Ukufunda ngoMthethosisekelo weRiphabliki yeSewula (1996)

UMthethosisekelo weSewula Afrika (1996) umumethe imithetho yenarha eseqophelweni eliphezulu. Imithetho leyo kumele ilandelwe ngumongameli wenarha, abaphathi beenkundla zemithetho kanye nalabo abasembusweni.

Imithetho leyo ihlathulula kobana abantu benarha bafenele baphathane njani, nokuthi ngimaphi amalungelo wabo nokuthi ngiziphi iimbopho abanazo. UMthethosisekelo wenzelwe ukusivikela soke thina kanye nabentwana bethu ngomuso.

Kuqakathekile ukwazi izehlakalo zesikhathini esidlulile ko.	Asingabu yeleli iimphoso zangesi khathi esidlulile ko.	UMthethosise kelo usisiza ukucabanga nok wakha ilingomuso eling cono lethu soke.

Thina, abantu beSewula Afrika;

Siyakwazi ukungaphatheki kuhle kwethu ngokomthetho esikhathini esadlulako;

Siphathela phezulu abahlukunyezwa ngebanga lokobana kube nobulungiswa begodu nekululeko enarheni yekhethu;

Sihlonipha labo abasebenze ekwakheni begodu nekuthuthukiseni iphasi lekhethu;

begodu bakholelwa bonyana iSewula Afrika ngeyabo boke abahlala kiyo, sibambene ngokwahlukahlukana kwethu.

Ngalokho-ke, ngabajameli bethu abakhethwe ngokukhululekileko; samukela uMthetho-sisekelo lo njengoMthetho wokuthoma weRiphabliki oza–

- Kuqeda ukwahlukana okwadlulako begodu sakhe umphakathi ozokudzimelela kuminqopho yentando yenengi, ubulungiswa begodu namalungelo wangokomthetho wobuntu.
- Ukubeka isisekelo sentando yenengi begodu nomphakathi onzinzileko lapha umbuso unzinze khona phezu kwentando yesitjhaba begodu nalapha zoke izakhamuzi zivikeleke khona ngokomthetho.
- Ukwenza ngcono izinga lepilo yazo zoke izakhamuzi begodu nokuvezwa kwekghono lawo woke umuntu;
- Ukwakha iSewula Afrika ebumbeneko begodu nenentando yenengi ezokwazi ukuthatha indawo yayo njengenarha ezijameleko emndenini weentjhabatjhaba.

Funa ngekani amalungelo wakho njengesa khamuzi seSewula Afrika bewube nesibopho sokuvikela amalungelo wabanye abantu.	Ukwazi umThethomling wa wamalungelo Kanye nomThethomling wa weembopho.

UZimu akavikele abantu bekhethu.
Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.

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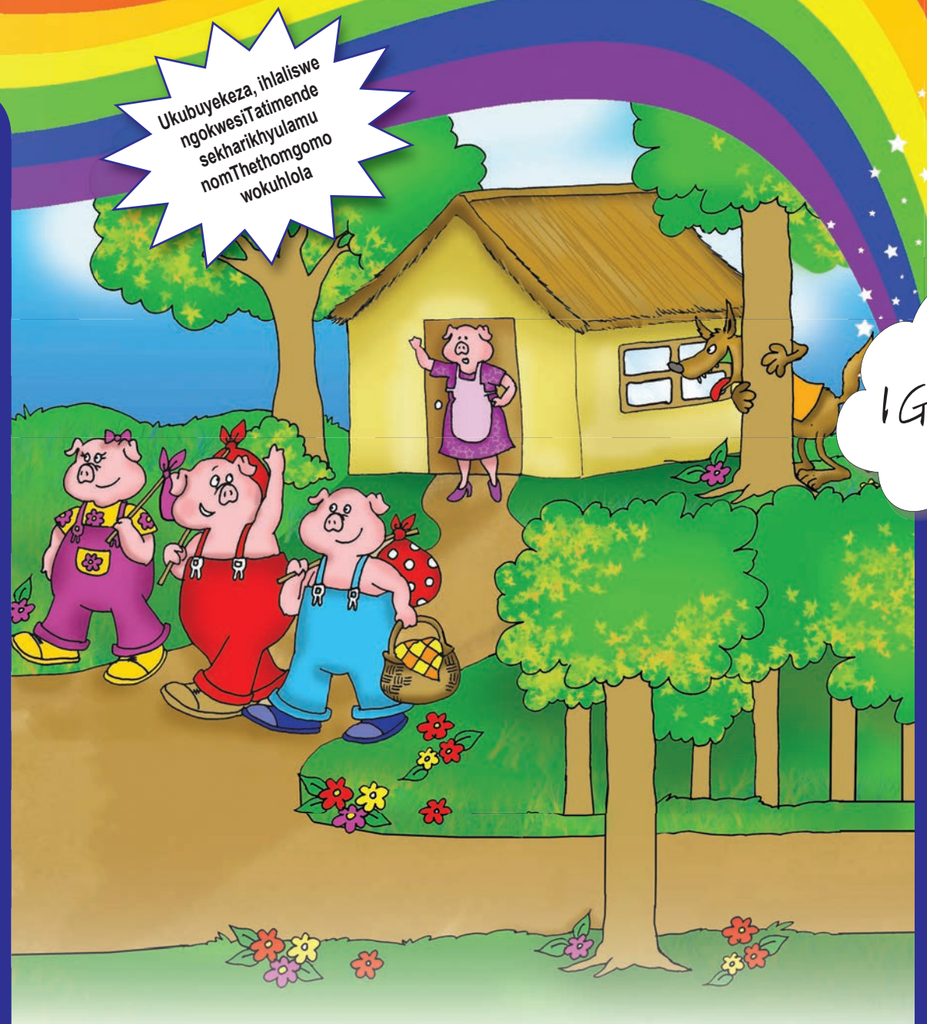

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UKkz. Angie Motshekga, nguNqgonqgotjhe weFundo-Sisekelo



UNom. Enver Surty, nguSekela kaNqgonqgotjhe weFundo-Sisekelo

Iincwadi lezi zenzelwe abentwana beSewula Afrika ngaphasi koburholi bakaNqgonqgotjhe wezeFundo-Sisekelo, uMma u-Angie Motshekga,kanye neSekela lakaNqgonqgotjhe wezeFundo-Sisekelo, uNom. Enver Surty.

Iincwadi zokuSebenzela zakwaRainbow ziyingcenye yeendlela ezinengi zomNyango wezeFundo-Sisekelo wokungenelela onqophe ukuthuthukisa ukusebenza ngcono kwabafundi beSewula Afrika kumagreyidi wokuthoma asithandathu. Njengamanye wamaHlelo womBuso aphuma phambili, iphrojekthi le isekelwe ngeemali ezibuya esiKhwameni seeMali seLizweloke. Lokhu kusize umNyango ukukhupha iincwadi zokusebenzela lezi ngawo woke amalimi asemthethweni ngaphandle kweendleko. Siyathemba kobana nizokufunyana iincwadi zokusebenzela lezi zilisizo khulu ekufundiseni kwenu kwangamalanga kanye nokuqinisekisa kobana abafundi benu bayayiqeda ikharikhyulamu.

Sitjheje khudlwana ukuhlahla abotitjhere komunye nomunye umsebenzi ngokusebenzisa iinthombe ezitjengisako bona ngikuphi umfundi amele akwenze.

Siyathemba kobana abentwana bazokuthabela ukusebenzisa iincwadi lezi njengombana bakhula bebafunda nje begodu wena titjhere uzokwabelana nabo ithabo lokufunda.

Sinifisela ipumelelo ekusebenziseni iincwadi lezi.

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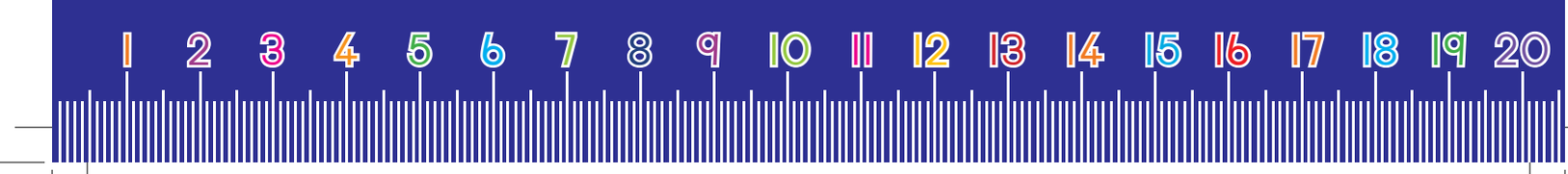




Ilanga:

Ukuzwisisa inomboro ye-11

Ukubuyekeza:

Zijayeze ukutlola iinomboro.



kunye

11

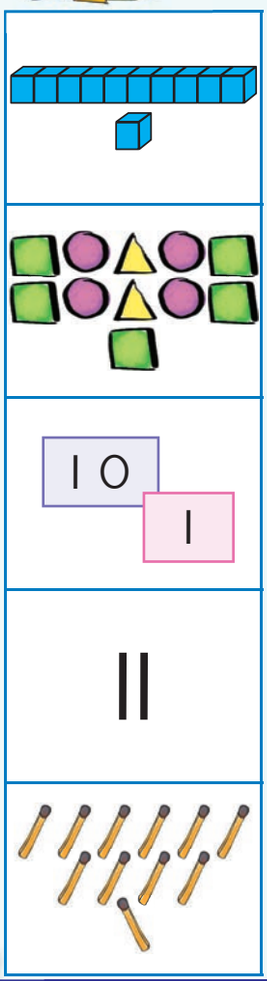


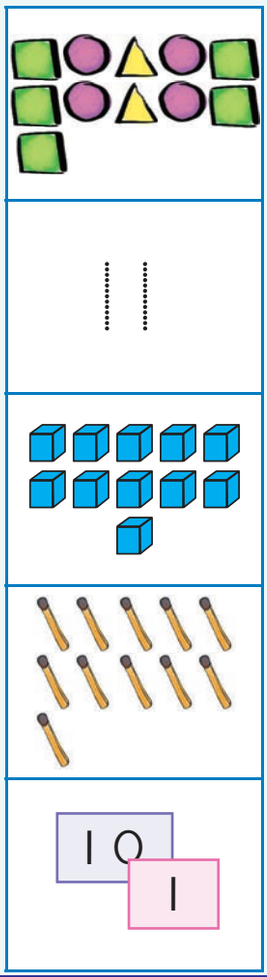
kubili

22



Madanisa iinthombe.

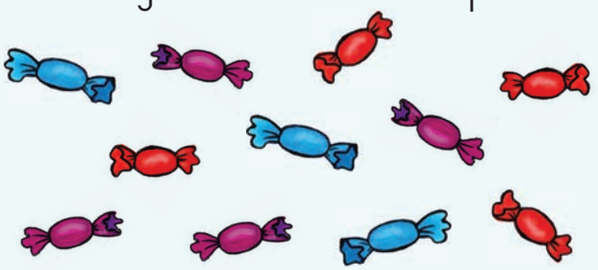






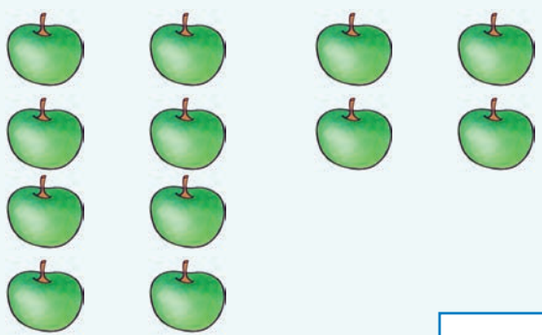
Ndulungela izinto.

Ndulungela amaswidi ali-10 kwaphela.



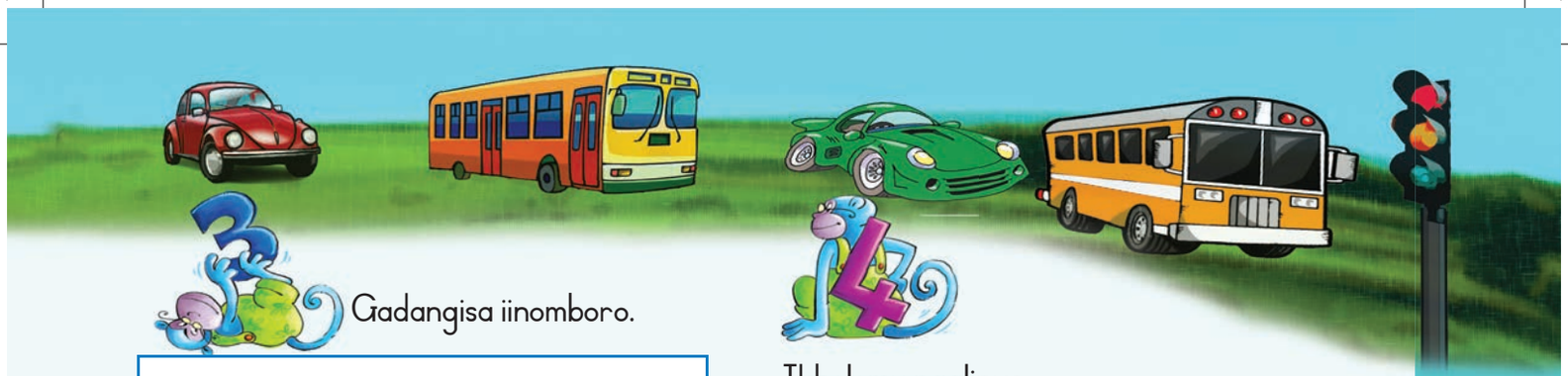
Kusele amaswidi amamngaki?

Ndulungela ama-apula ali-10 kwaphela.



Kusele ama-apula amangaki?





Gadangisa iinomboro.

11	11	11	11
itjhumi nakunye			
11	11	11	11

Ikholomu ngalinye kumele lithi nalihlanganiswako lenze i-11. Qedelela ngeenomboro ezitlhayelako.

3	5	4
4	5	
4		2
11	11	11

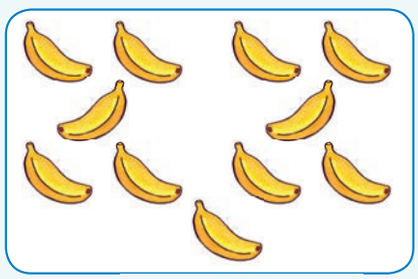
Gwala izinto ezili-11.

Qedelela ngeenomboro ezitlhayelako.

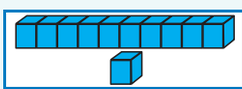
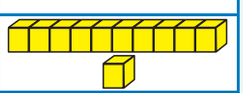
1	2		4	

Bala izinto.





Qedelela itheyibula. Umuda ngamunye unesithombe, inomboro nebizo lenomboro leyo.

		itjhumi nanye
	11	itjhumi nanye
11		
	itjhumi nakunye	

Inomboro encani ngakunye ku-11. _____

Inomboro ekulu ngakunye ku-11. _____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



Ilanga:

Ukuzwisisa inomboro ye-12

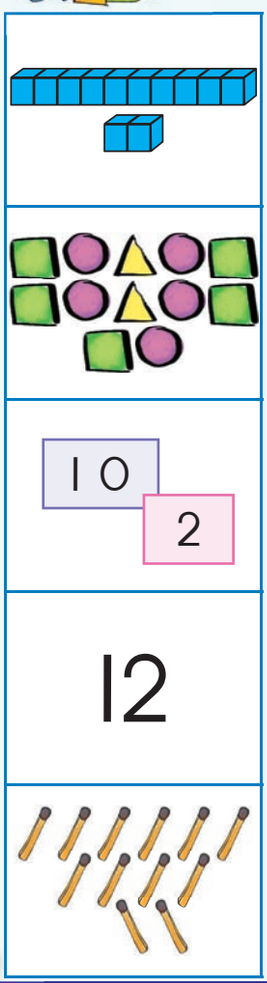
Ukubuyekeza:

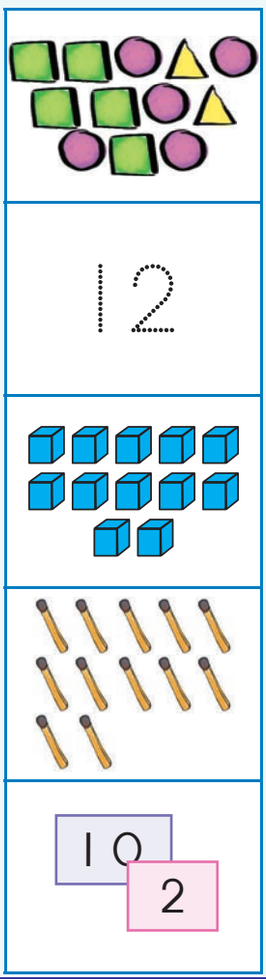
Zijayeze ukutlola iinomboro.

 kuthathu	3 3
 kune	4 4



Madanisa iinthombe.







Ndulungela izinto.

Ndulungela amanyathelo ali-10 kwaphela.

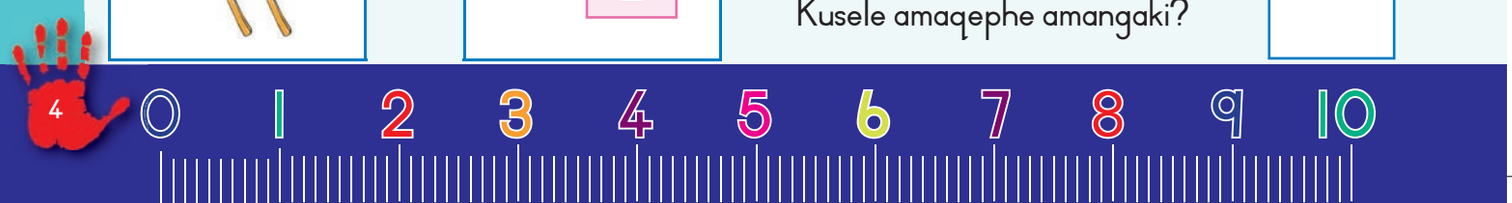


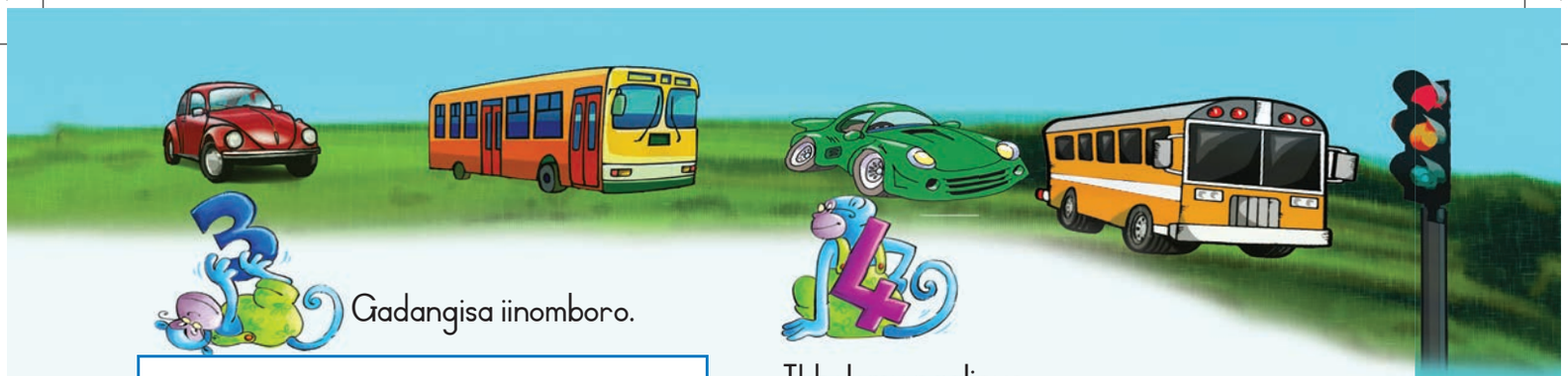
Kusele amanyathelo amangaki?

Ndulungela amaqephe ali-12 kwaphela.



Kusele amaqephe amangaki?





Gadangisa iinomboro.

12	12	12	12
itjhumi nambili			
12	12	12	12

Ikholomu ngalinye kumele lithi nalihlanganiswako lenze i-12. Qedelela ngeenomboro ezitlhayelako.

	7	6
4		4
3	2	
12	12	12



Gwala izinto ezili-12.



Qedelela ngenomboro etlhayelako.

3		5			
8			11		



Bala izinto.

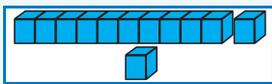
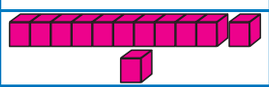
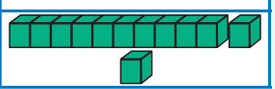






Qedelela itheyibula. Umuda ngamunye unesithombe, inomboro nebizo lenomboro leyo.



		itjhumi nambili
	12	itjhumi nambili
		12
	itjhumi nambili	

Inomboro encani ngakunye ku-12. _____

Inomboro ekulu ngakunye ku-12. _____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

67

Ilanga:

Ukuzwisisa inomboro ye-13

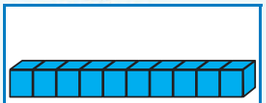
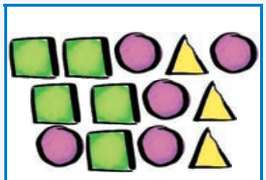
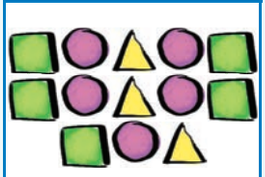
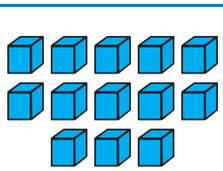
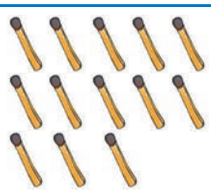
Ukubuyekeza:

Zijayeze ukutlola iinomboro.

kuhlanu	5 5
kuthandathu	6 6



Madanisa iinthombe.

	
	13
10 3	
13	
	10 3



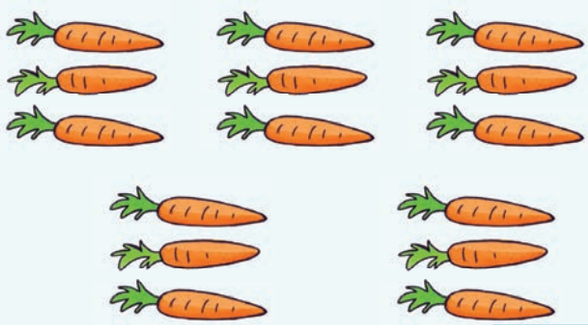
Ndulungela izinto.

Ndulungela abokatsu abali-10 kwaphela.



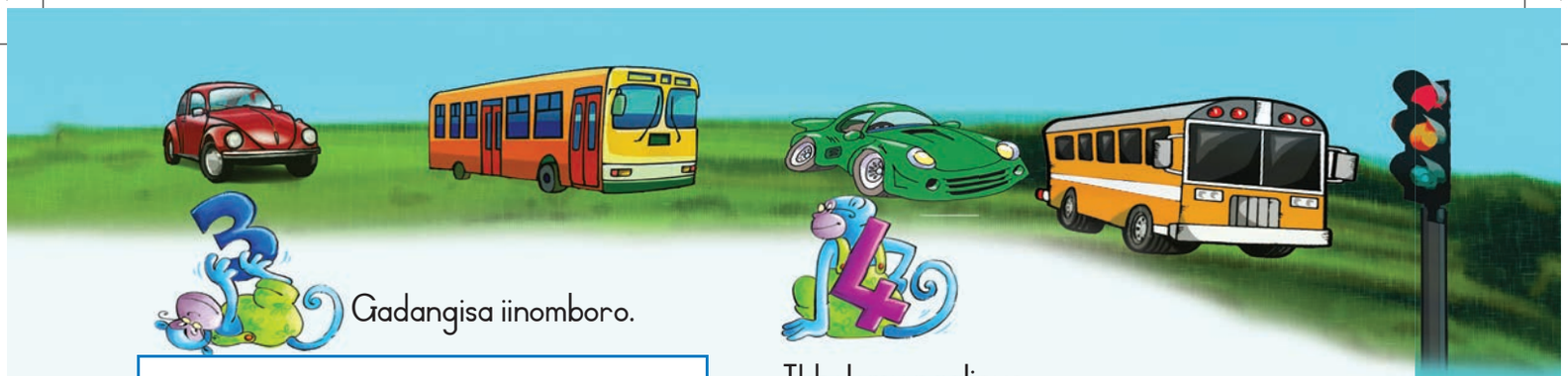
Kusele abokatsu abangaki?

Ndulungela amakherothi ali-13 kwaphela.



Kusele amakherothi amangaki?

0 1 2 3 4 5 6 7 8 9 10



Gadangisa iinomboro.

13	13	13	13
itjhumi nantathu			
13	13	13	13

Ikholomu ngalinye kumele lithi nalihlanganiswako lenze i-13. Qedelela ngeenomboro ezitlhayelako.

1	2	6
1		
	3	2
13	13	13

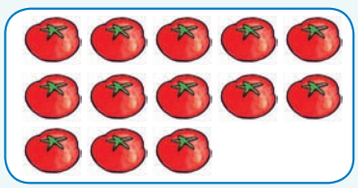
Gwala izinto ezili-13.

Kwanje zigwale ngendlela eyehlukileko.

Qedelela ngeenomboro ezitlhayelako.

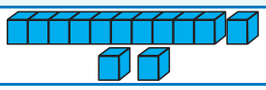
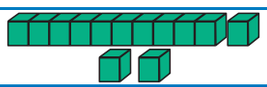
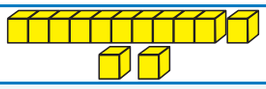
	10		12	

Bala izinto.





Qedelela itheyibula. Umuda ngamunye unesithombe, inomboro nebizo lenomboro leyo.

		itjhumi nantathu
	13	itjhumi nantathu
13		
	itjhumi nantathu	

Inomboro encani ngakunye ku-13. _____

Inomboro ekulu ngakunye ku-13. _____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

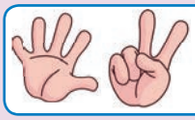


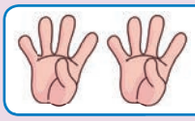
Ilanga:

Ukuzwisisa inomboro ye-14

Ukubuyekeza:

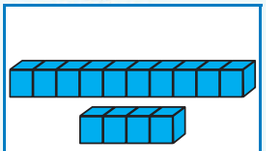
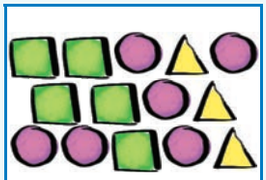
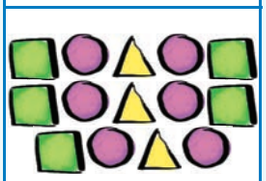
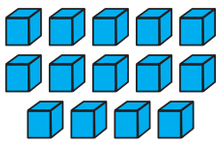
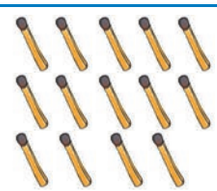
Zijayeze ukutlola iinomboro.

 likhomba — 7 7

 bunane — 8 8



Madanisa iinthombe.

	
	14
10 4	
14	
	10 4



Ndulungela izinto.

Ndulungela amaviyaviyani ali-10 kwaphela.



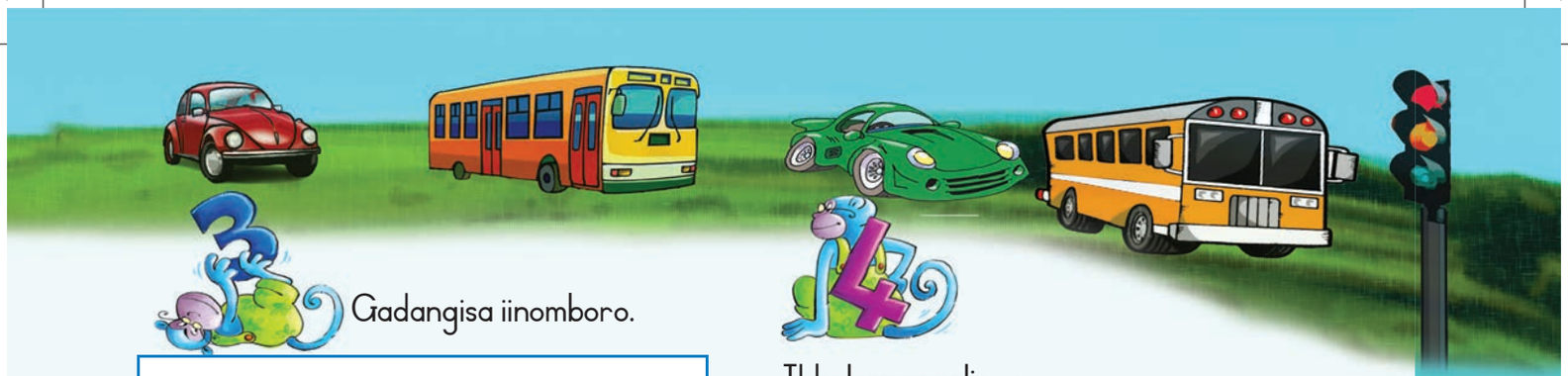
Kusele amaviyaviyani amangaki? ☐

Ndulungela amarogo ali-14 kwaphela.



Kusele amarogo amangaki? ☐

0 1 2 3 4 5 6 7 8 9 10



Gadangisa iinomboro.

14	14	14	14
itjhumi nane			
14	14	14	14

Ikholomu ngalinye kumele lithi nalihlanganiswako lenze i-14. Qedelela ngeenomboro ezitlhayelako.

1		2
	5	1
3	2	
14	14	14

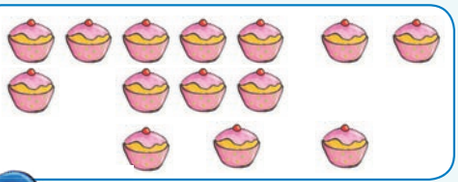
Gwala izinto ezili-14.

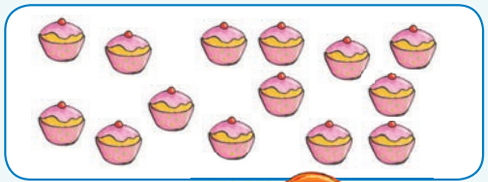
Kwanje zigwale ngendlela eyehlukileko.

Qedelela ngeenomboro ezitlhayelako.



Bala izinto.





Qedelela itheyibula. Umuda ngamunye unesithombe, inomboro nebizo lenomboro leyo.

	14	itjhumi nane
14		
	itjhumi nane	

Inomboro encani ngakunye ku-14. _____

Inomboro ekulu ngakunye ku-14. _____

Teacher:
Sign:
Date:

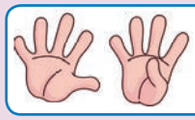


Ilanga:

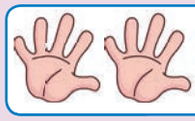
Ukuzwisisa inomboro ye-15

Ukubuyekeza:

Zijayeze ukutlola iinomboro.


lithoba

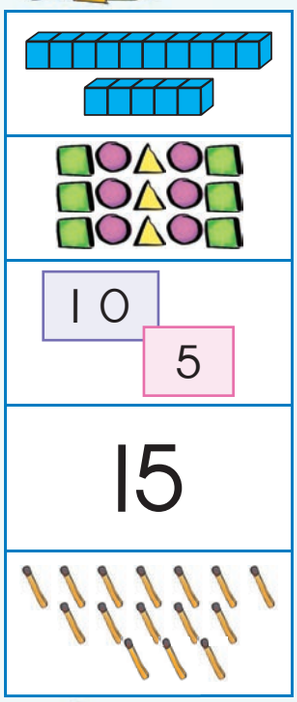
9 9

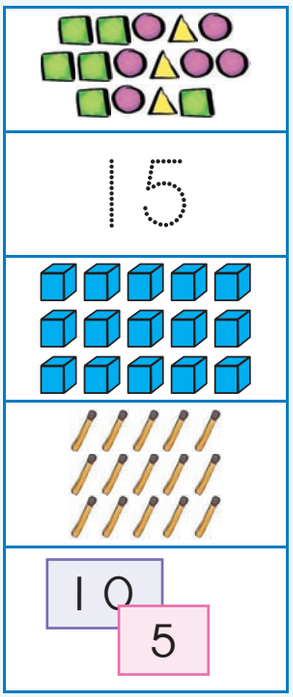

litjhumi

10 10



Madanisa iinthombe.

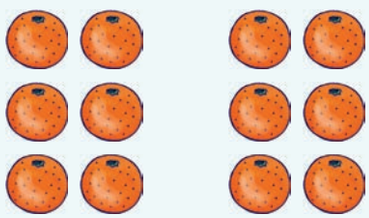






Ndulungela izinto.

Ndulungela ama-orentji ali-10 kwaphela.



Kusele ama-orentji amangaki?

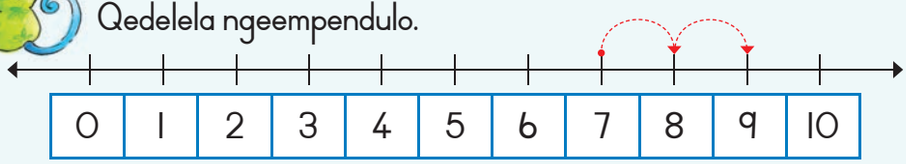
Ndulungela iinkwekwezi ezili-15 kwaphela.



Kusele iinkwekwezi ezingaki?

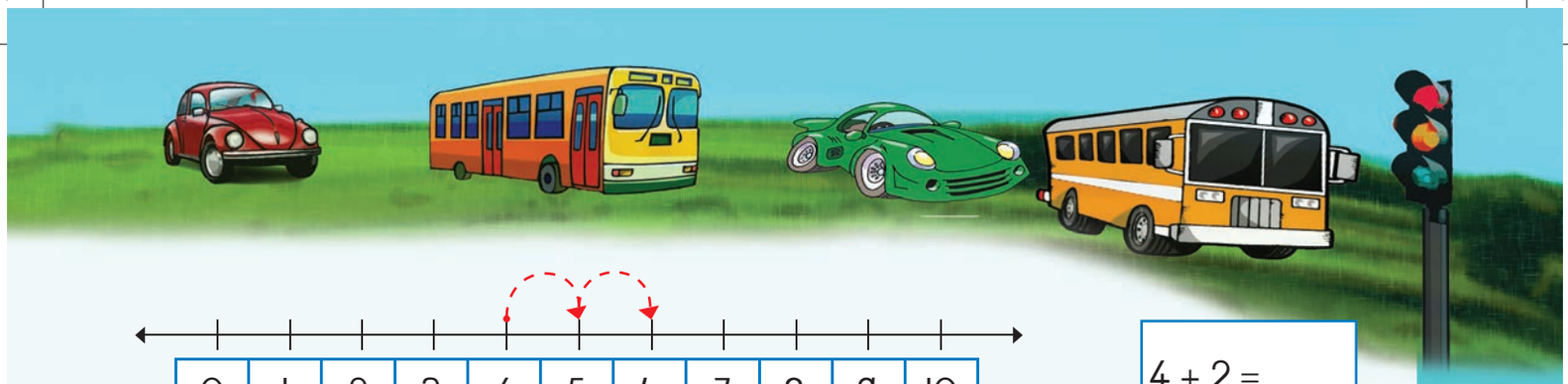


Qedelela ngeempendulo.



7 + 2 =





0	1	2	3	4	5	6	7	8	9	10

4 + 2 =

Gadangisa iinomboro.

15	15	15	15
itjhumi nahlanu			
15	15	15	15

Gwala izinto ezili-15.

Kwanje zigwale ngendlela eyahlukileko.

Qedelela ngeenomboro ezitlhayelako.

11 12 13 15

15 13 12

Bala izinto.

Qedelela itheyibula. Umuda omunye nomunye unesithombe, inomboro negama lenomboro leyo.

	15	itjhumi nahlanu
		itjhumi nahlanu
15		

Inomboro encani ngakunye ku-15. _____

Inomboro ekulu ngakunye ku-15. _____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

70



Ilanga:

Ukuhlanganisa bekufike ema-20 – Ragela njalo phambili

Ukubuyekeza:

Zijayeze ukutlola ibizo lenomboro.

6	sithandathu



Qalisisa isithombe bese utlola umutjho weenomboro komunye nomunye umutjho.

ULisa unamaswidi ama-3. UMandla unamaswidi ama-5. Bobabili banamaswidi amangaki?

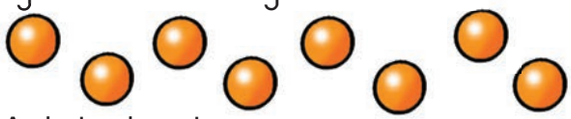


Asibale:

3	...	4	5	6	7	8

☐ + ☐ = ☐

Benginamamabula abu-8 ngase ngilahlekelwa mamabula ama-4. Ngisele ngamamabula amangaki sele awoke?



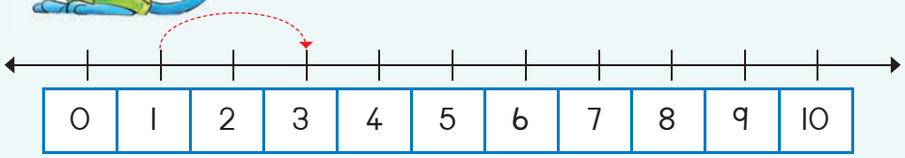
Asibale sibuyele emuva:

8	...	7	6	5	4

☐ – ☐ = ☐

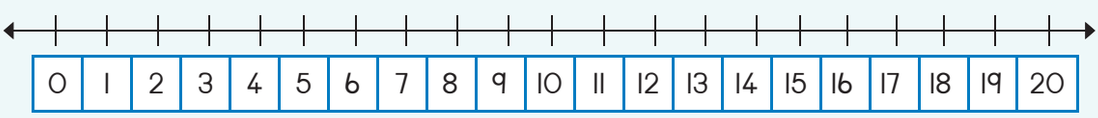


Qedelela ngeempendulo.



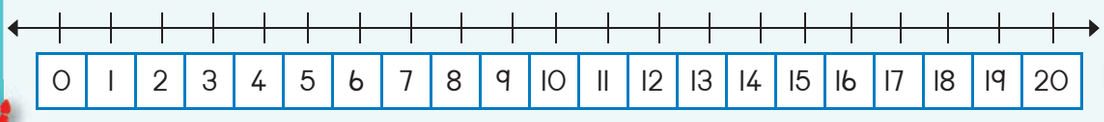
0	1	2	3	4	5	6	7	8	9	10

1 + 2 = ☐



0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

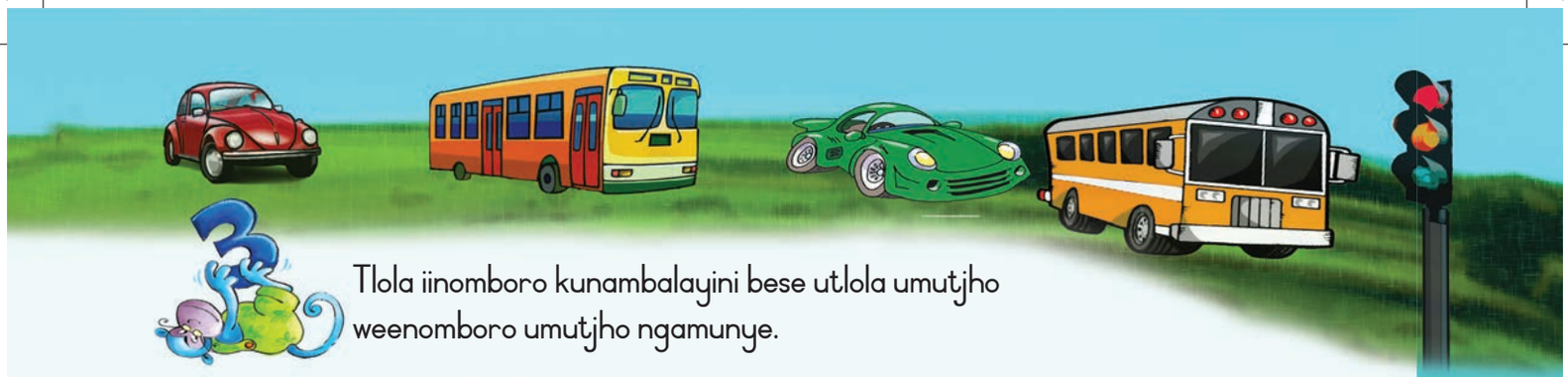
13 + 2 = ☐



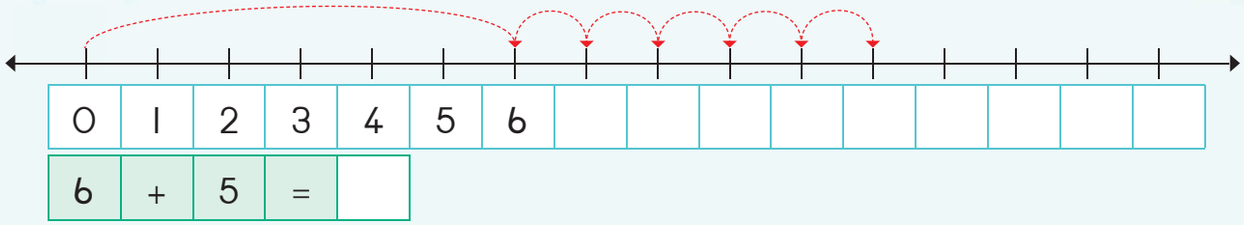
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

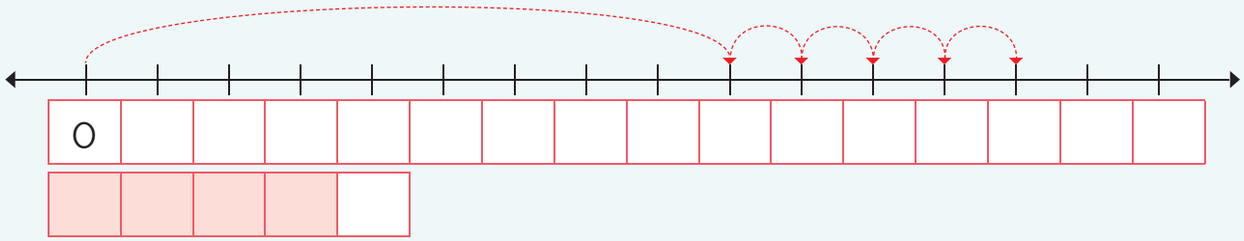
15 + 2 = ☐

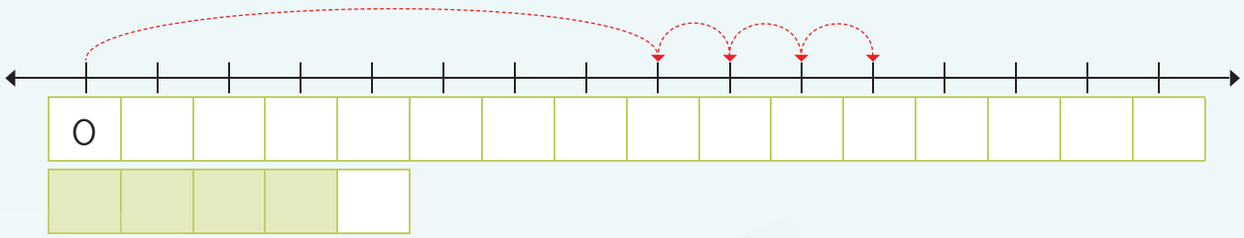




Tlola iinomboro kunambalayini bese utlola umutjho weenomboro umutjho ngamunye.







Bala ngakubili.

3	5
4	
2	

7	
8	
6	

Qedelela ngeenomboro.

Siza isiswebu ukuqedelela isibalo.

Nginemiyaka eli-7 ubudala.
Eminyakeni emi-5 ezako, ngizabe nginemiyaka emingaki?

