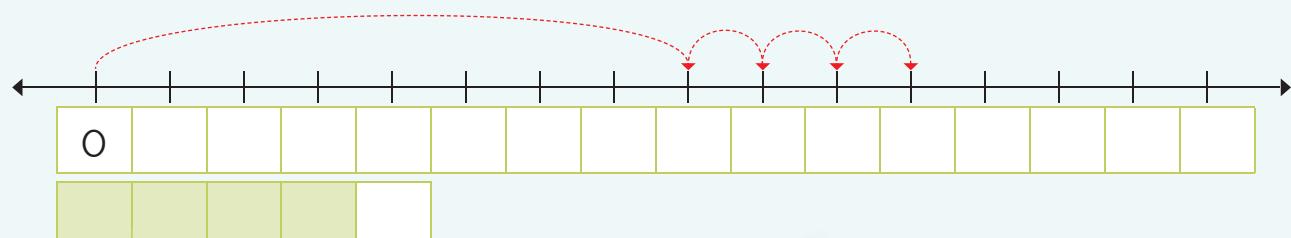
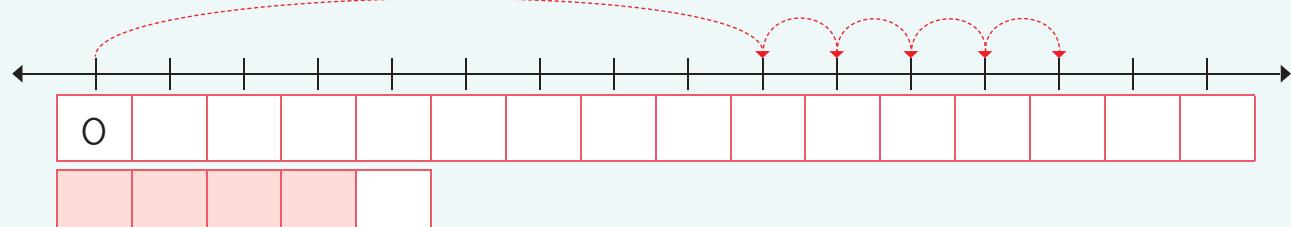
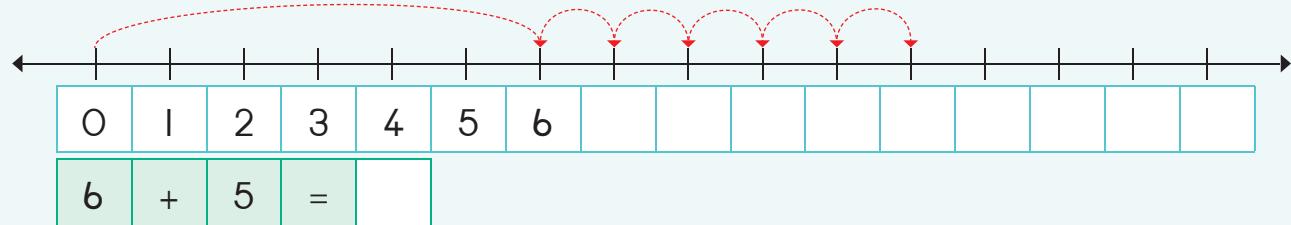
8

9

10



Gcwalisa izinombolo emqgeni wezinombolo bese ubhala
umusho wezinombolo walokhu ngakunye.



Bala ngaku-2.

3	5
4	
2	



7	
8	
6	



Gcwalisa izinombolo.

Ngineminyaka eyi - 7 ubudala.
Ngizobe nginemingaki eminyakeni emi - 5
ezayo?

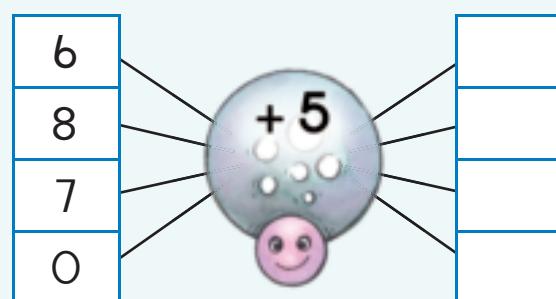
7

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Ngizobe ngineminyaka e - _____ ubudala.



Siza isicabucabu siqedele
isibalo saso.



7I



Ukuhlanganisa – ukwakha nokubhidliza izinombolo ezifinyelela e - 10

Ukubuyekeza:

Zijwayeze ukubhala igama lenombolo.

7

isikhombisa



Gcwalisa impendulo.



Faka umbala ukukhombisa lokhu okulandelayo.

$3 + 3 = \square$



$0 + 5 = \square$



$3 + 2 + 1 = \square$



$3 + 9$



$4 + 8$



$5 + 7$



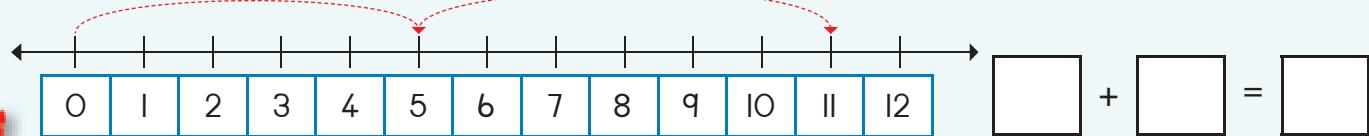
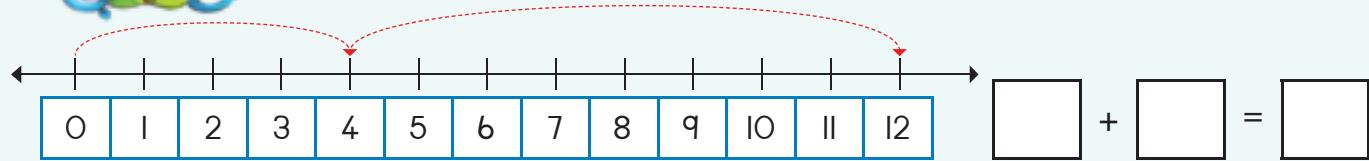
$6 + 6$



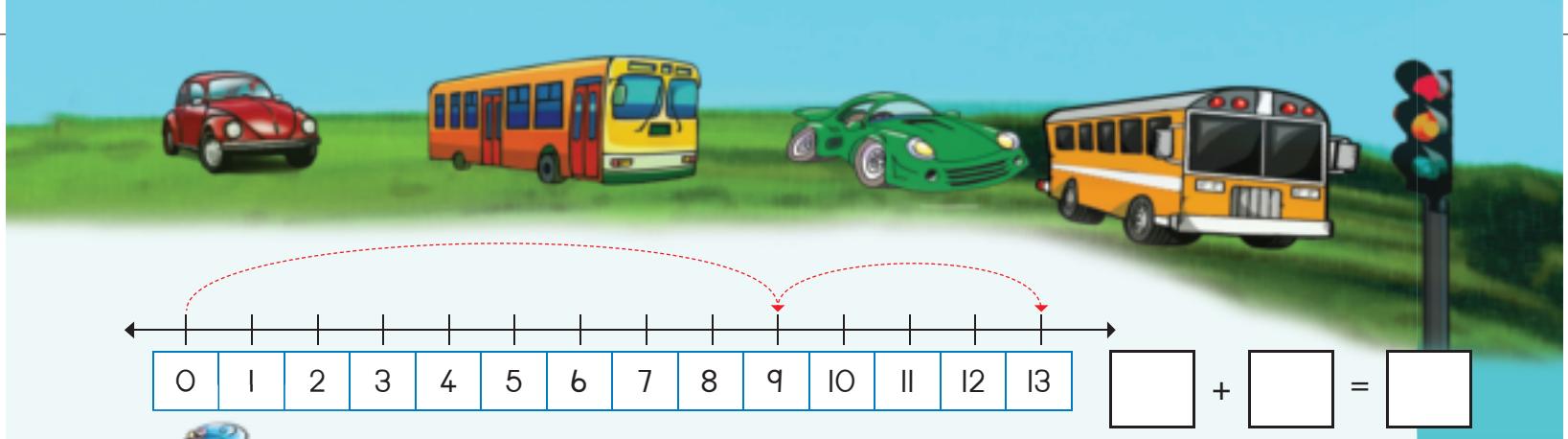
$7 + 5$



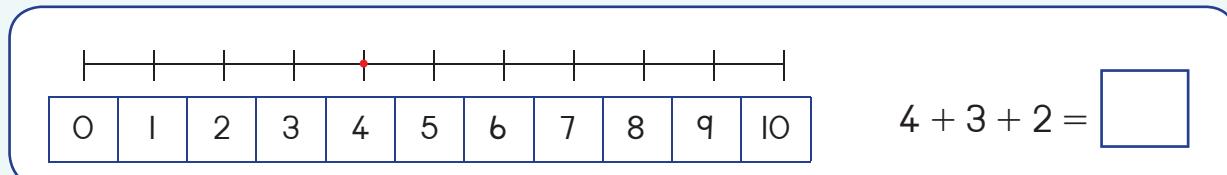
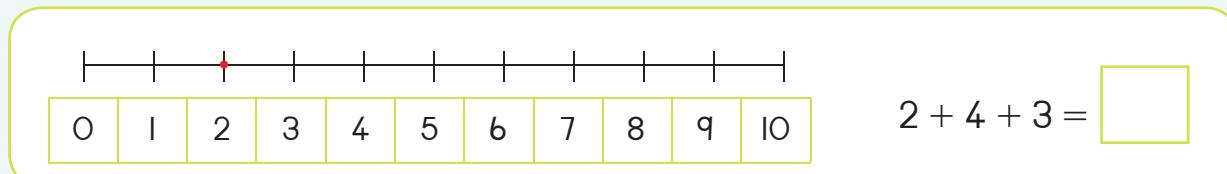
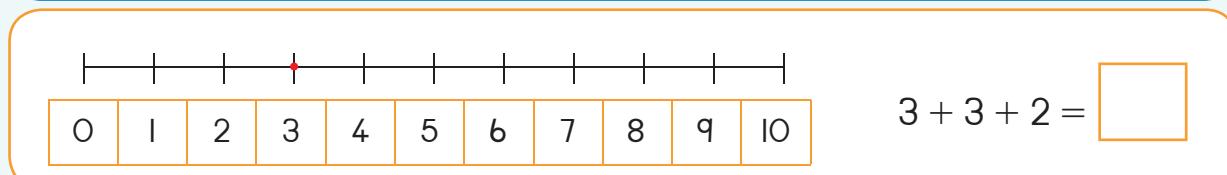
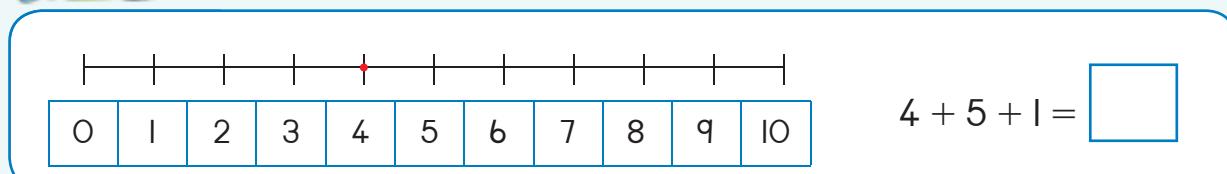
Bhala isibalo salokhu:



0 | 2 3 4 5 6 7 8 9 10



Qedela umugqa wezinombolo bese ugcwalisa impendulo.



Xazulula lokhu okulandelayo ngokudweba izithombe.

Nginezimabule ezi-5 kanti umngani wami uneziyi-8. Zingaki izimabule esinazo sezizonke?

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

Nginezimbali eziyi-9 engizozinika uthisha kanti umngani wami uneziyi-6. Zingaki izimbali esinazo sezizonke?

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



72



Ithemu 3

Ukuhlanganisa – ukwakha nokubhidliza izinombolo ezifinyelela ema -20

Ukubuyekeza:

Zijwayeze ukubhala igama lenombolo.

8

isishiyaggalombili

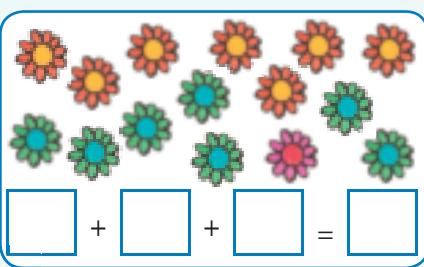
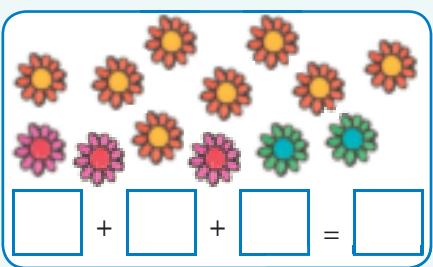
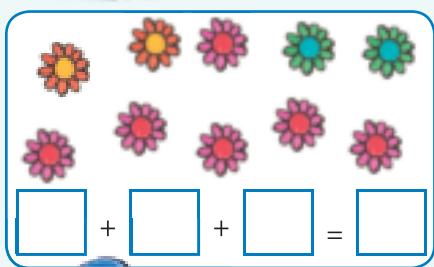


Gcwalisa impendulo.

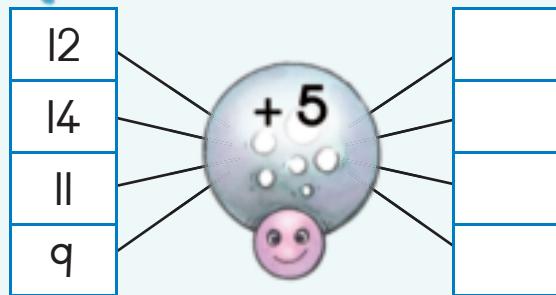
$0 + 2 =$		$2 + 2 =$		$4 + 2 =$		$6 + 2 =$		$8 + 2 =$	
$10 + 2 =$		$12 + 2 =$		$14 + 2 =$		$16 + 2 =$		$18 + 2 =$	



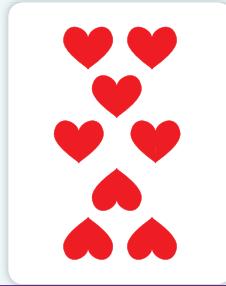
Sebenzisa izimbali ezinemibala engafani wakhe imisho yakho yezinombolo.



Siza isicabucabu siqedele isibalo saso.



Zingaki izinhliziyo?



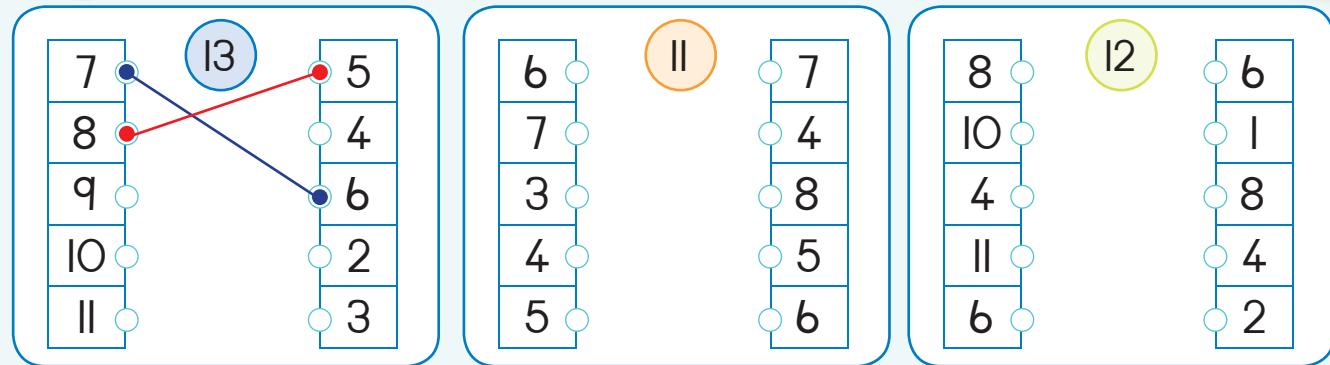
Yenza esakho isibalo.

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

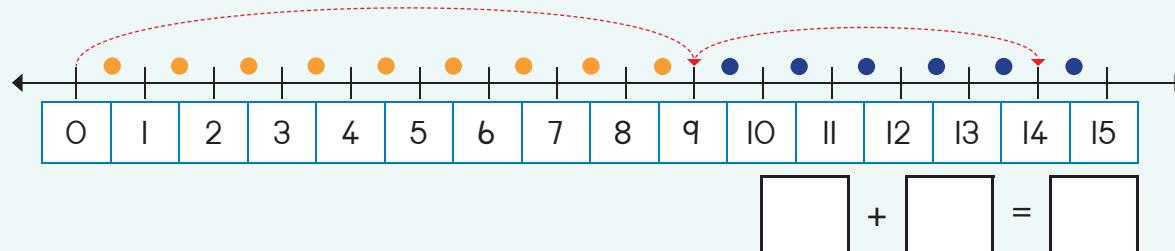
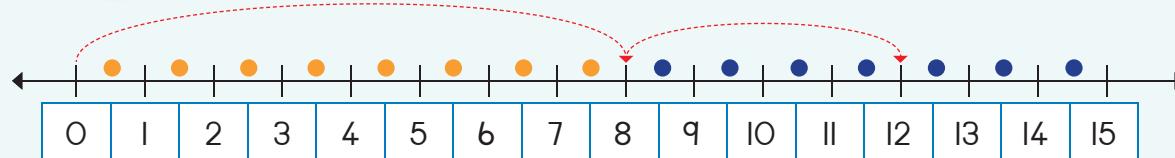




Qondanisa amapheya ezinombolo wakhe lezi zinombolo ezilandelayo.



Bhala umusho wezinombolo zalokhu:



Ukubuyekeza:

Ukubuyekeza: Faka umbala empendulweni efanele.



ukuyivelela ngaphambili

ukuyivelela ngemuva

ukuyivelela
ngasohlangothini



ukuyivelela ngaphambili

ukuyivelela ngemuva

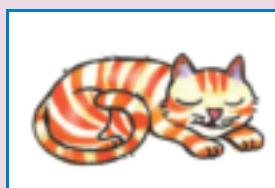
ukuyivelela
ngasohlangothini



ukuyivelela ngaphambili

ukuyivelela ngemuva

ukuyivelela
ngasohlangothini



ukuyivelela ngaphambili

ukuyivelela ngemuva

ukuyivelela
ngasohlangothini



Teacher:
Sign:
Date:



II 12 13 14 15 16 17 18 19 20

73



Ithemu 3

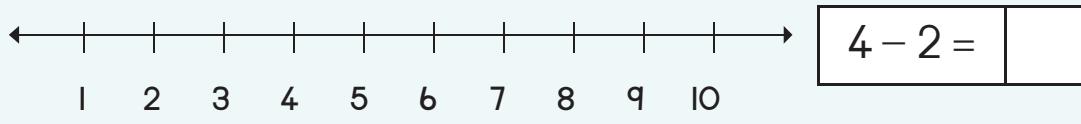
Ukuhlanganisa nokususa – ukwakha nokubhidliza izinombolo

Ukubuyekeza:

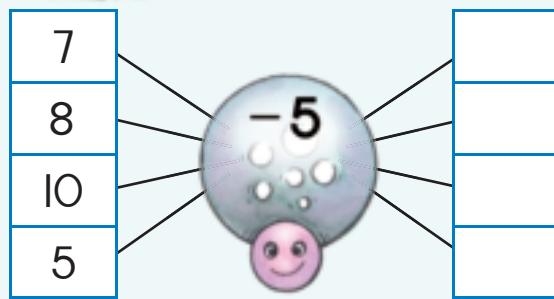
Zijwayeze ukubhala igama lenombolo.



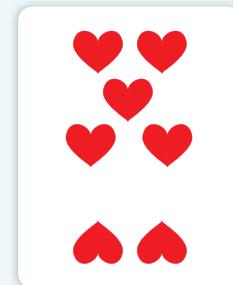
Gcwalisa impendulo.



Siza isicabucabu siqedele
isibalo saso.



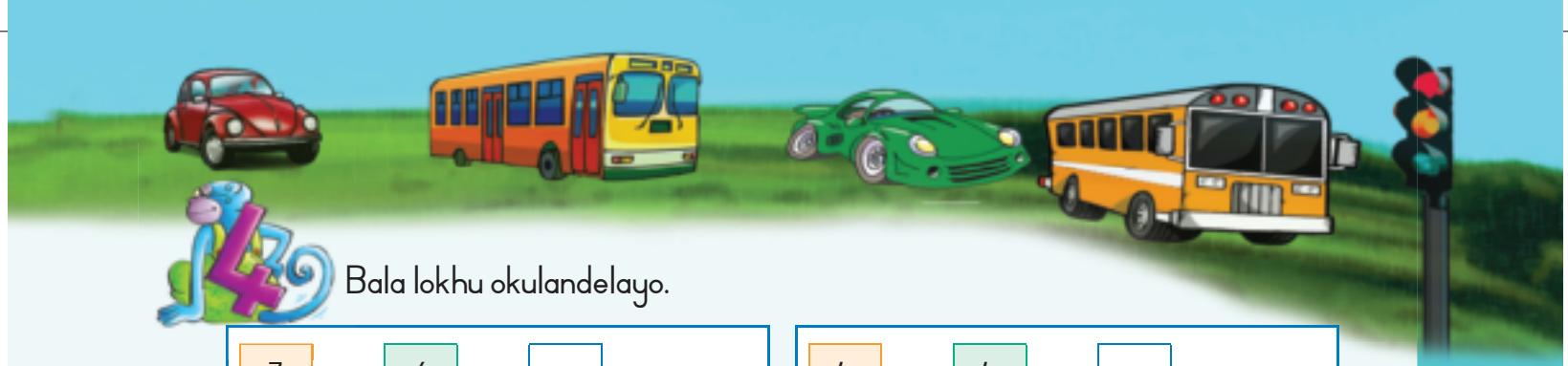
Zingaki izinhliziyo?



Zingaki izinhliziyo?

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





Bala lokhu okulandelayo.

$$\begin{array}{r} 7 \\ + \end{array} \begin{array}{r} 4 \\ + \end{array} = \boxed{}$$

$$\begin{array}{r} 7 \\ + \end{array} \begin{array}{r} 4 \\ + \end{array} \begin{array}{r} 1 \\ + \end{array} = \boxed{}$$

$$\begin{array}{r} 10 \\ + \end{array} \begin{array}{r} 1 \\ + \end{array} = \boxed{}$$

$$\begin{array}{r} 6 \\ + \end{array} \begin{array}{r} 6 \\ + \end{array} = \boxed{}$$

$$\begin{array}{r} 6 \\ + \end{array} \begin{array}{r} \boxed{} \\ + \end{array} \begin{array}{r} \boxed{} \\ + \end{array} = \boxed{}$$

$$\begin{array}{r} 10 \\ + \end{array} \begin{array}{r} \boxed{} \\ + \end{array} = \boxed{}$$

$$\begin{array}{r} 13 \\ - \end{array} \begin{array}{r} 6 \\ - \end{array} = \boxed{}$$

$$\begin{array}{r} 13 \\ - \end{array} \begin{array}{r} 3 \\ - \end{array} \begin{array}{r} 3 \\ + \end{array} = \boxed{}$$

$$\begin{array}{r} 10 \\ - \end{array} \begin{array}{r} 3 \\ - \end{array} = \boxed{}$$

$$\begin{array}{r} 12 \\ - \end{array} \begin{array}{r} 8 \\ - \end{array} = \boxed{}$$

$$\begin{array}{r} \boxed{} \\ - \end{array} \begin{array}{r} \boxed{} \\ + \end{array} \begin{array}{r} \boxed{} \\ + \end{array} = \boxed{}$$

$$\begin{array}{r} 10 \\ - \end{array} \begin{array}{r} 3 \\ - \end{array} = \boxed{}$$



Bhala izimpendulo uzifake umbala bese uyadweba.

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

Singabuye sikukhombise kanje:

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

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

Singabuye sikukhombise kanje:

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

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

Singabuye sikukhombise kanje:

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

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

Singabuye sikukhombise kanje:

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

Ukubuyekeza:

Zijwayeze ukubhala igama lenombolo.

10

ishumi



Teacher:
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Date:



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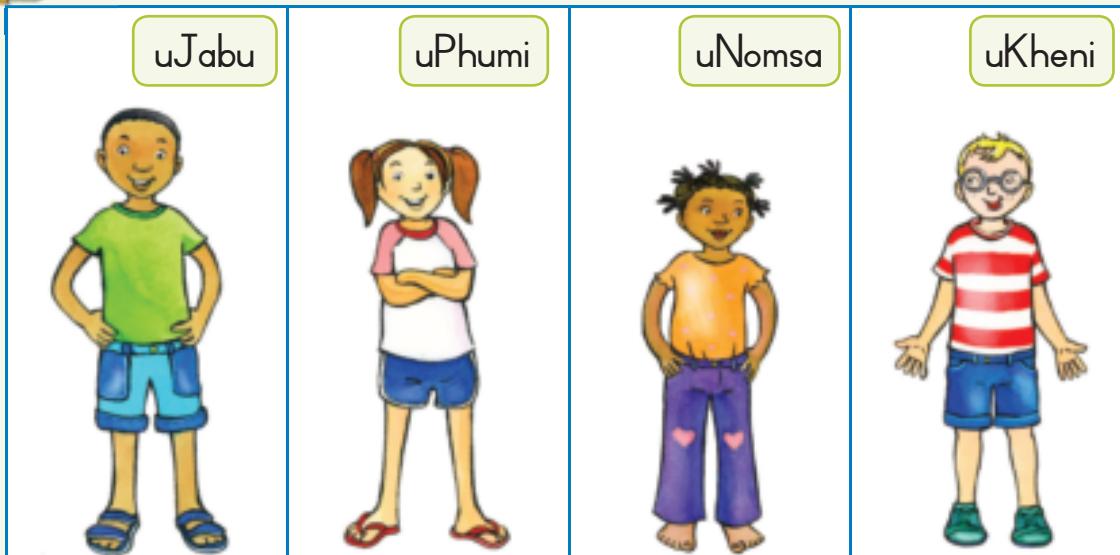


Ithemu 3



Ubude

Buka isithombe bese uphendula imibuzo.



Ngubani omude kunabo bonke?

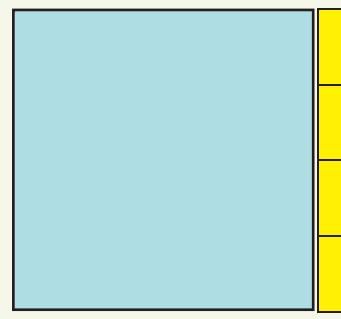
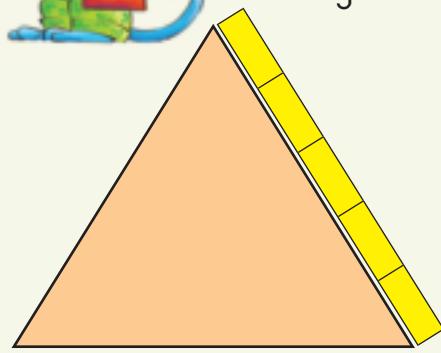
Ngubani umfana omfushane kunabo bonke?

Ngubani omfushane kunabo bonke?

Ngubani oyintombazana ende kunabo bonke?



Izinhlangothi zalezi zimo zingamabhulokhi amangaki ubude?





Buyini ubude kanye nobubanzi betafula uma silikala
ngamabhulokhi nangamapensela?



Libanzi ngamabhulokhi a- ____.

Lide ngamabhulokhi a- ____.



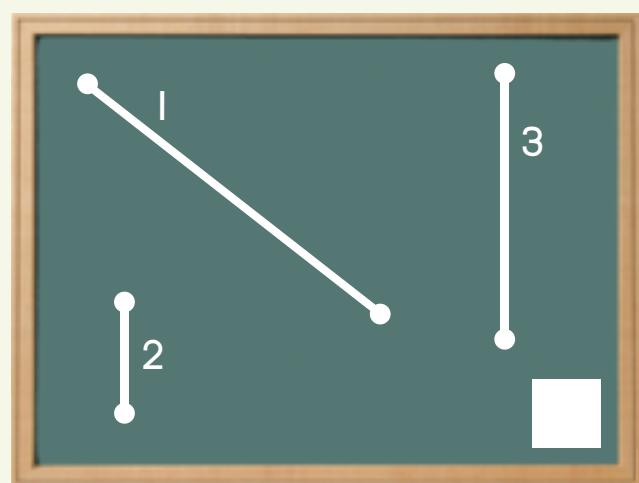
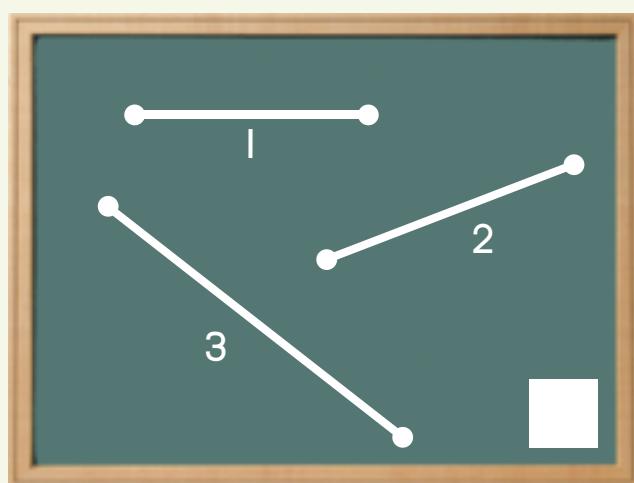
Libanzi ngamapensele a- ____.

Lide ngamapensele a- ____.



Yimuphi umugqa omfushane
kunayo yonke?
Umugqa woku-1, wesi-2
noma wesi-3?

Yimuphi umugqa omude kunayo yonke?
Umugqa woku-1, wesi-2 noma wesi-3?



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Date:



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Ithemu 3

Imali noshintshi

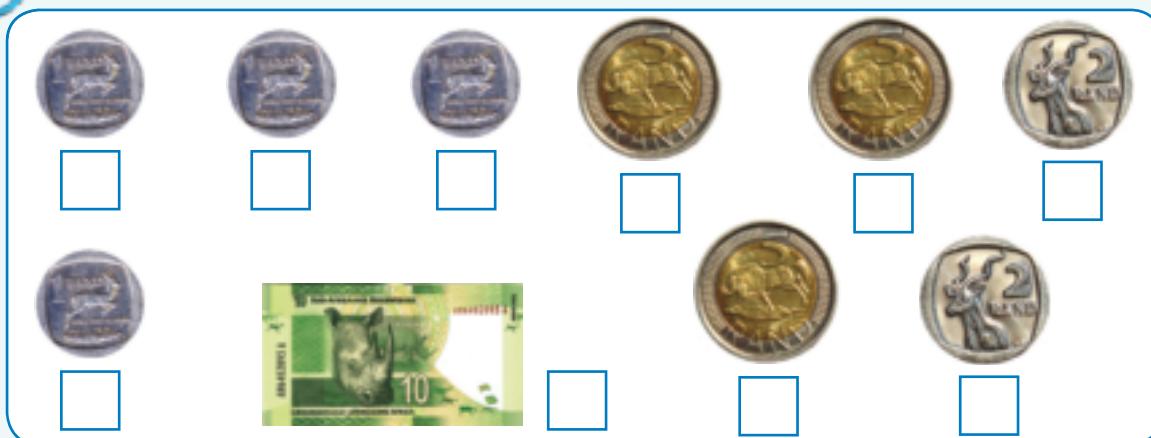
Beka uphawu lokuthikhha enanini eliphakeme kunawo wonke emgqeni.



Beka uphawu lokuthikhha ezinhlamvini zemali ezakha ama-RIO.



Beka uphawu lokuthikhha ezinhlamvini zemali ezakha ama-R20.



22

0

1

2

3

4

5

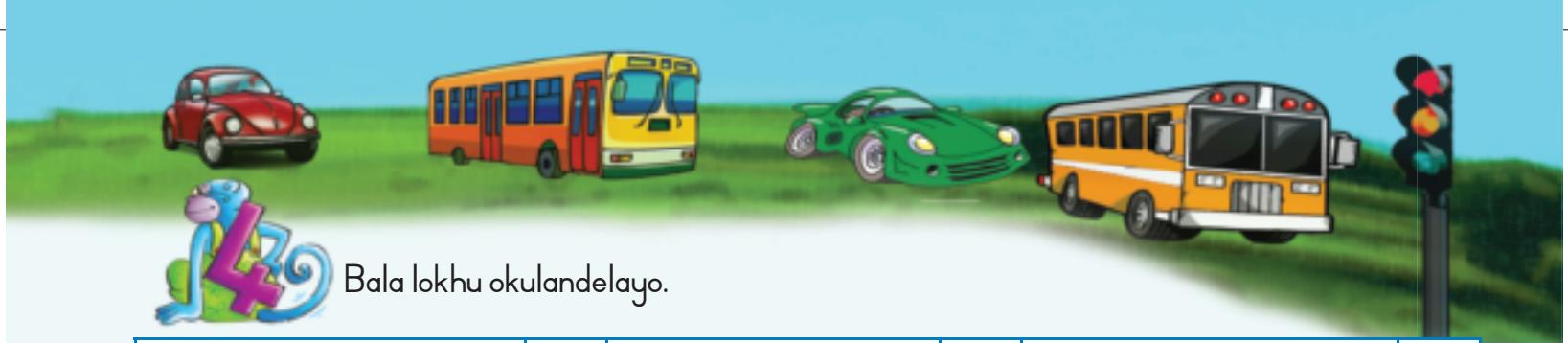
6

7

8

9

10



Bala lokhu okulandelayo.

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



Xazulula lokhu okulandelayo:

Nginohlamvu Iwama-R2 kanye
nolwama-R5. Umngani wami unezinhlamvu
zama-R2 ezintathu. Ngubani onemali eningi
kunomunye?

Nginohlamvu Iwama-R5 kanye
nolwe-RI. Umngani wami unezinhlamvu
zama-R5 ezintathu. Ngubani onemali
eningi kunomunye?



Nginama-RI5:

Ngikhokha

Ushintshi

R4 + R 7 = RII	R4
R6 + R 9 =	
R8 + R3 =	
R2 + RII =	
R3 + R8 =	
R6 + R8 =	
RO + R2 =	
R2 + R2 =	
R4 + R2 =	
R6 + R2 =	



Bala lokhu okulandelayo:

Nginama-RI5. Ngithenga iphakethe lamashipsi
ngama-R6. Ngisele namalini?



Yinciphise ngama-R2.

RII		R4	
RI2		R6	
RIO		R8	



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Ithemu 3

Imali noshintshi

Dweba izinhlamvu zemali ezifinyelela:

RI1	
RI2	
RI3	
RI4	



Beka uphawu
lokuthikha
bese ugcwalisa
impendulo
efanele.

