



Ikota 2 Term 2



**Bala
Wande**

Calculating with Confidence

IMathematika

Mathematics

INcwadi Yomfundi Yomsebenzi
Learner Activity Book

IsiXhosa English

Le ncwadi sisiqhamo sentsebenziswano phakathi kweqela elibizwa ngokuba yi *Bala Wande-Magic Classroom Collective team* kunye neqela lokuqinisekisa elenziwe ngabantu-ngabantu abakwiiyunivesithi eziliqela ezahlukeneyo, imibutho engalawulwa ngurhulumente (NGOs) esebenza ngemathematika kwakunye neSebe leMfundo esiSiseko. Ezi zixhobo zokufunda zithathela kwiincwadi zemisebenzi eziqulunqwe liSebe leMfundo esiSiseko nakuphindaphindo lwezicwangciso zezifundo (GPLMS, Jika iMfundo, NECT neTMU). Iibhokisi zezixhobo zokusebenza ngobuchule zeBala Wande zayilwa ngokucebisana nabakwaJade Education. Ezi bhokisi zinezixhobo zodidi oluphezulu eziyinxalenye ebalulekileyo yenkqubo yokufundisa nokufunda.

The development of this workbook was carried out by the collaborative *Bala Wande-Magic Classroom Collective team* in consultation with a reference team made up of individuals from several universities, mathematics NGOs and the Department of Basic Education. These materials draw on the DBE workbooks and existing iterations of lesson plans (GPLMS, Jika iMfundo, NECT and TMU). The Bala Wande manipulative boxes were designed in consultation with Jade Education. The boxes provide high quality materials which are an integral part of the teaching and learning programme.

Artist: Mary-Anne Hampton

www.fundawande.org

ISBN: 978-1-990910-35-7

Version 3: 2024



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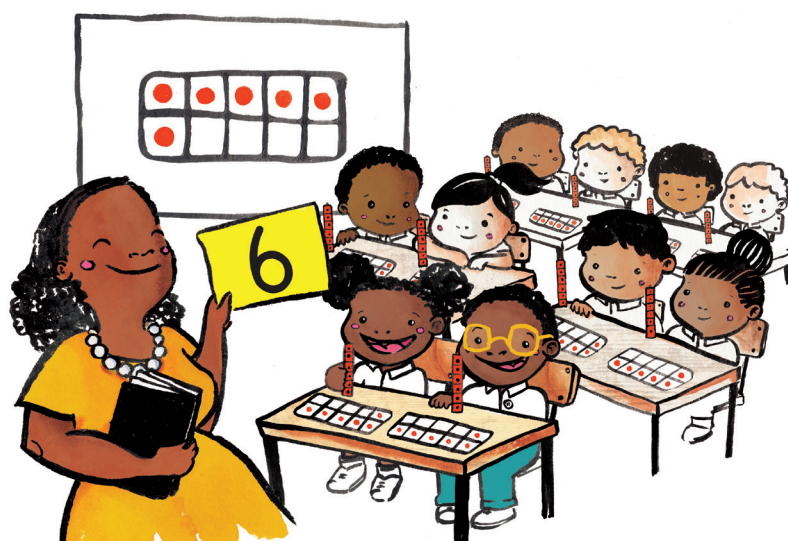
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Ukusebenzisa incwadi yemisebenzi yabafundi yeBala Wande

Le ncwadi yemisebenzi yabafundi inemisebenzi elungiselelwe iintsuku ezingama-50 zokufundisa kwikota yesi-2. Kukho imisebenzi yophuhliso lwengqiqo, imisebenzi yomfundi ngamnye kwakunye nemidlalo apho abafundi baya kudlala ngababini okanye ngokwamaqela. Iimpendulo zale misebenzi zingabhalwa kwakule ncwadi.

Imisebenzi ekule ncwadi ibhalwe ngeelwimi ezimbini. Siyathemba ukuba ukusebenzisa iilwimi ezimbini kuya kubanceda abafundi bafunde baze bawaqhele amagama emathematika ngolwimi lwabo lwasekhaya nangesiNgesi. Ukwenza njalo kuya kubaxhobisa bakulungele ukufunda imathematika ubomi babo bonke.

Ukuba abafundi bathi gqolo ukwenza imisebenzi yabo yonke imihla ngazo zonke iikota, baya kuyigqiba yonke ikharithyulam yemathematika yonyaka. Siyathemba ukuba le misebenzi ilapha iya kuba yindlela enoyolo yokubanceda ekufumaneni ulwazi lwemathematika olusisiseko.

Ukuqala kosuku ngalunye olutsha kuboniswe ngebhanile ebomvu.

IVEKI • WEEK
2

USUKU 1 • DAY 1
Ukutshatisa, ukuhlela nokubala ukuya ku-5
Matching, sorting and counting up to 5

Ngezantsi kwebhanile kukho iflowutshathi eshwankathela ukulandelelana kwemisebenzi yolo suku.



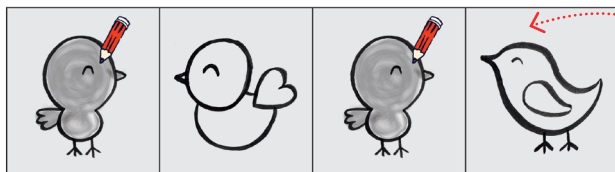
Izibalo zentloko ziya kuba ngumsebenzi wokuqala yonke imihla. Lo msebenzi uya kukhokelwa ngutitshala. Lo mdlalo ungawudlala nangoluphi na usuku lweveki.

Olu phawu lubonisa imisebenzi yophuhliso lwengqiqo neya kukhokelwa ngutitshala.



Onke amanye amaphepha asencwadini alungiselelwe abafundi ukuba basebenzele kuwo ngokunokwabo okanye ngokwamaqela kodwa bekhokelwa kwaye bencediswa ngutitshala. La maphepha ingangamaphepha okusebenzela okanye imidlalo eyenzelwe ukubethelela isigama esifundiswe ngolo suku. Imidlalo iboniswe ngokusebenzisa iikhathuni okanye oopopayi ukubonisa indlela omawudlalwe ngayo umdlalo.

1 Faka imibala kwimifanekiso emibini efanayo.
Colour two pictures that are the same.



Yonke imiyalelo neenkukacha zinikwe ngesiXhosa nangenguqulelo yesiNgesi ngezantsi.

Amaphepha emisebenzi yomfundi anemizekelo esele yenziwe (iboniswa ngombala ongwevu nangepenisile ebomvu).

Usuku lwesi-5 lweveki nganye lulungiselelwe uqukaniso novavanyo.

Using the Bala Wande Learner Activity Book

This Learner Activity Book has activities planned for 50 days of teaching in Term 2. There are concept development activities, individual learner activities and games for learners to play in pairs and groups. Answers to the activities can be written in this book.

The material is presented using a bilingual format. We hope that presenting the activities in two languages will help learners to become familiar with maths words in both their home language and in English. This will equip them for lifelong learning of maths.

If learners work systematically through these workbook-style activities every day and every term, they will cover the whole maths curriculum for the year. We hope that these activities will be a fun way to help them acquire foundational maths knowledge.

The start of each new day is shown with a red banner.

IVEKI • WEEK

2

USUKU 1 • DAY 1

Ukutshatisa, ukuhlela nokubala ukuya ku-5

Matching, sorting and counting up to 5



Underneath the banner is a flow diagram that summarises the sequence of activities for the day.



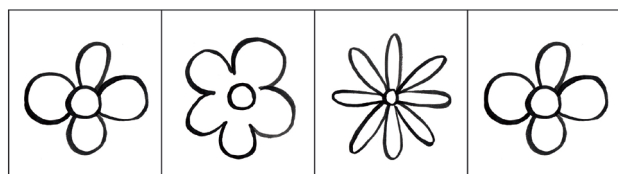
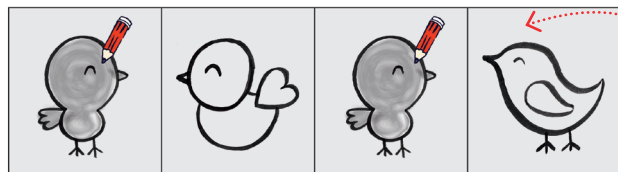
Mental Maths is the first activity every day. The teacher will lead this activity. You can play the game any day of the week.

This icon marks the concept development activity that the teacher will lead.



All the other pages in the book are for learners to work on independently or in groups with guidance and support from the teacher. They may be worksheets or games that will consolidate the concepts covered that day. Games are presented using cartoons of learners to show how the game should be played.

1 Faka imibala kwimifanekiso emibini efanayo.
Colour two pictures that are the same.



All instructions and information are given in isiXhosa with an English translation below.

Learner worksheets have a worked example (indicated by the grey background and the red pencil).

Day 5 of each week is planned for consolidation and assessment.



IZIBALO
ZENTLOKO
MENTAL MATHS

FIZZ POP - IIBHONDI
ZAMANANI UKUYA KU-10
FIZZ POP - BONDS UP TO 10

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

IPHEPHA
LOKUSEBENZELA
WORKSHEET

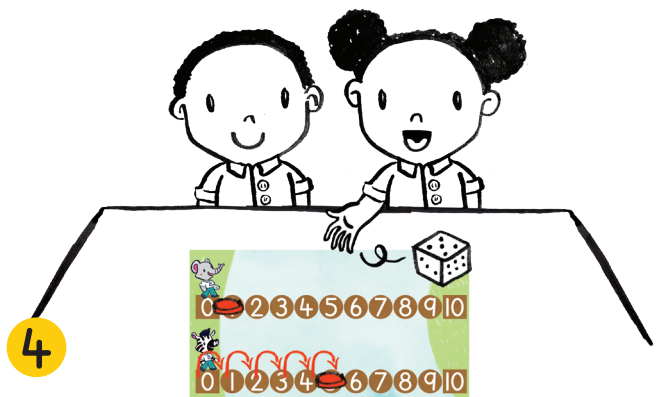
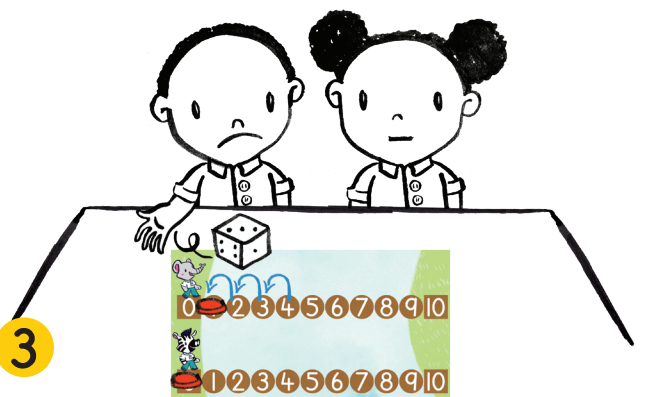
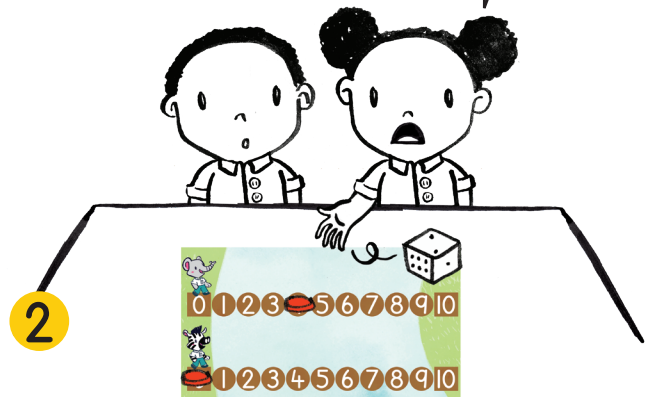
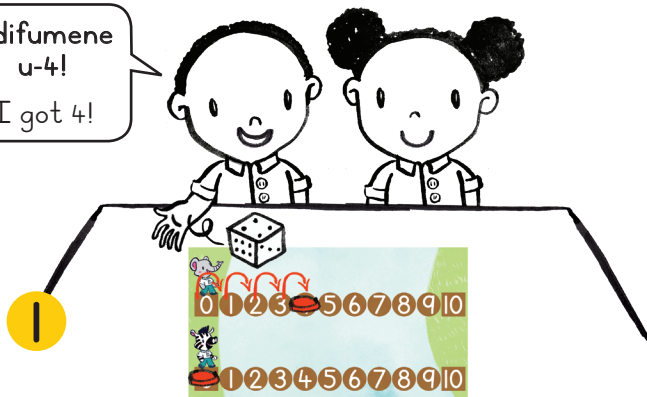
Umdlalo: Ukuleqana emlanjeni usiya phambili uphinde ubuye umva
Game: Chasing forwards and backwards across the river

Tshintshiselanani ngokuphosa idayisi. Ukuba uphosa u-4, 5 okanye u-6 yiya phambili amanyathelo akwangako. Ukuba uphose u-1, 2 okanye u-3 buya umva amanyathelo akwangako. Ukuba inani elivelileyo edayisini likusa emva ngaphaya kuka-0, awuhambi kwaye uyaphoswa ngumjikele.

Take turns to throw the dice. If you throw 4, 5 or 6 you go forward that many steps. If you throw 1, 2 or 3 you go back that many steps. If the number shown on the dice takes you back past 0 you don't move and you miss a turn.

Ndifumene
u-2 ngoko ke
andikwazi
ukuhamba!
I got 2 so I
can't move!

Ndifumene
u-4!
I got 4!



Umntu wokuqala ukudlula ku-10 nguye ophumelelayo.
First person to step over 10 wins.

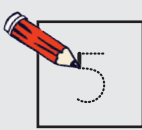
Yiya phambili uphinde ubuye umva kumgcamanani.

Move forwards and backwards on the number track.































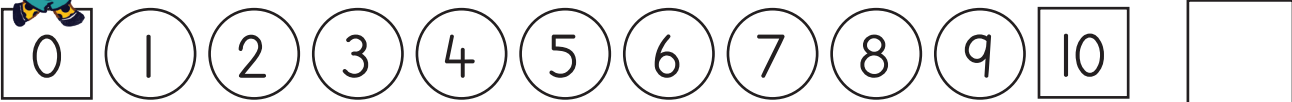










IZIBALO
ZENTLOKO
MENTAL MATHS

FIZZ POP - IIBHONDI
ZAMANANI UKUYA KU-10
FIZZ POP - BONDS UP TO 10

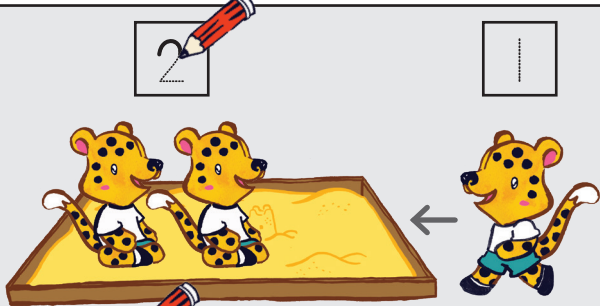
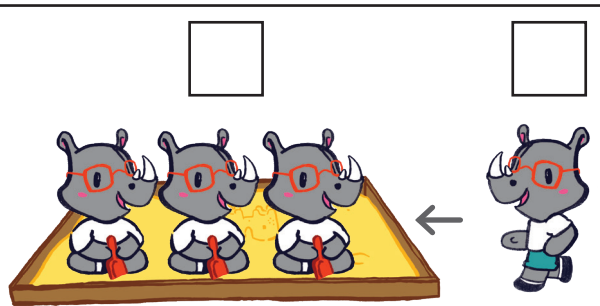
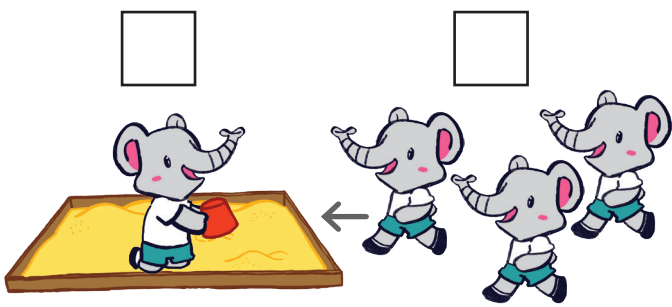
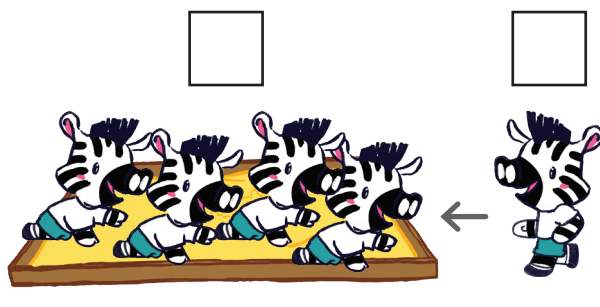
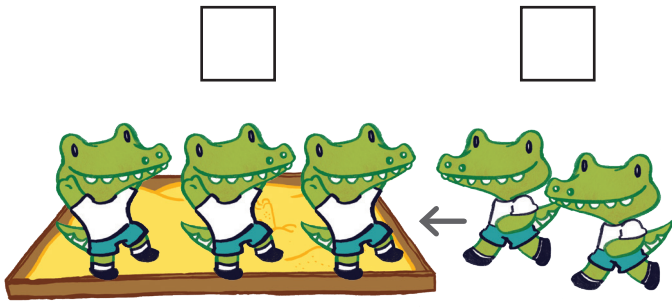
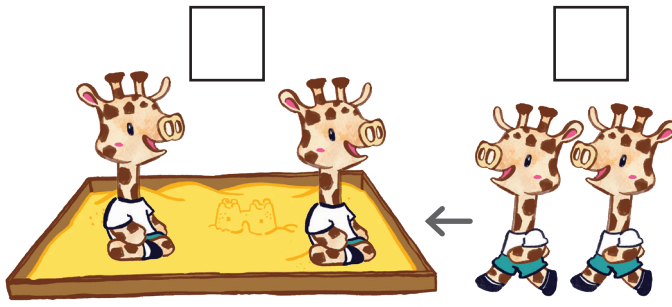
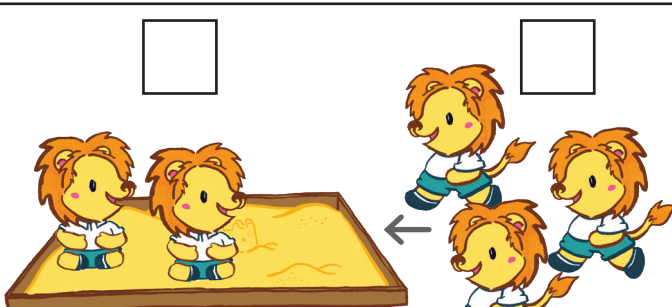
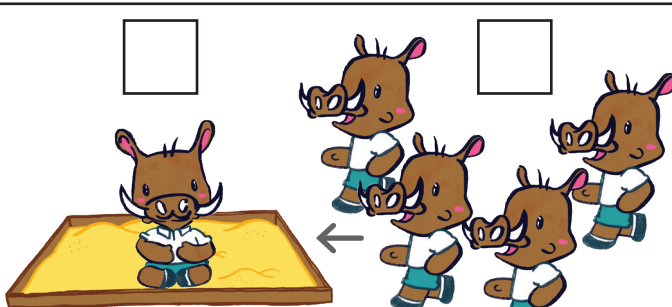
UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

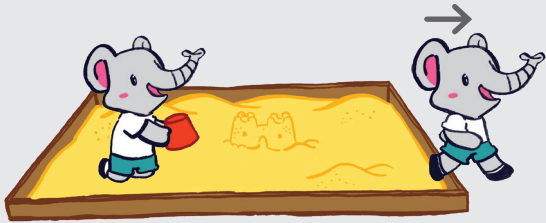
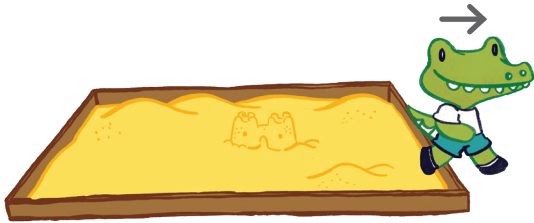
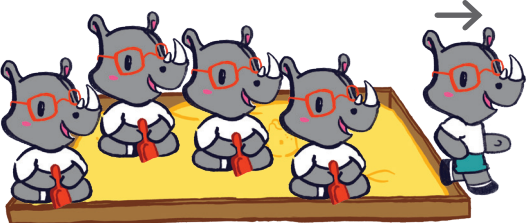
1 Zingaphi zizonke?

How many altogether?

 3 zidibene / altogether	 ___ zidibene / altogether
 ___ zidibene / altogether	 ___ zidibene / altogether
 ___ zidibene / altogether	 ___ zidibene / altogether
 ___ zidibene / altogether	 ___ zidibene / altogether

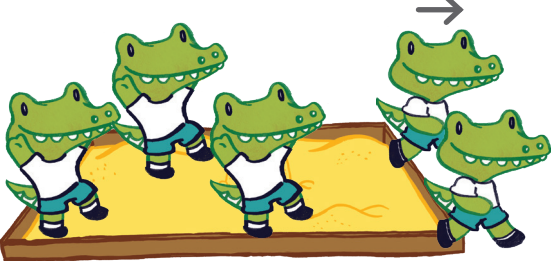
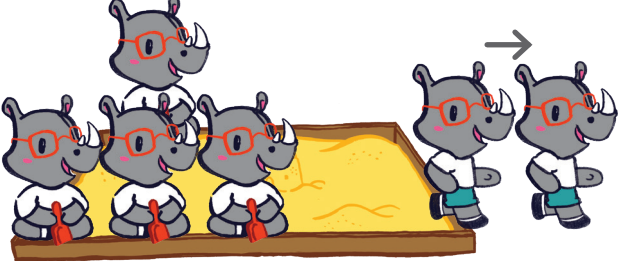
2 Kuphuma umhlobo omnye. Bangaphi abashiyekelelo?

One friend gets out. How many remain?

  ____ oshiyekelelo/remains	 ____ oshiyekelelo/remain
 ____ oshiyekelelo/remain	 ____ oshiyekelelo/remain
 ____ oshiyekelelo/remain	 ____ oshiyekelelo/remain

3 Kuphuma abahlobo ababini. Bangaphi abashiyekelelo?

Two friends get out. How many remain?

 ____ oshiyekelelo/remain	 ____ oshiyekelelo/remain
---	--

Zingaphi zidibene? How many altogether?



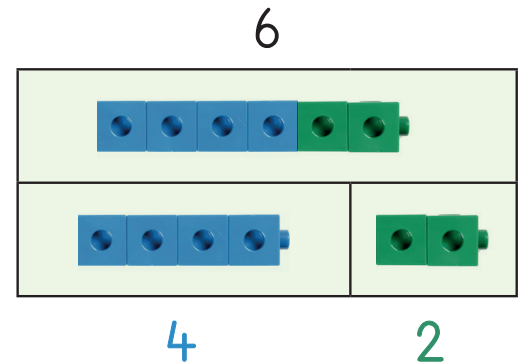
IZIBALO
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MENTAL MATHS

FIZZ POP - IIBHONDI
ZAMANANI UKUYA KU-10
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WORKSHEETS



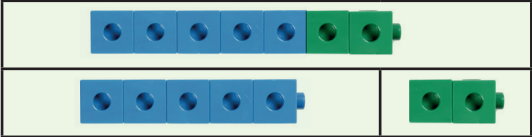
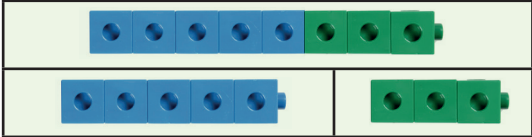
6

4 2

$$4 + 2 = 6$$

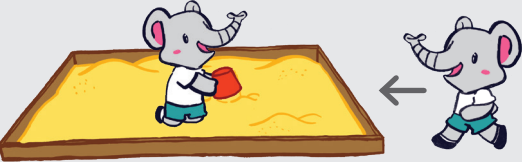
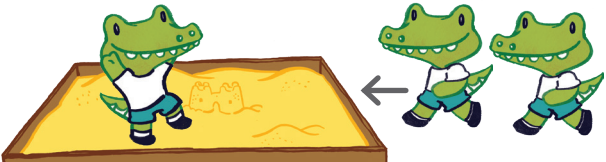
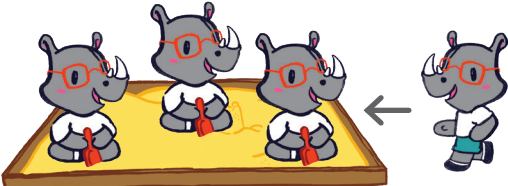
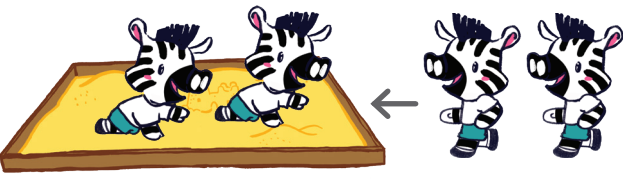
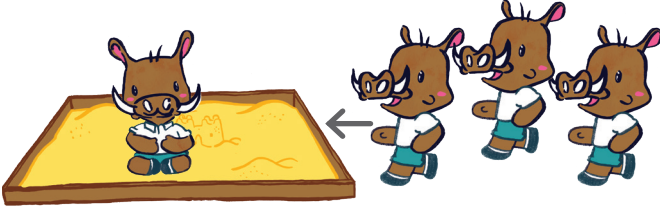
1 Gqibezela isivakalisi manani sokudibanisa.
Complete the addition number sentence.