7					

Ngizabe nginemiyeka _____.

6			
8	+5		
7			
0			

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

71

Ilanga:

Ukuhlanganisa – ukwakha nokuhlephula iinomboro bekufike e-10

Ukubuyekeza:

Zijayeze ukutlola ibizo lenomboro.

7 | likhomba



Qedelela ngeenomboro.

3 + 3 = ☐



0 + 5 = ☐



3 + 2 + 1 = ☐



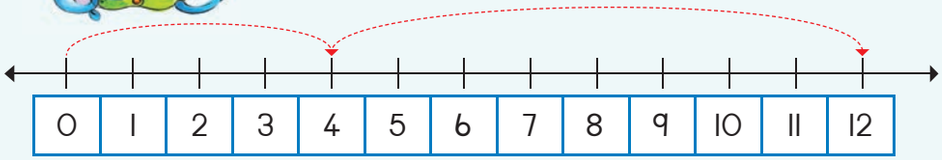


Khalara ukutjengisa okulandelako.

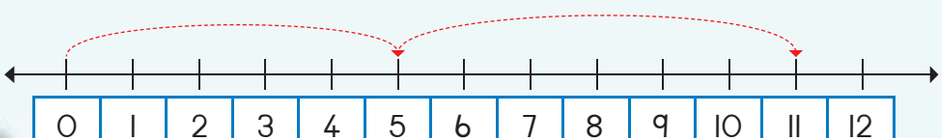
3 + 9	●●●●●●●●●●●●
4 + 8	○○○○○○○○○○○○
5 + 7	○○○○○○○○○○○○
6 + 6	○○○○○○○○○○○○
7 + 5	○○○○○○○○○○○○



Tlola isibalo salokhu:

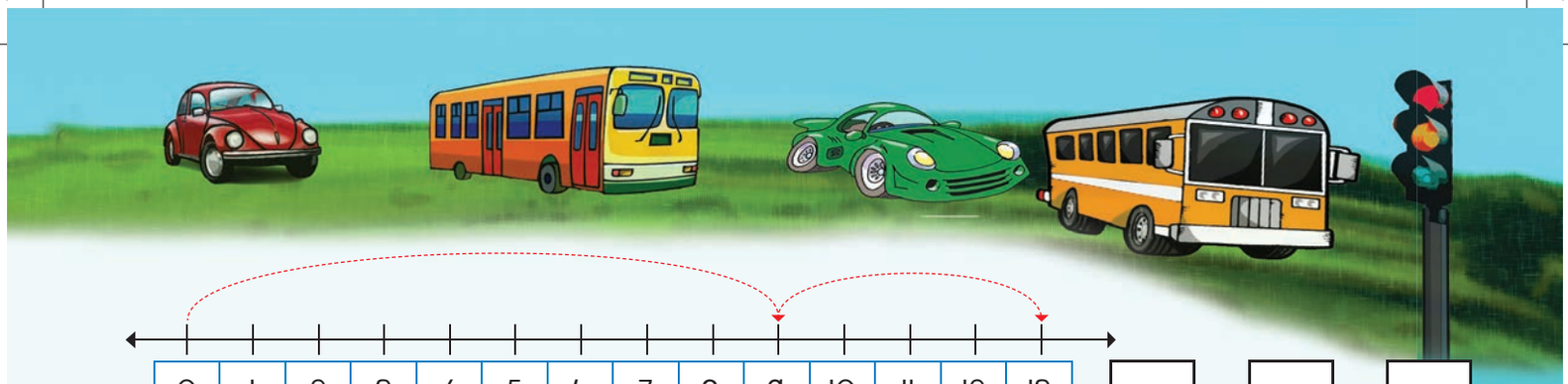


☐ + ☐ = ☐



☐ + ☐ = ☐

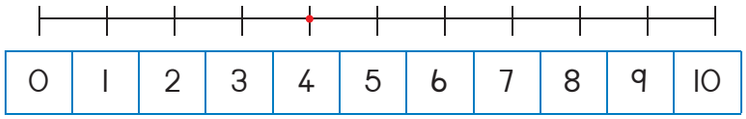




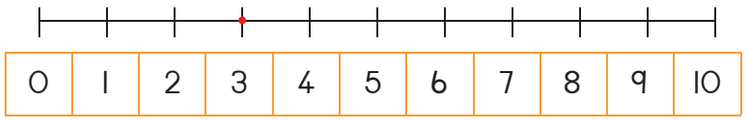
☐ + ☐ = ☐



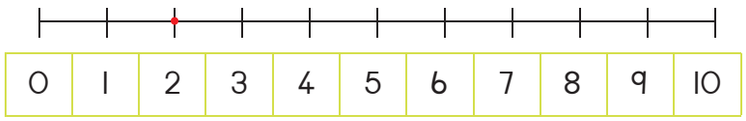
Qedelela inambalayini bese utlola ipendulo.



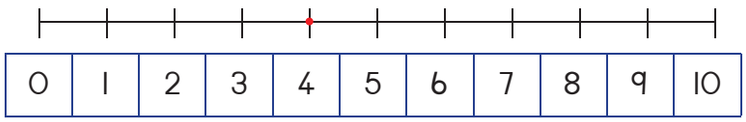
4 + 5 + 1 = ☐



3 + 3 + 2 = ☐



2 + 4 + 3 = ☐



4 + 3 + 2 = ☐



Rarulula isibalo esilandelako ngokuthi ugwale iinthombe.

Benginamamabula ama-5. Umngani wami unamamabula abu-8. Sobabili sinamamabula amangaki sele awoke.

☐ + ☐ = ☐

Ngiphathele utitjhere wami amathuthumbo ali-9. Umngani wami umphathele asi-6. Sobabili, siphathele utitjhere amangaki sele awoke?

☐ + ☐ = ☐

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

72

Ilanga:

Ukuhlanganisa – ukwakha nokuhlephula iinomboro kufika ema-20

Ukubuyekeza:

Zijayeze ukutlola ibizo lenomboro.

8	bunane

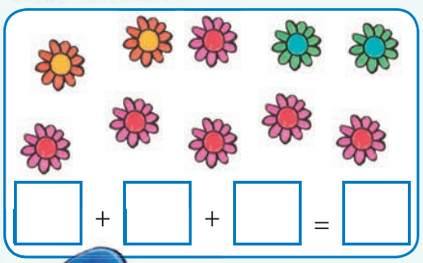


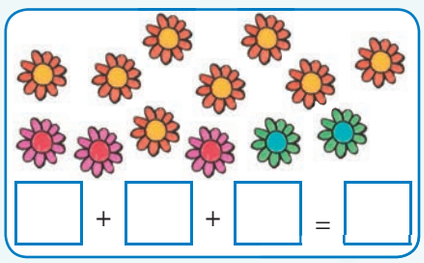
Qedelela ngependulo.

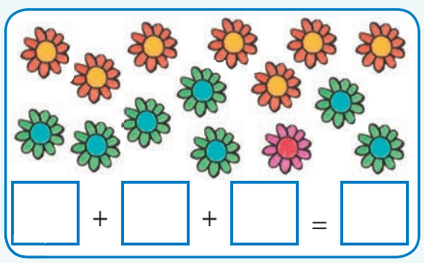
0 + 2 =		2 + 2 =		4 + 2 =		6 + 2 =		8 + 2 =	
10 + 2 =		12 + 2 =		14 + 2 =		16 + 2 =		18 + 2 =	



Sebenzisa umbala owehlukileko wamathuthumbo ukuzakhela yakho imitjho yeenomboro.







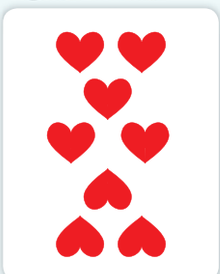


Siza isiswebu ukuqedelela iimbalo.

12	+ 5	
14		
11		
9		



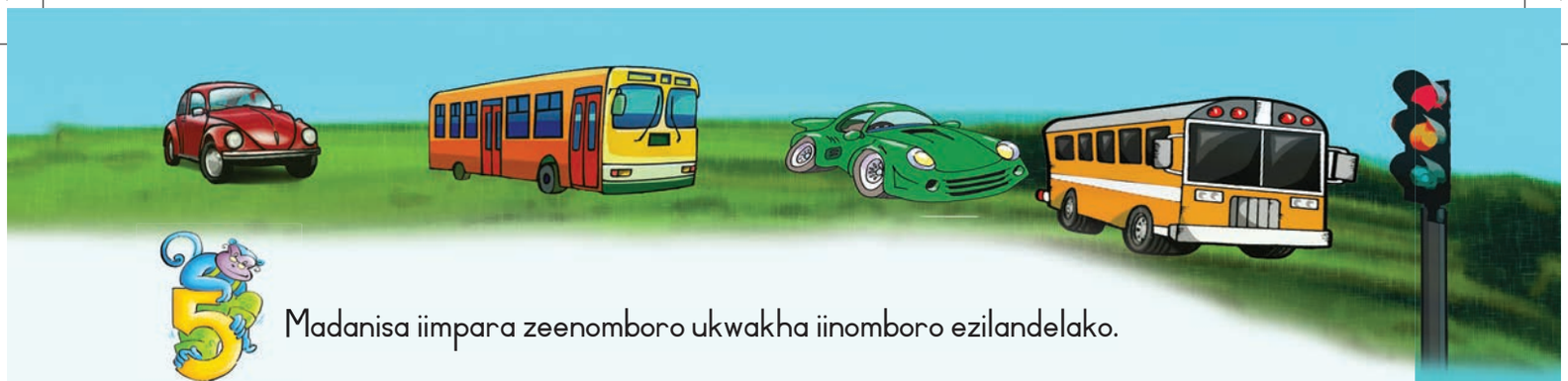
Ziinhliziyo ezingaki?



Zenzele isibalo sakho.

__ + __ = __





Madanisa iimpara zeenomboro ukwakha iinomboro ezilandelako.

13

7	5
8	4
9	6
10	2
11	3

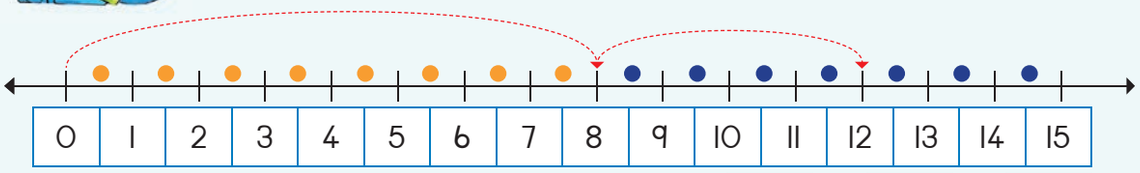
11

6	7
7	4
3	8
4	5
5	6

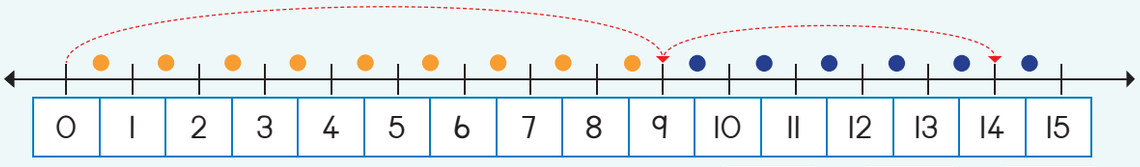
12

8	6
10	1
4	8
11	4
6	2

Tlola umutjho weenomboro walokhu:



□ + □ = □



□ + □ = □

Ukubuyekeza:

Ukubuyekeza: Khalara phezu kwependulo enembako.

			
ngaphambili	ngaphambili	ngaphambili	ngaphambili
ngemuva	ngemuva	ngemuva	ngemuva
ngeqadi	ngeqadi	ngeqadi	ngeqadi

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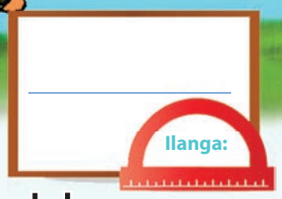


Ukuhlanganisa nokukhupha – ukwakha nokuhlephula

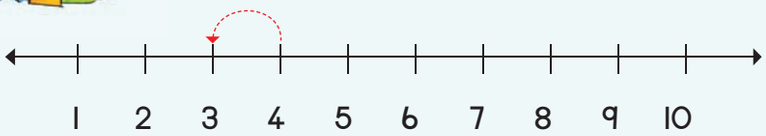
Ukubuyekeza:

Zijayeze ukutlola ibizo lenomboro.

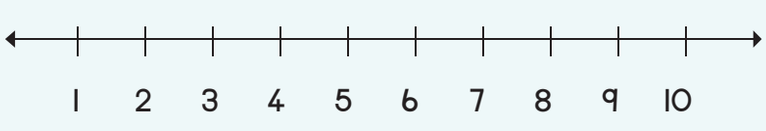
9	lithoba



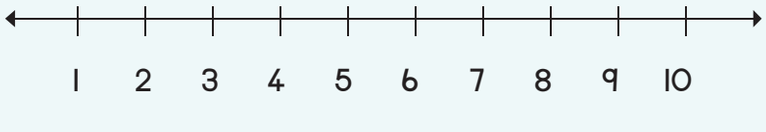
Qedelela ngependulo.



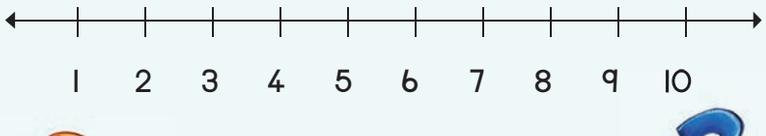
4 – 1 = ☐



5 – 3 = ☐



4 – 2 = ☐



5 – 2 = ☐

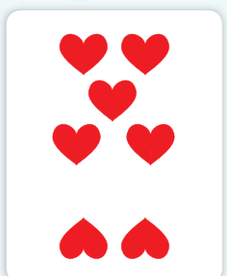


Siza isiswebu ukuqedelela iimbalo.

7	–5	☐
8		☐
10		☐
5		☐



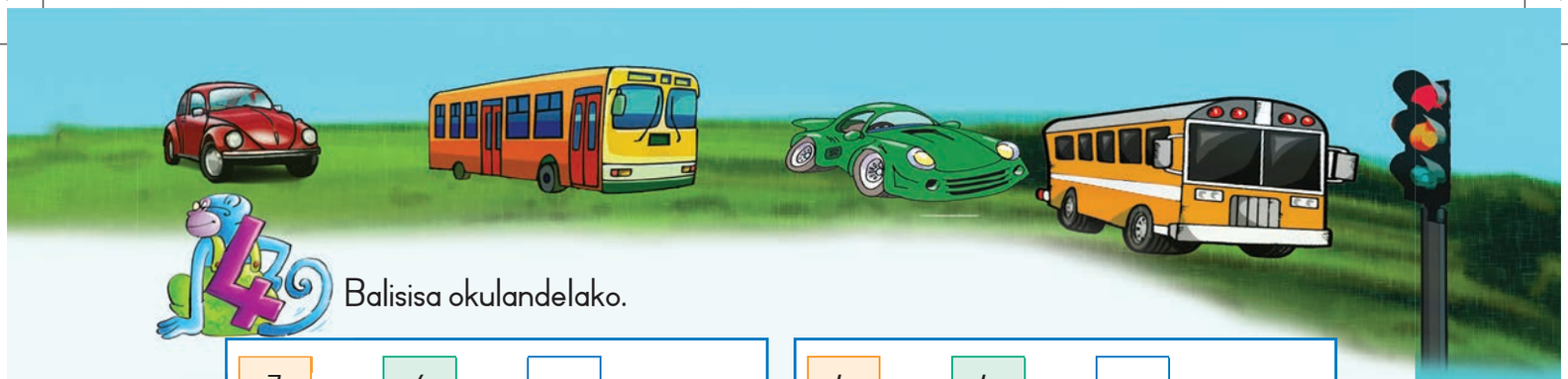
Ziinhliziyo ezingaki?



Zenzele isibalo sakho.

☐ + ☐ = ☐





4 Balisisa okulandelako.

7	+	4	=		6	+	6	=	
7	+	4	+	1	=		6	+		+		=	
10	+	1	=		10	+		=	
13	–	6	=		12	–	8	=	
13	–	3	+	3	=			–		+		=	
10	–	3	=		10	–	3	=	

5 Tlola iimpendulo bese uyakhalara ubuye ugwale.

8 + 6 = ____

Ipendulo inganikelwa ngale indlela:

(8 + 2) + 4 = ____ → 10 + 4 = ____

15 – 7 = ____

Ipendulo inganikelwa ngale indlela:

(15 – 5) – 2 = ____ → 10 – 2 = ____

9 + 4 = ____

Ipendulo inganikelwa ngale indlela:

(9 + 1) + 3 = ____ → ____

14 – 5 = ____

Ipendulo inganikelwa ngale indlela:

(–) – 1 = ____ → 10 – 1 = ____

Ukubuyekeza:

Zijayeze ukutlola ibizo lenomboro.

10 ityhumi

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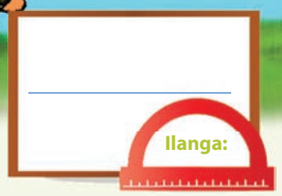
Date:



Ubude



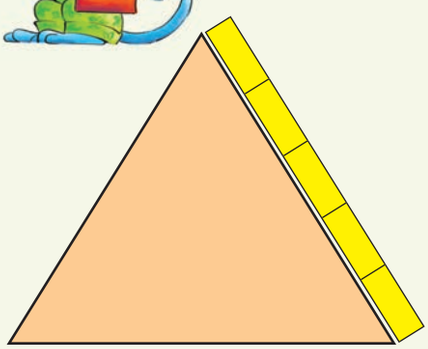
Qalisisa isithombe bese uphendula imibuzo.

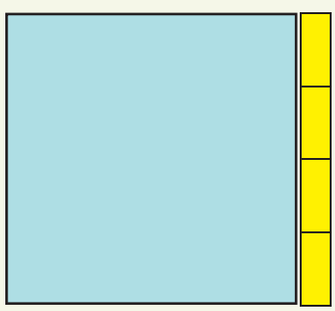
UJabu	UPam	UNomsa	UKen
			

Ngubani omude khulu?	Ngubani omfitjhani khulu?
Ngubani umsana omfitjhani khulu?	Ngubani umntazana omfitjhani khulu?

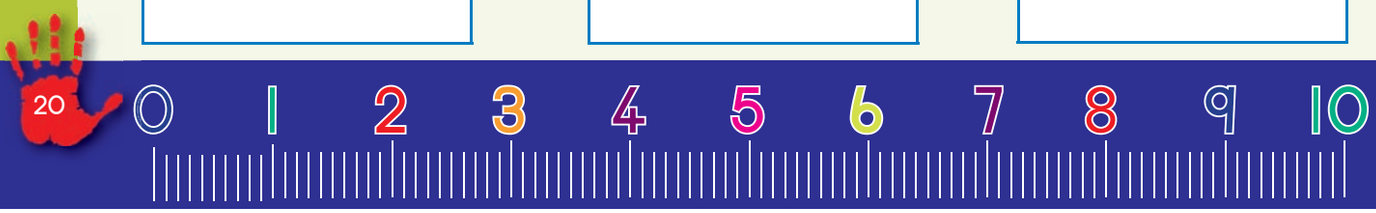


Amahlangothi amade wamajamo amabhlogo amangaki ubude?











Itafula lithatha amabhlogo angangani ubude kanye nobubanzi?
Itafula lithatha iimpensela ezingangani ubude nobubanzi?



Ububanzi bamabhlogo ____.

Ubude bamabhlogo ____.

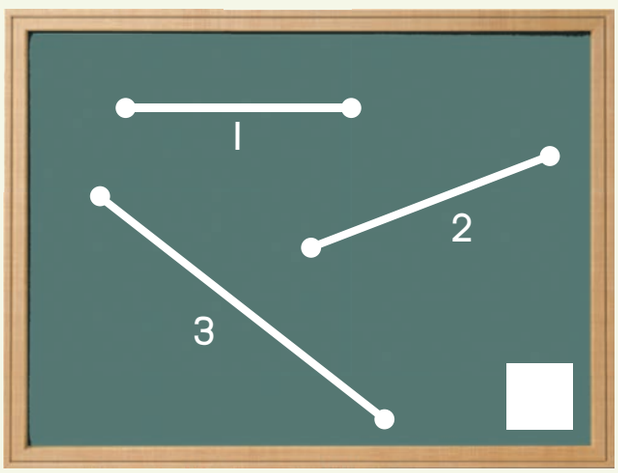


Ububanzi bamabhlogo ____.

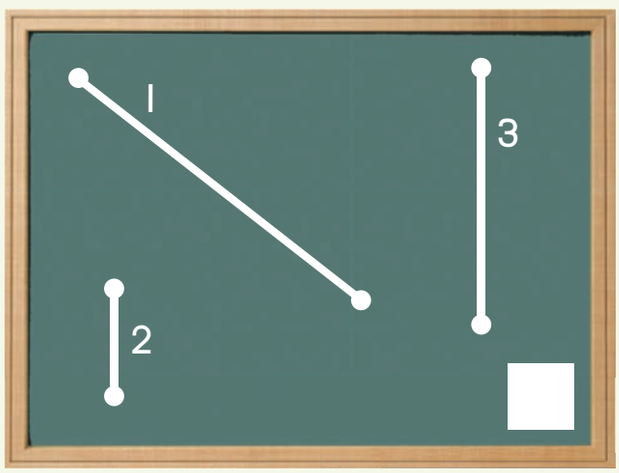
Ubude bamabhlogo ____.



Ngiwuphi umuda omfitjhani khulu? Umuda woku-1, wesi-2 nanyana wesi-3?



Ngiwuphi umuda omude khulu?
Umuda woku-1, wesi-2 nanyana wesi-3?



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Ilanga:

Imali netjhentjhi

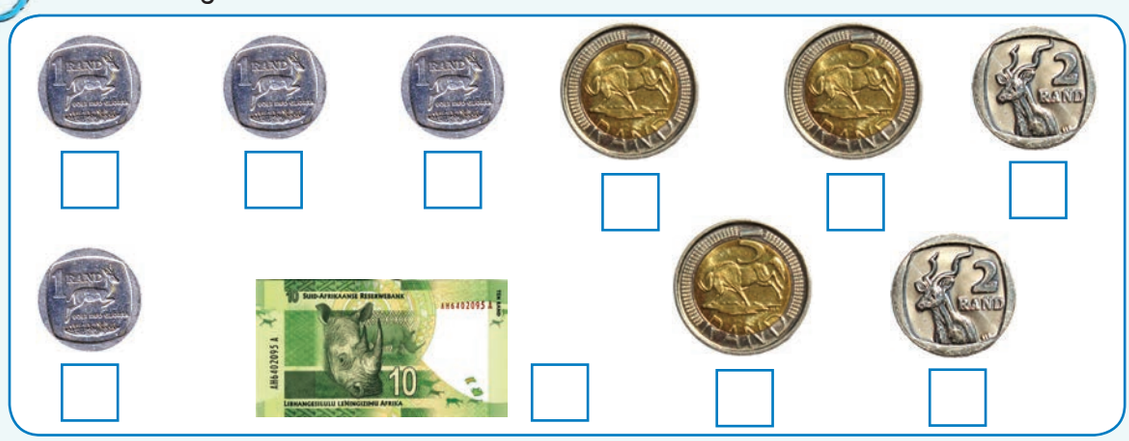
1 Emudeni ngamunye, thika inani eliphezulu.



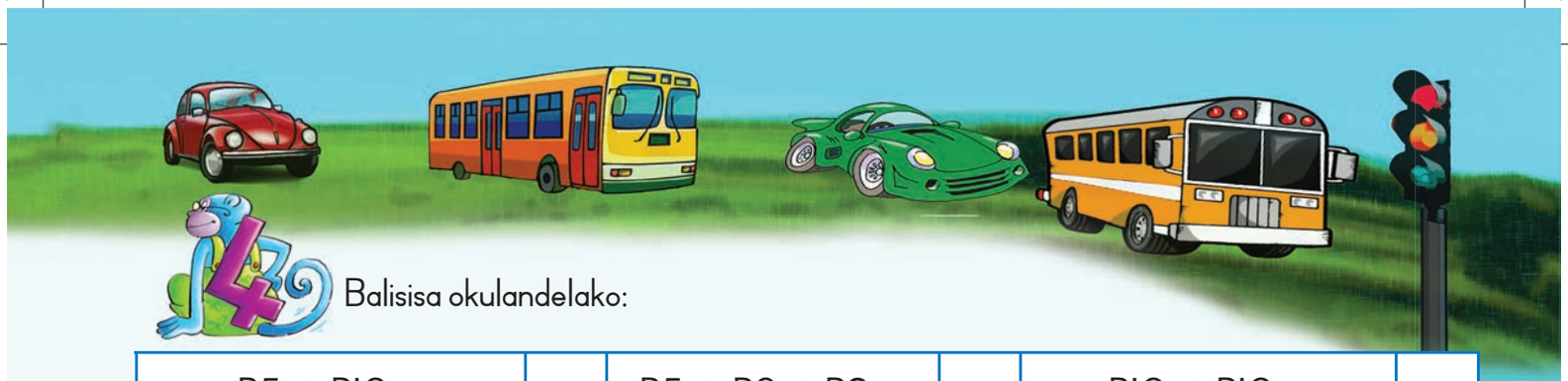
2 Thika imali yesimbi/emumuwa ezokwenza i-R10.



3 Thika imali yesimbi/emumuwa ezokwenza ama-R20.



0 1 2 3 4 5 6 7 8 9 10



4 Balisisa okulandelako:

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

5 Rarulula isibalo esilandelako:

Nginehlavu ye-R2 nehlavu ye-R5. Umngani wami uneenhlavu ezintathu zama-R2. Ngubani onemali enengi khulu?

Nginehlavu ye-R5 nehlavu ye-RI. Umngani wami uneenhlavu ezintathu ze mali ema-R5. Ngubani onemali enengi?

6 Nginemali ema-RI5:

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

7 Balisisa okulandelako:

Nginemali ema-RI5. Ngithenga iphakethe lamazimba ngama-R6. Ngizokusala ngemali engangani?

8 Yenze kobana inciphe ngama-R2.

RII		R4	
RI2		R6	
RIO		R8	

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Ilanga:

Imali netjhentjhi

1

Gwala imali yesimbi/emumuwa ukwenza:

RII	
RI2	
RI3	
RI4	

2

Thika bewutlole ipendulo ekungiyo.

RI8 – R8 = RIO





RI2 – R2 =





RI5 – R4 =





RI4 – R7 =





3

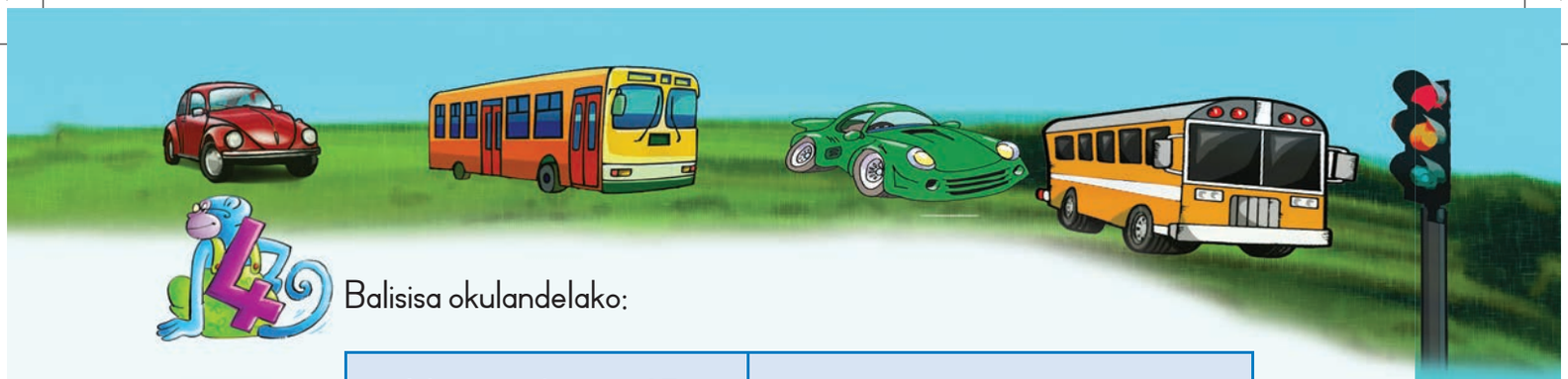
Balisisa okulandelako:

RI5 – RIO =	
RIO – RI – RI – R2 =	

R20 – R2 – R8 =	
R5 – R4 =	

R20 – R5 =	
RIO – RI – R5 – R2 =	





4 Balisisa okulandelako:

Nginemali ema-15. Ngithenga ngemali:	Ngisele ngamalini?
R2 begodu R4 =	R9
R8 begodu R4 =	
R12 begodu R2 =	
R5 begodu R5 =	
R8 begodu R7 =	
R10 begodu R2 =	
R8 begodu R2 =	
R6 begodu R2 =	
R4 begodu R2 =	
R2 begodu R2 =	
R9 begodu R6 =	
R10 begodu R2 =	

5 Nginemali ema-R15. Ngithenga iphakethe yamaswidi nge-R11. Gwala utjengise kobana usele ngemali engangani.



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Ilanga:

Imali: Ukuhlanganisa nokukhupha



Balisisa okulandelako:

R10 + R2 =		R10 + R5 =		R10 + R1 =	
R10 + R4 =		R10 + R7 =		R10 + R6 =	
R9 + R5 =		R8 + R4 =		R7 + R6 =	
R12 + R5 =		R14 + R2 =		R11 + R6 =	



Balisisa okulandelako:

R10 − R7 =		R10 − R2 =		R10 − R5 =	
R15 − R1 =		R15 − R15 =		R15 − R2 =	
R12 − R2 =		R14 − R7 =		R16 − R6 =	
R15 − R6 =		R12 − R9 =		R14 − R4 =	

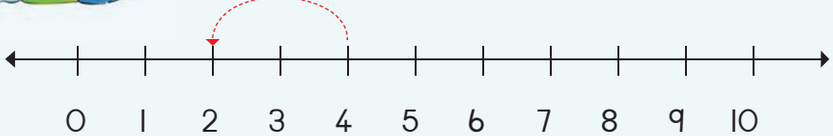


Siza isiswebu ukuqedelela iimbalo.

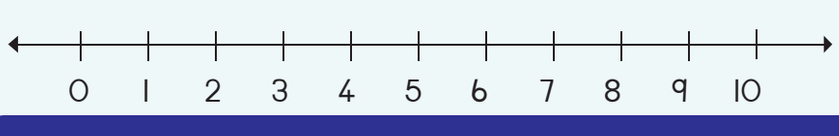
R16	−R4	
R14		
R10		
R12		



Nciphisa ngemali ema-R2.

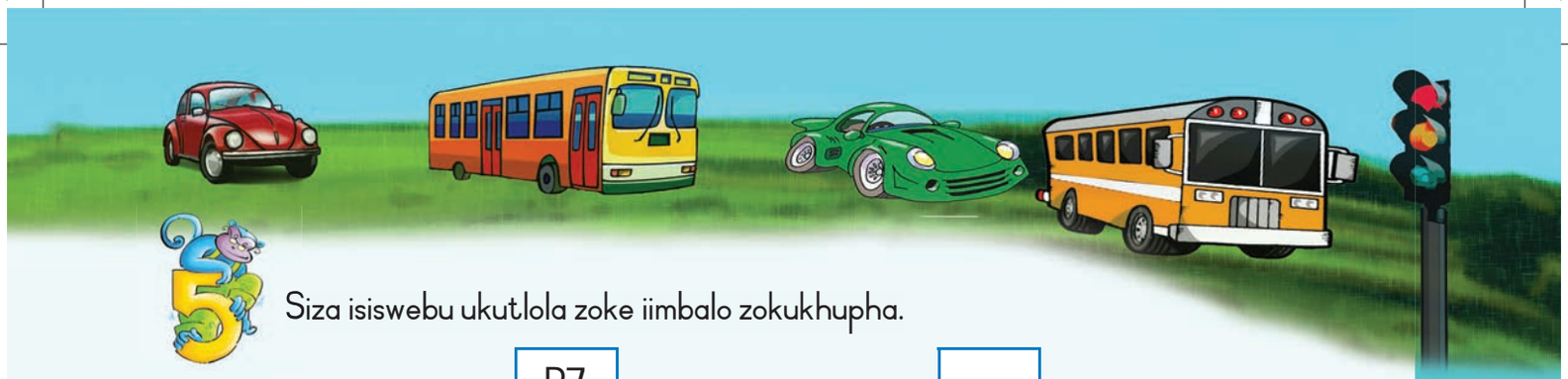


R4 − R2 =



R7 − R2 =

0 1 2 3 4 5 6 7 8 9 10



5 Siza isiswebu ukutlola zoke iimbalo zokukhupha.

R7	−R2	
R5		
R2		
R9		

Rarulula okulandelako.

Bewunemali ema-R12. Umma wakupha enye ema-R12. Kwanje sewunamalini?

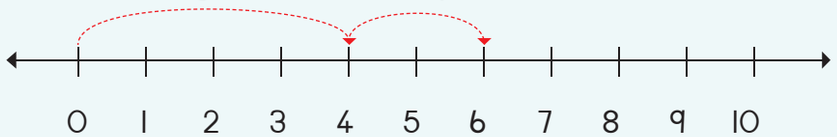
Bewunemali ema-R19. Uthenge amaswidi ngama-R8. Usele ngamalini?

7 Ngibulunge imali engangani?

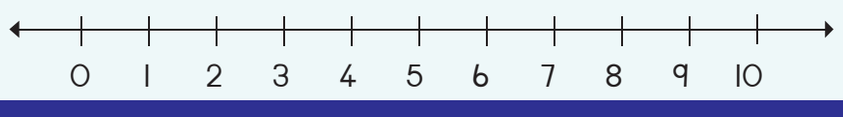


8 Tjengisa isibalo kunambalayini bese ubalisisa ipendulo.

R4 + R2 =



R8 + R2 =



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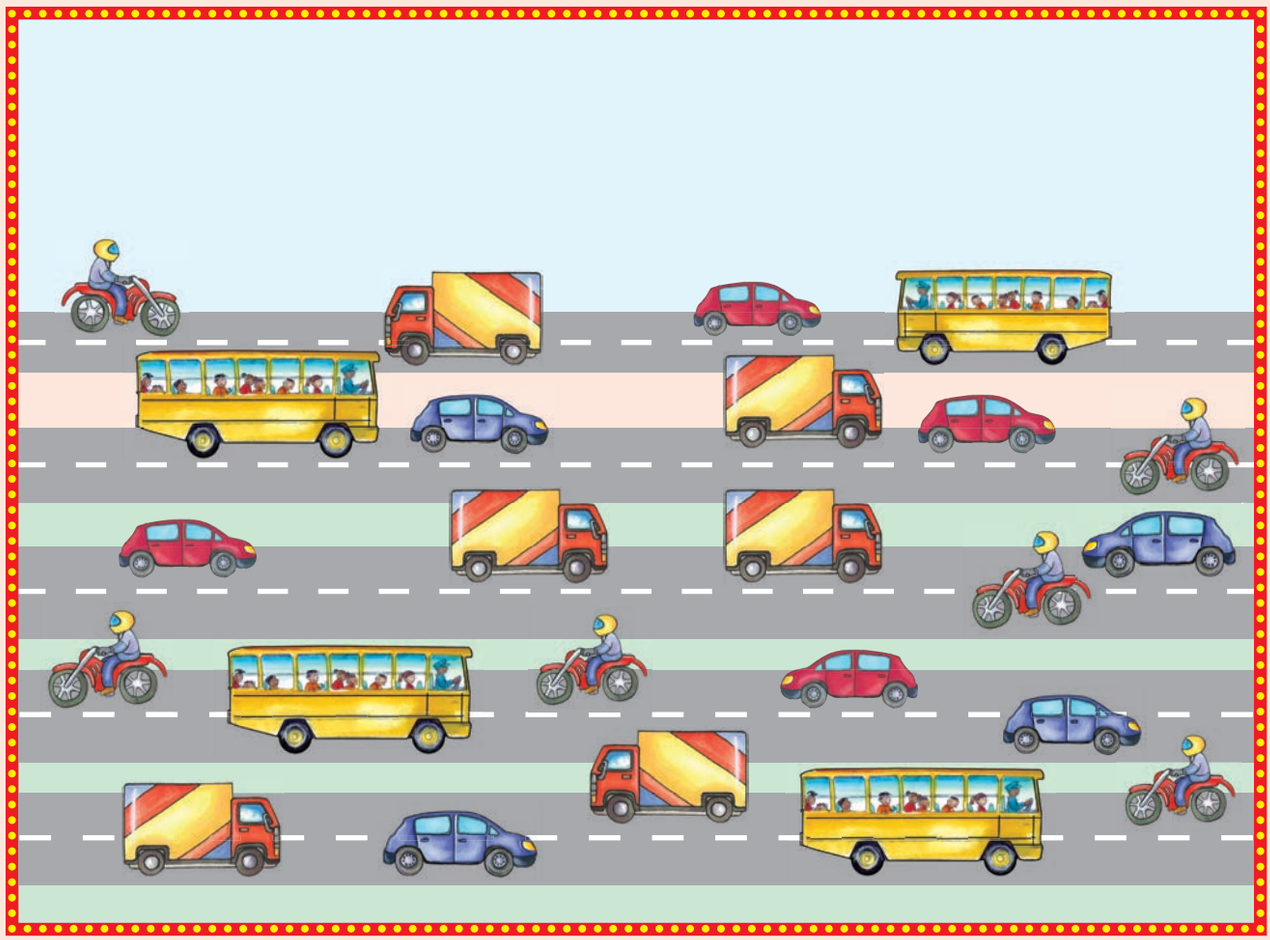
Ilanga:

Idatha

Bala kobana ubona imihlobo emingaki yeenkoloyi.











0 1 2 3 4 5 6 7 8 9 10



Bala amajamo bese ukhalara itjhadi elingenzasi ukutjengisa kobana umhlobo ngamunye unenani elinganganí.
Ngemva kwalapho uphendule imibuzo.



5						
4						
3						
2						
1						
	▲	●	■	♥	★	⬮

Ubunengi bakhona _____.

Ubuncani bakhona _____.

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Ilanga:

Ilanga nesikhathi

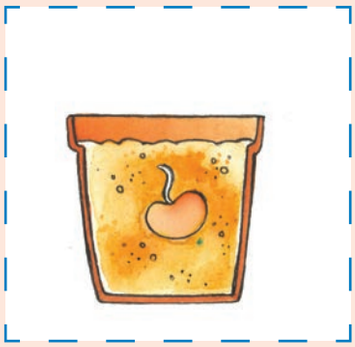
Cocisanani ngeenthombe bese nizibeka ngendlela ezilamana ngayo.



1



2



3

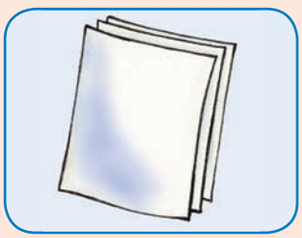


4

0 1 2 3 4 5 6 7 8 9 10



Sebenzisa amakarada wokuhlela akuboSika boku-1 ukuqedelela igrafu yeenthombe.



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Amabuthelelo wangakuhlanu bekufike e-15

Ukubuyekeza:

Zijayeze ukutlola ibizo lenomboro.

5 kuhlanu



Qalisisa isithombe bese uphendula umbuzo.



Ungenza amabuthelelo wangaku-5 amangaki?



Qalisisa isithombe.
Isibalo lesi singatlolwa ngale indlela:

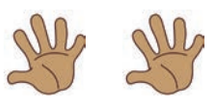
Gwala ipendulo yakho lapha.



Ibuthelelo elilodwa langaku-5 lenza oku-5



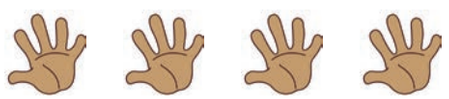
Bala imino bese utlola ipendulo.



5 + 5 =



5 + 5 + 5 =



5 + 5 + 5 + 5 =

Amabuthelelo amabili wangakuhlanu enza i-10

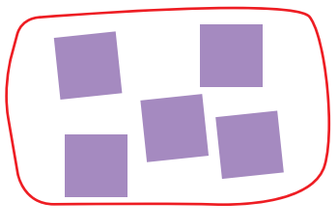
0 1 2 3 4 5 6 7 8 9 10

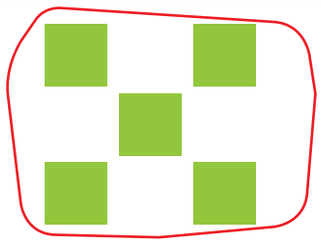


Gwala iiyingi undulungele okulandelako ukwenza:

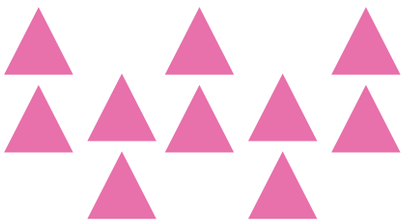
Tlola imitjho yeenomboro yalokhu okulandelako:

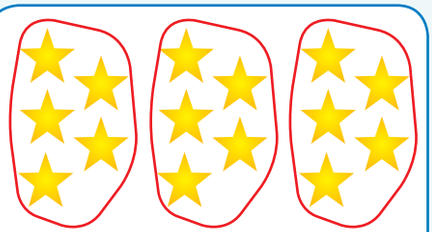
Ibuthelelo elilodwa langaku-5 lenza oku-5



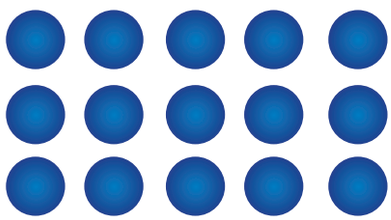


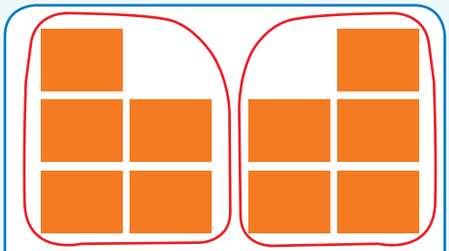
Amabuthelelo ama-2 wangaku-5





Amabuthelelo ama-3 wangaku-5





Ungabeka amabuthelelo wangakuhlanu amangaki ngalokhu?

10	begodu	0		amabuthelelo
8	begodu	2		amabuthelelo
6	begodu	4		amabuthelelo
4	begodu	1		amabuthelelo
2	begodu	3		amabuthelelo

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Date:

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Ngakuhlanu: ukuhlanganisa okubuyelelweko bekufike e-15

Ukubuyekeza:

Ukubuyekeza: Qedelela ngeenomboro ezitlhayelako.





Mazwani amangaki nanyana mimino emingaki? Tlola umutjho weenomboro.







Gwala:

Ibuthelelo lamabhanana amahlanu	Amabuthelelo amabili wamabhanana ibuthelelo ngalinye



Gwala amajamo wokulandelako.

5 + 5 = 10

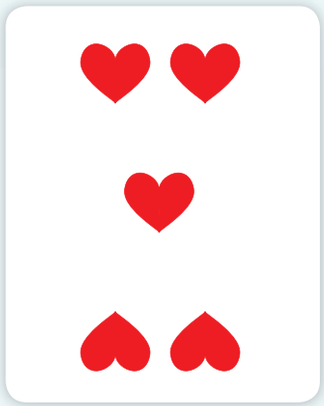
5 + 5 + 5 = ☐

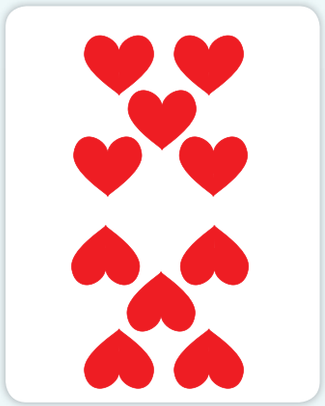




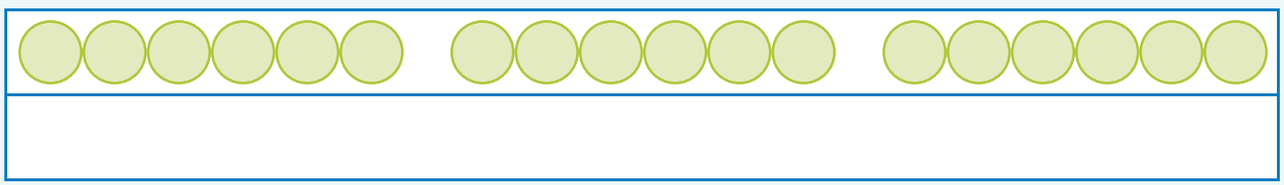


Ndulungela bewubale kobana ungabeka amabuthelelo wangakuhlanu amangaki kelinye elinye ikarada.