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



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



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



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



Bala lokhu okulandelayo:

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

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

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

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

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

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



0

1

2

3

4

5

6

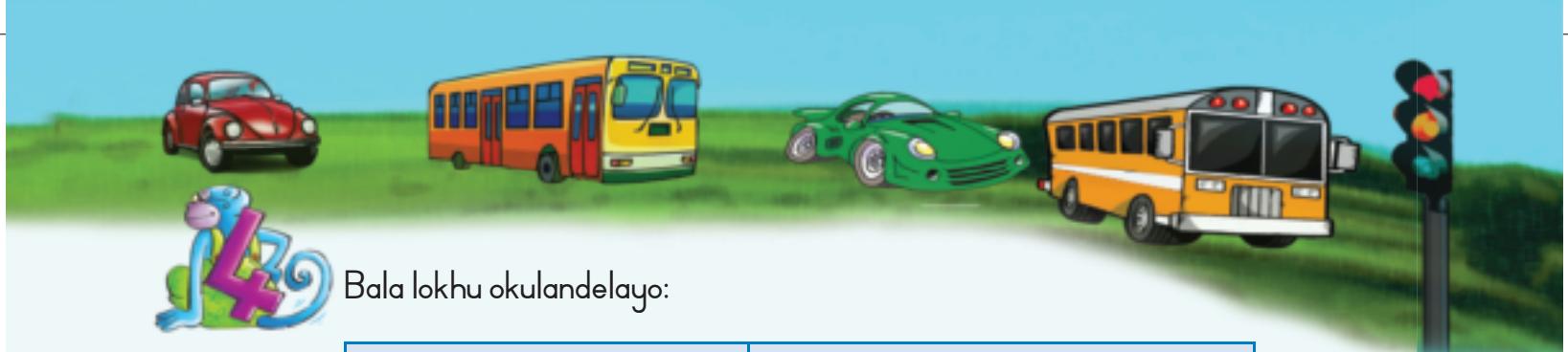
7

8

9

10

Usuku:



Bala lokhu okulandelayo:

Nginama -RI5. Ngithenga ngama -:	Ngisele namalini?
R2 kanye R4 =	R9
R8 kanye R4 =	
RI2 kanye R2 =	
R5 kanye R5 =	
R8 kanye R7 =	
RIO kanye R2 =	
R8 kanye R2 =	
R6 kanye R2 =	
R4 kanye R2 =	
R2 kanye R2 =	
R9 kanye R6 =	
RIO kanye R2 =	



Nginama -RI5. Ngithenge iphakethe lamaswidi ngama -RII.
Yenza umdwebo ukhombise ukuthi malini engisele nayo.









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Ithemu 3



Imali: Ukuhlanganisa nokususa



Bala lokhu okulandelayo:

$RIO + R2 =$	<input type="text"/>
$RIO + R4 =$	<input type="text"/>
$R9 + R5 =$	<input type="text"/>
$RI2 + R5 =$	<input type="text"/>

$RIO + R5 =$	<input type="text"/>
$RIO + R7 =$	<input type="text"/>
$R8 + R4 =$	<input type="text"/>
$RI4 + R2 =$	<input type="text"/>

$RIO + RI =$	<input type="text"/>
$RIO + R6 =$	<input type="text"/>
$R7 + R6 =$	<input type="text"/>
$RII + R6 =$	<input type="text"/>



Bala lokhu okulandelayo:

$RIO - R7 =$	<input type="text"/>
$RI5 - RI =$	<input type="text"/>
$RI2 - R2 =$	<input type="text"/>
$RI5 - R6 =$	<input type="text"/>

$RIO - R2 =$	<input type="text"/>
$RI5 - RI5 =$	<input type="text"/>
$RI4 - R7 =$	<input type="text"/>
$RI2 - R9 =$	<input type="text"/>

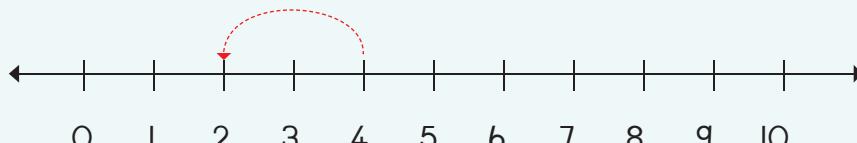
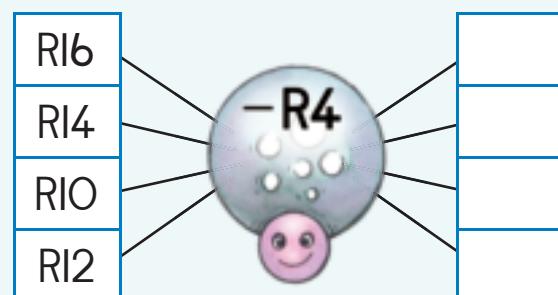
$RIO - R5 =$	<input type="text"/>
$RI5 - R2 =$	<input type="text"/>
$RI6 - R6 =$	<input type="text"/>
$RI4 - R4 =$	<input type="text"/>



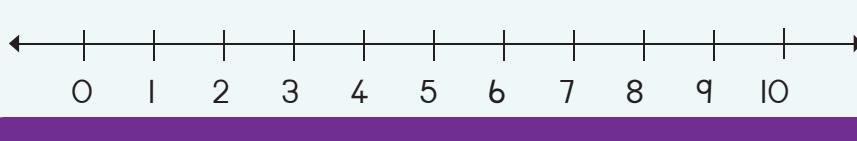
Siza isicabucabu
siqedele zonke
izibalo.



Nciphisa ngama-R2.



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



$R7 - R2 =$	<input type="text"/>
-------------	----------------------



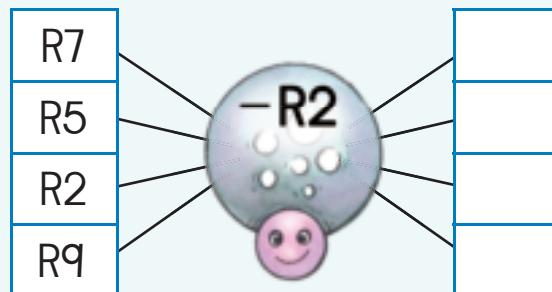
26

0 1 2 3 4 5 6 7 8 9 10



5

Siza isicabucabu senze izibalo zokususa.



Xazulula lokhu okulandelayo.

Bewunama-R12. Umama wakho wakupha
ama-R5. Unamalini manje?

Unama-R19. Uthenga uswidi ngama-R8.
Usele namalini?



Ingakanani imali
engiyongile?



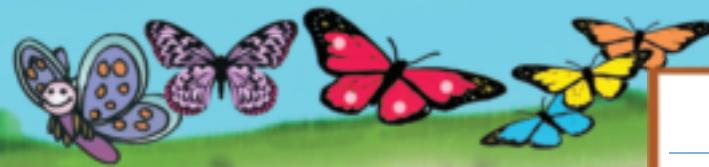
Khombisa isibalo ngomugqa wezinombolo bese uthola impendulo.



Teacher:
Sign:
Date:



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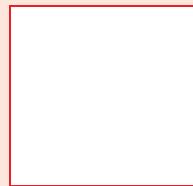
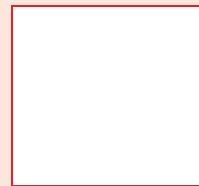
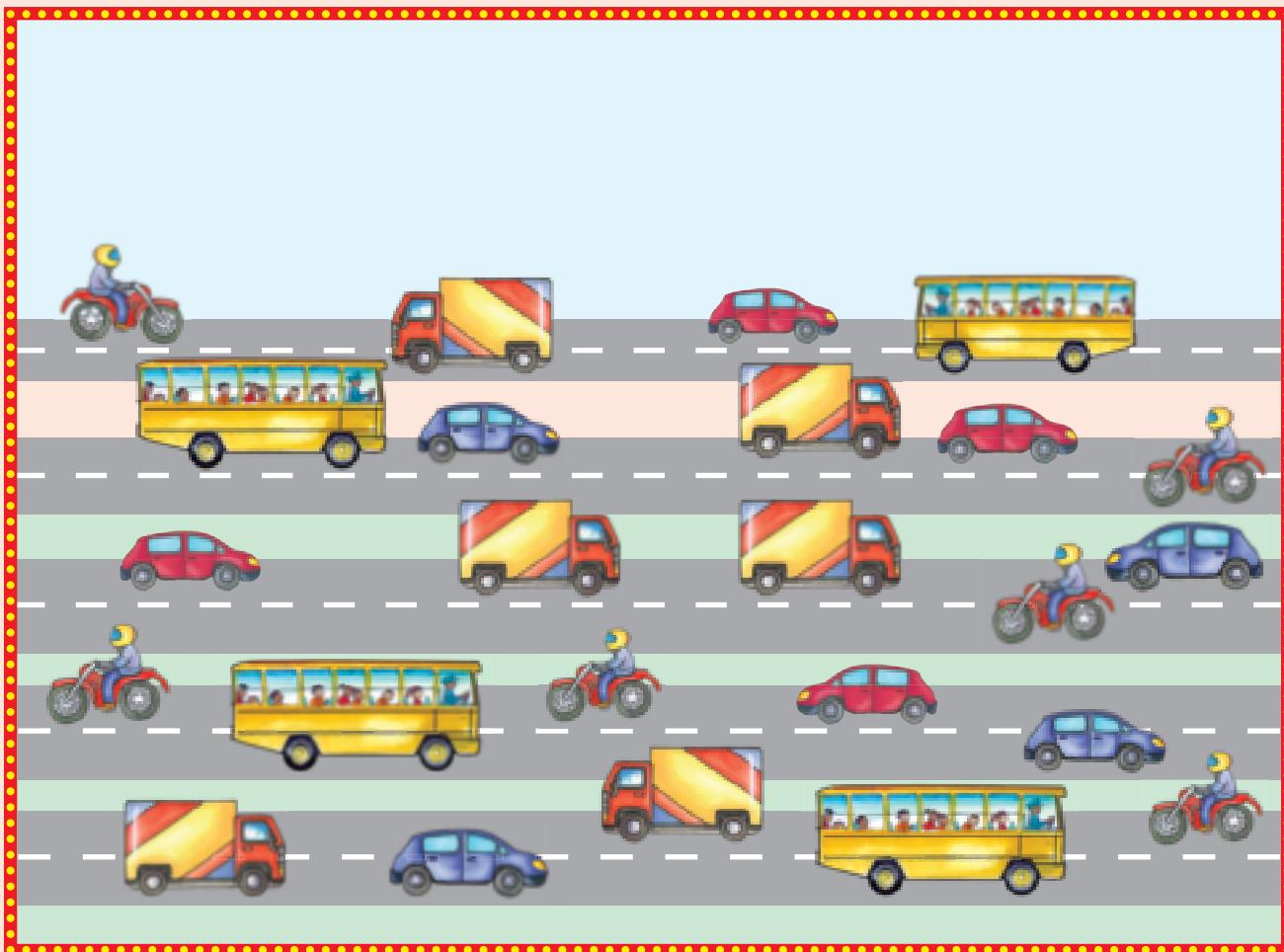


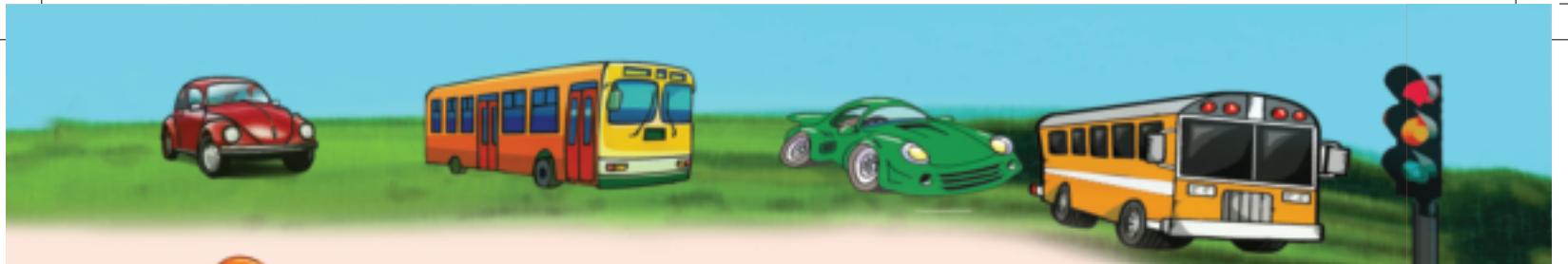
Usuku:

Ithemu 3

Imininingwane

Bala uthole inani lohlobo oluthile lwezimoto ozibonayo.





Bala izimo bese ufaka umbala eshadini elingeza nsi ukukhombisa ukuthi zingaki izimoto zohlobo ngalunye.
Manje phendula imibuzo.



5						
4						
3						
2						
1						
	▲	●	■	◆	★	○

_____ yizo eziningi kunazo zonke.
_____ zimbalwa kunazo zonke.



Teacher:
Sign:
Date:



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Ithemu 3

Imininingwane nesikhathi

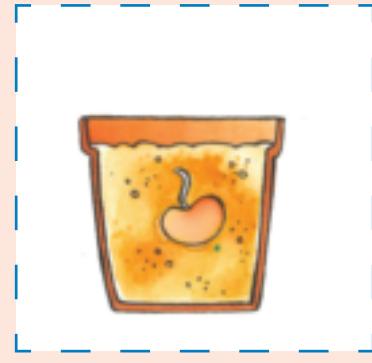
Khuluma ngalezi zithombe bese uzibeka ngokulandelana kokwenzekayo.



1



2



3



4

30

0

1

2

3

4

5

6

7

8

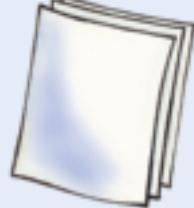
9

10

Usuku:



Sebenzisa amakhadi ukuhlela Okusikwayo koku - I uqedele
ngakho igrafu yezithombe.



--	--	--	--



Teacher:
Sign:
Date:



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Usuku:

Ithemu 3

Amaqoqo okungakuhlanu kufinyelele e -15

Ukubuyekeza:

Zijwayeze ukubhala igama lenombolo.

5

isihlanu



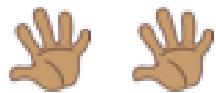
Buka isithombe bese uphendula umbuzo.

Buka isithombe.
Kopisha lapha.Mangaki amaqoqo okungaku-5 okwazi
ukuwenza?

Kopisha lapha.

Iqoqo eli-1 loku-5
ngoku-5

Bala iminwe bese ugcwaliswa impendulo.



$5 + 5 =$



$5 + 5 + 5 =$



$5 + 5 + 5 + 5 =$

Amaqoqo ama-2
okuhlanu yi-10

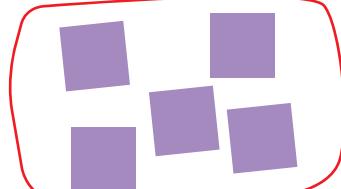


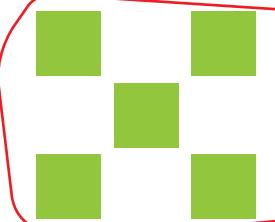
Dweba iziyingi uzungeze
lokhu okulandelayo:



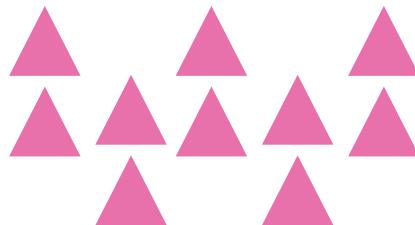
Bhala imisho yezinombolo
yalokhu okulandelayo.

Iqoqo eli - I loku - 5



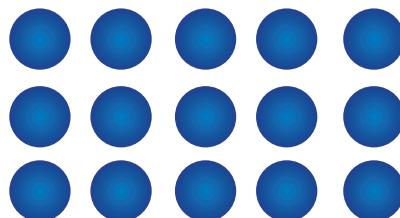


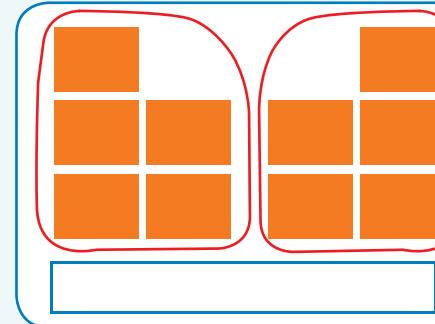
2 amaqoqo oku - 5





3 amaqoqo oku - 5







Mangaki amaqoqo okuhlanu ongawenza ngalokhu?

10	noku-	0		amaqoqo
8	noku-	2		amaqoqo
6	noku-	4		amaqoqo
4	noku-	1		amaqoqo
2	noku-	3		amaqoqo



Teacher:

Sign:

Date:

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Ithemu 3

Okuhlanu: ukuhlanganisa okuphindekayo okufinyelela e-15

Ukubuyekeza:

Ukubuyekeza: Gcwalisa izinombolo ezingekho.



Zingaki izinzwane noma iminwe?
Bhala umusho wezinombolo walokhu.



Dweba:



Iqoqo likabhanana omhlanu.

Amaqoqo amabili anezimbali
ezinhlanu ngalinye.

Dweba izimo zalokhu okulandelayo.

$$5 + 5 = 10$$



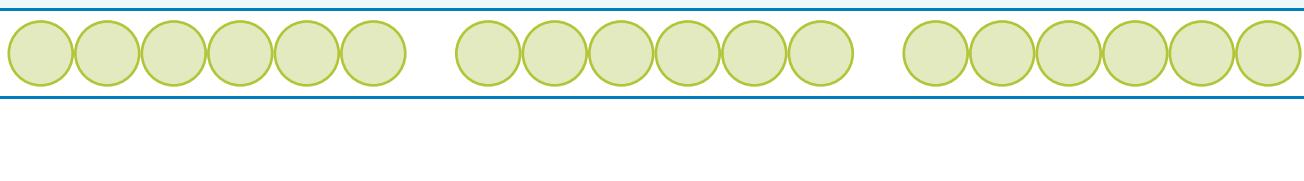
$$5 + 5 + 5 = \square$$



Kokelezela bese ubala ukuthi mangaki amaqoqo anokuhlanu ongawenza ngekhadi ngalinye.



Bhala umusho wezinombolo ngalokhu:



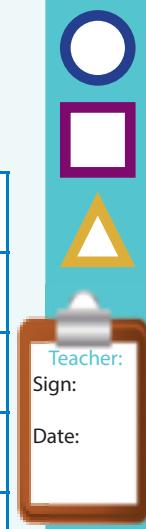
Sebenzisa imibala ehlukene ukukhombisa izinombolo ozokwenza amaqoqo anokungakuhlanu ngazo.

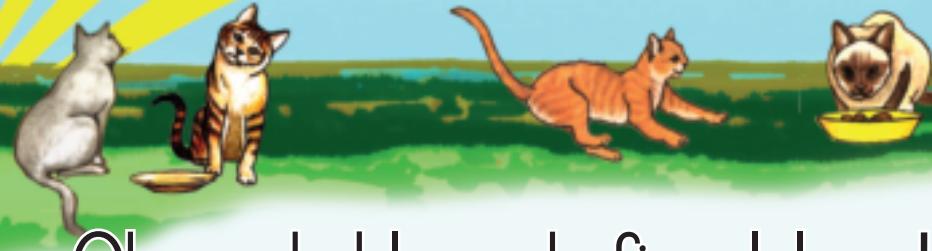
I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5					



Mangaki amaqoqo anokungakuhlanu ongawenza?

I	noku-	I4	kwenza		amaqoqo
I3	noku-	2	kwenza		amaqoqo
8	noku-	2	kwenza		amaqoqo
7	noku-	8	kwenza		amaqoqo
9	noku-	2	kwenza		amaqoqo





Gcwalisa izinombolo ezingekho.

I		3		5		7	8	9	
II	I2								



Yenza amaqoqo okungakuhlanu. Ibungezi ngalinye kumele libe namaqoqo anokungakuhlanu kwamachashazi amnyama ephikweni ngalinye. Dweba amachashazi angekho.



36

0

1

2

3

4

5

6

7

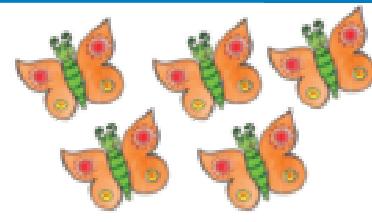
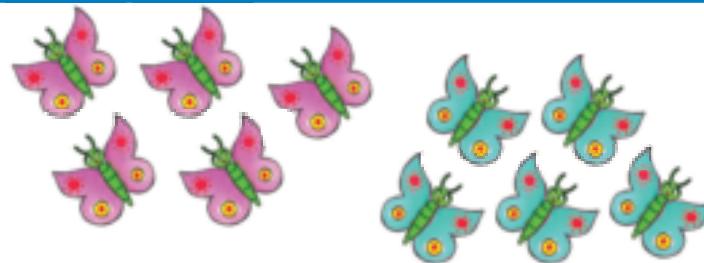
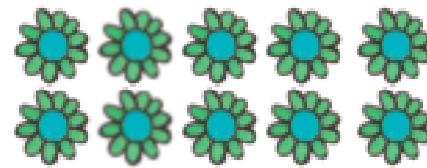
8

9

10



Bhala umusho wezinombolo walokhu ngakunye.



Bala lokhu okulandelayo:

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

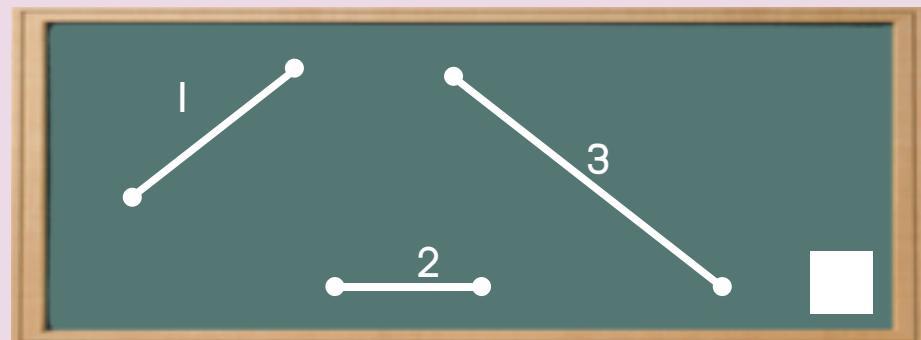
$$\boxed{5} + \boxed{5} + \boxed{5} = \boxed{\quad}$$

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

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

Ukubuyekeza:

Ukubuyekeza: Yimuphi umugqa omude kunayo yonke?



Teacher:
Sign:
Date:



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Ithemu 3

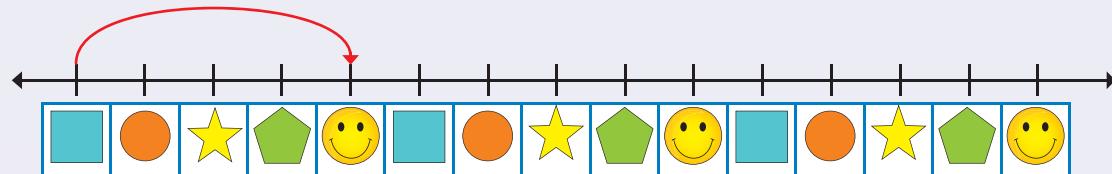


Qedela iphethini lokungakuhlanu ngokufaka imibala ezinombolweni.

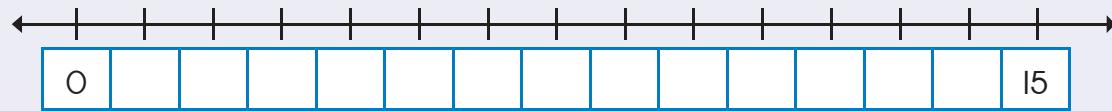
1	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	20
2I	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50



Dweba amahuphu ukukhombisa amaqoqo okungakuhlanu.

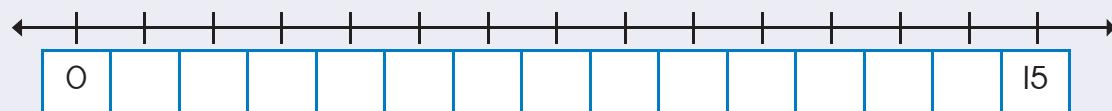


Gewalisa ngezinombolo ezingekho bese udweba amahuphu ukukhombisa amaqoqo okungakuhlanu.



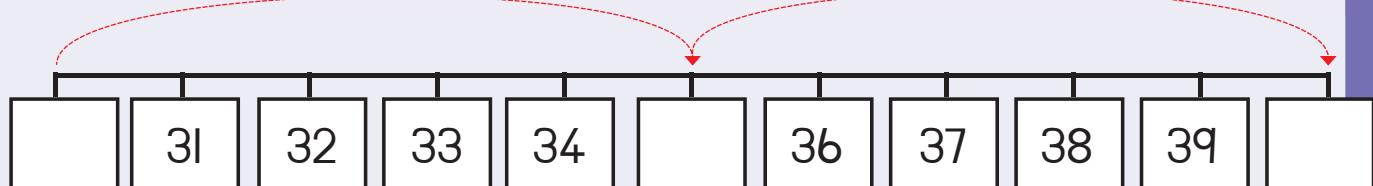
Qedela umugqa wezinombolo. Dweba amahuphu ukukhombisa amaqoqo okungakuhlanu.

Kunamaqoqo anokungakuhlanu.

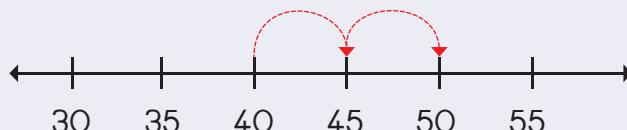


38

0 | 2 3 4 5 6 7 8 9 10



40, 45, 50



10, 15, 20



25, 30, 35



11 12 13 14 15 16 17 18 19 20



84



Amaphethini ezinombolo zokungakuhlanu okufinyelela ema - 80

Ithemu 3



Mangaki amaqoqo okungakuhlanu owabona esithombeni?



Qedela lezi zithombe ukukhombisa amaqoqo anokungakuhlanu.



0

1

2

3

4

5

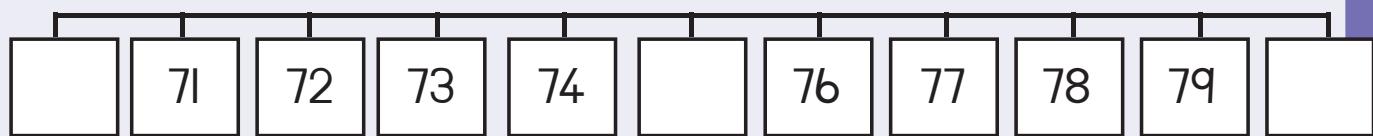
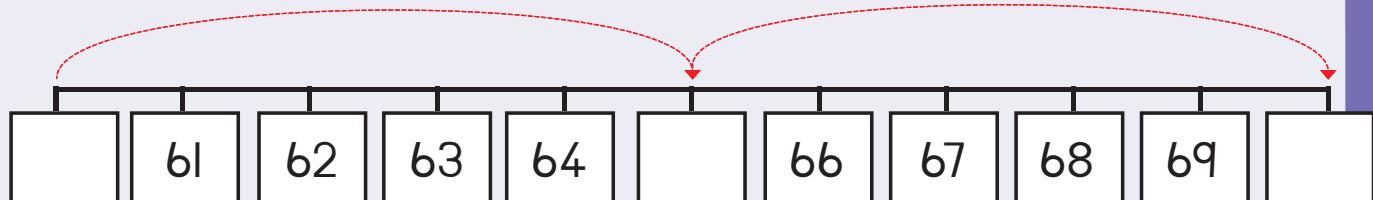
6

7

8

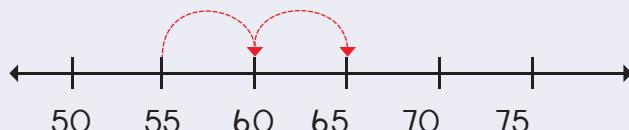
9

10

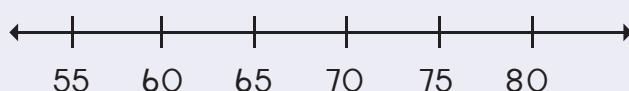


Dweba ihuphu ukukhombisa lokhu okulandelayo:

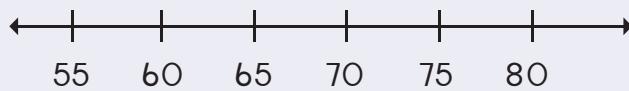
55, 60, 65



65, 70, 75



70, 75, 80



85



Ithemu 3

Phinda kibili



Phinda kibili lezi zinto bese ugcwalisa impendulo.



phinda kibili oku - 1



phinda kibili oku - 4

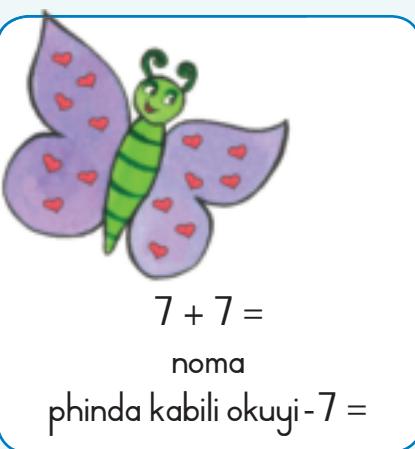


phinda kibili oku - 5



Bala izimo ezisemaphikweni ovemvane.

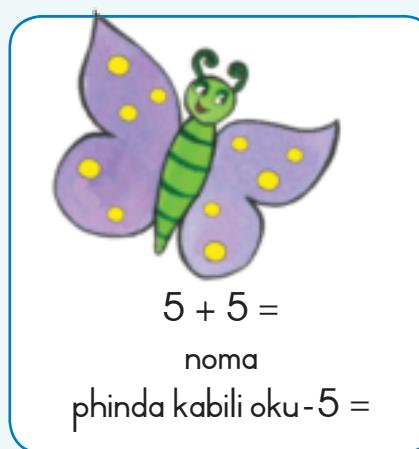
Qedela imisho yezinombolo zokuphinda kibili.



$$7 + 7 =$$

noma

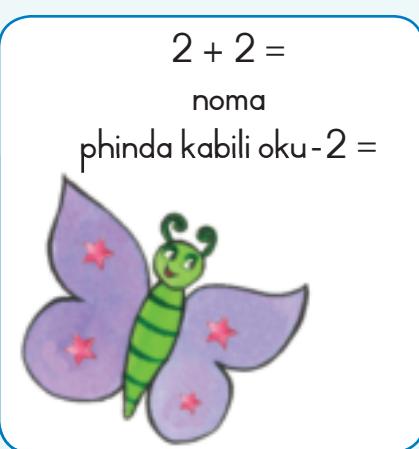
phinda kibili okuyi - 7 =



$$5 + 5 =$$

noma

phinda kibili oku - 5 =



$$2 + 2 =$$

noma

phinda kibili oku - 2 =



42

0

1

2

3

4

5

6

7

8

9

10

Sithi okuyi-6 okuphindwe
kabili kuba ngokuyi-12.
Kungakanani okuwuhhafu
wokuyi-12? _____

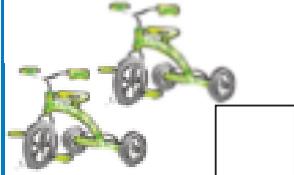


Qedela lokhu okulandelayo:

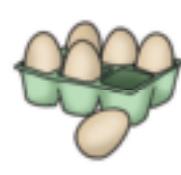
Mangaki amasondo
owabonayo?



Mangaki amasondo
owabona manje?



Mangaki amaqanda
asekhathonini?



Mangaki amaqanda
manje?



Bala amachashazi bese uwaphinda kabili.



Phinda kabili lezi
zinombolo.

	1	phinda kabili →		2
	2	phinda kabili →		
	3	phinda kabili →		
	4	phinda kabili →		
	5	phinda kabili →		

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



Qedela lokhu okulandelayo:

S	M	T	W	T	F	S

S	M	T	W	T	F	S	S	M	T	W	T	F	S

Sithi phinda kabili okuyi-7 kube ngokuyi-14.
Kuzoba yini uhafu wokuyi-14?

Zingaki iznyawo ozibonayo?		<input type="text"/>
----------------------------	--	----------------------

Zingaki iznyawo ozibona manje?



Sithi phinda kabili oku-2 ngoku-4.
Kuzoba yini uhafu woku-4?



	Qedela lokhu okulandelayo:	<input type="text"/>
--	-------------------------------	----------------------

$2 + 2 + 1 =$	5	noma	phinda kabili $2 + 1 = 5$
$4 + 4 + 1 =$		noma	
$7 + 7 + 1 =$		noma	



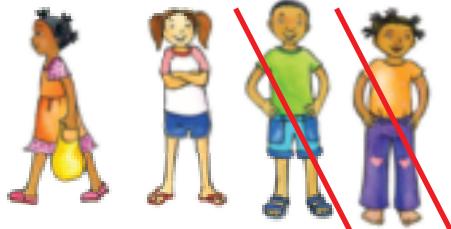
86



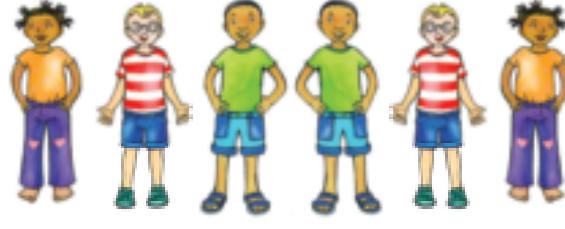
Ithemu 3



Hlikihla uhhafu wabantwana bese ubhala impendulo.



Uhhafu woku-4 ngoku- _____



Uhhafu wokuyi-6 ngoku- _____



Uhhafu woku-2 ngoku- _____



Uhhafu wokuyi-8 ngoku- _____



Hlikihla uhhafu bese ugcwalisa impendulo.

Uhhafu woku-2 =

Uhhafu wokuyi-8 =

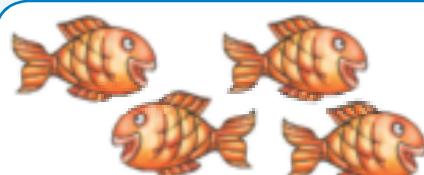
Uhhafu woku-4 =

Uhhafu wokuyi-10 =

Uhhafu wokuyi-6 =

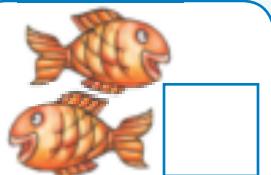


Zingaki izinhlanzi?





Uhhafu wezinhlanzi uyzinhlanzi ezingaki?





5

Bala amachashazi bese uwahhafula.

	2	uhhafu →		<input type="text"/>
	4	uhhafu →		<input type="text"/>
	6	uhhafu →		<input type="text"/>
	8	uhhafu →		<input type="text"/>
	10	uhhafu →		<input type="text"/>



Hhafula izinombolo.

4	uhhafu →	2
8	uhhafu →	
6	uhhafu →	
10	uhhafu →	
12	uhhafu →	
14	uhhafu →	



Mingaki imiswenya?



Uhhafu wemiswenya yimiswenya e - :



Nikeza impendulo yalokhu okulandelayo:

Mingaki imilenze?



Mingaki imilenze manje?



Sithi uhhafu wokuuyi-8 ngoku-



Teacher:
Sign:
Date:





Usuku:

Ithemu 3

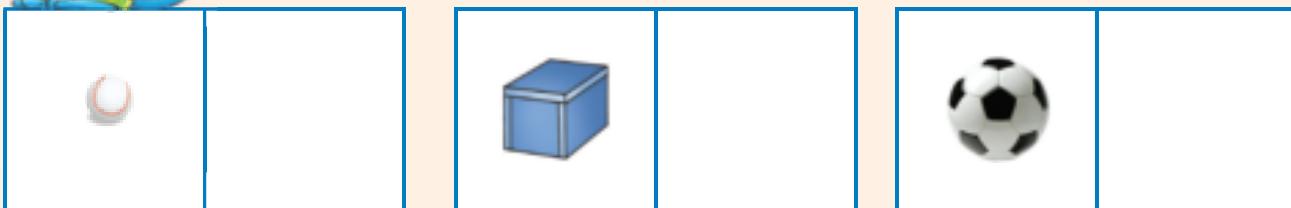


Izinto eziwonhlangothi-ntathu

Beka uphawu lokuthikha kokuncane kunakho konke.