$2 + 3 = 5$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$\underline{\quad} + \underline{\quad} = \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$

 + =	 + =
--	---

2 Bangaphi abafundi bedibene? Bhala isivakalisi manani sokudibanisa.

How many learners are there altogether? Write the addition number sentence.

 2 1 + =	 + =
 + =	 + =
 + =	 + =

Izivakalisi manani zokudibanisa

Addition number sentences

IZIBALO
ZENTLOKO
MENTAL MATHS

FIZZ POP - IIBHONDI
ZAMANANI UKUYA KU-10
FIZZ POP - BONDS UP TO 10

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

I Bhala isivakalisi manani ukuze udibanise amachokoza abomvu nablou.

Write the number sentence to add the red and blue dots.

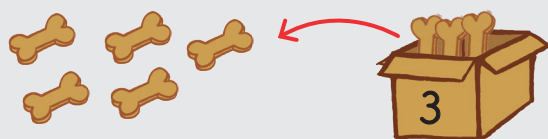
	abomvu red ablowu blue + =
	+ =
	+ =
	+ =
	+ =
	+ =
	+ =
	+ =

2 Zingaphi iibhiskithi zidibene? Bhala isivakalisi manani.

How many biscuits altogether? Write the number sentence.

Kukho iibhiskithi ezi-3 ebhokisini. Zingaphi iibhiskithi zidibene?

There are 3 biscuits in the box. How many biscuits altogether?



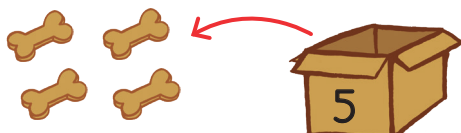
$$\underline{5} + \underline{3} = \underline{8}$$



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

Kukho iibhiskithi ezi-5 ebhokisini. Zingaphi iibhiskithi zidibene?

There are 5 biscuits in the box. How many biscuits altogether?



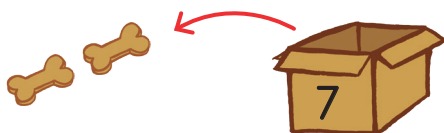
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



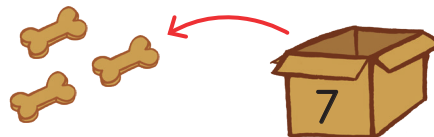
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

Kukho iibhiskithi ezisi-7 ebhokisini. Zingaphi iibhiskithi zidibene?

There are 7 biscuits in the box. How many biscuits altogether?



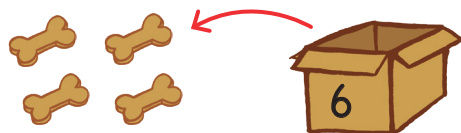
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

Kukho iibhiskithi ezi-6 ebhokisini. Zingaphi iibhiskithi zidibene?

There are 6 biscuits in the box. How many biscuits altogether?



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

1 Yiya phambili uze ubuye umva kumzila wamanani.

Move forwards and backwards on the number track.

4 1

5 4

3 9

2 Bhala phantsi ukuba zingaphi ezikhoyo.

Write how many there are.

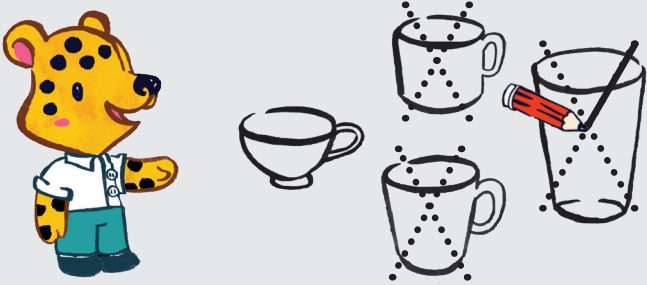
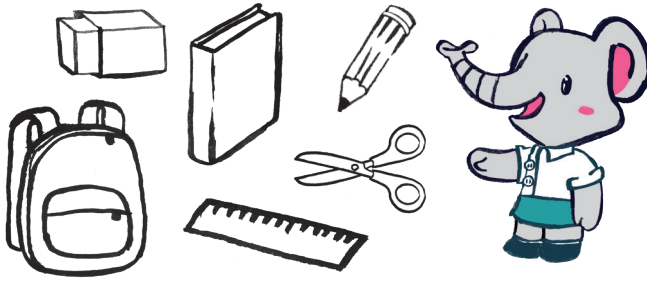
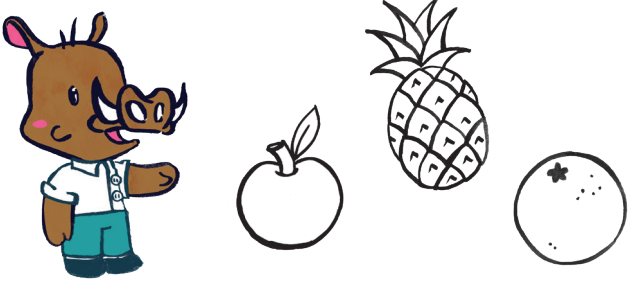
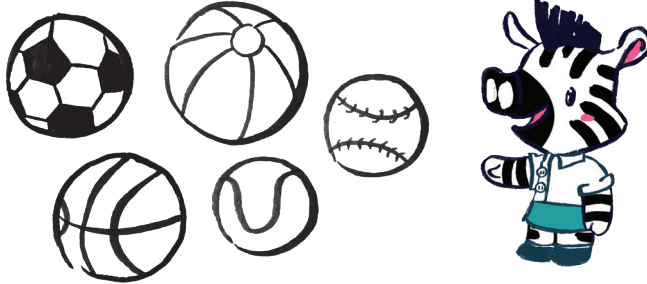
3

_____ zidibene /altogether

_____ zidibene /altogether

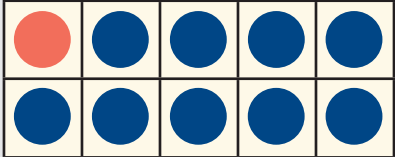
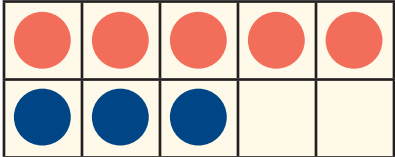
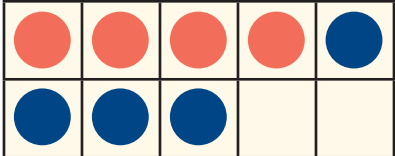
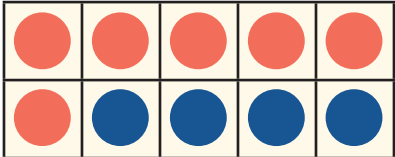
3 Ndithatha ezi-3. Kushiyeka ezingaphi?

I take 3. How many remain?

 ___ oshiyekileyo/remains	 ___ oshiyekileyo/remain
 ___ oshiyekileyo/remain	 ___ oshiyekileyo/remain

4 Bhala isivakalisi manani ukuze udibanise amachokoza abomvu nablou.

Write the number sentence to add the red and blue dots.

	abomvu red ablowu blue  $+$  $=$ 
	 $+$  $=$ 
	 $+$  $=$ 
	 $+$  $=$ 



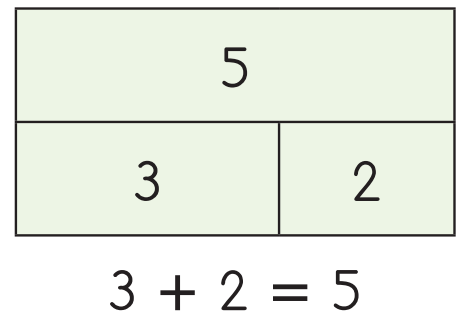
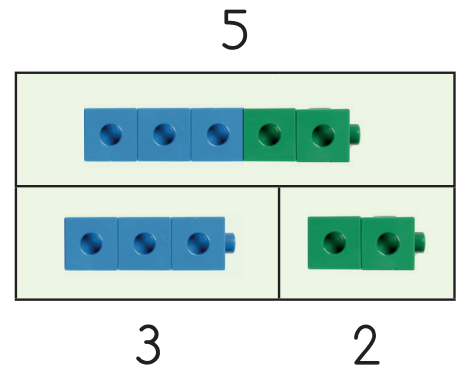
IZIBALO
ZENTLOKO
MENTAL MATHS

123 VEZA - INGAPHEZULU KUNE-;
INGAPHANTSI KUNE-
123 SHOW - MORE THAN AND LESS THAN

UPHUHLISO
LWENGOQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

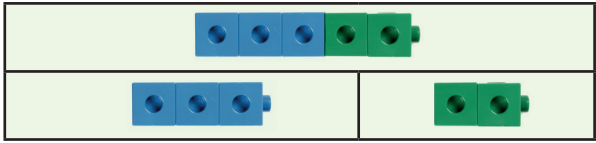
AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

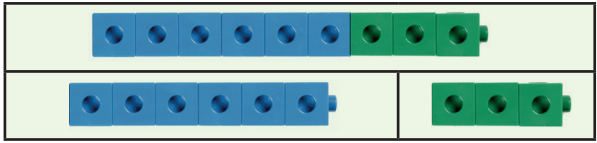


1 Gqibezela isivakalisi manani sokudibanisa.

Complete the addition number sentence.

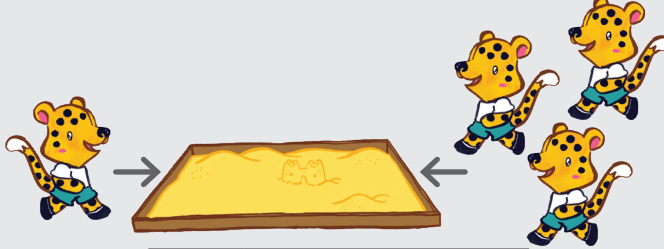
$6 + 4 = 10$	___ + ___ = ___
___ + ___ = ___	___ + ___ = ___


____ + ____ = ____


____ + ____ = ____

2 Zingaphi zizonke?

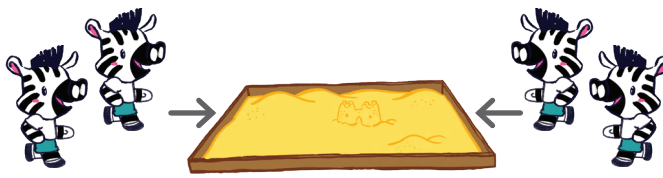
How many altogether?



4	
	3

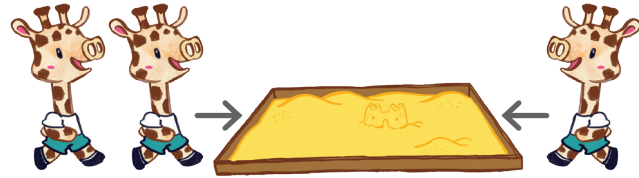
+

=



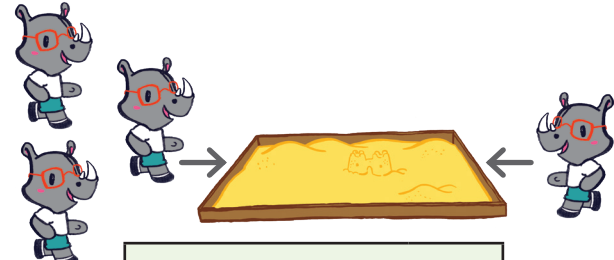
+

=



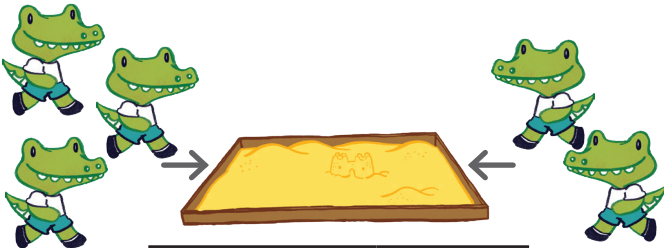
+

=



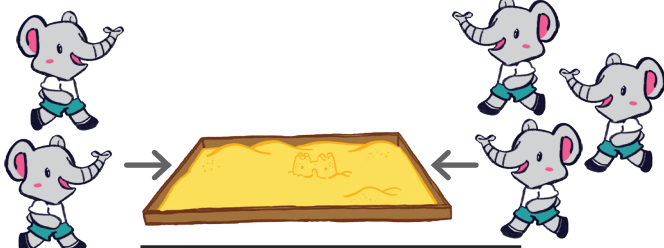
+

=



+

=



+

=

Sebenzisa izivakalisi manani ukuze ubonise ukudibanisa Using number sentences to show addition (combine)

IZIBALO
ZENTLOKO
MENTAL MATHS

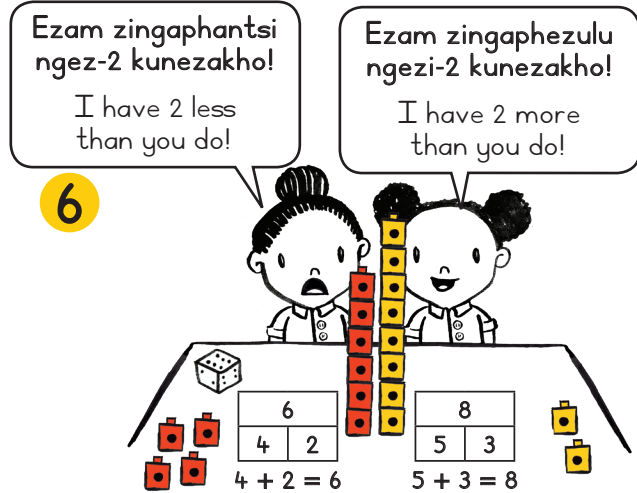
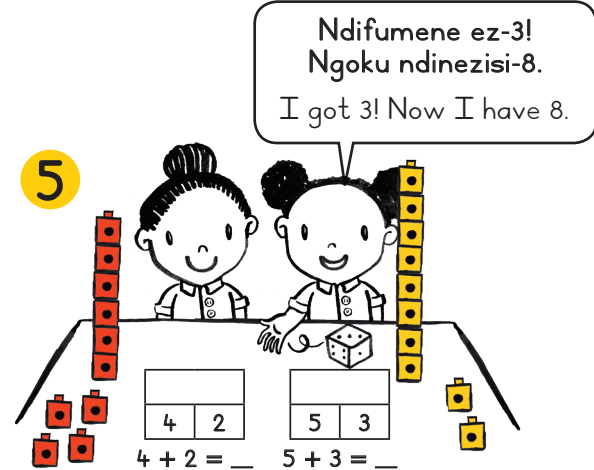
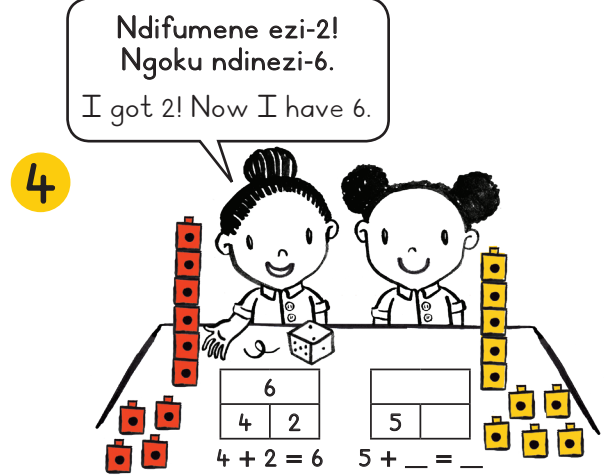
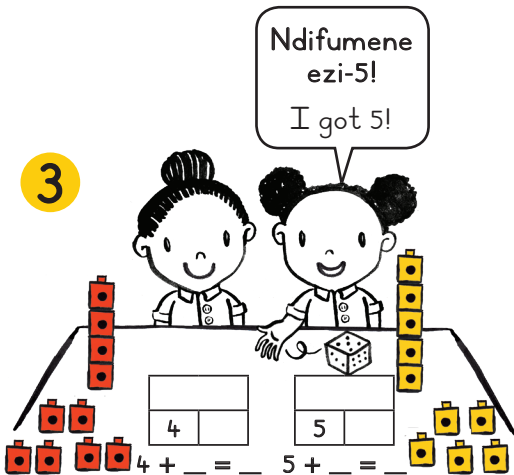
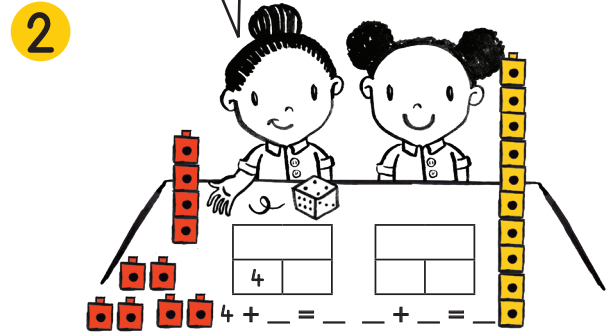
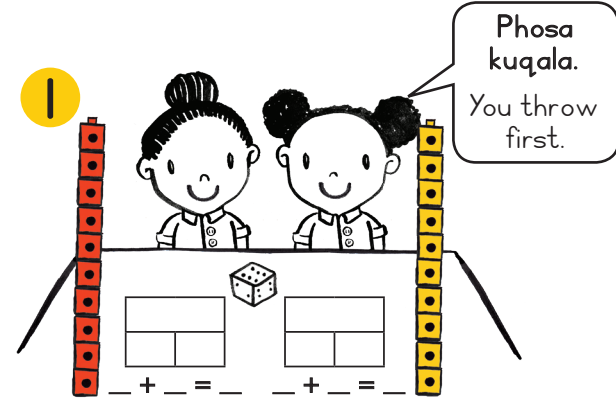
123 VEZA - INGAPHEZULU KUNE-;
INGAPHANTSI KUNE-
123 SHOW - MORE THAN AND LESS THAN

UPHUHLISO
LWENGOQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

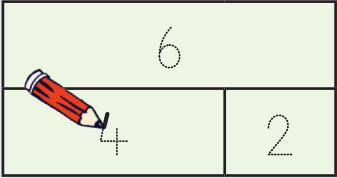
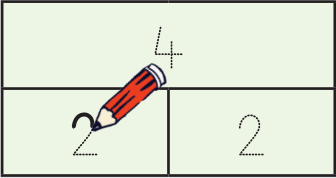
AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

Umdlalo: Ukwenza zibe ninzi ngeebloko Game: Making more with blocks



Dlalani kwakhona. Zalisani iithegibhile nize nibhale izivakalisi manani ngexesha ngalinye.

Play again. Fill in the tables and write the number sentences every time.

		Xoxa. Discuss.
  $4 + 2 = 6$	  $2 + 2 = 4$	 $\frac{6}{}$ kakhulu kuna more than  $\frac{4}{}$ kancinci kuna less than
 $_ + _ = _$	 $_ + _ = _$	 $_$  $_$
 $_ + _ = _$	 $_ + _ = _$	 $_$  $_$

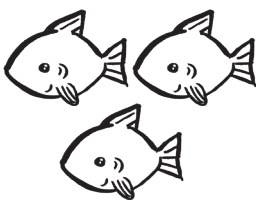
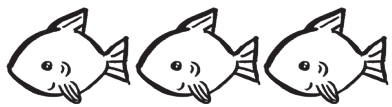
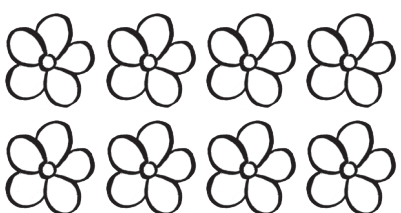
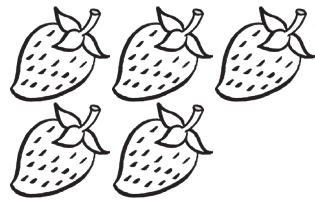
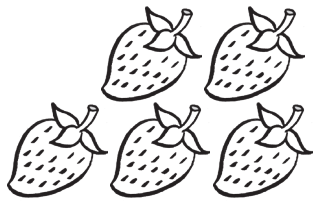
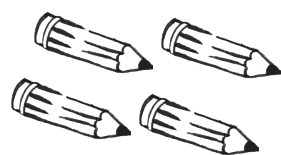
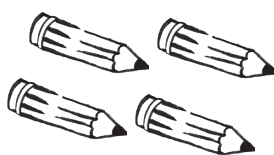
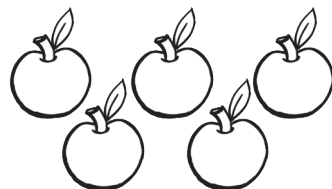
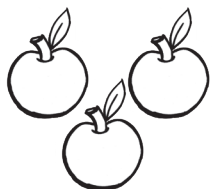
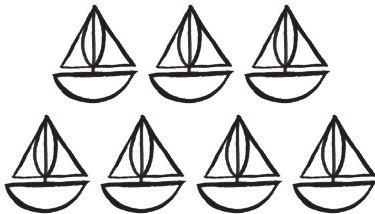
I Fakela amanani ashinyiweyo.

Fill in the missing numbers.

4 2 2 2 + 2 = 4	3 2 ___ + 2 = 3
5 4 ___ + 4 = 5	2 3 2 + 3 = ___
6 1 ___ + 1 = 6	7 4 ___ + 4 = 7
UAndile uneelekese ezi-3. UBusi uneelekese ezi-2. Baneelekese ezi-5 zidibene. Andile has 3 sweets. Busi has 2 sweets. They have 5 sweets altogether. 	Umnakwethu unama-apile ama-3. Ndineebhanana ezi-___. Sinama-apile ama-3 edibene. My brother has 3 apples. I have ___ apples. We have 3 apples altogether. 

2 Dibanisa.

Add.

 	
 	___ + ___ = ___
 	___ + ___ = ___
 	___ + ___ = ___
 	___ + ___ = ___
 	___ + ___ = ___
 	___ + ___ = ___
 	___ + ___ = ___

Ukudibanisa (thelekisa)

Addition (compare)

IZIBALO
ZENTLOKO
MENTAL MATHS

123 VEZA - INGAPHEZULU KUNE-;
INGAPHANTSI KUNE-
123 SHOW - MORE THAN AND LESS THAN

UPHULISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1

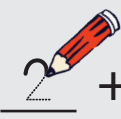
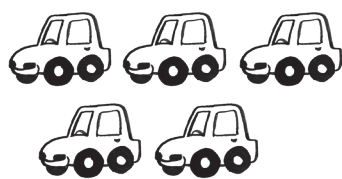
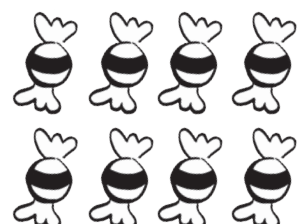
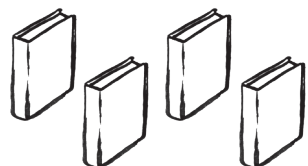
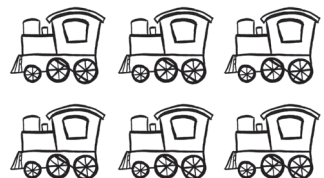
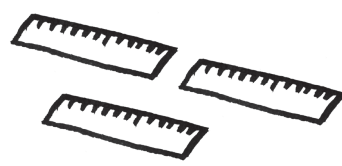
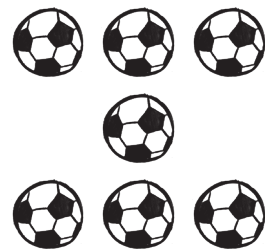
	zoba draw	bhala write
 unezi-2 has 2		
 unezi-3 ngaphezulu has 3 more		

	zoba draw	bhala write
 unezi-3 has 3		_____
 unezi-5 ngaphezulu has 5 more		_____ + _____ = _____

	zoba draw	bhala write
 unezi-6 has 6		_____
 unezi-2 ngaphezulu has 2 more		_____ + _____ = _____

2 Fakela amanani ashinyiweyo.

Fill in the missing numbers.