Tlola umutjho weenomboro walokhu:



Sebenzisa imibala eyahlukeneko ukutjengisa iinomboro ozoyisebenzisa ukubeka amabuthelelo wangakuhlanu.

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

Ungabeka amabuthelelo wangakuhlanu amangaki?

1	begodu	14	kwenza		amabuthelelo
13	begodu	2	kwenza		amabuthelelo
8	begodu	2	kwenza		amabuthelelo
7	begodu	8	kwenza		amabuthelelo
9	begodu	2	kwenza		amabuthelelo

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



Ilanga:

Ngakuhlanu bekufike e-15

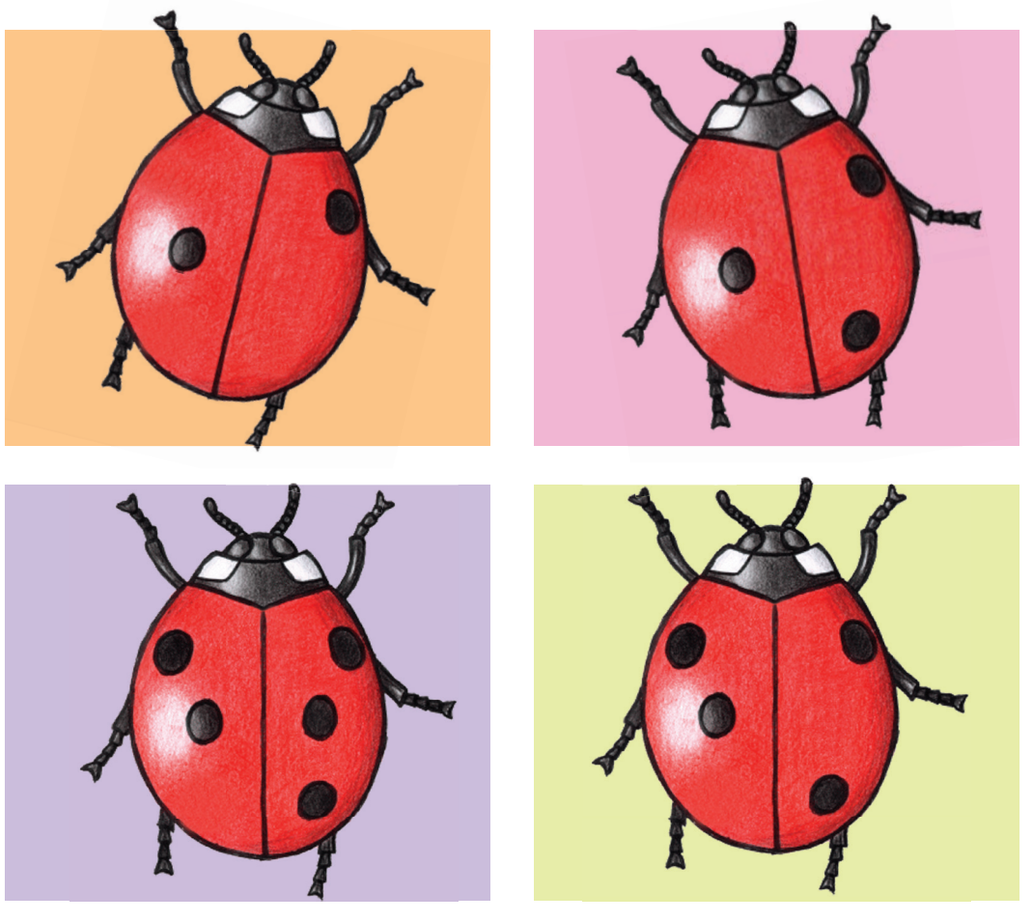


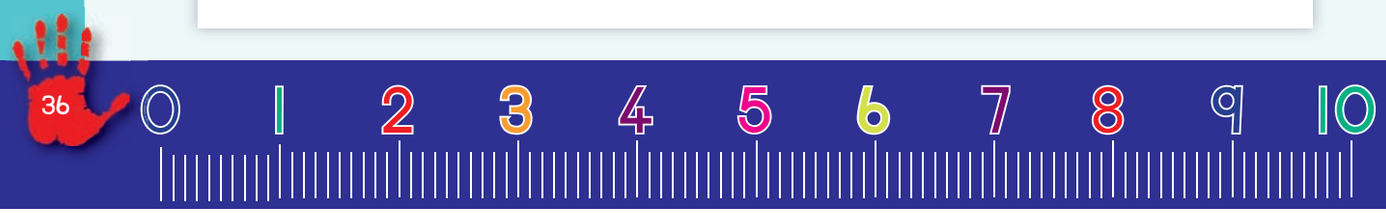
Tlola iinomboro ezitlhayelako.

1		3		5		7	8	9	
11	12								



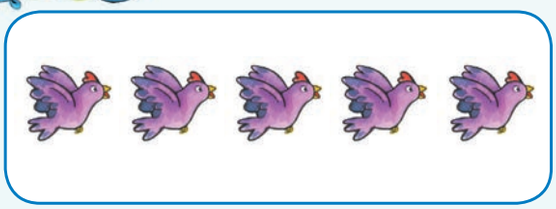
Beka amabuthelelo wangakuhlanu. Unomabhonjwana ngamunye umele abe namacaphazi amahlanu ephikweni ngalinye.
Gwala amacaphazi atlhayelako.

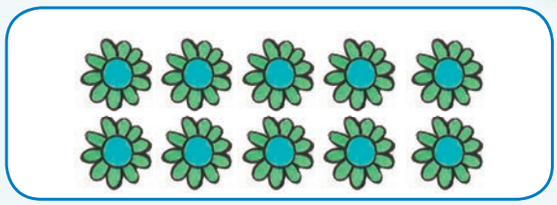


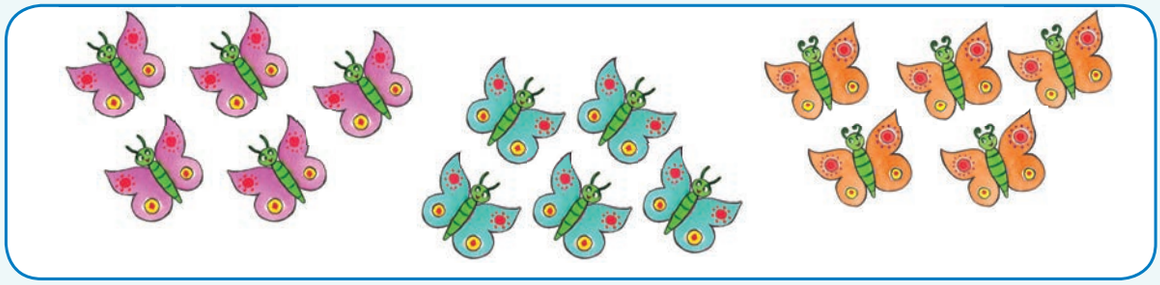




Tlola umutjho weenomboro walokhu okulandelako.







Balisisa okulandelako:

0 + 5 = ☐

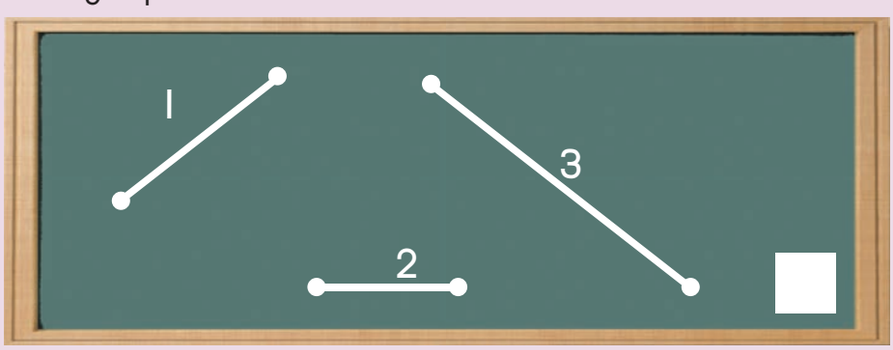
5 + 5 = ☐

5 + 5 + 5 = ☐

5 + 5 + 5 + 5 = ☐

Ukubuyekeza:

Ukubuyekeza: Ngiwuphi umuda omude?



Teacher:
Sign:
Date:



83

Ilanga:

Amaphetheni weenomboro zangakuhlanu bekufike ema-50

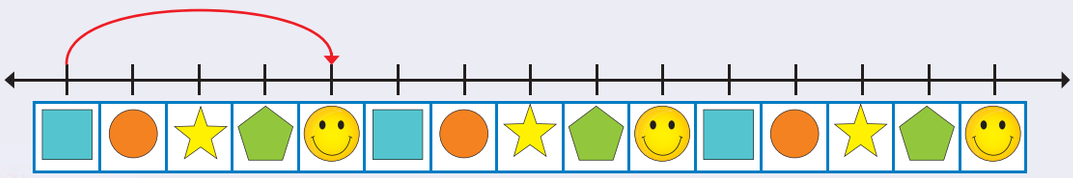


Qedelela iphetheni yangakuhlanu ngokukhalara phezu kweenomboro.

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

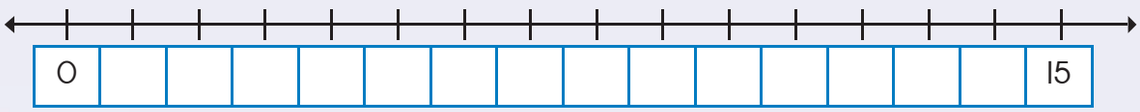


Gwala amawulawubhu ukutjengisa amabuthelelo wangakuhlanu.





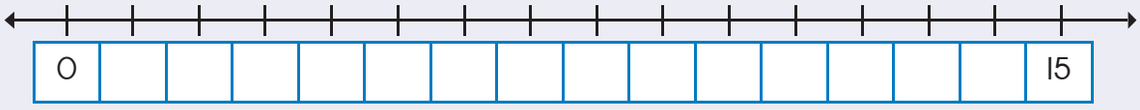
Qedelela ngeenomboro ezitlhayelako bese ugwala amawulawubhu ukutjengisa amabuthelelo wangakuhlanu.





Qedelela inambalayini. Gwala amawulawubhu ukutjengisa amabuthelelo wangakuhlanu.

Kunamabuthelelo ____ wangakuhlanu.







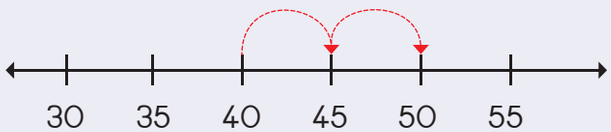
Sika iinomboro ezitlhayelako kiboSika bakho besi-2 bese uzibeke phezu kwenambalayini.

	31	32	33	34		36	37	38	39	

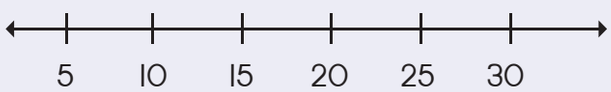
	41	42	43	44		46	47	48	49	

Gwala amawulawubhu ukutjengisa okulandelako:

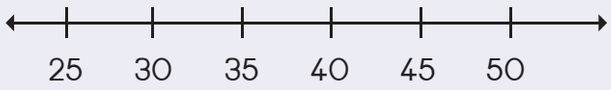
40, 45, 50



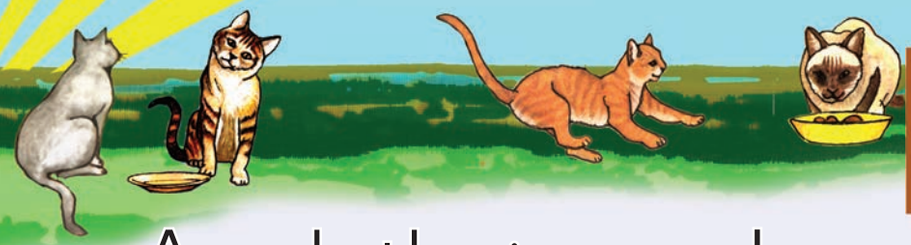
10, 15, 20



25, 30, 35



Teacher:
Sign:
Date:



Ilanga:

Amaphetheni weenomboro

1 Esithombeni, ubona amabuthelelo wangakuhlanu amangaki?



2 Qedelela iinthombe ezilandelako ukutjengisa amabuthelelo amabili wangakuhlanu ebhlogweni ngalinye.





0 1 2 3 4 5 6 7 8 9 10



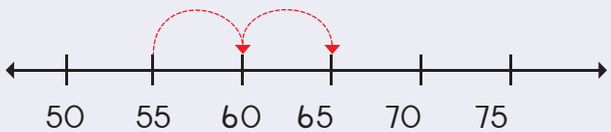
Sika iinomboro ezitlhayelako kiboSika besi-2 bese uzibeka enambalayinini.

	61	62	63	64		66	67	68	69	

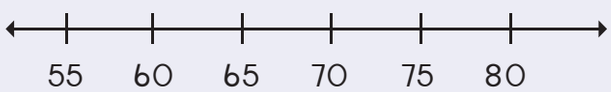
	71	72	73	74		76	77	78	79	

Gwala amawulawubhu ukutjengisa okulandelako:

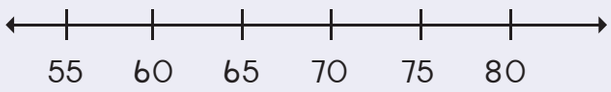
55, 60, 65



65, 70, 75



70, 75, 80



Teacher:
Sign:
Date:



Ilanga:

Ukubuyelela kabili

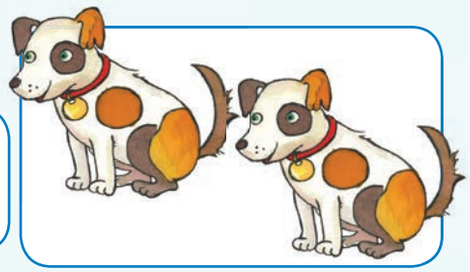
Ithemu 3



Buyelela kabili izinto bese utlola ipendulo.

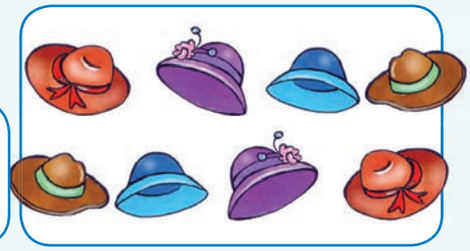


u-1 nakabuyelelwe kabili, ipendulo ☐





u-4 nakabuyelelwe kabili, ipendulo ☐



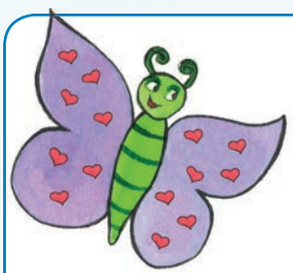


u-5 nakabuyelelwe kabili, ipendulo ☐





Bala amajamo wephiko leviyaviyani ngalinye.
Qedelela inomboro ebuyelelwe kabili emutjhweni weenomboro.



7 + 7 =

nanyana

u-7 obuyelelwe kabili =



5 + 5 =

nanyana

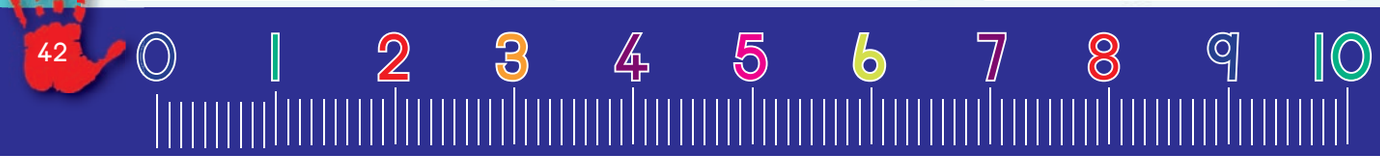
u-5 obuyelelwe kabili =

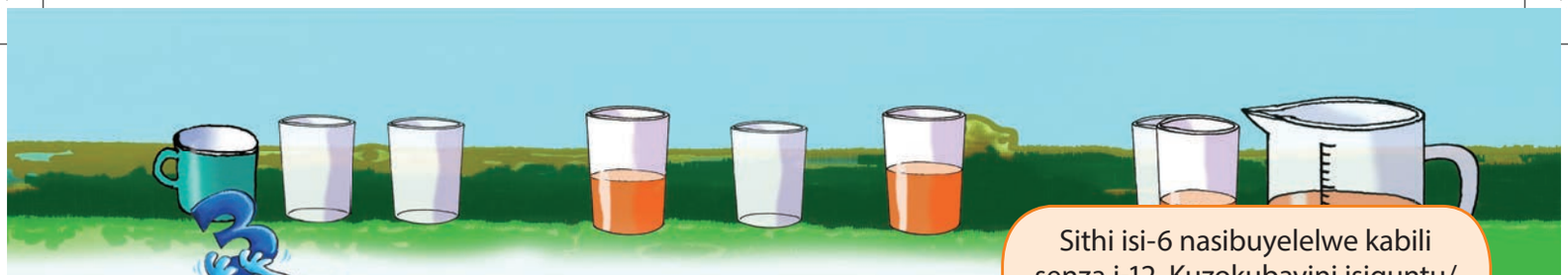
2 + 2 =

nanyana

u-2 obuyelelwe kabili =

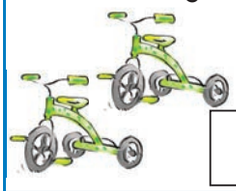
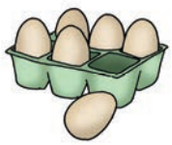
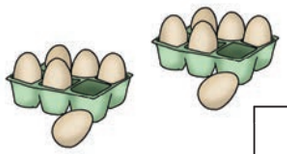






Sithi isi-6 nasibuyelelwe kabili senza i-12. Kuzokubayini isiquntu/ihafu yaka-12? _____

Qedelela okulandelako:

Ubona amavili amangaki?	Kwanje ubona amavili amangaki?	Kunamaqanda amangaki ekhathunini?	Kwanje sekunamaqanda amangaki?
			

Bala amacaphazi bese uwabuyelela kabili.

1	ukubuyelela kabili →		2
2	ukubuyelela kabili →		
3	ukubuyelela kabili →		
4	ukubuyelela kabili →		
5	ukubuyelela kabili →		

Buyelela kabili iinomboro.

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

Qedelela okulandelako:

Iveke inamalanga amangaki?

Snd	Mvl	Lsb	Lst	Lsn	Lsh	Mqb

Iimveke ezimbili zinamalanga amangaki?

Snd	Mvl	Lsb	Lst	Lsn	Lsh	Mqb	Snd	Mvl	Lsb	Lst	Lsn	Lsh	Mqb

Sithi i-7 nalibuyelelwe kabili lenza i-14. Kuzokubayini isiquntu/ihafu ye-14?

Ubona iinyawo ezingaki?



Kwanje ubona iinyawo ezingaki?



Sithi oku-2 nakubuyelelwe kabili kwenza oku-4. Kuzokubayini isiquntu/ihafu yaka-4?

Qedelela okulandelako:

2 + 2 + 1 =	5	nanyana	Ukubuyelela kabili 2 + 1 = 5
4 + 4 + 1 =		nanyana	
7 + 7 + 1 =		nanyana	

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



86

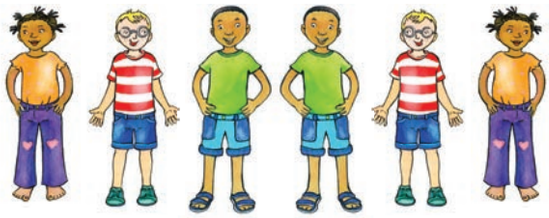
Ilanga: _____

Amahafu

Tlola isiphambano phezu kwehafu yabantwana bese utlola ipendulo.



Ihafu yaka-4 _____



Ihafu yaka-6 _____



Ihafu yaka-2 _____



Ihafu yaka-8 _____

Tlola isiphambano phezu kwehafu bese utlola ipendulo.



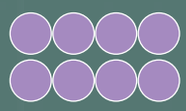
Ihafu yaka-2 = ☐



Ihafu yaka-4 = ☐



Ihafu yaka-6 = ☐



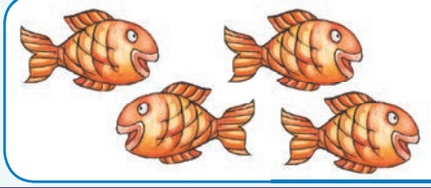
Ihafu yaka-8 = ☐



Ihafu yaka-10 = ☐



Kuneenhlambi ezingaki?



☐

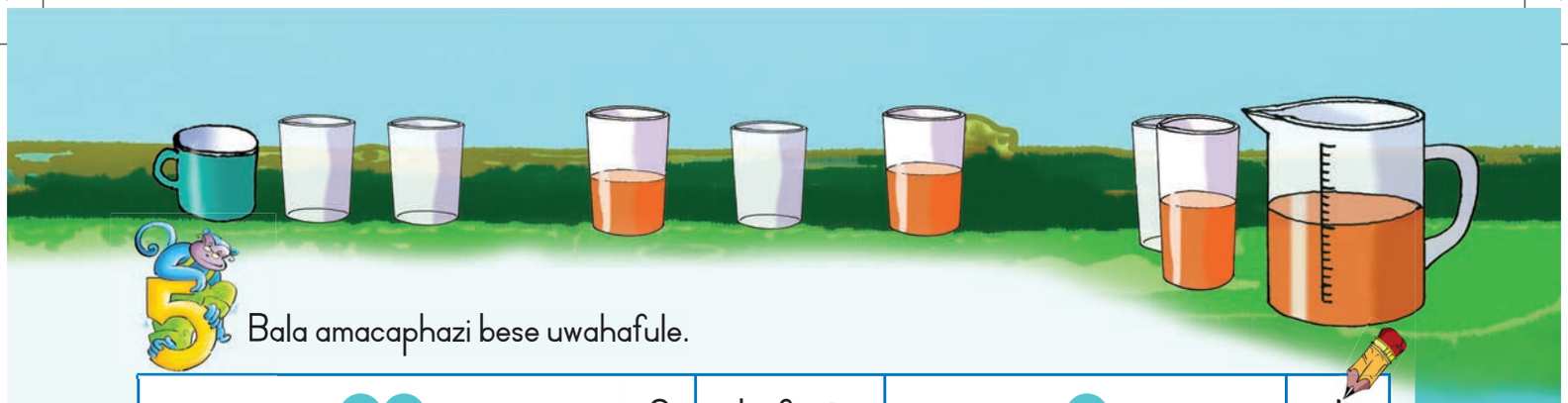


Ihafu yeenhlambi ilingana?



☐





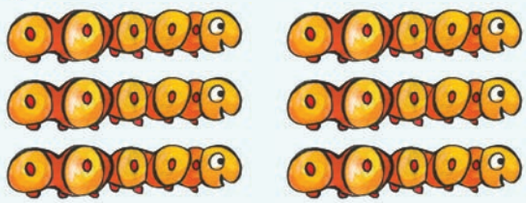
5 Bala amacaphazi bese uwahafule.

●●	2	ihafu →	●	1
●●●●	4	ihafu →	●●	
●●●●●●	6	ihafu →	●●●	
●●●●●●●●	8	ihafu →	●●●●	
●●●●●●●●●●	10	ihafu →	●●●●●	

6 Hafula iinomboro.

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

7 Kuneembungu ezingaki?



☐

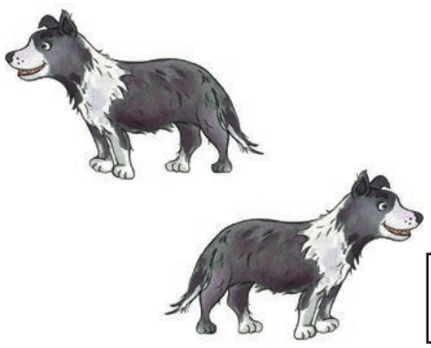
Ihafu yeembungu ilingana na-:



☐

8 Phendula okulandelako:

Kuneenyawo ezingaki?



☐

Kwanje kuneenyawo ezingaki?



Sithi ihafu yaka-8 ilingana ☐

Teacher:
Sign:
Date:

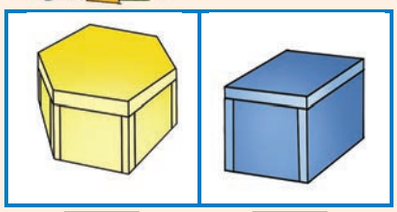


Ilanga:

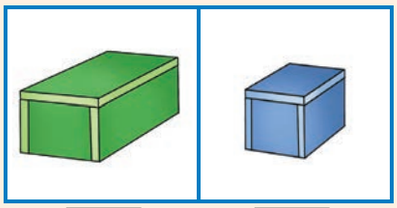
Izinto ezima-3D



Thika into encani khulu.

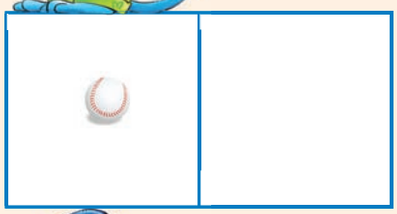


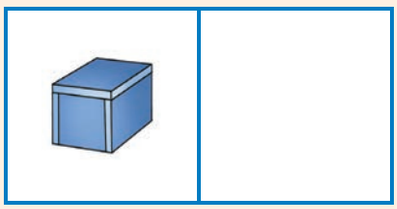






Gwala into ekulu ngesandleni sokudla sesithombe esinye nesinye.

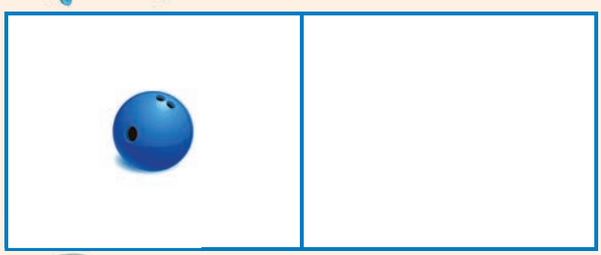




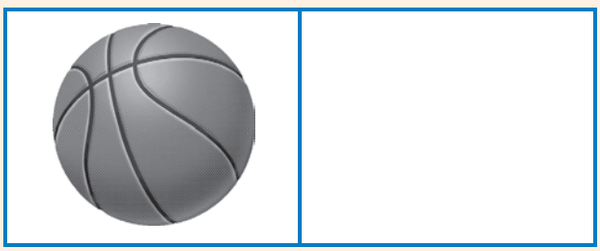




Gwala ibholo ekulu khulu bese ulandelise ngebholo ehlaza sasibhakabhaka.

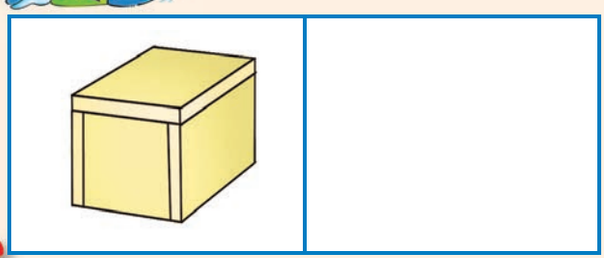


Gwala ibholo encani kubeyibholo esamlotha.

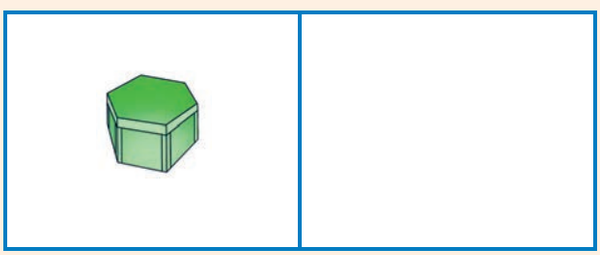




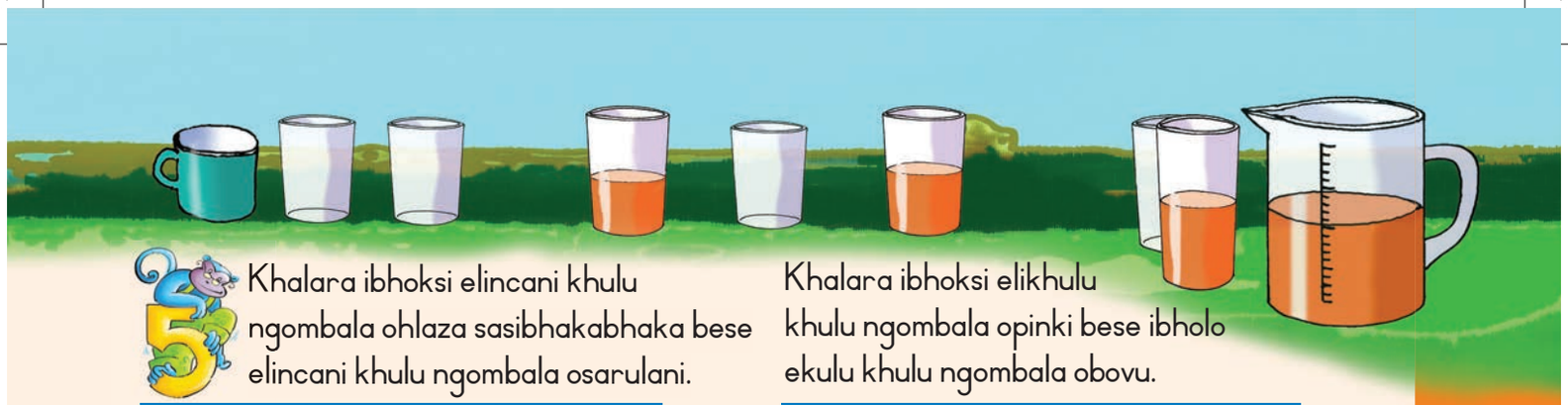
Gwala ibhoksi elincani kunebhoksi elisarulani.



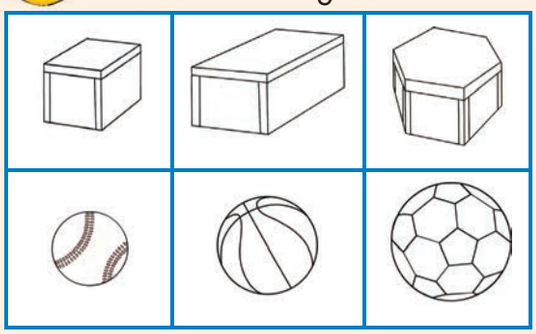
Gwala ibhoksi elikhulu kunebhoksi elihlaza satjani.



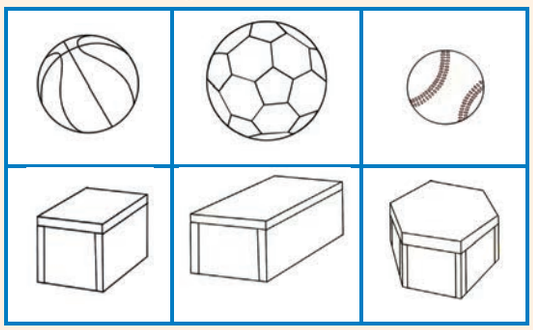




Khalara ibhoksi elincani khulu ngombala ohlaza sasibhakabhaka bese elincani khulu ngombala osarulani.



Khalara ibhoksi elikhulu khulu ngombala opinki bese ibholo ekulu khulu ngombala obovu.



Ungawakha umbhotjhongo ngezinto ezilandelako? Khalara u-Iye nanyana u-Awa.



iye	awa



iye	awa



iye	awa

Sika iinthombe kibomegazini nanyana emaphephandabeni bese uzinamathisele uzenzele yakho imibhotjhongo emibili.

Khumbula: Imibhotjhongo kumele ibhalanse.

Teacher:
Sign:
Date:

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Ilanga:

Izinto ezima-3D – Ukutjhelela nokugedeka



Ingabe izinto ezilandelako zizokugedeka nanyana zizokutjhelela?
Khalara ipendulo ekungiyo.



ukugedeka	ukutjhelela



ukugedeka	ukutjhelela



ukugedeka	ukutjhelela



ukugedeka	ukutjhelela



Ingabe okulandelako kungenzeka?
Khalara ipendulo enembako.



iye	awa



iye	awa



iye	awa

0 1 2 3 4 5 6 7 8 9 10



Hlela izinto ezilandelako ngokuthi uzigwale ngaphakathi kwebhlogo elinembako.

	Iimbholo	Amabhoksi
		

Hlela izinto ezilandelako ukuya ngobukhulu bazo bewuzigwale.

	Iimbholo ezincani	Amabhoksi amancani
	Iimbholo ezikulu	Amabhoksi amakhulu

Teacher:
Sign:
Date:



Ilanga:

Amaphetheni wejiyomethri

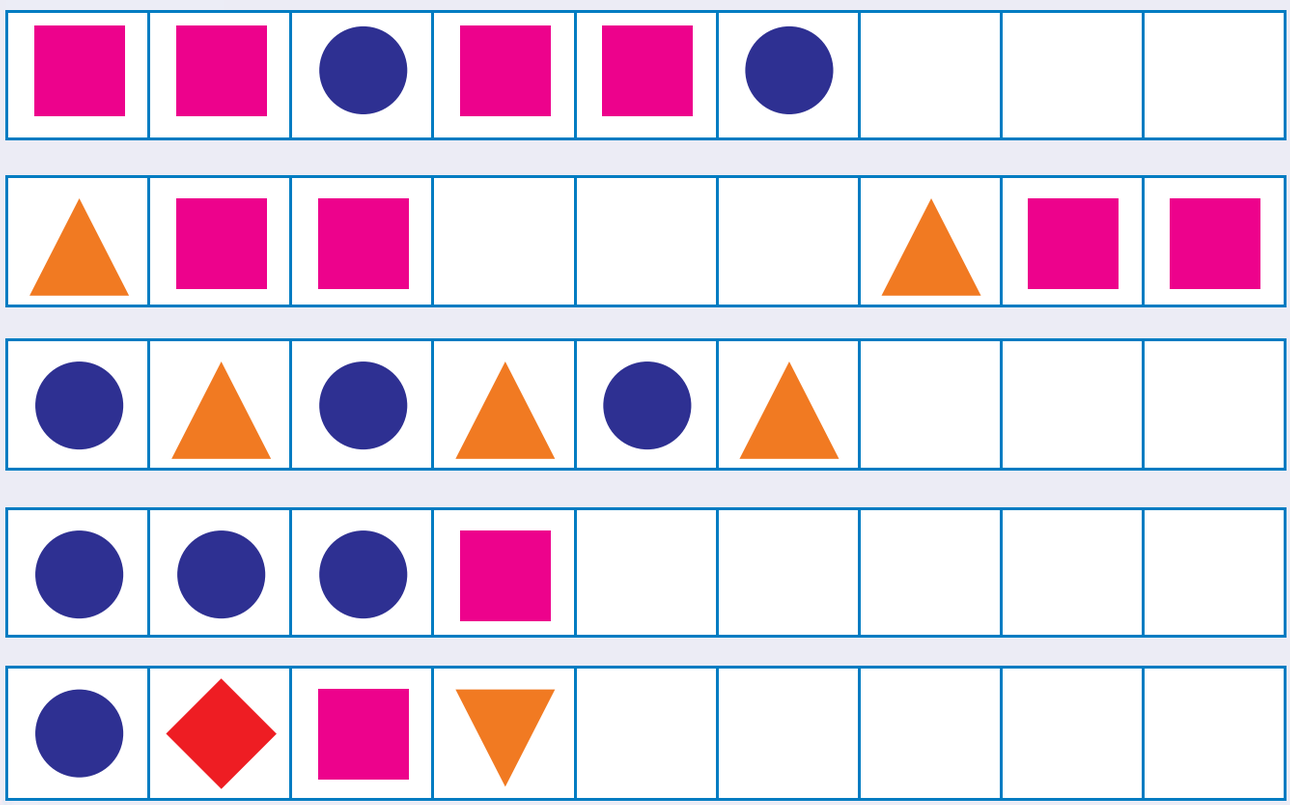
Ukubuyekeza:

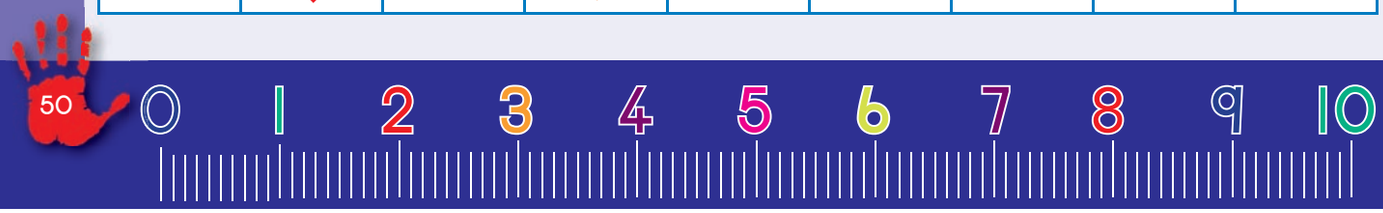
Gwala okulandelako:

Isiyingi	Isikwere	Uncane/irekthengela



Qedelela amaphetheni.







Yenza umgwalo uqedelele iphetheni.



Gwala amaphetheni ekungewakho.



Namathisela iinthombe ukwenza iphetheni ekungeyakho.

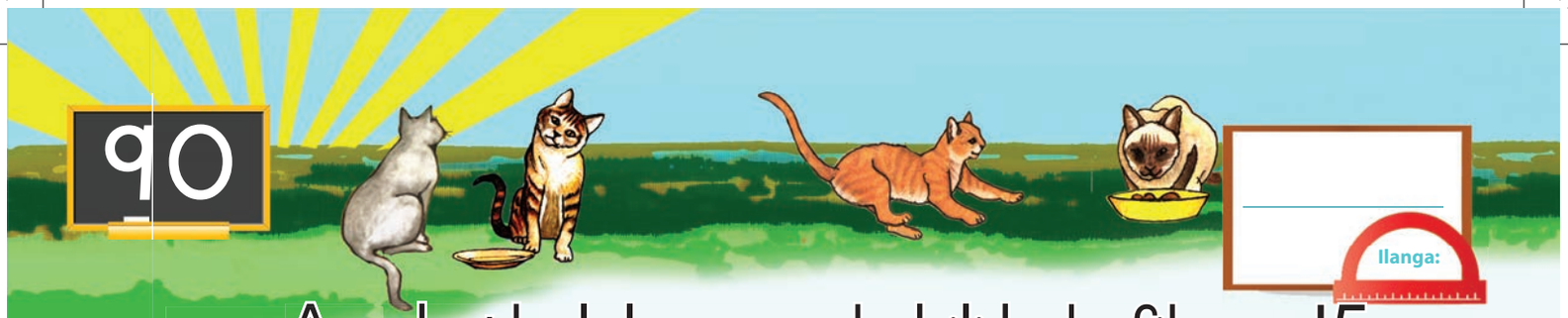


Qedelela iphetheni elandelako:

A	B	C	A	B	C				A	B	C

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



Amabuthelelo wangakubili bekufike e-15

1 Tlola ibizo lenomboro ejanyelwe litshwayo.

2	kubili

2 Phendula imibuzo.



Ubona amaphengwini amangaki? ☐

Ubona iimpara zeenyawo ezingaki? ☐

Tlola ipendulo yakho njengenomboro. ☐

3 Phendula imibuzo.



Ubona iincwadi ezingaki? ☐

Ungenza amabuthelelo wangakubili amangaki? ☐

Tlola ipendulo njengomutjho weenomboro. ☐

4 Tlola ibizo lenomboro ejanyelwe litshwayo.

4	

5 Bala iimpiko, bese uqedelela ngependulo.



2 + 2 =

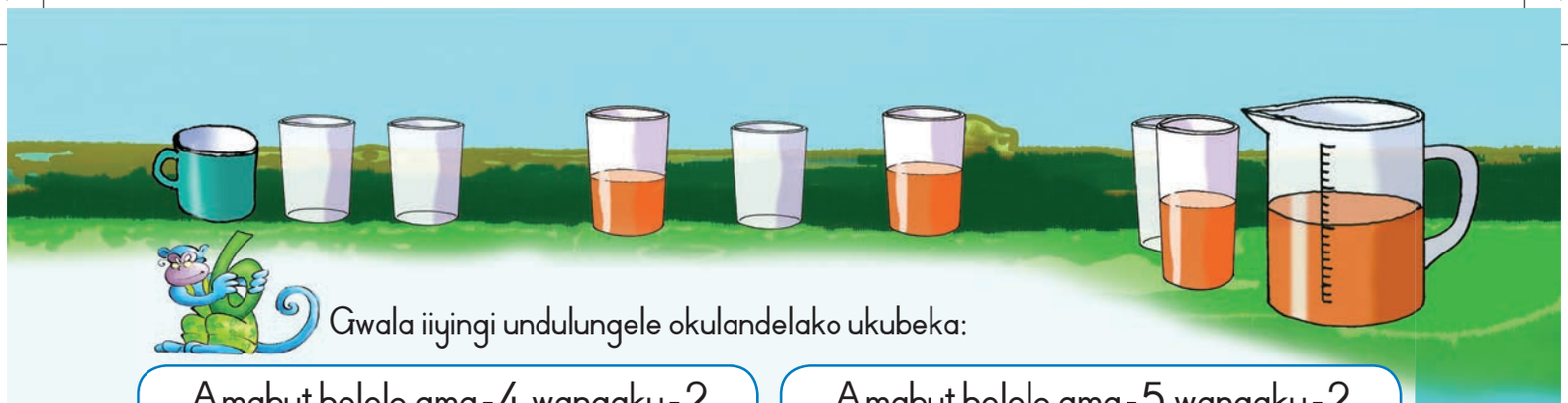


2 + 2 + 2 =



2 + 2 + 2 + 2 =



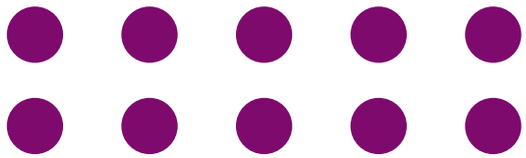


Gwala iiyingi undulungele okulandelako ukubeka:

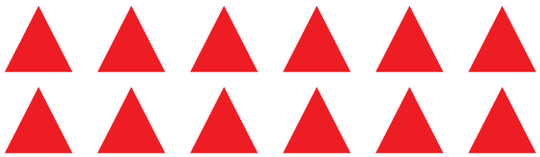
Amabuthelelo ama-4 wangaku-2



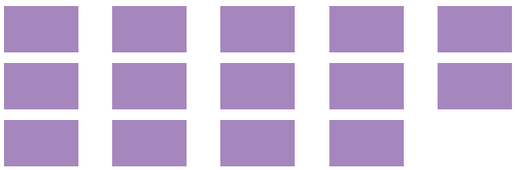
Amabuthelelo ama-5 wangaku-2



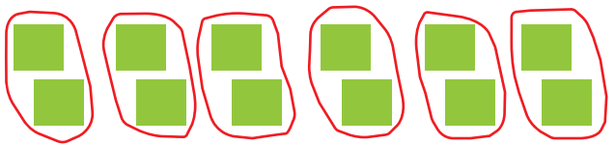
Amabuthelelo asi-6 wangaku-2

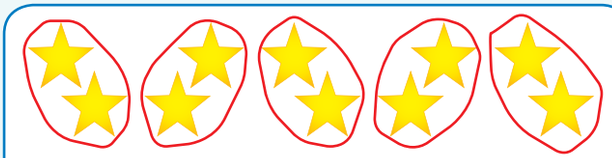


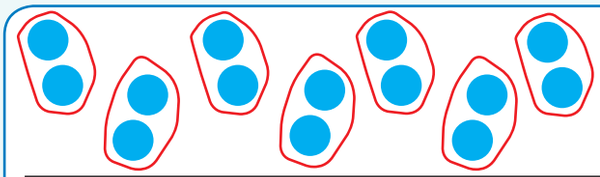
Amabuthelelo ali-7 wangaku-2

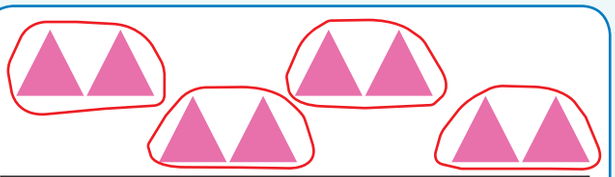


Tlola umutjho weenomboro walokhu okulandelako:









Ungabeka amabuthelelo wangakubili amangaki?

i-13 naku-1 kuzokwenza	amabuthelelo	i-12 naku-1 kuzokwenza	amabuthelelo
i-11 naku-1 kuzokwenza	amabuthelelo	Oku-1 naku-1 kuzokwenza	amabuthelelo
i-9 naku-1 kuzokwenza	amabuthelelo	Oku-1 noku-1 kuzokwenza	amabuthelelo
i-7 naku-1 kuzokwenza	amabuthelelo	i-10 ne-0 kuzokwenza	amabuthelelo

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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Ilanga:

Ukuhlanganisa okubuyelelwe kabili bekufike e-15



Ubona imilenze emingaki?