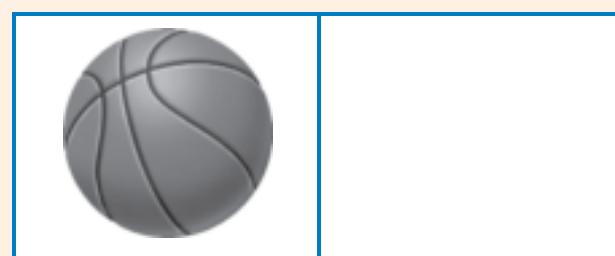
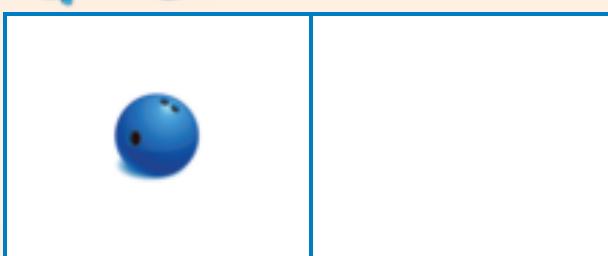


Dweba into enkulwana kwesokudla sesithombe.

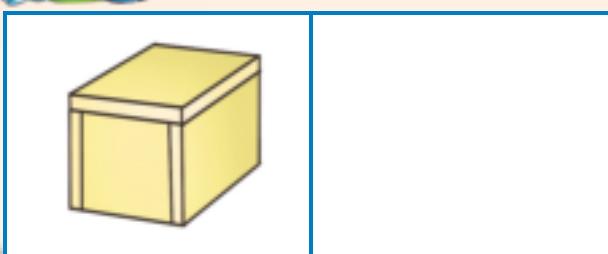


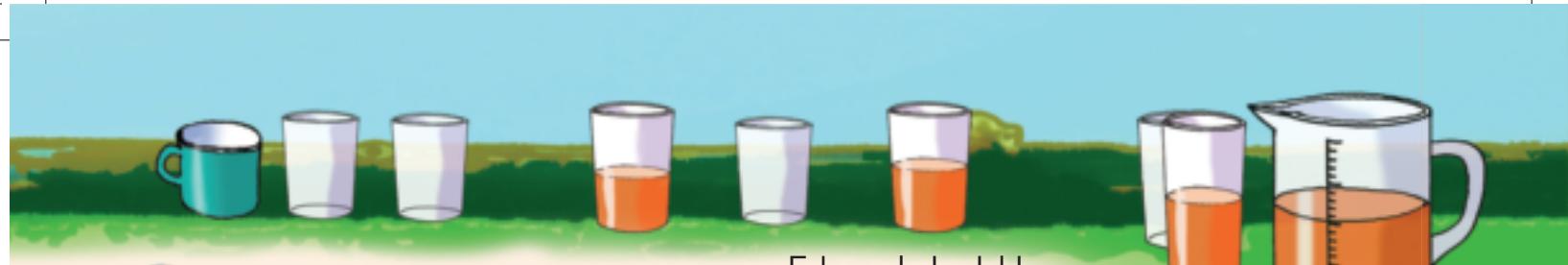
Dweba ibhola elikhudlwana kuneliluhlaza okwesibhakabhaka.

Dweba ibhola elincane kunelimpunga.

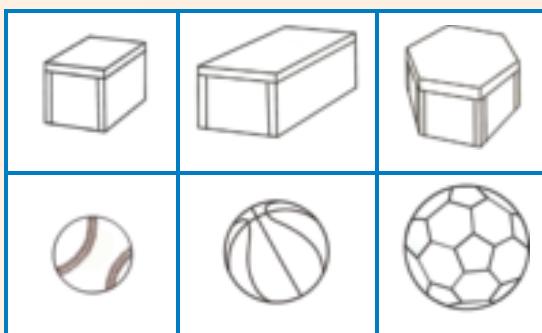


Dweba ibhokisi elincane kuneliphuzi.

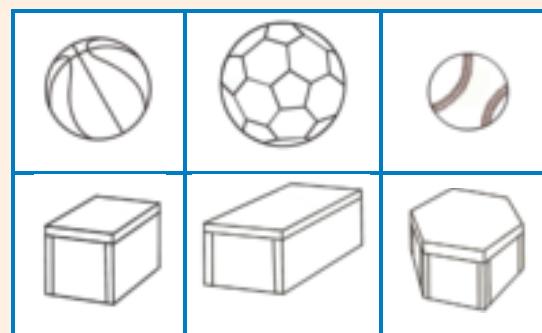




Faka umbala ebhokisini elincane kunawo wonke nombala ophuzi ebholeni elikhulu kunawo wonke.



Faka umbala oluhlaza okwesibhakabhaka ebhokisini elikhulu kunawo wonke nobomvu ebholeni elikhulu kunawo wonke futhi.



Ungasenza yini
isitezi ngalezi zinto?

Faka umbala kuyebo
noma cha.



yebo cha

yebo cha

yebo cha



Sika unamathisele izithombe zephephabhuku noma zephephandaba wenze izitezi zakho ezimbili.

Khumbula ukuthi
izitezi kumele zikwazi
ukuzimela.



Teacher:
Sign:
Date:





Usuku:

Izinto eziwonhlangothi - ntathu – Ezishibilikayo nezingqikayo

Ithemu 3



Ngabe lezi zinto ziyagingqika noma ziyashibilika?
Faka umbala empendulweni efanele.



kuyagingqika

kuyashibilika



kuyagingqika

kuyashibilika



kuyagingqika

kuyashibilika



kuyagingqika

kuyashibilika



Ingenzeka le nto elandelayo?
Faka umbala empendulweni efanele.



yebo

cha



yebo

cha



yebo

cha



3

Hlela lezi zinto ezilandelayo ngokuzidweba ebhulokhini elifanele.

	Amabhola	Amabhokisi
--	----------	------------

4

Hlela lezi zinto ngokobukhulu bese uzidweba.

	Amabhola amancane	Amabhokisi amancane
	Amabhola amakhulu	Amabhokisi amakhulu

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Amaphethini ejiyomethri

Ukubuyekeza:

Dweba lokhu okulandelayo:

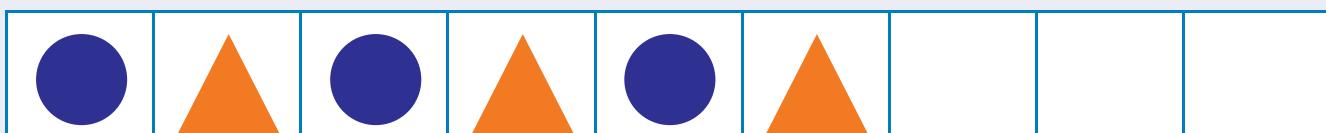
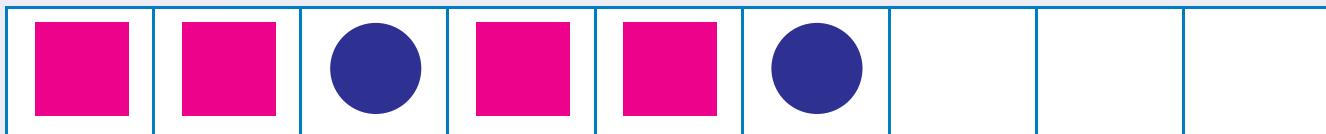
isiyingi

isikwele

unxande

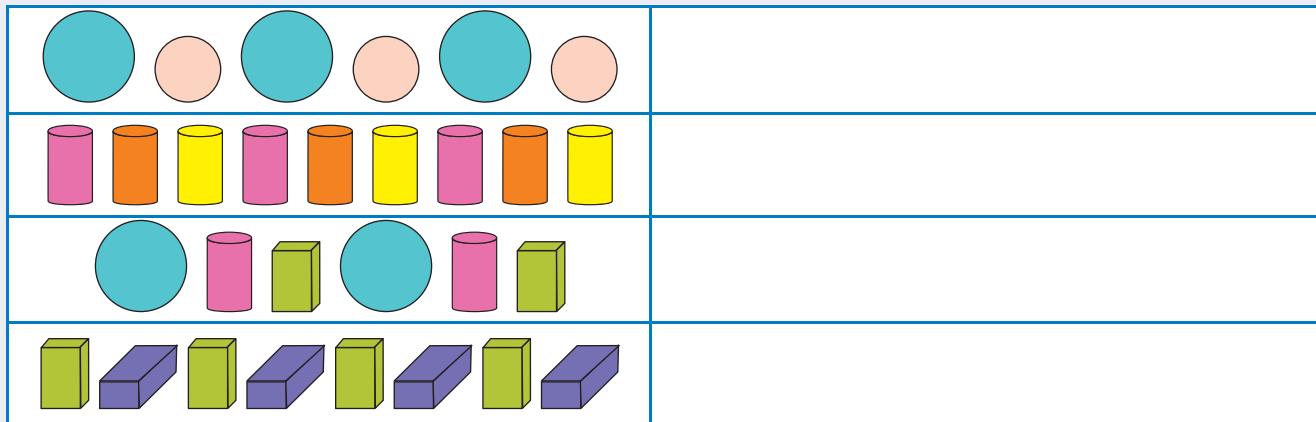


Qedela iphethini.





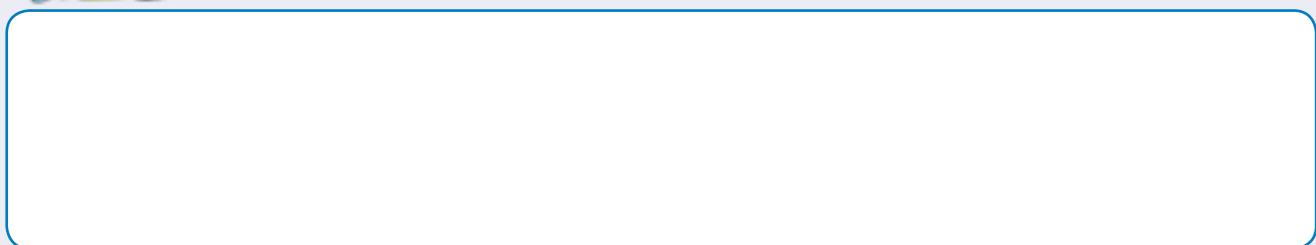
Dweba indlela okumele iphethini leluleke ngayo.



Dweba iphethini lakho.

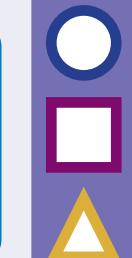


Namathisela izithombe wenze elakho iphethini.



Qedela leli phethini.

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



Teacher:
Sign:
Date:



qo



Ithemu 3

Amaqoqo okubili afinyelela e - 15



Bhala igama lale nombolo.

2

kubili



Phendula imibuzo.

Mangaki amaphengwini owabonayo?



Mangaki amapheya ezinyawo owabonayo?

Bhala lokhu kube wumusho wezinombolo:



Phendula imibuzo.

Zingaki izincwadi?



Mangaki amaqoqo okungakubili engingawenza?

Wabbale abe wumusho wezinombolo.



Bhala igama lale nombolo.

4



Bala amaphiko, bese ugcwalisa impendulo.



$$2 + 2 =$$



$$2 + 2 + 2 =$$



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



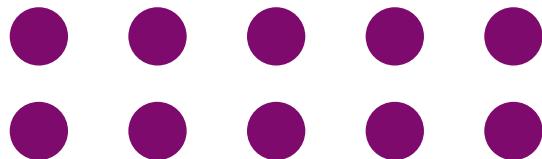


Dweba iziyangi ukokelezele lokhu?

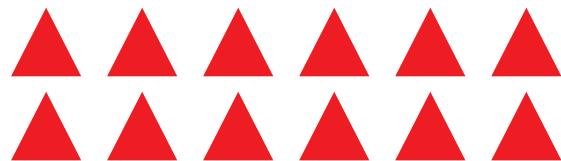
Amaqoqo ama - 4 ezinto ezhamba nga - 2



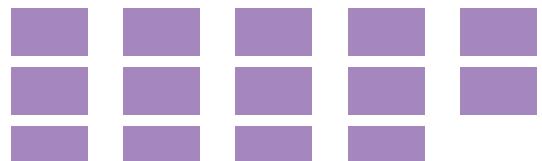
amaqoqo ama - 5 ezinto ezhamba nga - 2



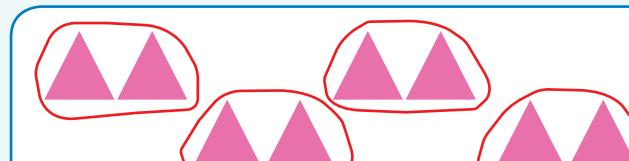
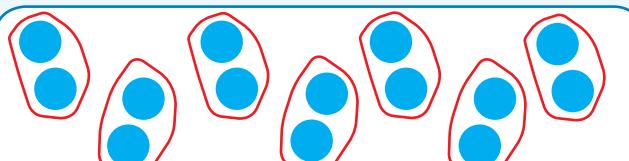
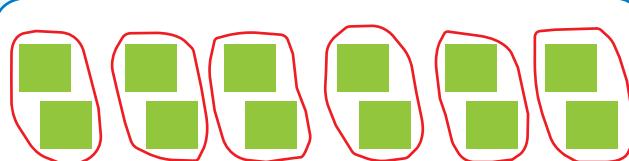
amaqoqo ayi - 6 ezinto ezhamba nga - 2



amaqoqo ayi - 7 ezinto ezhamba nga - 2



Bhala umusho wezinombolo ngalokhu:



Mangaki amaqoqo okungakibili ongawenza?

i-13 noku - l kwenza	amaqoqo
i-11 noku - l kwenza	amaqoqo
i-9 noku - l kwenza	amaqoqo
i-7 noku - l kwenza	amaqoqo

i-12 noku - l kwenza	amaqoqo
i-5 noku - l kwenza	amaqoqo
oku - l noku - l kwenza	amaqoqo
i-10 noku - O kwenza	amaqoqo



q1

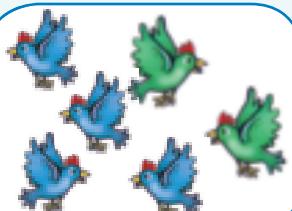
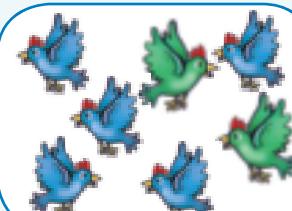
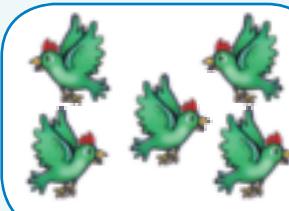


Ithemu 3



Okubili uma kuphindwa esibalweni sokuhlanganisa kufinyelela e -15

Mingaki imilenze?



Uyibale kanjani?



Dweba izimo ukukhombisa okulandelayo:

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



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

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

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

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

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



Bhala imisho yezinombolo ngalokhu okulandelayo.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
$2 + 2 + 2 + 2 + 2 = \boxed{\quad}$									

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

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

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



Kokelezela bese ubala amaqoqo anokungakubili ongawenza ekhadini ngalinye.

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



Qedela leli phethini lezinombolo ozozisebenzisa ukwenza amaqoqo anokungakubili.

1	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5					

II I2 I3 I4 I5 I6 I7 I8 I9 20



Teacher:
Sign:
Date:



q2



Ithemu 3



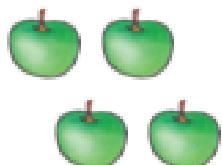
Gcwalisa izinombolo ezingekho.

- | | | | | | | | | | |
|----|--|----|--|----|--|---|--|---|--|
| I | | 3 | | 5 | | 7 | | 9 | |
| II | | 13 | | 15 | | | | | |

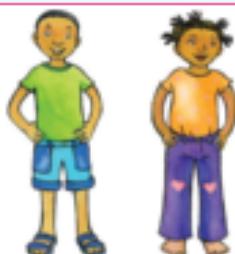
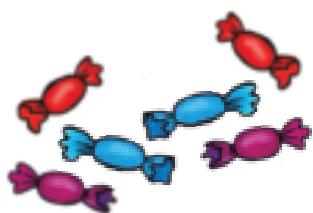


Yenza amaqoqo ezinto ezingambili.

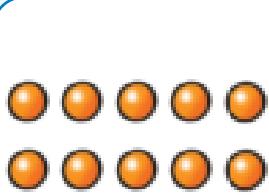
Dweba isiyingi ukokelezele iqoqo elinokungakubili.



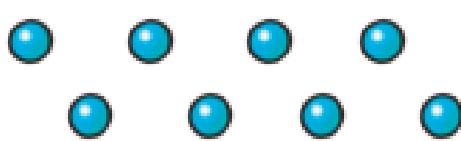
Mangaki amaqoqo
ama-aphula?
Mangaki ama-aphula azotholwa
yingane ngayinye?



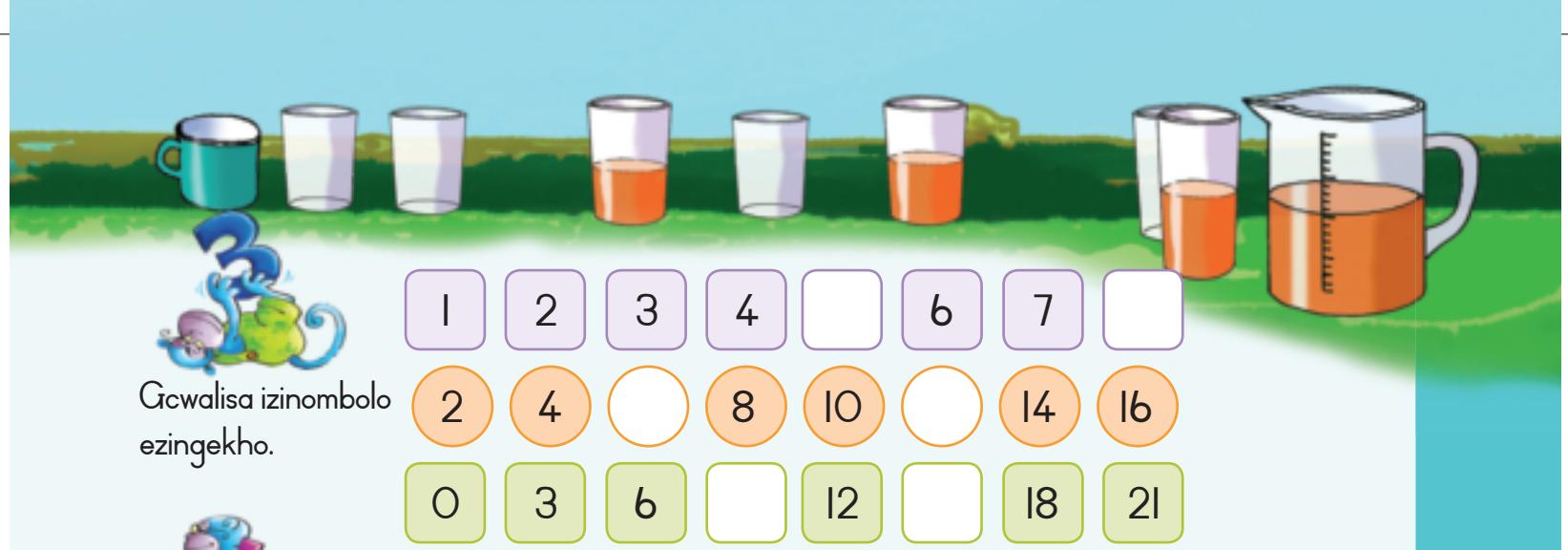
Mangaki amaqoqo amaswidi?
Mangaki amaswidi azotholwa
yingane ngayinye?



Mangaki amaqoqo
ezimabule?
Zingaki izimabule ezizotholwa
yingane ngayinye?



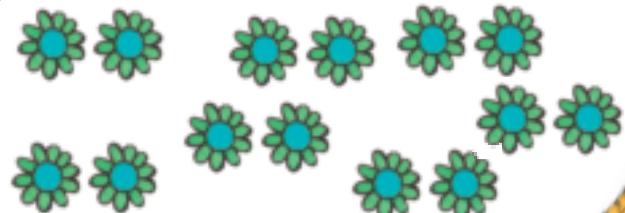
Mangaki amaqoqo
ezimabule?
Zingaki izimabule ezizotholwa
yingane ngayinye?



Gcwalisa izinombolo ezingekho.



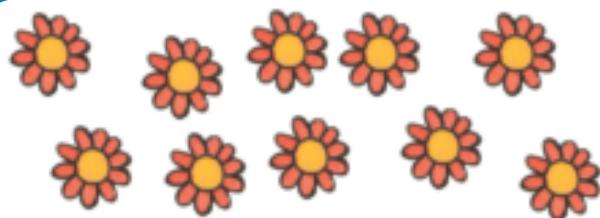
Bhala umusho wezinombolo usebenzisa okungakubili.



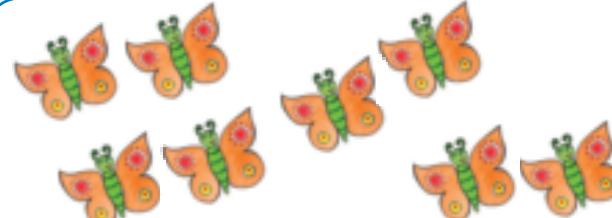
$2 + 2 + 2 + 2 + 2 + 2 + 2 = \boxed{14}$



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--	--



Bala lokhu okulandelayo:

$2 + 2 + 2 =$	<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"/>



Kokelezela amaqoqo okungakubili emqqeni ngamunye.



Teacher:
Sign:
Date:



q3

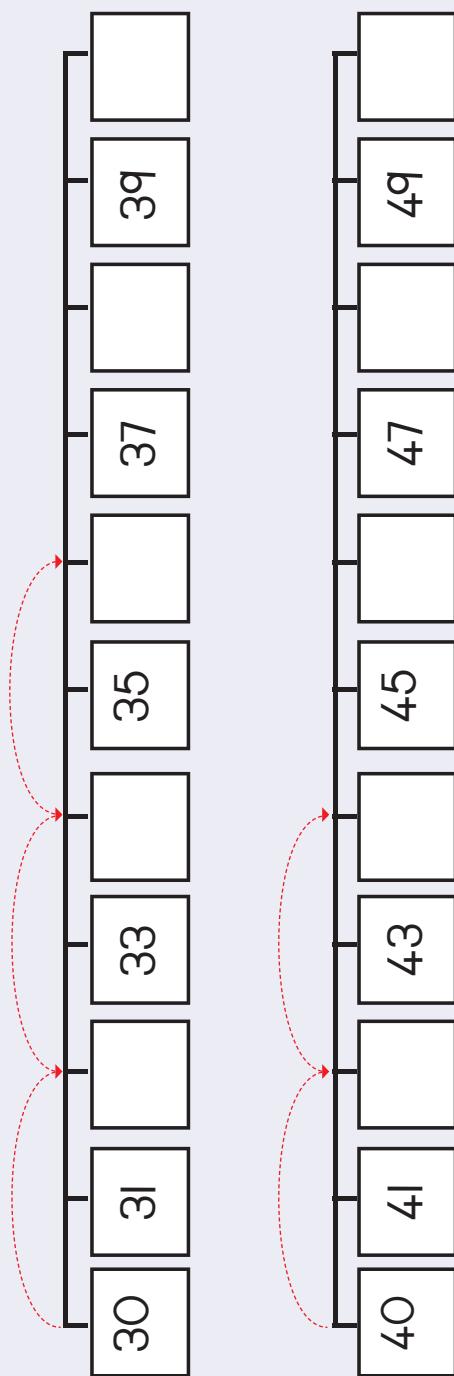
Amaphethini ezinombolo ezi-2 zize zifinyelele ema-50

Ithemu 3



Sika izinombolo ezingekho kokusikwayo kwesi-2 uzinamathisele emgqeni wezinombolo. Manje qedela amahuphu.

Usuku:



Qedela iphethini ngokufaka umbala ezinombolweni ezifanele.

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



Dweba amahuphu ukukhombisa okulandelayo:

30, 32, 34

28	30	32	34	36	38
----	----	----	----	----	----

40, 42, 44

38	40	42	44	46	48
----	----	----	----	----	----

46, 48, 50

40	42	44	46	48	50
----	----	----	----	----	----



58

0

1

2

3

4

5

6

7

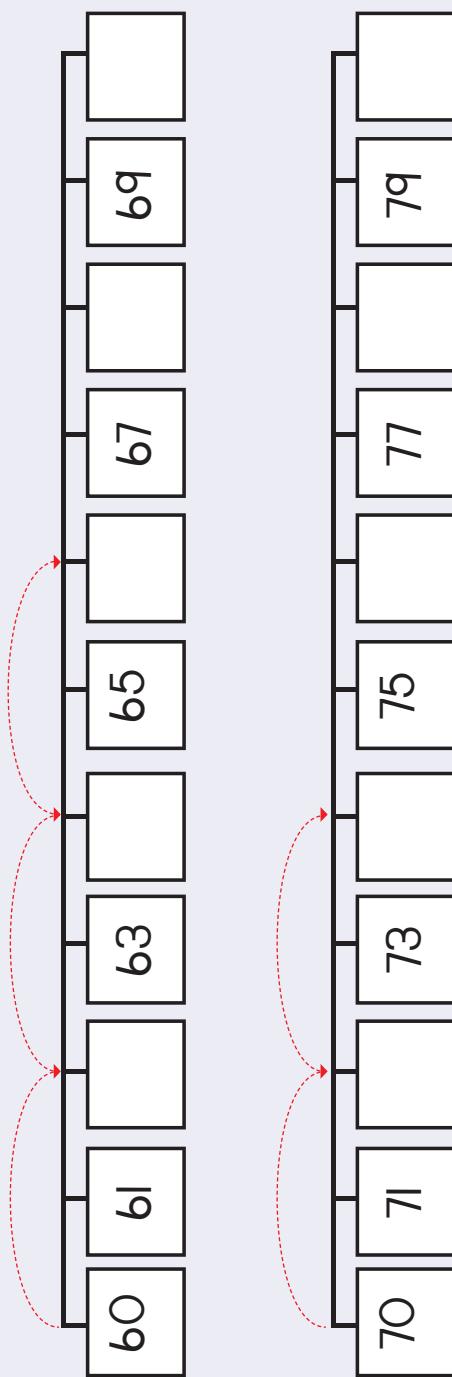
8

9

10



Sika izinombolo kokusikwayo kwesi -2 uzibeke emgqeni wezinombolo. Qedela amahuphu.



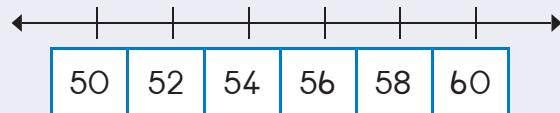
Qedela iphethini ngokufaka umbala ezinombolweni ezifanele.

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

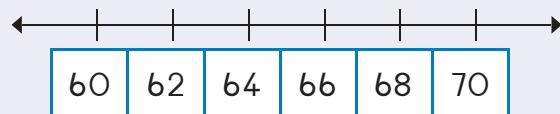


Dweba amahuphu ukukhombisa okulandelayo:

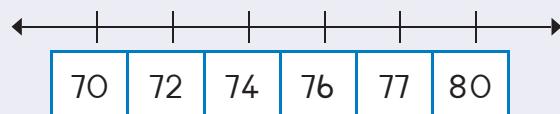
54, 56, 58



64, 66, 68



72, 74, 76



Teacher:
Sign:
Date:



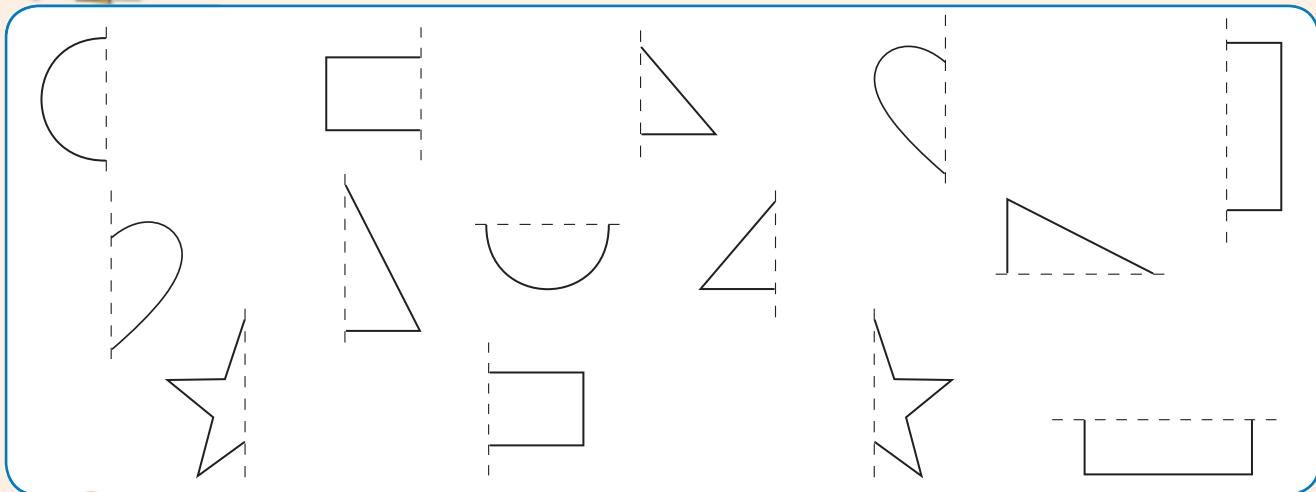
q4



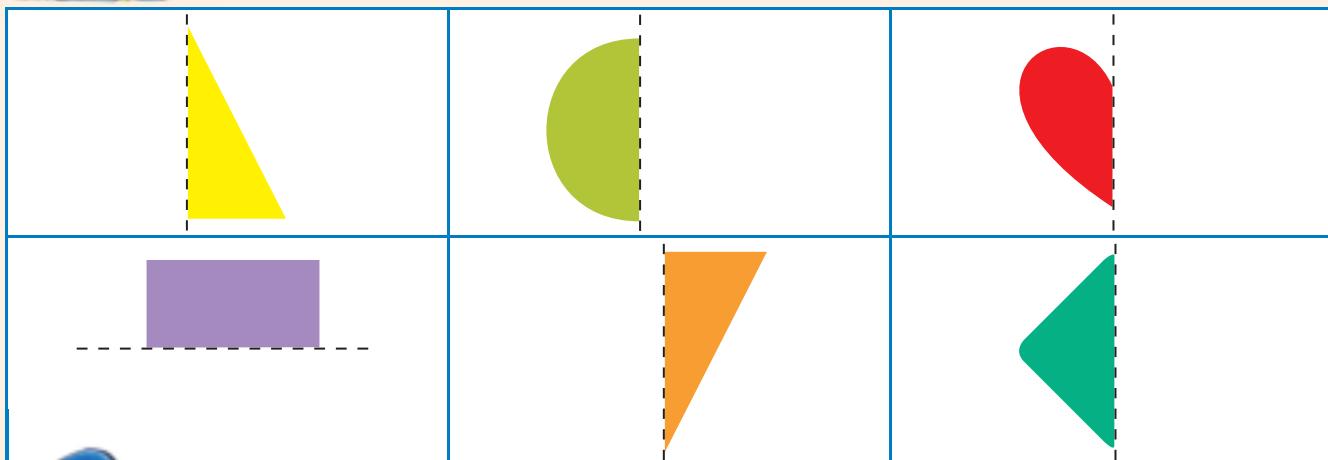
Ithemu 3



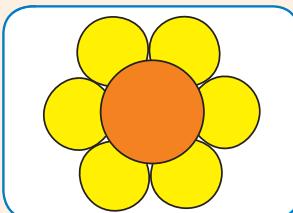
Faka umbala ezingxenyeni zezimo ezihamba ngambili ukuze zenze isimo esisodwa.



Dweba omunye uhafu uwufake umbala.



Dweba umugqa uhlukanise ngawo lezi zithombe ezinokuhamba ngakubili ukuze izinhlangothi zifane ncamashi.



60

0

1

2

3

4

5

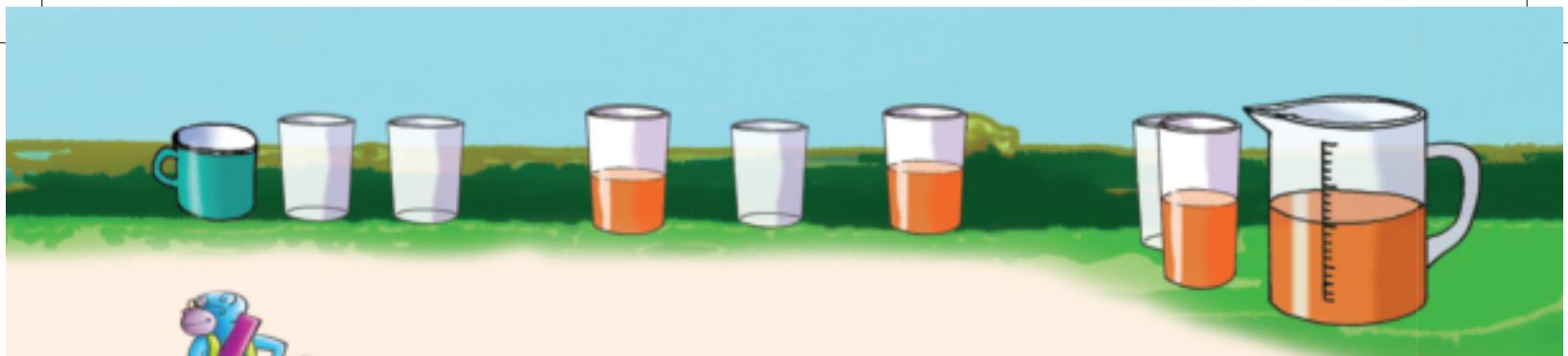
6

7

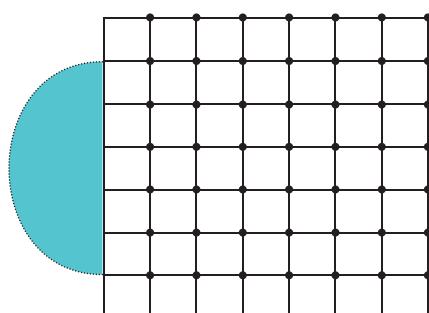
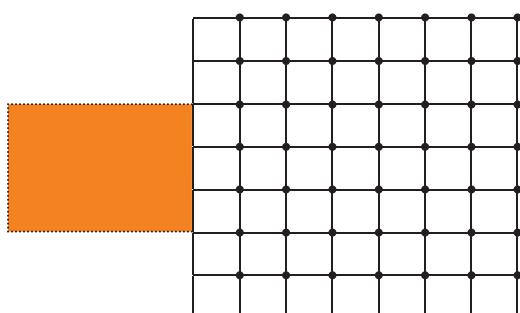
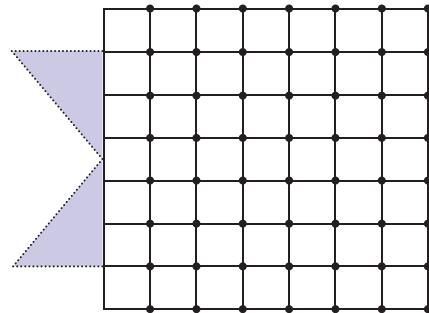
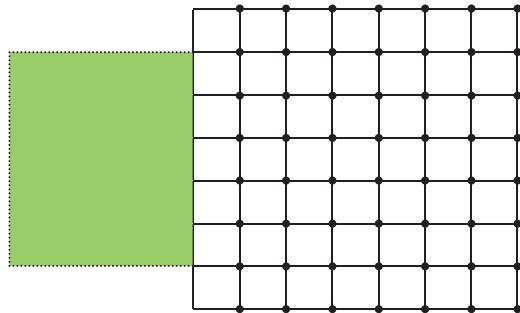
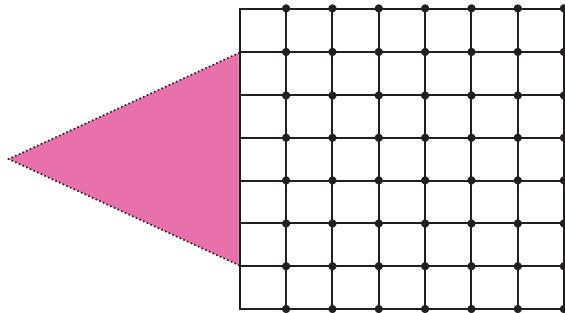
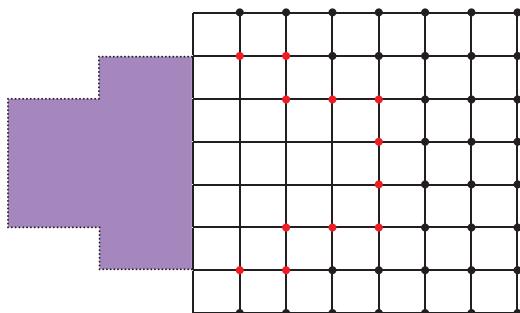
8

9

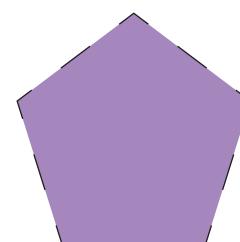
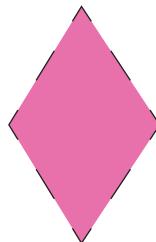
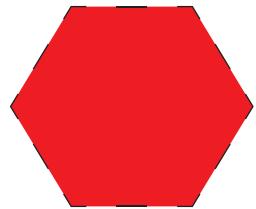
10



Dweba omunye uhhafu wesimo usebenzisa igridi.