UMelo una- Melo has		UYeyesa una- Yeyesa has	
	 3 ngaphezulu 3 more	 + 3 = 5	
	_____	2 ngaphezulu 2 more	_____ + _____ = _____
	_____	1 ngaphezulu 1 more	_____ + _____ = _____
	_____	5 ngaphezulu 5 more	_____ + _____ = _____
	_____	2 ngaphezulu 2 more	_____ + _____ = _____
	_____	6 ngaphezulu 6 more	_____ + _____ = _____
	_____	1 ngaphezulu 1 more	_____ + _____ = _____

Sebenzisa izivakalisi manani ukuze ubonise ukudibanisa
Using number sentences to show addition

IZIBALO
ZENTLOKO
MENTAL MATHS

123 VEZA - INGAPHEZULU KUNE-;
INGAPHANTSI KUNE-
123 SHOW - MORE THAN AND LESS THAN

UPHUHLISO
LWENGQIQQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Zingaphi iibloko zika ?

How many blocks does have?

 unezi-2 ngaphezulu. has 2 more.      $\underline{8} + \underline{2} = \underline{10}$	 unezi-4 ngaphezulu. has 4 more.     $\underline{\quad} + \underline{\quad} = \underline{\quad}$
 unezi-3 ngaphezulu. has 3 more.     $\underline{\quad} + \underline{\quad} = \underline{\quad}$	 unezi-5 ngaphezulu. has 5 more.     $\underline{\quad} + \underline{\quad} = \underline{\quad}$
 une-1 ngaphezulu. has 1 more.     $\underline{\quad} + \underline{\quad} = \underline{\quad}$	 unezi-3 ngaphezulu. has 3 more.     $\underline{\quad} + \underline{\quad} = \underline{\quad}$

2 Dibanisa.

Add.

$2 + 1 = \underline{\quad}$	$6 + 3 = \underline{\quad}$
$4 + 4 = \underline{\quad}$	$5 + 2 = \underline{\quad}$
$3 + 4 = \underline{\quad}$	$7 + 2 = \underline{\quad}$
$8 + 1 = \underline{\quad}$	$6 + 2 = \underline{\quad}$

3 Dibanisa.

Add.

$1 + 1 = \underline{\quad}$

$2 + 0 = \underline{\quad}$

$3 + 0 = \underline{\quad}$

$1 + 0 = \underline{\quad}$

$2 + 1 = \underline{\quad}$

$3 + 1 = \underline{\quad}$

$1 + 2 = \underline{\quad}$

$2 + 3 = \underline{\quad}$

$3 + 2 = \underline{\quad}$

$1 + 3 = \underline{\quad}$

$0 + 2 = \underline{\quad}$

$4 + 1 = \underline{\quad}$

$1 + 4 = \underline{\quad}$

$0 + 3 = \underline{\quad}$

$4 + 0 = \underline{\quad}$

1 Fakela amanani ashinyweyo.

Fill in the missing numbers.

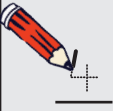
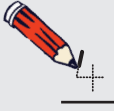
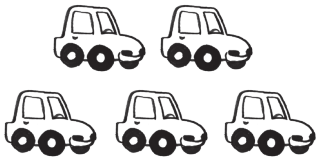
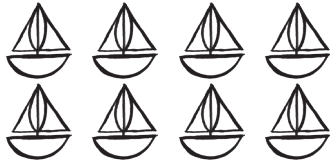
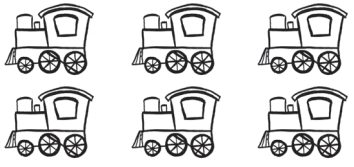
4 2 $4 + 2 = \underline{\quad}$	3 2 $\underline{\quad} + 2 = 3$
5 3 $3 + \underline{\quad} = 5$	7 3 $\underline{\quad} + 3 = 7$
3 3 $3 + 3 = \underline{\quad}$	4 1 $1 + \underline{\quad} = 4$

2 UBuhle uneemoto zokudlala ezi-4.
Uthuto uneemoto zokudlala ezi-____.
Baneemoto zokudlala ezisi-7 bedibene.
Buhle has 4 toy cars.
Thuto has ____ toy cars.
They have 7 toy cars altogether.

Udade wethu uneelekese ezi-5.
Ndineelekese ezi-____.
Sineelekese ezi-5 sisobabini.
My sister has 5 sweets.
I have ____ sweets.
We have 5 sweets altogether.

3 Fakela amanani ashinyiweyo.

Fill in the missing numbers.

UBokanga una- Bokang has		UNwabisa una- Nwabisa has	
		2 ngaphezulu 2 more	 4 + 2 = 6
	_____	1 ngaphezulu 1 more	_____ + _____ = _____
	_____	3 ngaphezulu 3 more	_____ + _____ = _____
	_____	2 ngaphezulu 2 more	_____ + _____ = _____
	_____	3 ngaphezulu 3 more	_____ + _____ = _____
	_____	1 ngaphezulu 1 more	_____ + _____ = _____
	_____	2 ngaphezulu 2 more	_____ + _____ = _____

4 Dibanisa.

Add.

$$\begin{array}{cccc}
 9 + 1 = \underline{\quad} & 7 + 3 = \underline{\quad} & 5 + 5 = \underline{\quad} & 8 + 1 = \underline{\quad} \\
 6 + 3 = \underline{\quad} & 4 + 5 = \underline{\quad} & 8 + 2 = \underline{\quad} & 6 + 4 = \underline{\quad} \\
 3 + 6 = \underline{\quad} & 7 + 2 = \underline{\quad} & 5 + 4 = \underline{\quad} & 3 + 7 = \underline{\quad}
 \end{array}$$

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZAMANANI
UKUYA KU-10-
BONDS UP TO 10

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

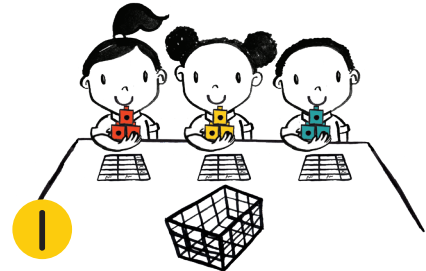
UMDLALO
GAME

IPHEPHA
LOKUSEBENZELA
WORKSHEET

Umdlalo: Phosa iibloko Game: Throw the blocks

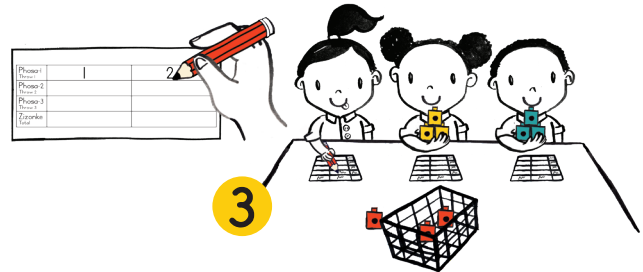
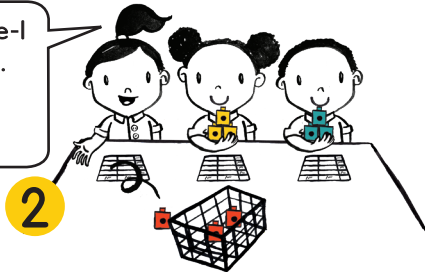
Bamba iibloko ezi-3 ngesandla.
Tshintshiselanani ngokuphosa iibloko
zenu ebhokisini.

Hold 3 blocks in one hand. Take turns to throw your blocks
into the box.



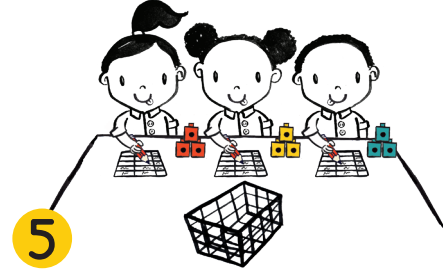
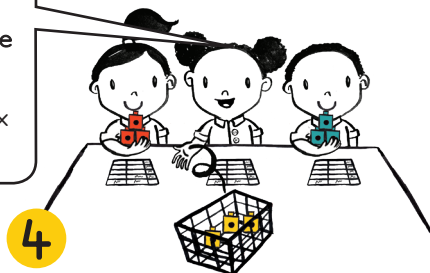
Ndina-2 ebhokisini. Ndine-1
ngaphandle kwebhokisi.

I got 2 in the box!
And 1 outside the box.



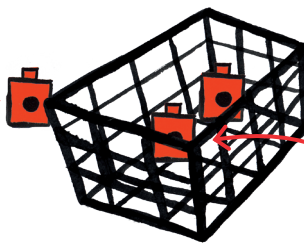
Yigem yam. Ndifake za-3
ebhokisini ne-0 ngaphandle
kwebhokisi.

My turn. I got 3 in the box
and 0 outside the box!



Wonke umntu makafumane
elakhe ithuba abhale
ephepheni lengxelo.

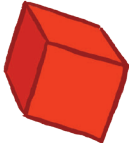
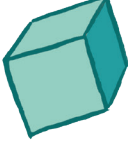
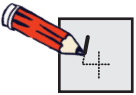
Take turns and fill in your record sheets.

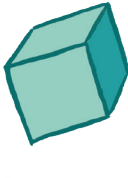
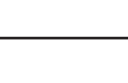
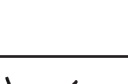
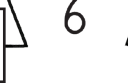


Phosa-1 Throw 1		2
Phosa-2 Throw 2		
Phosa-3 Throw 3		
Zizonke Total		

1 Zingaphi?

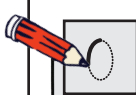
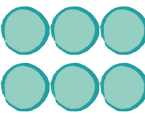
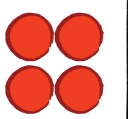
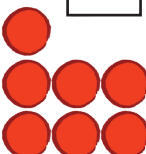
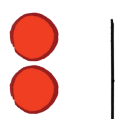
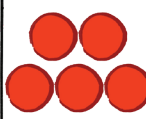
How many?

2 Zingaphi iibhola ezisebhokisini?

How many balls in the box?

	3	3			7	5		3			6		
4			7			4			5				
6			5										

Amabali okudibanisa

Addition stories

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZAMANANI
UKUYA KU-10-
BONDS UP TO 10

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

I Balisela iqabane lakho ibali lokudibanisa elimalunga nalo mfanekiso uze ubhale isivakalisi manani.

Tell an addition story to your partner about each picture. Then write the number sentence.

	Isivakalisi manani Number sentence
	___ + ___ = ___
	___ + ___ = ___
	___ + ___ = ___
	___ + ___ = ___
	___ + ___ = ___
	___ + ___ = ___

2 Dibanisa.

Add.

$4 + 3 = \underline{\quad}$

$8 + 2 = \underline{\quad}$

$7 + 1 = \underline{\quad}$

$6 + 4 = \underline{\quad}$

$3 + 6 = \underline{\quad}$

$0 + 6 = \underline{\quad}$

$7 + 0 = \underline{\quad}$

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

$1 + 7 = \underline{\quad}$

$7 + 3 = \underline{\quad}$

$2 + 7 = \underline{\quad}$

$6 + 2 = \underline{\quad}$

$0 + 9 = \underline{\quad}$

$5 + 3 = \underline{\quad}$

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

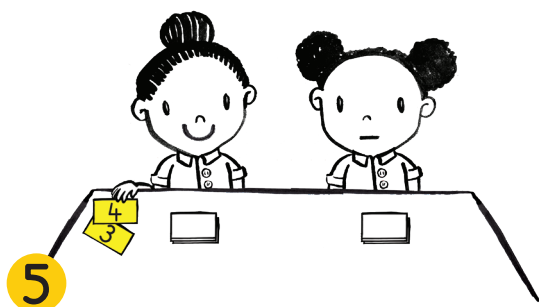
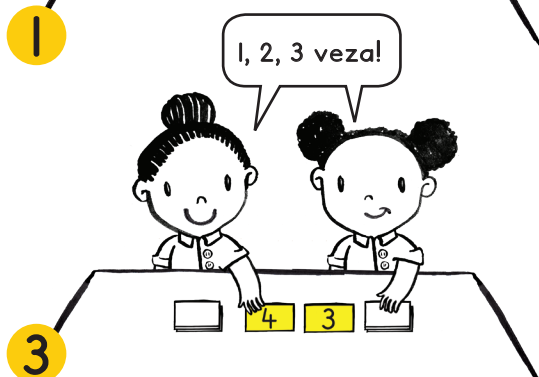
$5 + 2 = \underline{\quad}$

Umdlalo: Masidibanise!

Game: Let's add!

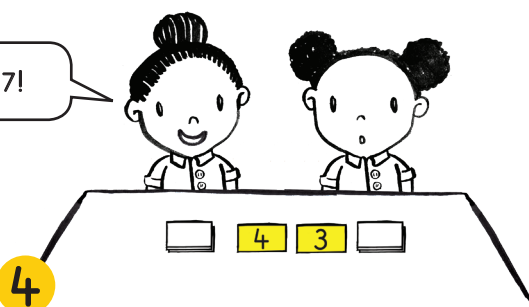
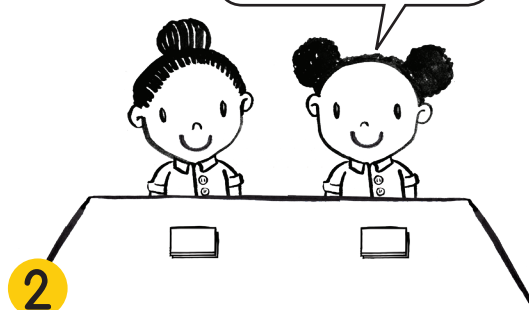
Tshofula amakhadi amanani akho.

Shuffle your number cards.



Uwabeke ngobuso edesikeni.

Put them face down on your desk.



Umfundi onamakhadi amaninzi ekupheleni komdlalo nguye ophumelelayo.

The learner with the most cards at the end wins the game.

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZAMANANI
UKUYA KU-10-
BONDS UP TO 10

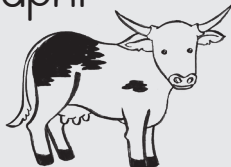
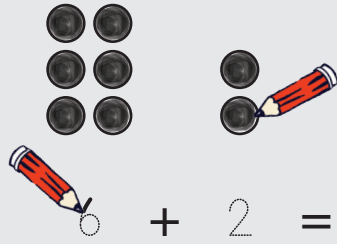
UPHUHLISO
LWENGQIYO
CONCEPT DEVELOPMENT

UMDLALO
GAME

IPHEPHA
LOKUSEBENZELA
WORKSHEET

Funda ibali. Wakugqiba bhala isivakalisi manani sokusombulula ingxaki.

Read the story. Then write a number sentence to solve the problem.

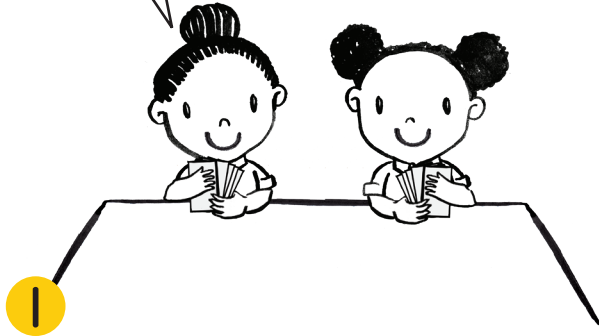
Utata uJola ebeneenkomo ezi-6. Unyana wakhe uze nezinye ezi-2. Zingaphi iinkomo anazo zidibene? Tata Jola had 6 cows. His son brought 2 more. How many cows altogether? 	 $\underline{\quad} + \underline{2} = \underline{8}$
ULulo uneentyatyambo ezi-3. Umhlobo wakhe uneentyatyambo ezi-3. Zingaphi iintyatyambo zabo zidibene? Lulo has 3 flowers. Her friend has 3 flowers. How many flowers altogether? 	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
Ndineebhokisi ezi-5. Wena uneebhokisi ezi-3 ngaphezu kwezi ndinazo. Zingaphi iibhokisi onazo? I have 5 boxes. You have 3 more boxes than I do. How many boxes do you have? 	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
UKhanya uneelekese ezi-4. UVusi uneelekese ezi-6. Zingaphi iilekese zabo zidibene? Khanya has 4 sweets. Vusi has 6 sweets. How many sweets altogether? 	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
UThina unama-apile ama-3. Umama wakhe ufuna ama-apile amabini ngaphezulu kunaka Thina. Mangaphi ama-apile afunwa ngumama kaThina? Thina has 3 apples. Her mother needs 2 more apples than Thina has. How many apples does her mother need? 	$\underline{\quad} + \underline{\quad} = \underline{\quad}$

Umdlalo: Masidibanise!

Game: Let's add!

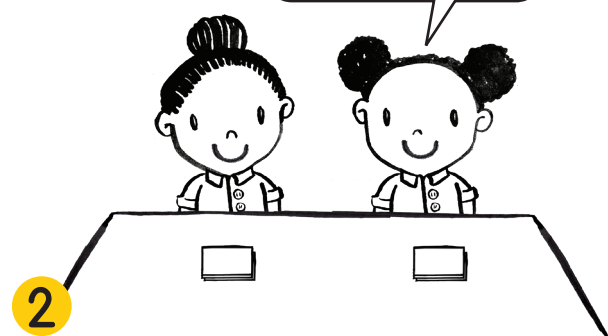
Tshofula amakhadi amanani akho.

Shuffle your number cards.

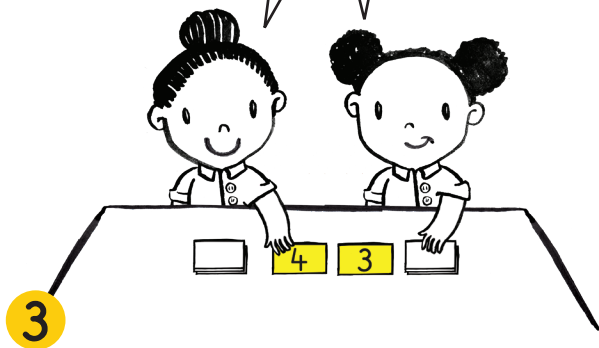


Uwabeke ngobuso edesikeni.

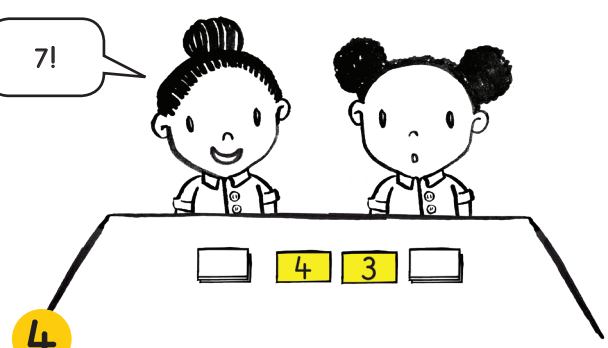
Put them face down on your desk.



1, 2, 3 veza!

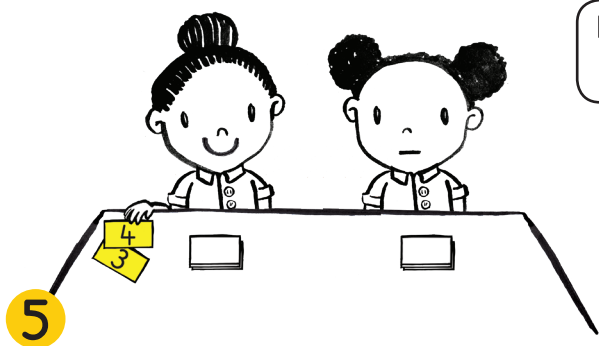


7!



Ndiphumelele!

I win!



Umfundi onamakhadi amaninzi ekupheleni komdlalo nguye ophumelelayo.

The learner with the most cards at the end wins the game.

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZAMANANI
UKUYA KU-10-
BONDS UP TO 10

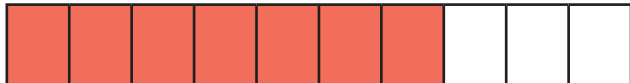
UPHUHLISO
LWENGQIYO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

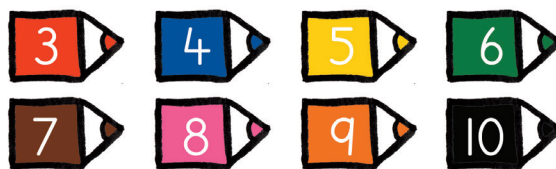
I Gqibezela isivakalisi manani.

Complete the number sentence.

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

2 Sombulula uze ufakele umbala.

Solve and colour.



3 Bhala izivakalisi manani.

Write number sentences.

$\underline{2} + \underline{3} = 5$ $\underline{3} + \underline{2} = 5$	$\underline{\quad} + \underline{\quad} = 4$ $\underline{\quad} + \underline{\quad} = 4$
5 2 3	4
$\underline{\quad} + \underline{\quad} = 9$ $\underline{\quad} + \underline{\quad} = 9$	$\underline{\quad} + \underline{\quad} = 7$ $\underline{\quad} + \underline{\quad} = 7$
9	7
$\underline{\quad} + \underline{\quad} = 6$ $\underline{\quad} + \underline{\quad} = 6$	$\underline{\quad} + \underline{\quad} = 8$ $\underline{\quad} + \underline{\quad} = 8$
6	8

1 Dibanisa.

Add.

$4 + 2 = \underline{\quad}$ $3 + 1 = \underline{\quad}$ $5 + 4 = \underline{\quad}$ $7 + 3 = \underline{\quad}$

$1 + 7 = \underline{\quad}$ $2 + 3 = \underline{\quad}$ $2 + 5 = \underline{\quad}$ $1 + 8 = \underline{\quad}$

$5 + 5 = \underline{\quad}$ $6 + 2 = \underline{\quad}$ $4 + 6 = \underline{\quad}$ $3 + 3 = \underline{\quad}$

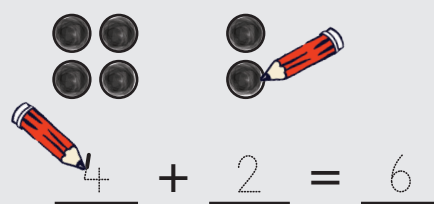
$6 + 3 = \underline{\quad}$ $4 + 3 = \underline{\quad}$ $5 + 3 = \underline{\quad}$ $1 + 6 = \underline{\quad}$

2 Funda ibali. Wakugqiba bhala isivakalisi manani sokusombulula ingxaki.

Read the story. Then write a number sentence to solve the problem.

Umama unezitya ezi-4. Udade wethu uze nezinye ezi-2. Zingaphi izitya ezikhoyo zidibene?

Mother had 4 bowls. My sister brought 2 more. How many bowls altogether?



$$\underline{4} + \underline{2} = \underline{6}$$

UJabu uneebloko ezi-5. Umhlobo wakhe uneebloko ezi-3. Zingaphi iibloko zidibene?

Jabu has 5 blocks. His friend has 3 blocks. How many blocks altogether?

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

UMike uneeorenji ezi-2. Umama wakhe ufuna iorenji ezingaphezulu ngesi-5 kunezikaMike. Zingaphi iorenji azifunayo umama wakhe?

Mike has 2 oranges. His mother needs 5 more oranges than Mike has. How many oranges does his mother need?

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

Ndineelekeke ezisi-7. Wena uneelekeke ezingaphezulu ngesi-3 kunezam. Zingaphi iilekeke onazo?

I have 7 sweets. You have 3 more sweets than I do. How many sweets do you have?

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

3 Zingaphi iibhola ezisebhokisini?

How many balls in the box?

5	6	3	7
4			
4	7	8	9
8	6		

4 Sombulula uze ufakele umbala.

Solve and colour.