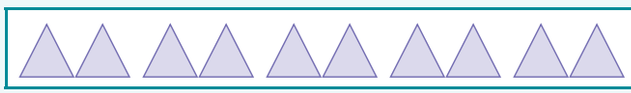


Ubale njani?



Gwala amajamo ukutjengisa okulandelako:

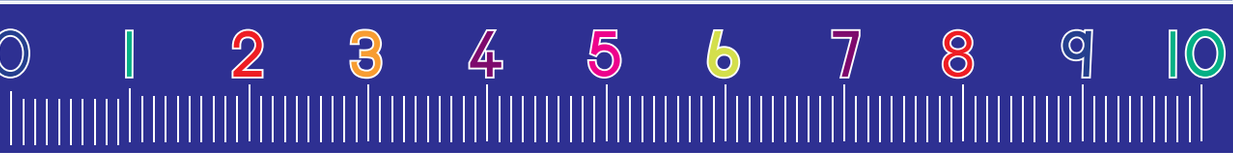
2 + 2 + 2 + 2 + 2 = ☐



2 + 2 + 2 + 2 + 2 + 2 + 2 = ☐

2 + 2 + 2 + 2 = ☐

2 + 2 + 2 + 2 + 2 + 2 = ☐





Tlola umutjho weenomboro walokhu okulandelako:

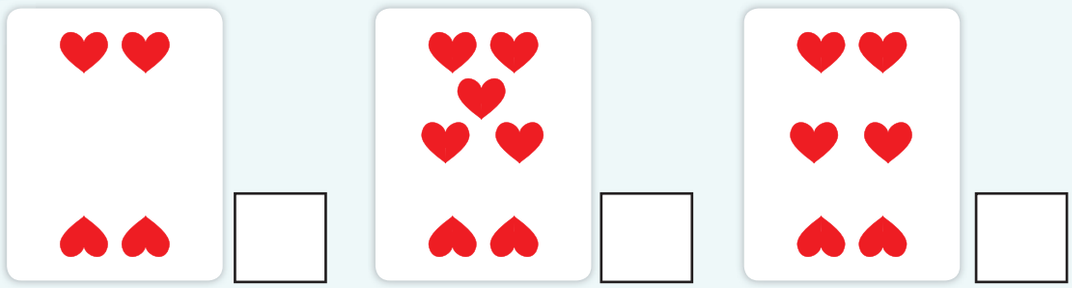
2 + 2 + 2 + 2 + 2 = ☐

☐

☐

☐

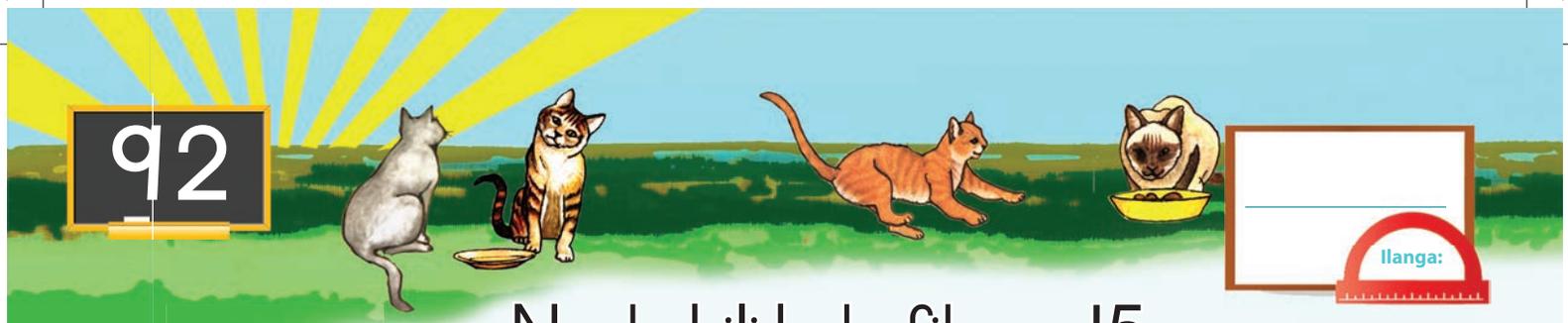
Ndulungela bewubale kobana mabuthelelo amangaki wangakubili ongawabeka ekaradeni ngalinye.



Qedelela iphetheni yeenomboro ukwenza amabuthelelo amabili wangakubili.

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

Teacher:
Sign:
Date:



92

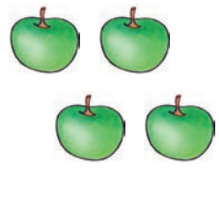
Ilanga:

Ngakubili bekufike e-15

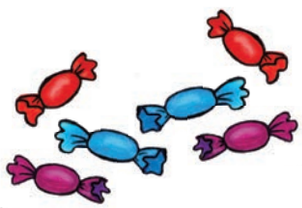
Tlola inomboro etlhayelako.

1		3		5		7		9	
11		13		15					

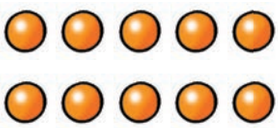
Beka amabuthelelo wangakubili.
Ndulungela elinye nelinye ibuthelelo langakubili.



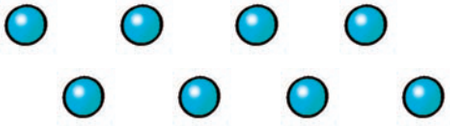

Kunamabuthelelo wama-apula amangaki?
Umntwana ngamunye uzokufunyana ama-apula amangaki?




Kunamabuthelelo wamaswidi amangaki?
Umntwana ngamunye uzokufunyana amaswidi amangaki?




Kunamabuthelelo wamamabula amangaki?
Umntwana ngamunye uzokufunyana amamabula amangaki?




Kunamabuthelelo wamamabula amangaki?
Umntwana ngamunye uzokufunyana amamabula amangaki?

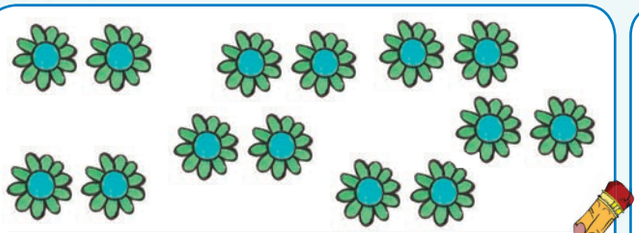




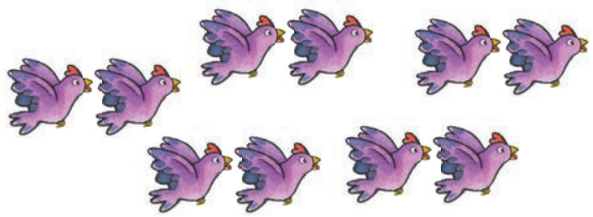
Tlola inomboro etlhayelako.

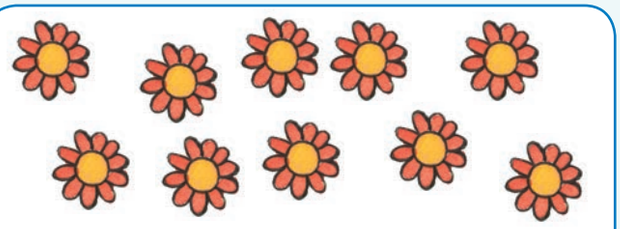
1	2	3	4		6	7	
2	4		8	10		14	16
0	3	6		12		18	21

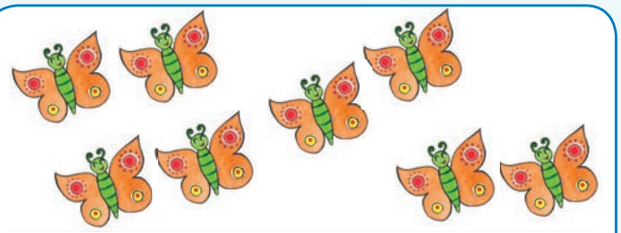
Tlola umutjho weenomboro usebenzise abo-2.



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







Balisisa okulandelako:

2 + 2 + 2 =	
2 + 2 + 2 + 2 =	
2 + 2 + 2 + 2 + 2 =	
2 + 2 + 2 + 2 + 2 + 2 =	
2 + 2 + 2 + 2 + 2 + 2 + 2 =	

Ndulungela amabuthelelo wangaku-2 emudeni ngamunye.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

93





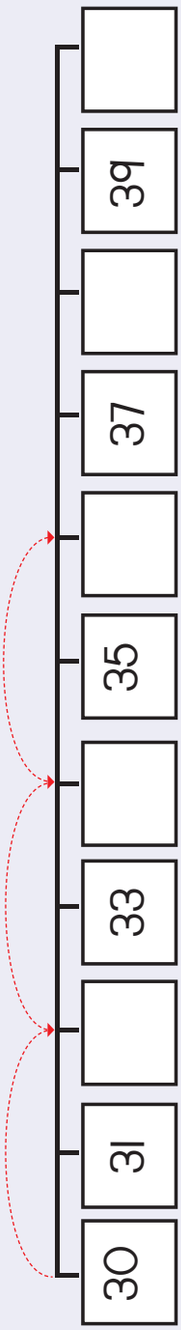


Ilanga:

Amaphetheni wangaku-2 ukufika ema-50



Sika iinomboro ezitlhayelako kiboSika besi-2 bese uzinamathisela enambalayinini. Ngemva kwalapho uqedelele namawulawubhu.





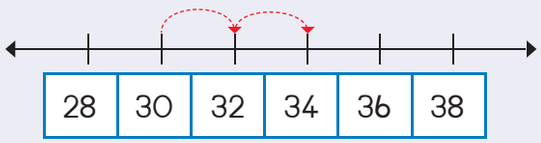
Qedelela iphetheni ngokuthi ukhalare iinomboro ekungizo.

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

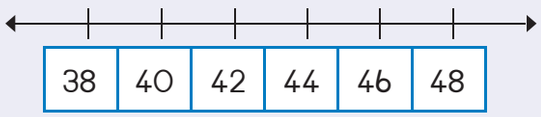


Gwala amawulawubhu ukutjengisa okulandelako:

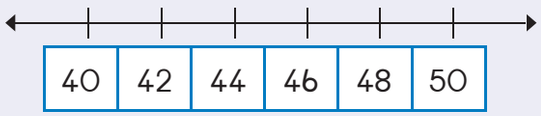
30, 32, 34



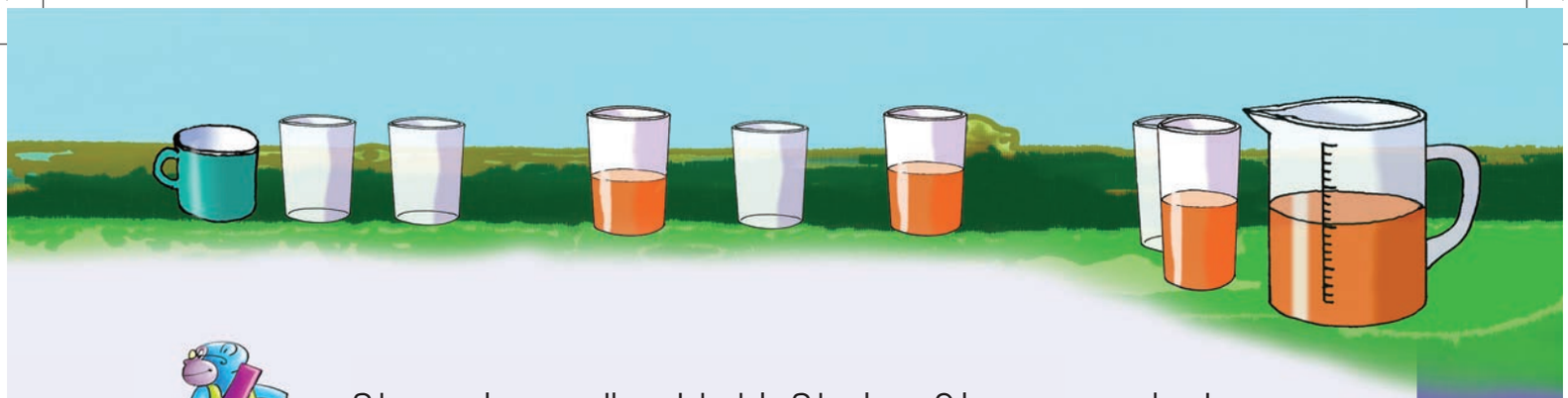
40, 42, 44



46, 48, 50

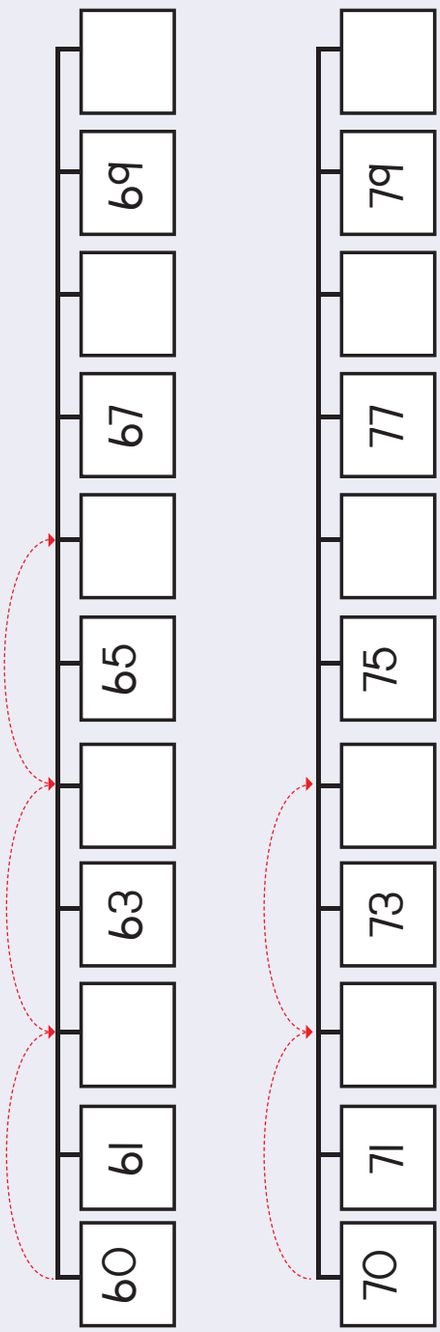








Sika iinomboro ezitlhayelako kiboSika besi-2 bese uzinamathisela enambalayinini. Ngemva kwalapho uqedelele namawulawubhu.





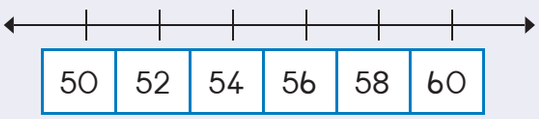
Qedelela iphetheni ngokuthi ukhalare iinomboro ekungizo.

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

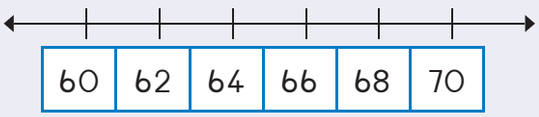


Gwala amawulawubhu ukutjengisa okulandelako:

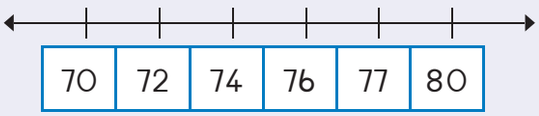
54, 56, 58



64, 66, 68

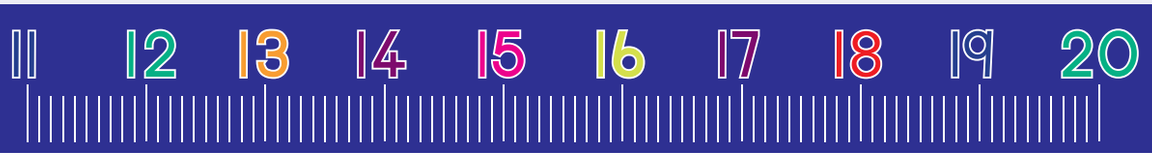


72, 74, 76





Teacher:
Sign:
Date:





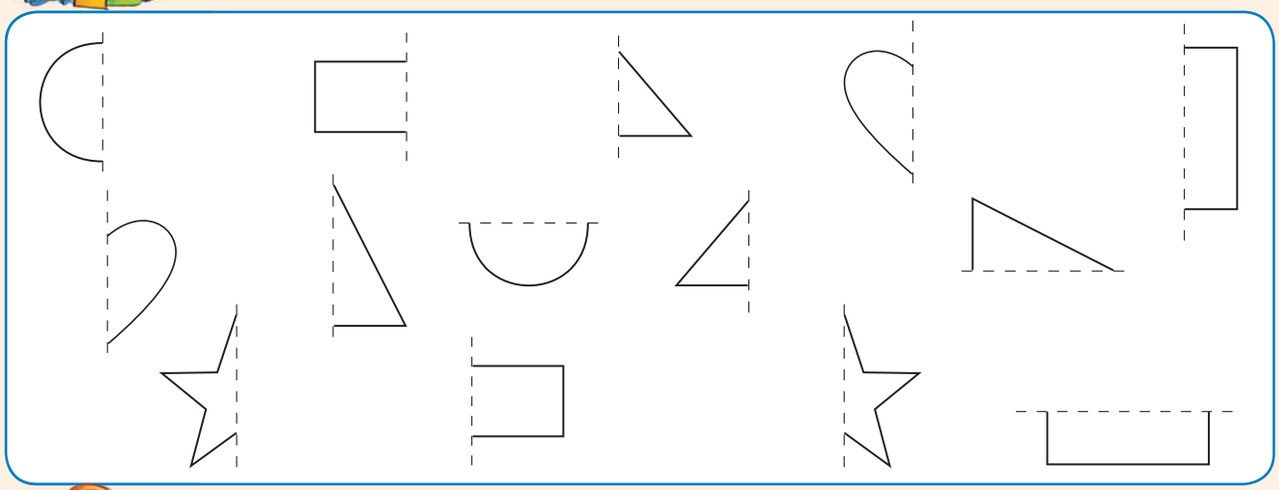


Ilanga:

Ukubandeka-bulingana/Isimethri

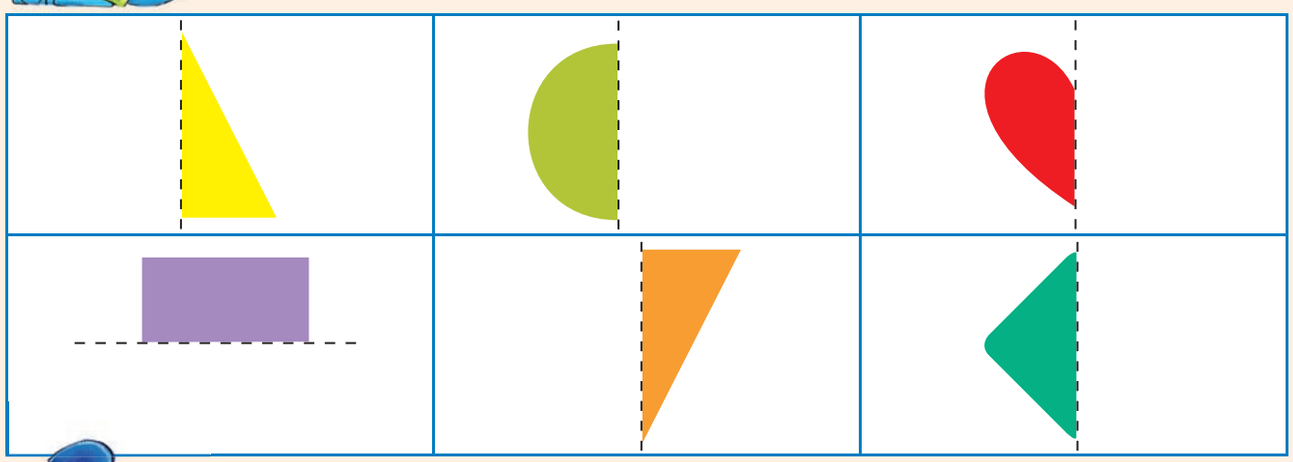


Khalara amahlangothi amabili alinganako wamajamo azokwenza ijamo elilodwa.



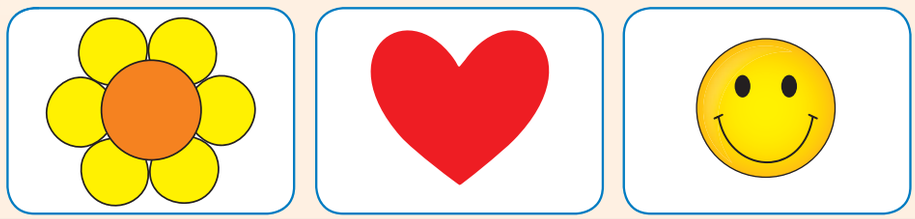


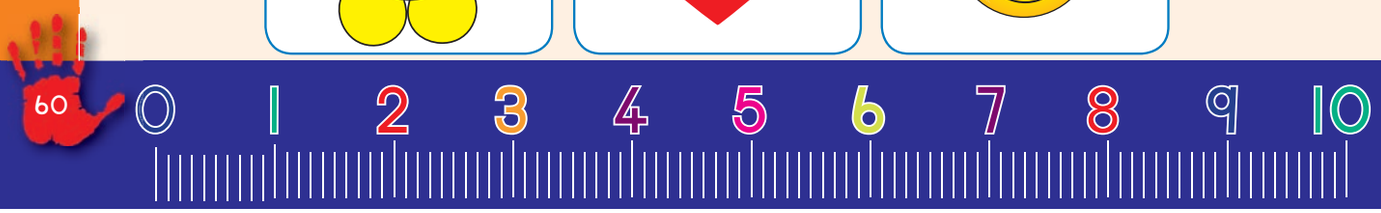
Gwala enye ihafu bese uyayikhalara.





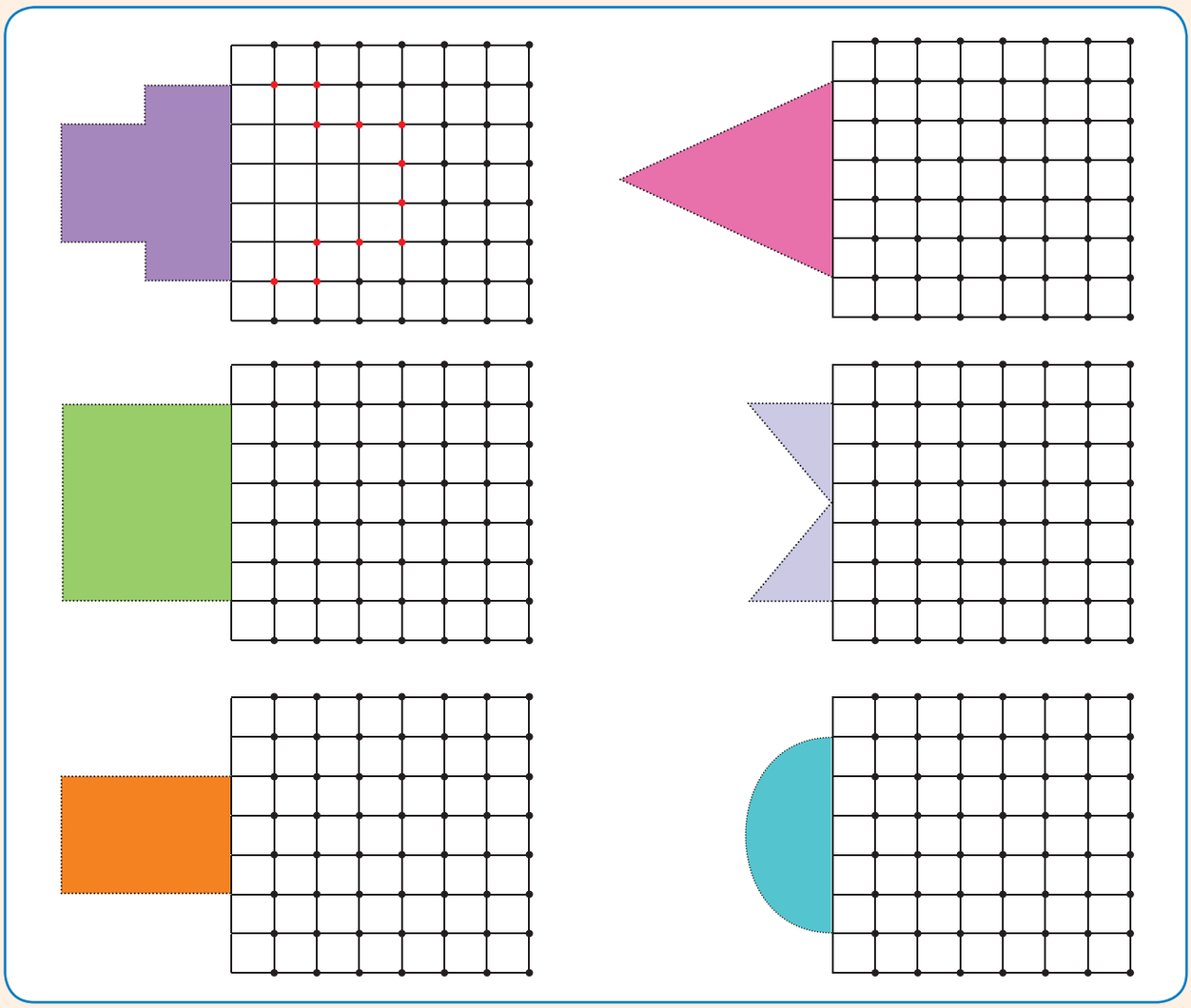
Gwala umuda ukwehlukanisa iinthombe ezilandelako zibe namahlangothi amabili azokubonakala afana patsi.



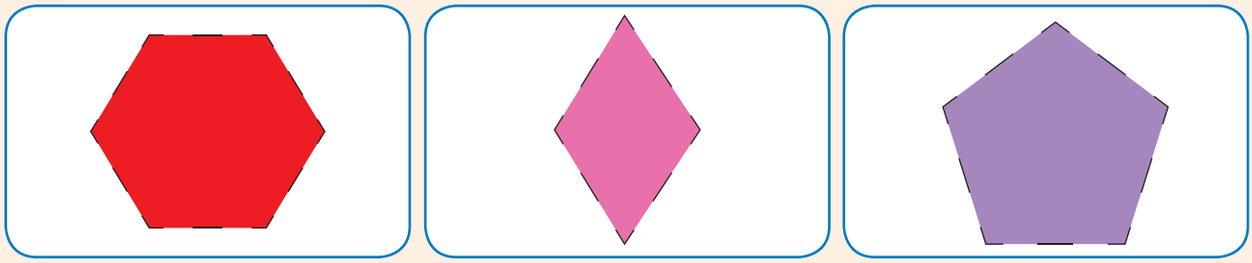




4 Gwala enye ihafu yejamo usebenzise ibhodo yegridi ukuze ikuhlahle.



5 Gwala umuda ukwehlukanisa iinthombe ezilandelako zibe namahlangothi amabili azokubonakala afana patsi.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

95







Ilanga:

Iinomboro nobukhulu bedijidi

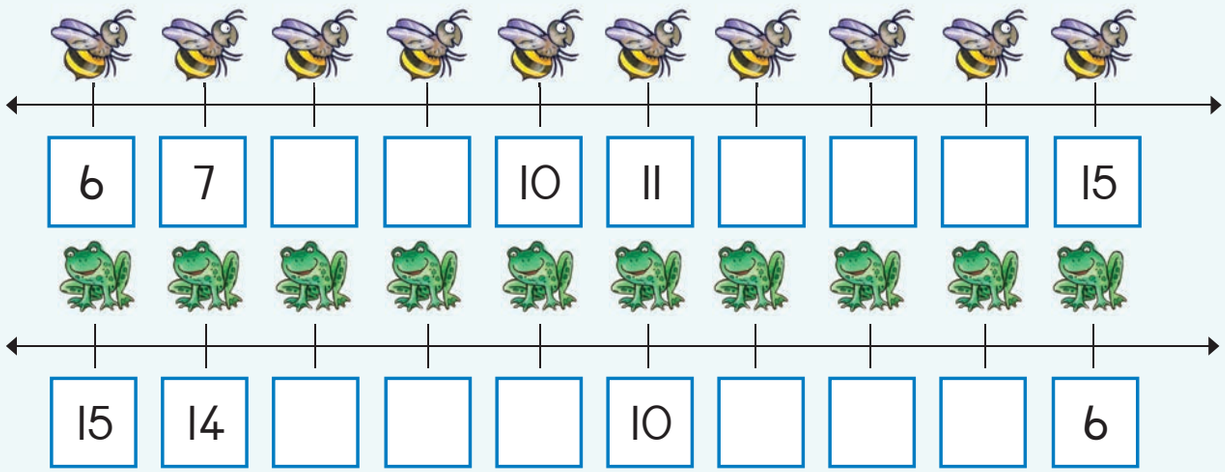


Ukutlola iinomboro ezitlhayelako.

10	11				15
9	10				



Ukutlola iinomboro ezitlhayelako.



6	7			10	11				15
15	14				10				6



Tlola ipendulo.

10 + 1 =	11
10 + 2 =	
10 + 5 =	
10 + 3 =	

15 − 10 =	
14 − 10 =	
12 − 10 =	
11 − 10 =	





Balisisa esinye nesinye isibalo esinombala bese ukhalara isiqetjhana sephazela esinenomboro ekungiyo.
Sebenzisa umbala ofanako. Qalisisa isibalo sokuthoma owenzelwe sona.

10 + 1 ngombala obovu

10 + 3 ngombala opinki

10 + 5 ngombala ohlaza sasibhakabhaka

10 + 4 ngombala osarulani

10 + 0 ngombala ohlaza satjani

10 + 2 ngombala o-orentji



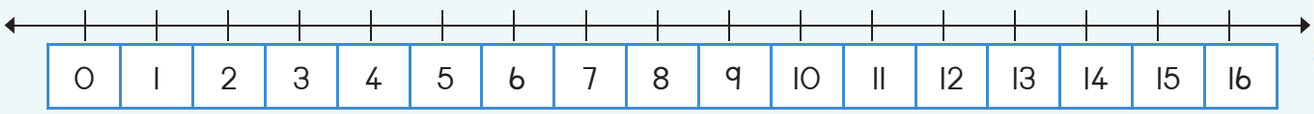
1	18	17	21	20	16
	6	19	10	4	
9	13		15	12	2
14	11	5	8		

Tjengisa itjhumi nakune enambalayinini.

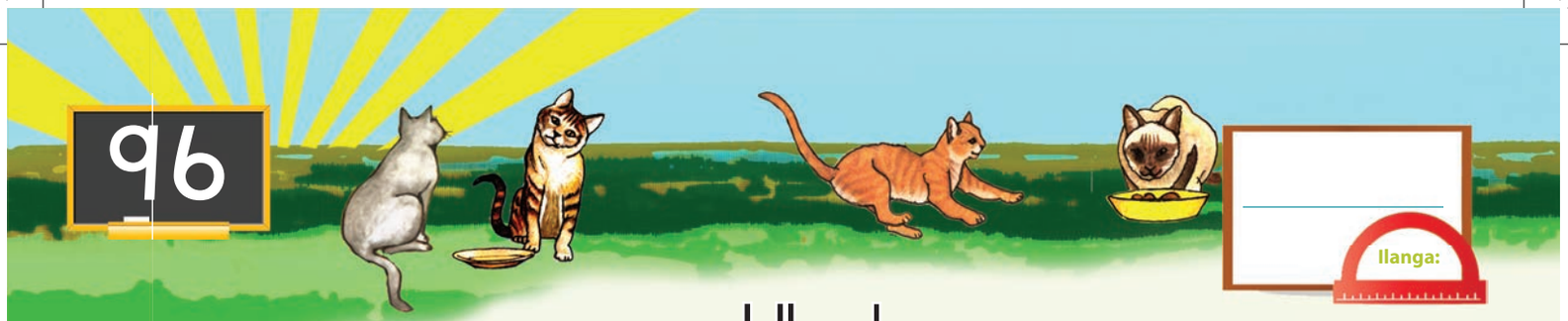




Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20

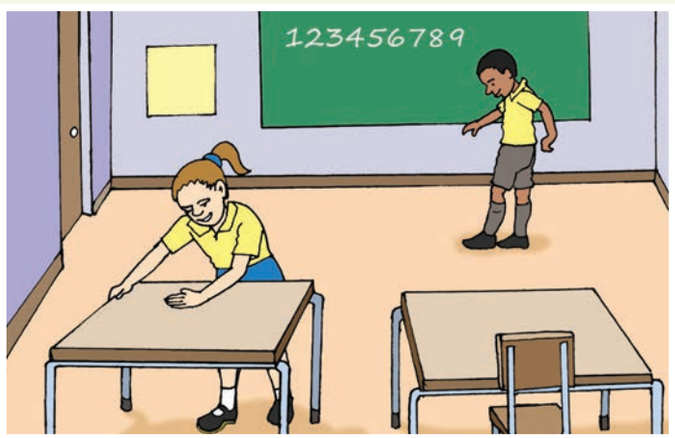


Ubude



Meda ubude nobubanzi bedeski nanyana itafula usebenzise ubude besandla sakho. Ubude betafula buthatha izandla ezingaki?

Ububanzi betafula buthatha izandla ezingaki?

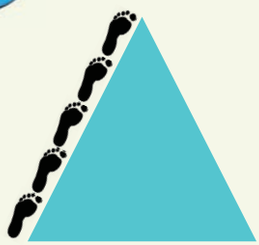


Ubude zizandla _____.

Ububanzi zizandla _____.



Magadango amangaki weenyawo enza ihlangothi?









Qedelela ngependulo.



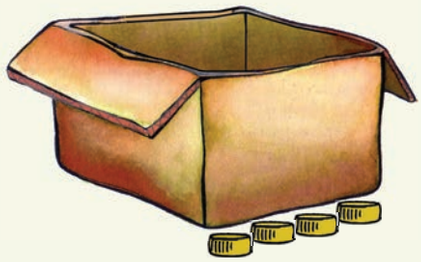


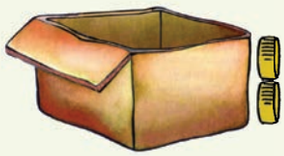
Ubude zizandla _____.





4 Yini ubude kanye nobubanzi bebhoksi?



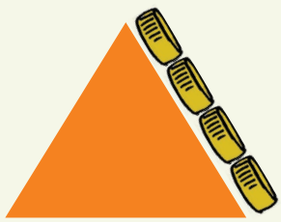


Ubude bulingana neemvalo zamabhodlelo _____.

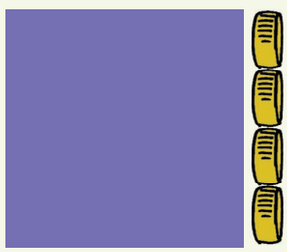
Ububanzi bulingana neemvalo zamabhodlelo _____.

5 Ubude behlangothi bulingana neemvalo zamabhodlelo ezingaki?



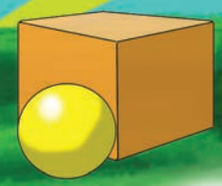


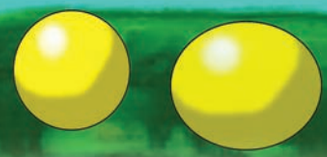


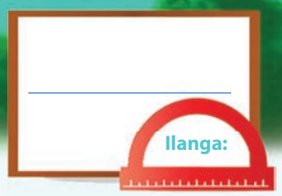


Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20







Inomboro ye-16

Ukubuyekeza:

Zijayeze ukutlola ibizo lenomboro bese uqedelela iphetheni.

7 khomba

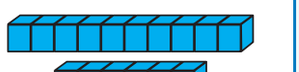


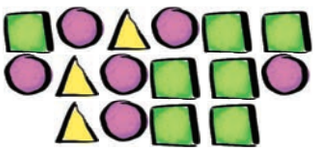


Madanisa iinthombe.



Gadangisa iinomboro.

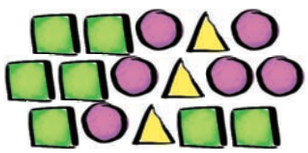




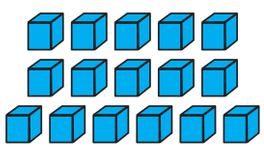
10 6

16





16





10 6

16 16 16 16

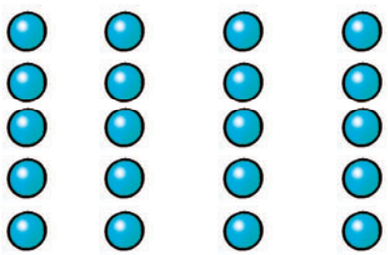
itjhumi nesithandathu

16 16 16 16

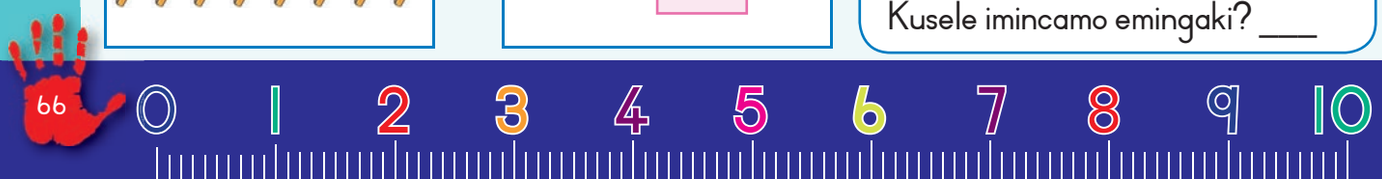
itjhumi nesithandathu



Ndulungela imincamo eli-16 kwaphela.



Kusele imincamo emingaki? ___





Gwala izinto ezili-16.

Kwanje zigwale ngendlela eyahlukileko.



Qedelela ngenomboro etlhayelako.

2	3	4
19		21
17		19



Qedelela itheyibula. Umuda ngamunye unesithombe, inomboro nebizo lenomboro leyo.

	16	
		itjhumi nesithandathu



Iyini inomboro encani ngakunye ku-16? _____

Iyini inomboro ekulu ngakunye ku-16? _____



Iyini enomboro encani ngakunye etjhumini nesithandathu?	
Iyini inomboro encani ngakubili etjhumini nasithandathu?	
Iyini inomboro ekului ngakunye etjhumini nasithandathu?	
Iyini inomboro ekulu ngakubili etjhumini nasithandathu?	

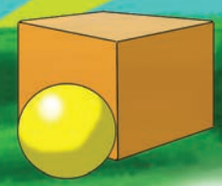


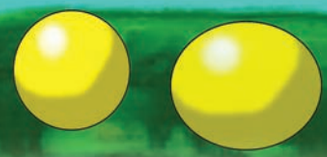
Tlola iinomboro ezitlhayelako.

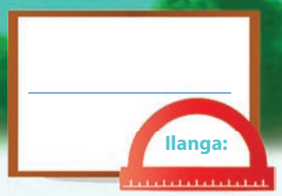


Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20







Inomboro ye-17

Ukubuyekeza:

Zijayeze ukutlola ibizo lenomboro bese uqedelela iphetheni.

8 | bunane

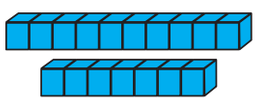
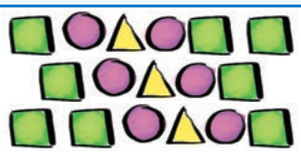
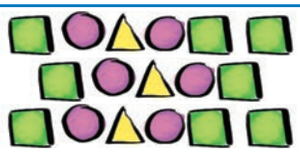
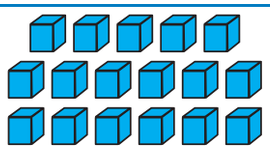




Madanisa iinthombe.



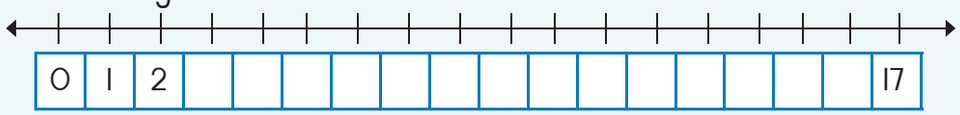
Gadangisa iinomboro.

	
	17
10 7	
17	
	10 7

17	17	17	17
itjhumi nekhomba			
17	17	17	17
itjhumi nekhomba			



Qedelela inambalayini.







Gwala izinto ezili-17.

Kwanje zigwale ngendlela eyahlukileko.

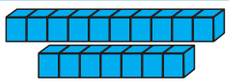
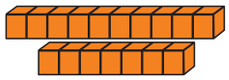
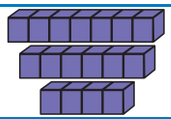
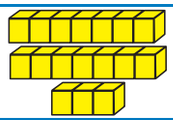


Ngiyiphi inomboro eza ngemva?

16	17	
24	25	
17	18	



Qedelela itheyibula. Umuda ngamunye unesithombe, inomboro nebizo lenomboro leyo.

	17	
		
		itjhumi nekhomba
		



Iyini inomboro encani ngakunye etjhumini nakhomba?	
Iyini inomboro encani ngakubili etjhumini nakhomba?	
Iyini inomboro ekulu ngakunye etjhumini nakhomba?	
Iyini inomboro ekulu ngakubili etjhumini nakhomba?	



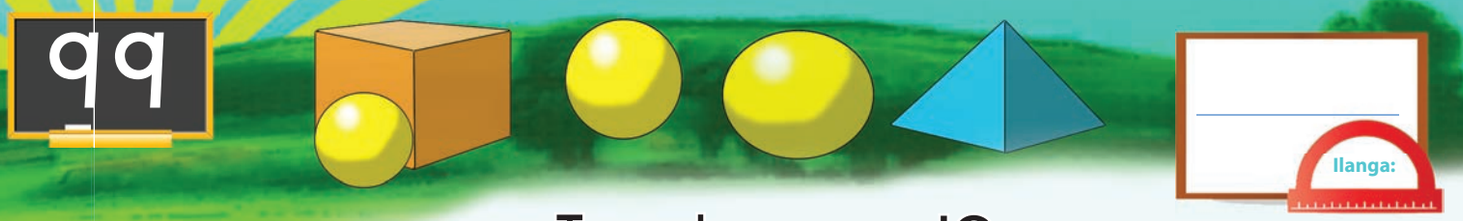
Qedelela ngenomboro etlhayelako.