Dweba umugqa uhlukanise ngawo lezi zithombe ezinokuhamba ngakubili ukuze izinhlangothi zifane ncamashi.



Teacher:
Sign:
Date:



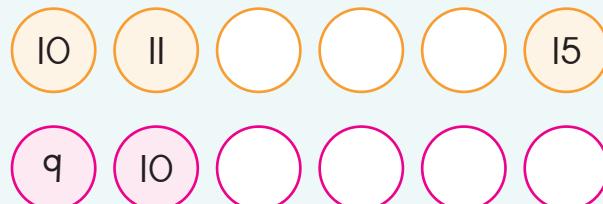
q5



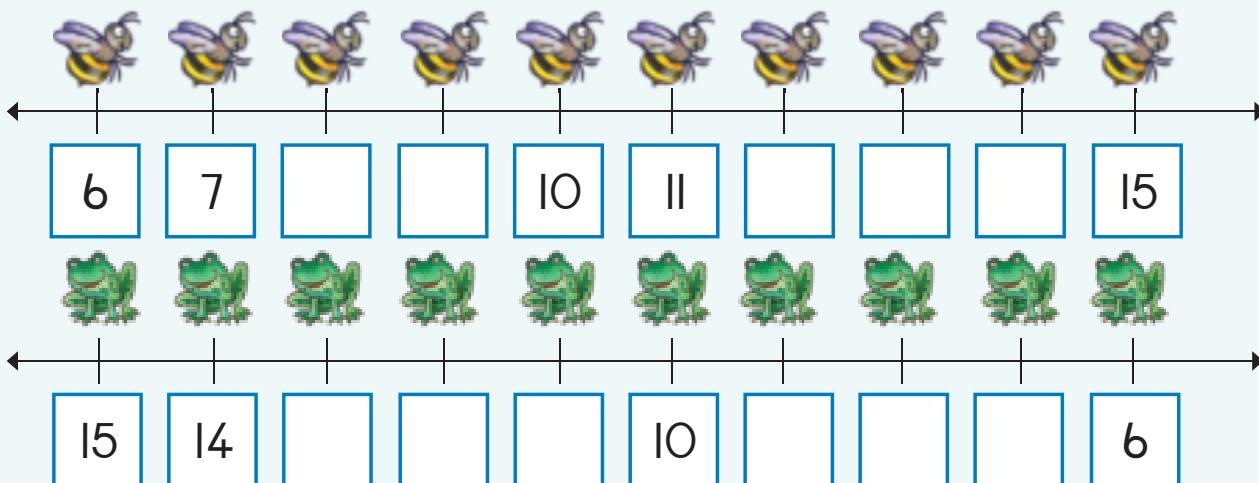
Ithemu 3



Gcwalisa izinombolo ezingekho.



Gcwalisa izinombolo ezingekho.



Gcwalisa impendulo.

$10 + 1 =$	<input type="text"/> II
$10 + 2 =$	<input type="text"/>
$10 + 5 =$	<input type="text"/>
$10 + 3 =$	<input type="text"/>

$15 - 10 =$	<input type="text"/>
$14 - 10 =$	<input type="text"/>
$12 - 10 =$	<input type="text"/>
$11 - 10 =$	<input type="text"/>





Faka umbala esibalweni ngasinye bese ufaka umbala iphasili
elifanele elinenombolo efanele.
Sikwenzele okokuqala.



10 + 1 cube bomvu



10 + 3 cube bukhwebezana



10 + 5 cube sasibhakabhaka



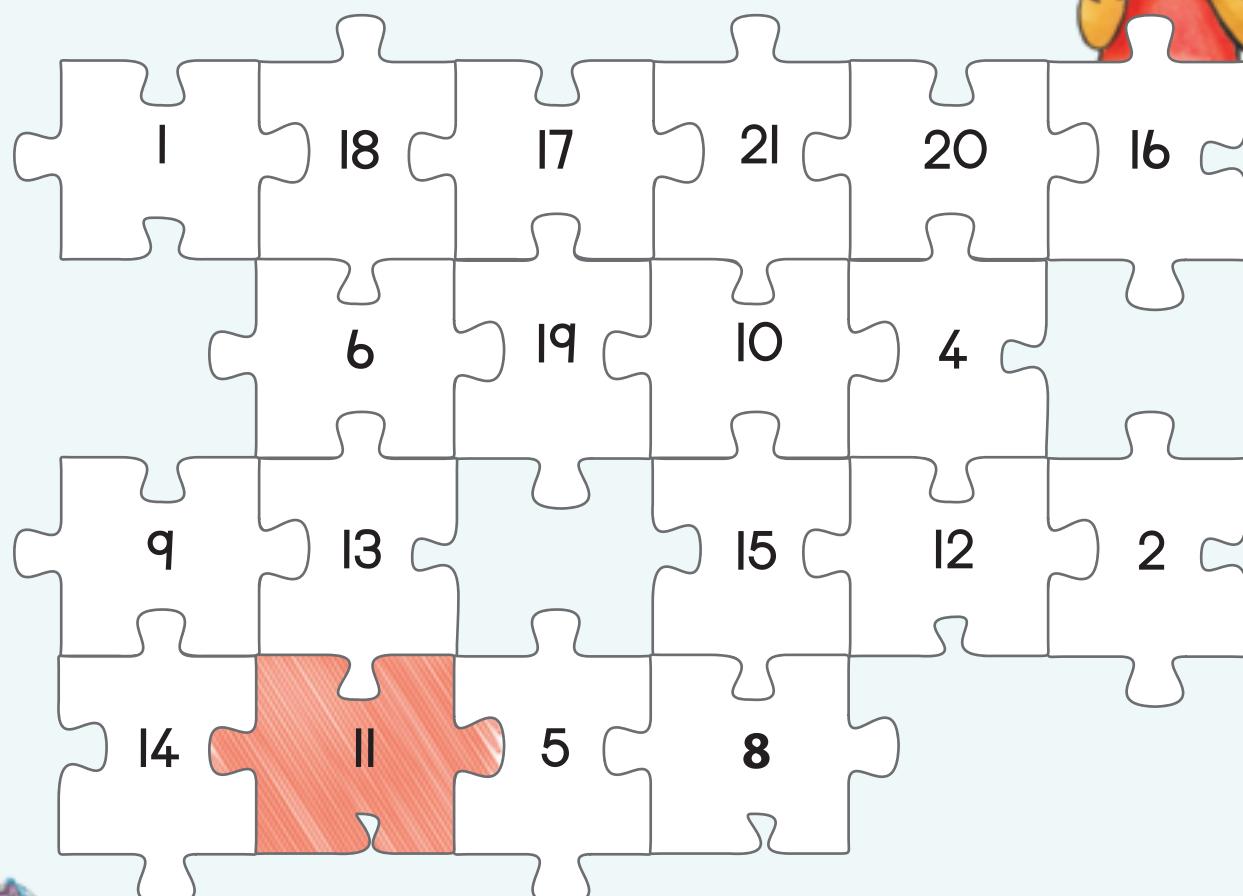
10 + 4 cube phuzi



10 + 0 cube satshani



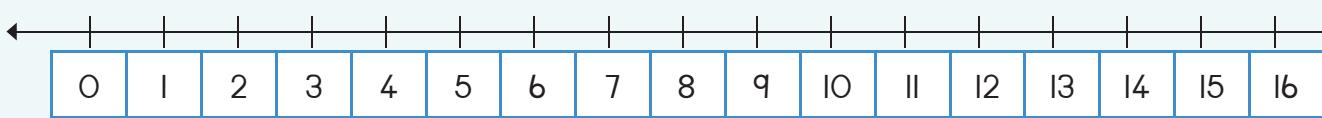
10 + 2 cube wolintshi



Khombisa ishumi nokune emgqeni wezinombolo:



Teacher: Sign:
Date:



11 12 13 14 15 16 17 18 19 20



96



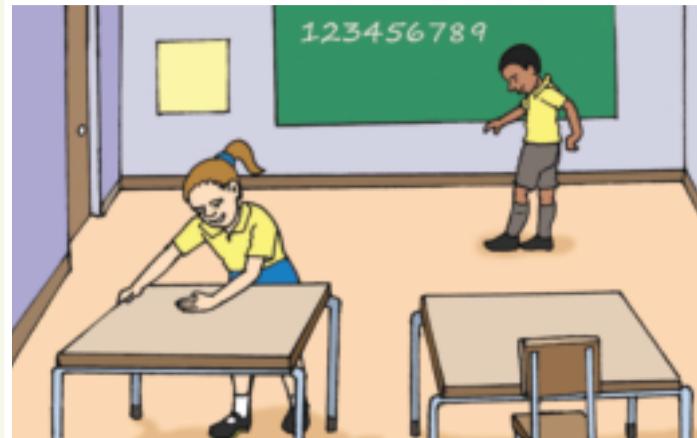
Ubude

Ithemu 3



Kala ubude nobubanzi bedeski noma
betafula ngobude besandla sakho.
Zingaki izandla ezilingana ubude betafula?

Zingaki izandla ezilingana ububanzi balo?

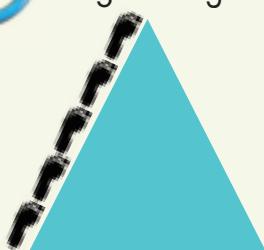


Ubude be - _____ buyizandla
ezi - _____.

Ubude be - _____ buyizandla
ezi - _____.



Zingaki izinyawo ezilingana uhlangothi?



Gcwalisa impendulo.



Ubude be - _____ buyizandla
ezi - _____.



0

1

2

3

4

5

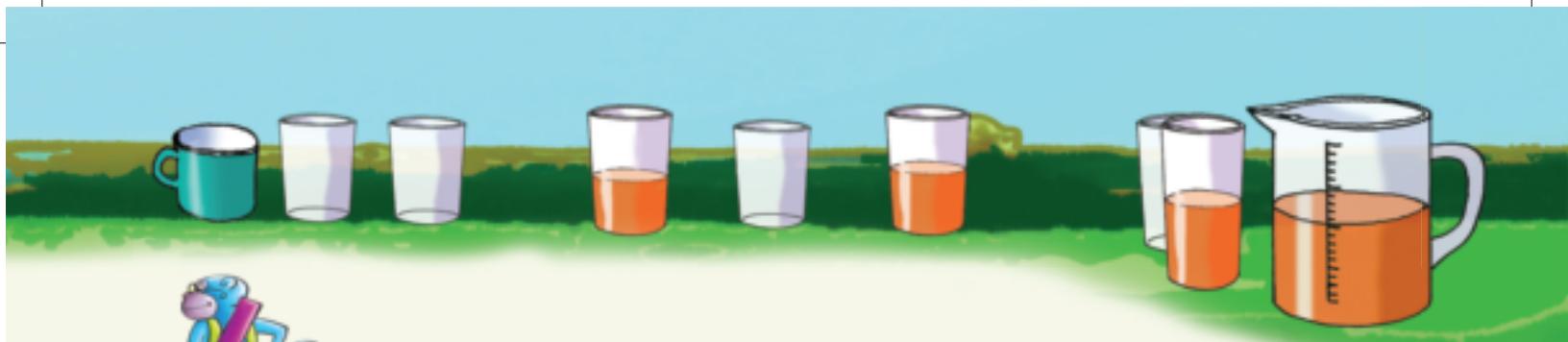
6

7

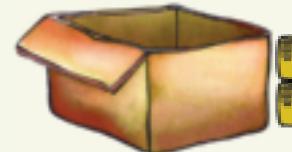
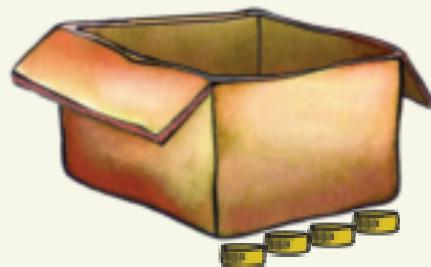
8

9

10



Leli bhokisi lide kangakanani futhi libanzi kangakanani?

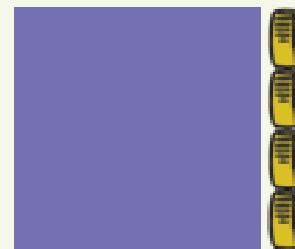
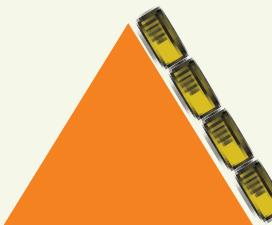


Ubude buyizivalo zamabhodlela
ezi - _____ .

Ubude buyizivalo zamabhodlela
ezi - _____ .



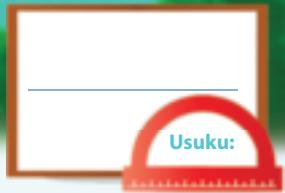
Zingaki izivalo zamabhodlela ezilingana ubude bohlangothi?



Teacher:
Sign:
Date:



97



Inombolo 16

Ukubuyekeza:

Zijwayeze ukubhala igama lenombolo bese uqedela iphethini.

7

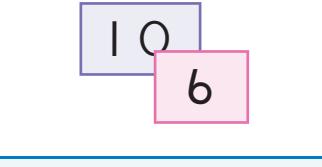
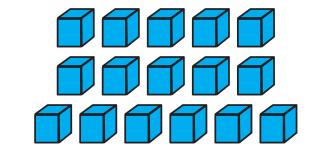
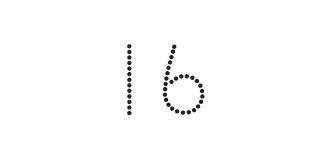
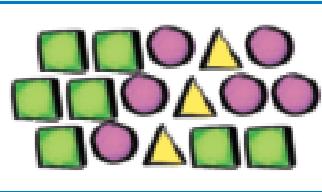
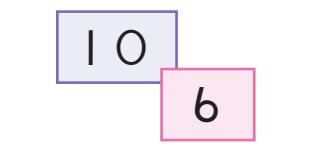
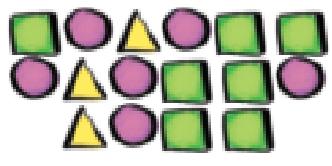
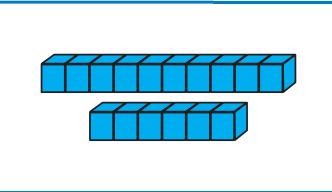
isikhombisa



Qondanisa izithombe.



Bhala phezu kwezinombolo.



16 16 16 16

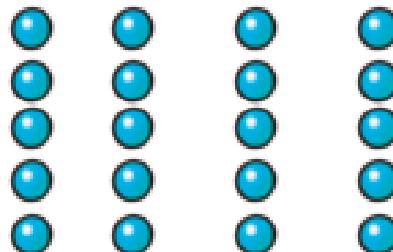
ishumi nesithupha

16 16 16 16

ishumi nesithupha



Kokelezela ubuhlalu
obuyi-16 kuphela.



Bungaki obusele? _____



Dweba izinto eziyi-16.

Manje budwebe
ngendlela ehlukile.



Gcwalisa inombolo engekho.

2	3	4
19		21
17		19



Qedela ithebhula. Umugqa ngamunye unesithombe,
inombolo kanye negama laley nombolo.

 	16	
 		ishumi nesithupha



Iyiphi inombolo encane
ngokukodwa e-16? _____

Iyiphi inombolo engaphezulu
ngokukodwa e-16? _____



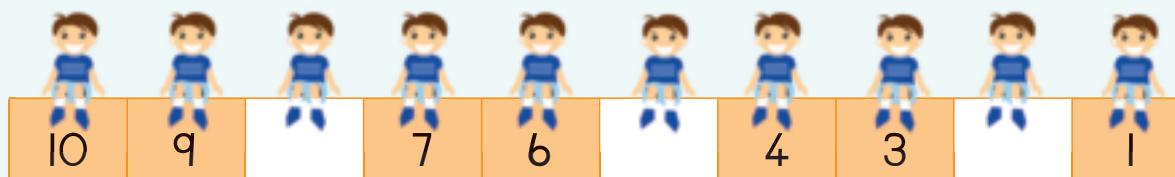
Iyiphi inombolo encane ngokukodwa eshumini nesithupha? _____

Yini encane ngokubili eshumini nesithupha? _____

Iyiphi inombolo engaphezulu ngokukodwa eshumini nesithupha? _____



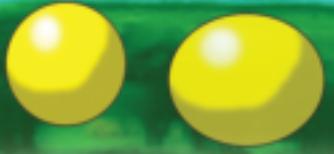
Gcwalisa izinombolo ezingekho.



Teacher:
Sign:
Date:



98



Inombolo 17

Ukubuyekeza:

Zijwayeze ukubhala igama lenombolo bese uqedela iphethini.

8

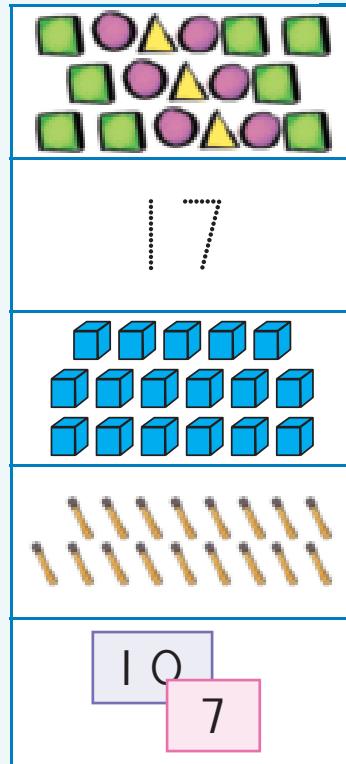
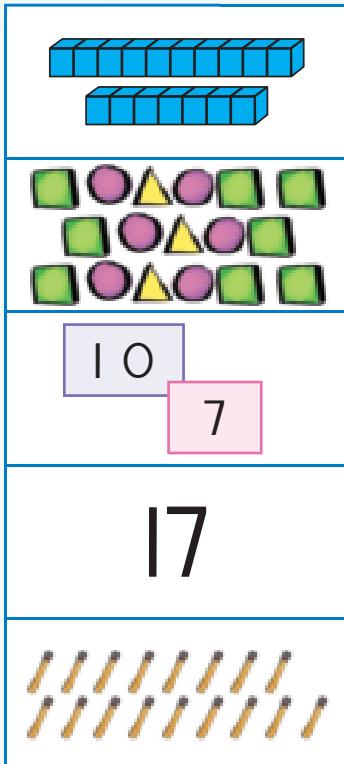
isishiyagalombili



Qondanisa izithombe.

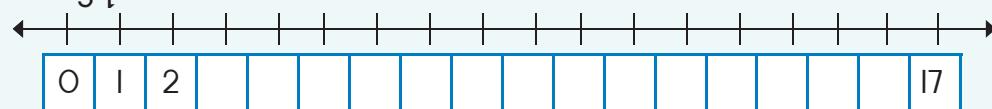


Bhala phezu kwezinombolo.



17	17	17	17
ishumi			
nesikhombisa			
17	17	17	17
ishumi			
nesikhombisa			

Qedela umugqa wezinombolo.





Dweba izinto eziyi-17.

Manje zidwebe
ngendlela eyahlukile.



Iyiphi inombolo eza
emva kwalena?

16	17	
24	25	
17	18	



Qedela ithebhula.
Umuqqa ngamunye
unesithombe,
inombolo kanye
negama laleyo
nombolo.

			ishumi nesikhombisa



Iyiphi inombolo encane ngokukodwa eshumini nesikhombisa?

Yini encane ngokubili eshumini nesikhombisa?

Iyiphi inombolo engaphezulu ngokukodwa eshumini nesikhombisa?

Yini enkulu ngokubili eshumini nesikhombisa?



Gcwalisa izinombolo ezingekho.

Lezi zinombolo ziphinde
zibizwe ngogweje.

	2		4		6		8		10
	12		14		16		18		20



Teacher:

Sign:

Date:

qq



Inombolo 18

Ukubuyekeza:

Zijwayeze ukubhala igama lenombolo bese uqedela iphethini.

q

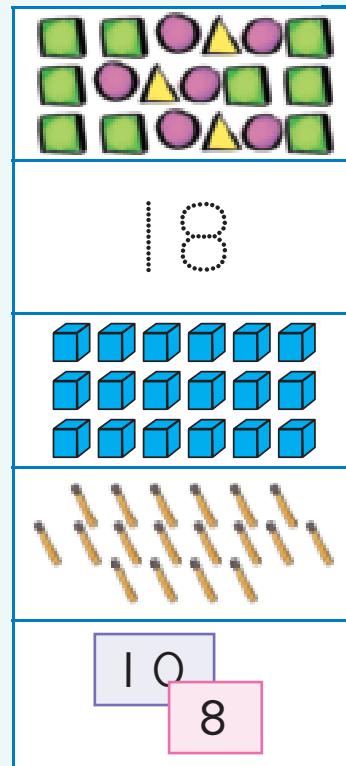
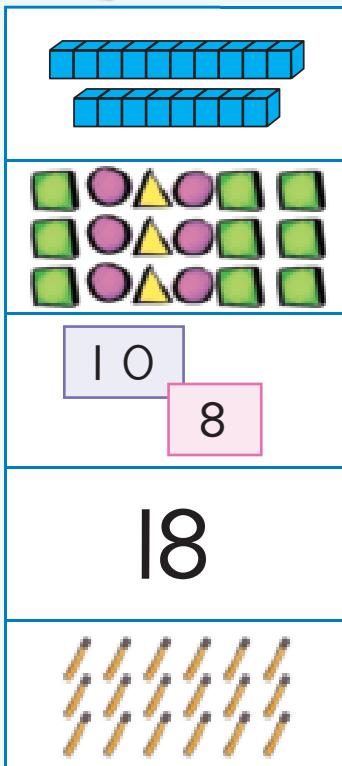
isishiyagagalolunge



Qondanisa izithombe.



Bhala phezu kwezinombolo.



18 18 18 18

ishumi

nesishiyagalombili

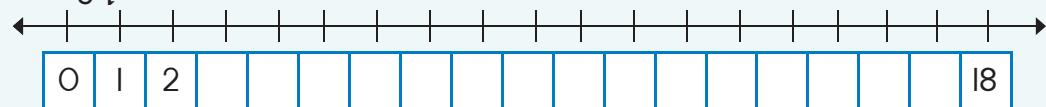
18 18 18 18

ishumi

nesishiyagalombili



Qedela umugqa wezinombolo.



70

0

1

2

3

4

5

6

7

8

9

10



Dweba izinto eziyi-18.

Manje zidwebe
ngendlela eyahlukile.



Iyiphi inombolo eza
emva kwalena?

8	q	
33	34	
0	I	



Qedela ithebhula.
Umugqa ngamunye
unesithombe,
inombolo kanye
negama laleyo
nombolo.

	18	
		ishumi nesishiyagalombili



Iyiphi inombolo encane ngokukodwa kokuyi-18?

Yini encane ngokubili e-18?

Iyiphi inombolo engaphezulu ngokukodwa kokuyi-18?

Yini enkulu ngokubili e-18?



Gcwalisa izinombolo ezingekho.

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

|| I2 I3 I4 I5 I6 I7 I8 I9 20



Teacher:
Sign:

Date:



100



Inombolo 19

Ukubuyekeza:

Zijwayeze ukubhala igama lenombolo bese uqedela iphethini.

10

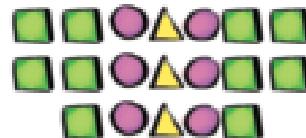
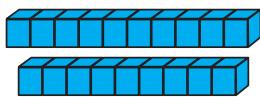
ishumi



Qondanisa izithombe.

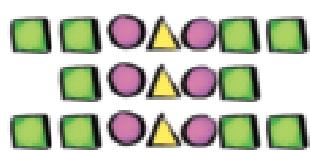


Bhala phezu kwezinombolo.



19 19 19 19

ishumi nesishiyagalolunye



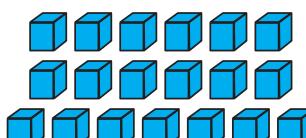
19

19 19 19 19

ishumi nesishiyagalolunye

10

q

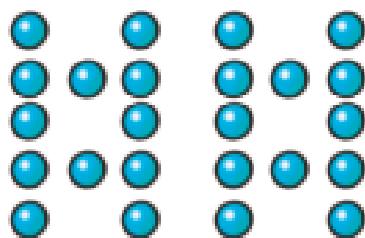


Kokelezela ubuhlalu
obuyi-19 kuphela.

19



10
q



Bungaki obusele? _____



0

1

2

3

4

5

6

7

8

9

10



Dweba izinto eziyi-19.

Manje zidwebe
ngendlela eyahlukile.



Iyiphi inombolo
ephakathi kwalezi?

14		16
35		37
8		10



Qedela ithebhula. Umugqa ngamunye unesithombe, inombolo kanye negama
laleyo nombolo.

		19	
			ishumi nesishiyagalolunye



Iyiphi inombolo encane ngokukodwa kokuyi-19?

Yini encane ngokubili e-19?

Iyiphi inombolo engaphezulu ngokukodwa kokuyi-19?

Yini enkulu ngokubili e-19?



Gcwalisa izinombolo ezingekho.

Kukhona nezinombolo
ezingelona ugweje.

I		3		5		7		9	
II		13		15		17		19	



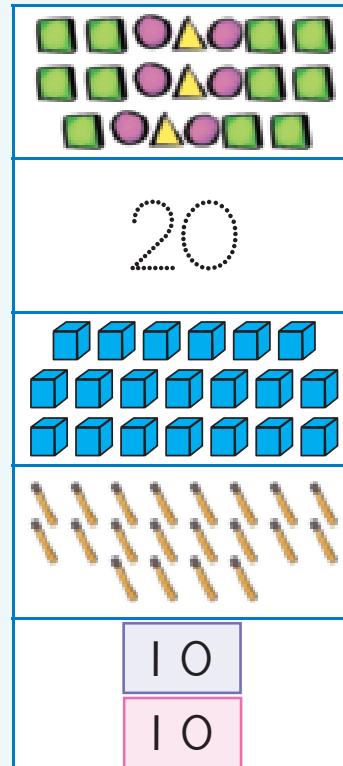
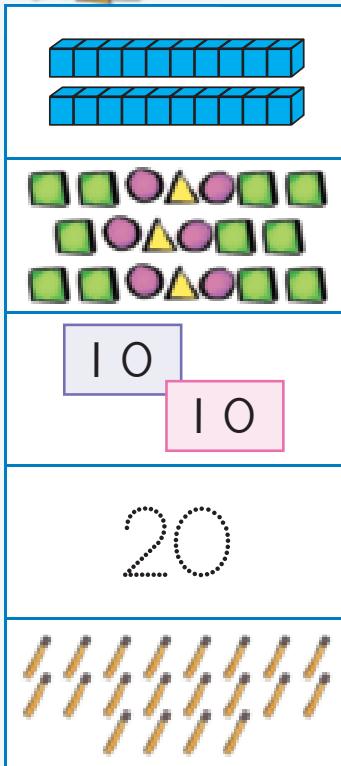
101



Ithemu 4



Qondanisa izithombe.



Bhala phezu
kwezinombolo.

20 20 20 20

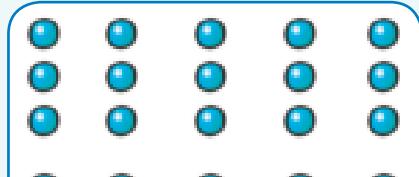
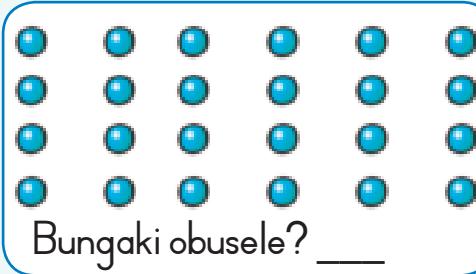
amashumi amabili

20 20 20 20

amashumi amabili



Kokelezela
ubuhlalu
obungama-20
kuphela.



Qedela ithebhula. Umugqa ngamunye unesithombe,
inombolo kanye negama laleyo nombolo.

		amashumi amabili
		amashumi amabili



Iyiphi inombolo encane
ngokukodwa
kokungama-20? _____
Iyiphi inombolo engaphezulu
ngokukodwa
kokungama-20? _____



0 | 2 3 4 5 6 7 8 9 10



Hlanganisa
inombolo
negama layo.

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



Gcwalisa inombolo engekho.

Ngaphambili		Ngemuva
16	17	
	12	
	14	
	9	10
	6	

kune
isikhombisa
isishiyagalolunye
kuthathu
ishumi nanye
ishumi nambili
kunye
kubili
isishiyagalombili
zero
kuhlalu
isithupha
ishumi nantathu
ishumi
ishumi nane



Sebenzisa amagama -ncane
noma -khulu ukuqedela lokhu:



Ama-35 _____ kunama-38

Ama-79 ngoku- _____ kunama-65

Teacher: _____
Sign: _____
Date: _____

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Ithemu 4



Kokelezela inombolo enkudlwana ebhulokhini ngalinye.

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

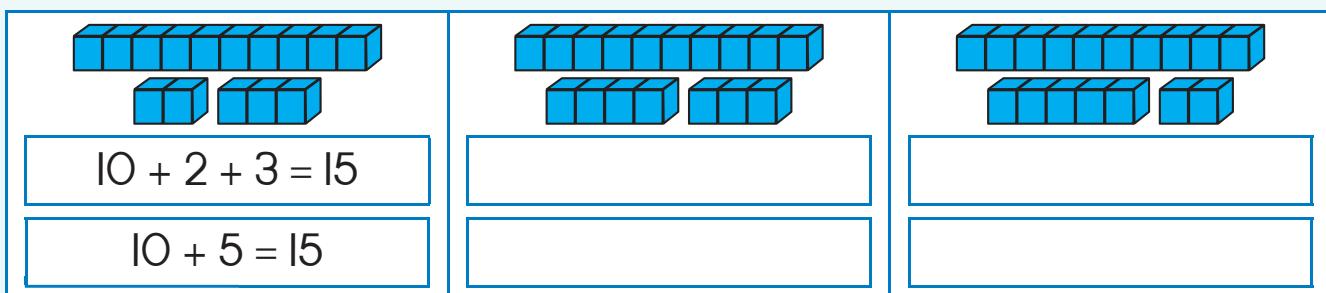


Yengeza ngalokhu
okulandelayo.
Qala ngenombolo enkulu
kunazo zonke kuqala.

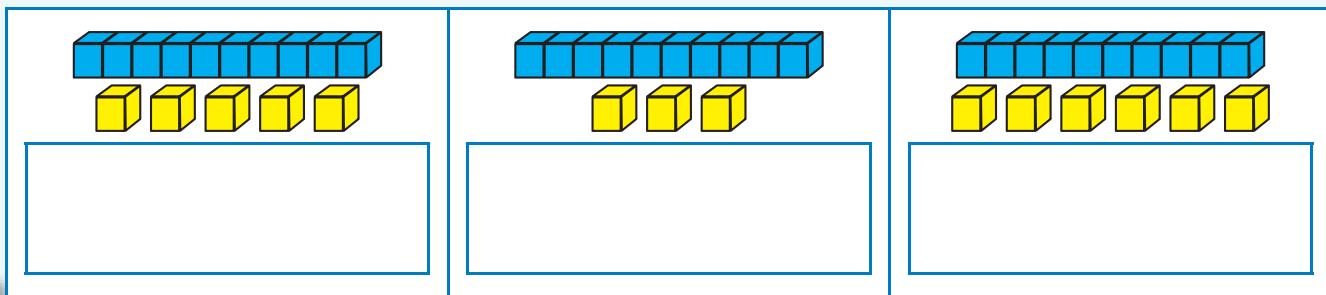


Yengeza amabhulokhi.

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



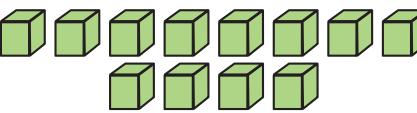
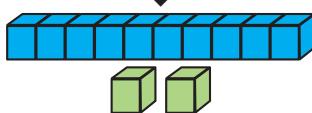
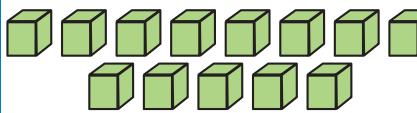
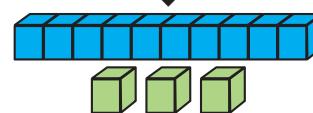
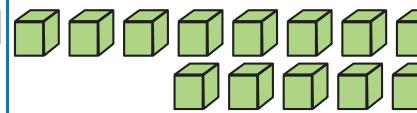
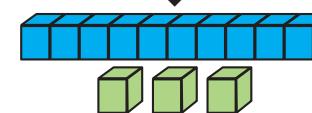
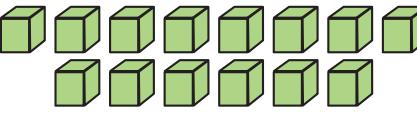
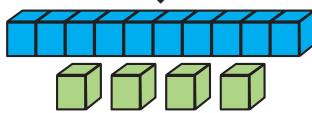
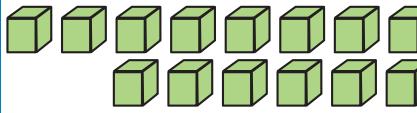
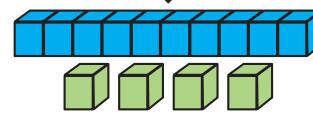
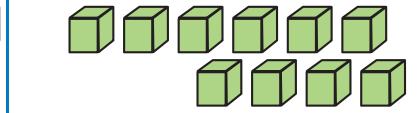
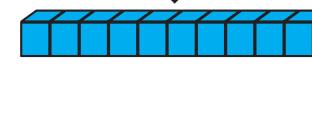
Bhala umusho wezinombolo ngalokhu:



0 1 2 3 4 5 6 7 8 9 10



Bhala umusho wezinombolo walokhu ngakunye:

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



Gicwala izinombolo ezingekho.