3	4	5	6
7	8	9	10

4 + 2	6 + 2	2 + 2	6 + 1	1 + 5
6 + 3	2 + 3	3 + 3	5 + 2	3 + 1
5 + 3	5 + 1	4 + 1	4 + 2	6 + 4



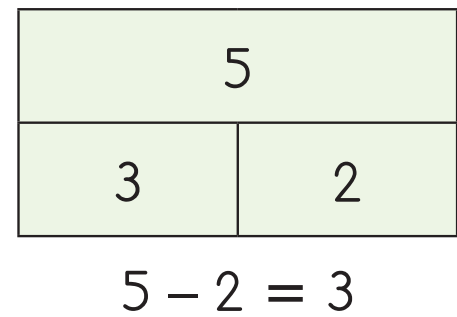
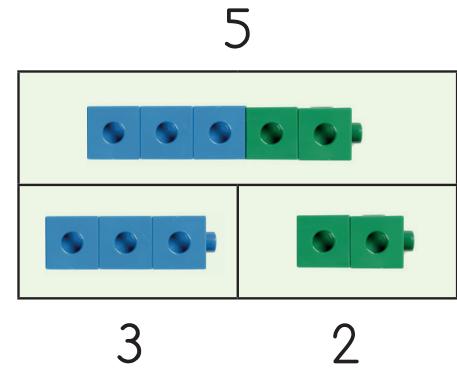
IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZAMANANI
UKUYA KU-10-
BONDS UP TO 10

UPHUHLISO
LWENGQIYO
CONCEPT DEVELOPMENT

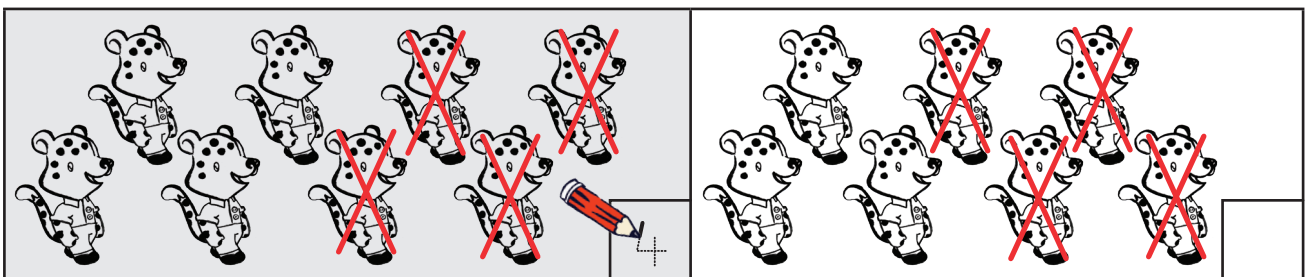
UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS



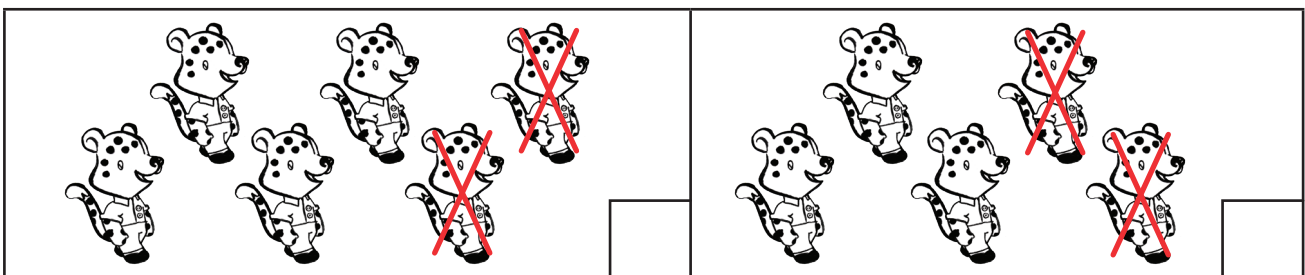
1 Ukuba ezi-4 ziyabaleka zimke, kushiyeke ezingaphi?

If 4 run away, how many are left behind?



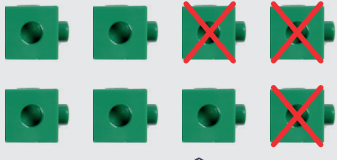
Ukuba ezi-2 ziyabaleka zimke, kushiyeke ezingaphi?

If 2 run away, how many are left behind?



2 Sebenzisa iibloko zakho. Zingaphi ezishiyekileyo?

Use your blocks. How many are left?

 $8 - 3 = \underline{5}$	$7 - 4 = \underline{\quad}$
$6 - 5 = \underline{\quad}$	$4 - 3 = \underline{\quad}$
$9 - 1 = \underline{\quad}$	$10 - 6 = \underline{\quad}$
$10 - 3 = \underline{\quad}$	$9 - 4 = \underline{\quad}$
$8 - 7 = \underline{\quad}$	$6 - 3 = \underline{\quad}$
$9 - 2 = \underline{\quad}$	$7 - 5 = \underline{\quad}$

Ukusebenzisa izivakalisi manani ukuze ubonise ukuthabatha
Using number sentences to show subtraction

IZIBALO
ZENTLOKO
MENTAL MATHS

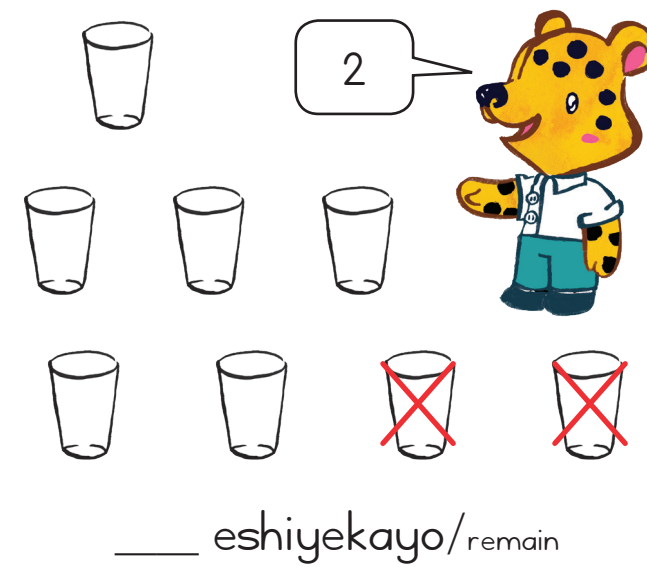
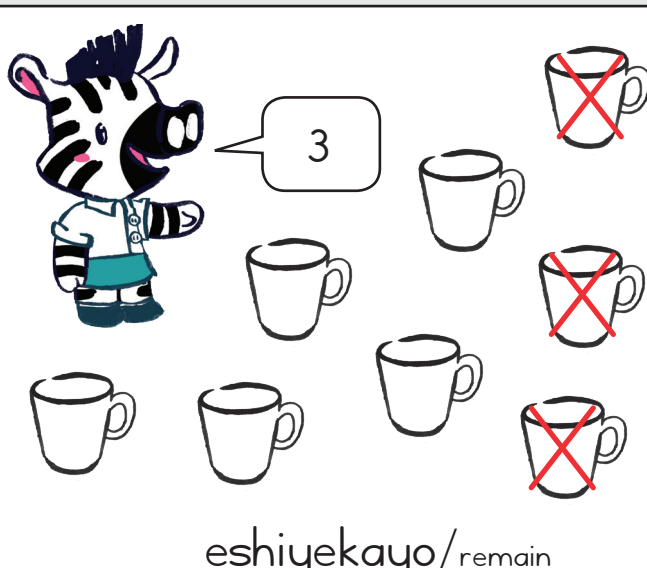
IIBHONDI ZAMANANI
UKUYA KU-10-
BONDS UP TO 10

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Ukuba ndithatha ____ kuza kushiyeke ezingaphi?
If I take ____ how many remain?

 ____ eshiyekayo/remain	 ____ eshiyekayo/remain
 ____ eshiyekayo/remain	 ____ eshiyekayo/remain

2 Sebenzisa iibloko zakho. Zingaphi ezishiyekeleyo?
Use your blocks. How many are left?

$8 - 1 = \underline{\quad}$

$10 - 4 = \underline{\quad}$

$7 - 1 = \underline{\quad}$

$9 - 2 = \underline{\quad}$

$8 - 6 = \underline{\quad}$

$7 - 3 = \underline{\quad}$

$10 - 2 = \underline{\quad}$

$9 - 3 = \underline{\quad}$

$7 - 2 = \underline{\quad}$

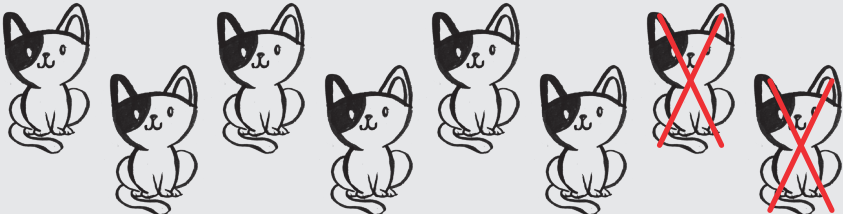
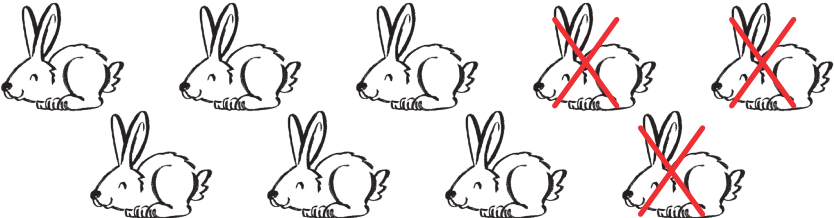
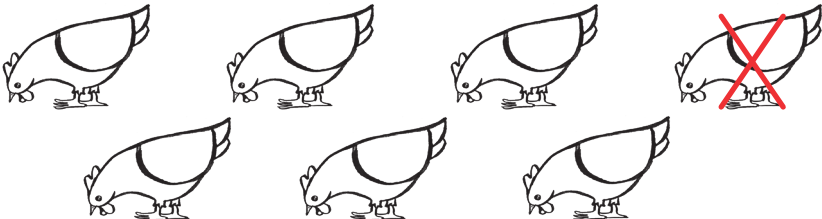
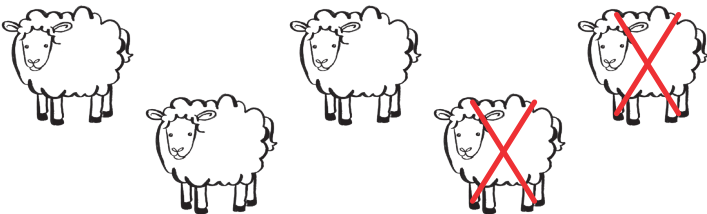
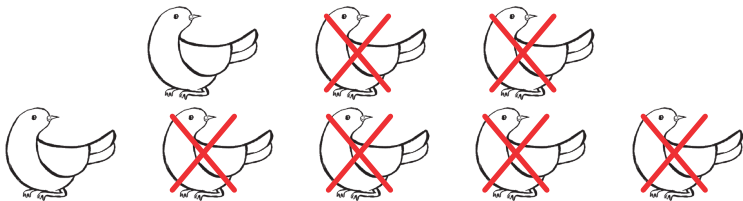
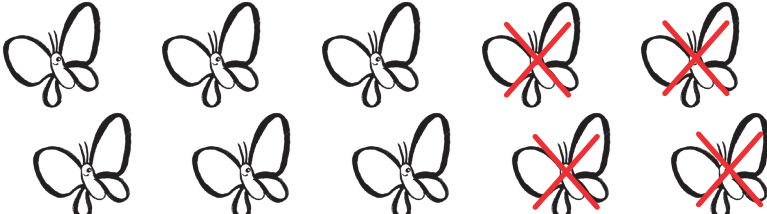
$6 - 4 = \underline{\quad}$

$6 - 3 = \underline{\quad}$

$8 - 1 = \underline{\quad}$

3 Zingaphi ezishiyekileyo? Bhala isivakalisi manani.

How many are left? Write the number sentence.

	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$

Ukuthabatha (izahlulo-nto epheleleyo) Subtraction (part-whole)

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZAMANANI
UKUYA KU-10-
BONDS UP TO 10

UPHUHLISO
LWENGQIYO
CONCEPT DEVELOPMENT

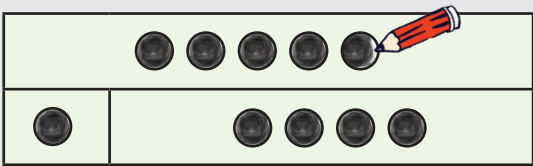
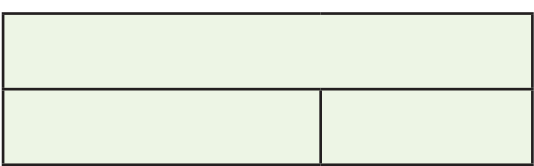
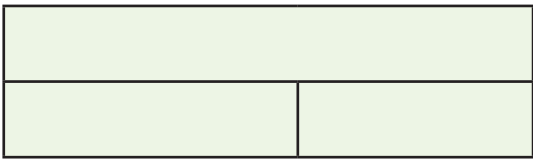
UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

I Zingaphi iibhola ezifanele ukuba sebhokisini engenanto?
How many balls should be in the empty box?

2 Zoba amachokoza kwitheyibhile yezahlulo nento epheleleyo uze ugqibezele isivakalisi manani.

Draw dots in the part-whole table and complete the number sentence.

 $5 - 1 = \underline{\quad}$	 $5 - 3 = \underline{\quad}$
 $9 - 5 = \underline{\quad}$	 $8 - 2 = \underline{\quad}$
 $7 - 6 = \underline{\quad}$	 $10 - 5 = \underline{\quad}$
 $8 - 6 = \underline{\quad}$	 $9 - 3 = \underline{\quad}$
 $10 - 1 = \underline{\quad}$	 $7 - 5 = \underline{\quad}$

Ukusebenzisa izivakalisi manani ukuze ubonise ukuthabatha
Using number sentences to show subtraction

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZAMANANI
UKUYA KU-10-
BONDS UP TO 10

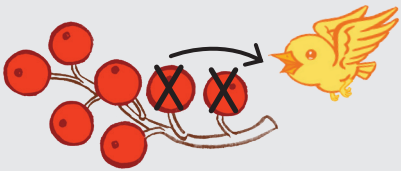
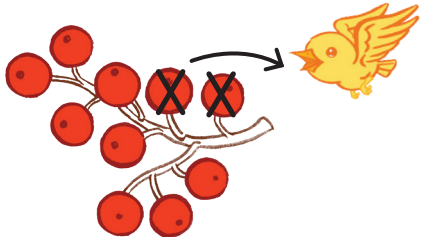
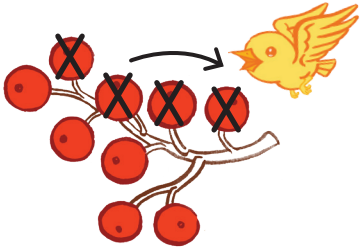
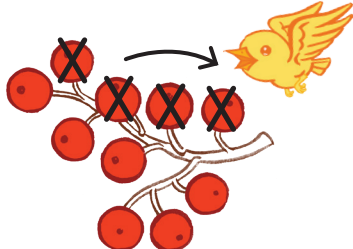
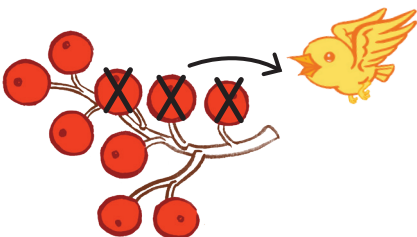
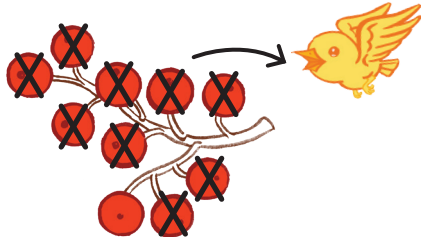
UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

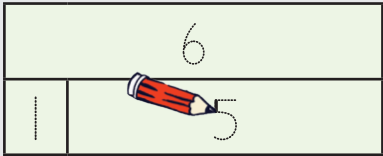
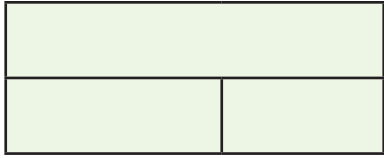
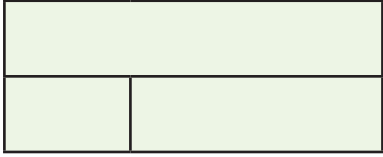
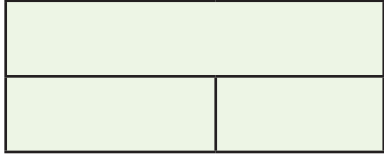
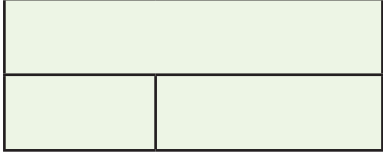
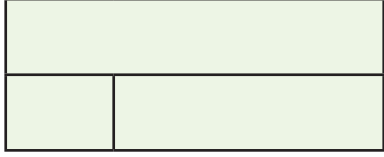
I Mangaphi amaqunube ashiyekileyo? Bhala isivakalisi manani sokuthabatha.

How many berries are left? Write the subtraction sentences.

 <table border="1"> <tr><td colspan="2">7</td></tr> <tr><td>2</td><td>5</td></tr> </table> 7 - 2 = 5	7		2	5	 <table border="1"> <tr><td colspan="2"></td></tr> <tr><td></td><td></td></tr> </table> ___ - ___ = ___				
7									
2	5								
 <table border="1"> <tr><td colspan="2"></td></tr> <tr><td></td><td></td></tr> </table> ___ - ___ = ___					 <table border="1"> <tr><td colspan="2"></td></tr> <tr><td></td><td></td></tr> </table> ___ - ___ = ___				
 <table border="1"> <tr><td colspan="2"></td></tr> <tr><td></td><td></td></tr> </table> ___ - ___ = ___					 <table border="1"> <tr><td colspan="2"></td></tr> <tr><td></td><td></td></tr> </table> ___ - ___ = ___				

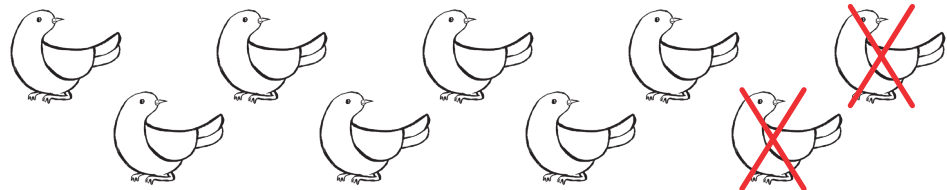
2 Bhala amanani kule theyibhile uze ugqibezele isivakalisi manani.

Write the numbers in the table and complete the number sentence.

 $6 - 1 = \underline{\quad}$	 $5 - 2 = \underline{\quad}$
 $10 - 7 = \underline{\quad}$	 $9 - 2 = \underline{\quad}$
 $8 - 7 = \underline{\quad}$	 $7 - 4 = \underline{\quad}$
 $6 - 2 = \underline{\quad}$	 $9 - 5 = \underline{\quad}$
 $10 - 4 = \underline{\quad}$	 $7 - 2 = \underline{\quad}$

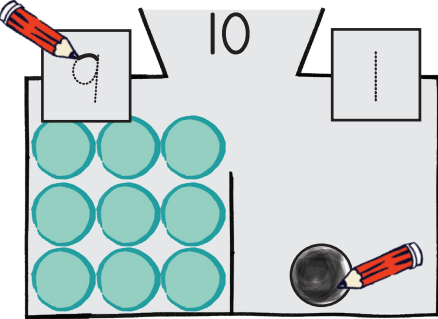
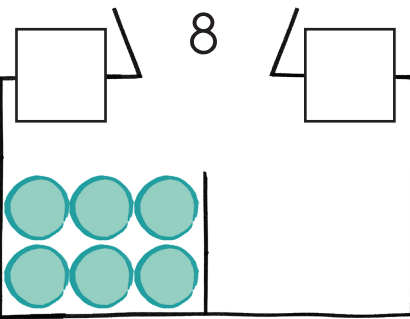
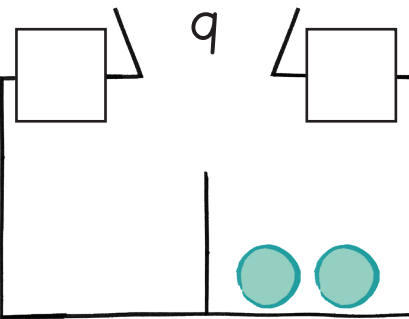
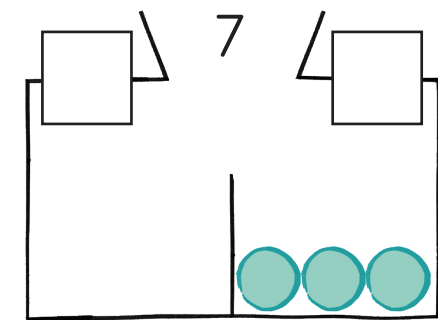
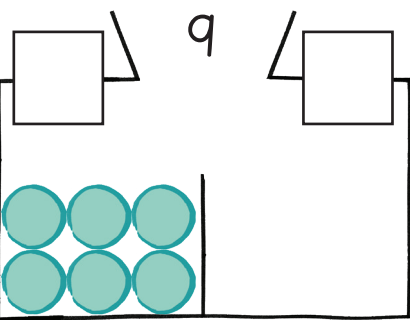
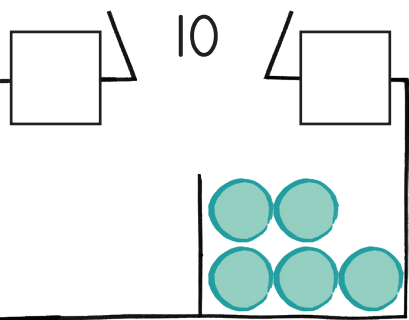
1 Zingaphi ezishiyekileyo? Bhala isivakalisi manani.

How many are left? Write the number sentence.

	 $7 - 2 = 5$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$

2 Zingaphi iibhola ezifanele ukuba sebhokisini engenanto?

How many balls should be in the empty box?

How many berries are left? Write the subtraction sentences.

 ____ - ____ = ____	 ____ - ____ = ____
 ____ - ____ = ____	 ____ - ____ = ____

Use your blocks. How many are left?

$6 - 3 = \underline{\quad}$

$6 - 1 = \underline{\quad}$

$7 - 5 = \underline{\quad}$

$7 - 4 = \underline{\quad}$

$5 - 2 = \underline{\quad}$

$10 - 2 = \underline{\quad}$

$8 - 4 = \underline{\quad}$

$5 - 3 = \underline{\quad}$

$7 - 2 =$

$7 - 2 =$

$q - 7 =$

$9 - 5 =$

$6 - 4 = \underline{\quad}$

$6 - 2 = \underline{\quad}$

$10 - 3 = \underline{\quad}$

$10 - 7 = \underline{\quad}$

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZAMANANI
UKUYA KU-10-
BONDS UP TO 10

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

I Bhala izivakalisi manani.

Write number sentences.

 	 ____ - ____ = ____
 ____ - ____ = ____	 ____ - ____ = ____
 ____ - ____ = ____	 ____ - ____ = ____
 ____ - ____ = ____	 ____ - ____ = ____
 ____ - ____ = ____	 ____ - ____ = ____

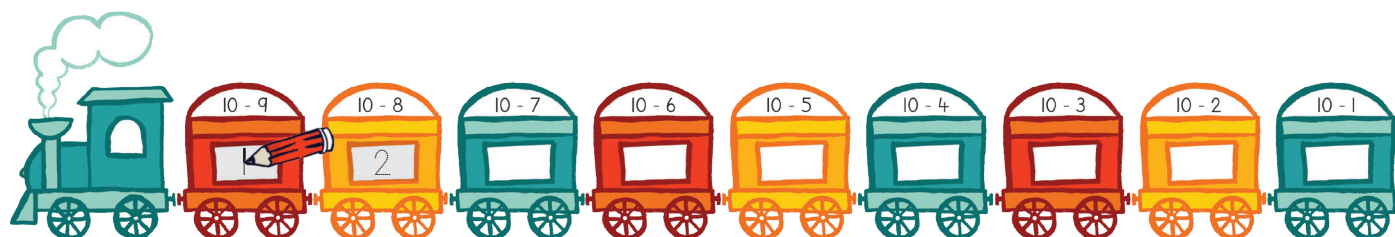
2 Bhala izivakalisi manani ukuze zilingane namanani aseziBlokweni.

Write subtraction sentences to equal the numbers in the blocks.

1 $\begin{array}{r} 2 \\ - 1 \\ \hline \end{array} = 1$ $\begin{array}{r} 3 \\ - 2 \\ \hline \end{array} = 1$ $\begin{array}{r} 4 \\ - 3 \\ \hline \end{array} = 1$ $\begin{array}{r} 5 \\ - 4 \\ \hline \end{array} = 1$	3 $\begin{array}{r} \\ - \\ \hline \end{array} = 3$ $\begin{array}{r} \\ - \\ \hline \end{array} = 3$ $\begin{array}{r} \\ - \\ \hline \end{array} = 3$ $\begin{array}{r} \\ - \\ \hline \end{array} = 3$
4 $\begin{array}{r} \\ - \\ \hline \end{array} = 4$ $\begin{array}{r} \\ - \\ \hline \end{array} = 4$ $\begin{array}{r} \\ - \\ \hline \end{array} = 4$ $\begin{array}{r} \\ - \\ \hline \end{array} = 4$	2 $\begin{array}{r} \\ - \\ \hline \end{array} = 2$ $\begin{array}{r} \\ - \\ \hline \end{array} = 2$ $\begin{array}{r} \\ - \\ \hline \end{array} = 2$ $\begin{array}{r} \\ - \\ \hline \end{array} = 2$
6 $\begin{array}{r} \\ - \\ \hline \end{array} = 6$ $\begin{array}{r} \\ - \\ \hline \end{array} = 6$ $\begin{array}{r} \\ - \\ \hline \end{array} = 6$ $\begin{array}{r} \\ - \\ \hline \end{array} = 6$	5 $\begin{array}{r} \\ - \\ \hline \end{array} = 5$ $\begin{array}{r} \\ - \\ \hline \end{array} = 5$ $\begin{array}{r} \\ - \\ \hline \end{array} = 5$ $\begin{array}{r} \\ - \\ \hline \end{array} = 5$

3 Thabatha uze ubhale iimpendulo kule treyini.

Subtract and write the answers in the train.