Lezi ziinomboro ezibizwa ngalezo ezingalingalinganiko.

	2		4		6		8		10
	12		14		16		18		20

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



Inomboro ye-18

Ukubuyekeza:

Zijayeze ukutlola ibizo lenomboro bese uqedelela iphetheni.

q | ithoba

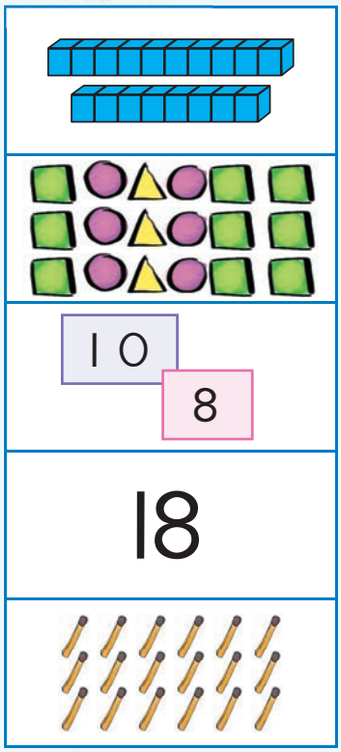


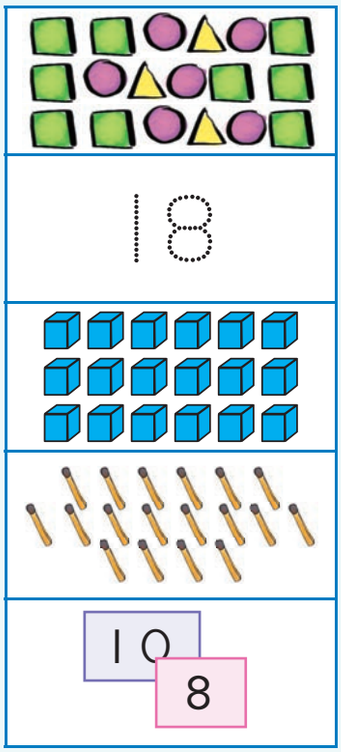


Madanisa iinthombe.



Gadangisa iinomboro.





18 18 18 18

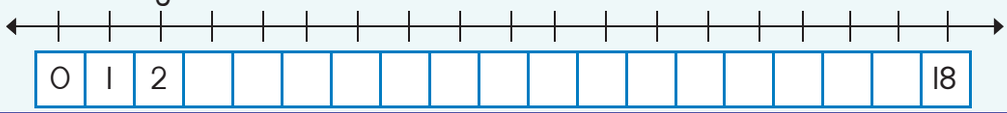
itjhumi nobunane

18 18 18 18

itjhumi nobunane



Qedelela inambalayini.







Gwala izinto ezili-18.

Kwanje zigwale ngendlela eyahlukileko.



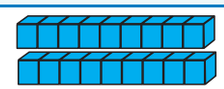
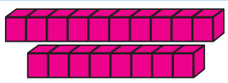
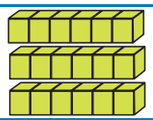
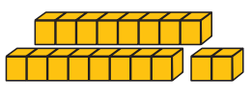


Ngiyiphi inomboro eza ngemva kwale?

8	9	
33	34	
0	1	



Qedelela itheyibula. Umuda ngamunye unesithombe, inomboro nebizo lenomboro leyo.

	18	
		
		itjhumi nobunane
		



Iyini inomboro encani ngakunye etjhumini nobunane?	
Iyini inomboro ekulu ngakubili etjhumini nabunane?	
Iyini inomboro ekulu ngakunye etjhumini nobunane?	
Iyini inomboro ekulu ngakubili etjhumini nobunane?	



Qedelela ngenomboro etlhayelako.

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

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

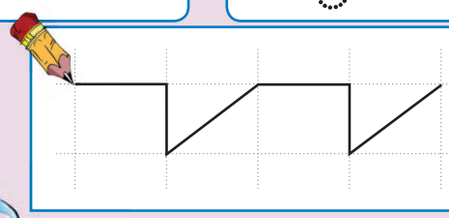


Inomboro ye-19

Ukubuyekeza:

Zijayeze ukutlola ibizo lenomboro bese uqedelela iphetheni.

10 itjhumi

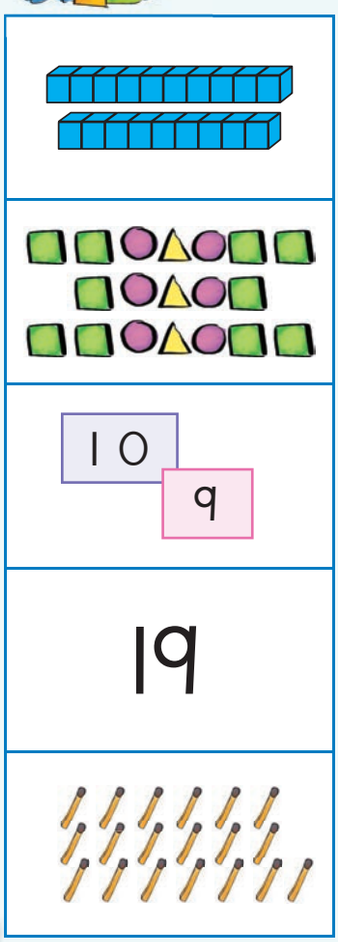


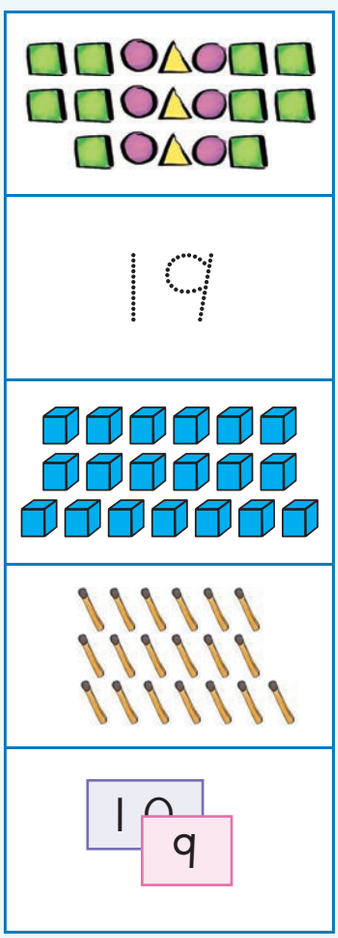


Madanisa iinthombe.



Gadangisa iinomboro.





19 19 19 19

itjhumi nethoba

19 19 19 19

itjhumi nethoba

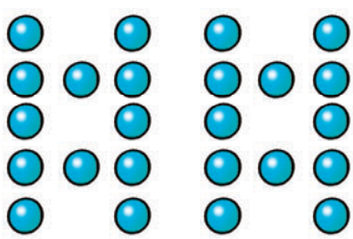
10 9

19

19



Ndulungela imincamo eli-19 kwaphela.



Kusele imincamo emingaki? ___

0 1 2 3 4 5 6 7 8 9 10



Gwala izinto ezili-19.

Kwanje zigwale ngendlela eyahlukileko.

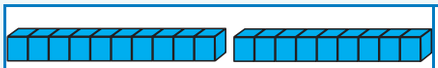


Ngiyiphi inomboro eza hlangana?

14		16
35		37
8		10



Qedelela itheyibula. Umuda ngamunye unesithombe, inomboro nebizo lenomboro leyo.

	19	
		
		itjhumi nethoba
		



Iyini inomboro encani ngakunye etjhumini nethoba?	
Iyini inomboro encani ngakubili etjhumini nethoba?	
Iyini inomboro ekulu ngakunye etjhumini nethoba?	
Iyini inomboro ekulu ngakubili etjhumini nethoba?	



Qedelela ngenomboro etlhayelako.

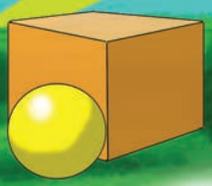
Lezi ziinomboro ezaziwa ngezilinganganako.

1		3		5		7		9	
11		13		15		17		19	

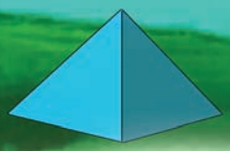
Teacher:
Sign:
Date:

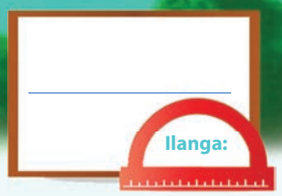
11 12 13 14 15 16 17 18 19 20

101





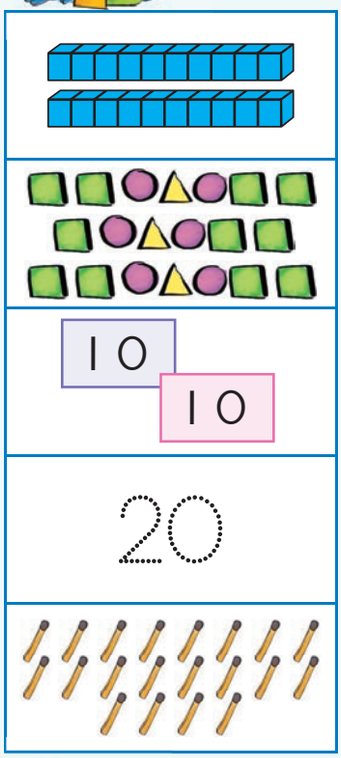


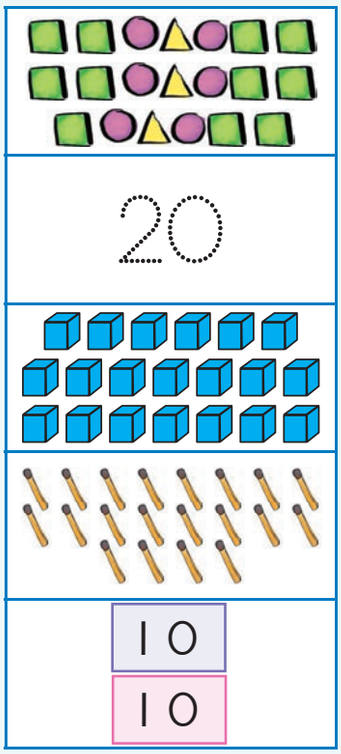


Inomboro yama-20



Madanisa iinthombe.







Gadangisa iinomboro.

20 20 20 20

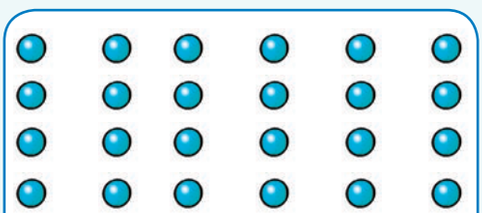
amatjhumi amabili

20 20 20 20

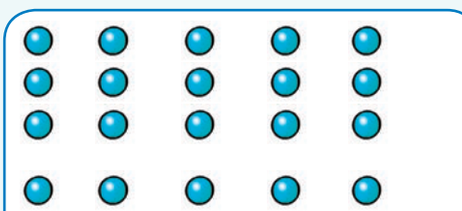
amatjhumi amabili



Ndulungela imincamo ema-20 kwaphela.



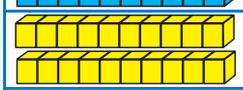
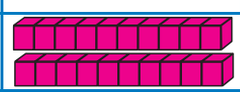
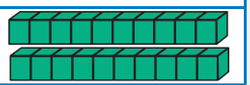
Kusele imincamo emingaki? ___



Kusele imincamo emingaki? ___



Qedelela itheyibula. Umuda ngamunye unesithombe, inomboro nebizo lenomboro leyo.

	20	amatjhumi amabili
		amatjhumi amabili
20		
		



Iyini inomboro encani ngakunye ematjhumini amabili? _____

Iyini inomboro ekulu ngakunye ematjhumini amabili? _____

0 1 2 3 4 5 6 7 8 9 10



Hlanganisa inomboro nebizo.

0	kune
1	likhomba
2	lithoba
3	kuthathu
4	litjhumi nanye
5	itjhumi nambili
6	kunye
7	kubili
8	bunane
9	iqanda
10	kuhlanu
11	sithandathu
12	itjhumi nantathu
13	itjhumi
14	itjhumi nane



Qedelela ngenomboro etlhayelako.

Ngaphambili		Ngemva
16	17	
	12	
	14	
	9	10
	6	



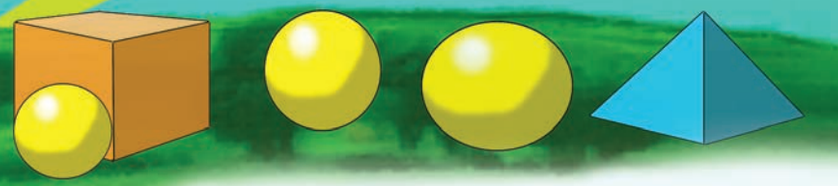
Sebenzisa u**kuncani** nanyana **kukhulu** ukuqedelela okulandelako:

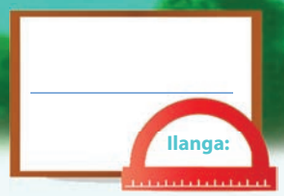
u-35 _____ kunama-38

u-79 _____ kunama-65



11 12 13 14 15 16 17 18 19 20





Ukuhlanganisa



Ndulungela inomboro ekulu khulu ngebhlogweni ngalinye.

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

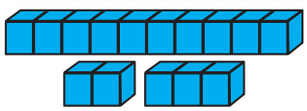
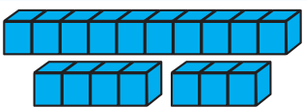
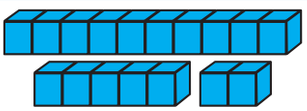


Hlanganisa okulandelako. Thoma ngokubeka inomboro ekulu qange.

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

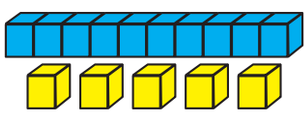
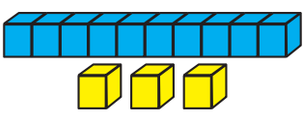
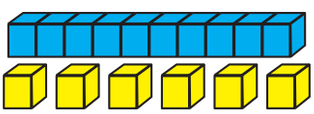


Ngezelela ngamabhlogo.

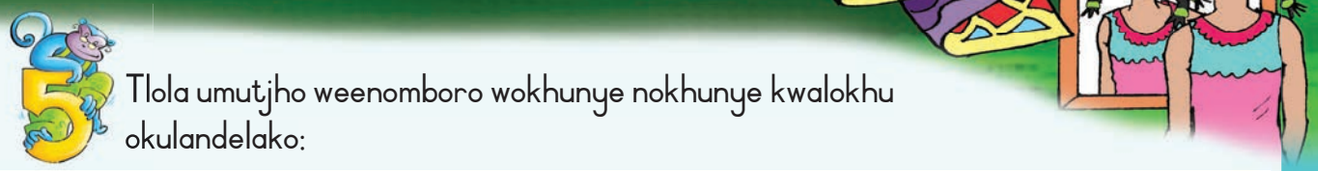
		
10 + 2 + 3 = 15		
10 + 5 = 15		



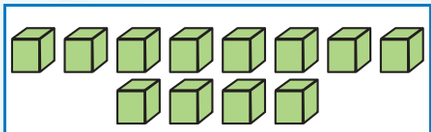
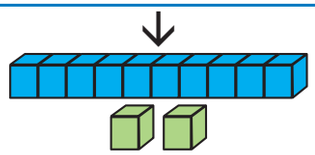
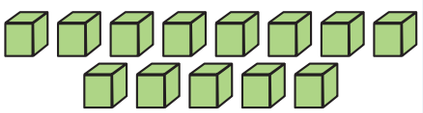
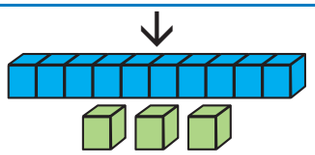
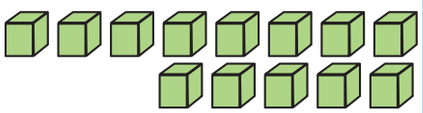
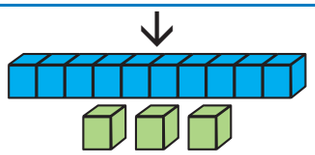
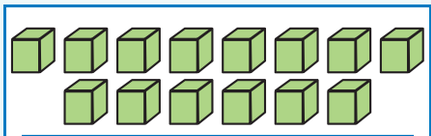
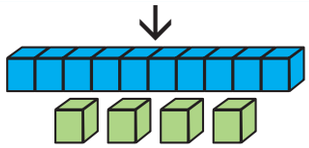
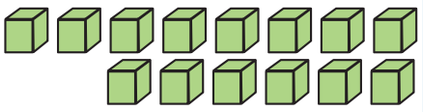
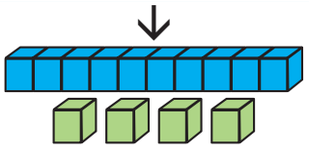
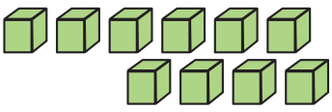
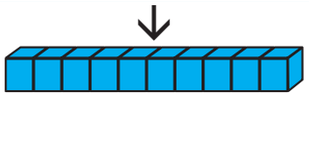
Tlola umutjho weenomboro walokhu okulandelako:





5 Tlola umutjho weenomboro wokhunye nokhunye kwalokhu okulandelako:

 8 + 4 = 12  10 + 2 = 12	 	 
 	 	 



Qedelela ngeenomboro ezilandelako:

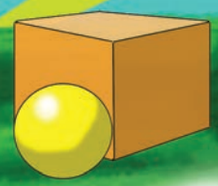
	+	14	=	17
9	+		=	20
12	+	8	=	
15	+		=	20
	+	6	=	13
14	+	3	=	0

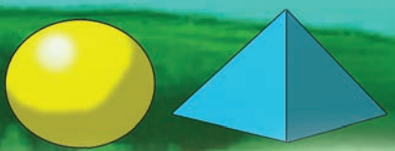


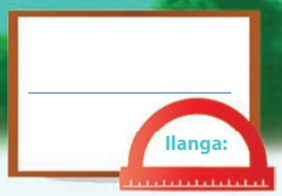
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

103







Ukukhupha

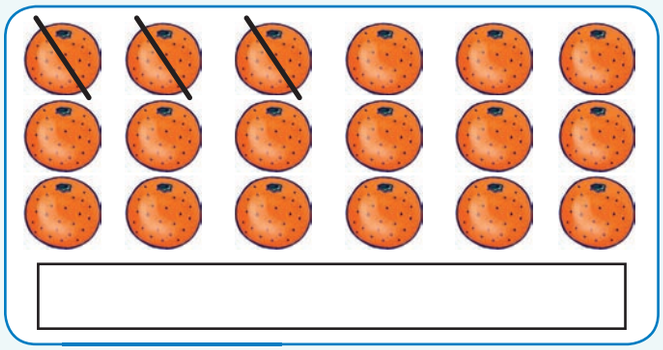


Balisisa.

17	− 4	
19		
14		
12		

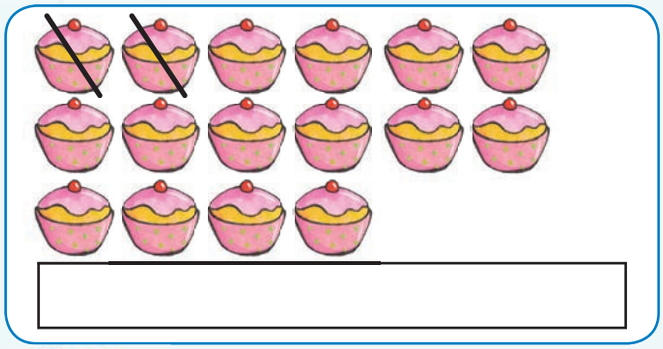


Tlola umutjho weenomboro.





Tlola umutjho weenomboro.



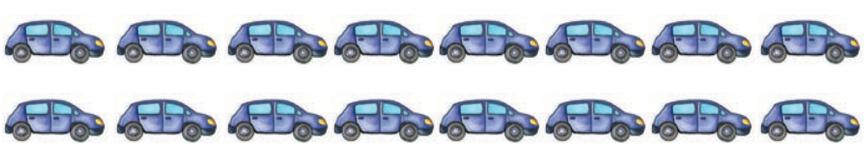


Balisisa.

18	− 4	
7		
15		
9		



Qedelela iimbalo ngokuthi ugwale imigwalo.

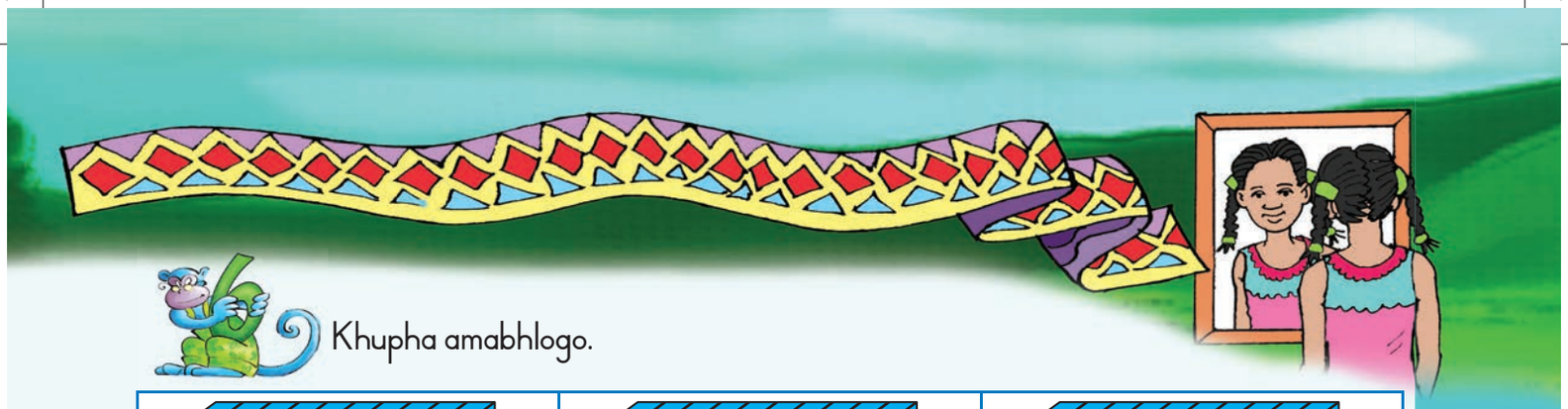


16 − ☐ = 11



10 + ☐ = ☐

0 1 2 3 4 5 6 7 8 9 10



Khupha amabhlogo.

(10 + 3) − 2 =		
13 − 2 =		

Balisisa okulandelako:

11 + 7 = ☐ 11 + 4 + ☐ = ☐	11 + 7 = ☐ 11 + 5 + ☐ = ☐
19 − 7 = ☐ 19 − (5 + ☐) = ☐	17 − 9 = ☐ 17 − (7 + ☐) = ☐

Balisisa okulandelako:

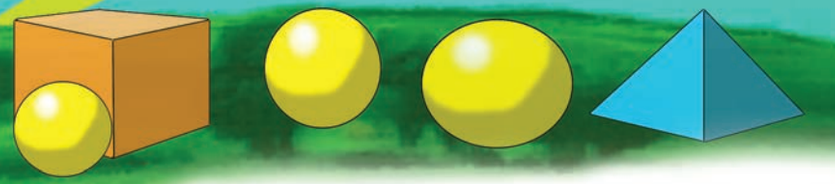
u-5 nakabuyelelwe kabili ☐	u-3 nakabuyelelwe kabili ☐	u-4 nakabuyelelwe kabili ☐
u-7 nakabuyelelwe kabili ☐	u-2 nakabuyelelwe kabili ☐	u-8 nakabuyelelwe kabili ☐
i-10 nalibuyelelwe kabili ☐	u-9 nakabuyelelwe kabili ☐	u-1 nakabuyelelwe kabili ☐

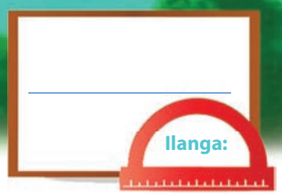
Phendula okulandelako:

9 + 9 − 1 =		nanyana	u-9 nakabuyelelwe kabili − 1 =	
		nanyana	u-5 nakabuyelelwe kabili − 1 =	
4 + 4 − 1 =		nanyana		

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

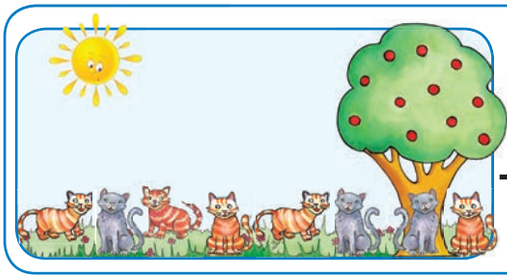




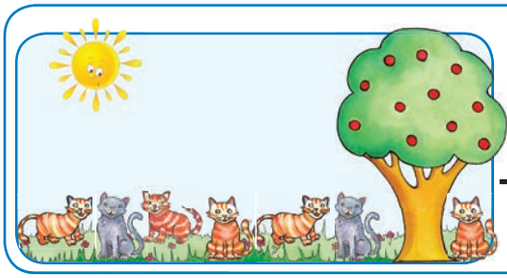
Ukuhlanganisa nokukhupha



Bala kobana kunabokatsu abangaki abahlezi elangeni.
Ebusuku, abanye babo bayakhamba bayokulala ngemva komthangala.
Balisisa kobana bangaki abangemva komthangala bese utlola isibalo phasi.



3 + ☐ = 8



4 + ☐ = ☐



Rarulula okulandelako.
Ungagwala imgwalo ukuze ikusize.

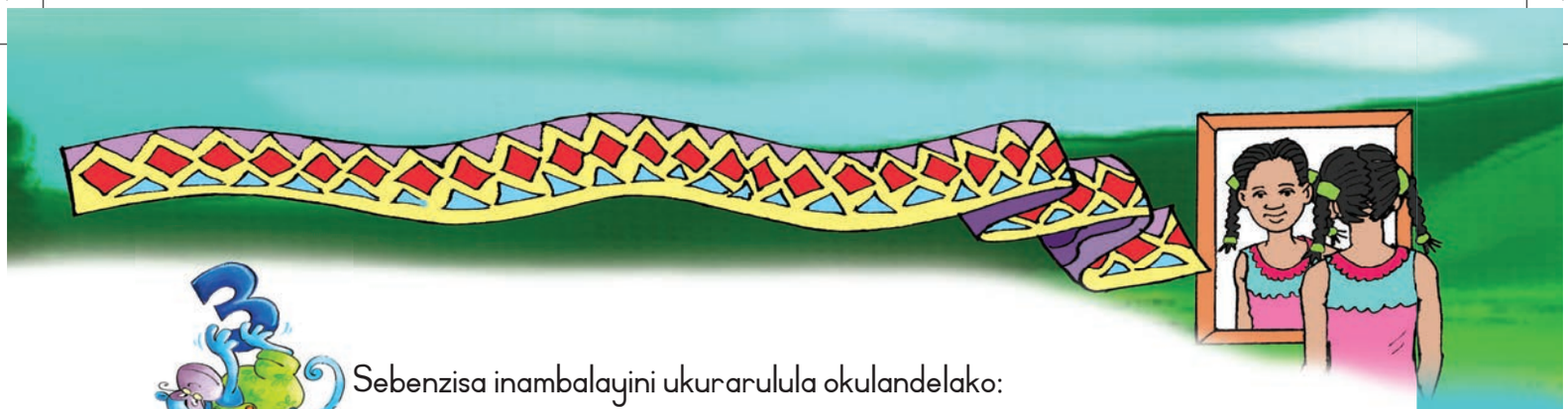


ULerato unama-orentji ama-4. UPeter umnikela amanye ali-13.
Kwanje uLerato sele anama-orentji amangaki nakawoke?

UMandla unamakhrayoni amade ama-5. U-Anne unamakhrayoni amade abu-8.
Ngubani onamakhrayoni ambalwa?

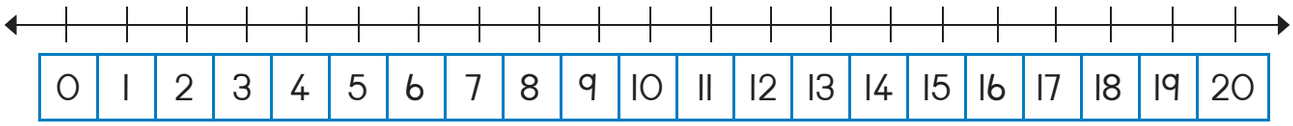




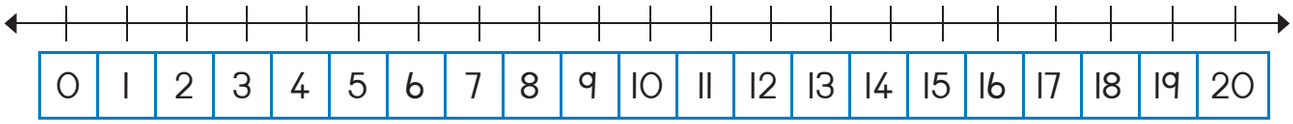


Sebenzisa inambalayini ukurarulula okulandelako:

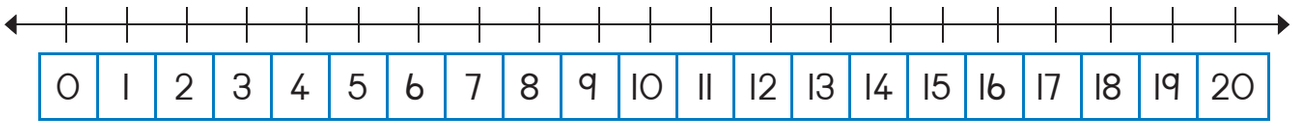
UThandi unamamabula asi-6 ahlaza satjani nali-9 ahlaza sasibhakabhaka. UThandi unamamabula amangaki sele awoke?



ULerato unamamabula ali-16. Abunane ahlaza satjani bese kuthi amanye abe hlaza sasibhakabhaka. ULerato unamamabula ahlaza sasibhakabhaka amangaki?



UThandi unamabhanana ali-19. UThemba unamabhanana ali-10. UThandi unamabhanana amanengi kangangani ukudlula uThemba?



Ngiziphi iinomboro ezihlangana kwama-26 nama-30.

Ndulungela inomboro ekulu ngakunye kunama-76.

74	75	76	77	78

Ndulungela inomboro ekulu ngaku-2 kunama-76.

74	75	76	77	78

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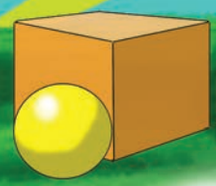
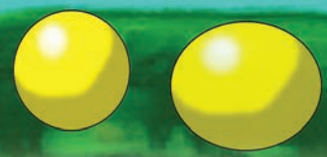
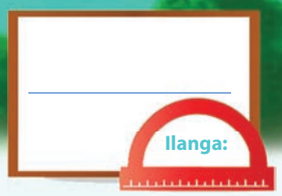






Iinomboro ezijayelekileko



Ngubani ofike kokuthoma emgijimweni?
Tlola iindawo (ukuya ngomgijimo) ngenzasi kwabo.

uSipho	uLerato	uJohn	uPeter	u-Ann
				
	2	3		



Bagwale kuphodiyamu.



Ngubani ofunyene unongorwana wegolide?	Ngubani ofunyene unongorwana wesiliva?
_____	_____



Gwala umucu womncamo walokhu okulandelako:

Umncamo wokuthoma uhlaza sasibhakabhaka.
Umncamo wesibili ubovu.
Umncamo wesithathu uhlaza satjani.
Umncamo wesine usarulani.
Umncamo wesihlanu uhlaza satjani.
Umncamo wesithandathu ubovu.
Umncamo wekhomba uhlaza satjani.
Umncamo wobunane usarulani.
Umncamo wethoba uhlaza sasibhakabhaka.
Umncamo wetjhumi ubovu.

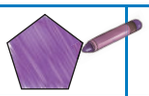
Umucu wami womncamo.





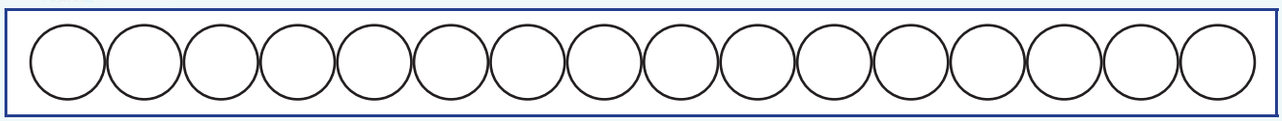
Qalisisa ukulamana kwamajamo.
Kopululela amajamo eendaweni ezifaneleko ngetheyibuleni.
Sewenzelwe isibonelo.



Ngiliphi ijamo:			
Elisendaweni yesine		Elisendaweni yekhomba	
Elisendaweni yesihlanu		Elisendaweni yethoba	
Elisendaweni yesibili		Elisendaweni yokugcina	
Elisendaweni yesithathu		Elisendaweni yesithandathu	



Yenza okulandelako:





Khalara ijamo lokuthoma ngombala obovu.



Khalara ijamo lesihlanu ngombala osarulani.



Khalara ijamo lobunane ngombala ohlaza sasibhakabhaka.



Gwala inambalayini esuka e-10 ukufika ema-20.
Ndulungela inomboro yesithathu neyobunane.



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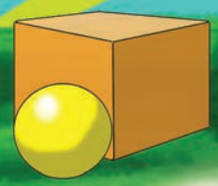
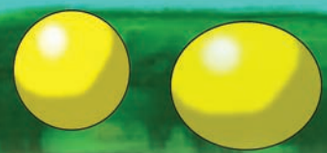
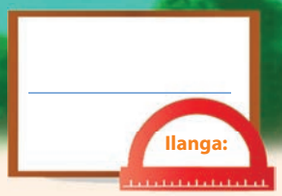


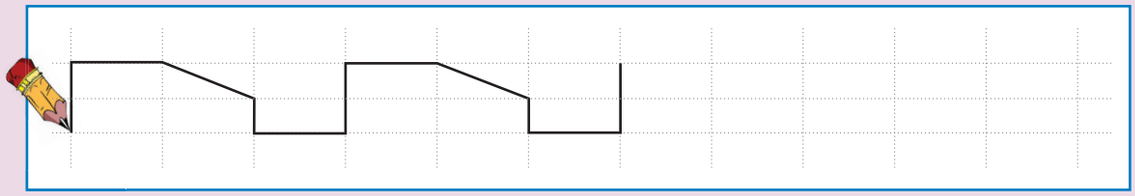




Izinto namajamo

Ukubuyekeza:

Ukubuyekeza: Madanisa amaphetheni.





Funyana iinthombe ezimbili zebholo kanye nezimbili zebhoksi ephephandabeni nanyana kibomegazini bese uzinamathisela lapha ngenzasi.





Gwala isiyingi esihlaza sasibhakabhaka undulungele zoke izinto ezingatjhelela.
Gwala isikwere ufake ngaphakathi zoke izinto ezingagedeka.





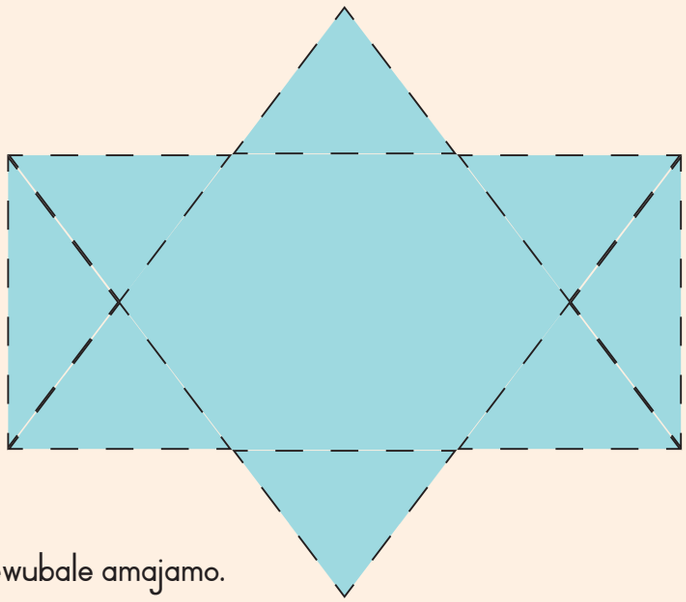


Gadangisa igama bese ugwala into.

Ibhoksi	Ibholo



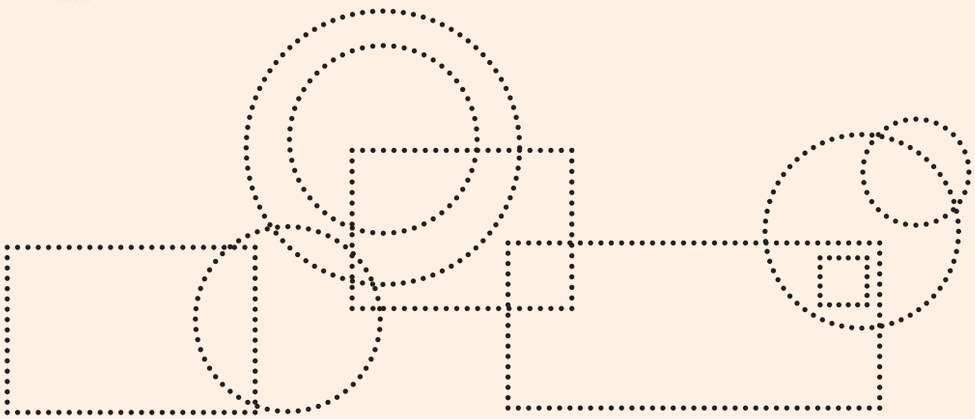
Bala aboncantathu bese utlola inomboro.



Ipendulo:



Gadangisa bewubale amajamo.



Iindulungu

Iinkwere

Teacher:
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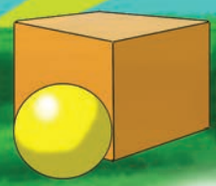
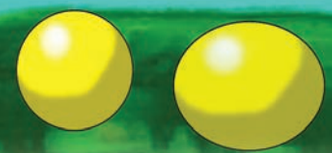
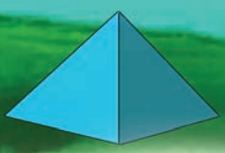
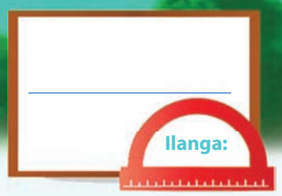
Date:

11 12 13 14 15 16 17 18 19 20





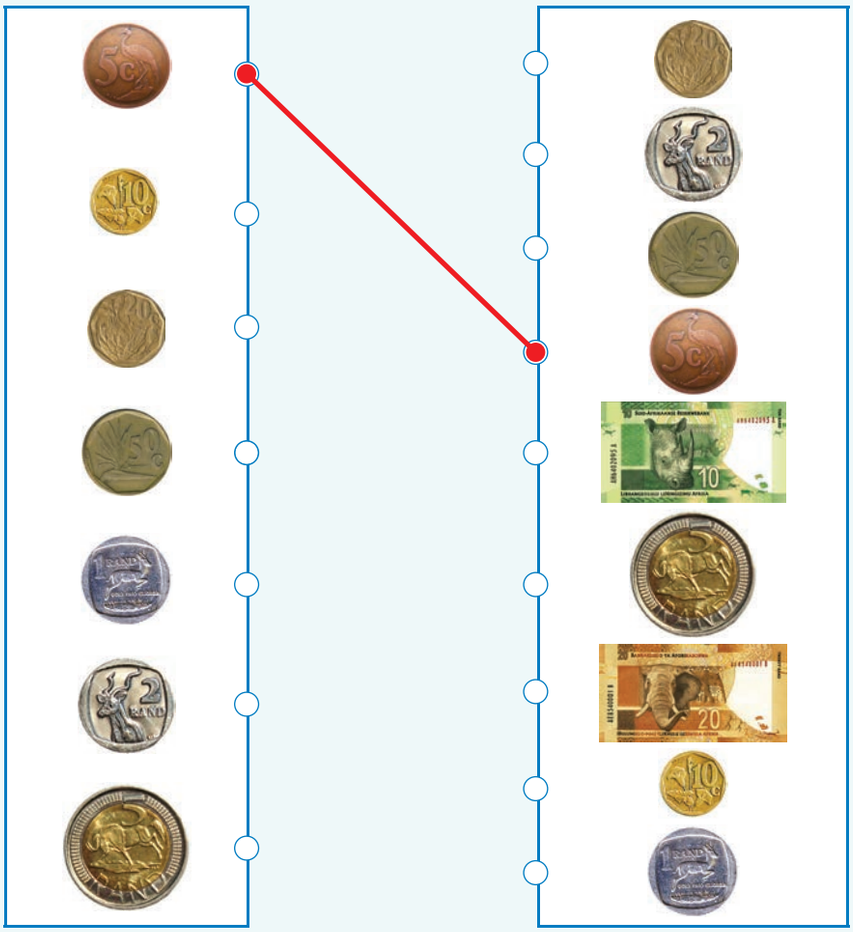




Imali



Ngiyiphi imali yesimbi ongayimadanisa ndawonye?





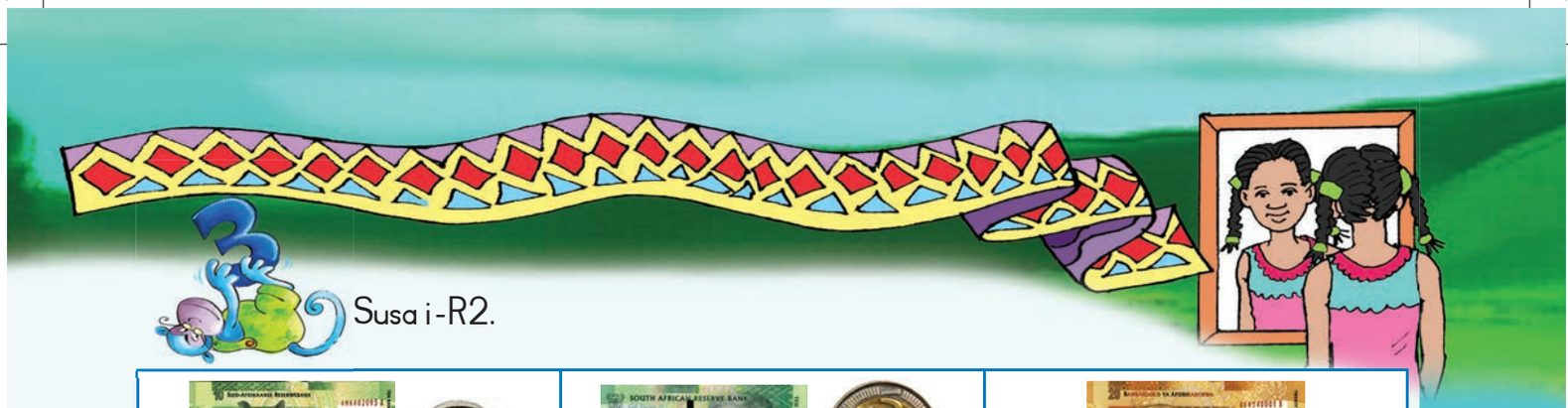
Ngebhlogweni ngalinye thika imali yesimbi kanye neyamaphepha ezokunikela imali etlolwe ngeqadi.