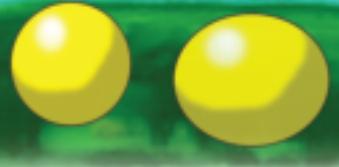
	+	14	=	17
q	+		=	20
12	+	8	=	
15	+		=	20
	+	6	=	13
14	+	3	=	0



Teacher:
Sign:
Date:



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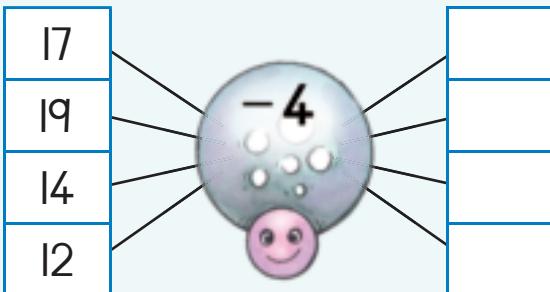


Ithemu 4

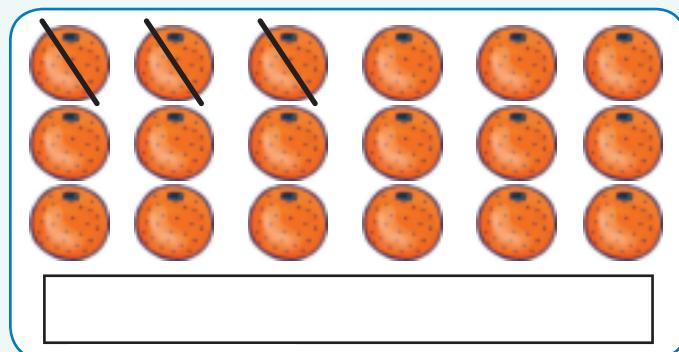
Ukususa



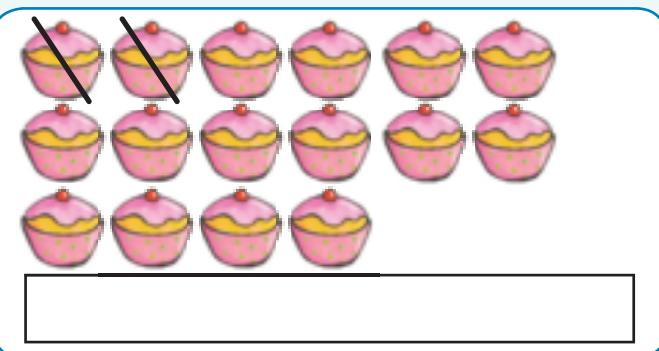
Bala.



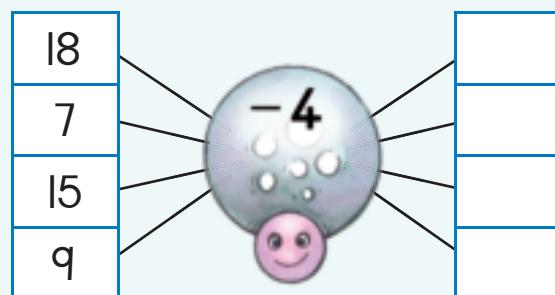
Bhala umusho wezinombolo.



Bhala umusho wezinombolo.



Bala.



Qedela izibalo usebenzisa umdwebo.



0

1

2

3

4

5

6

7

8

9

10



Susa amabhulokhi.

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



Bala lokhu
okulandelayo:

$11 + 7 = \boxed{}$ $11 + 4 + \boxed{} = \boxed{}$	$11 + 7 = \boxed{}$ $11 + 5 + \boxed{} = \boxed{}$
$19 - 7 = \boxed{}$ $19 - (5 + \boxed{}) = \boxed{}$	$17 - 9 = \boxed{}$ $17 - (7 + \boxed{}) = \boxed{}$



Bala lokhu okulandelayo:

Phinda kibili oku-
5 uzothola

Phinda kibili
okuyi-7 uzothola

Phinda kibili
okuyi-10 uzothola

Phinda kibili oku-
3 uzothola

Phinda kibili oku-
2 uzothola

Phinda kibili
okuyi-9 uzothola

Phinda kibili
oku-4 uzothola

Phinda kibili
okuyi-8 uzothola

Phinda kibili
oku-1 uzothola

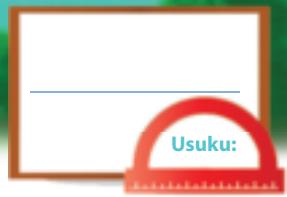


Nikeza
impendulo
yalokhu:

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



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Ithemu 4



Bala inani lamakati athamele ilanga.
Ebusuku amanye awo ayahamba ayolala emva kodonga.
Thola ukuthi mangaki asele emuva bese ubhala inani phansi.

$$3 + \boxed{\quad} = 8$$
$$4 + \boxed{\quad} = \boxed{\quad}$$


Xazulula lokhu okulandelayo.
Ungawenza umdwebo ukuze kube lula.



ULeta unamawolintshi ama-4. UPheza une-13 lamawolintshi.
Mangaki amawolintshi esewonke?

UMandla unamapensela ama-5. U-Amahle unamapensela ayi-8.
Ngubani onayingcosane kunomunye?



80

0

1

2

3

4

5

6

7

8

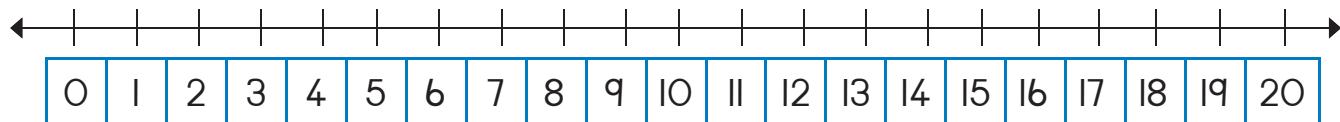
9

10

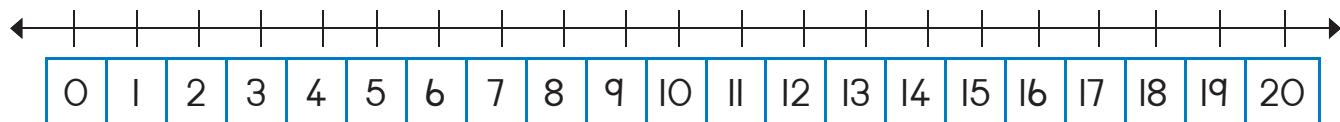


Sebenzisa umugqa wezinombolo ukuxazulula lokhu okulandelayo.

UThandi unezimabule eziyi-6 eziluhlaza okotshani, neziyi-9 eziluhlaza okwesibhakabhaka. Zingaki izimabule anazo sezizonke?

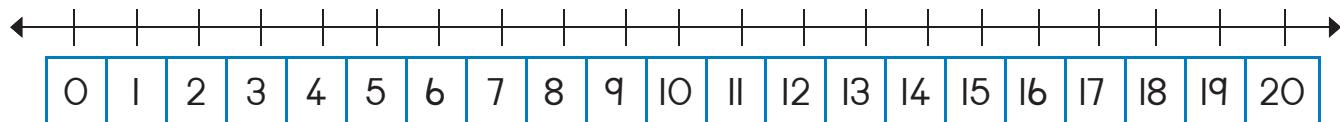


ULeta unezimabule eziyi-16. Eziyisi-8 ziluhlaza okotshana kanti ezinye ziluhlaza okwesibhakabhaka. Zingaki izimabule eziluhlaza okwesibhakabhaka?



UThandi unobhana abayi-19. UThemba unabayi-10.

Bangaki obhana uThandi anabo ukwedlula uThemba?



Yiziphi izinombolo eziphakathi kwama-25 nama-30?



Kokelezela inombolo enkulu ngoku-1 ema-76.

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



Kokelezela inombolo enkulu ngoku-2 ema-76.

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

11 12 13 14 15 16 17 18 19 20



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Ithemu 4



Ngubani ophume phambili emqhudelwaneni?
Bhala indlela anqobe ngayo ngezansi.

uSipho



uLeta



uJohane



uPheza



uMimi



Badwebe bemi
ephodiyamu.

Isiliva

Igolide

Ibronzi

Ngubani othole igolide? _____

Ngubani othole isiliva? _____



Dweba ubuhlalu kanje:

Ubuhlalu bokujala buluhlaza okwesibhakabhaka.
Obesibili ubuhlalu bubomvu.
Obesithathu buluhlaza okotshani.
Obesine buphuzi.
Obesihlanu buluhlaza okwesibhakabhaka.
Obesithupha bubomvu.
Obesikhombisa buluhlaza okotshani.
Obesishiyagalombili buphuzi.
Obesishiyagalolunye buluhlaza
okwesibhakabhaka.
Obeshumi bubomvu.

Ubuhlalu bami.



82

0

|

2

3

4

5

6

7

8

9

10



Buka ukulandelana kwalezi zimo.
Zikopishe ezindaweni ezifanele ethebhuleni.
Sikwenzele okokuqala.



Yisiphi isimo:

esingesesine		esingesesikhombisa	
esingesesihlanu		esingesesishiyagalolunye	
esingesesibili		esingesokugcina	
esingesesithathu		esingesesithupha	



Yenza lokhu okulandelayo:



Faka umbala obomvu esiyjingini sokuqala.



Faka umbala ophuzi esiyjingini sesihlanu.



Faka umbala oluhlaza okwesibhakabhaka esiyjingini sesishiyagalombili.

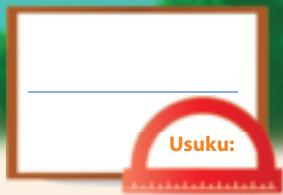
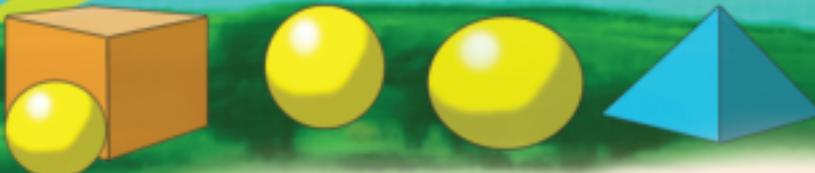


Dweba umugqa wezinombolo ezingama -10 kuya ema -20.

Kokelezela inombolo yesithathu kanye neyesishiyagalombili.



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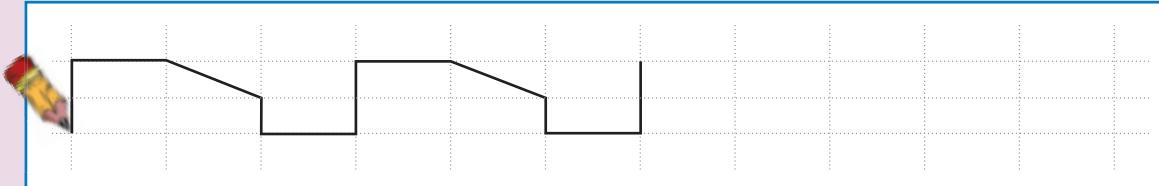


Ithemu 4

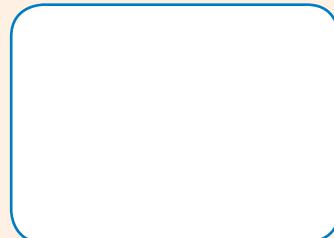
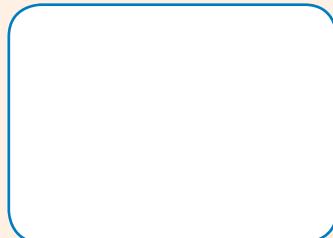
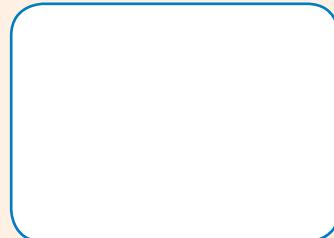
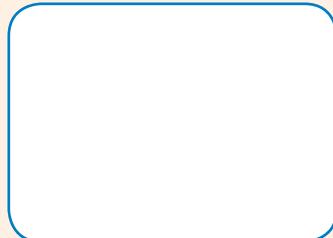
Izinto nezimo

Ukubuyekeza:

Ukubuyekeza: Qedela iphethini.



Thola izithombe ezimbili zebhola nezimbili zebhokisi ephephandabeni noma ephephabhukwini uzibeke ngezansi.



Dweba isiyangi esiluhlaza okwesibhakabhaka ukokelezele izinto ezishibilikayo.
Dweba isikwele esibomvu ukokelezele izinto ezigingqikayo.





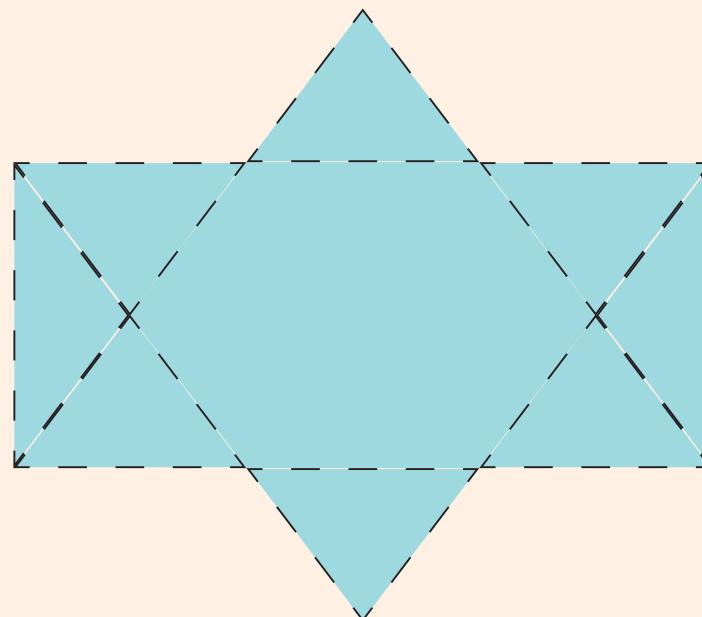
Bhala phezu kwegama bese udweba le nto.

ibhokisi

ibhola



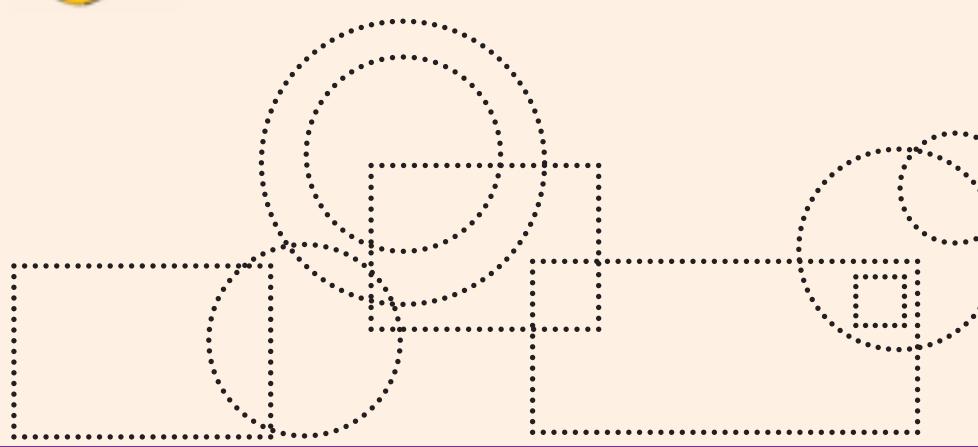
Bala bonke onxantathu bese ubhala inombolo.



Impendulo:



Bala izimo.



Iziyingi



Izikwele



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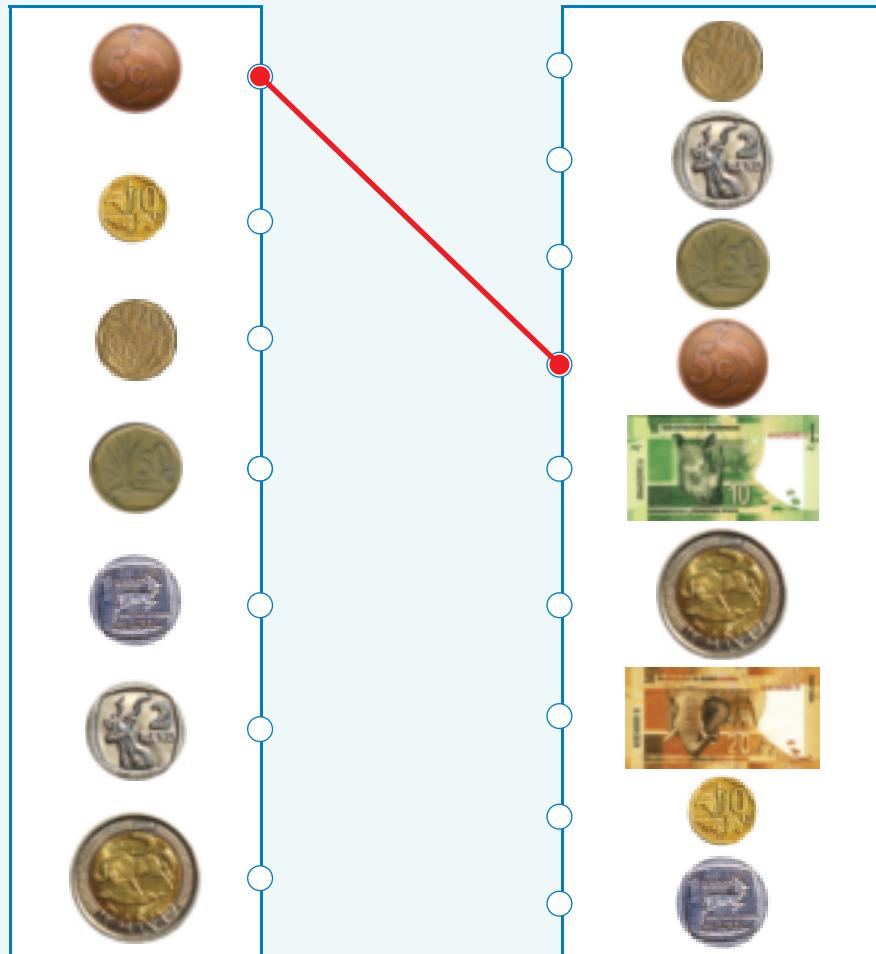
Ithemu 4

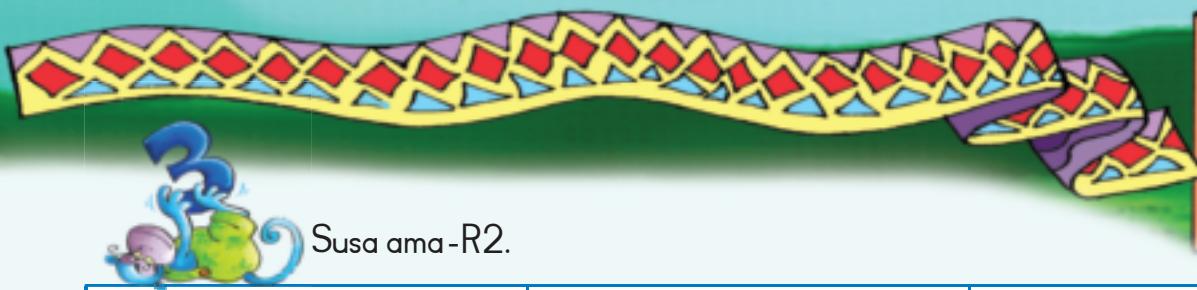


Yiziphi
izinhlamvu zemali
ongaziqondanisa?



Thikha imali eyizinhlamvu kanye nengamaphepha ebhulokhini ngalinye
elinemali ezokunika la manani alandelayo:





Susa ama-R2.



$RI2 - R2 = RIO$		



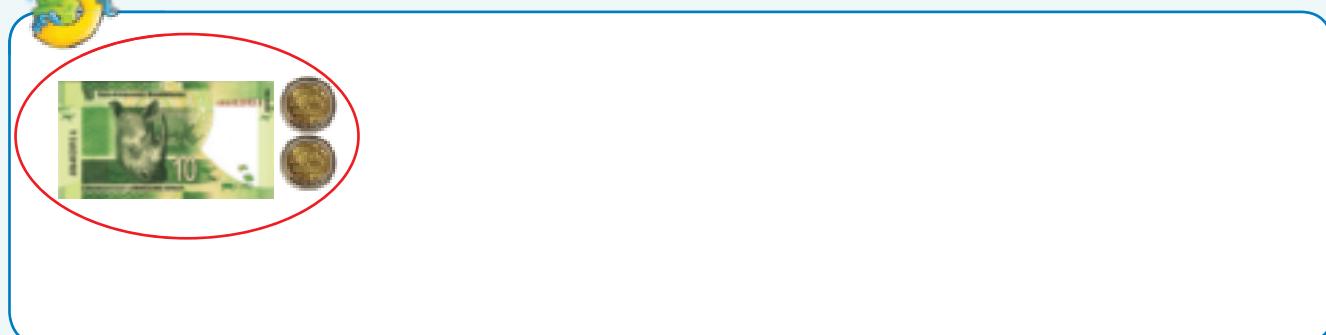
Susa ama-R5.

$RI5 - R5 = RIO$		



Zingaki izinhlobo zemidwebo ongazenza ukuthola ama-R20?

Sikwenzele okokuqala.



Kokelezela uhlamu
lwemali emgqeni ngamunye
ongathenga okuningi ngalo.



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Date:



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Ithemu 4

Okunye ngemali

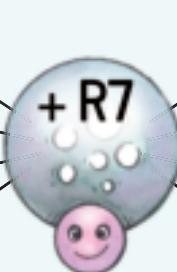


Bala.

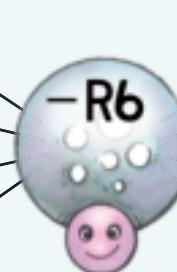


Bala.

R5
R9
R7
R4



RI3
RI5
RI7
RI4





Gcwalisa impendulo.



Yikuphi okuningi?
Kokelezela impendulo yakho.

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

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



Hlanganisa izinombolo uvundle ubuye wehle nazo bese ugcwalisa izimpendulo.

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

88

0

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Buka isibonelo
bese uqedela
okulandelayo.



UJakobe uthenge isinkwa
ngama-R8. Usikhokhele ngama-RIO
ayiphepha. Ubuyelwe wushintshi
wamalini?



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

Uthini umbuzo?

Bhala izinombolo.

Bhala isibalo bese usenza.



Umama kaBusi uthenge isigqoko
ngama-RI7. Ukhokhe ama-RIO
amabili angamaphepha. Ubuyelwe
wushintshi wamalini?



Usuku lukaJudi lokuzalwa
lungeSonto. Uphiwe ama-R5
ngudadewabo, ama-R2 ngumfowabo
kanye nama-RIO awaphiwe
ngumzala. Uthole malini seyiyonke?

Uthini umbuzo?

Bhala izinombolo.

Bhala isibalo bese usenza.

Uthini umbuzo?

Bhala izinombolo.

Bhala isibalo bese usenza.



10q

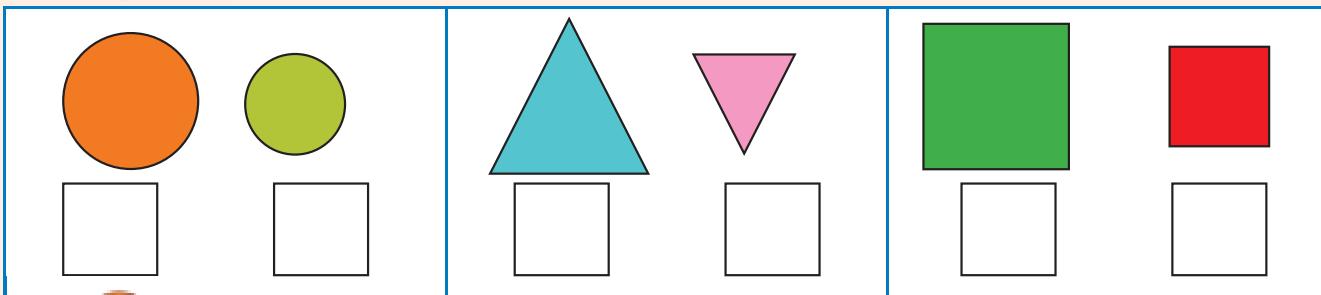


Ithemu 4

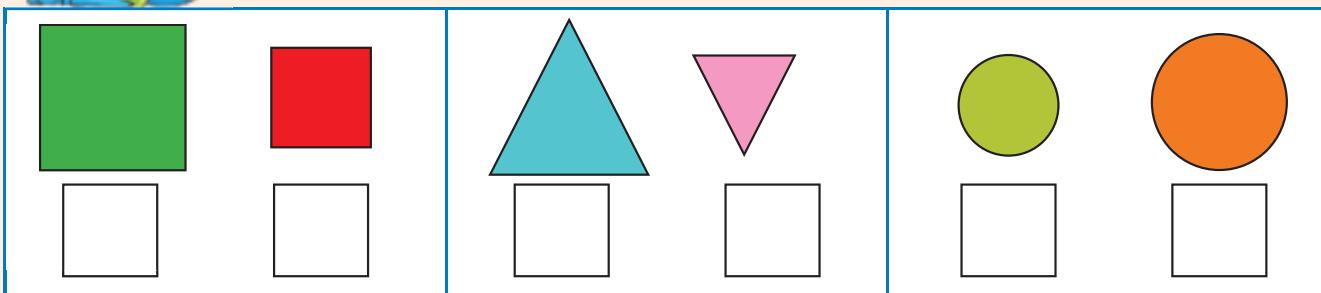


Izimo ezingonhlangothi - mbili

Beka uphawu lokuthikha esimeni esincane kunazo zonke ebhulokhini.

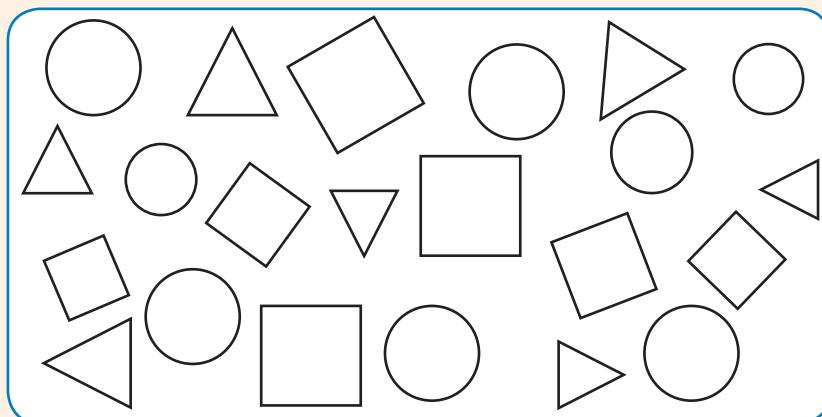


Beka uphawu lokuthikha esimeni esikhulu kunazo zonke ebhulokhini.

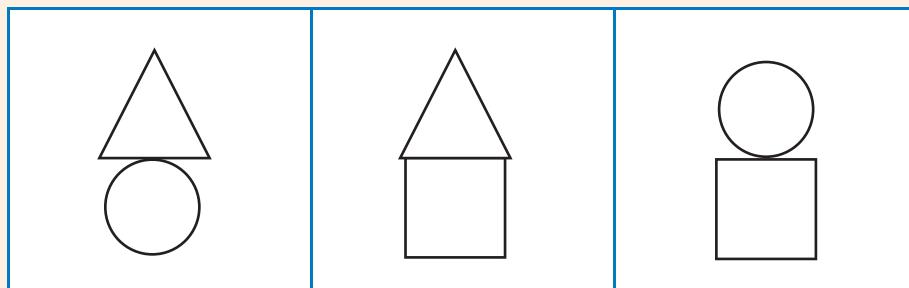


Faka umbala kukho konke lokhu:

- izikwele zibe luhlaza okwesibhakabhaka
- onxantathu babe bomvu
- iziyingga zibe luhlaza okotshani



Yenza isithombe usebenzisa izimo. Sikuqalele isithombe ngasinye ngezimo ezi - 2.



90

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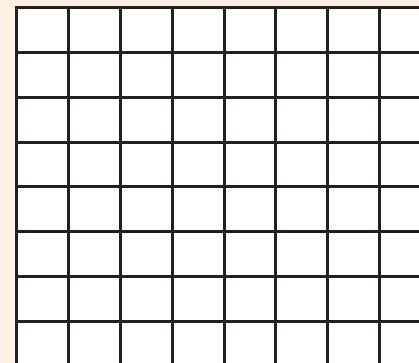
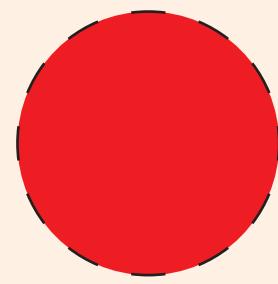
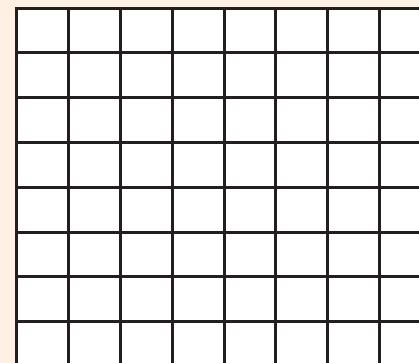
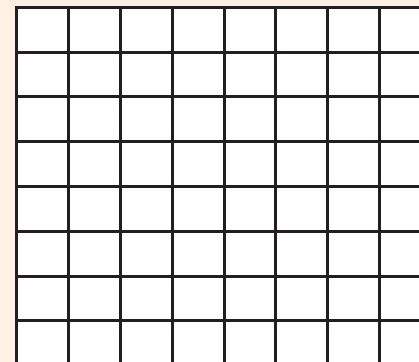
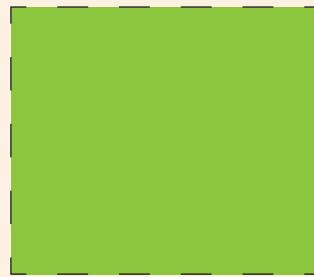
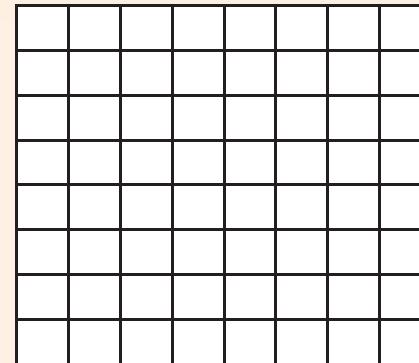
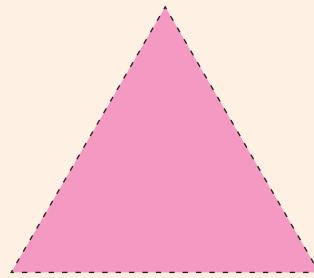
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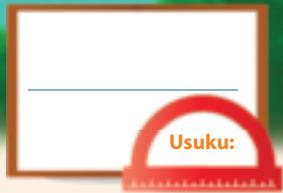
Dweba izimo ezikugridi.
Sebenzisa izikwele ezincane.



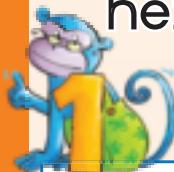
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Date:



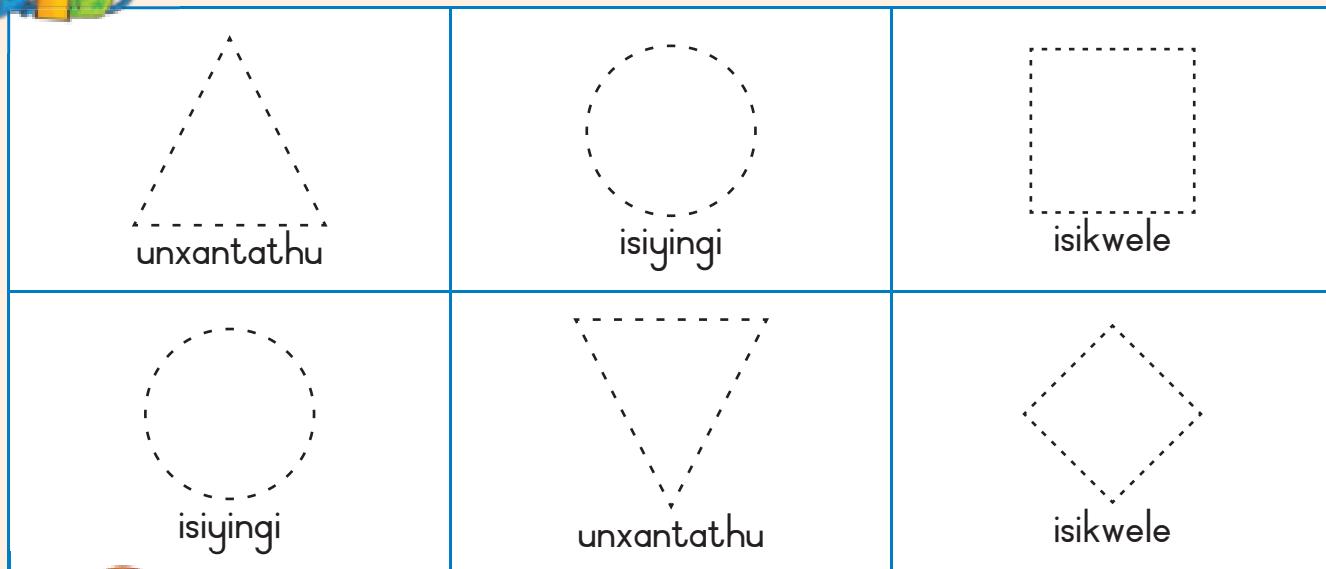
110



Ithemu 4



Bhala phezulu kwalezi zimo.



Beka uphawu lokuthikha usho ukuthi isimo sinezhlangothi eziqondile noma ezigobile yini.



Dweba isimo esinalokhu:



92

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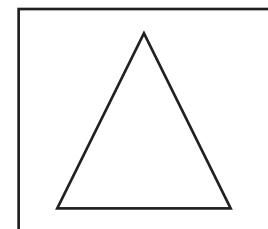
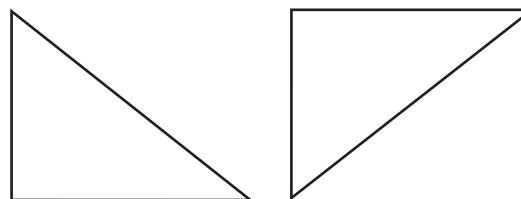
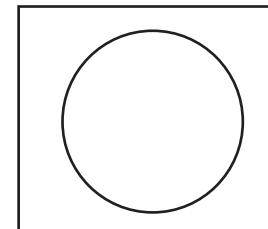
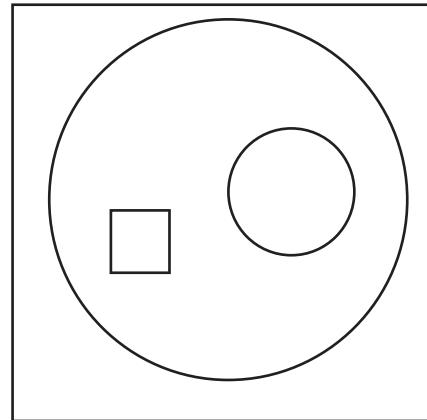
8

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Bala inani leziydingi, izikwele kanye nawonxantathu.