Ukuthabatha (thelekisa) Subtraction (compare)

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZAMANANI
UKUYA KU-10-
BONDS UP TO 10

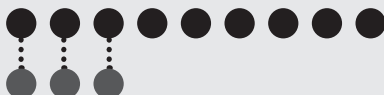
UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Yintoni umahluko?

What is the difference?

  <u>9</u> - <u>3</u> = <u>6</u>	 <u> </u> - <u> </u> = <u> </u>	 <u> </u> - <u> </u> = <u> </u>
 <u> </u> - <u> </u> = <u> </u>	 <u> </u> - <u> </u> = <u> </u>	 <u> </u> - <u> </u> = <u> </u>
 <u> </u> - <u> </u> = <u> </u>	 <u> </u> - <u> </u> = <u> </u>	 <u> </u> - <u> </u> = <u> </u>

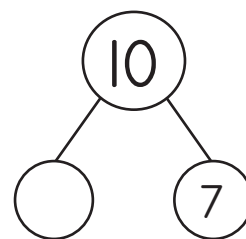
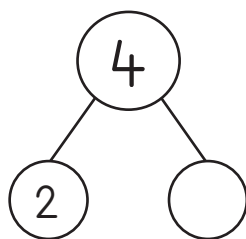
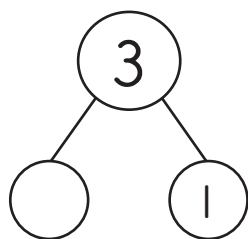
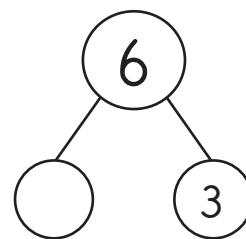
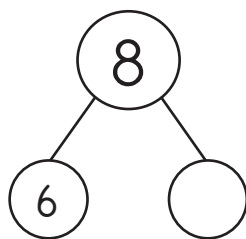
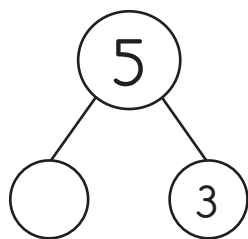
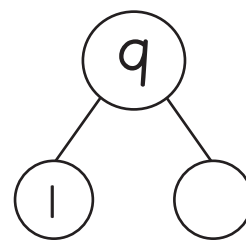
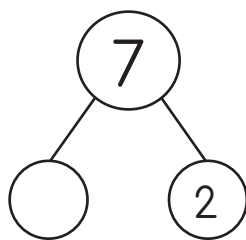
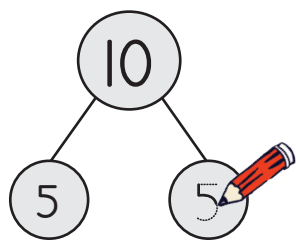
2 Yenza amachokoza ukuze usombulule le ngxaki.

Draw dots to solve the problems.

Ndinezitikha ezi-4 aze umhlobo wam abe nezitikha ezi-2. Yintoni umahluko phakathi kwenani lezitikha esinazo? I have 4 stickers and my friend has 2 stickers. What is the difference between the number of stickers we have? 	  <u>4</u> - <u>2</u> = <u>2</u>
Kukho izitulo ezili-10 kweli gumbi kunye nezitulo ezisi-7 kwelinye igumbi. Yintoni umahluko phakathi kwenani lezitulo ezikula magumbi? There are 10 chairs in this room and 7 chairs in the next room. What is the difference between the number of chairs in the rooms? 	

3 Zalisa izangqa ezingenanto.

Fill the empty circles.



4 Yenza amachokoza uze uthabathe.

Draw dots and subtract.

	$7 - 2 = \underline{\quad}$	$4 - 3 = \underline{\quad}$
$8 - 4 = \underline{\quad}$	$6 - 4 = \underline{\quad}$	$10 - 5 = \underline{\quad}$
$9 - 5 = \underline{\quad}$	$3 - 1 = \underline{\quad}$	$5 - 2 = \underline{\quad}$
$10 - 3 = \underline{\quad}$	$8 - 6 = \underline{\quad}$	$9 - 3 = \underline{\quad}$

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZAMANANI
UKUYA KU-10-
BONDS UP TO 10

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Yintoni umahluko?

What is the difference?

 $\underline{5} - \underline{4} = \underline{1}$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$
 $\underline{\quad} - \underline{\quad} = \underline{\quad}$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$

2 Yintoni umahluko?

What is the difference?

$$7 - 1 = \underline{\quad}$$

$$8 - 1 = \underline{\quad}$$

$$10 - 1 = \underline{\quad}$$

$$6 - 4 = \underline{\quad}$$

$$9 - 4 = \underline{\quad}$$

$$10 - 2 = \underline{\quad}$$

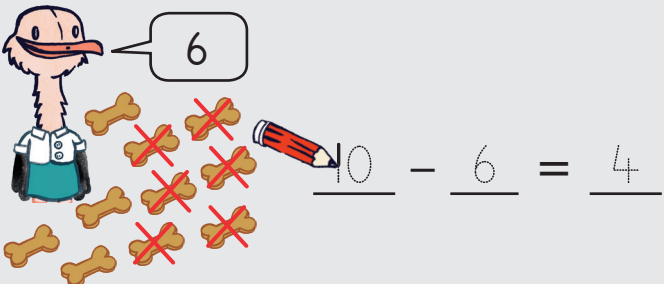
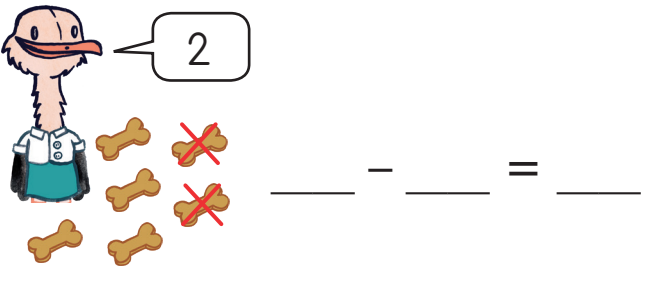
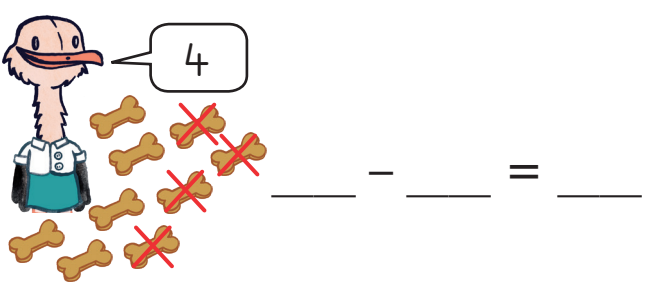
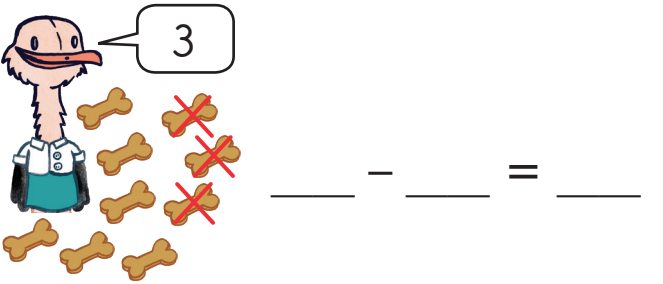
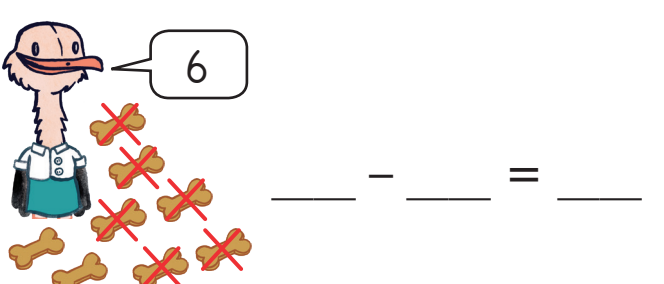
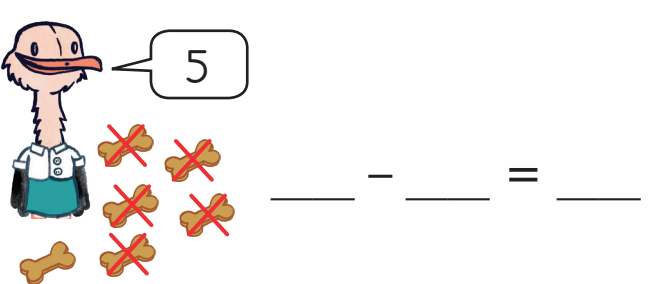
$$7 - 3 = \underline{\quad}$$

$$8 - 3 = \underline{\quad}$$

$$10 - 3 = \underline{\quad}$$

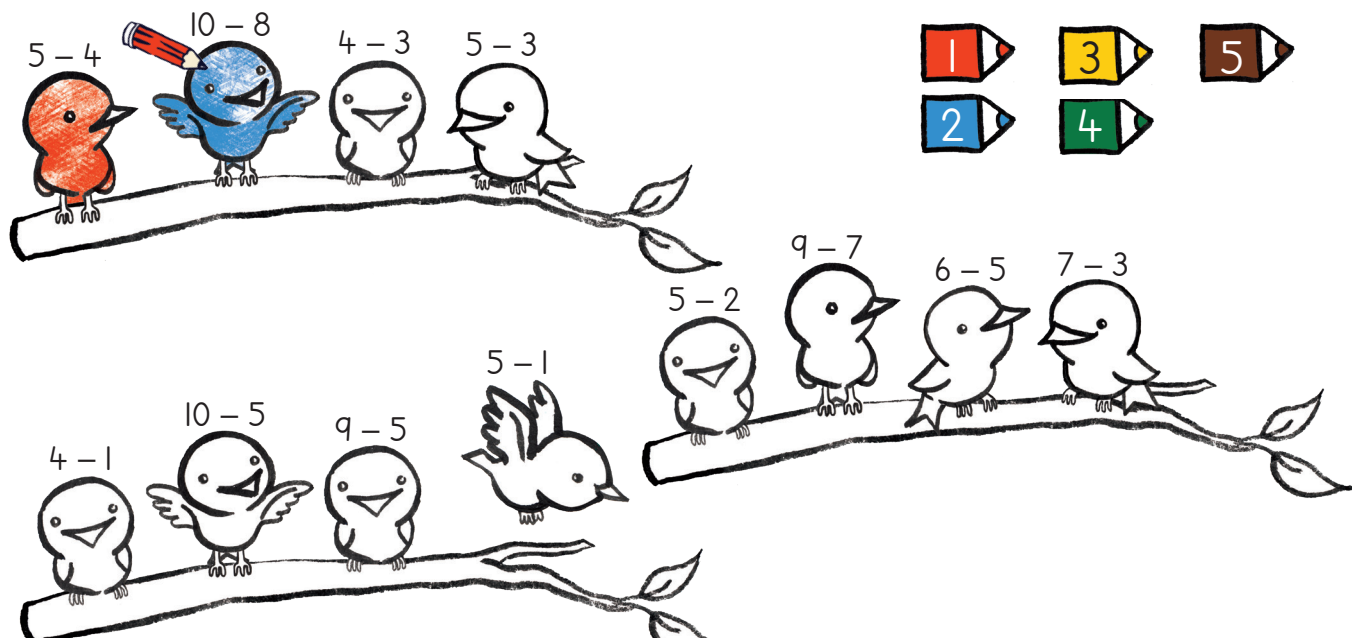
3 Zingaphi iibhiskithi ezishiyekileyo ukuba uDada utya ezi-_____?

How many biscuits are left if Dada eats _____?

4 Thabatha uze ufakele umbala.

Subtract and colour.



Legend: 1 (red), 2 (blue), 3 (yellow), 4 (green), 5 (brown)

Top branch: 5 - 4, 10 - 8, 4 - 3, 5 - 3

Bottom branch: 4 - 1, 10 - 5, 9 - 5, 5 - 1, 5 - 2, 9 - 7, 6 - 5, 7 - 3

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZAMANANI
UKUYA KU-10-
BONDS UP TO 10

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

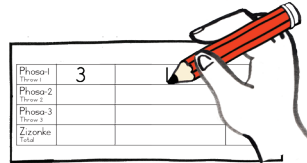
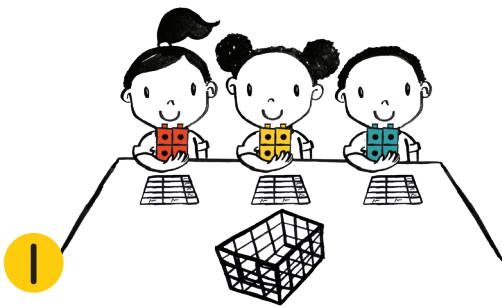
UMDLALO
GAME

IPHEPHA
LOKUSEBENZELA
WORKSHEET

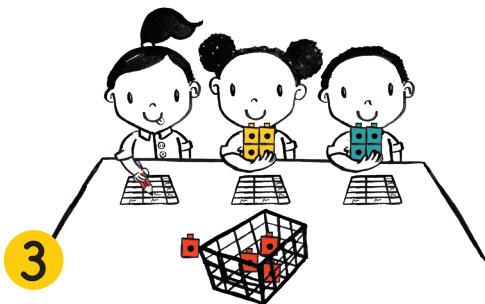
Umdlalo: Phosa iibloko Game: Throw the blocks

Bamba iibloko ezi-4 ngesandla. Tshintshiselanani ngokuphosa iibloko zenu ebhokisini.

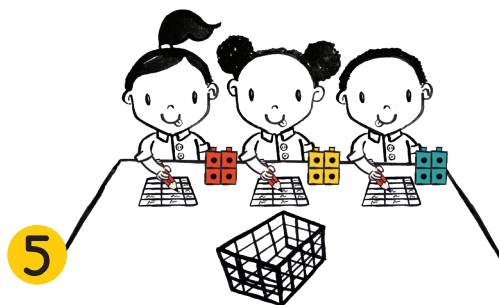
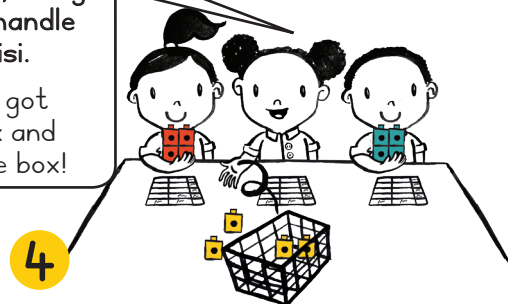
Hold 4 blocks in one hand. Take turns to throw your blocks into the box.



Ndifake za-3 ebhokisini!
I-1 engaphandle kwebhokisi.
I got 3 in the box!
And 1 outside the box.

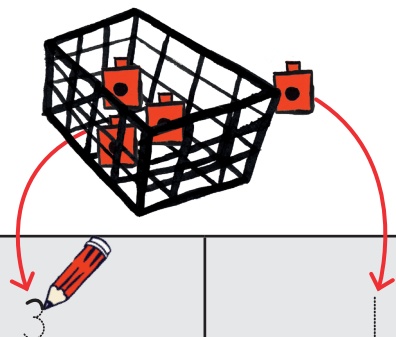
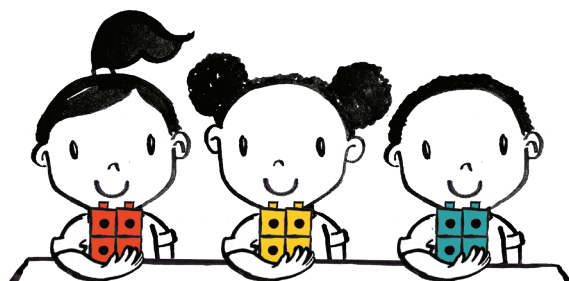


Yigem yam. Ndifake
za-2 ebhokisini, ezinye
ezi-2 zingaphandle
kwebhokisi.
My turn. I got
2 in the box and
2 outside the box!



Umntu ngamnye makafumane ithuba ukuze azalise amaphepha okurekhodisha. Fumana umahluko phakathi kwenani elikhulu nelincinci.

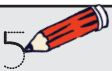
Take turns and fill in your record sheets. Find the difference between the bigger number and the smaller number.



Phosa-1 Throw 1	3	1	$\underline{3} - \underline{1} = \underline{2}$
Phosa-2 Throw 2			$\underline{\quad} - \underline{\quad} = \underline{\quad}$
Phosa-3 Throw 3			$\underline{\quad} - \underline{\quad} = \underline{\quad}$
Phosa-4 Throw 4			$\underline{\quad} - \underline{\quad} = \underline{\quad}$
Phosa-5 Throw 5			$\underline{\quad} - \underline{\quad} = \underline{\quad}$
Phosa-6 Throw 6			$\underline{\quad} - \underline{\quad} = \underline{\quad}$
Phosa-7 Throw 7			$\underline{\quad} - \underline{\quad} = \underline{\quad}$
Phosa-8 Throw 8			$\underline{\quad} - \underline{\quad} = \underline{\quad}$
Phosa-9 Throw 9			$\underline{\quad} - \underline{\quad} = \underline{\quad}$
Phosa-10 Throw 10			$\underline{\quad} - \underline{\quad} = \underline{\quad}$

1 Thabatha ukuze ugqibezele itheyibhile.

Subtract to complete the table.

Amaqhosha ekuqaleni Buttons in the beginning	USisanda uthatha Sisanda takes	Amaqhosha ashiyekileyo Buttons left over
10	5	5 
8	8	
6	0	
9	6	
5	5	
7	0	
10	10	

2 Thabatha.

Subtract.

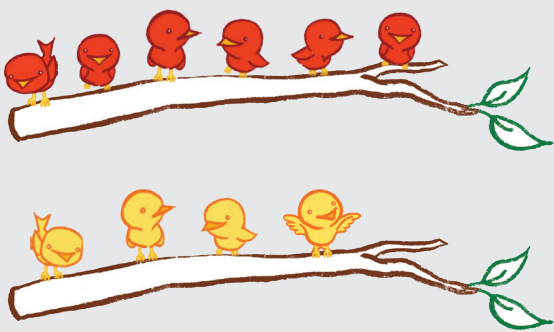
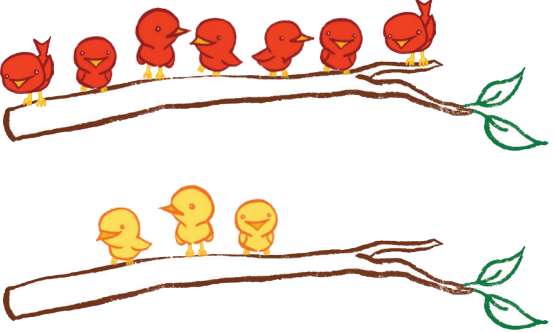
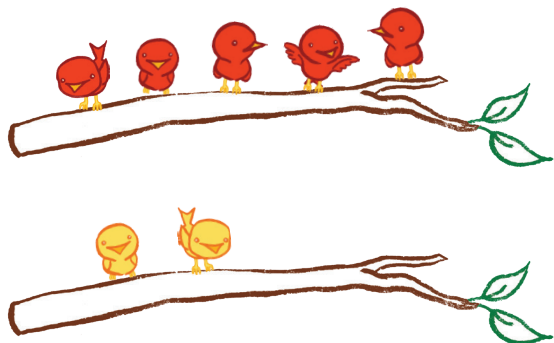
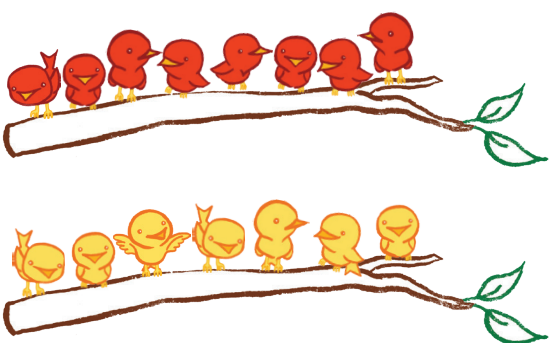
1 - 1 = ____ 1 - 0 = ____	10 - 10 = ____ 10 - 0 = ____
3 - 0 = ____ 3 - 3 = ____	6 - 0 = ____ 6 - 6 = ____
5 - 5 = ____ 5 - 0 = ____	8 - 8 = ____ 8 - 0 = ____
4 - 0 = ____ 4 - 4 = ____	9 - 0 = ____ 9 - 9 = ____
2 - 2 = ____ 2 - 0 = ____	7 - 7 = ____ 7 - 0 = ____

IPHEPHA LOKUSEBENZELA
WORKSHEET

IPHEPHA LOKUSEBENZELA
WORKSHEET

1 Yintoni umahluko?

What is the difference?

 	 ____ - ____ = ____
 ____ - ____ = ____	 ____ - ____ = ____

2 Yintoni umahluko?

What is the difference?

$6 - 2 = \underline{\quad}$

$8 - 3 = \underline{\quad}$

$9 - 7 = \underline{\quad}$

$8 - 5 = \underline{\quad}$

$10 - 4 = \underline{\quad}$

$7 - 4 = \underline{\quad}$

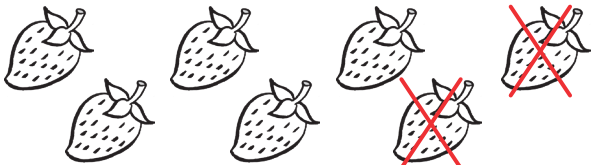
$10 - 3 = \underline{\quad}$

$9 - 6 = \underline{\quad}$

$10 - 2 = \underline{\quad}$

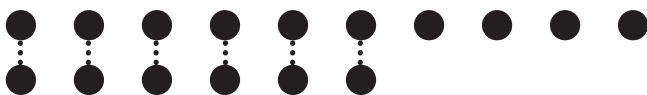
3 Bhala izivakalisi manani.

Write the number sentences.

	 <u>5</u> - <u>2</u> = <u>3</u>
	<u> </u> - <u> </u> = <u> </u>
	<u> </u> - <u> </u> = <u> </u>

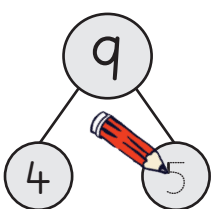
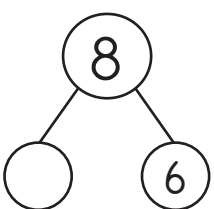
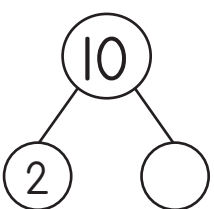
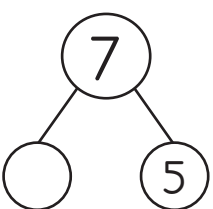
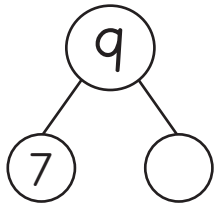
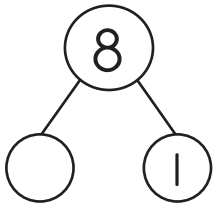
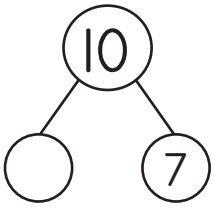
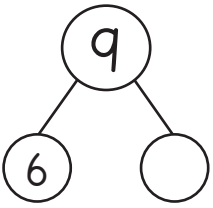
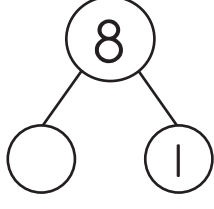
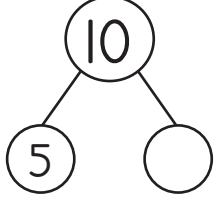
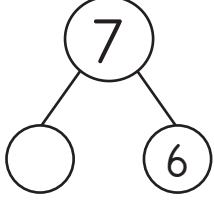
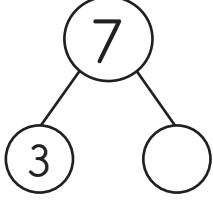
4 Yintoni umahluko?

What is the difference?

	
<u> </u> - <u> </u> = <u> </u>	<u> </u> - <u> </u> = <u> </u>

5 Zalisa izangqa ezingenanto.

Fill the empty circles.