3 Susa i-R2.

		
R12 – R2 = R10		

4 Susa i-R5

		
R15 – R5 = R10		

5 Ziimbalo zokuhlanganisa ezihlukeneko ezingaki ongazigwala ngemali ema-R20? Sewenzelwe isibonelo esisodwa.



6 Ndulungela imali yesimbi emudeni ngamunye ongathenga ngayo okunengi.



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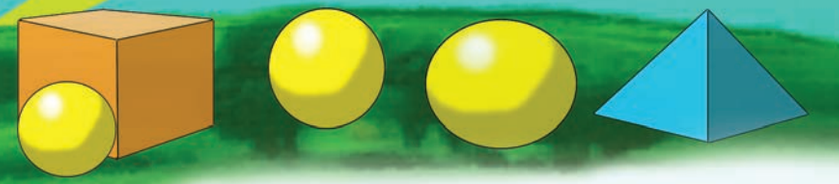
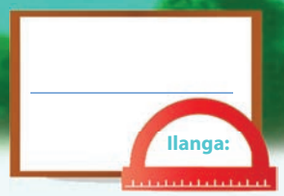
Date:





Ezinye iimbalo zemali



Balisisa.

R5	+ R7	
R9		
R7		
R4		



Balisisa.

RI3	− R6	
RI5		
RI7		
RI4		



Qedelela ngependulo enembako.

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



Ngikuphi okunengi?
Ndulungela ipendulo yakho.

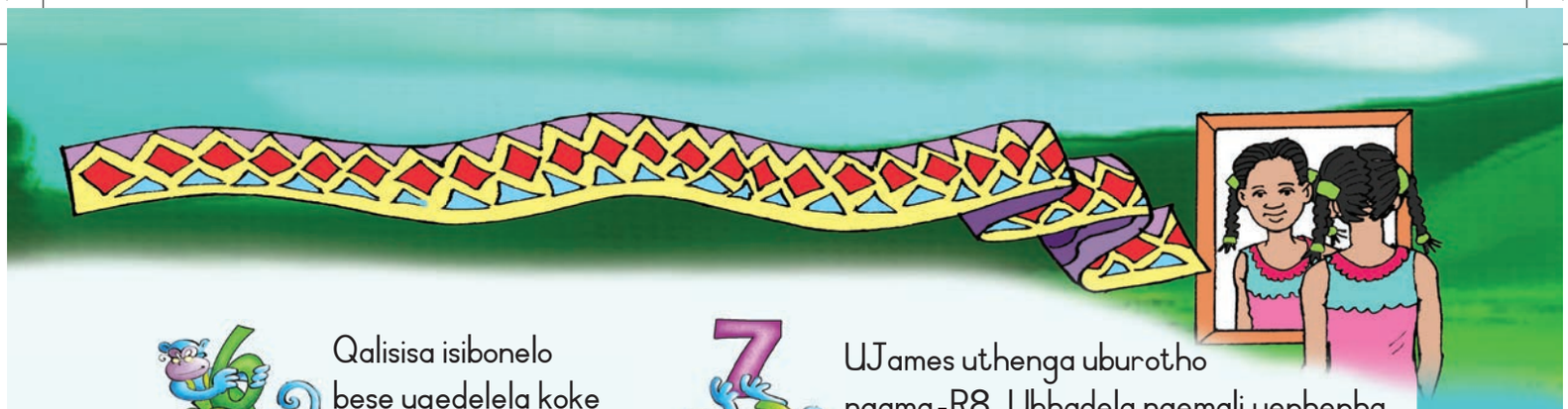
5c nanyana R5
20c nanyana R20
RI nanyana 50c
R2 nanyana RI
20c nanyana 50c



Hlanganisa iinomboro ezivundlako nalezo ezehlako bese uqedelela iimpendulo.

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





Qalisisa isibonelo bese uqedelela koke okulandelako.

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

UJames uthenga uburotho ngama-R8. Ubhadela ngemali yephepha ema-R10. UJames wabuyelwa yimalini?

Uthini umbuzo?

_____

_____

Tlola iinomboro.

_____

Tlola isibalo bese uyabalisisa.

_____

Umma kaBusi uthenge ingwani yelanga ngama-R17. Ubhadele ngemali yamaphepha, ema-R10 amabili.

Ilanga lamabeletho lakaJudy belingeSondo. Udadwabo umuphe i-R5. Umnakwabo wamupha i-R2 kwase kuba mzala wakhe owamupha i-R10. Seyihlangene, yimalini imali uJudy ayifunyanako nasele ihlangene yoke?

Uthini umbuzo?

_____

_____

Tlola iinomboro.

_____

Tlola isibalo bese uyabalisisa.

_____

Uthini umbuzo?

_____

_____

Tlola iinomboro.

_____

Tlola isibalo bese uyabalisisa.

_____

Teacher:
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Date:

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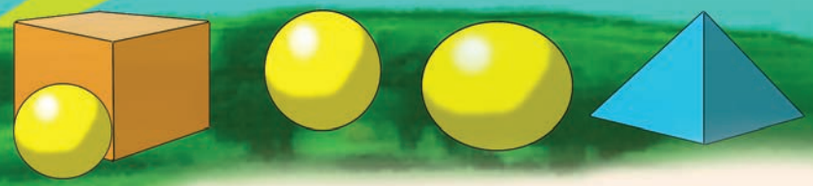
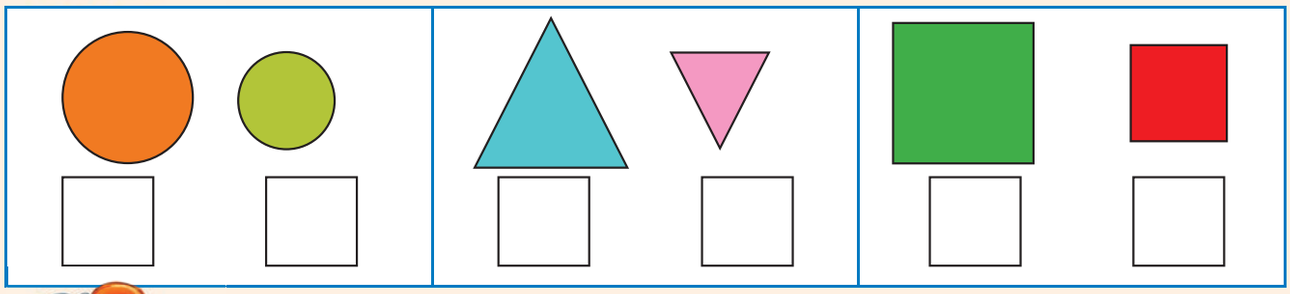


Ilanga:

Amajamo ayi - 2D

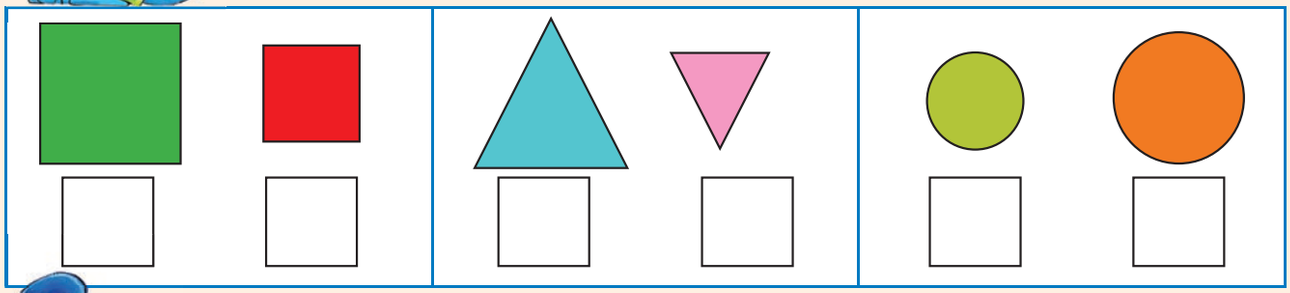


Thika ijamo elincani khulu ebhlogweni ngalinye.





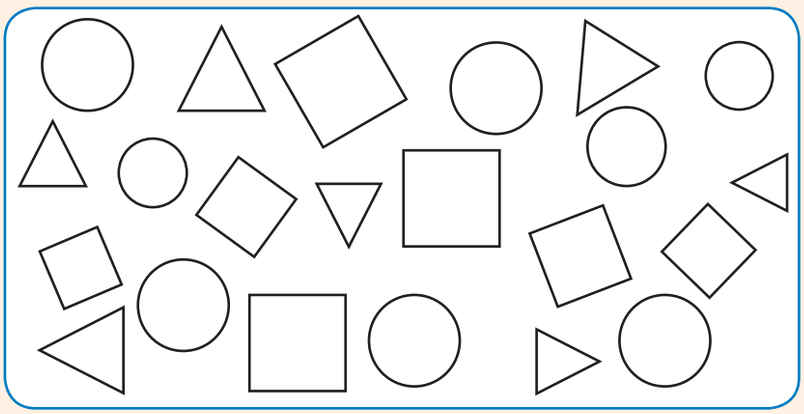
Thika ijamo elikhulu khulu ebhlogweni ngalinye.





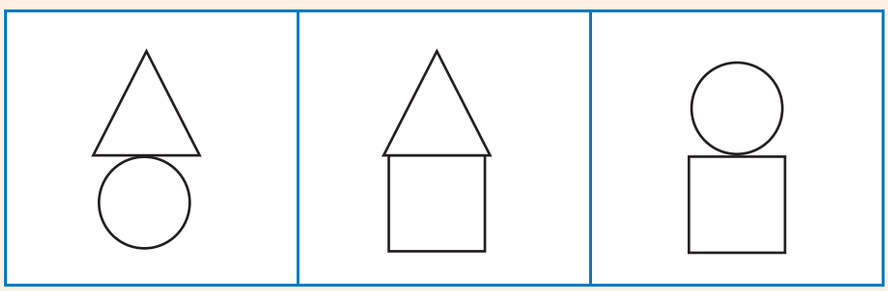
Khalara:

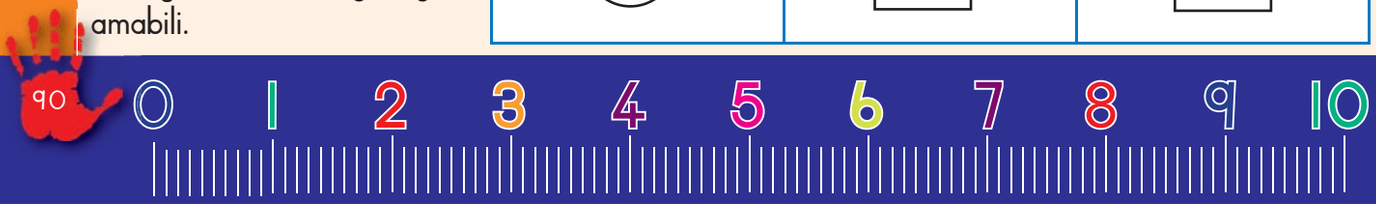
- Iinkwere ngombala ohlaza sasibhakabhaka
- Aboncantathu ngombala obovu
- Iindulungu ngokuhlaza satjani

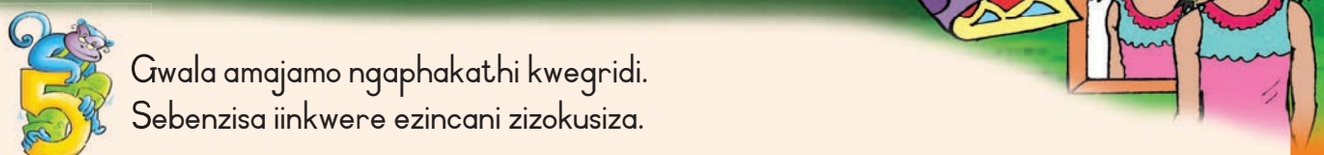




Gwala isithombe usebenzise amajamo. Sikuthomele esinye nesinye isithombe ngamajamo amabili.

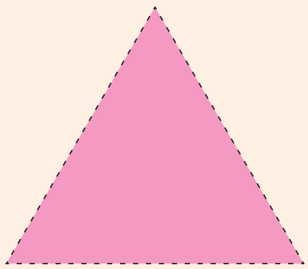




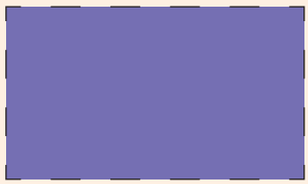


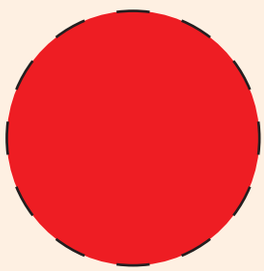


Gwala amajamo ngaphakathi kwegridi.
Sebenzisa iinkwere ezincani zizokusiza.









Teacher:
Sign:
Date:

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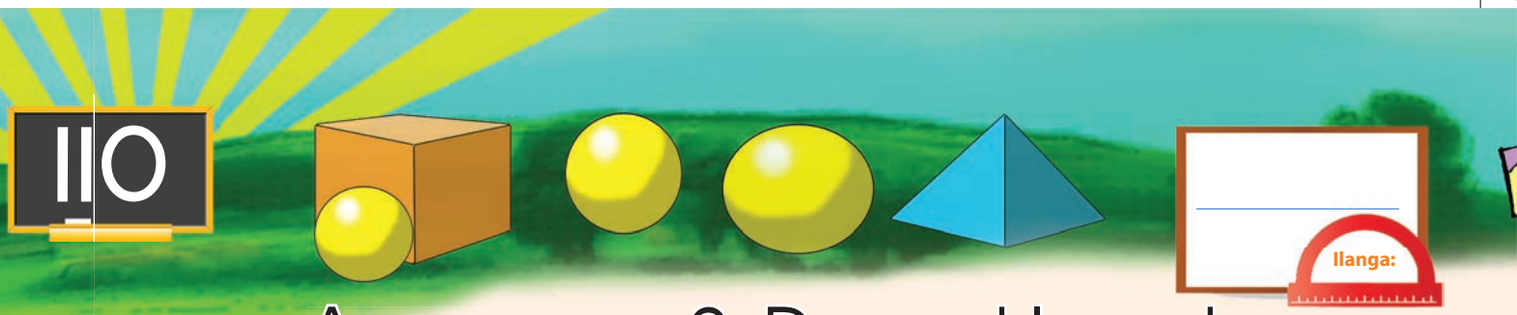


Amajamo we-2-D – amahlangothi anqophileko nayindulungu



Gadangisa amajamo alandelako.

aboncantathu	iindulunga	iinkwere
iindulunga	aboncantathu	iinkwere



Thika ukutjho nangabe ijamo linamahlangothi anqophileko nanyana ayindulungu.

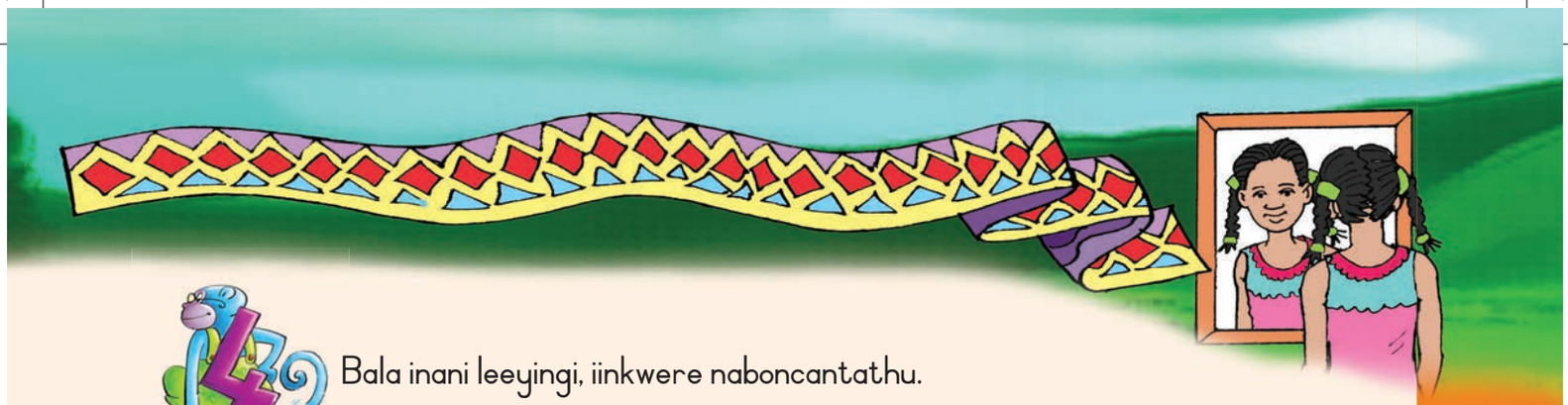
Amahlangothi ayindulungu ☐ Amahlangothi anqophileko ☐	Amahlangothi ayindulungu ☐ Amahlangothi anqophileko ☐	Amahlangothi ayindulungu ☐ Amahlangothi anqophileko ☐



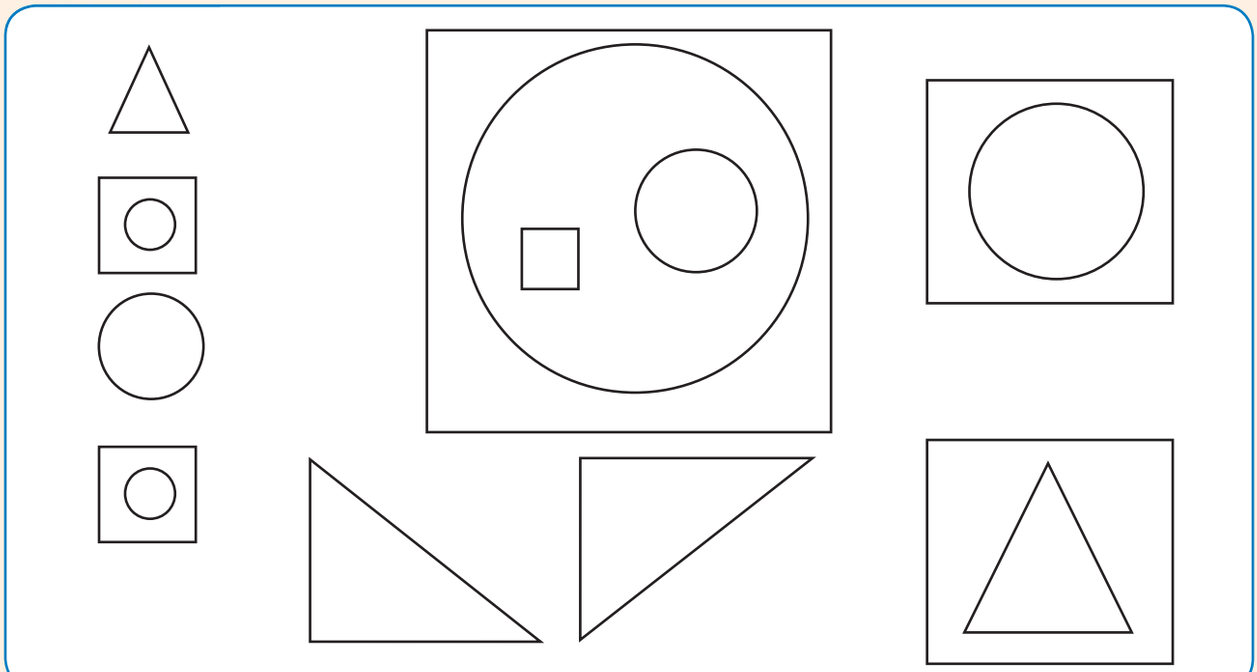
Gwala ijamo elinamahlangothi alandelako:

Amahlangothi anqophileko	Amahlangothi ayindulungu





Bala inani leeyingi, iinkwere naboncantathu.



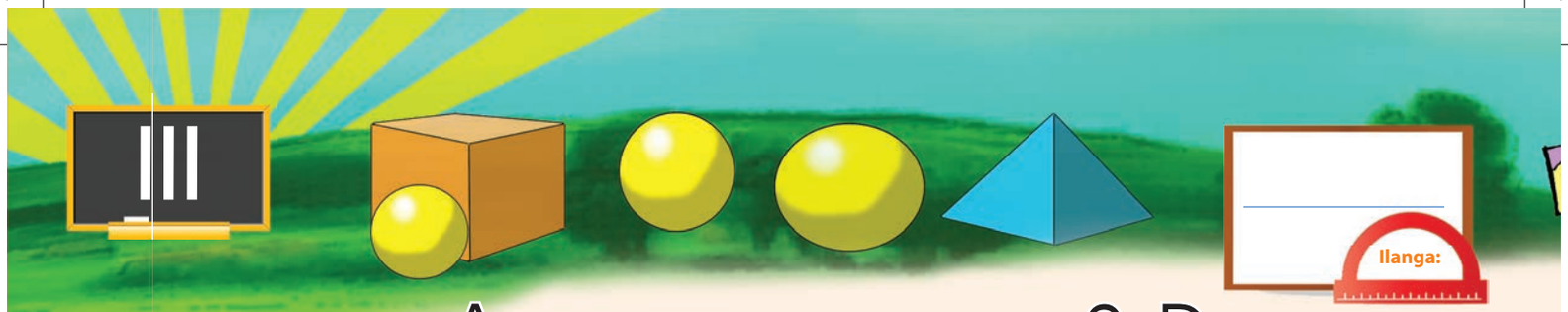
Iindulungu ☐ Iinkwere ☐ Aboncantathu ☐

Funyana isithombe sezinto kibomegazini ezine:

Amahlangothi ayindulungu	Amahlangothi anqophileko

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



Amanye amajamo we – 2-D



Yitjho amajamo alandelako:

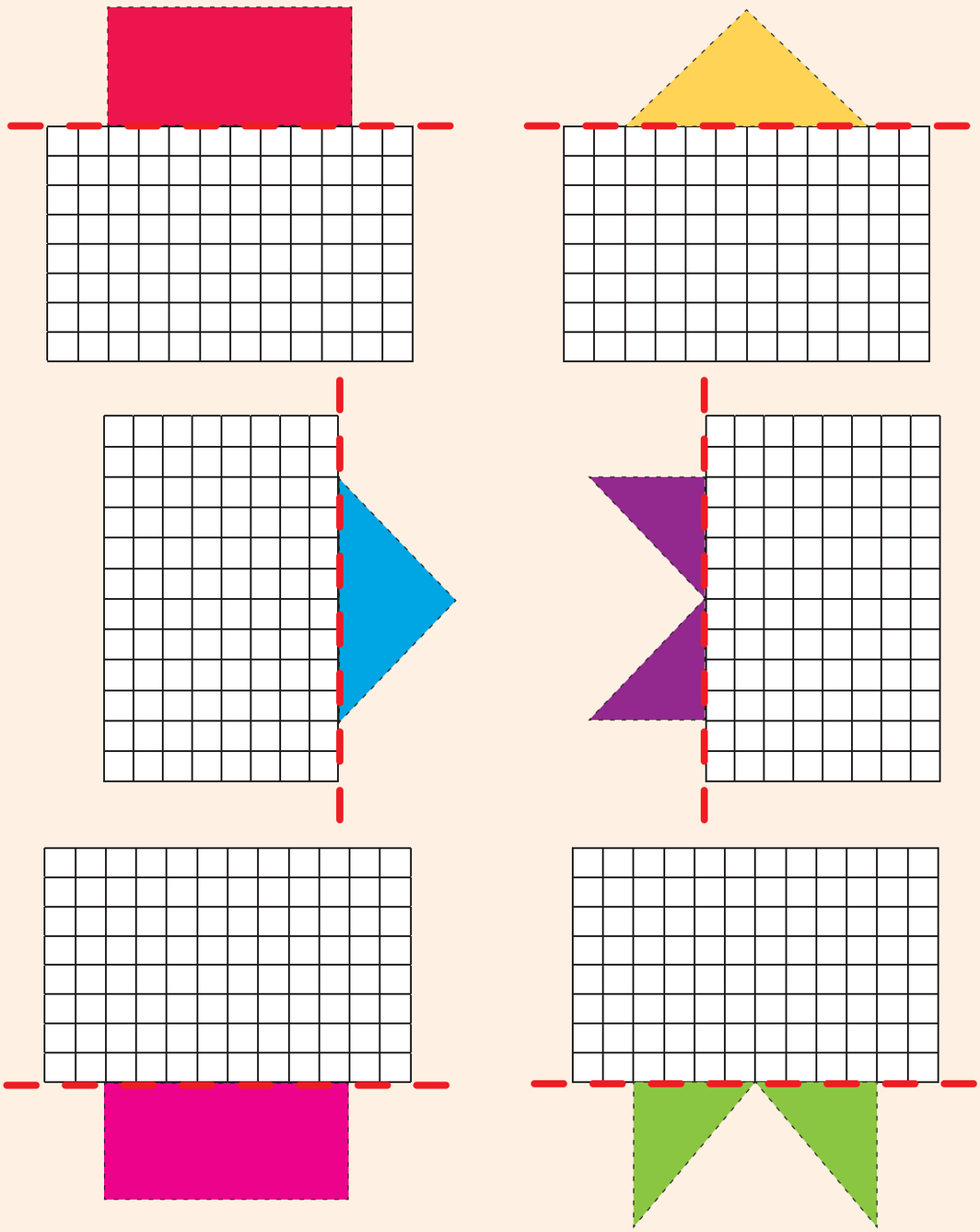


Zigwalele sakho isithombe usebenzise iiyingi, aboncantathu neenkwere kwaphela.





Gwala enye ihafu yelinye nelinye ijamo.
Sebenzisa iinkwere ezincani zizokusiza.



Zoke zinamahlangothi ayindulunga anqophileko .

Teacher:
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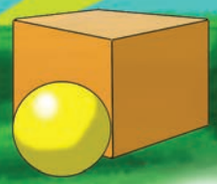
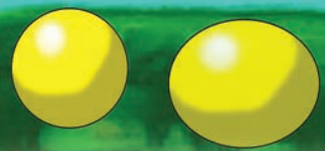
Date:

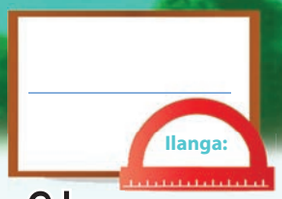
11 12 13 14 15 16 17 18 19 20

112







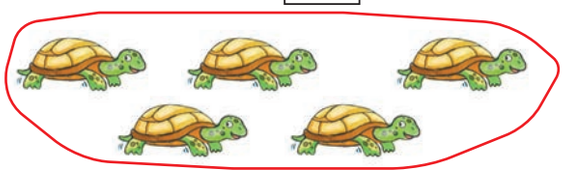


Amabuthelelo wangakuhlanu bekufike ema-20

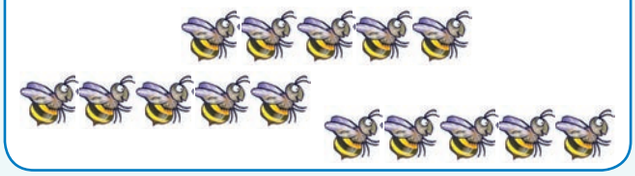


Gwala iiyingi ukwaka amabuthelelo wangakuhlanu.
Unamabuthelelo wangakuhlanu amangaki?

Ibuthelelo eli- [1] langaku-5



[ ] amabuthelelo wangaku-5



[ ] amabuthelelo wangaku-5



[ ] amabuthelelo wangaku-5





Bala inani lemino. Tlola phasi ipendulo yakho.



5 + 5 + 5 = [ ]



5 + 5 + 5 + 5 = [ ]

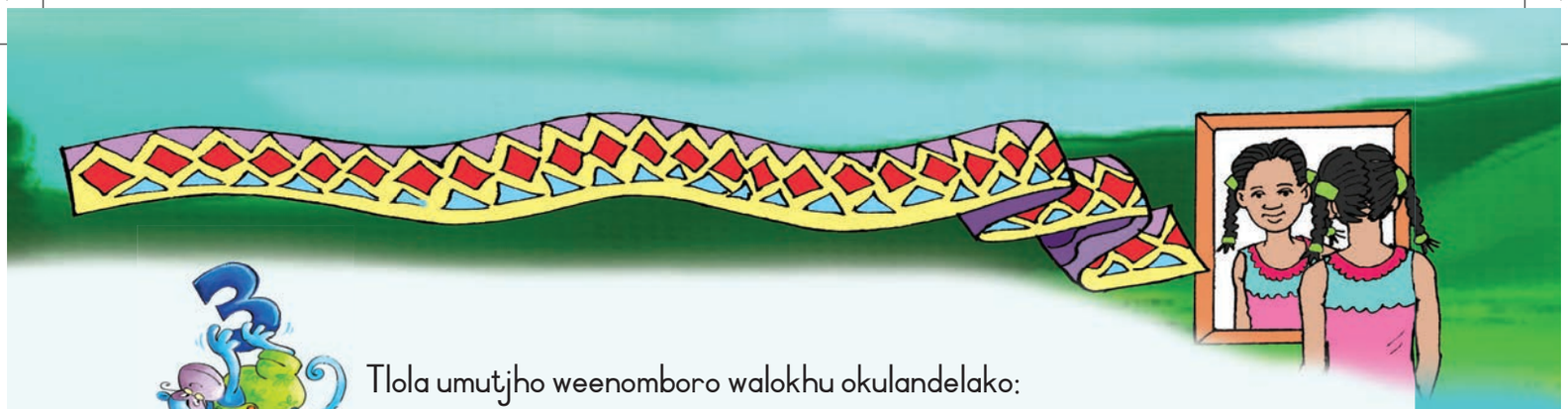


5 + 5 + 5 + 5 + 5 = [ ]

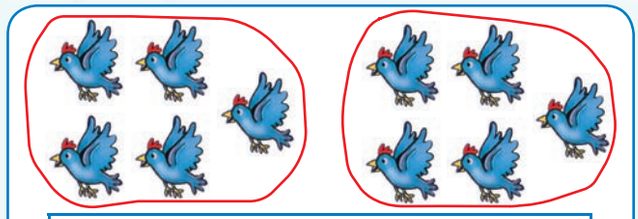


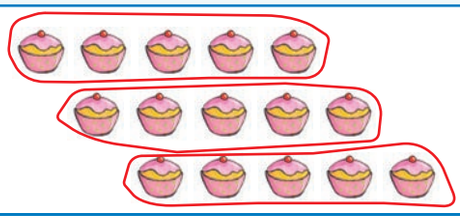
5 + 5 + 5 + 5 + 5 + 5 = [ ]

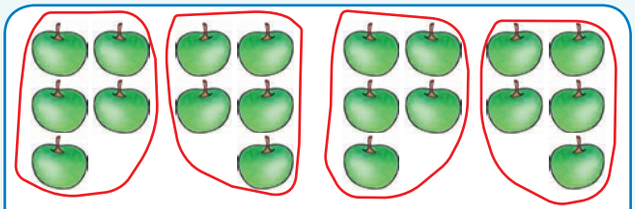




Tlola umutjho weenomboro walokhu okulandelako:









Phendula imibuzo.



Ubona imali yesimbi eziinsende eziyi-5c engangani?

Tlola ipendulo yakho ngomutjho weenomboro.

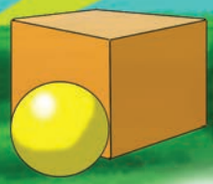
Qedelela ngeenomboro ezilandelako.

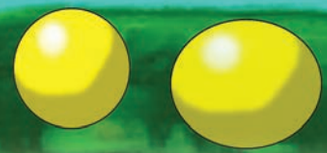
1	2	3	4		6	7	8	9	
11	12	13	14		16	17	18	19	

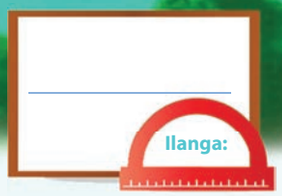
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

113





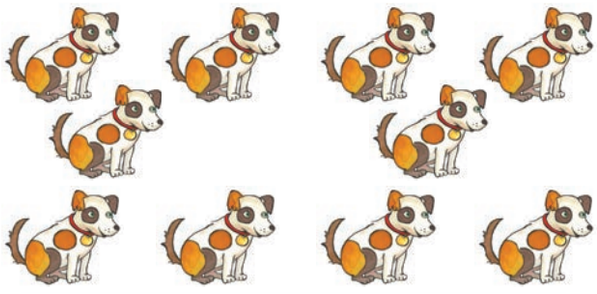


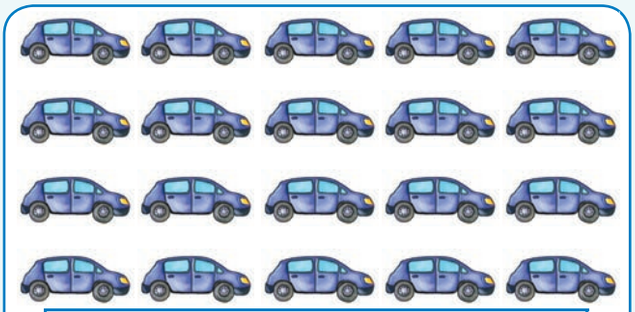
Okuhlanu – ukuhlanganisa okubuyelelweko bekufike ema-20

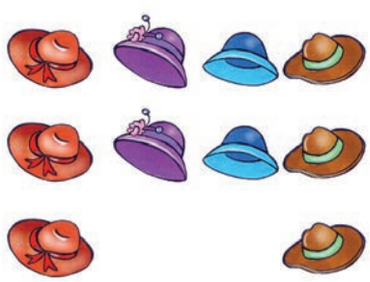


Beka amabuthelelo wangakuhlanu bese utlole umutjho weenomboro.











Gwala amabuthelelo wamajamo ukutjengisa imitjho yeenomboro.

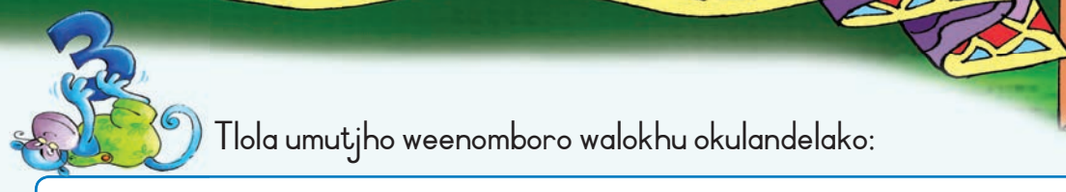
5 + 5 + 5 = ☐

☐

5 + 5 + 5 + 5 = ☐

☐

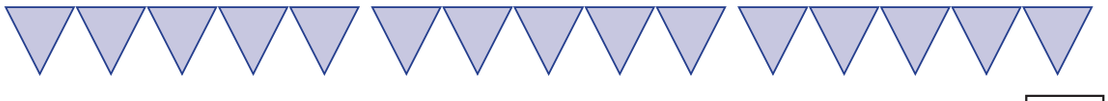




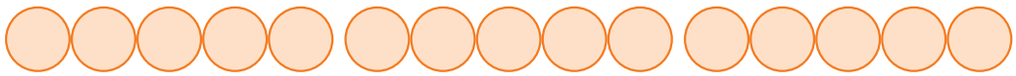
Tlola umutjho weenomboro walokhu okulandelako:



5 + 5 = ☐



☐



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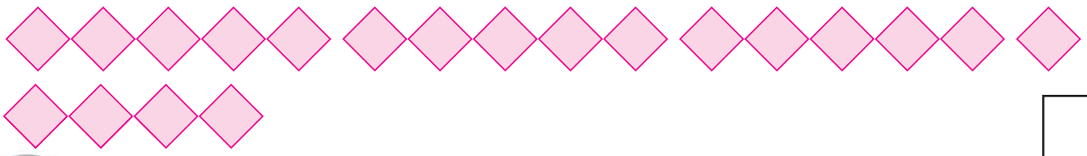

☐



Uzibala kangaki iinomboro ezihlanu? _____

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



Emafesidereni kunezandla ezi-3. Mimino emingaki efesidereni?
Gwala isithombe bese utlole umutjho weenomboro.



Teacher:
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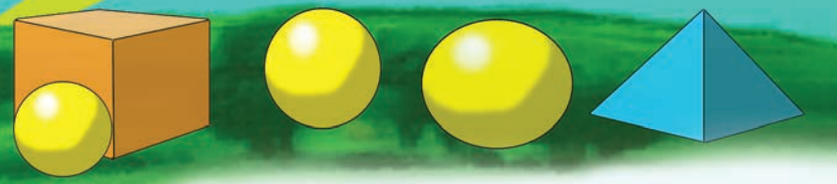
Date:

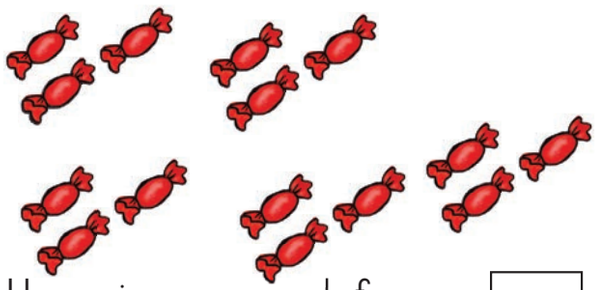


Ilanga:

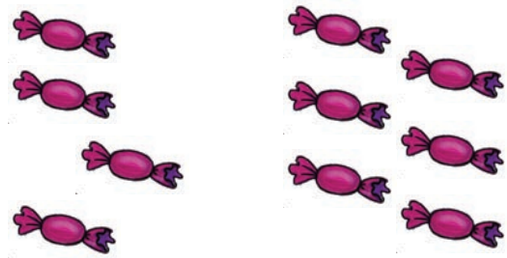
Ukwahlukaniselana bekufike ema-20



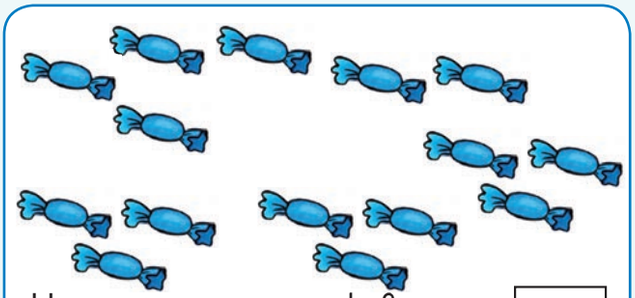
Yabela abangani abahlanu amaswidi.
Umngani ngamunye uzokufunyana amaswidi amangaki?



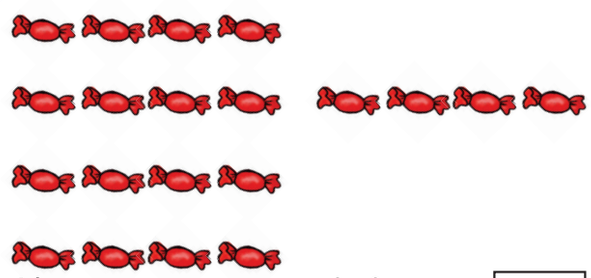
Umngani ngamunye uzokufunyana amaswidi. ☐



Umngani ngamunye uzokufunyana amaswidi. ☐



Umngani ngamunye uzokufunyana amaswidi. ☐



Umngani ngamunye uzokufunyana amaswidi. ☐

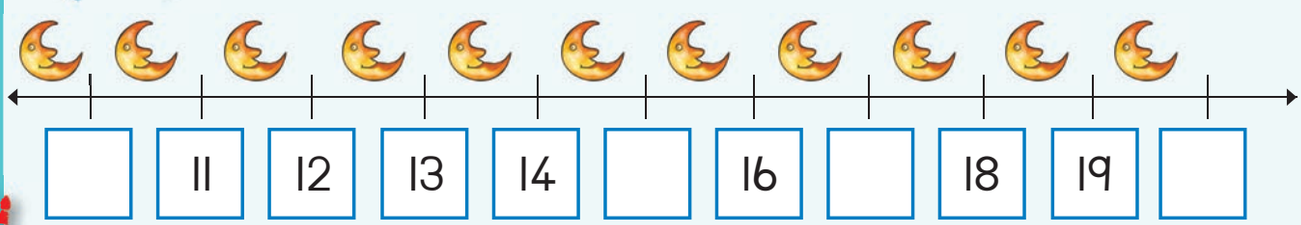


Umngani ngamunye uzokufunyana amaswidi.

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

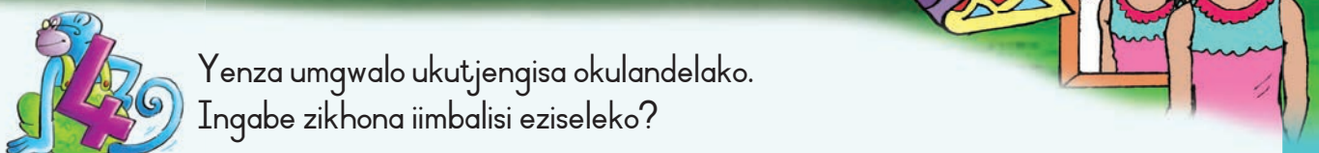


Qedelela ngeenomboro ezitlhayelako.



	11	12	13	14		16		18	19	





Yenza umgwalo ukutjengisa okulandelako.
Ingabe zikhona iimbalisi eziseleko?

Yabela abentwana abahlanu iimbalisi ezili-10. Kusele iimbalisi ☐.	Yabela abentwana abahlanu iimbalisi ezili-10. Kusele iimbalisi ☐.
Yabela abentwana abahlanu iimbalisi ezili-11. Kusele iimbalisi ☐.	Yabela abentwana abahlanu iimbalisi ezili-16. Kusele iimbalisi ☐.



Tlola umutjho weenomboro walokhu okulandelako:



5 + 5 = ☐



☐



☐



☐



Teacher:
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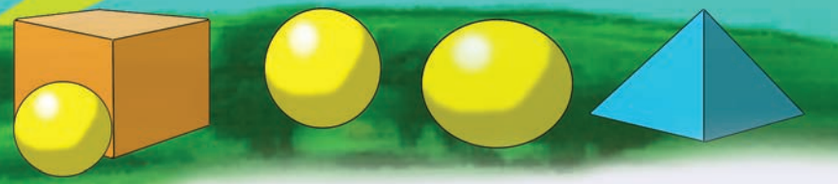
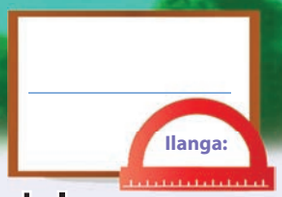
Date:







Amaphetheni weenomboro – ngakuhlanu bekufike e-100



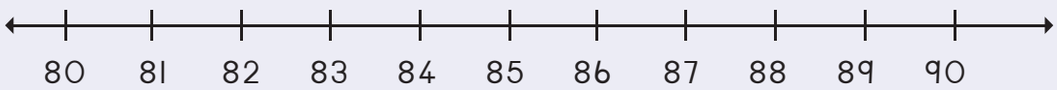
Qedelela iphetheni ngokuthi ukhalare isibuyabuyelelo sangakuhlanu.

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

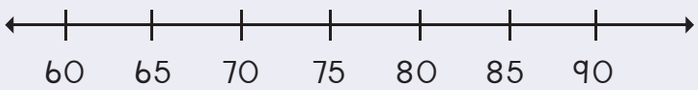


Gwala amawulawubhu ukutjengisa okulandelako:

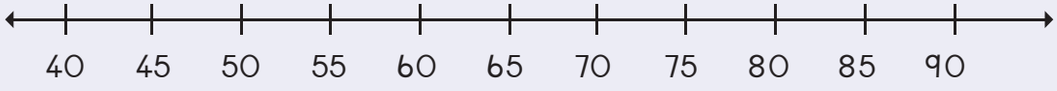
86, 88, 90



70, 75, 80



55, 60, 65, 70





Sebenzisa iwatjhi ukutjengisa imizuzu ebalwa ngakuhlanu.