Iziydingi

Isikwele

Unxantathu



Thola isithombe ephephabhukwini sibe nalokhu:

izinhlangothi eziyindilinga

izinhlangothi eziqondile



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Date:

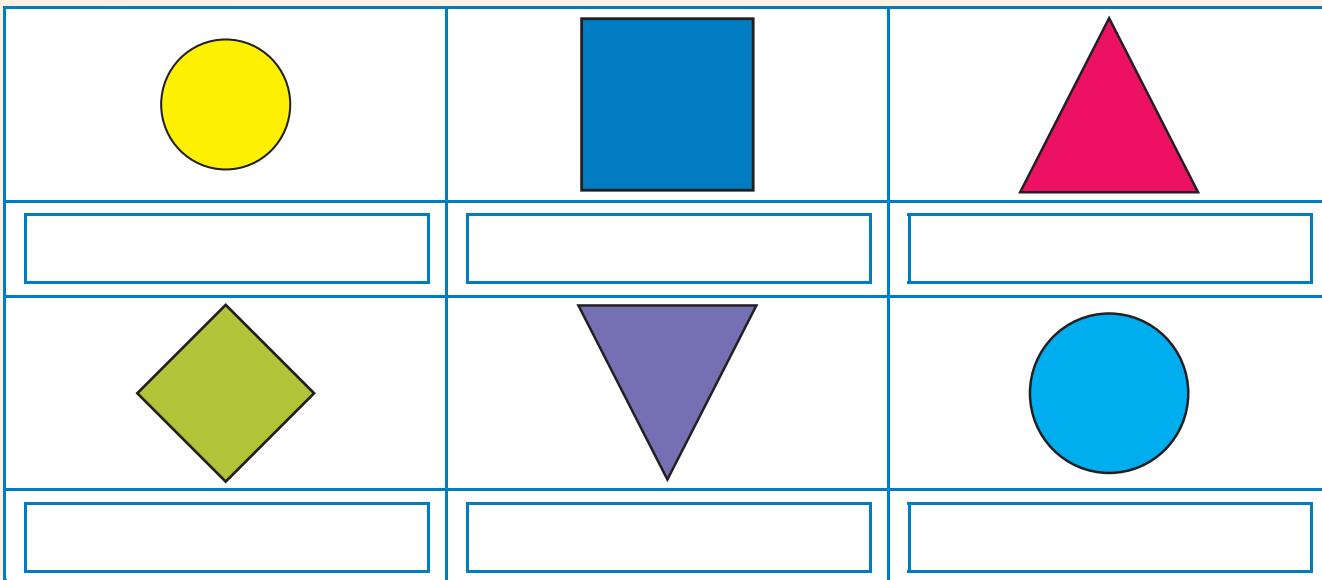




Ithemu 4



Nikeza amagama alezi zimo:



Dweba isithombe sakho usebenzisa iziyungi, onxantathu kanye nezikwele.



94

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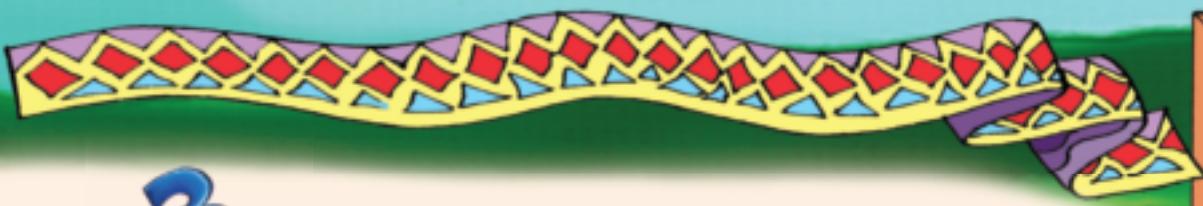
6

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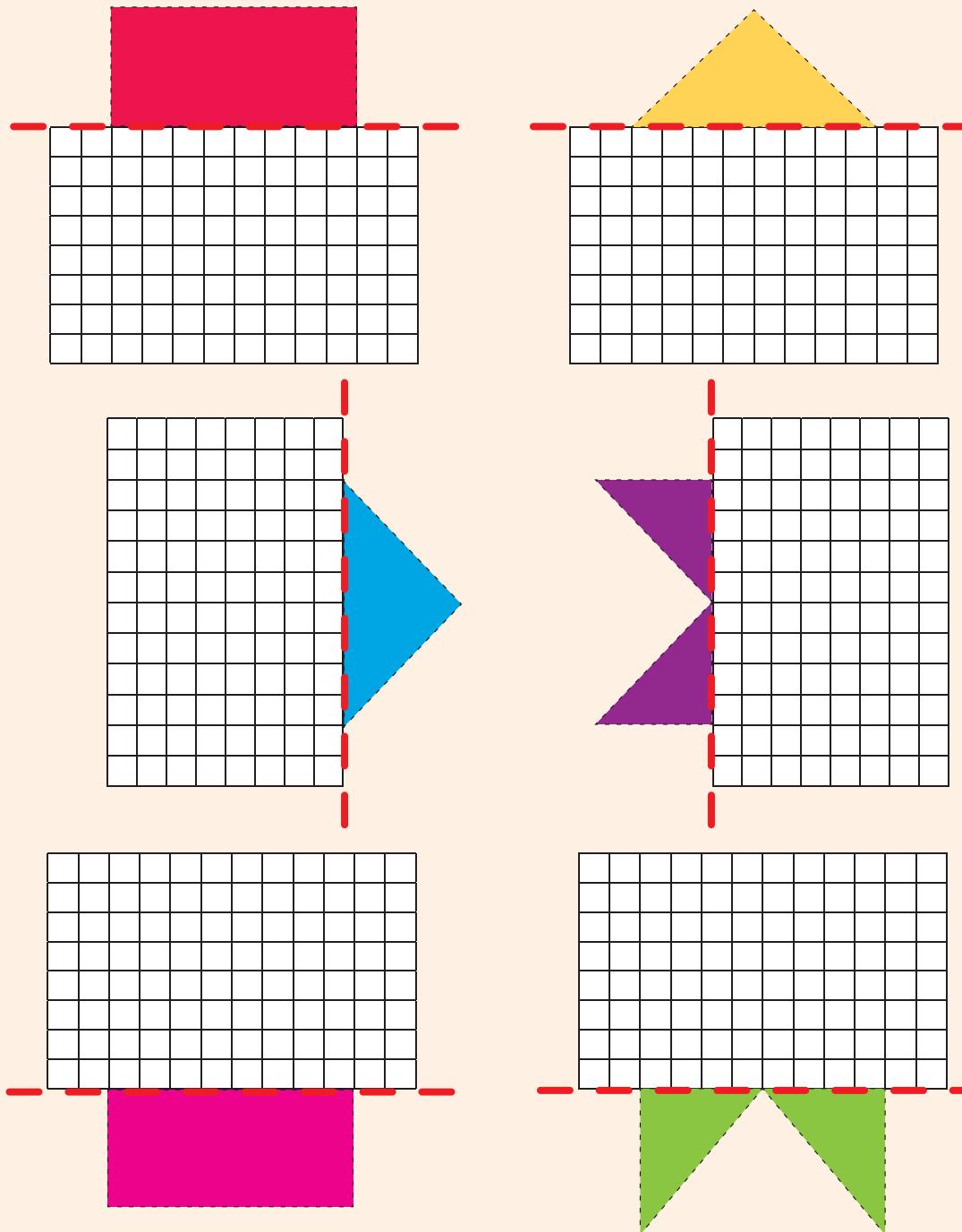
8

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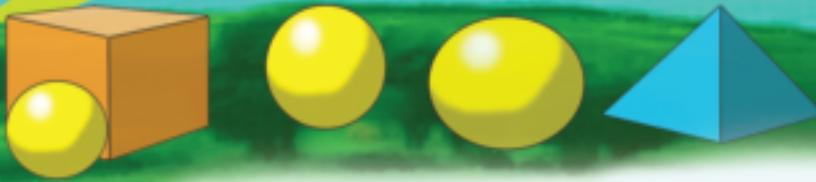
Dweba omunye uhhafu wesimo ngasinye.
Sebenzisa izikwele ezincane.



Zonke zinezinhlangothi eziqondile eziyindilinga.



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Ithemu 4



Dweba iziyangi uzenze amaqoqo okungakuhanu.
Mangaki amaqoqo okungakuhanu onawo?

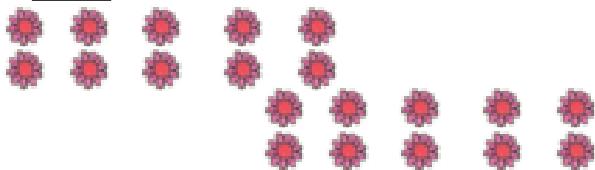
Iqoqo eli - elinokungaku-5



amaqoqo anokungaku-5



amaqoqo anokungaku-5



amaqoqo anokungaku-5



Bala inani leminwe. Bhala phansi impendulo yakho.



$$5 + 5 + 5 =$$



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



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



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



96

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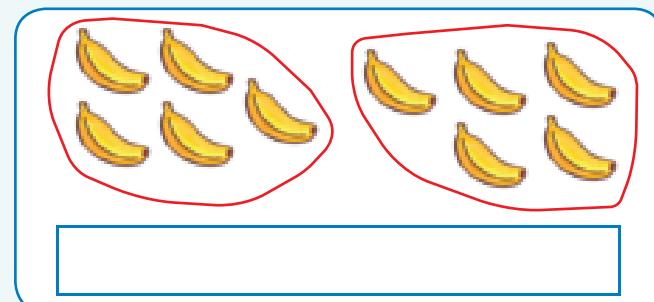
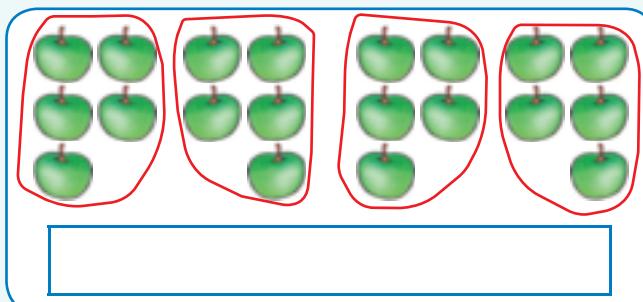
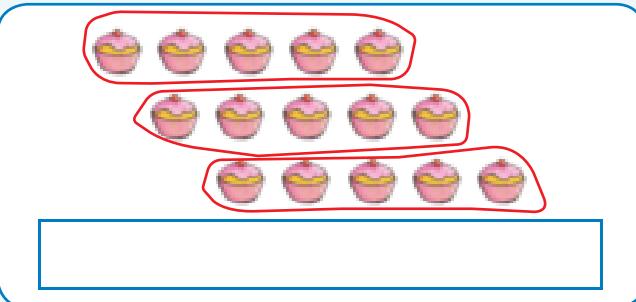
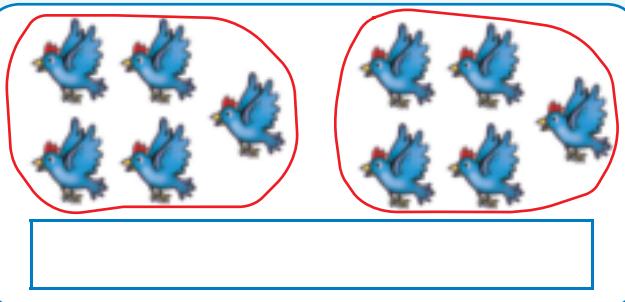
8

9

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Bhala umusho wezinombolo walokhu ngakunye:



Phendula imibuzo.



Zingaki izinhlamvu
zama - 5c ozibonayo?

Zibhale zibe wumusho
wezinombolo:



Gcwalisa izinombolo ezingekho.

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



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II3

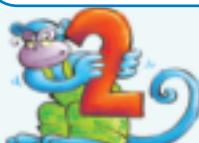
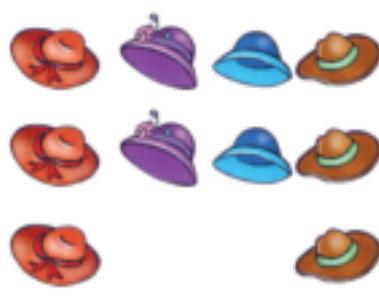
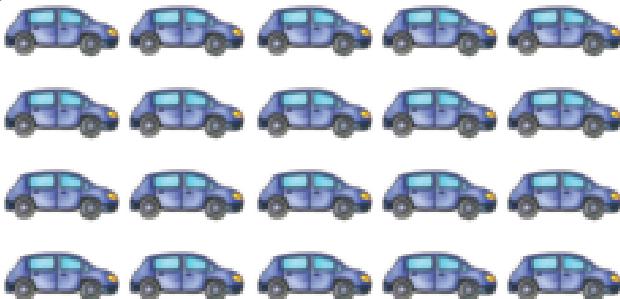


Okungakuhlanu – ukuhlanganisa okuphindaphindiwe okufinyelela ema-20

Ithemu 4



Yenza amaqoqo okungakuhlanu ubhale umusho wezinombolo ngawo.



Dweba amaqoqo ezimo ukukhombisa umusho wezinombolo.

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

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



98

0

1

2

3

4

5

6

7

8

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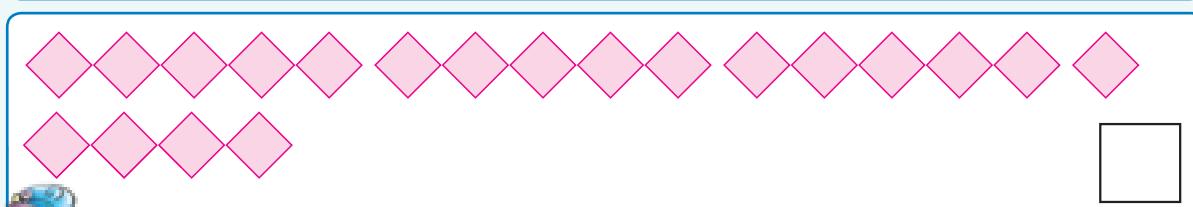
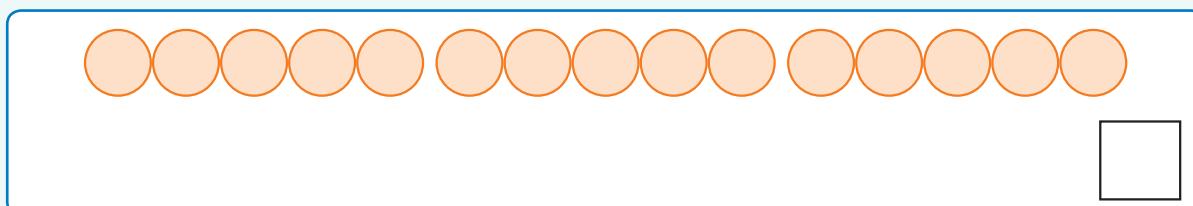
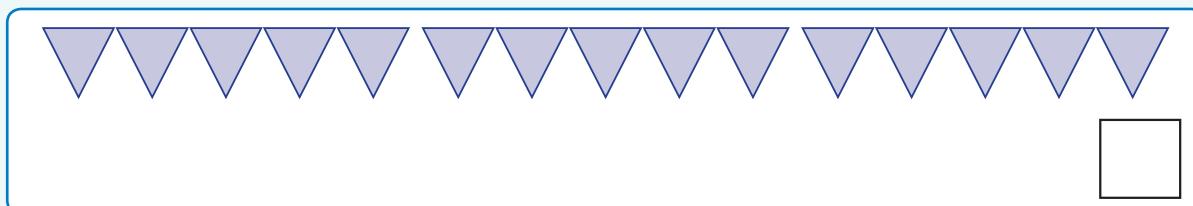
10



Bhala umusho wezinombolo walokhu ngakunye:



 $5 + 5 =$



Okuhlanu kuvela kangaki uma ubala izinombolo?

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



Kunezandla ezi-3 efasiteleni. Mingaki iminwe esefasiteleni?

Dweba isithombe ubhale ngaso umusho wezinombolo.



14

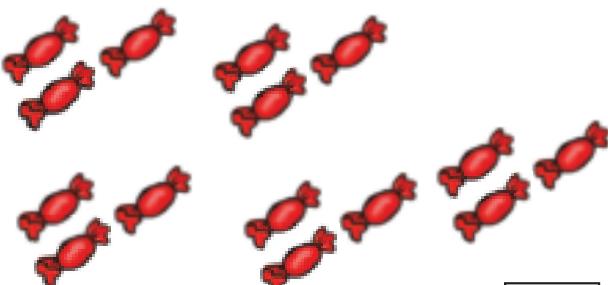


Ithemu 4

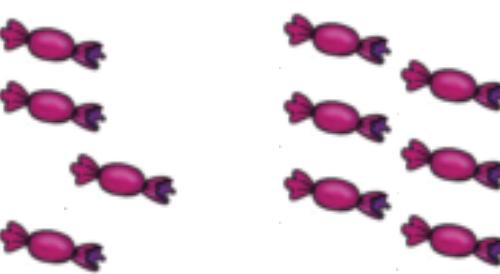


Ukwabelana okufinyelela ema - 20

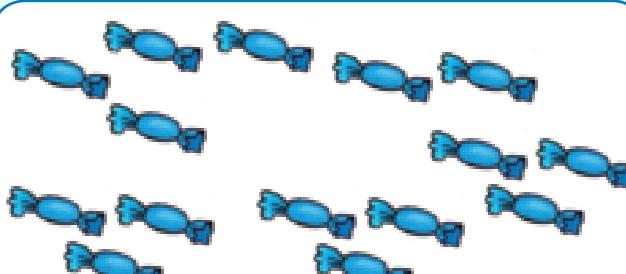
Yabela abangani abahlanu amaswidi.
Mangaki amaswidi azotholwa ngumngani ngamunye?



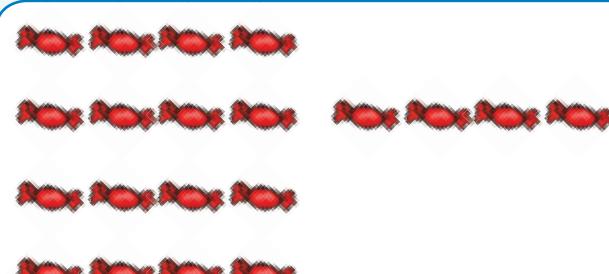
Umngani ngamunye uzothola
amaswidi a-



Umngani ngamunye uzothola
amaswidi a-



Umngani ngamunye uzothola
amaswidi a-



Umngani ngamunye uzothola
amaswidi a-

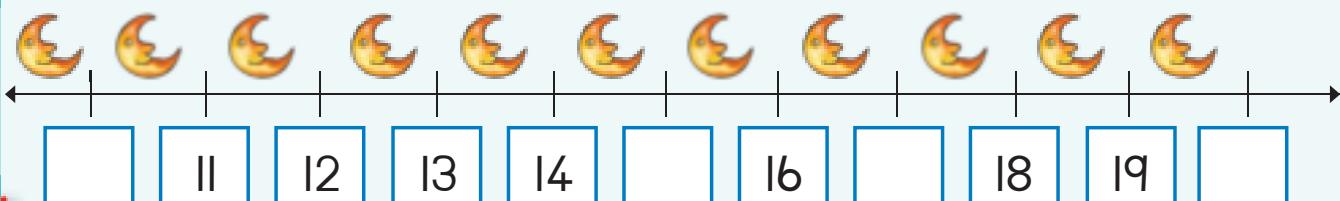


Faka umbala iziphindaphindi zokuhlanu.

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	20



Gewalisa izinombolo ezingekho.



100

0

1

2

3

4

5

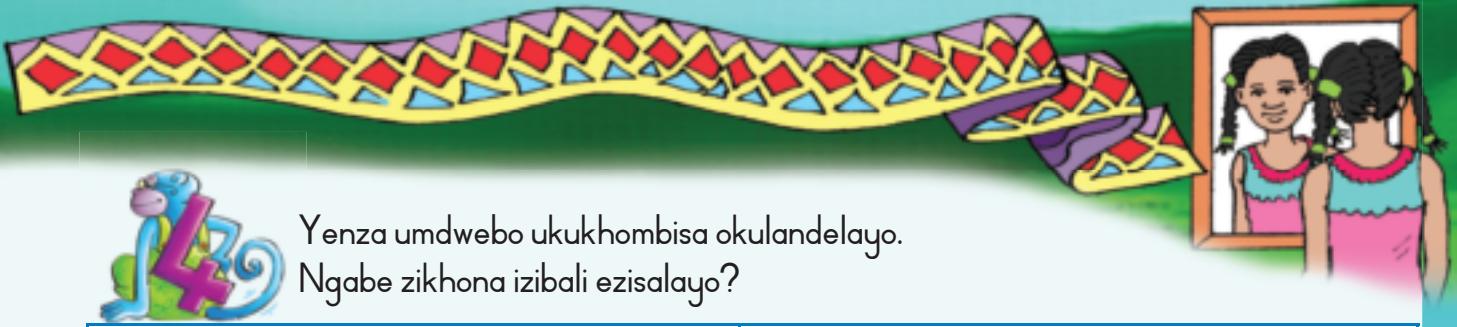
6

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Yenza umdwebo ukukhombisa okulandelayo.
Ngabe zikhona izibali ezisalayo?

Yabela abantwana abahlanu izibali eziyi -10.

Kusala izibali ezi - .

Yabela abantwana abahlanu izibali eziyi -6.

Kusala izibali ezi - .

Yabela abantwana abahlanu izibali eziyi -11.

Kusala izibali ezi - .

Yabela abantwana abahlanu izibali eziyi -16.

Kusala izibali ezi - .



Bhala umusho wezinombolo walokhu ngakunye:



$$5 + 5 =$$





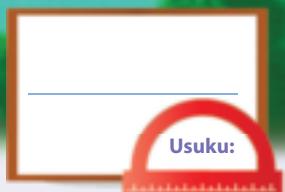




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Date: _____



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Ithemu 4



Qedela iphethini ngokufaka umbala ngeziphindaphindi zokuhlanu.

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



Dweba ihuphu ukukhombisa lokhu okulandelayo:

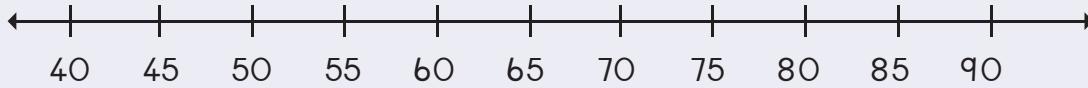
86, 88, 90



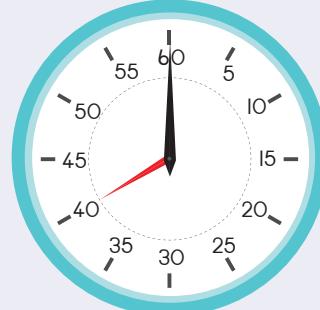
70, 75, 80



55, 60, 65, 70



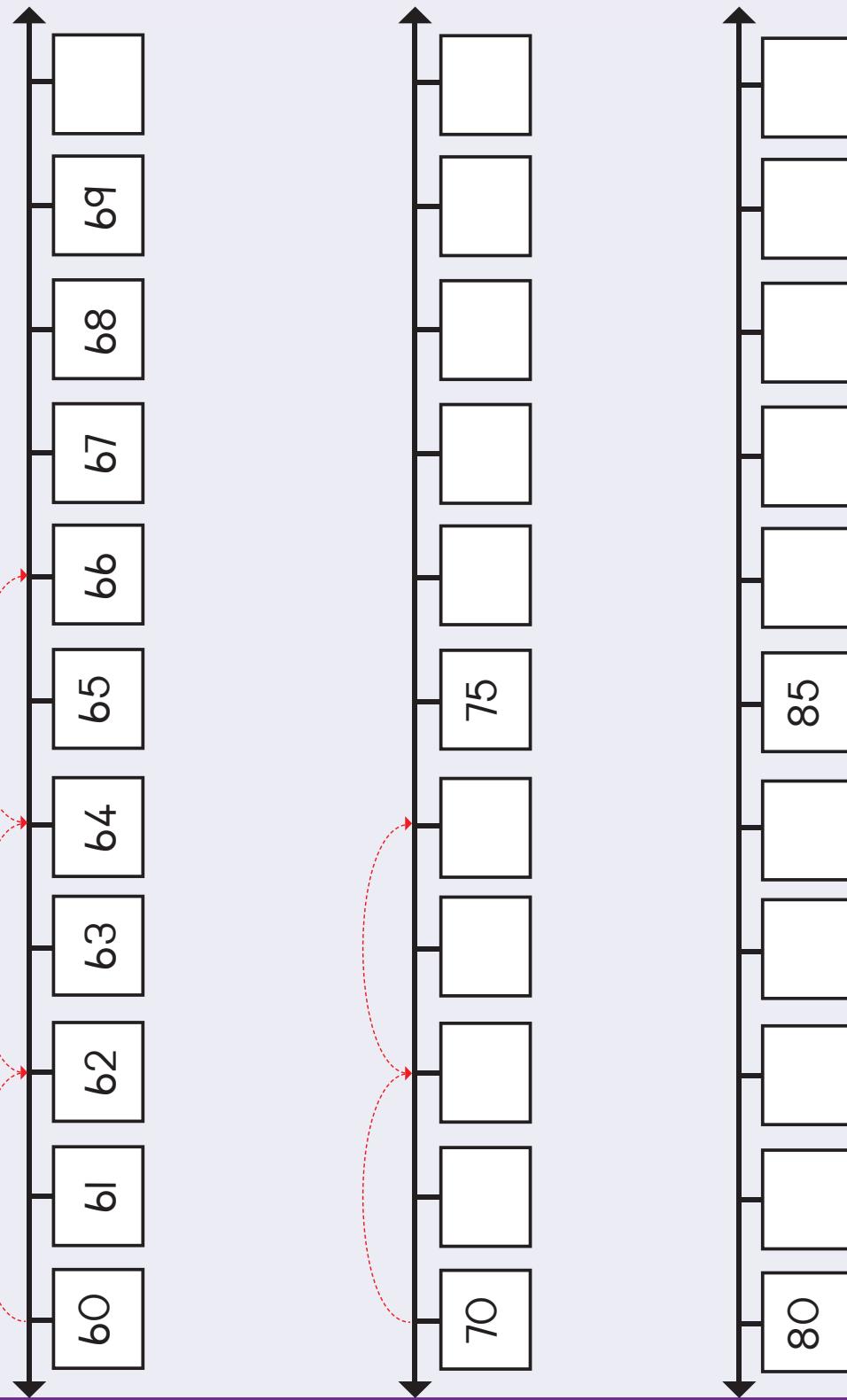
Sebenzisa iwashi ukukhombisa ukubala kwalo imizuzu ngamihlanu.



102 0 2 3 4 5 6 7 8 9 10



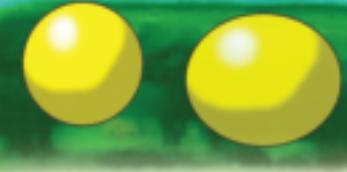
Beka izinombolo ezivela kokusikwayo kwesi - 2 ezindaweni
ezifanele lapho izinombolo zingekho khona kulo mugqa
wezinombolo, bese uqedela ihuphu.



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Sign:
Date:



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Ithemu 4



Qondanisa ingaphambili
lesilwane nengemuva
laso.

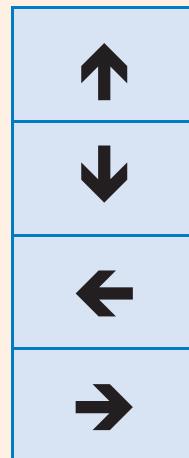
Ingaphambili



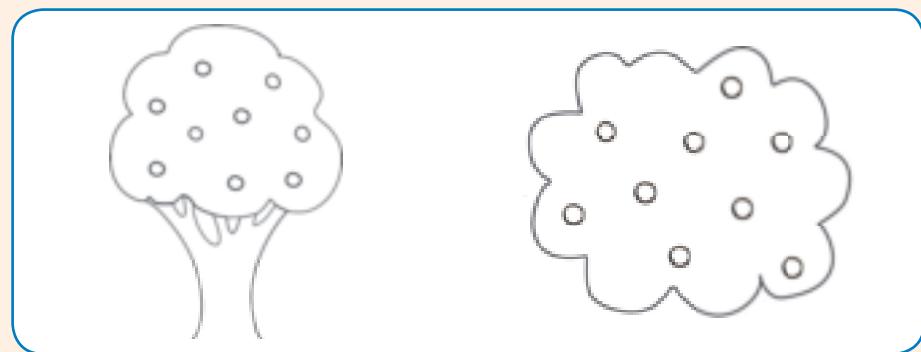
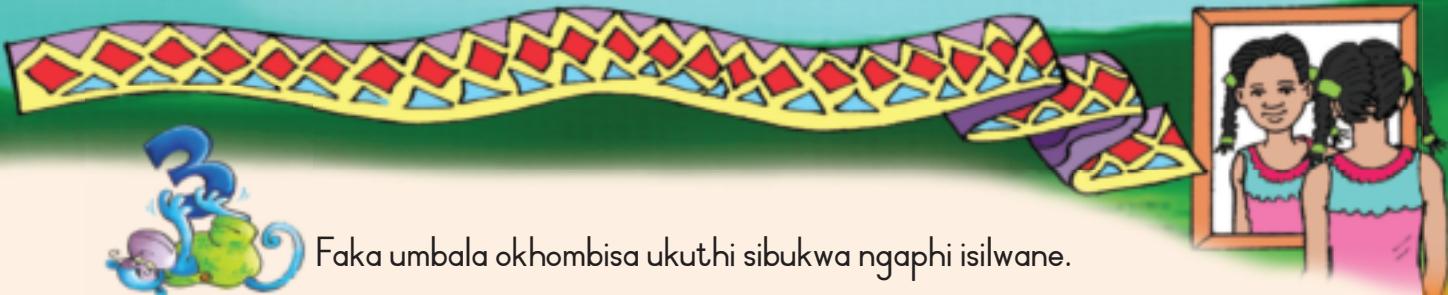
Ingemuva



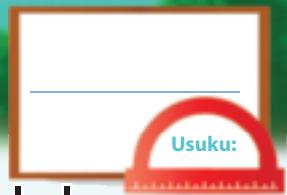
Kokelezela
umcibisholo ofana
nalo osendaweni
ehlikihliwe.



→	←	↑	↓
↑	↓	→	←
→	←	↑	↓
↑	←	↓	→



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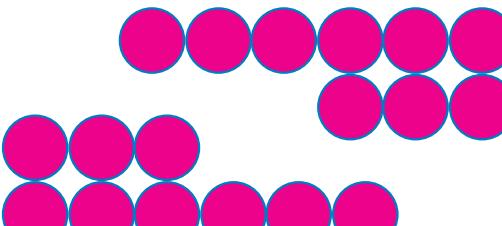
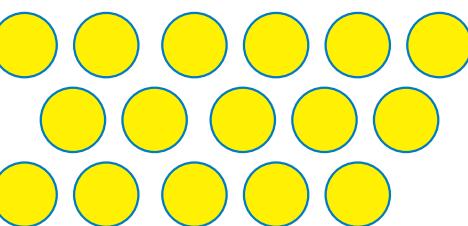
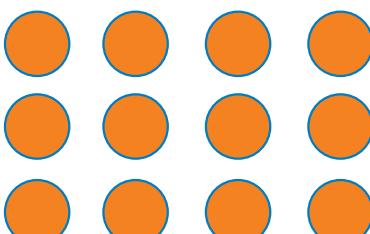
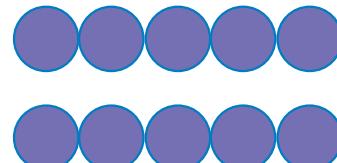
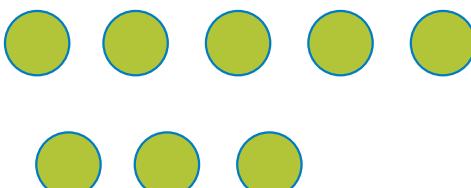
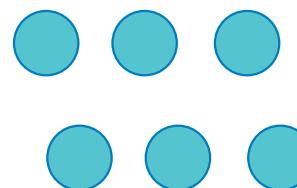


Ithemu 4

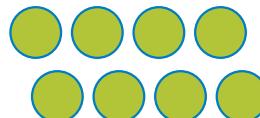
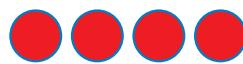
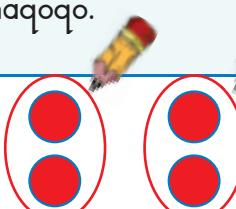


Amaqoqo anokungakubili kufinyelela ema - 20

Yenza amaqoqo anokungakubili. Bhala phansi inani lamaqoqo.



Yenza amaqoqo ezinto ezingambilii. Dweba amaqoqo.



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Phendula imibuzo.



Zingaki izinyoni?

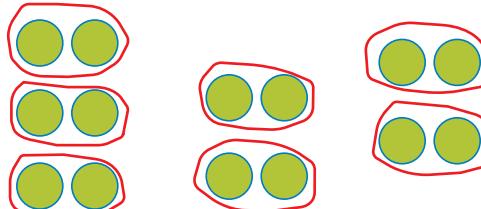
Mangaki amaqoqo ezinto
ezingambili ongawenza?

Bhala umusho wezinombolo.