Ukuyila amabali okuthabatha

Creating stories for subtraction

IZIBALO
ZENTLOKO
MENTAL MATHS

UMDLALO
OTHI SALUTA
SALUTE GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

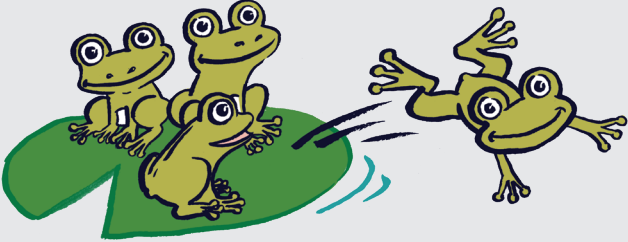
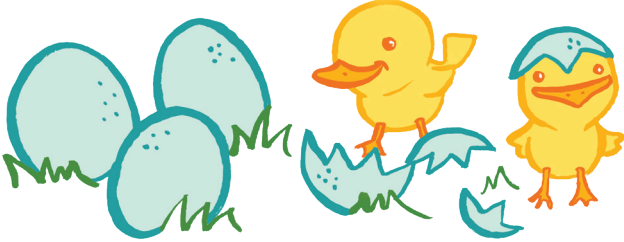
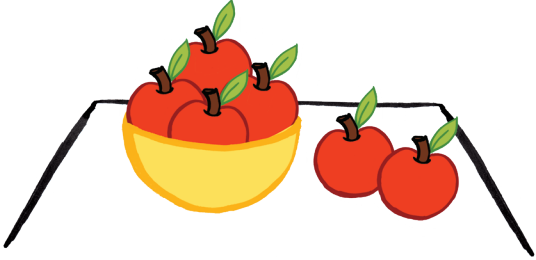
AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Balisela umhlobo wakho ibali lokuthabatha kumfanekiso ngamnye.

Tell a **subtraction** story to a friend for each picture.

2 Bhala isivakalisi manani kumfanekiso ngamnye.

Write the **number sentence** for each picture.

3 Sombulula ezi ngxaki.

Solve the problems.

	
UBuhle unamapayina asi-7. Utye amapayina ama-2. Mangaphi amapayina ashiekileyo? Buhle has 7 pineapples. She eats 2 pineapples. How many pineapples are left?	 $\underline{\quad} - \underline{2} = \underline{5}$
	
UMihle uneeorenji ezili-10. Uphise ngeeorenji ezi-6. Zingaphi iioorenji ezishiekileyo anazo? Mihle has 10 oranges. She gives away 6 oranges. How many oranges does she have left?	_____
	
UAva unama-apile aluhlaza nabomvu. Unama-apile asi-8 ewonke. Ama-2 kuwo abomvu. Mangaphi ama-apile aluhlaza? Ava has some red apples and some green apples. She has 8 apples. 2 of the apples are red. How many apples are green?	_____
	
Kukho iintlanzi ezi-6. Ezi-4 ziye zadada zemka. Zingaphi ezishiekileyo? There are 6 fish. 4 of them swim away. How many are left?	_____
	
ULily uneemagi ezi-9. Ezi-3 kuzo zimdaka kodwa ezinye zicocekile. Zingaphi iimagi ezicocekileyo anazo? Lily has 9 mugs. 3 of them are dirty, but the rest are clean. How many clean mugs does she have?	_____

Ukudibanisa nokuthabatha

Addition and subtraction

IZIBALO
ZENTLOKO
MENTAL MATHS

UMDLALO
OTHI SALUTA
SALUTE GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

I Yakha usapho lwezivakalisi manani kumfanekiso ngamnye.
Create a family of **number sentences** for each of the pictures.

	$5 + 2 = 7$ $7 - 2 = 5$	$2 + 5 = 7$ $7 - 5 = 2$
	$___ + ___ = ___$ $___ - ___ = ___$	$___ + ___ = ___$ $___ - ___ = ___$
	$___ + ___ = ___$ $___ - ___ = ___$	$___ + ___ = ___$ $___ - ___ = ___$
	$___ + ___ = ___$ $___ - ___ = ___$	$___ + ___ = ___$ $___ - ___ = ___$
	$___ + ___ = ___$ $___ - ___ = ___$	$___ + ___ = ___$ $___ - ___ = ___$
	$___ + ___ = ___$ $___ - ___ = ___$	$___ + ___ = ___$ $___ - ___ = ___$
	$___ + ___ = ___$ $___ - ___ = ___$	$___ + ___ = ___$ $___ - ___ = ___$

2 Gqibezela ngokusebenzisa ukudibanisa nokuthabatha.

Complete using **addition** or **subtraction**.

8	
1	

9	
	5

10	
9	

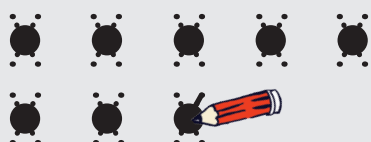
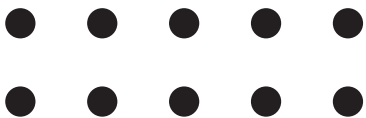
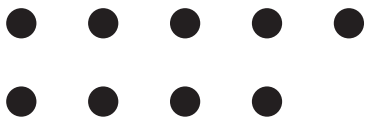
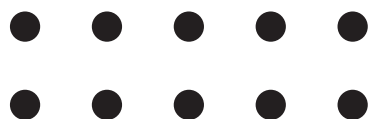
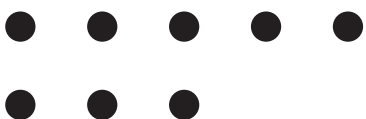
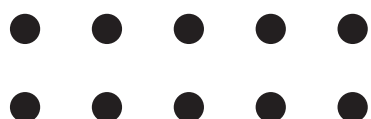
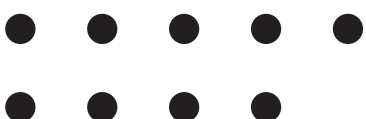
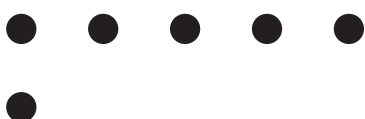
10	
7	

7	
	2

10	
	4

3 Hlaba amachokoza uze ugqibezele izivakalisi manani.

Cross out the dots and complete the number sentences.

 $8 - 8 = \underline{\quad}$	 $10 - 2 = \underline{\quad}$	 $9 - 7 = \underline{\quad}$
 $10 - 9 = \underline{\quad}$	 $8 - 4 = \underline{\quad}$	 $7 - 5 = \underline{\quad}$
 $10 - 3 = \underline{\quad}$	 $9 - 0 = \underline{\quad}$	 $6 - 4 = \underline{\quad}$

Dlala ngokudibanisa nokuthabatha

Play with addition and subtraction

IZIBALO
ZENTLOKO
MENTAL MATHS

UMDLALO
OTHI SALUTA
SALUTE GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

IPHEPHA
LOKUSEBENZELA
WORKSHEET

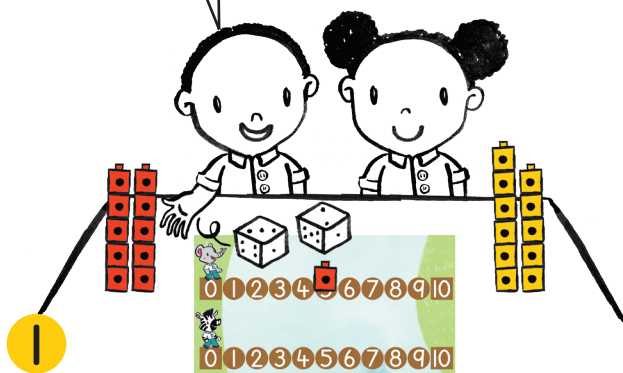
Umdlalo: Gquma amatye okunyathela

Game: Cover the stepping stones

Phosa amadayisi ama-2. Khetha ukuba ufuna ukudibanisa okanye ukuthabatha uze ubeke ibloko phezu kwelitye elineso siphumo. U-6 linani lethamsanqa – ukuba uphosa u-6 ungenza neliphi inani olithandayo.

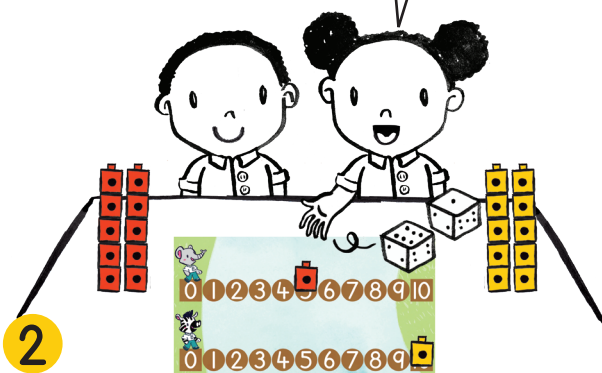
Roll 2 dice. Decide whether you want to add or subtract and then put a block on the stepping stone with that answer. 6 is a lucky number – if you roll a 6 you can make it any number you want.

Ndiza kudibanisa.
U-3 odibene no-2 benza u-5.
I am going to add.
3 plus 2 equals 5.

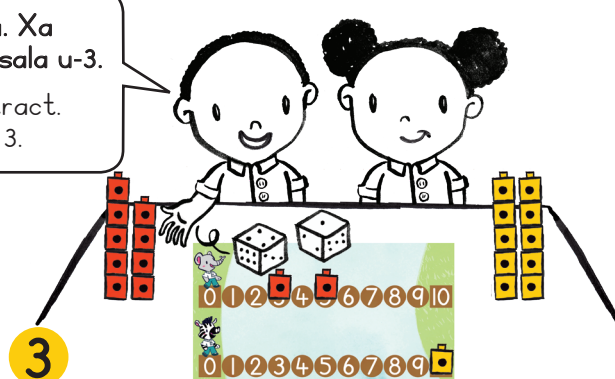


Yee! Ndifumene inani lethamsanqa u-6. Ndiza kwenza u-9 ndidibanise. U-9 odibene no-1 benza u-10.

Yay! I got the lucky number 6.
I am going to make it 9 and add.
9 plus 1 equals 10.



Ndiza kuthabatha. Xa uthabatha u-1 ku-4 kusala u-3.
I am going to subtract.
4 minus 1 equals 3.



Umntu wokuqala owagqume onke amatye nguye ophumeleleyo.
The first person to cover all their stones is the winner.

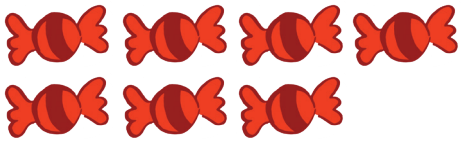
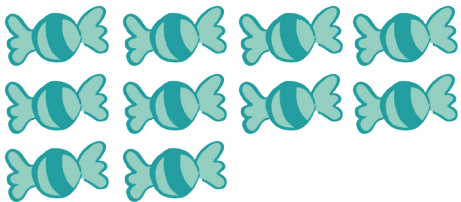
1 Fakela amanani angekhoyo.

Fill in the missing numbers.

$5 - 3 = \underline{\quad}$	$2 + 3 = \underline{\quad}$	$2 + \underline{\quad} = 5$	$4 + 2 = \underline{\quad}$
$6 - 4 = \underline{\quad}$	$\underline{\quad} + 3 = 5$	$4 + 3 = \underline{\quad}$	$7 - 4 = \underline{\quad}$
$5 - 2 = \underline{\quad}$	$4 + \underline{\quad} = 7$	$7 - 3 = \underline{\quad}$	$2 + 8 = \underline{\quad}$
$4 + \underline{\quad} = 8$	$\underline{\quad} + 4 = 8$	$9 - 3 = \underline{\quad}$	$5 + 0 = \underline{\quad}$

2 Bhala isivakalisi manani uze usombulule ingxaki.

Write the **number sentence** and solve the problem.

Ndineelekeke ezisi-8. I have 8 sweets. 	Nditye iilekese ezisi-8. Zingaphi iilekese ezishiyelekileyo? I eat 8 sweets. How many are left?	 $\underline{8} - \underline{8} = \underline{0}$
Ndineelekeke ezisi-7. I have 7 sweets. 	Umakhulu wam undiphe ezi-3 ngaphezulu. Zingaphi endinazo ngoku? My granny gives me 3 more sweets. How many do I have?	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
Ndineelekeke ezili-10. I have 10 sweets. 	Udade wethu unezi-3 ngaphantsi kunezam. Zingaphi iilekese anazo udade? My sister has 3 less sweets than me. How many does my sister have?	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
Ndineelekeke ezisi-7. I have 7 sweets. 	Umnakwethu unezi-2 ngaphezulu kunezam. Zingaphi iilekese anazo umnakwethu? My brother has 2 more sweets than me. How many does my brother have?	$\underline{\quad} + \underline{\quad} = \underline{\quad}$

IZIBALO
ZENTLOKO
MENTAL MATHS

UMDLALO
OTHI SALUTA
SALUTE GAME

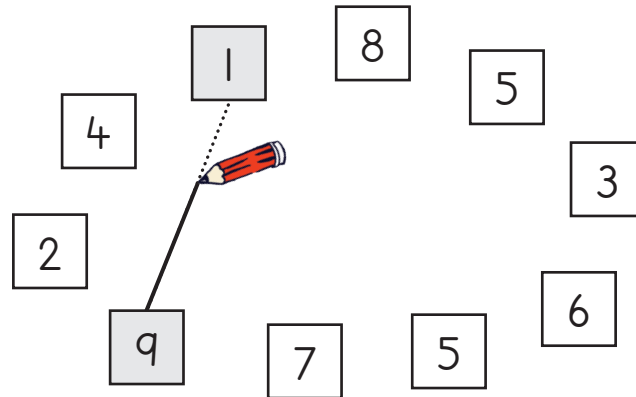
UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Yeza zibe li-10 ngokukrwela umgca odibanisa amanani.

Make 10 by drawing a line to add numbers.



2 Sombulula ezi ngxaki uze ubhale izivakalisi manani.

Solve the problems and write the number sentences.



Kukho iintlanzi eziblowu ezi-5
nezingwevu ezi-4 edamini. Zingaphi
iintlanzi ezikhoyo zidibene?

There are 5 blue fish and 4 grey fish in a pond. How many fish
are there **altogether**?

$$\underline{5} + \underline{4} = \underline{9}$$



Ndinama-apile ali-10. Nditye ama-5.
Mangaphi aseleyo?

I have 10 apples. I eat 5. How many are left?

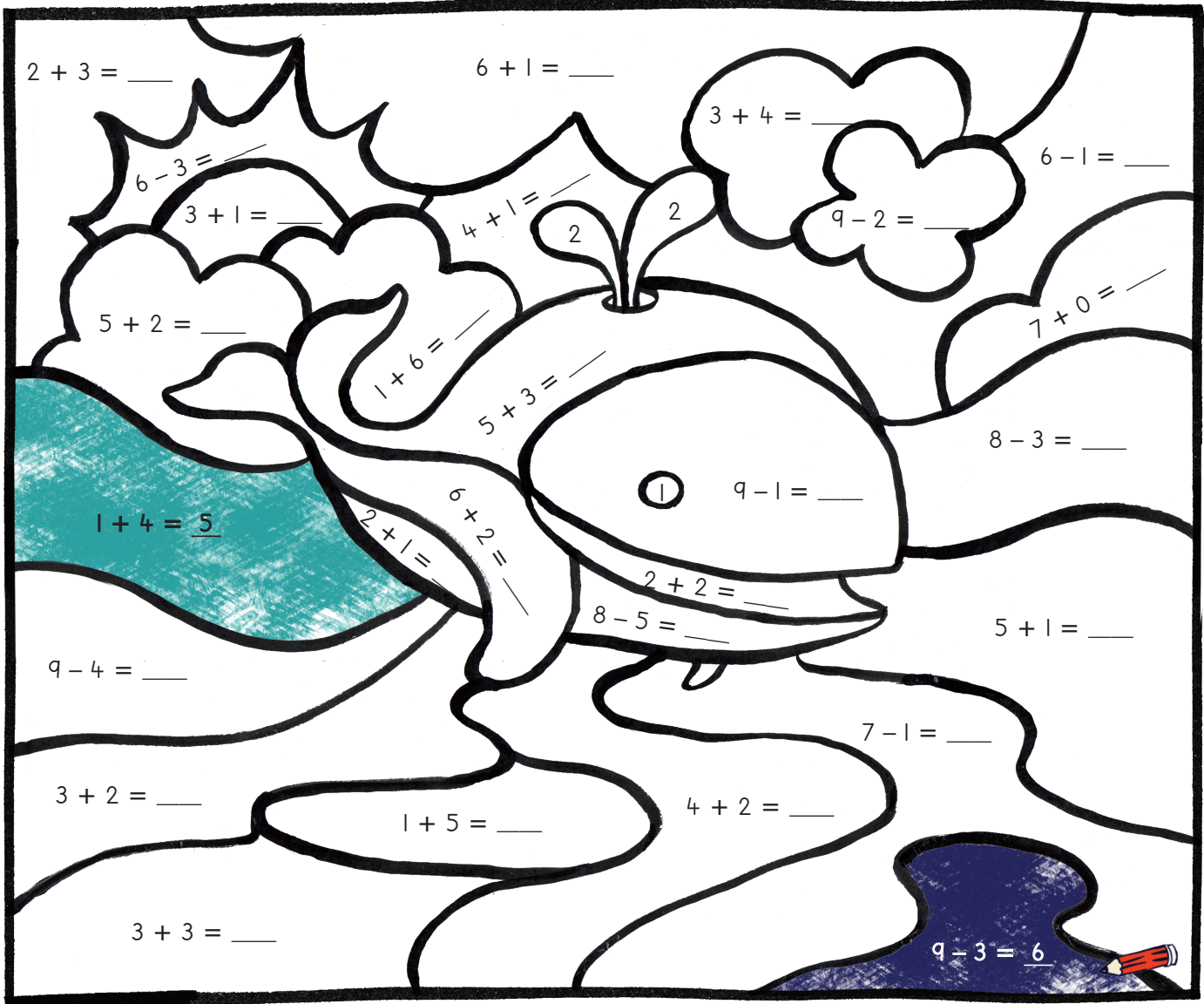


Ndineelelese ezisebhegini
neelelese ezi-2 esandleni
sam. Ndineelelese ezisi-8
xa zidibene. Zingaphi
iilekese ezisebhegini?

I have some sweets in a bag and 2
sweets in my hand. Altogether I have 8
sweets. How many sweets are in the bag?

3 Sombulula uze ufakele umbala.

Solve and colour.



1 imnyama/black

2 iluhlaza/green

3 iorenji/orange

4 ibomvu/red

5 ublowu okhanyayo/light blue

6 ublowu omnyama/dark blue

7 imhlophe/white

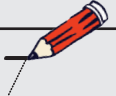
8 imsobo/purple

- 1 Yakha usapho lwezivakalisi manani kumfanekiso ngamnye.
Create a family of **number sentences** for each of the pictures.

	$\underline{5} + \underline{4} = \underline{9}$ $\underline{9} - \underline{5} = \underline{4}$	$\underline{4} + \underline{5} = \underline{9}$ $\underline{9} - \underline{4} = \underline{5}$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$

2 Gqibezela ngokudibanisa okanye ngokuthabatha.

Complete using addition or subtraction.

9	
2	

6	
	3

10	
8	

2	5

5	5

4	6

3	5

8	
	1

9	
4	

3 Khetha amanani amabini enza i-10. Bhala la manani kwizangqa ukuze ugqibezele izivakalisi manani.

Choose two numbers that make 10. Write the numbers in the circles to complete the number sentence.

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

 $2 + 8 = 10$

$\bigcirc + \bigcirc = 10$

$\bigcirc + \bigcirc = 10$

$\bigcirc + \bigcirc = 10$

4 Khetha inani eli-1. Bhala eli nani kwizangqa uze ulithabathe ku-10 ufumane isiphumo.

Choose 1 number. Write the number in the circle and subtract from 10 to find the answer.

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

 $10 - 6 = 4$

$10 - \bigcirc = \underline{\quad}$

$10 - \bigcirc = \underline{\quad}$

$10 - \bigcirc = \underline{\quad}$

IZIBALO
ZENTLOKO
MENTAL MATHS

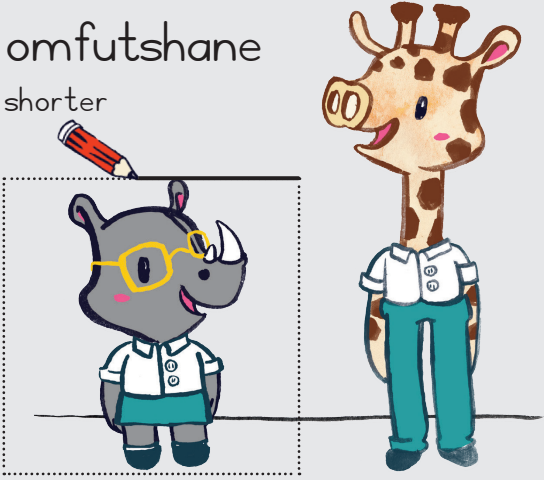
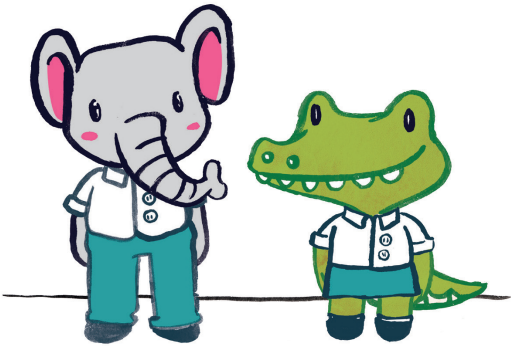
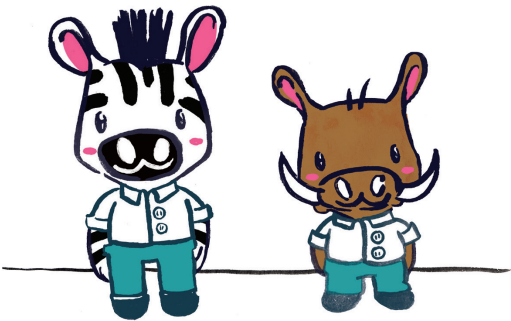
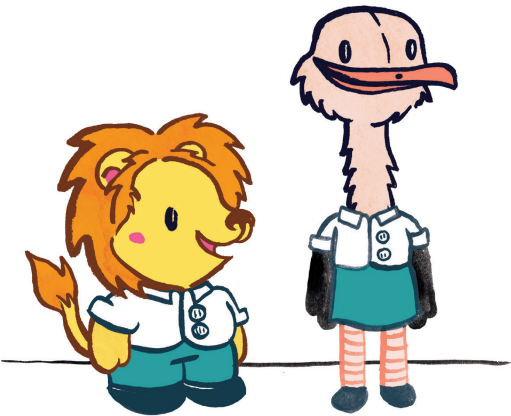
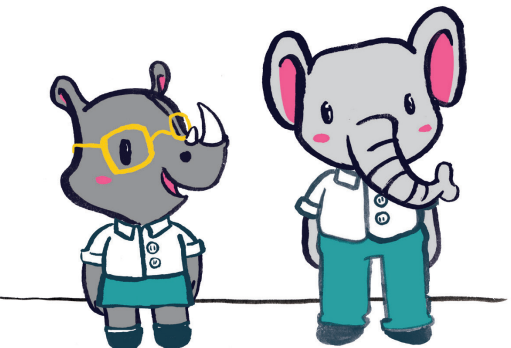
AKWABA
BENDINE
I WISH I HAD

UPHULISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

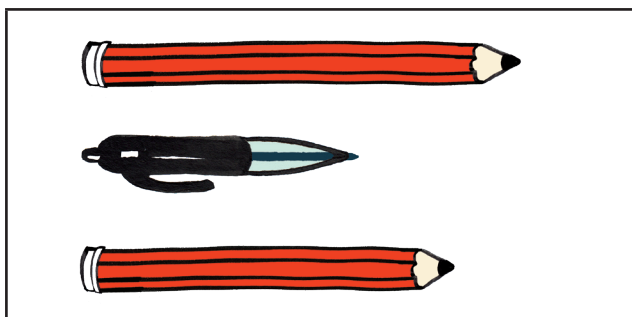
AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

I Zoba isikwere sijikeleze umhlobo omfutshane.
Draw a square around the **shorter** friend.

omfutshane shorter 	
	
	

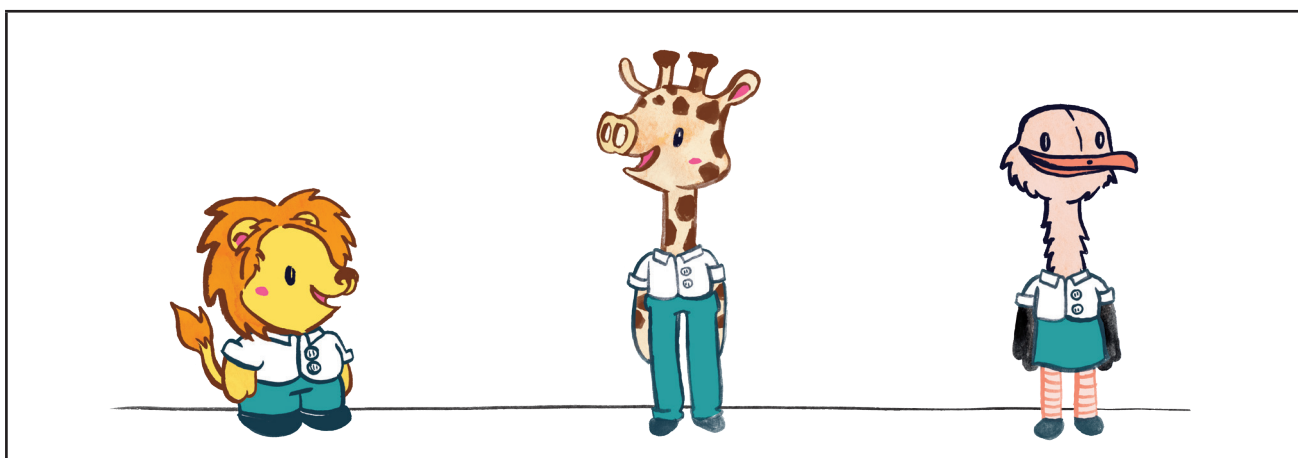
- 2 Zoba inkwenkwezi ecaleni kweyona nto imfutshane.
Biyela ngesangqa eyona nto inde.