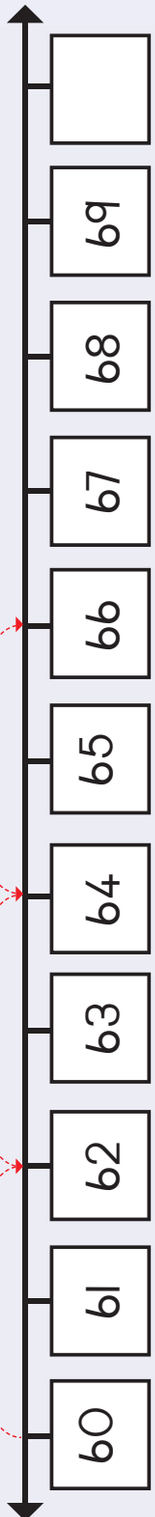


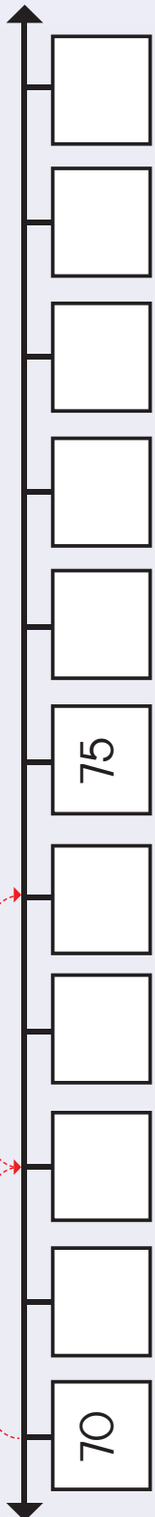


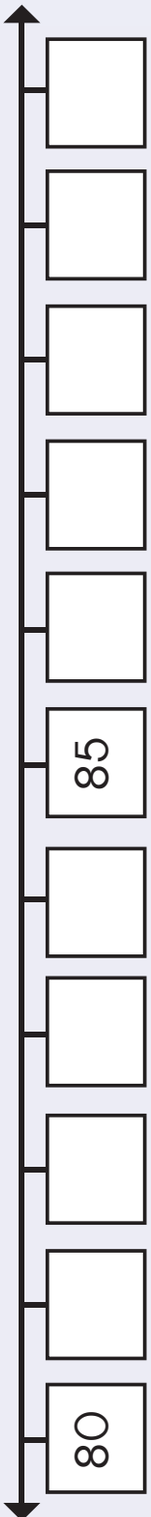


Beka iinomboro ozisike kiboSika besi-2 eendaweni lapha kutlhayela khona iinomboro kumanambalayini.
Begodu uqedelele namawulawubhu.







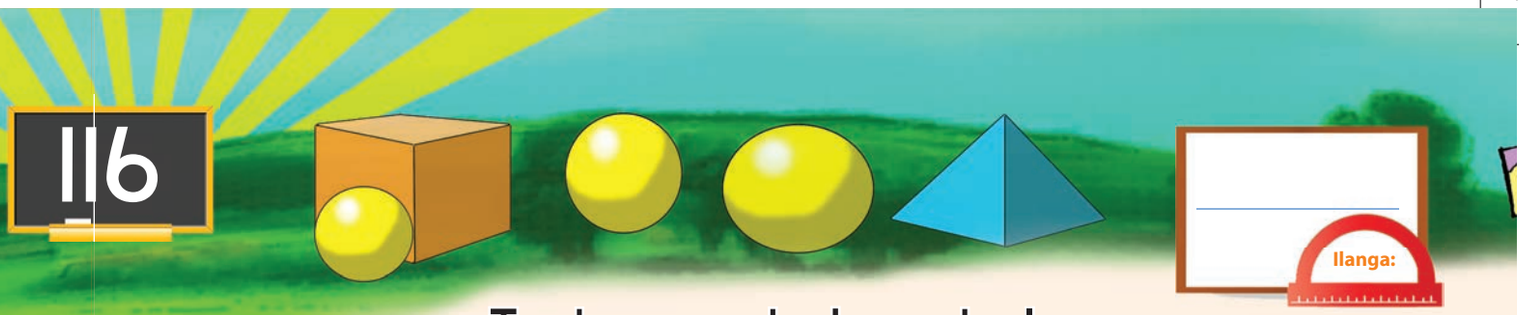




Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

116



Indawo nokubonakala



Madanisa ilingaphambili kanye nelingemuva lesilwana.

Ilingaphambili	Ilingemuva
	
	
	
	

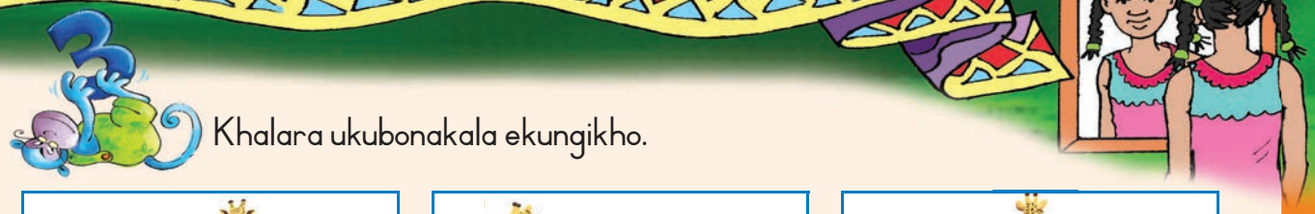


Ndulungela umkhonto omadana nomkhonto ofiphaziweko.

↑	
↓	
←	
→	

→	←	↑	↓
↑	↓	→	←
→	←	↑	↓
↑	←	↓	→

0 1 2 3 4 5 6 7 8 9 10



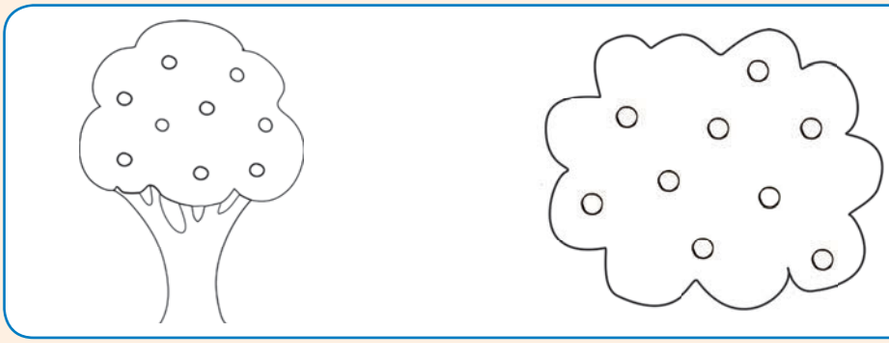
Khalara ukubonakala ekungikho.

		
Ukubonakala: ngaphezulu	Ukubonakala: ngaphezulu	Ukubonakala: ngemuva
Ukubonakala: ngeqadi/ ngehlangothini	Ukubonakala: ngeqadi/ ngehlangothini	Ukubonakala: ngeqadi/ ngehlangothini
Ukubonakala: ngaphambili	Ukubonakala: ngaphambili	Ukubonakala: ngaphambili

Ukatsi ukuphi?
Khalara ipendulo enembako.

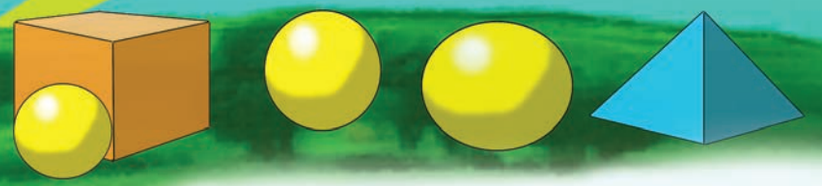
		
Ngemuva	Ngemuva	Ngemuva
Ngaphambili	Ngaphambili	Ngaphambili
Eduze kwe-	Eduze kwe-	Eduze kwe-

Qalisisa iinthombe zomuthi.
Khalara ukubonakala kwangaphezulu.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

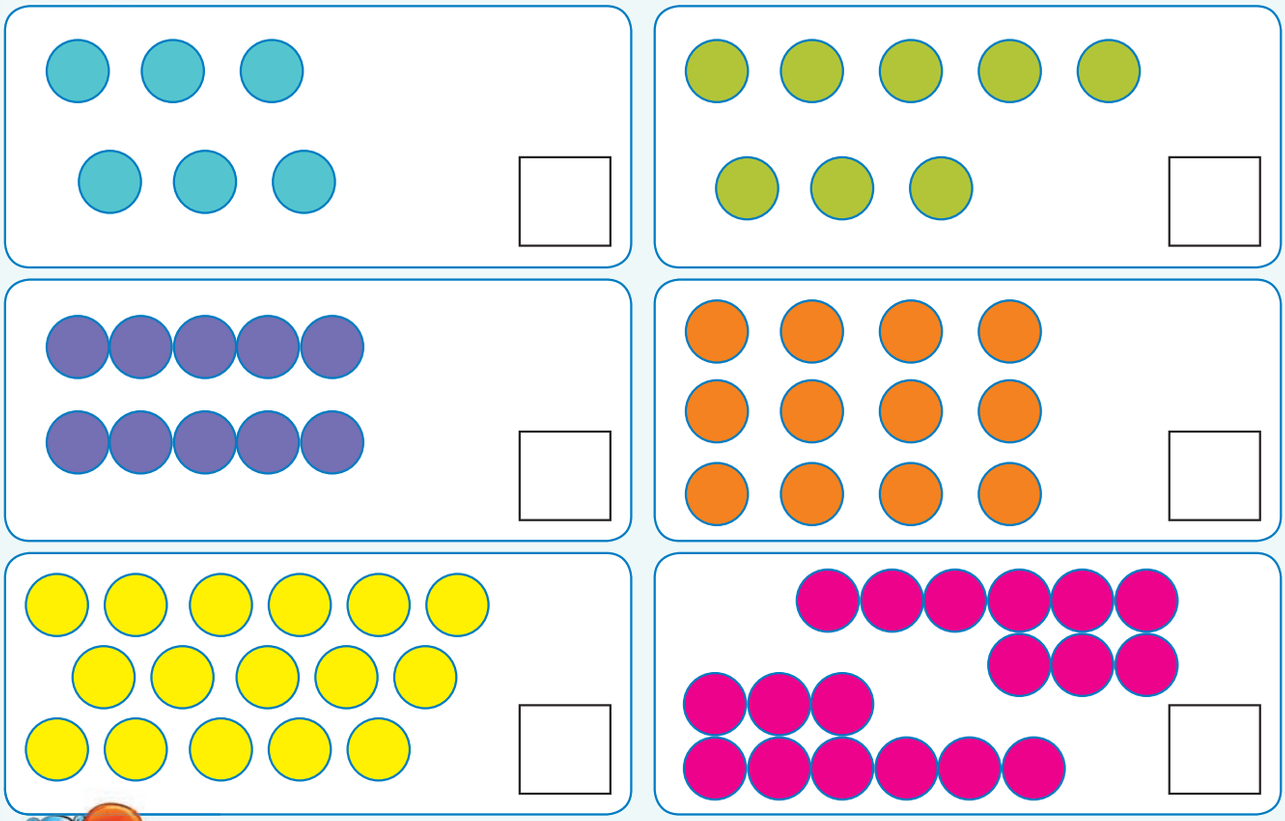


Ilanga:

Amabuthelelo wangakubili bekufike ema-20

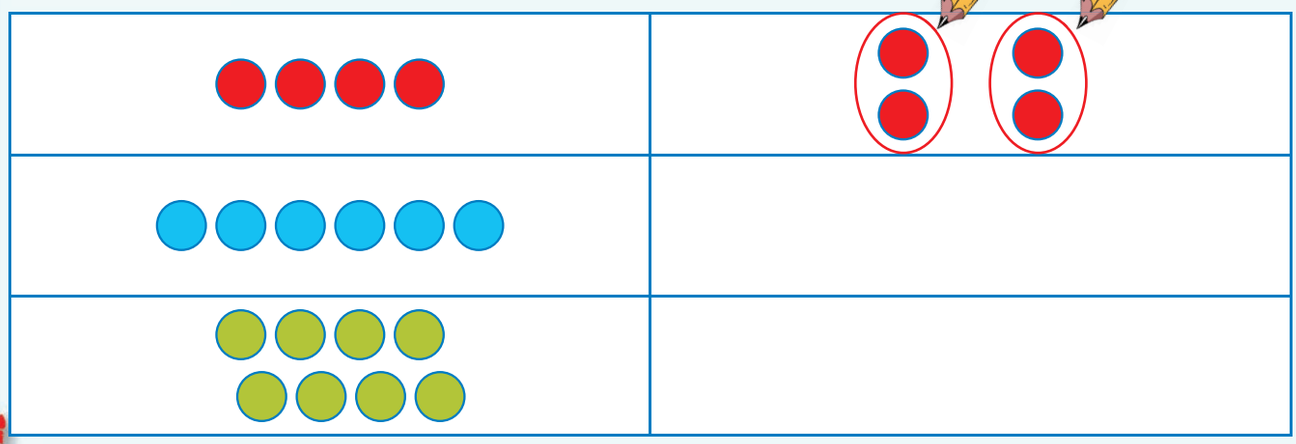


Beka amabuthelelo wangakubili. Tlola kobana kunamabuthelelo amangaki?





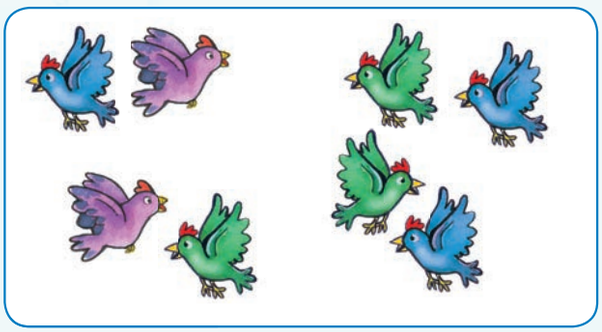
Beka amabuthelelo wangakubili. Gwala amabuthelelo.







Phendula imibuzo.



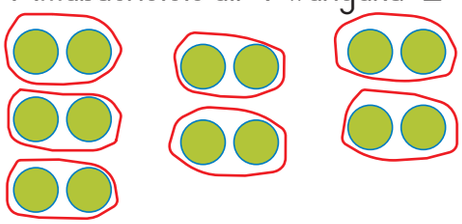
Kuneenyoni ezingaki?

Ungabeka amabuthelelo wangakubili amangaki?

Tlola umutjho weenomboro.

Gwala iiyingi ukwenza okulandelako:

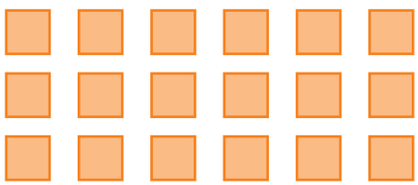
Amabuthelelo ali-7 wangaku-2



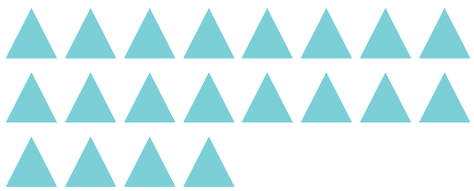
Amabuthelelo abu-8 wangaku-2



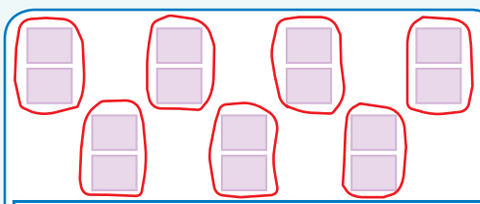
Amabuthelelo ali-9 wangaku-2

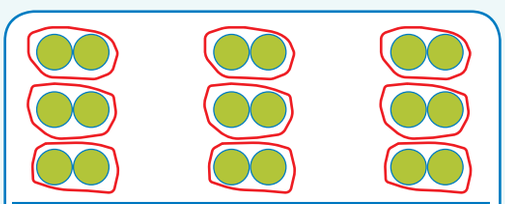


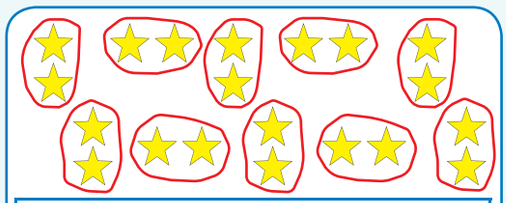
Amabuthelelo ali-10 wangaku-2

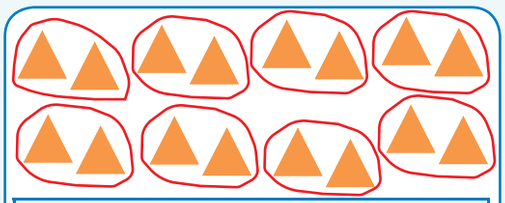


Tlola umutjho weenomboro walokhu okulandelako:



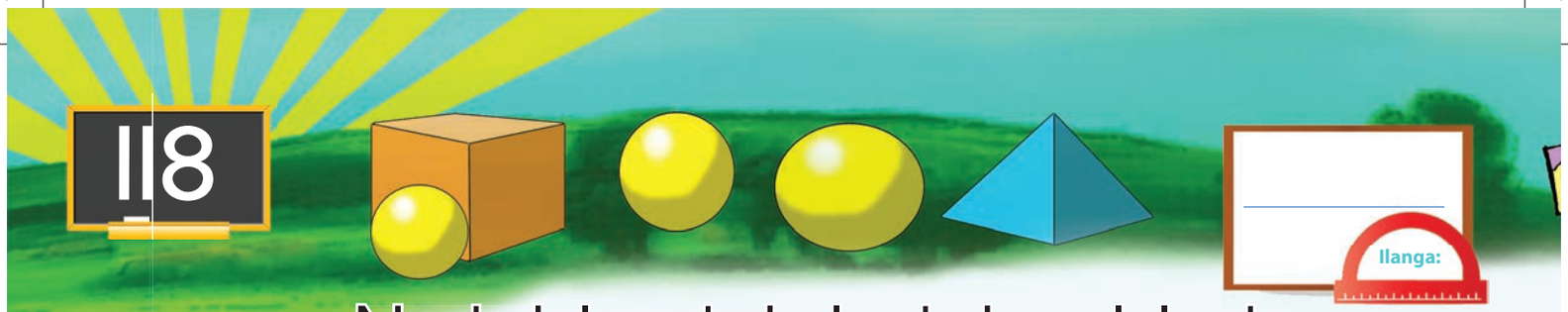






Teacher:
Sign:
Date:

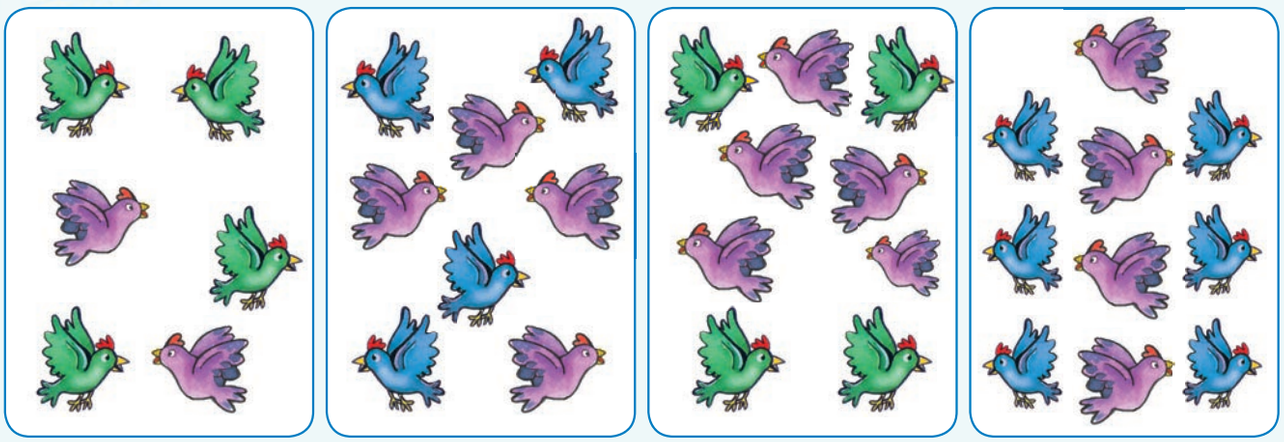
11 12 13 14 15 16 17 18 19 20



Ngakubili – ukubala okubuyelelweko bekufike ema-20



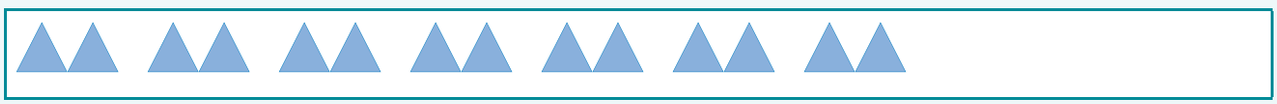
Kuneenyawo ezingaki? Gwala umutjho weenomboro wesibalo ngasinye.





Gwala amajamo walokhu okulandelako:

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

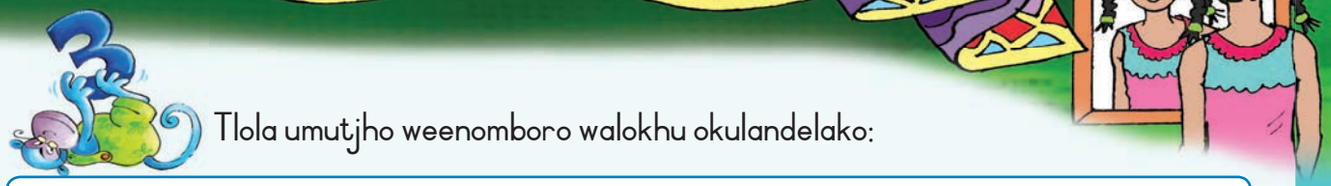


2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 =

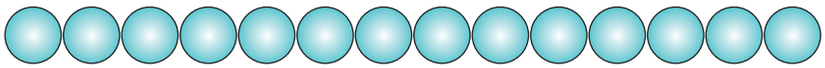
2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 =

2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 =

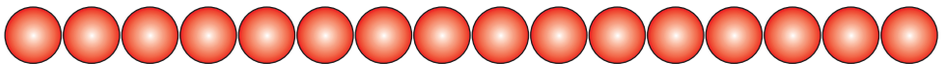


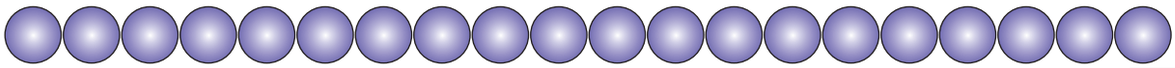


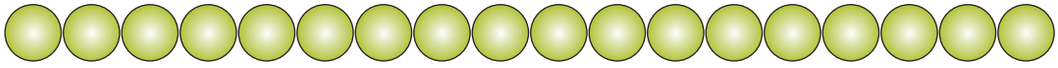
Tlola umutjho weenomboro walokhu okulandelako:



2 + 2 + 2 + 2 + 2 + 2 + 2 =







Khalara isibuyabuyelelo sangakubili.

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

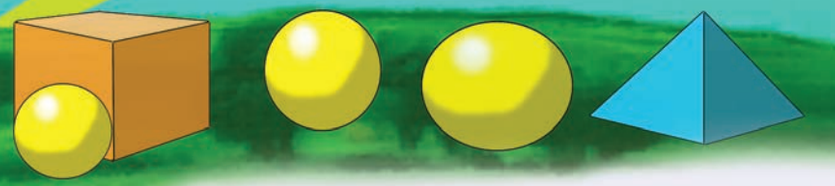
Nginamaphakethe asi-6 wamaswidi. Ngephaketheni ngalinye, kunamaswidi ama-2. Nginamaswidi amangaki? Gwala isithombe bese utlole nomutjho weenomboro.

Nginamaswidi ☐.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

119



Ilanga:

Amaphetheni weenomboro – ngakubili bekufike e-100



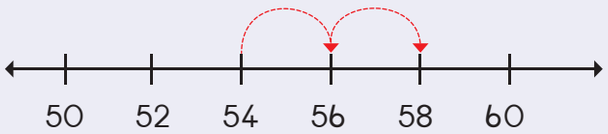
Qedelela iphetheni ngokukhalara .

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

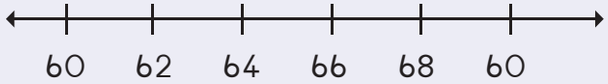


Gwala amawulawubhu ukutjengisa okulandelako:

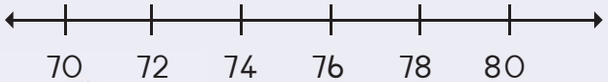
54, 56, 58



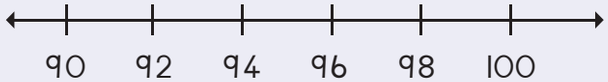
64, 66, 68



74, 76, 78



94, 96, 98



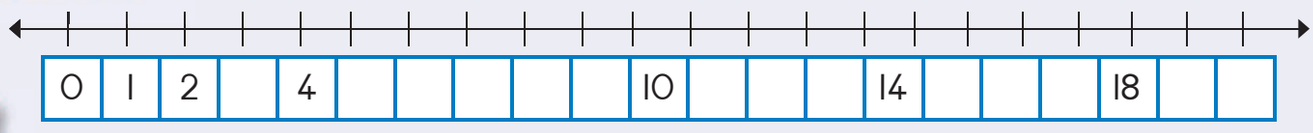


Qedelela ngeenomboro ezitlhayelako. Khalara iphetheni yeenomboro: 2,4,...

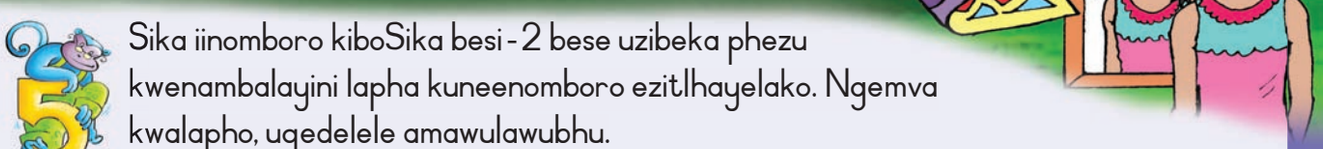
1		3				7			10
11						17			20



Qedelela inambalayini.





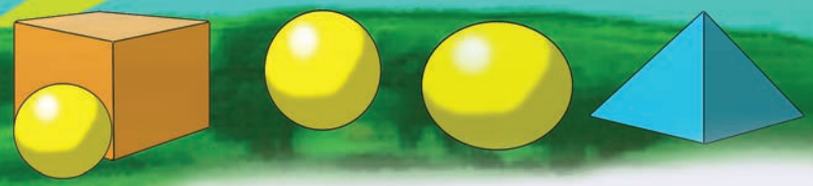


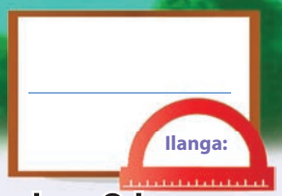
Sika iinomboro kiboSika besi-2 bese uzibeka phezu kwenambalayini lapha kuneenomboro ezitlhayelako. Ngemva kwalapho, uqedelele amawulawubhu.

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

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

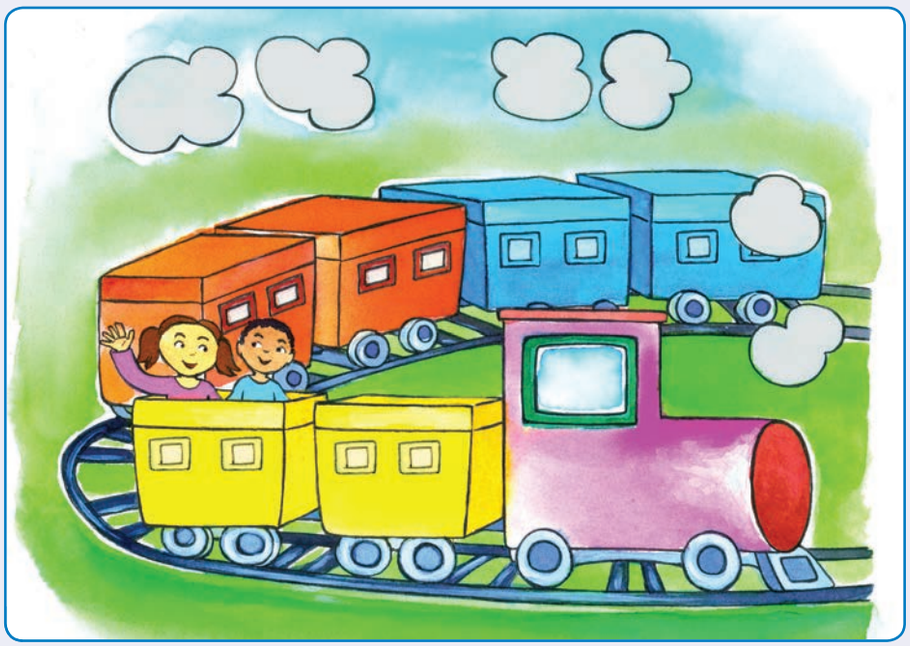




Iphetheni yeenomboro – ngakubili bekufike e-100

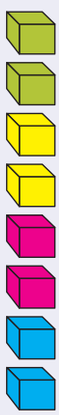


Uyayibona iphetheni yangakubili?

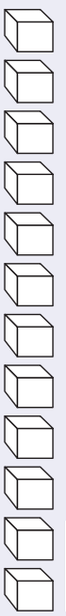


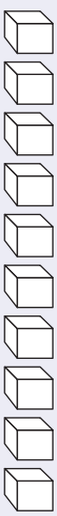


Khalara amabhlogo ukutjengisa amabuthelelo wangakubili.
Bala kobana kunamabuthelelo amangaki?



4

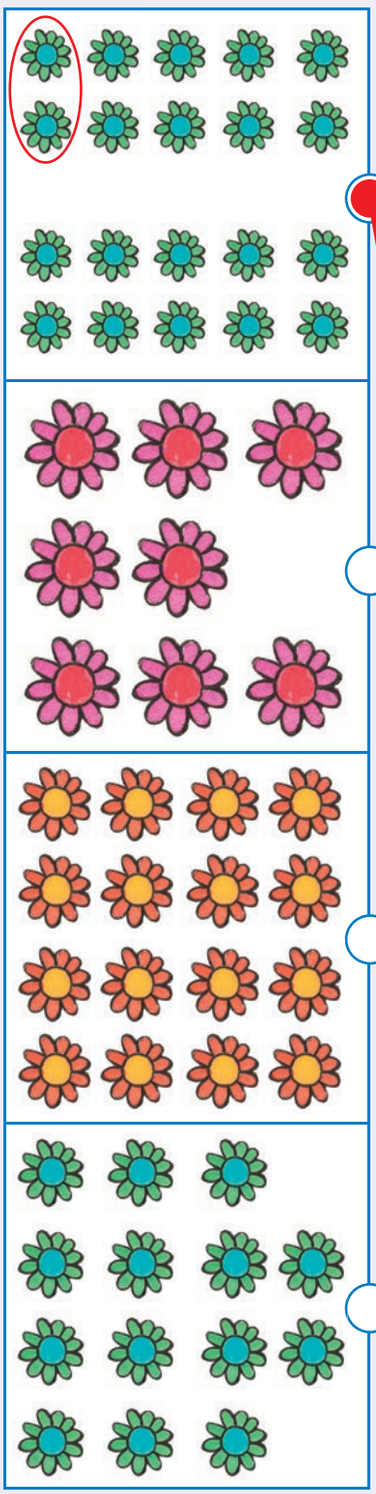








Madanisa amabuthelelo wangakubili nomutjho weenomboro ngokuthi ugwale umuda.



$2 + 2 + 2 + 2 = 8$

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

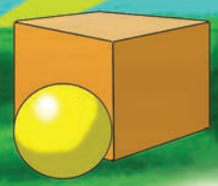
$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20$

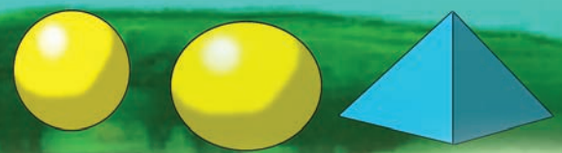
$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

121



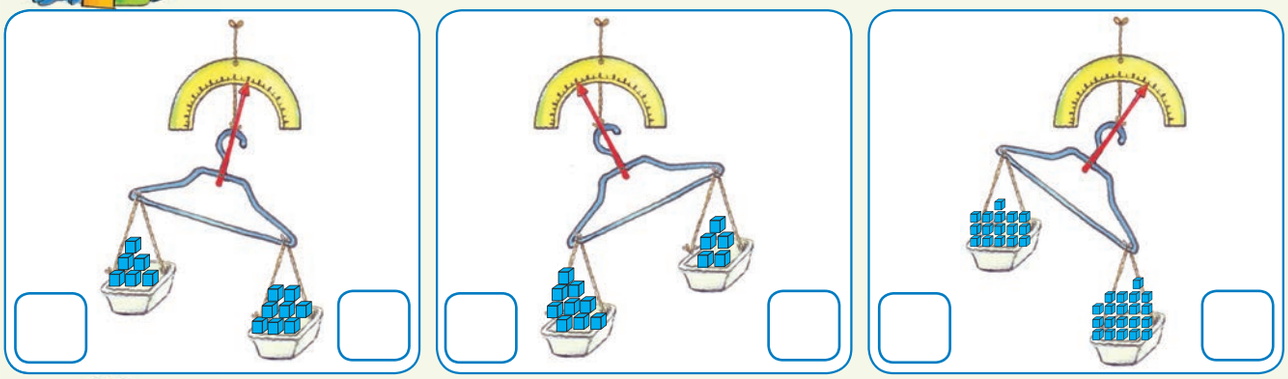


Ilanga:

Imasi (ubudisi)

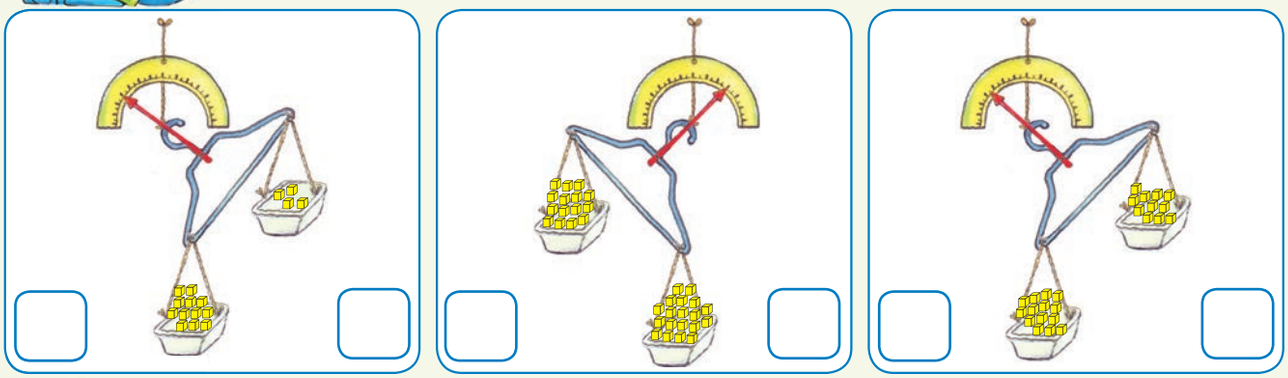


Tlola kobana mabhlogo amangaki esimumathini ngasinye.
Ndulungela isimumathi esibudisi khulu.



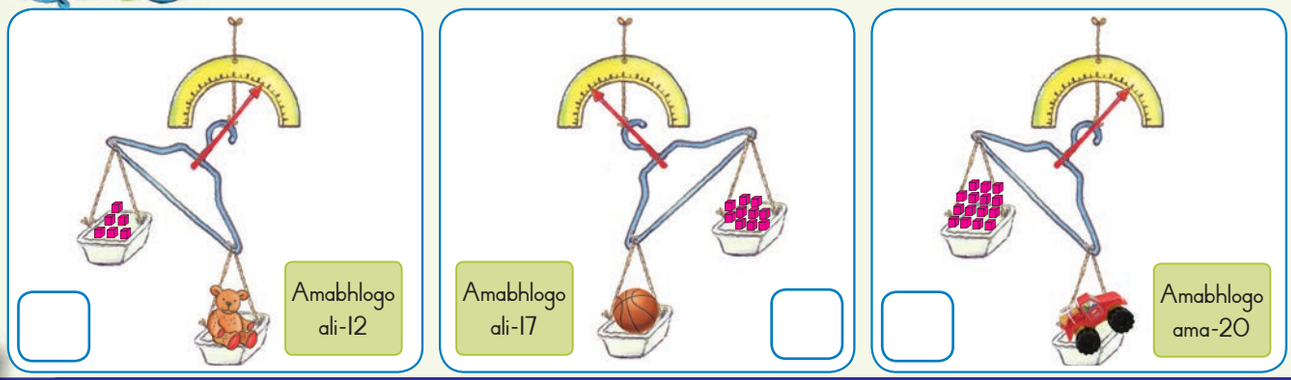


Tlola kobana mabhlogo amangaki asesimumathini ngasinye.
Ndulungela isimumathi esilula khulu.

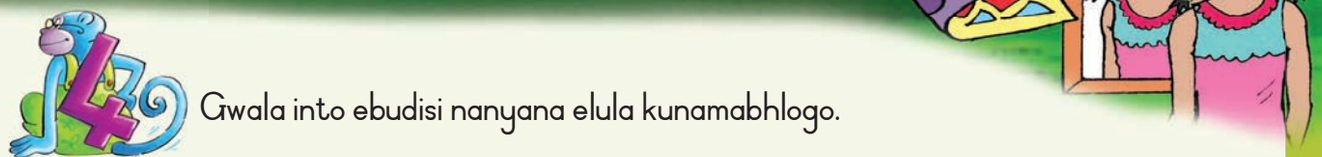




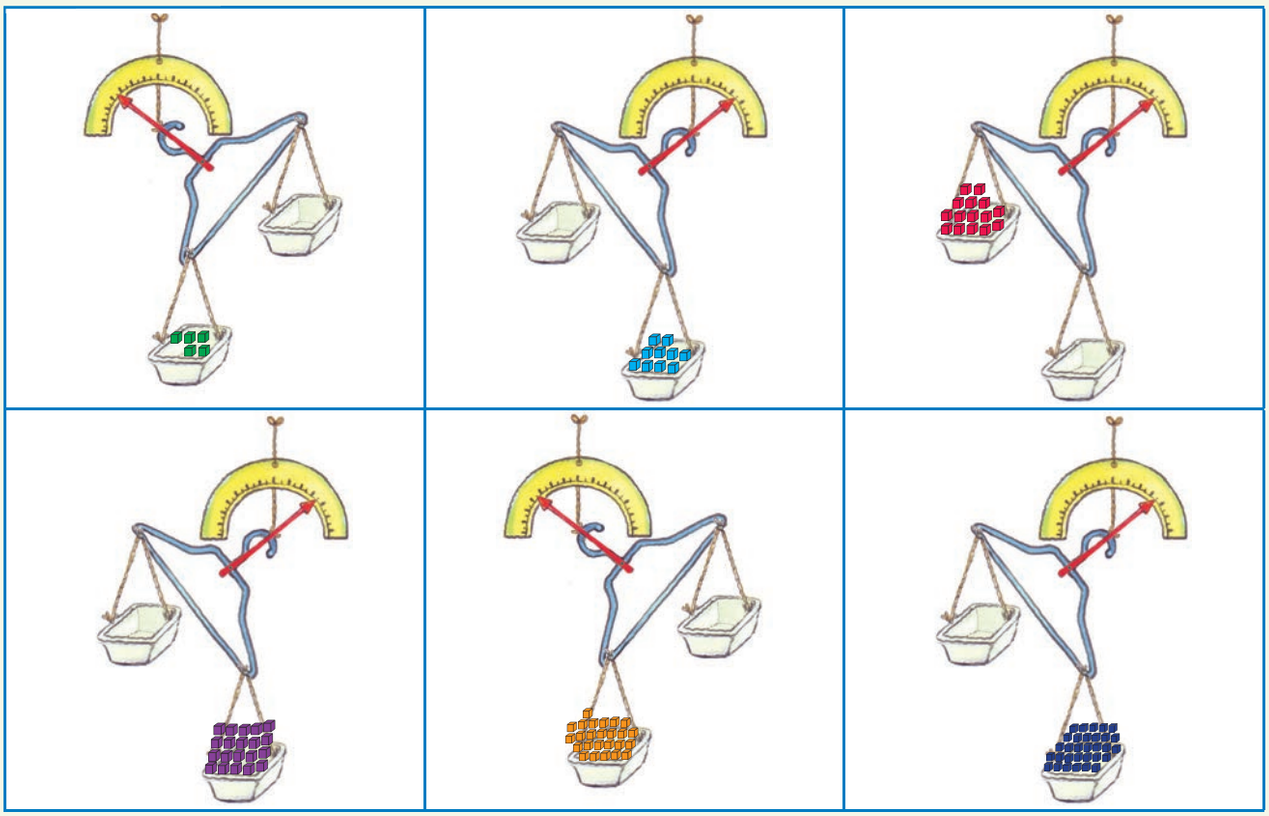
Bala kobana kunamabhlogo amangaki. Bese uyabalisisa kobana mabhlogo amangaki angezelelweko azokutlhogeka ukubhalansa isidlalisi.
Yitjho kobana isidlalisi sikala ubudisi obungangani.







Gwala into ebudisi nanyana elula kunamabhlogo.

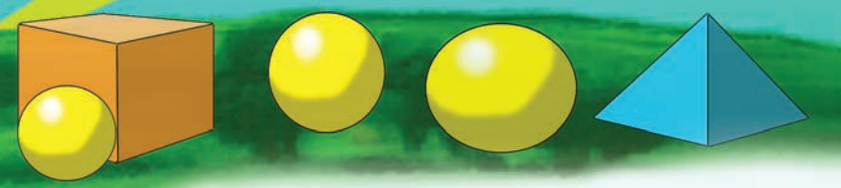


Sebenzisa izinto ezihlanu ezisedeskini lakho. Kokuthoma, linganisa kobana zikala ubudisi obungangani bese usebenzisa isikala ukubona-ke kobana ukulinganisa kwakho kuyanemba na.

Gwala into	Funisela	Imasi	Umehluko
	amabhlogo___	amabhlogo___	___ – ___ = ____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



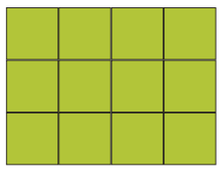
Ilanga:

Ukubuyelela kabili

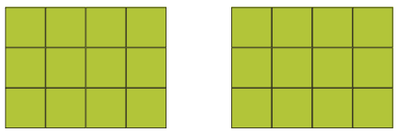


Phendula okulandelako:

Kuneenkwere ezingaki?

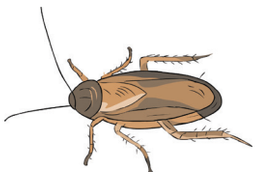


Kwanje kuneenkwere ezingaki?

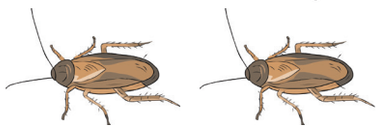


Sithi i-12 nalibuyelelwe kabili ipendulo ma-24.

Ubona imilenze emingaki?



Kwanje sele kunemilenze emingaki?



Sithi isi-6 nasibuyelelwe kabili

Kunamasketle amangaki?



Kwanje sele kunamasketle amangaki?



Sithi i-10 nalibuyelelwe kabili ipendulo

Evekeni eyodwa kunamalanga amangaki?

Snd	Mvl	Lsb	Lst	Lsn	Lsh	Mqb

Eemvekeni ezimbili kunamalanga amangaki?

Snd	Mvl	Lsb	Lst	Lsn	Lsh	Mqb

Sithi i-7 nalibuyelelwe kabili ipendulo

Kunamakhrayoni amangaki?



Kwaje kunamakhrayoni amangaki?



Sithi u-8 nakabuyelelwe kabili ipendulo





Tlola ipendulo.

u-4 nakabuyelelwe kabili	=	8
i-10 nalibuyelelwe kabili	=	
i-11 nalibuyelelwe kabili	=	
oku-2 nakubuyelelwe kabili	=	
isi-6 nasibuyelelwe kabili	=	



Tlola ipendulo.