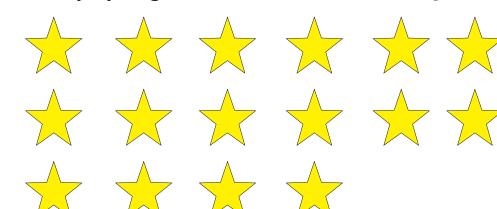


Dweba iziyangi
ukwenza lokhu
okulandelayo:

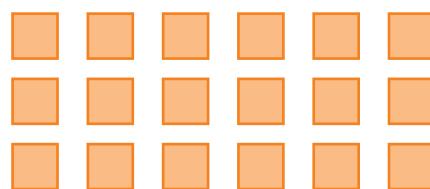
amaqoqo ayi - 7 ezinto ezhamba nga - 2



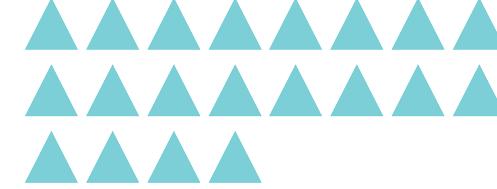
amaqoqo ayi - 8 ezinto ezhamba nga - 2



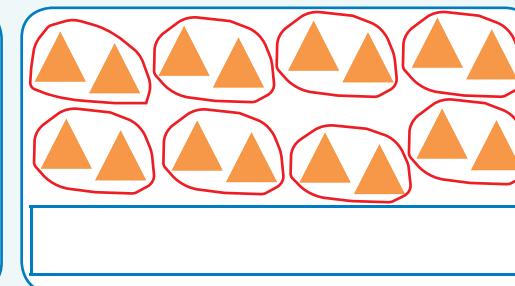
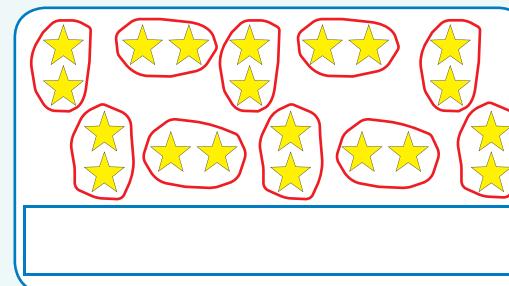
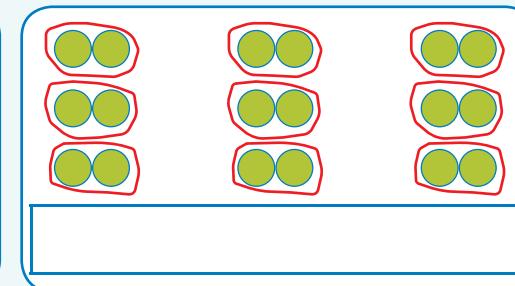
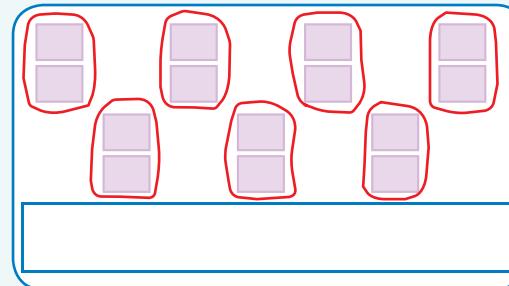
amaqoqo ayi - 9 ezinto ezhamba nga - 2



amaqoqo ayi - 10 ezinto ezhamba nga - 2



Bhala umusho
wezinombolo
ngalokhu:



Teacher:

Sign:

Date:

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118



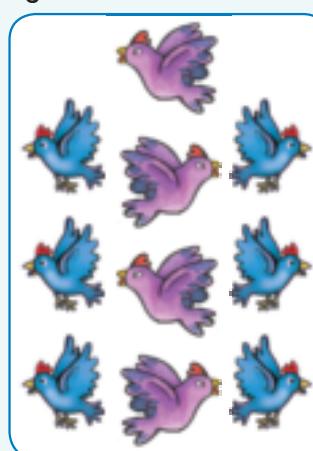
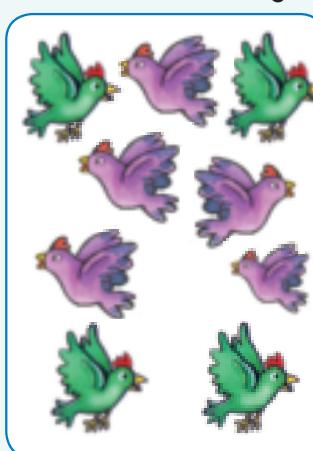
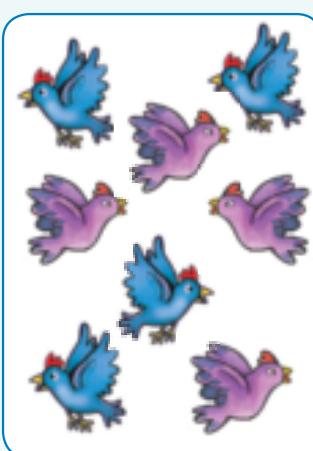
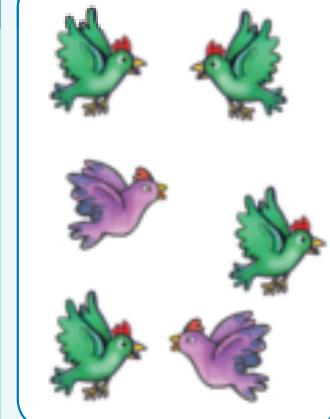
Okungakubili – ukuhlanganisa

okuphindaphindekayo kufinyelele ema - 20

Mingaki imilene? Bhala umusho wezinombolo walokhu ngakunye.

Ithemu 4

1





Dweba izimo zalokhu okulandelayo:

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



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



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



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



108

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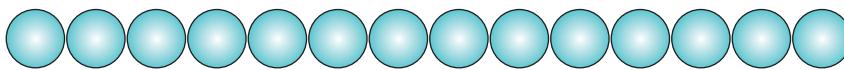
8

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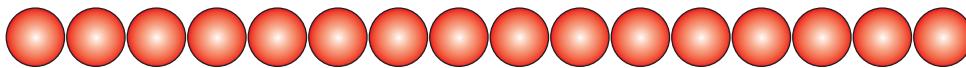
10

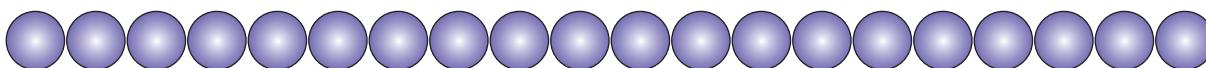


Bhala umusho wezinombolo ngalokhu:



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









Faka umbala eziphindaphindini zokubili.

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



Nginamaphakethe ayi - 6 anamaswidi ama - 2 ephaketheni ngalinye. Mangaki amaswidi enginawo esewonke? Dweba isithombe bese ubhala umusho wezinombolo.

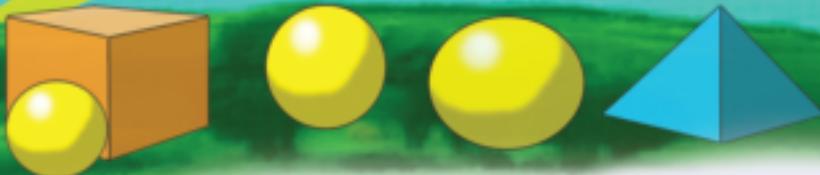


Nginamaswidi a - .

II 12 13 14 15 16 17 18 19 20



||q



Ithemu 4



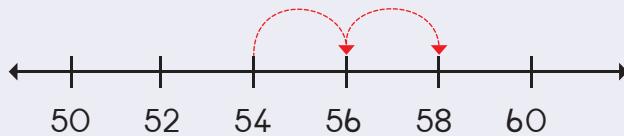
Qedela iphethini
ngokufaka
izinombolo umbala.



Dweba amahuphu ukukhombisa okulandelayo:

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

54, 56, 58



64, 66, 68



74, 76, 78



94, 96, 98

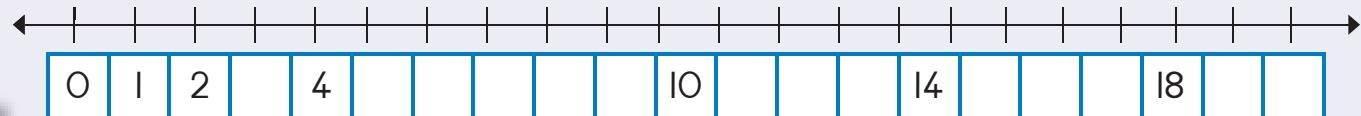


Gewalisa izinombolo ezingekho. Faka umbala iphethini lalokhu: 2, 4...

I			3				7			10
II							17			20



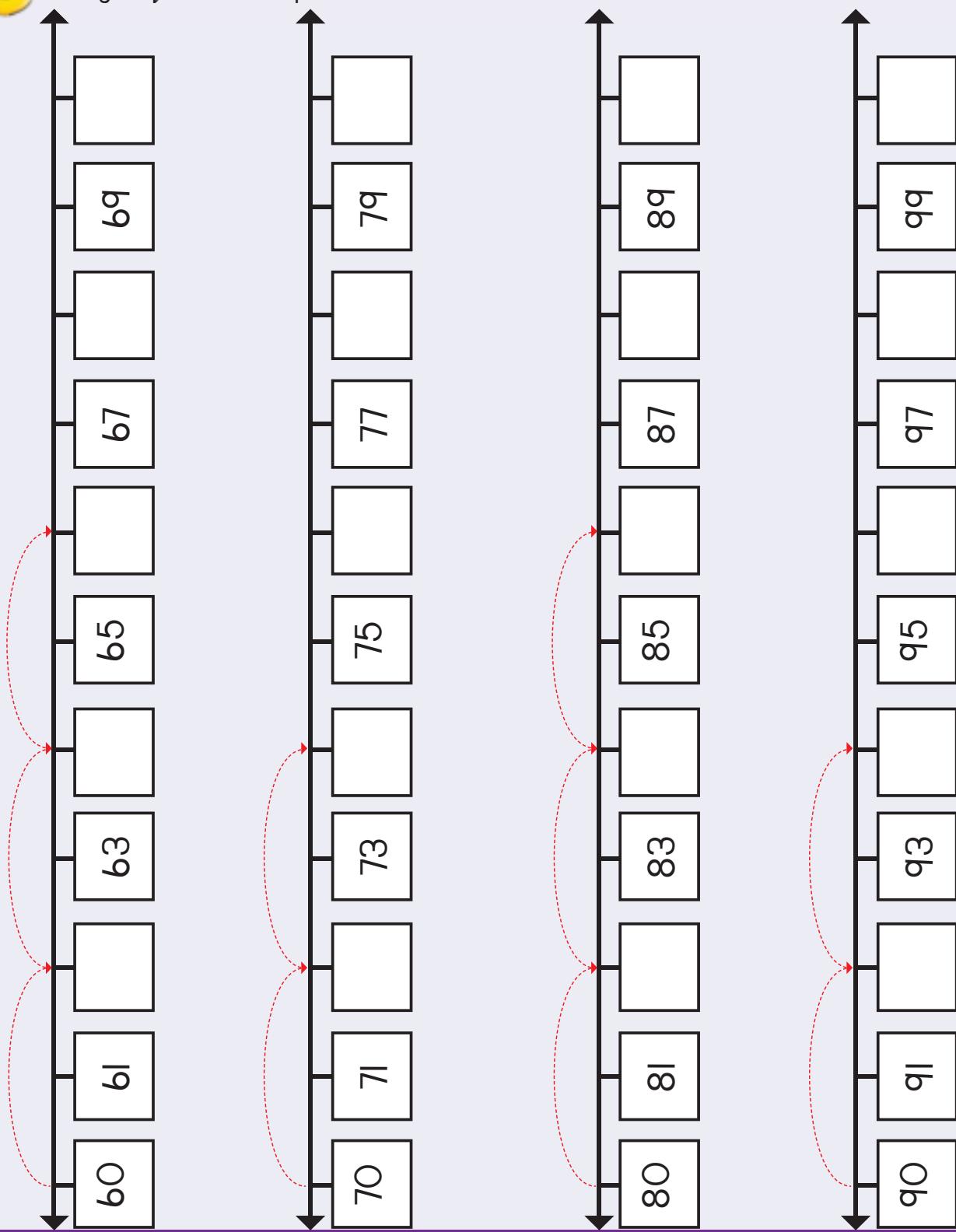
Qedela umugqa wezinombolo.



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



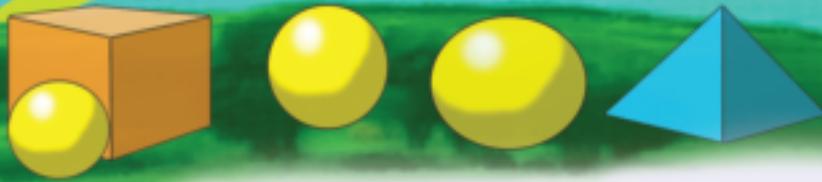
Sika izinombolo kulokhu Okusikwayo kwesi - 2 uzibek
emqqeni wezinombolo lapho zingekho khona izinombolo.
Buye uqedele amahuphu.



11 12 13 14 15 16 17 18 19 20



I20

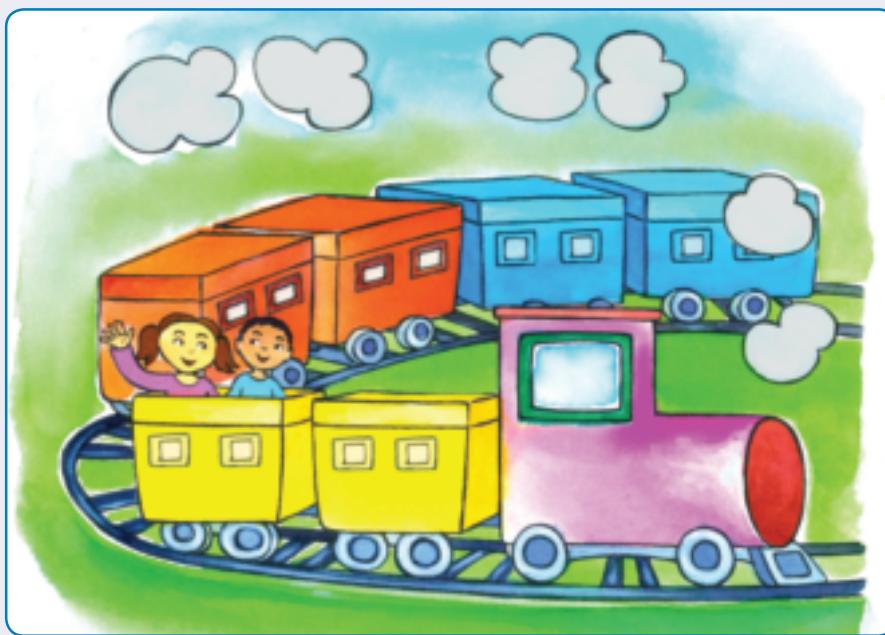


Ithemu 4



Amaphethini ezinombolo – okungakubili kufinyelele e-100

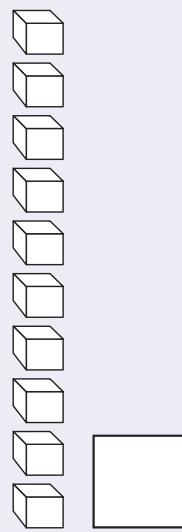
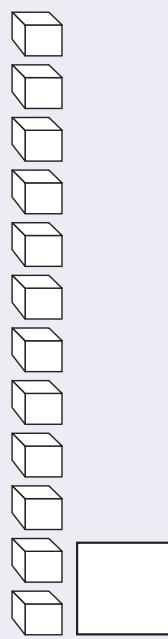
Akhona yini amaphethini owabonayo okungakubili?



Faka umbala emabhulokhini ukukhombisa amaqoqo okubili.
Bala uthole ukuthi amaqoqo mangaki.



4



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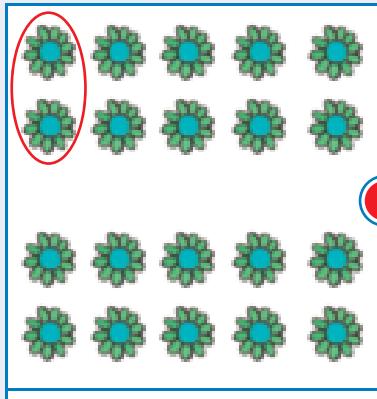
8

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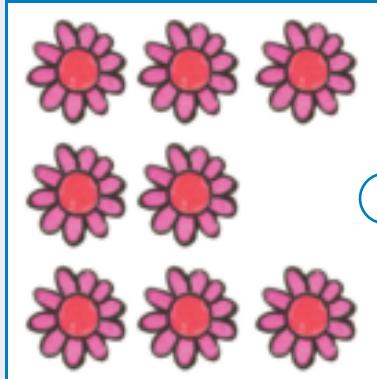
10



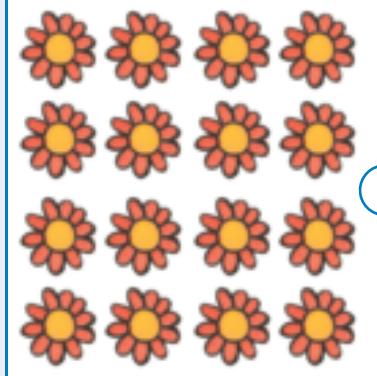
Qondanisa amaqoqo ezinto ezingambili nomusho
wezinombolo ngokudweba umugqa.



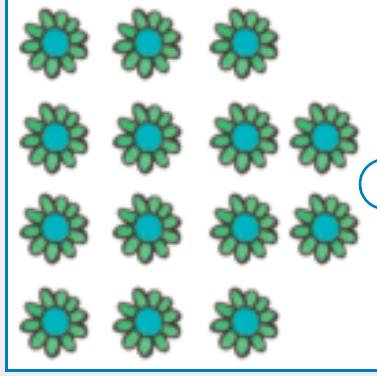
$$2 + 2 + 2 + 2 = 8$$



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



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



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



Teacher:
Sign:
Date:



I2I

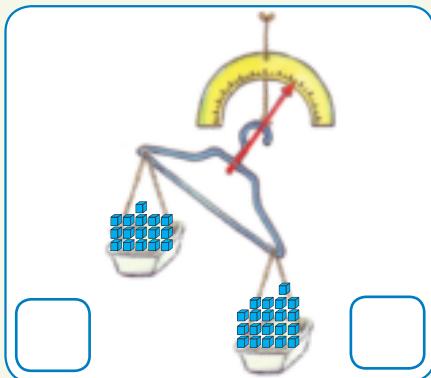
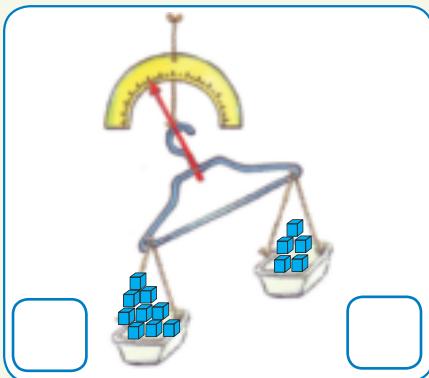
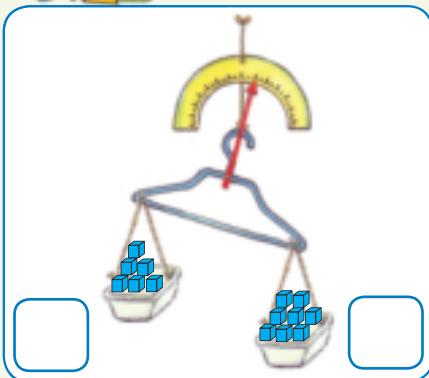


Ithemu 4

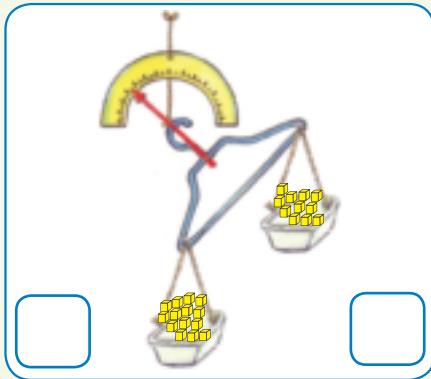
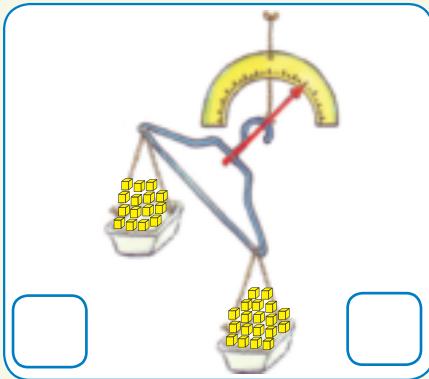
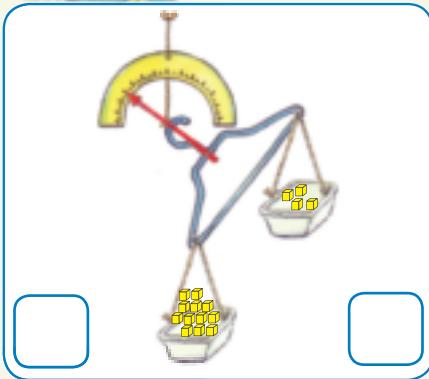
Isisindo



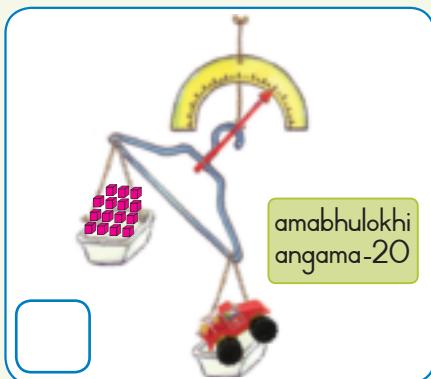
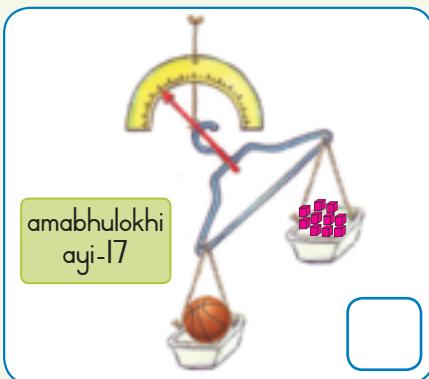
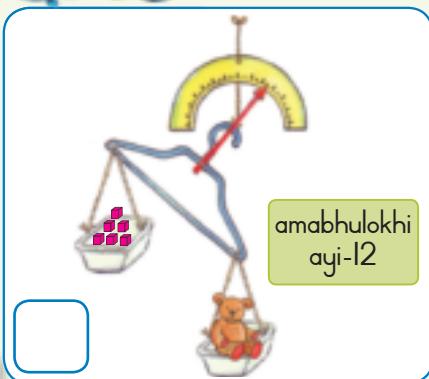
Bhala usho ukuthi mangaki amabhulokhi esiqukathini ngasinye.
Kokelezela isiqukathi esisinda kakhudlwana.



Bhala ukuthi mangaki amabhulokhi esiqukathini ngasinye.
Kokelezela isiqukathi esilulana.



Bala uthole ukuthi mangaki amabhulokhi. Manje thola ukuthi mangaki amanye amabhulokhi azokwengezwa ukuze ithoyisi likwazi ukusinda ngokulingana ngapha nangapha. Sizokutshela ukuthi ithoyisi linesindo esilingana amabhulokhi amangaki.



II4

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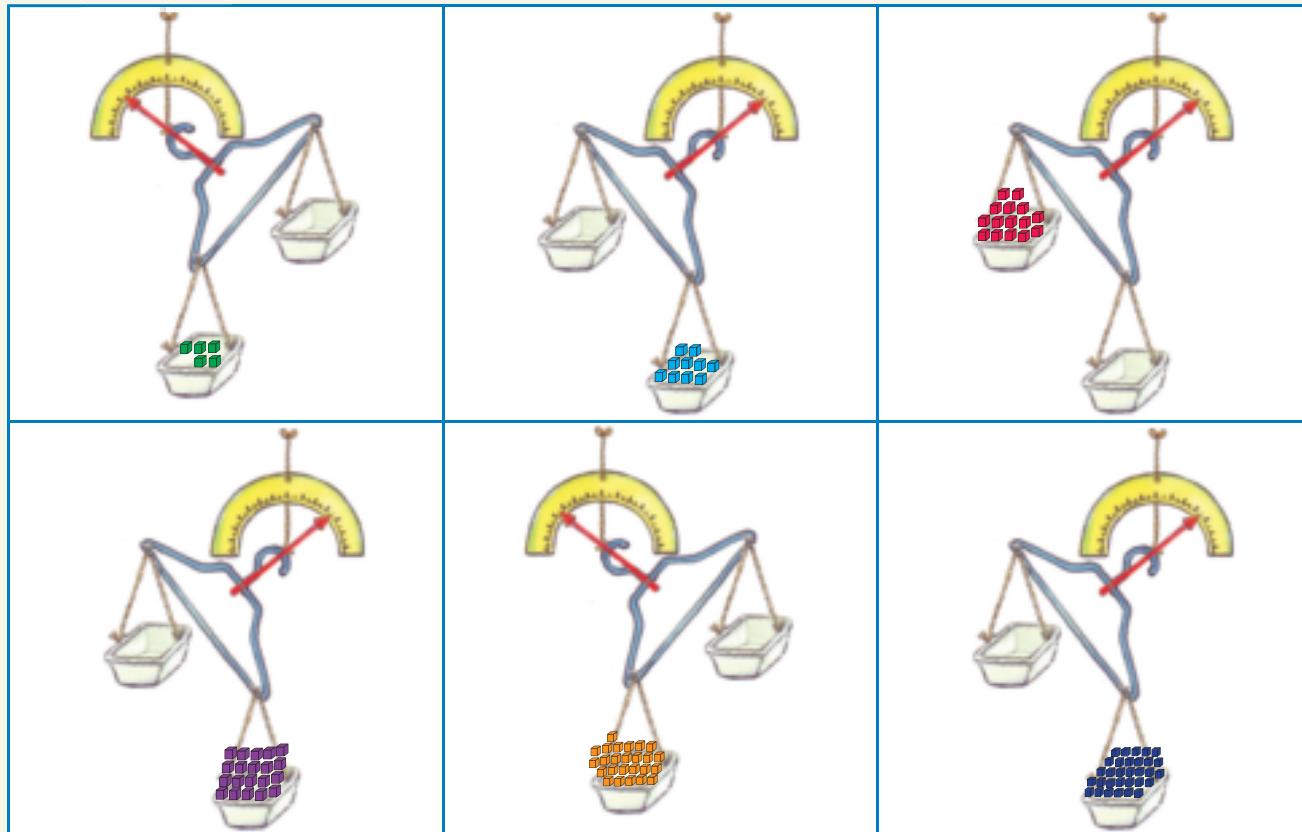
8

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Dweba into esinda kakhulu noma elula kakhulu
kunamabhulokhi.



Sebenzisa izinto ezi - 5 ongazithola edeskini lakho. Okokuqala hlawumbisela ukuthi
zisinda kangakanani bese uzbeka esikalini ukuthola ukuthi uhlawumbisele wasondela
kangakanani.

Dweba le nto	Qagela	Isisindo	Umahluko
	amabhulokhi a-____	amabhulokhi a-____	____ - ____ = ____



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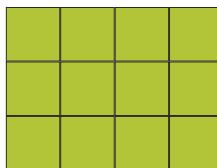


Ukuphinda kibili

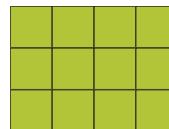
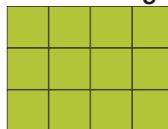


Phendula imibuzo?

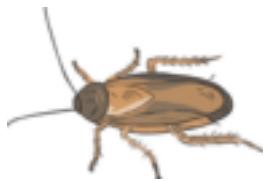
Kukhona izikwele ezingaki?



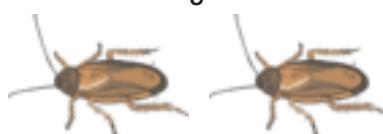
Zingaki izikwele manje?



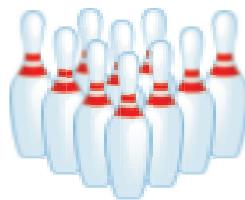
Kukhona imilenze emingaki?



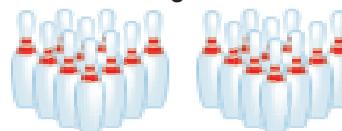
Mingaki imilenze manje?



Kunamaskitili amangaki?



Mangaki amaskitili manje?



Sithi phinda kibili okuyi - 10 uzothola

Zingaki izinsuku esontweni?

S	M	T	W	T	F	S

S	M	T	W	T	F	S

Zingaki izinsuku emasontweni amabili?

Sithi phinda kibili okuyi - 7 uzothola

Mangaki amakhrayoni?



Mangaki amakhrayoni manje?

Sithi phinda kibili okuyi - 8 uzothola



116

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Gcwalisa
impendulo.

Phinda kibili oku-4	=	8
Phinda kibili okuyi-10	=	
Phinda kibili okuyi-II	=	
Phinda kibili oku-2	=	
Phinda kibili okuyi-6	=	



Gcwalisa impendulo.

Phinda kibili okubili uzothola	okune
Phinda kibili okuthathu uzothola	
Phinda kibili okune uzothola	
Phinda kibili okuhlanu uzothola	
Phinda kibili okuyisithupha uzothola	
Phinda kibili okuyisikhombisa uzothola	



Qedela ithebhula.

$9 + 9 + 1 =$	<input type="text"/>	noma	Phinda kibili $9 + 1 =$	<input type="text"/>
	<input type="text"/>	noma	Phinda kibili $8 + 1 =$	<input type="text"/>
$10 + 10 + 1 =$	<input type="text"/>	noma		<input type="text"/>
$7 + 7 + 1 =$	<input type="text"/>	noma	Phinda kibili $7 + 1 =$	<input type="text"/>



Teacher:
Sign:
Date:



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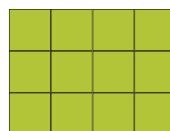
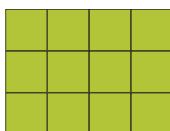


Ukuhhafula

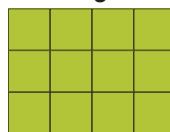


Nikeza impendulo yalokhu okulandelayo:

Zingaki izikwele?



Zingaki izikwele manje?

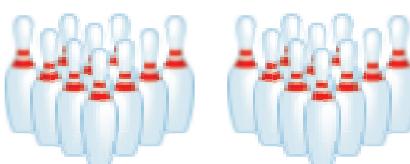


Sithi uhafu wokungama - 24 ngokuyi - 12.

Mingaki imilenze?



Mangaki amaskitili?



Mangaki amaskitili manje?



Sithi uhafu wokungama - 20 ngoku -

Zingaki izinsuku emasontweni
amabili?

S	M	T	W	T	F	S

Zingaki izinsuku zesonto?

S	M	T	W	T	F	S

Sithi uhafu wokuyi - 14 ngoku -

Mangaki amakhayoni?



Mangaki amakhayoni manje?



Sithi uhafu wokuyi - 16 ngoku -



Gcwalisa
impendulo.

Uhhafu wokuyi-8	=	4
Uhhafu wokuyi-10	=	
Uhhafu wokuyi-6	=	
Uhhafu wokuyi-12	=	
Uhhafu wokuyi-14	=	



Gcwalisa impendulo.

Uhhafu wokune ngoku-	kubili
Uhhafu wokuyisithupha ngoku-	
Uhhafu wokubili ngoku-	
Uhhafu wokuyisishiyagalombili ngoku-	
Uhhafu wokuyishumi ngoku-	



Gcwalisa impendulo.

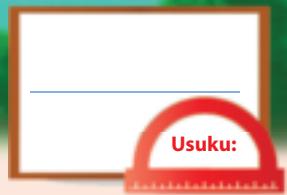
Uhhafu wokuyi-10 ngoku-	5
Uhhafu wokuyi-12 ngoku-	
Uhhafu wokuyi-14 ngoku-	
Uhhafu wokuyi-16 ngoku-	
Uhhafu wokuyi-18 ngoku-	



Teacher:
Sign:
Date:



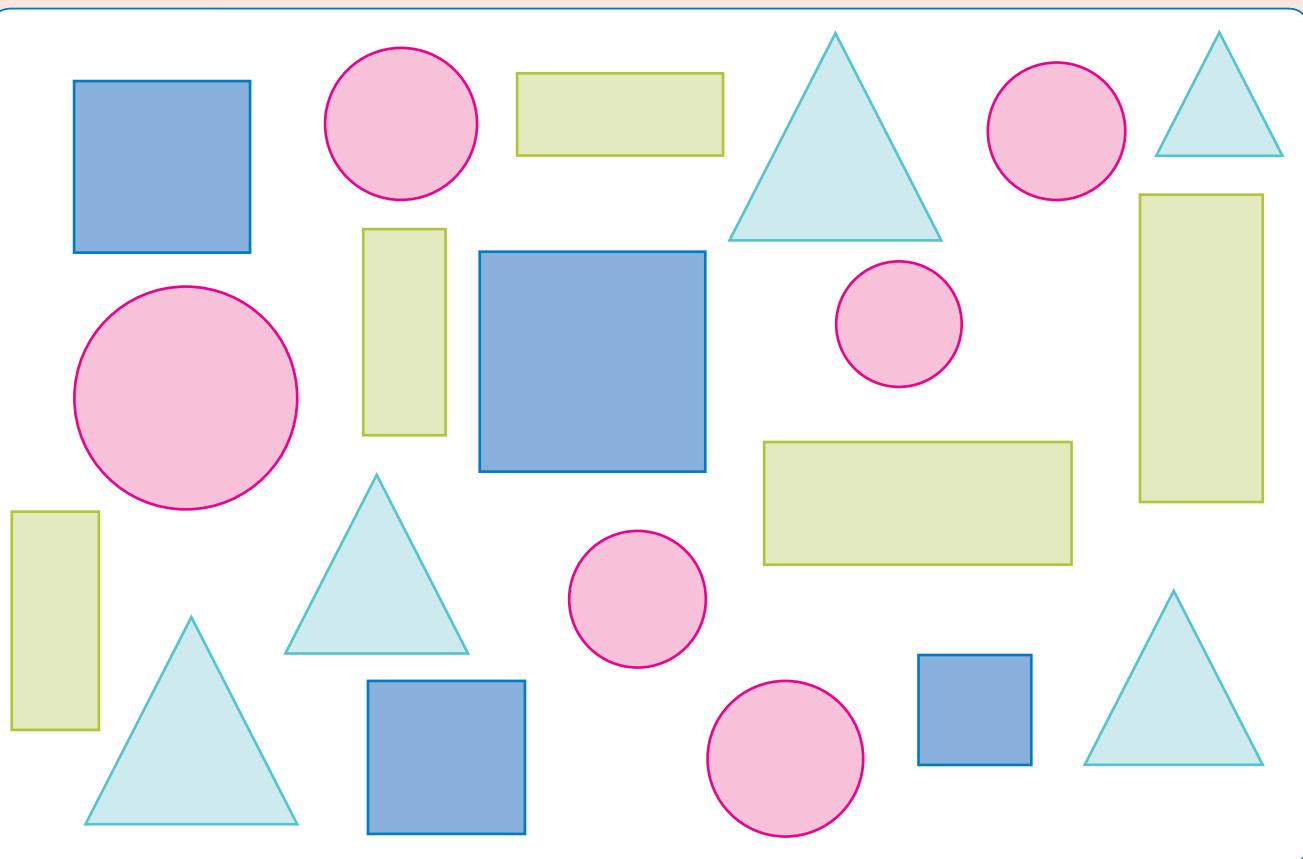
I24



Ithemu 4



Bala uthole ukuthi zingaki izimo ezahlukahlukene, bese uphendula imibuzo.



1. Zingaki izikwele ?

2. Bangaki onxantathu ?

3. Bangaki onxande ?

4. Zingaki iziyengi ?



Lezi zithelo zikhethwe ngabangani bakho abangama - 20.
Hlela izithelo bese wenza umdwabo kule grafu yezithombe
zezithelo ozihlelile bese uphendula imibuzo engezansi.



Izithelo esizithandayo?

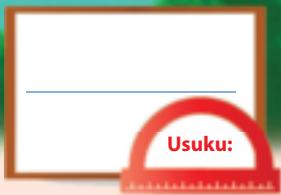
Ukhiye =

Istrobheri	I-aphula	Ipheya	Ubhanana	Iwolintshi

Zingaki izingane ezithanda istrobheri?	
Zingaki izingane ezithanda ama-aphula?	
Zingaki izingane ezithanda amapheya?	
Zingaki izingane ezithanda ubhanana?	
Zingaki izingane ezithanda amawolintshi?	
Yiziphi izithelo ezithandwa yizingane kakhulu?	
Yiziphi izithelo ezingathandwa yizingane kakhulu?	



I25



Imininingwane futhi



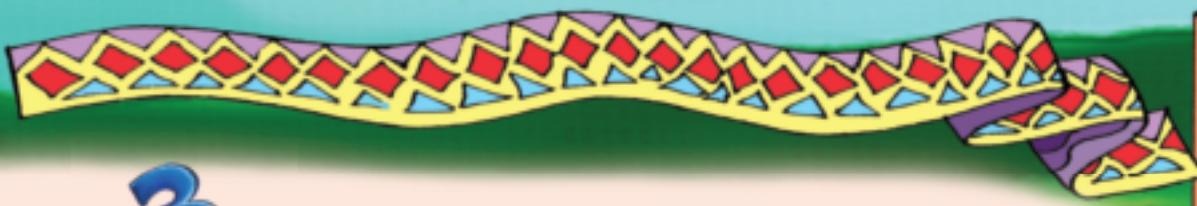
Izingane eklasini zinala mathoyisi.
Mangaki amathoyisi ohlotsheni ngalunye?