Draw a star next to the **shortest** object. Circle the **longest** object.



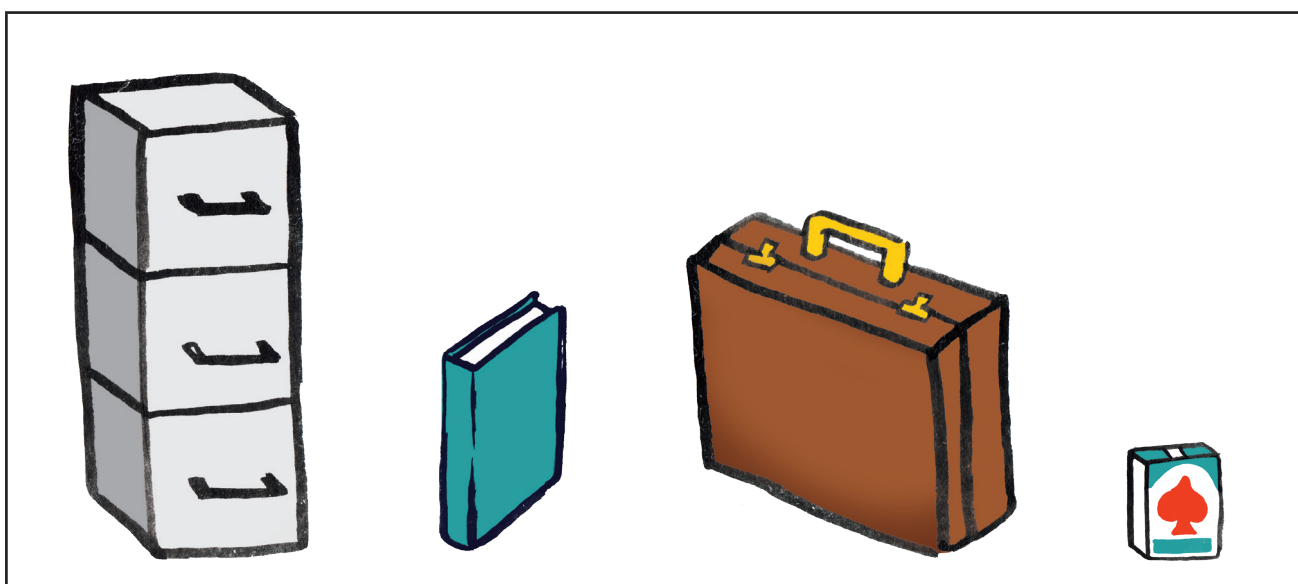
- 3 Zoba inkwenkwezi ecaleni kwesona silwanyana sifutshane.
Biyela ngesangqa esona silwanyana side.

Draw a star next to the **shortest** animal. Circle the **tallest** animal.



- 4 Zoba inkwenkwezi ecaleni kweyona nto imfutshane.
Biyela ngesangqa eyona nto inde.

Draw a star next to the **shortest** object. Circle the **tallest** object.



Ukuthalekisa ubude

Comparing lengths

IZIBALO
ZENTLOKO
MENTAL MATHS

AKWABA
BENDINE
I WISH I HAD

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Biyela ngesangqa owona mtya mfutshane.
Circle the **shortest** string.

2 Nombola imitya uqale kowona mfutshane uye kowona mde.
Number the strings from **shortest** to **longest**.

2

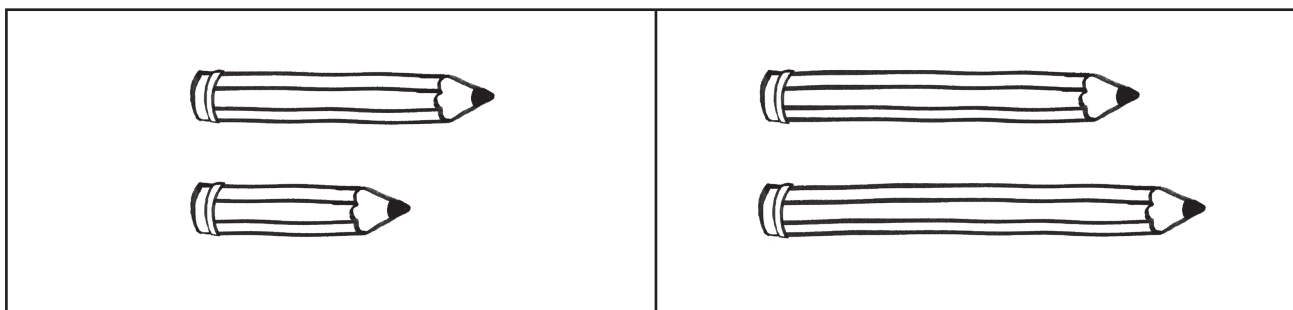
5

1

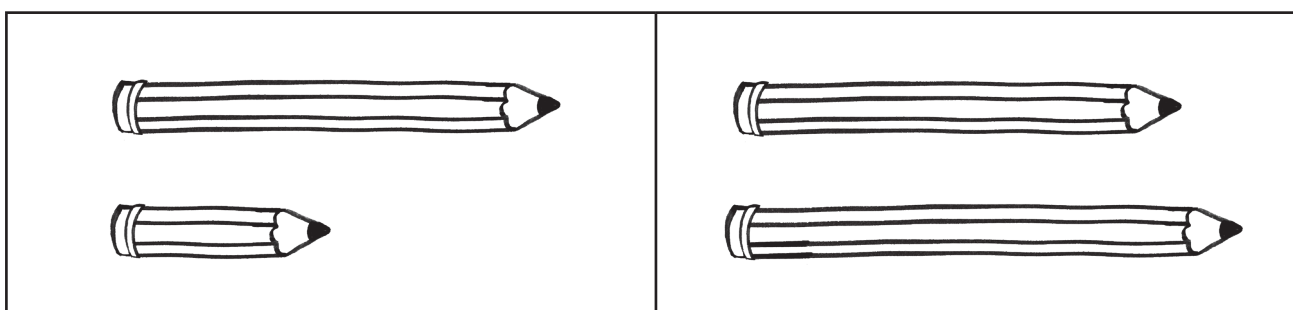
3

4

- 4 Biyela ngesangqa ipenisile emfutshane kunenye.
Circle the **shorter** pencil.



- 5 Biyela ipenisile ende kunenye.
Circle the **longer** pencil.



- 6 Krwela imigca emine uqale ngowona mde uye kowona mfutshane.
Draw 4 lines from **longest** to **shortest**.

Oyena mde Longest			Oyena mfutshane Shortest

IZIBALO
ZENTLOKO
MENTAL MATHS

AKWABA
BENDINE
I WISH I HAD

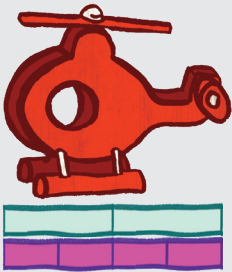
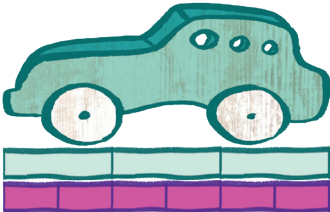
UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Inde kangakanani? Yintoni umahluko?

How long? What is the difference?

	Iibloko eziblowu ezi- <u>2</u> 2 blue blocks Iibloko ezimsobo ezi- <u>4</u> 4 purple blocks
	Iibloko eziblowu ezi- ____ ____ blue blocks Iibloko ezimsobo ezi- ____ ____ purple blocks
	Iibloko eziblowu ezi- ____ ____ blue blocks Iibloko ezimsobo ezi- ____ ____ purple blocks

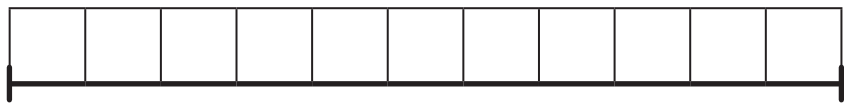
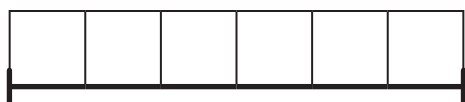
2 Inde kangaknani?

How long?

	Iibloko ezi- ____ ____ blocks
	Iibloko ezi- ____ ____ blocks
	Iibloko ezi- ____ ____ blocks
	Iibloko ezi- ____ ____ blocks

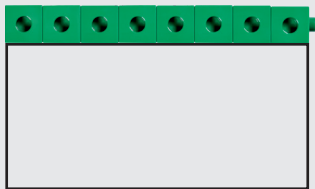
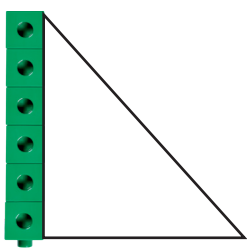
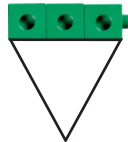
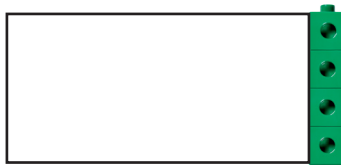
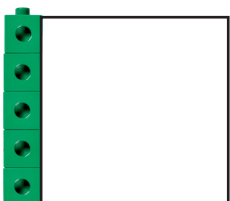
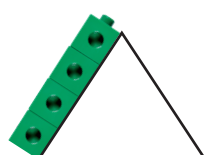
3 Lo mgca mde kangangeebloko ezingaphi?

How many blocks **long** is each line?

	_____
	_____
	_____

4 Inde kangakanani? Sebenzisa iibloko.

How long? Count the blocks.

	 Iibloko ezi- _____ 8 blocks
	Iibloko ezi- _____ _____ blocks
	Iibloko ezi- _____ _____ blocks
	Iibloko ezi- _____ _____ blocks
	Iibloko ezi- _____ _____ blocks
	Iibloko ezi- _____ _____ blocks

Ukulinganisela ubude

Measuring length

IZIBALO
ZENTLOKO
MENTAL MATHS

AKWABA
BENDINE
I WISH I HAD

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

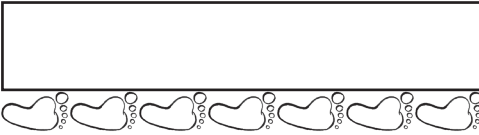
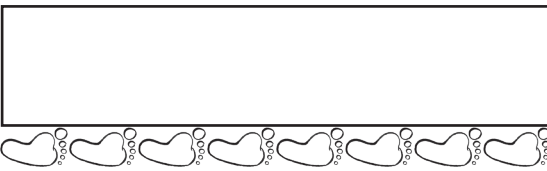
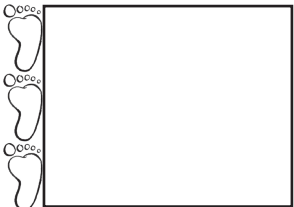
AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

- 1 Umgca ngamnye mde kangangezandla ezingaphi?
How many hands **long** is each line?

- 2 Biyela ngesangqa owona mgca mde.
Circle the **longest** line.

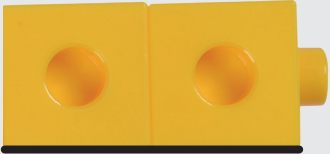
	
	
	
	

- 3 Icala ngalinye lide kangangeenyawo ezingaphi?
How many feet **long** is each side?

	Iinyawo ezi-____ ____ feet
	Iinyawo ezi-____ ____ feet
	Iinyawo ezi-____ ____ feet
	Iinyawo ezi-____ ____ feet

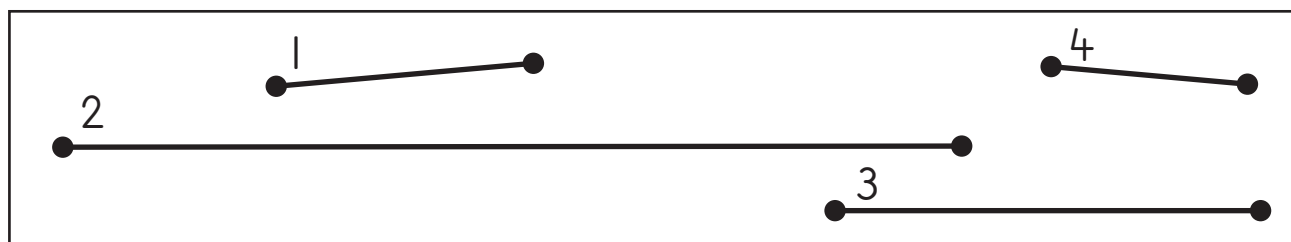
4 Sebenzisa iibloko zakho ulinganisele le migca.

Use your blocks to measure these lines.

	Iibloko ezi- <u>2</u> 2 blocks
	Iibloko ezi- ____ ____ blocks
	Iibloko ezi- ____ ____ blocks
	Iibloko e- ____ ____ block
	Iibloko ezi- ____ ____ blocks
	Iibloko ezi- ____ ____ blocks

5 Phendula le mibuzo.

Answer the questions.



	Bhala inani. Write the number.
Ngowuphi owona mgca mde? Which line is the longest ?	
Ngowuphi owona mgca mfutshane? Which line is the shortest ?	

IPHEPHA LOKUSEBENZELA
WORKSHEET

IPHEPHA LOKUSEBENZELA
WORKSHEET

- 1 Nombola imitya uqale kowona mfutshane uye kowona mde.
Number the strings from **shortest** to **longest**.
- 2 Biyela ngesangqa owona mtya mfutshane.
Circle the **shortest** string.

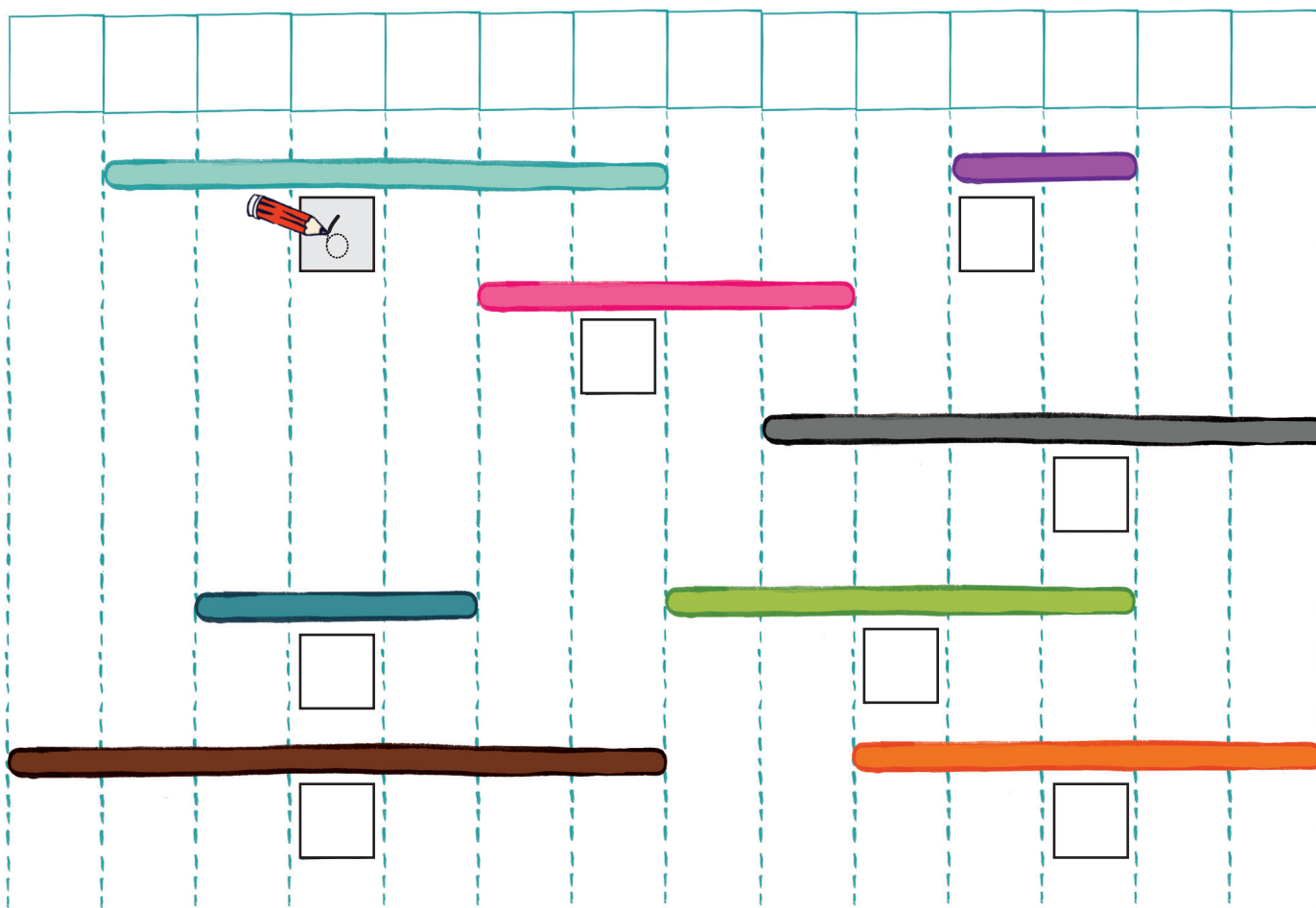
☐	
☐	
☐	
☐	
☐	

- 3 Krwela imigca emi-4 uqale ngowona umfutshane uye kowona umde.
Draw 4 lines from **shortest** to **longest**.

Oyena mfutshane Shortest				Oyena mde Longest

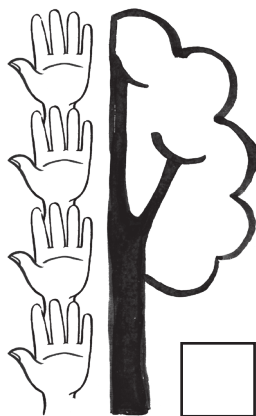
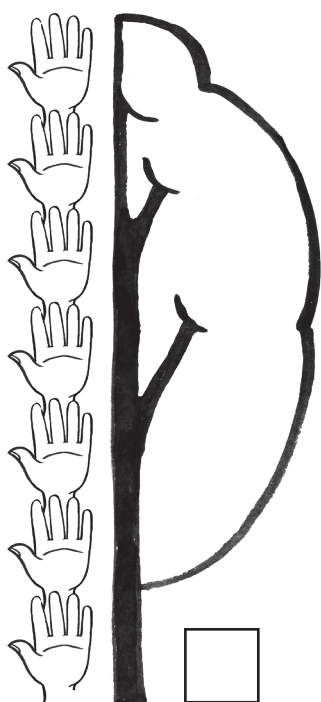
4 Ingaba ezi ribhoni zinde kangangezikwere ezingaphi?

How many squares long is each ribbon?



5 Imithi mide kangangezandla ezingaphi?

How many hands tall are the trees?



IZIBALO
ZENTLOKO
MENTAL MATHS

FIZZ POP - IIBHONDI
ZAMANANI UKUYA KU-10-
FIZZ POP - BONDS UP TO 10

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

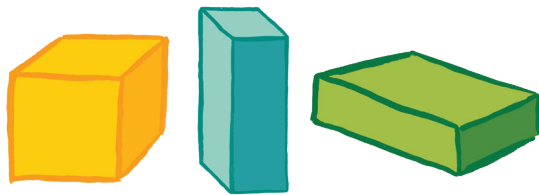
AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Treyisa la magama.

Trace the words.

ibhokisi box

ibhola ball

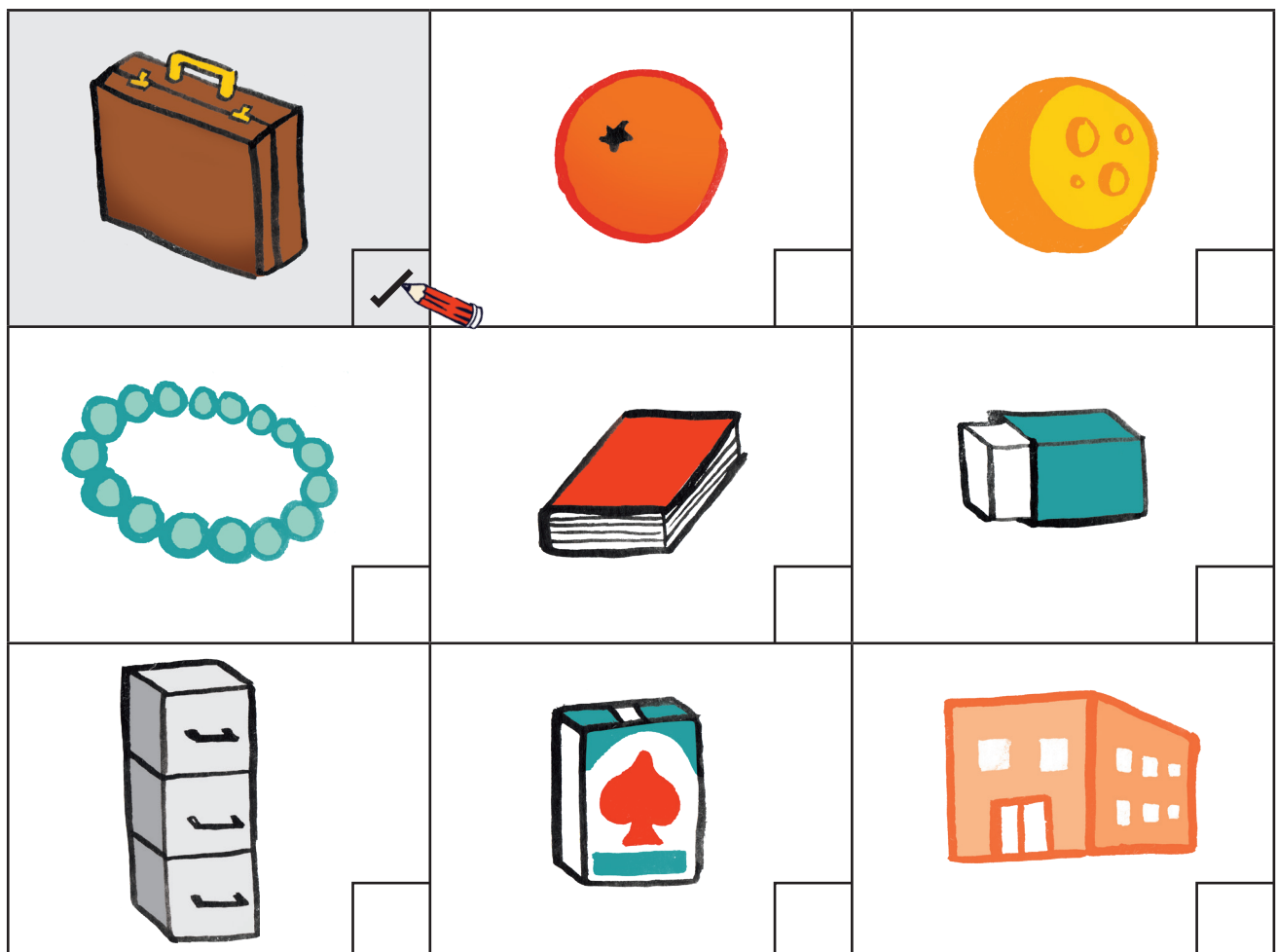


2 Phawula nge-✓ ecaleni kwemifanekiso efana neebhokisi.

Put a ✓ next to the pictures that look like boxes.

Phawula ngo-✗ ecaleni kwemifanekiso efana neebhola.

Put a ✗ next to the pictures that look like balls.