Okubili nakubuyelelwe kabili	okune
Okuthathu nakubuyelelwe kabili	
Okune nakubuyelelwe kabili	
Okuhlanu nakubuyelelwe kabili	
Okusithandathu nakubuyelelwe kabili	
Okulikhomba nakubuyelelwe kabili	



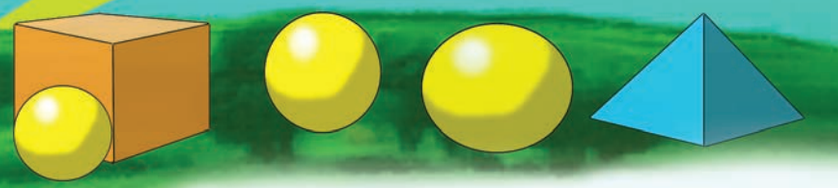
Qedelela itheyibula.

9 + 9 + 1 =		nanyana	Okuli-9 nakubuyelelwe kabili + 1 =	
		nanyana	Okubu-8 nakubuyelelwe kabili + 1 =	
10 + 10 + 1 =		nanyana		
7 + 7 + 1 =		nanyana	Okuli-7 okubuyelelwe kabili + 1 =	

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

123



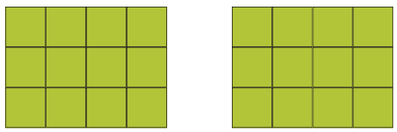
Ilanga:

Ukuhafula

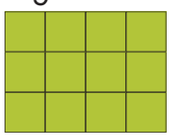


Phendula okulandelako:

Ziinkwere ezingaki?

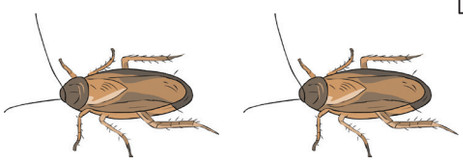


Kwanje sele ziingaki?

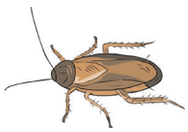


Sithi, ihafu yama-24 li-12.

Kunemilenze emingaki?



Kwanje sele kunemilenze emingaki?



Sithi, ihafu ye-12

Kunamasketle amangaki?



Kwanje sele kunamasketle amangaki?



Sithi ihafu yama-20

Malanga amangaki aseemvekeni ezi-2?

Snd	Mvl	Lsb	Lst	Lsn	Lsh	Mqb	Snd	Mvl	Lsb	Lst	Lsn	Lsh	Mqb

Evekeni eyodwa kunamalanga amangaki?

Snd	Mvl	Lsb	Lst	Lsn	Lsh	Mqb

Sithi ihafu ye-14

Kunamakhrayoni amangaki?



Kwanje kunamakhrayoni amangaki?



Sithi ihafu ye-16





Tlola ipendulo.

Ihafu yobu-8	=	4
Ihafu ye-10	=	
Ihafu yesi-6	=	
Ihafu ye-12	=	
Ihafu ye-14	=	



Tlola ipendulo.

Ihafu yesine	okubili
Ihafu yesithandathu	
Ihafu yokubili	
Ihafu yobunane	
Ihafu ye-10	



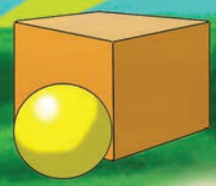
Tlola ipendulo.

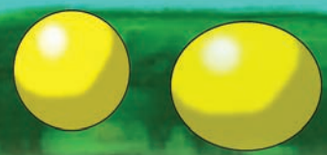
Ihafu ye-10	5
Ihafu ye-12	
Ihafu ye-14	
Ihafu ye-16	
Ihafu ye-18	

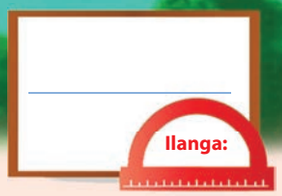


Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



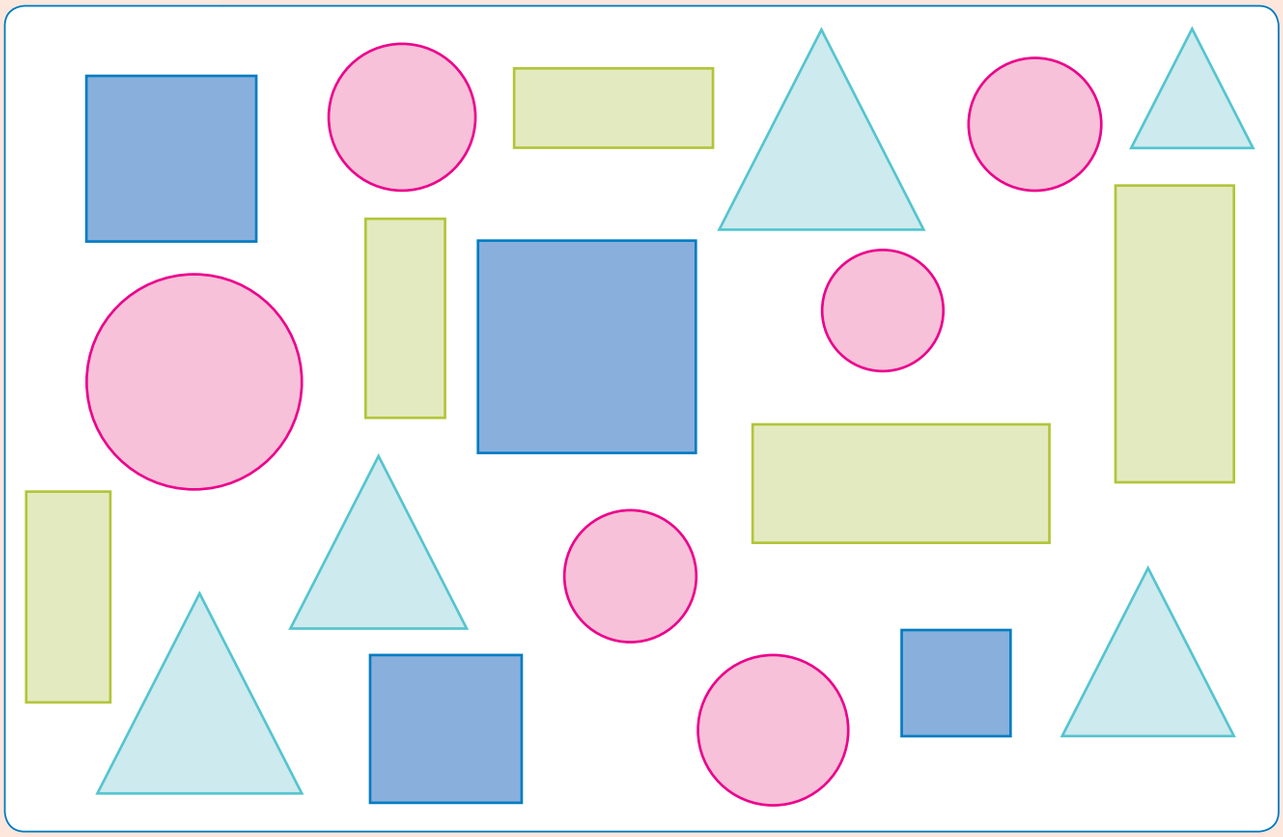




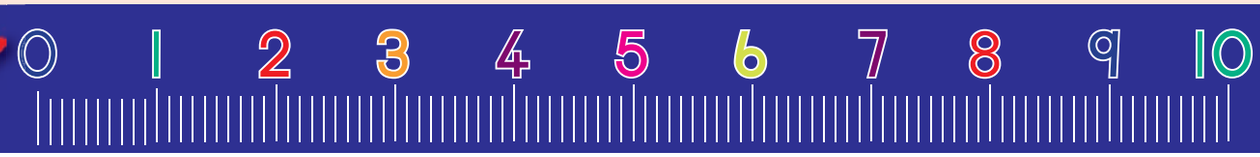
Idatha



Bala kobana kunamajamo amangaki ahlukeneko owabonako bese upendula imibuzo.



1. Ubona iinkwere  ezingaki?
2. Ubona aboncantathu  abangaki?
3. Ubona amarekthengela  amangaki?
4. Ubona iiyingi  ezingaki?





Iinthelo lezi zikhethwe bangani bakho abama-20.
Rhemisa iinthelo bese ugwala igrafu yeenthombe zeenthelo ozihlelileko bese uphendula imibuzo engenzasi.



Ikomba = ◯

Iinthelo esizithandako

Istrowubheri	I-apula	Ipiyere	Ibhanana	I-orentji

Bangaki abentwana abathanda amastrowubheri?	
Bangaki abentwana abathanda ama-apula?	
Bangaki abentwana abathanda amapiyere?	
Bangaki abentwana abathanda amabhanana?	
Bangaki abentwana abathanda ama-orentji?	
Ngisiphi isithelo abentwana abasithanda khulu?	
Ngisiphi isithelo abentwana abangasithandi khulu?	

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Date:

11 12 13 14 15 16 17 18 19 20

125

Ilanga:

Enye idatha



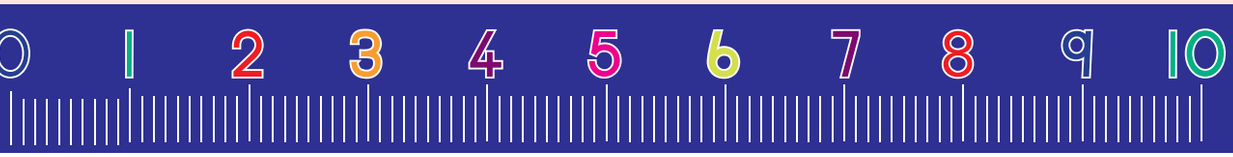
Abentwana ngetlasini baneendlalisi ezilandelako.
Unemihlobo emingaki yalokhu?

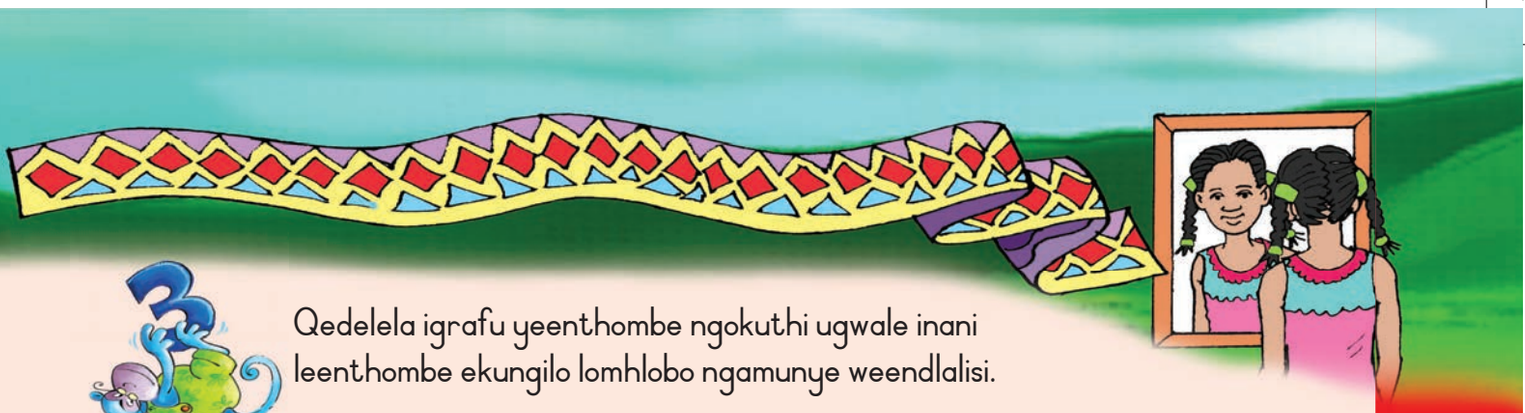




Qedelela itheyibula.

Isidlalisi	Inomboro
Abonodoli	
Amatraga	
Amabhere	
Amarobodi	





Qedelela igrafu yeenthombe ngokuthi ugwale inani leenthombe ekungilo lomhlobo ngamunye weendlalisi.

Isikhiya = 

Iindlalisi esinazo

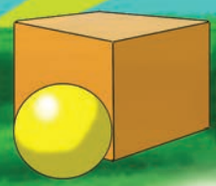
Abonodoli	Amatraga	Amabhere	Amarobodi

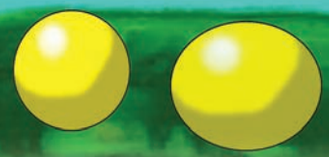
Phendula imibuzo elandelako. Qalisisa igrafu yeenthombe izokusiza.

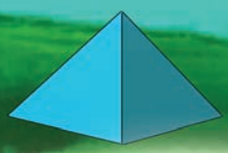
Bangaki abentwana abanonodoli?	
Bangaki abentwana abanetraga?	
Bangaki abentwana abanebhere?	
Bangaki abentwana abanerobodi?	
Ngisiphi isidlalisi esithandwa khulu?	
Ngisiphi isidlalisi esingathendeki khulu?	

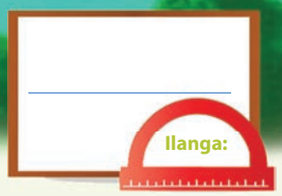
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20





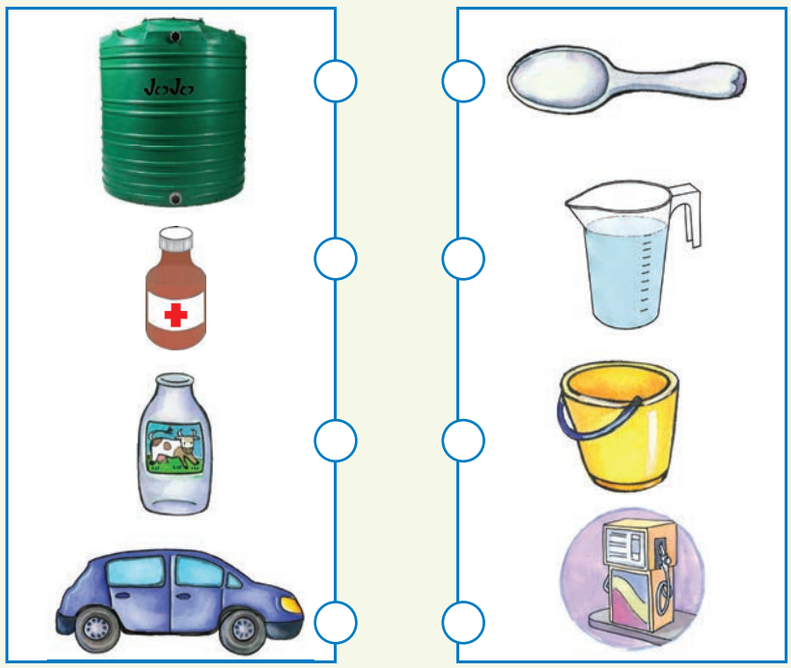




Umthamo

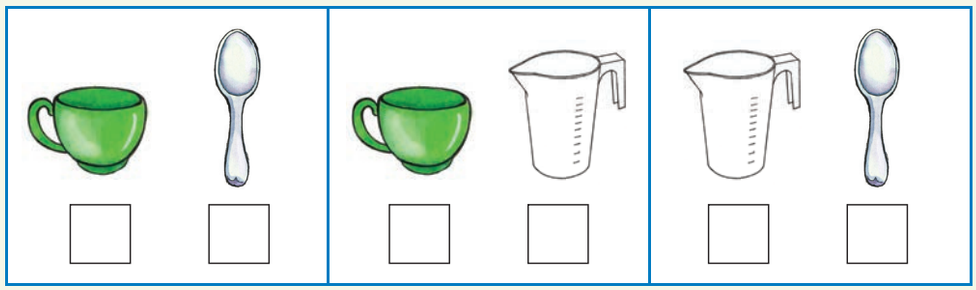


Itlelezi silimeda njani? Gwala umuda ukumadanisa into enesisetjenziswa sokumeda ekungiso.



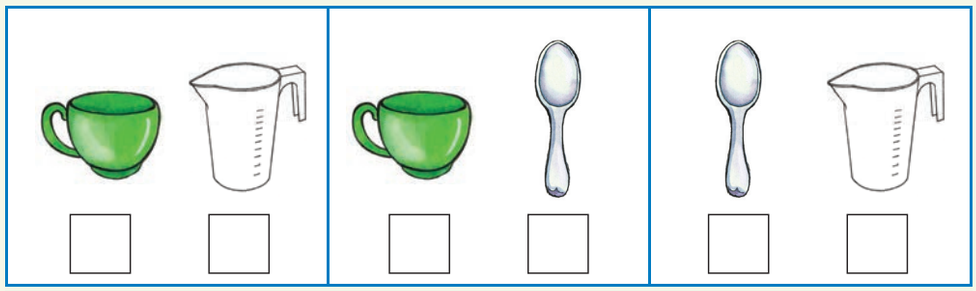


Thika isimumathi esizokuba nokuncani.



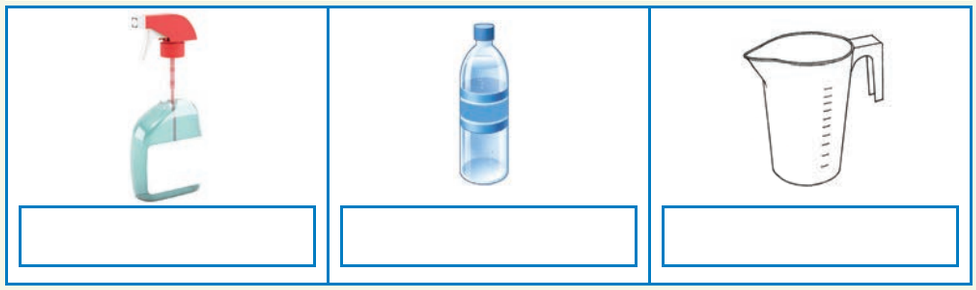


Thika isimumathi esizokuba nokunengi.





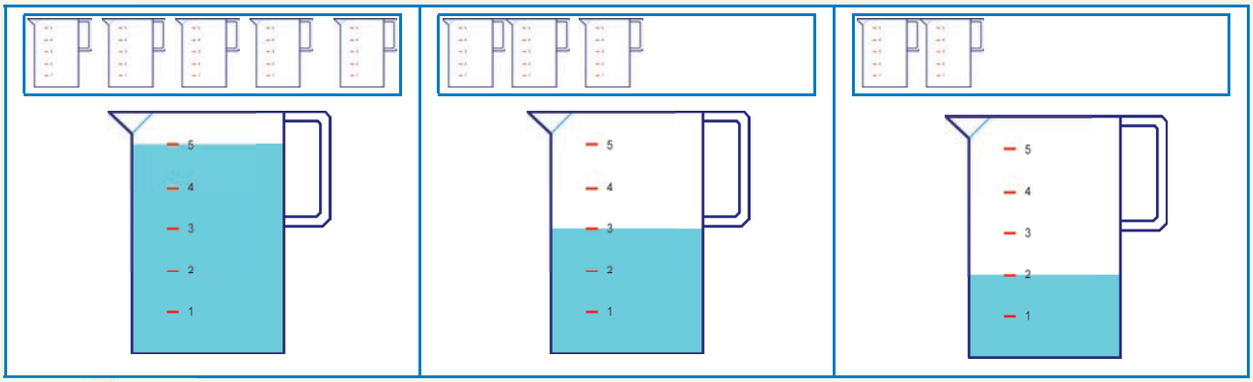
Ingabe iimumathi zizele nanyana azinalitho?





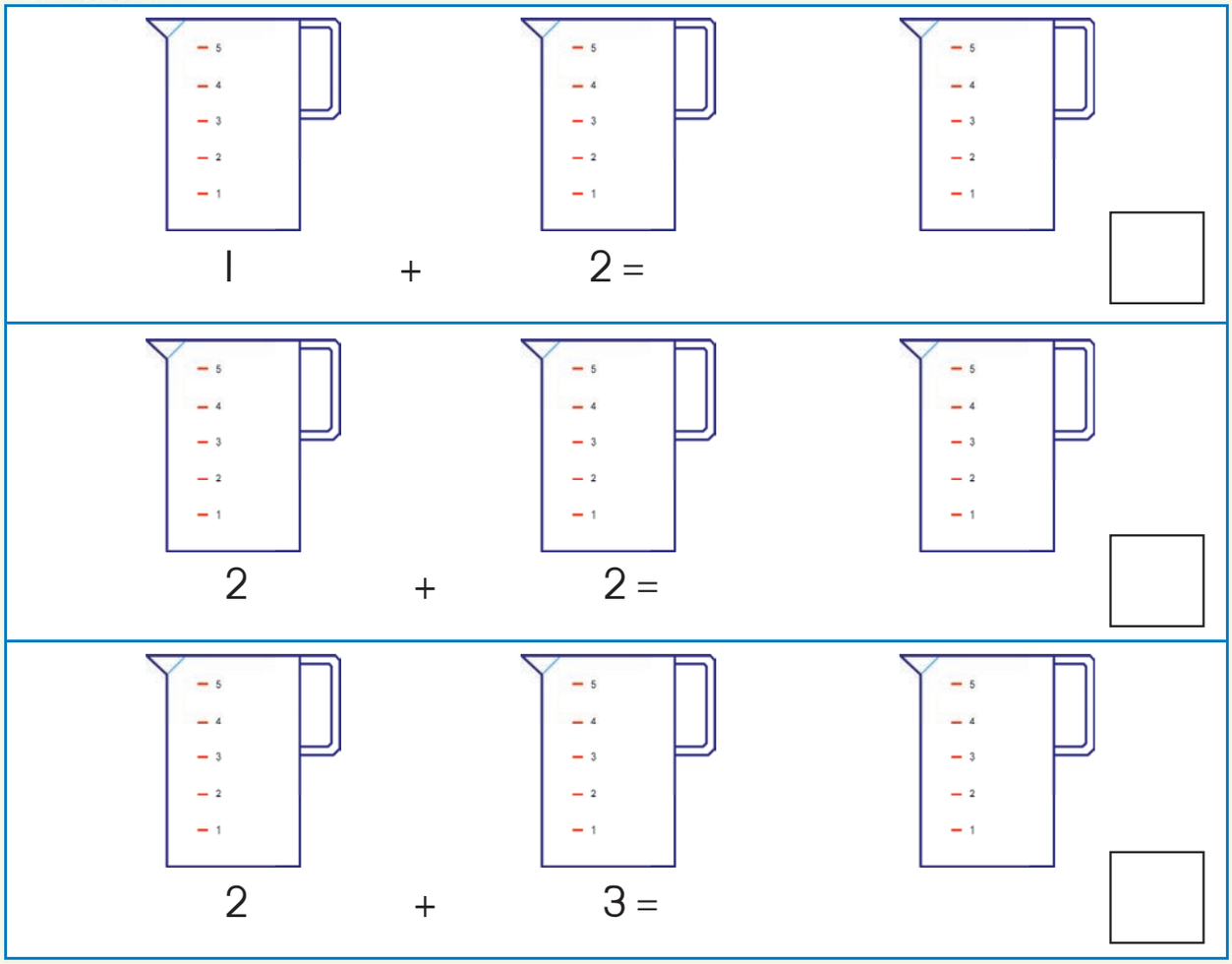


5 Utlhoga amakopi amahlanu ukuzalisa ijege. Uzokutlhoga amanye amakopi amangaki ukuzalisa amanye amajege amabili? Gwala amakopi lawo.





Khalara inani elinembako lamanzi.



1 + 2 =

2 + 2 =

2 + 3 =

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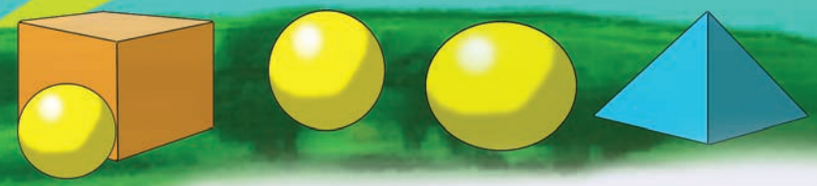
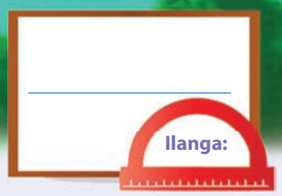
Date:



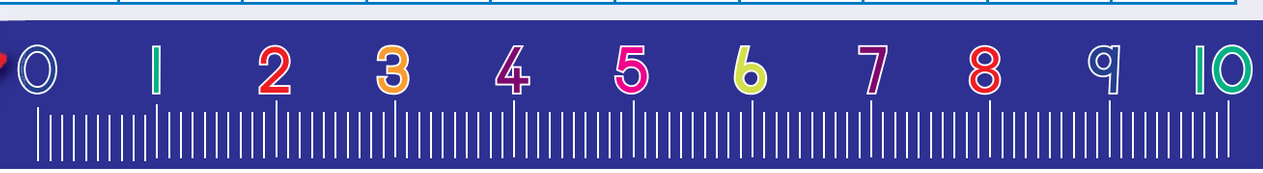


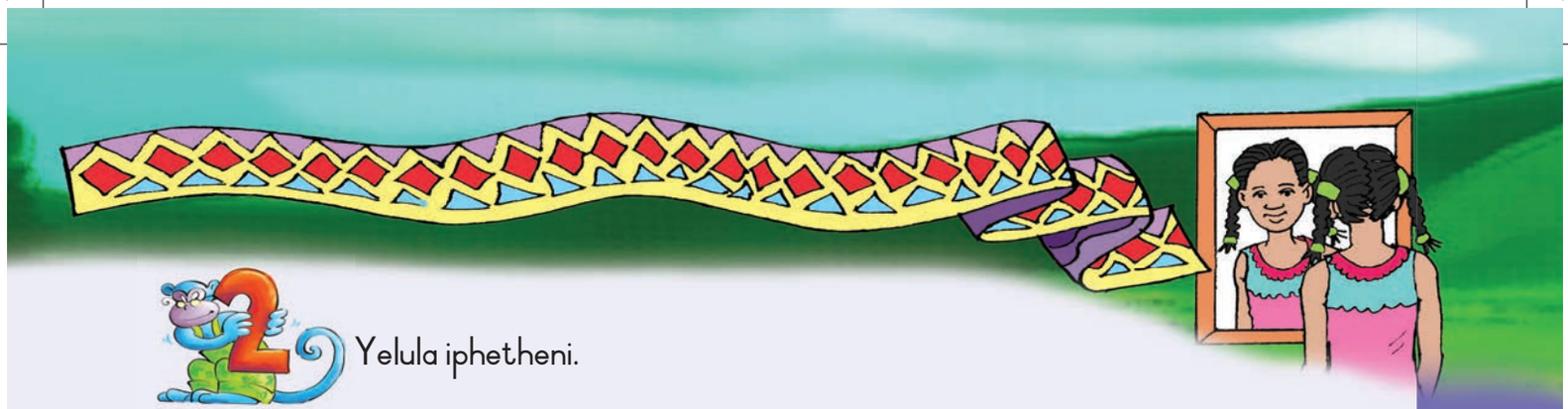
Amaphetheni wejiyomethri



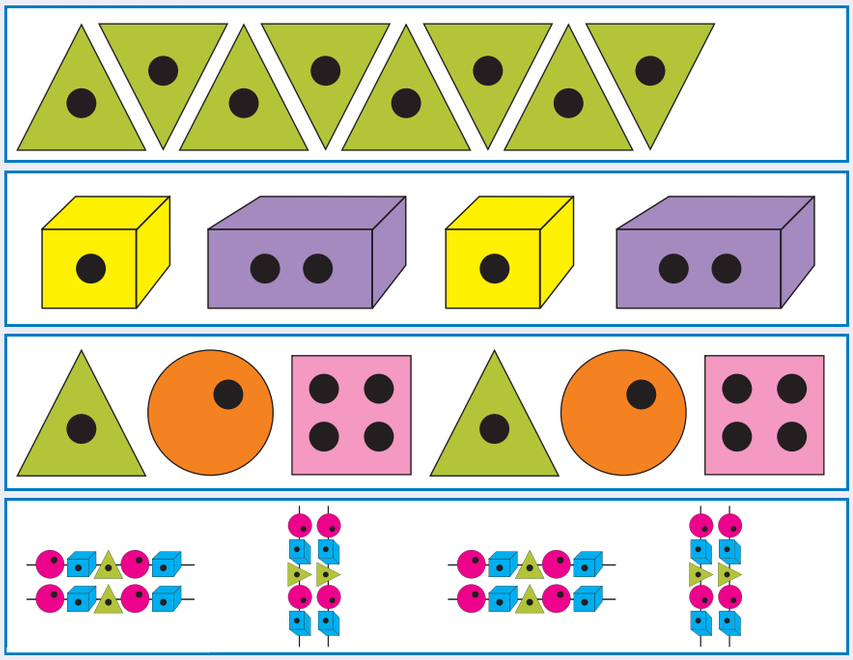
Qedelela amaphetheni.

▲	▲	●	▲	▲	●						
▼	▼	■	■					▼	▼	■	■
▼	▼	●	●	▼	▼	●	●				
▲	▲			▲	▲	■	■			■	■
A	B	C	D	A	B	C	D				
A	B	B	A	B	B		B	B	A		
A	B	C	A	B	C				A	B	C
A	D	A	D	A	D			A	D		
●	●	●	●		●	●	●	●	■		



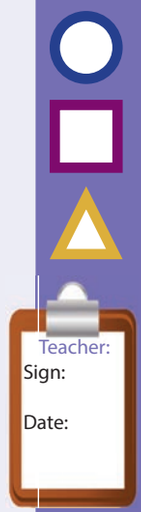


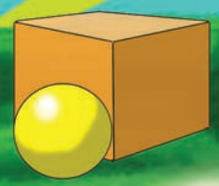
Yelula iphetheni.

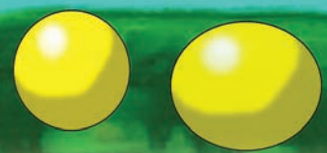


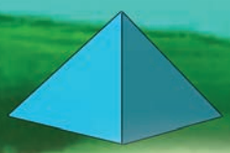


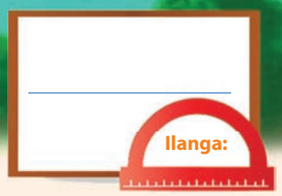
Zenzele wakho amaphetheni usebenzise iiyingi, iinkwere naboncantathu.







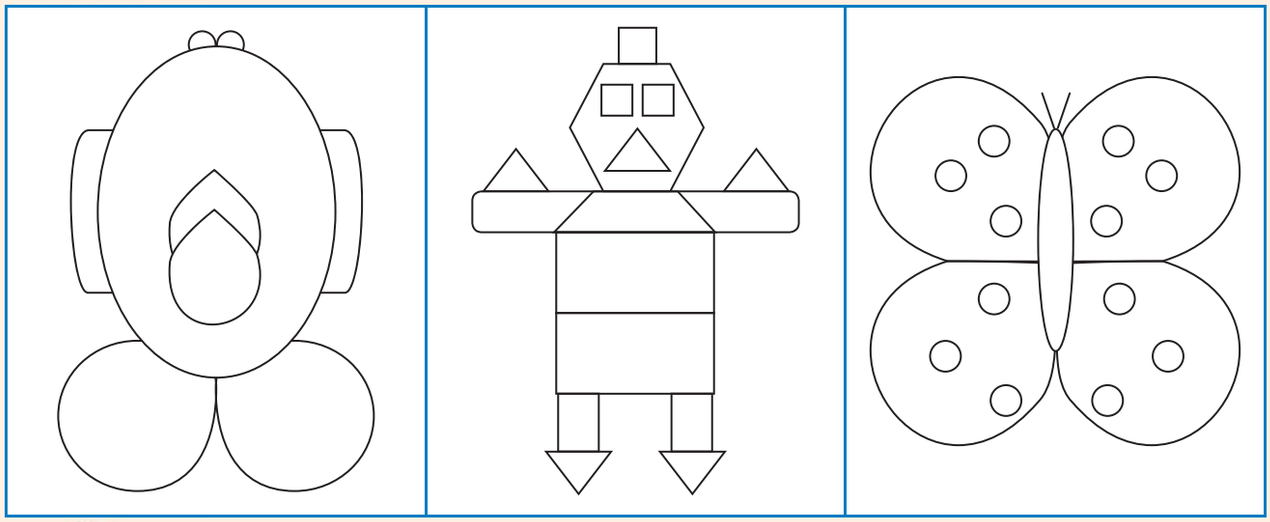




Isimethri/Ukubandeka-bulingana

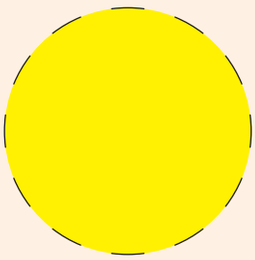


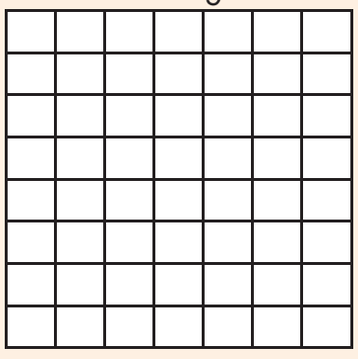
Gwala umuda ozokwehlukanisa isithombe sibe neengcenye ezimbili ezilinganako. Khalara ihafu eyodwa yesithombe ngasinye.



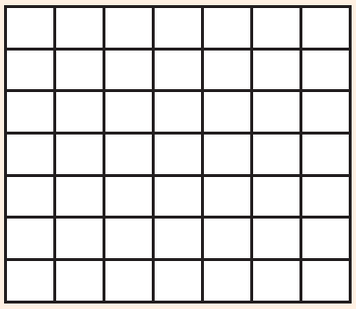


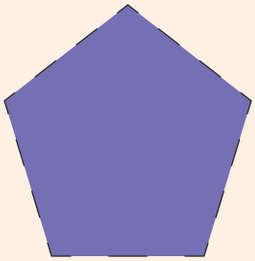
Kopulula amajamo alandelako bese ugwala umuda ozokutjengisa ukubandeka-bulingana.

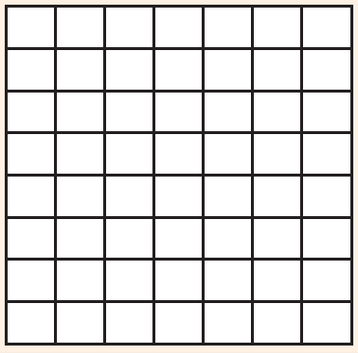


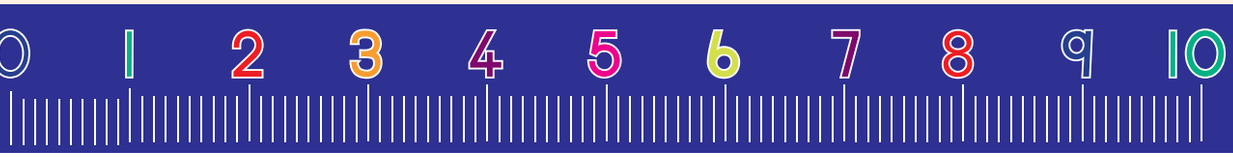






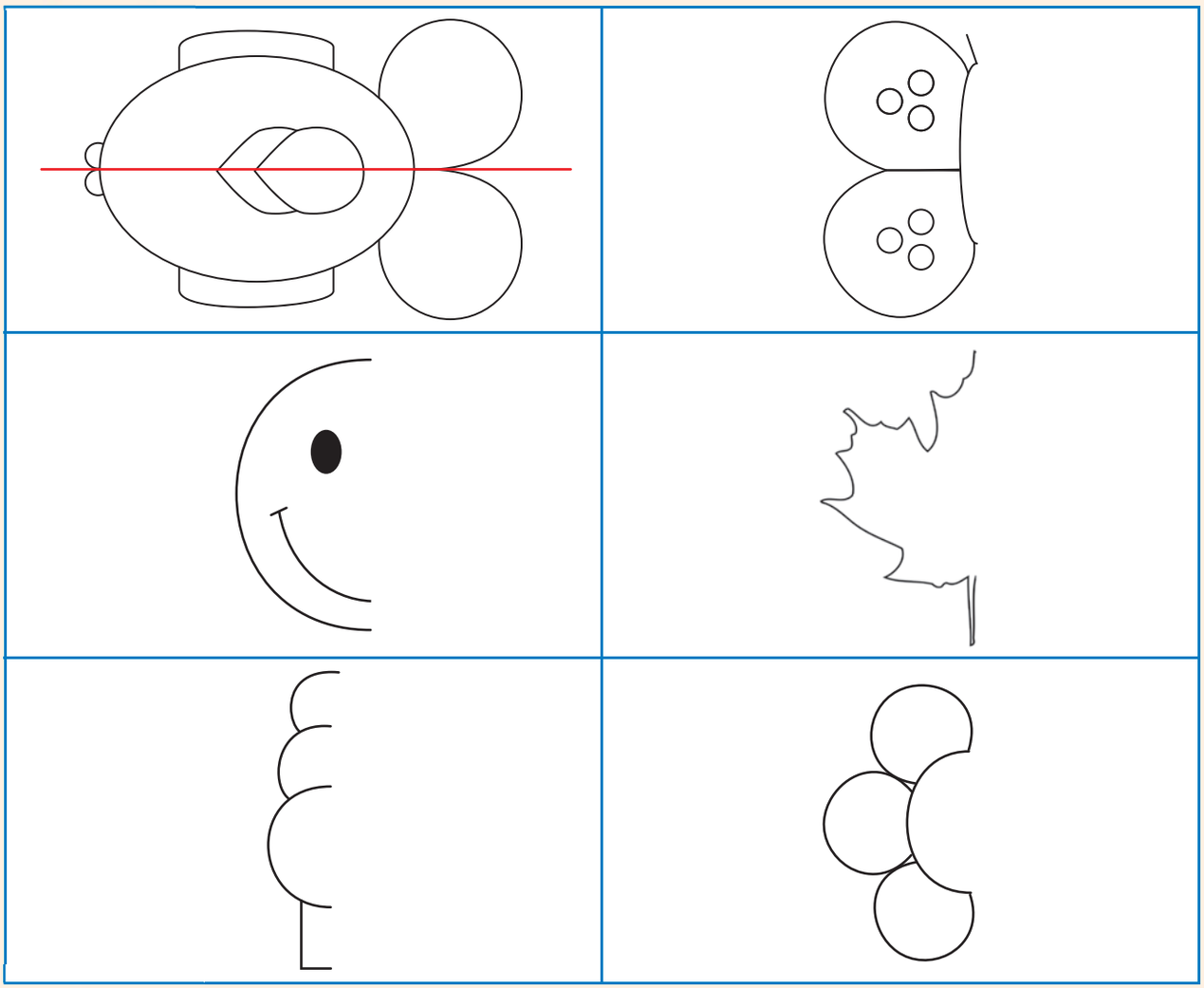




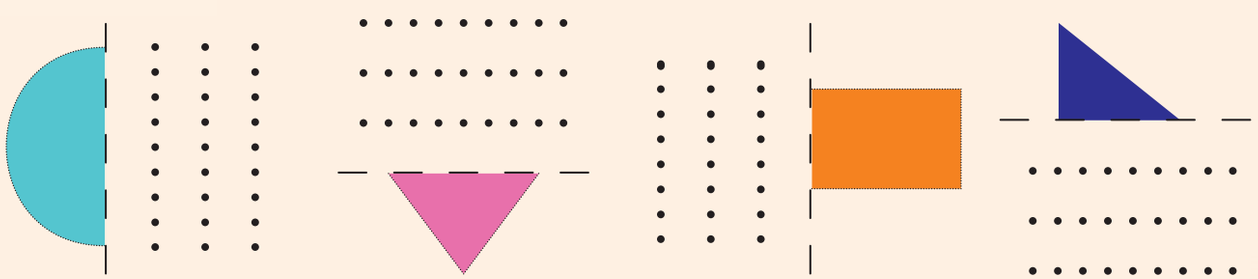




Qedelela isithombe ngokuthi ugwale enye ihafu efana patsi nale enikelweko.



Gwala enye ihafu yamajamo.



Teacher:
Sign:
Date:

Amanowuthi



Amanowuthi

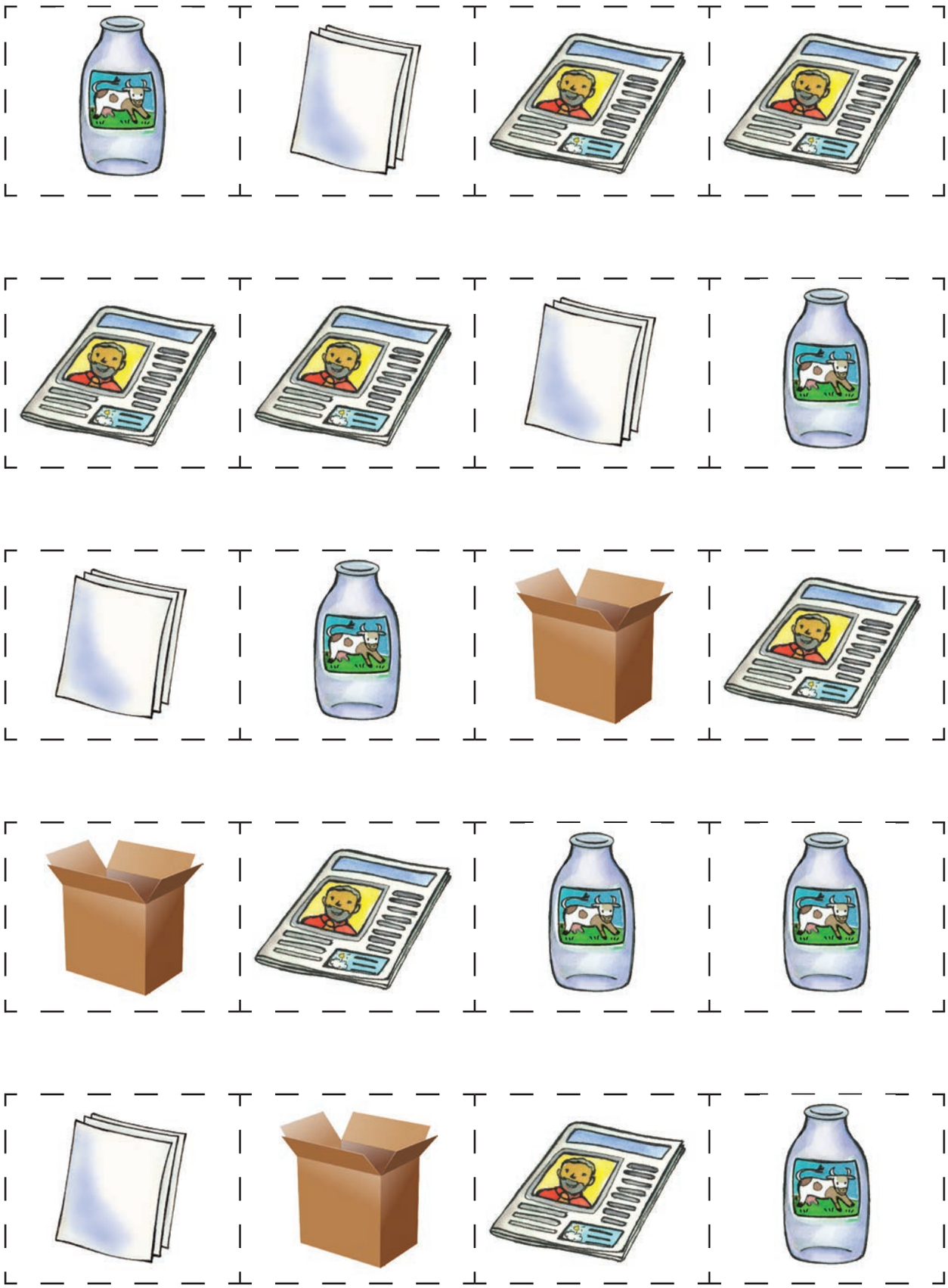


Amanowuthi



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