Ithemu 4



Qedela ithebhula.

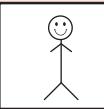
Ithoyisi	Inombolo
Onodoli	
Amaloli	
Othedi	
Amarobhothi	



Qedela igrafu yezithombe ngokudweba inani elifanele lezithombe zabantu abayizinti bohlobo ngalunye lwethoyisi.

Amathoyisi esinawo

Ukhiye =



Onodoli	Amaloli	Othedi	Amarobhathi

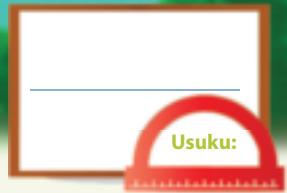


Phendula imibuzo. Uzode ubuka igrafu yezithombe ukuze usizakale.

Zingaki izingane ezinawonodoli?	
Zingaki izingane ezinamaloli?	
Zingaki izingane ezinothedi?	
Zingaki izingane ezinamarobhathi?	
Yiliphi ithoyisi elithandwa kakhulu?	
Yiliphi ithoyisi elingathandeki?	



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Ithemu 4



Silukala kanjani uketshezi?
Dweba umugqa uqondanise into
nento ekalwa ngayo.

Umthamo



Beka uphawu
lokuthikha esiqukathini
esinomthamo omncane.



Beka uphawu
lokuthikha esiqukathini
esinomthamo omkhulu.

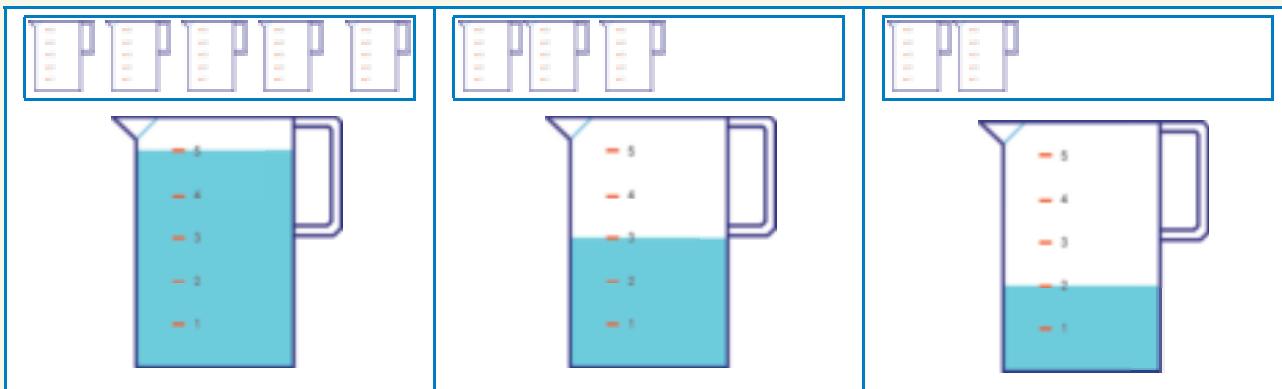


Ngabe lezi ziukathi
zicwele noma
kazinalutho?





Ngidinga izinkomisi ezinhlanu ukugcwalisa lesi siqukathi.
Zingaki izinkomishi engizokwengeza ngazo ukugcwalisa abanye
ojeké ababili? Zidwebe?



Faka umbala ukhombise ukuthi lungakanani uketshezi.

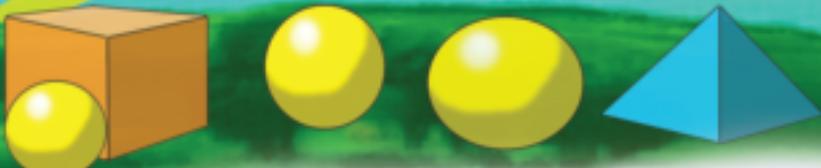
 1	+	 2 =	 <input type="text"/>
 2	+	 2 =	 <input type="text"/>
 2	+	 3 =	 <input type="text"/>



Teacher:
Sign:
Date:



I27

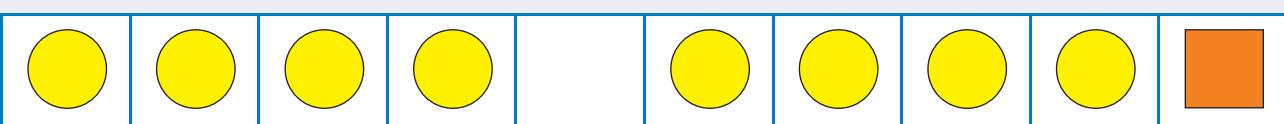
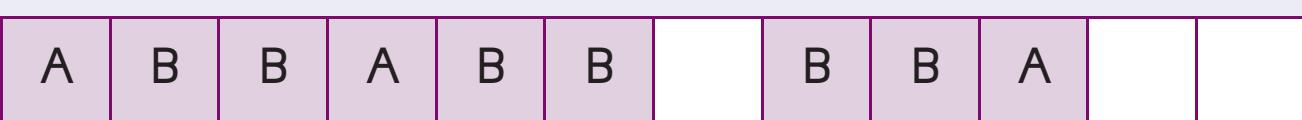
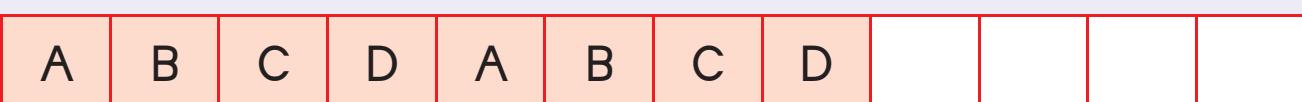
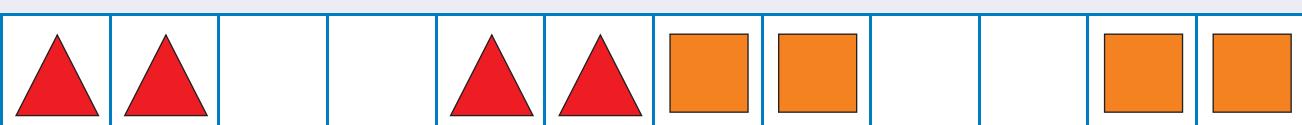
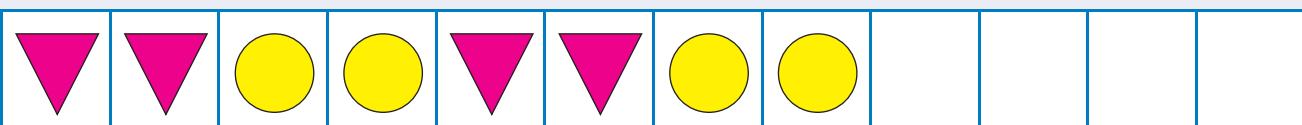
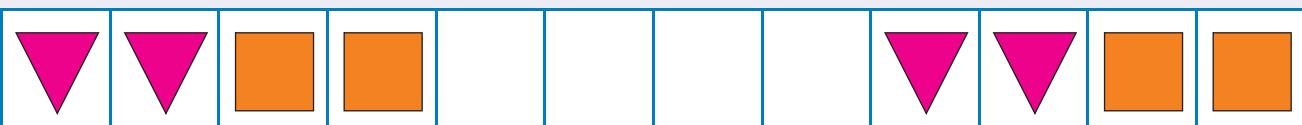
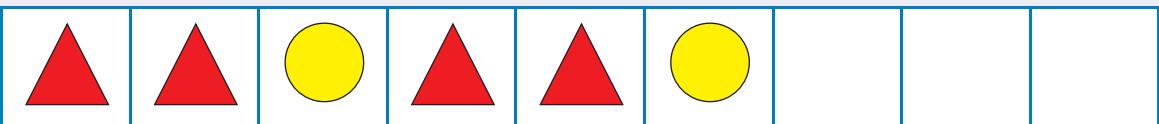


Amaphethini ejiyomethri



Qedela amaphethini.

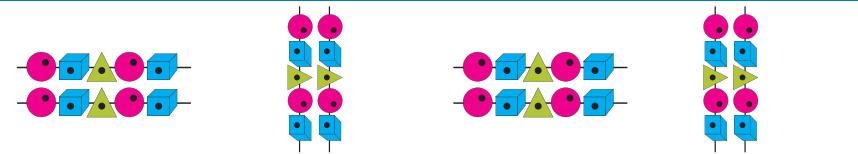
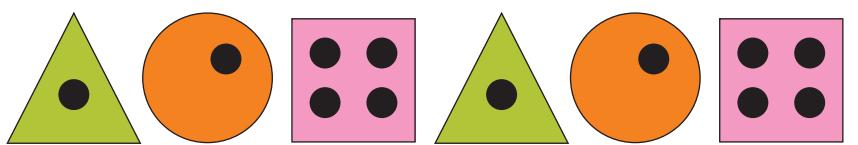
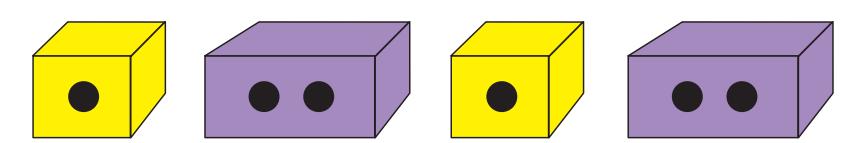
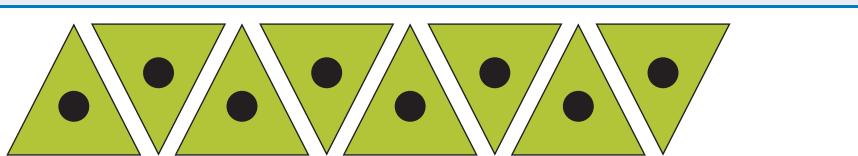
Ithemu 4



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Yelula iphethini.



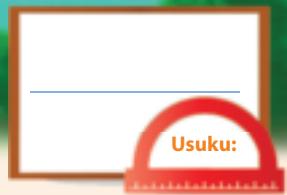
Yakha amaphethini akho usebenzise iziyungi, izikwele nawonxantathu.



Teacher:
Sign:
Date:



I28

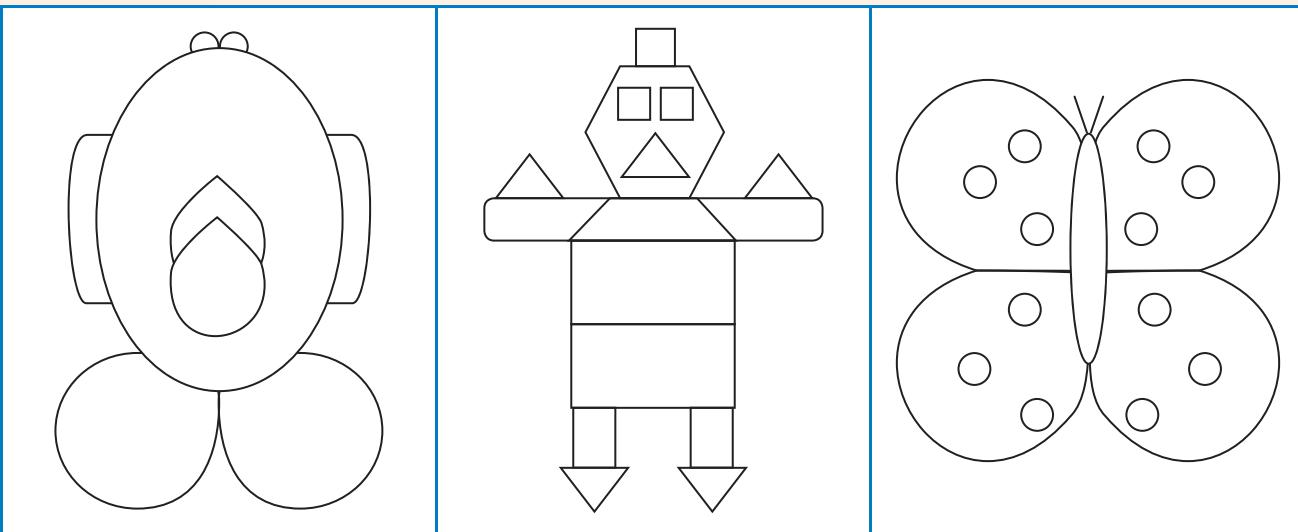


Okunhlangothi zifana ncamashi

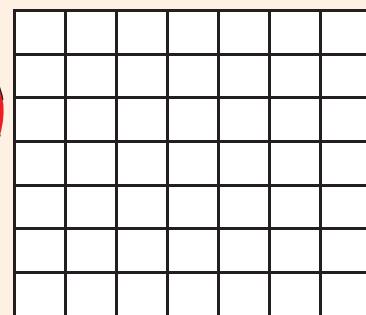
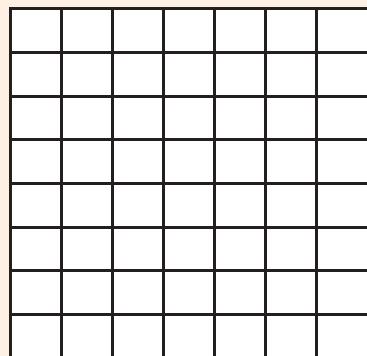
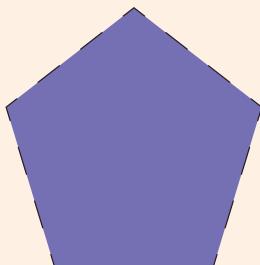
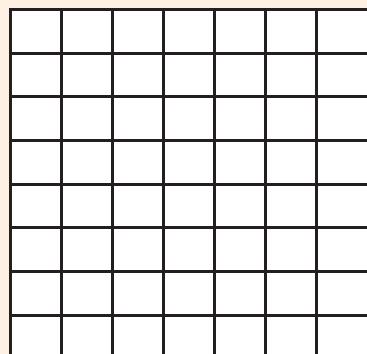
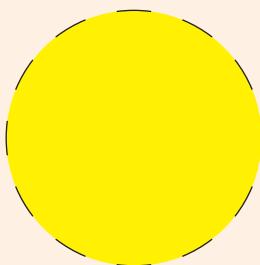
Ithemu 4



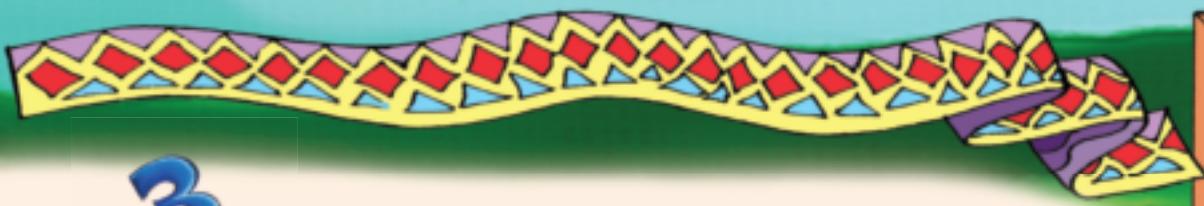
Dweba umugqa ohlukanisa phakathi isithombe ukuze ohhafu bobabili bafane nse.
Faka umbala owodwa uhafu esithombeni ngasinye.



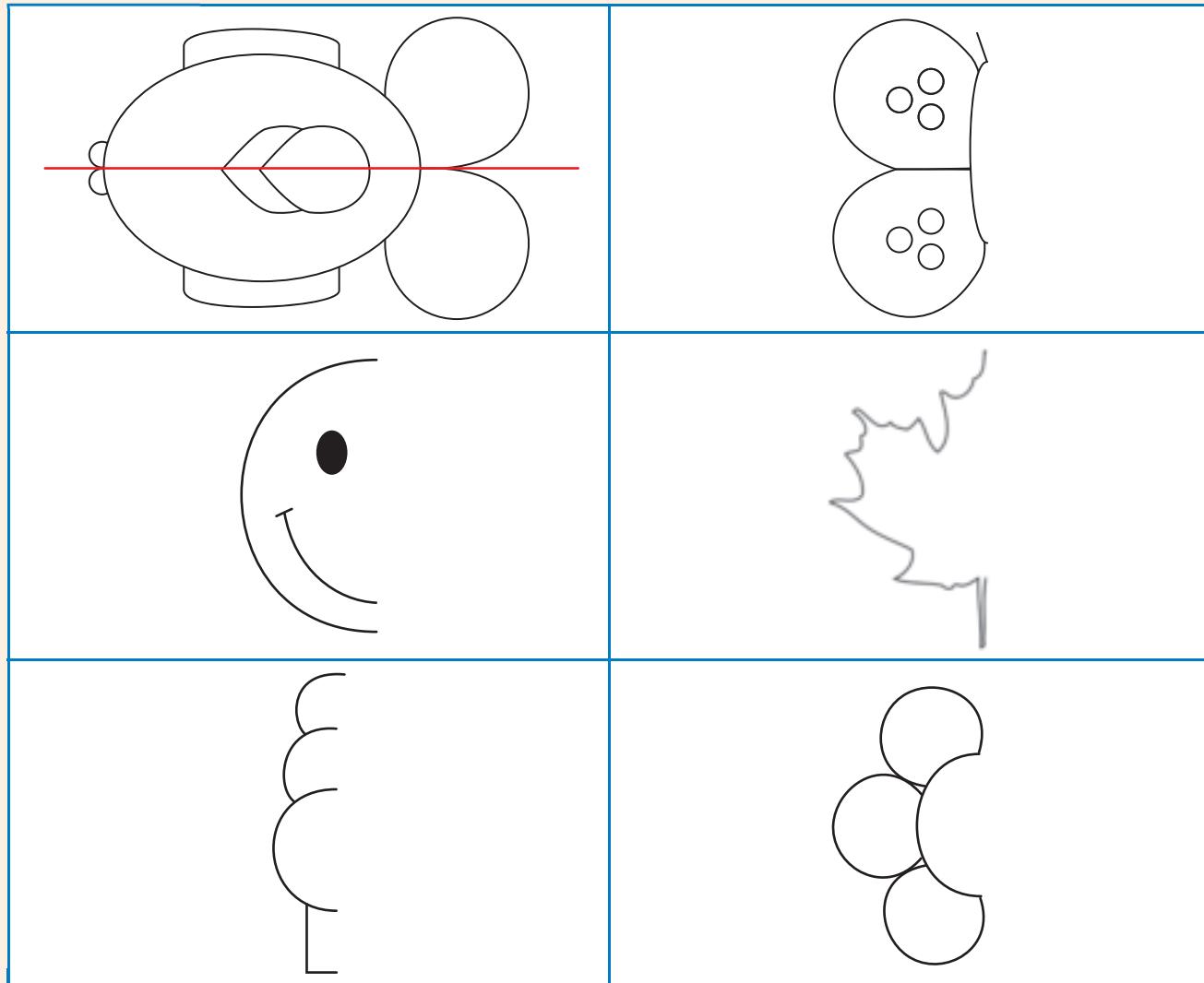
Kopisha lezi zimo, bese udweba umugqa phakathi nendawo.



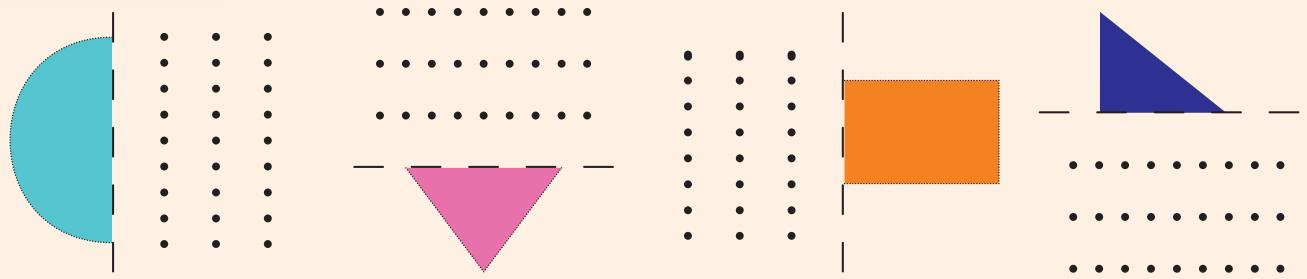
I28



Qedela isithombe ngokudweba uhhafu owodwa njengoba unjalo.



Dweba omunye uhhafu womdwebo.

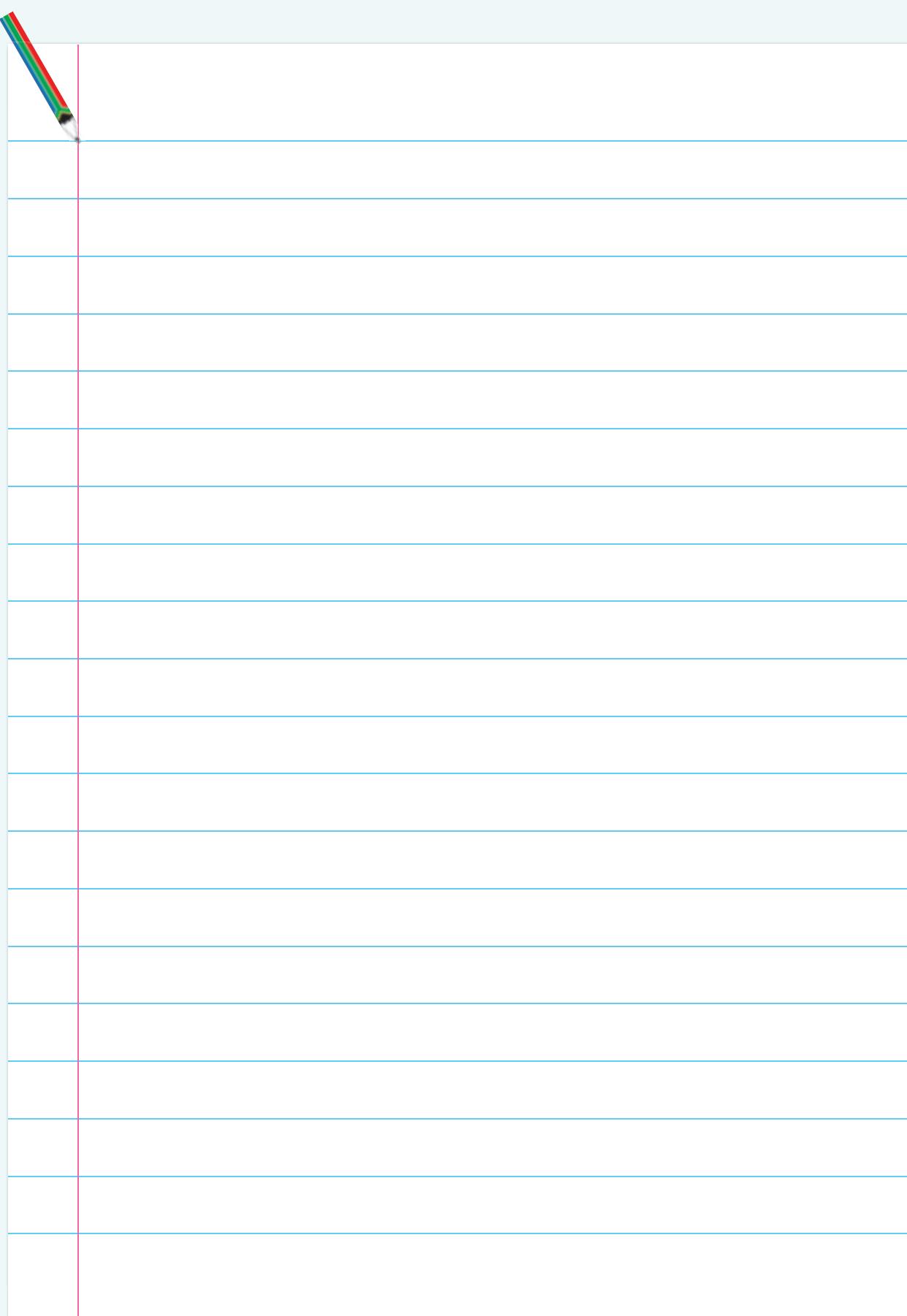


Teacher:
Sign:

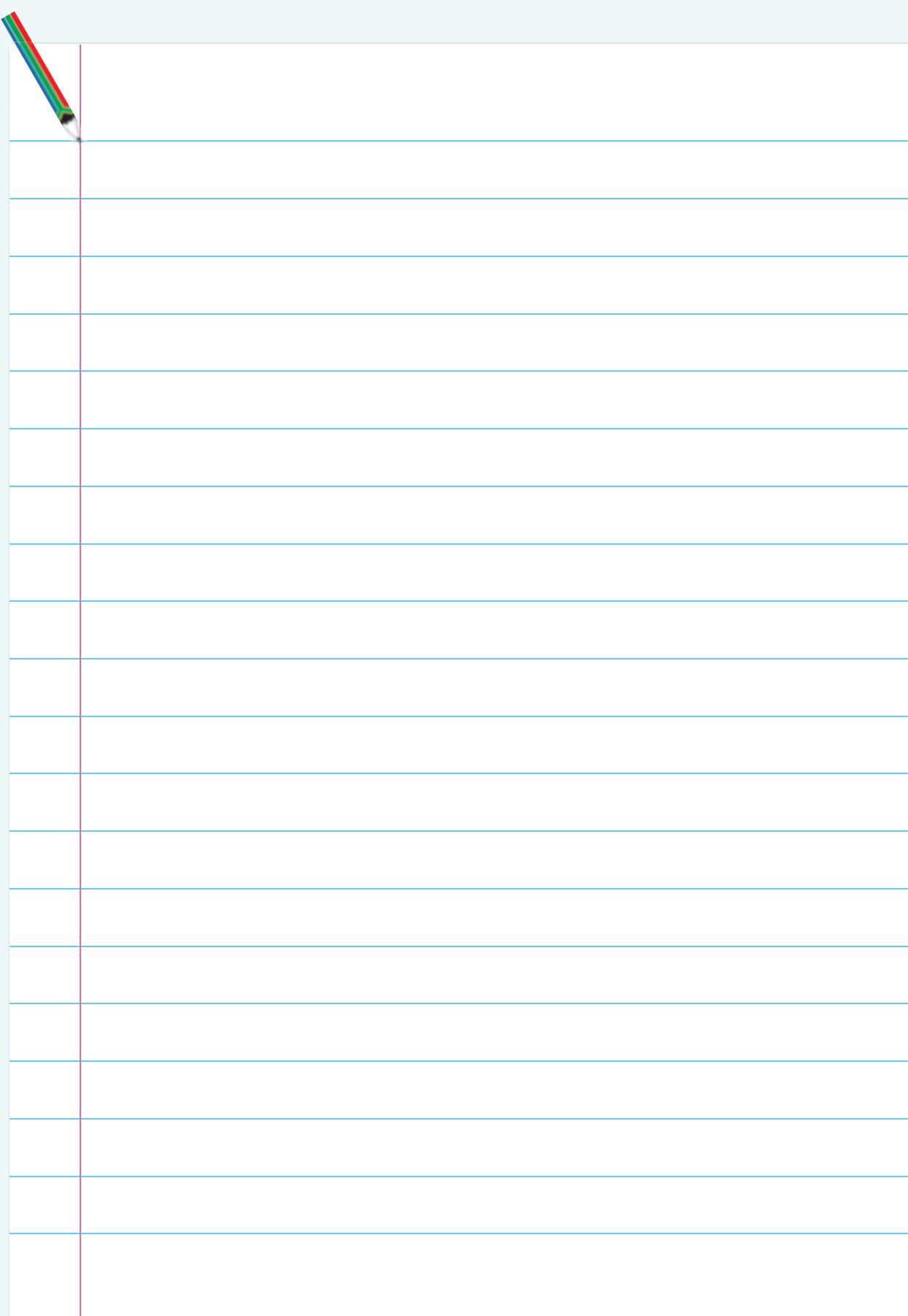
Date:



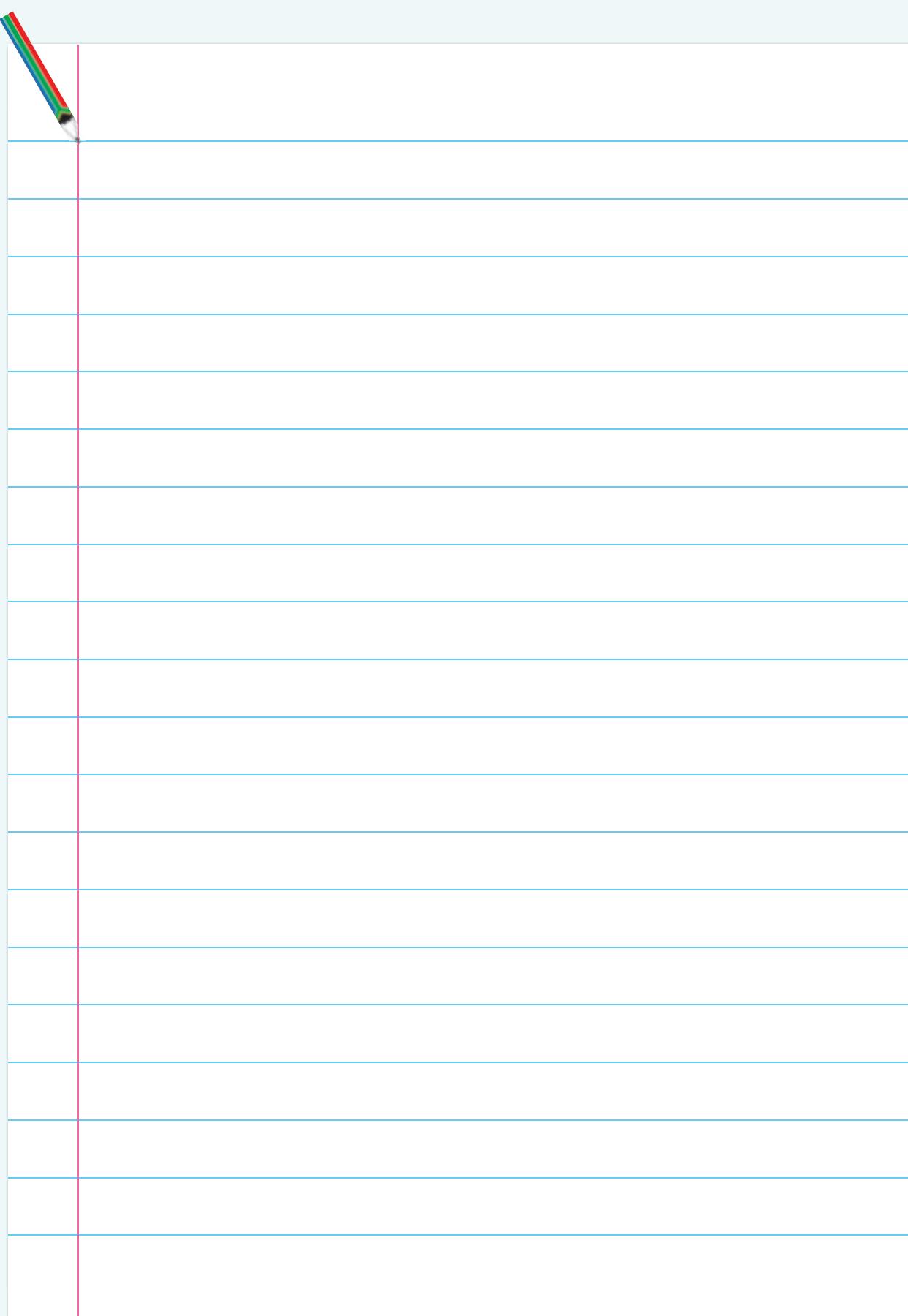
Amanothi



Amanothi

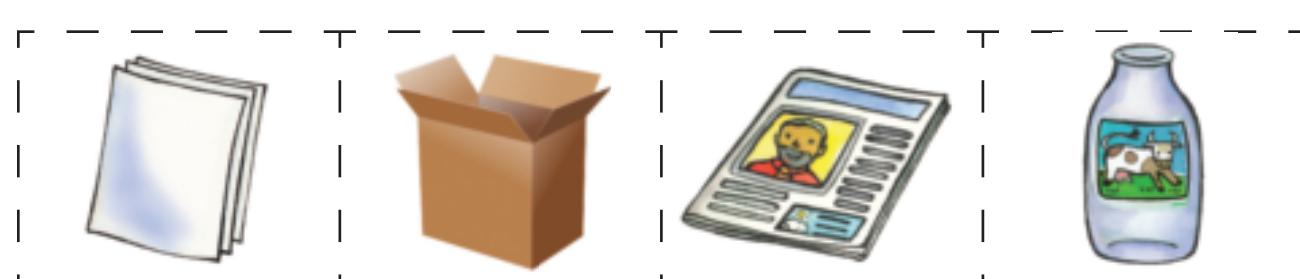
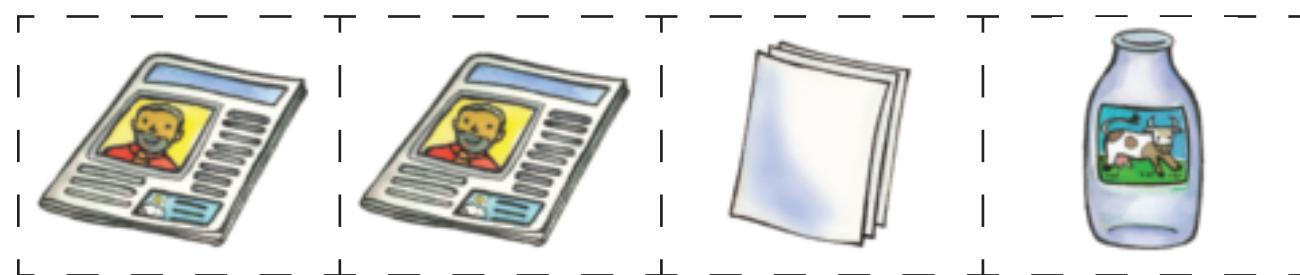
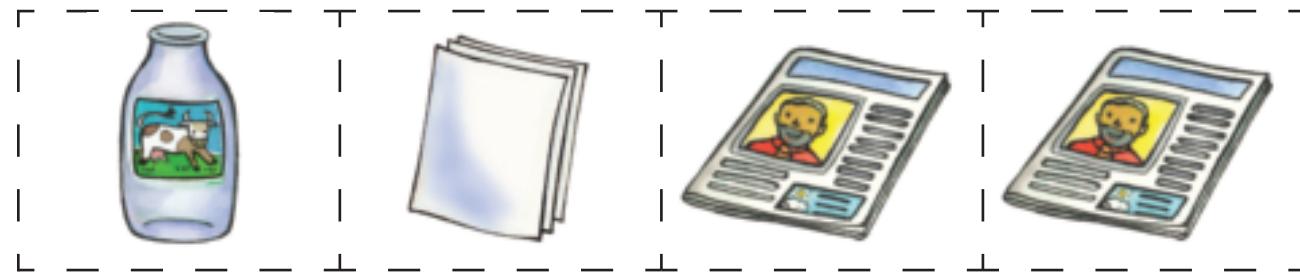


Amanothi



Cut-out 1

Worksheet 79





Cut out cards 2

Worksheet 83

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

Worksheet 84

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

Worksheet 93

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

Worksheet 115

72	78	82	84	86	74	80
-	-	-	-	-	-	-
76	88	90				
-	-	-				

Worksheet 119

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