3 Zingaphi iibhola? ____

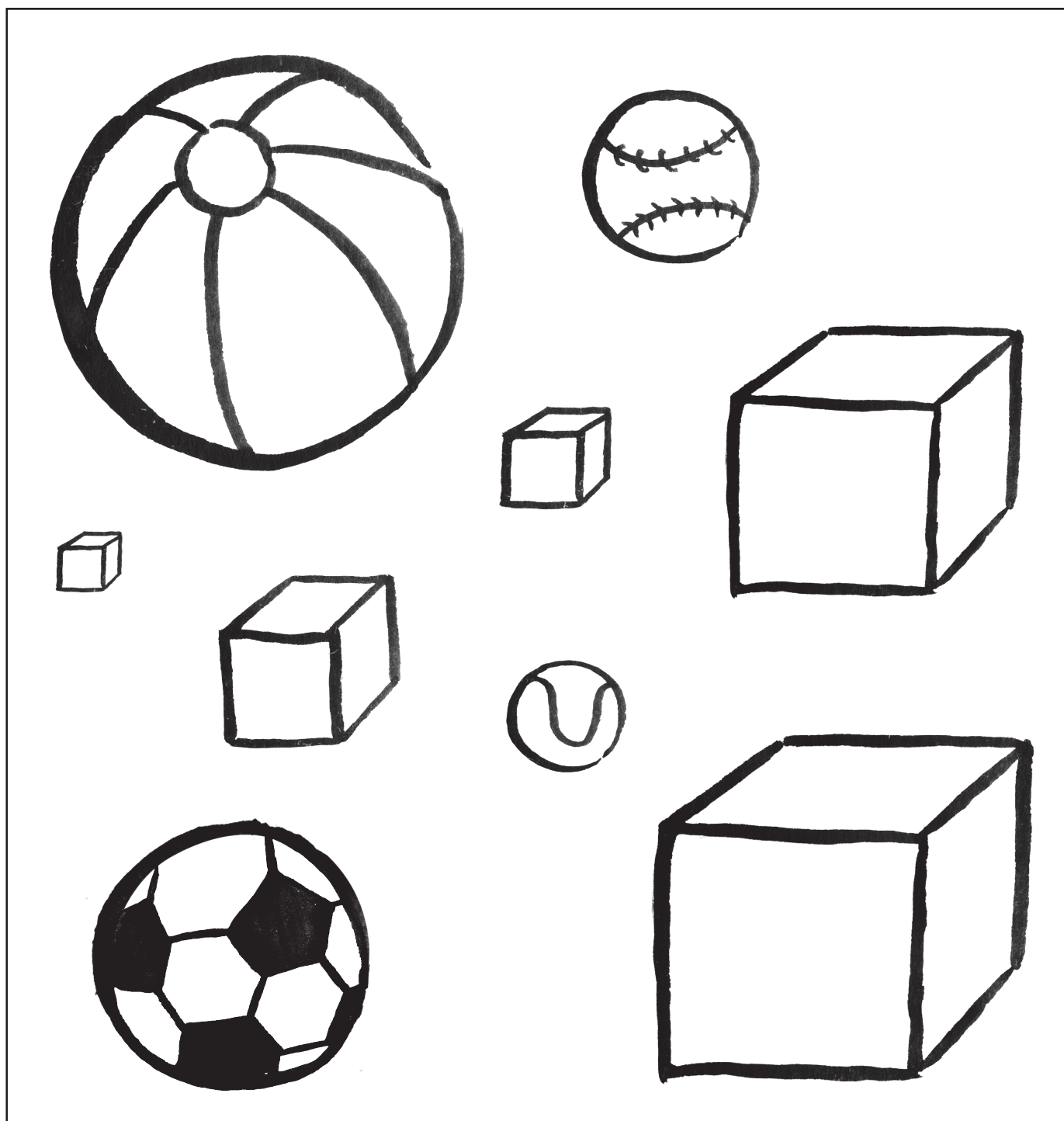
How many balls?

Zingaphi iibhokisi? ____

How many boxes?

Zeziphi ezininzi, ziibhola okanye ziibhokisi?

Are there **more** balls or **more** boxes?



IZIBALO
ZENTLOKO
MENTAL MATHS

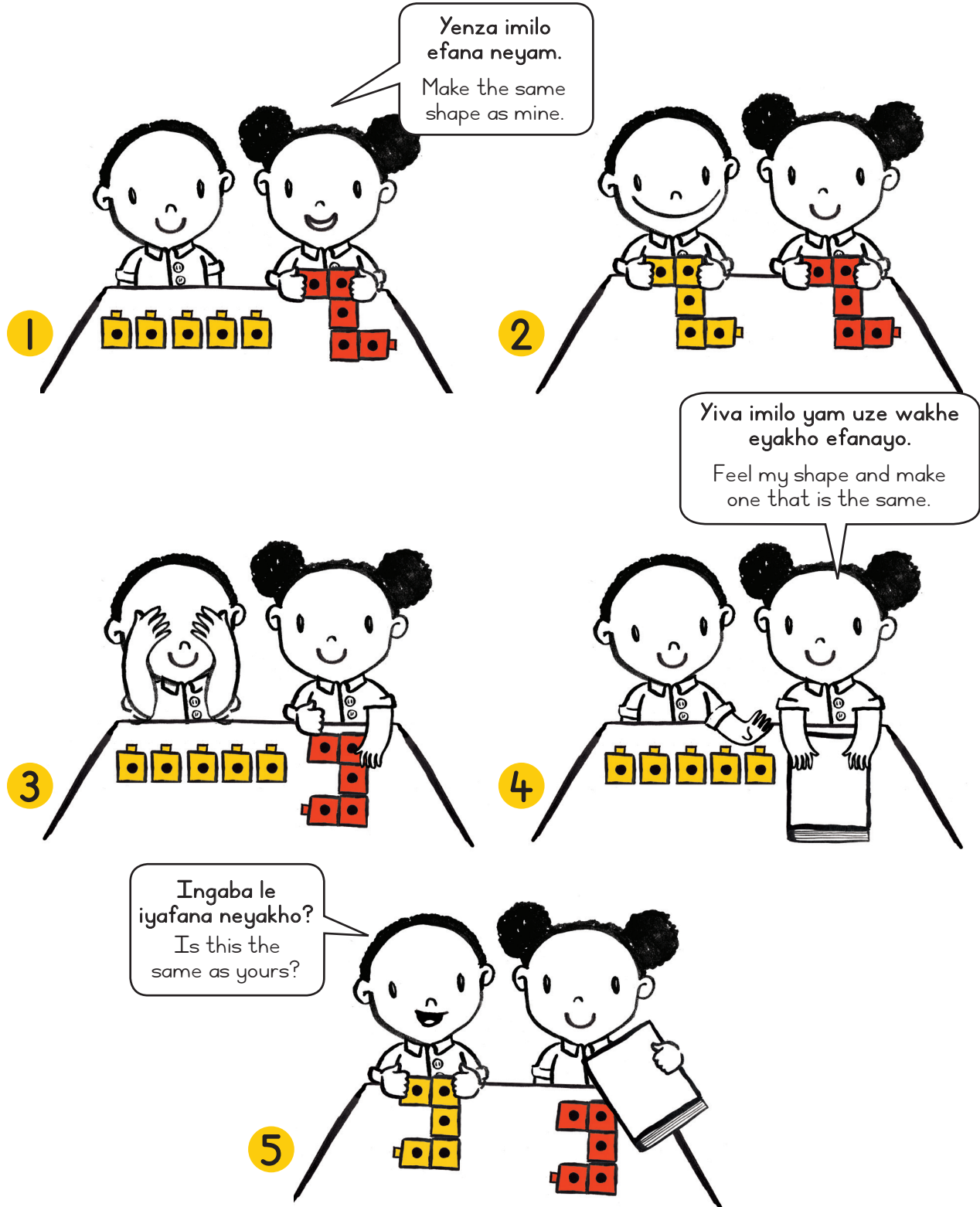
FIZZ POP - IIBHONDI
ZAMANANI UKUYA KU-10-
FIZZ POP - BONDS UP TO 10

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

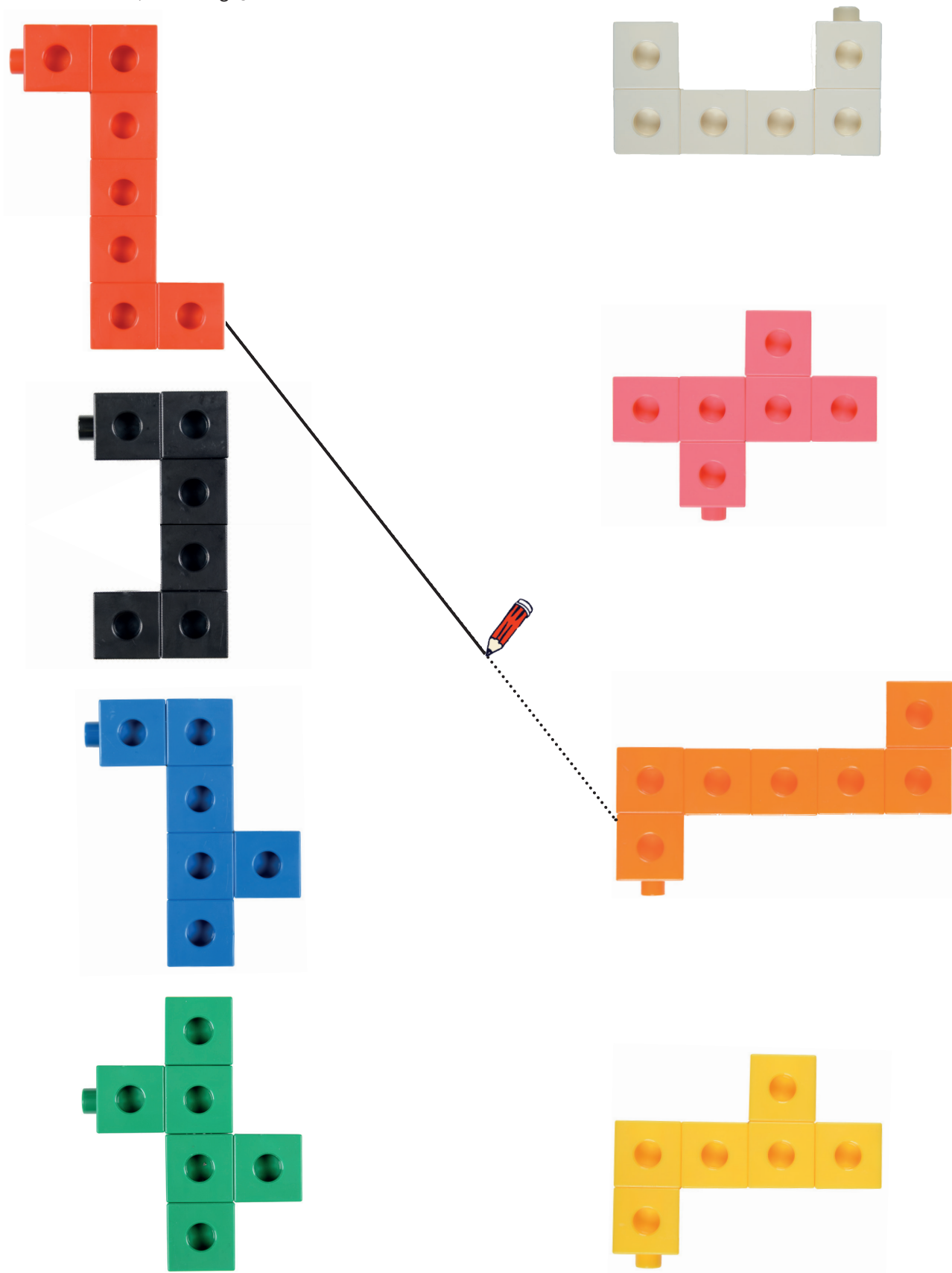
UMDLALO
GAME

IPHEPHA
LOKUSEBENZELA
WORKSHEET

Umdlalo: Kopa imilo yam
Game: Copy my shape



1 Yenza iimilo ngeebloko zakho.
Make the shapes using your blocks.



2 Tshatisa iimilo ezifanayo.
Match the shapes that are the same.

lipatheni zejometri

Geometric patterns

IZIBALO
ZENTLOKO
MENTAL MATHS

FIZZ POP - IIBHONDI
ZAMANANI UKUYA KU-10-
FIZZ POP - BONDS UP TO 10

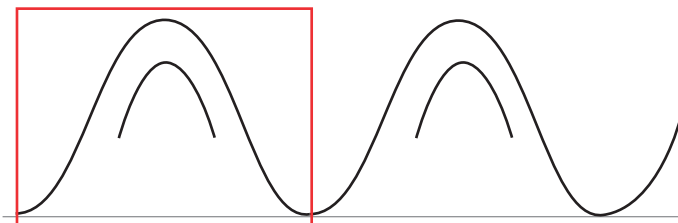
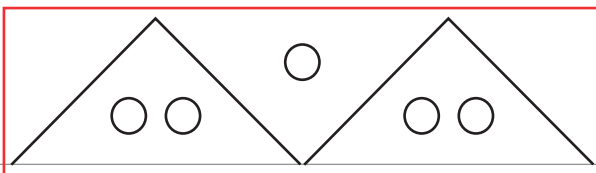
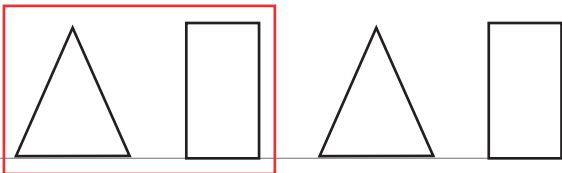
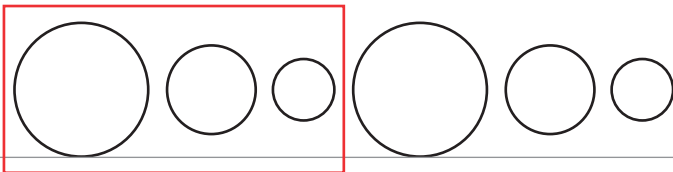
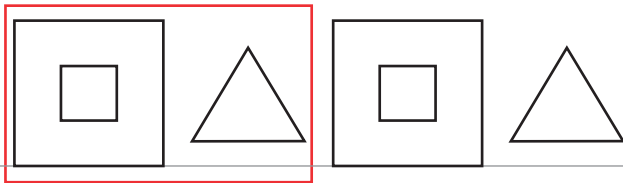
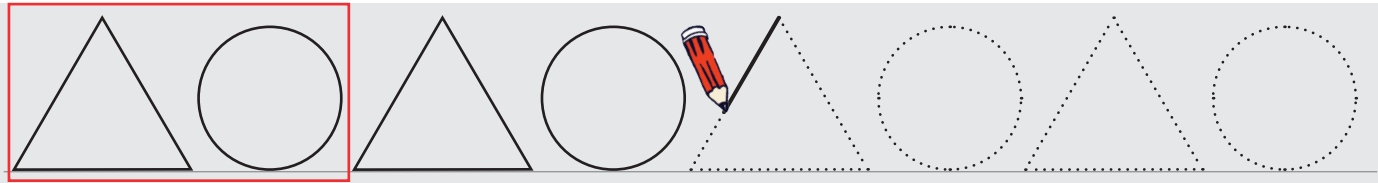
UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

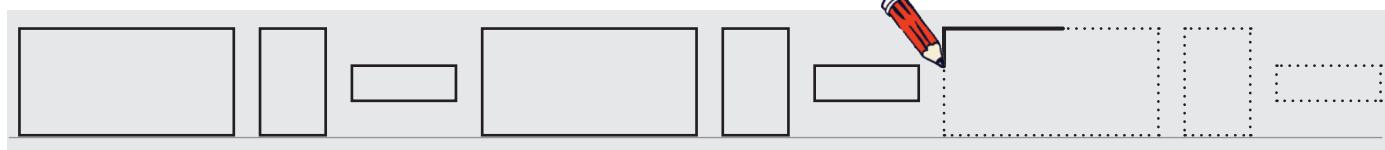
I Yandisa iipatheni.

Extend the patterns.



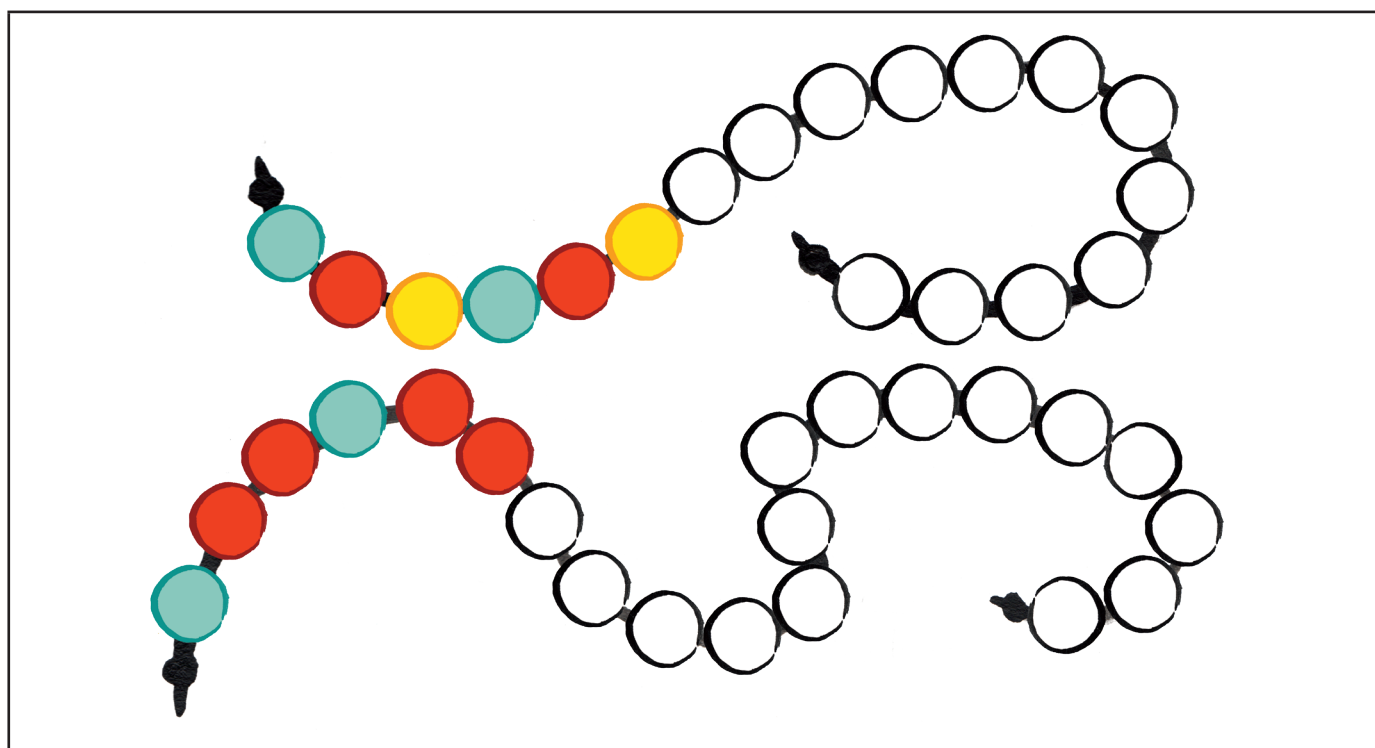
2 Yandisa iipatheni.

Extend the patterns.



3 Yandisa iipatheni.

Extend the patterns.



lipatheni zejometri

Geometric patterns

IZIBALO
ZENTLOKO
MENTAL MATHS

FIZZ POP - IIBHONDI
ZAMANANI UKUYA KU-10-
FIZZ POP - BONDS UP TO 10

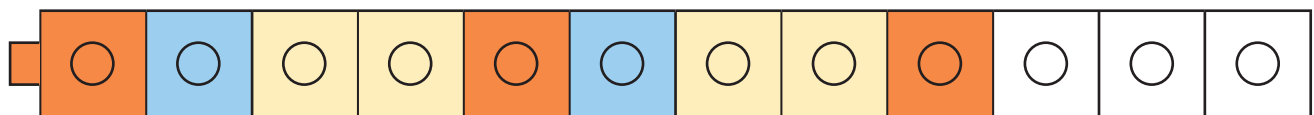
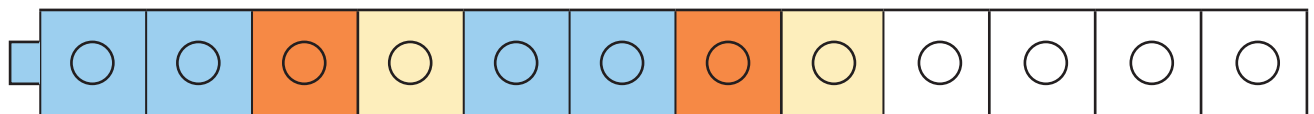
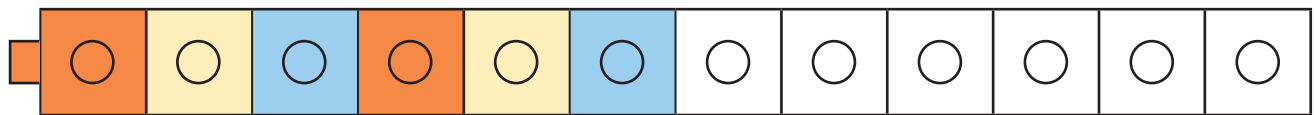
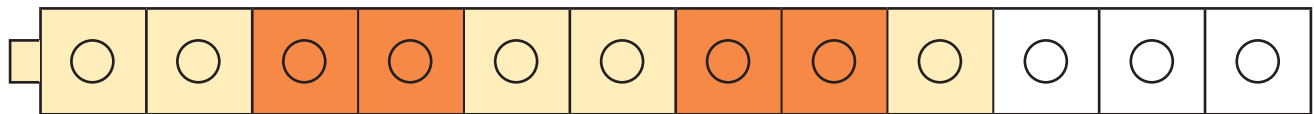
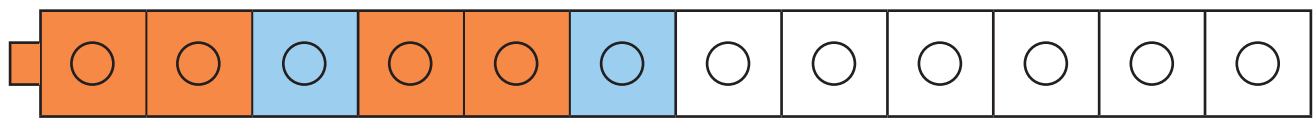
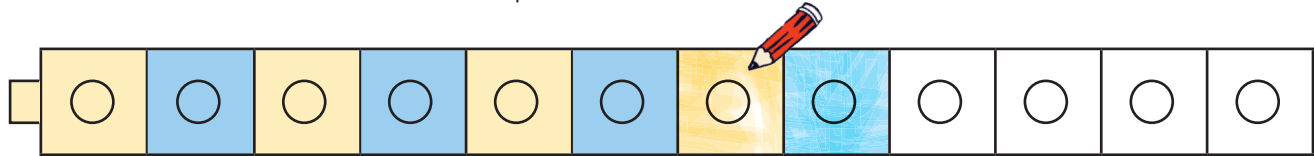
UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Fakela umbala kwezi bloko ukuze uqhube neepatheni.

Colour in the blocks to continue the patterns.

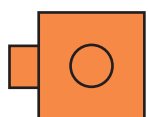


2 Yenza ipatheni yokuqhwaba, ukungqisha nokunkqakraza kwiteryini nganye kwezi zingentla.

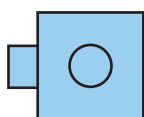
Make the clapping, stamping, tapping pattern for each of the trains above.

Inkcazo

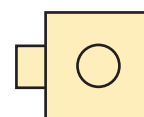
Key



qhwaba
clap



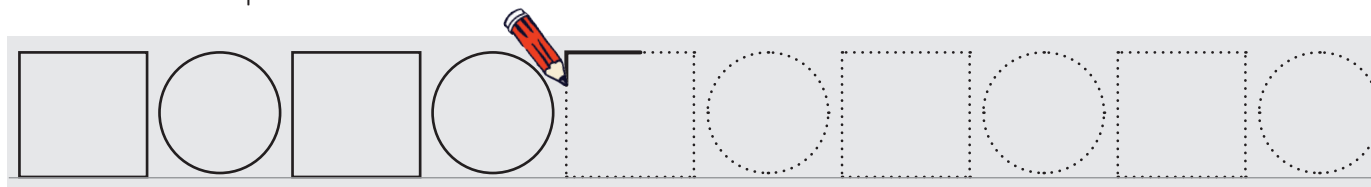
ngqisha
stamp



nkqakraza
tap

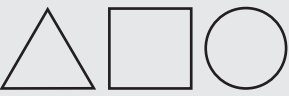
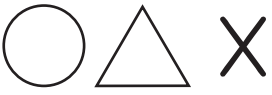
3 Yandisa iipatheni.

Extend the patterns.



4 Yenza ezakho iipatheni usebenzise iimilo ozinikiweyo.

Draw your own patterns using the given shapes.

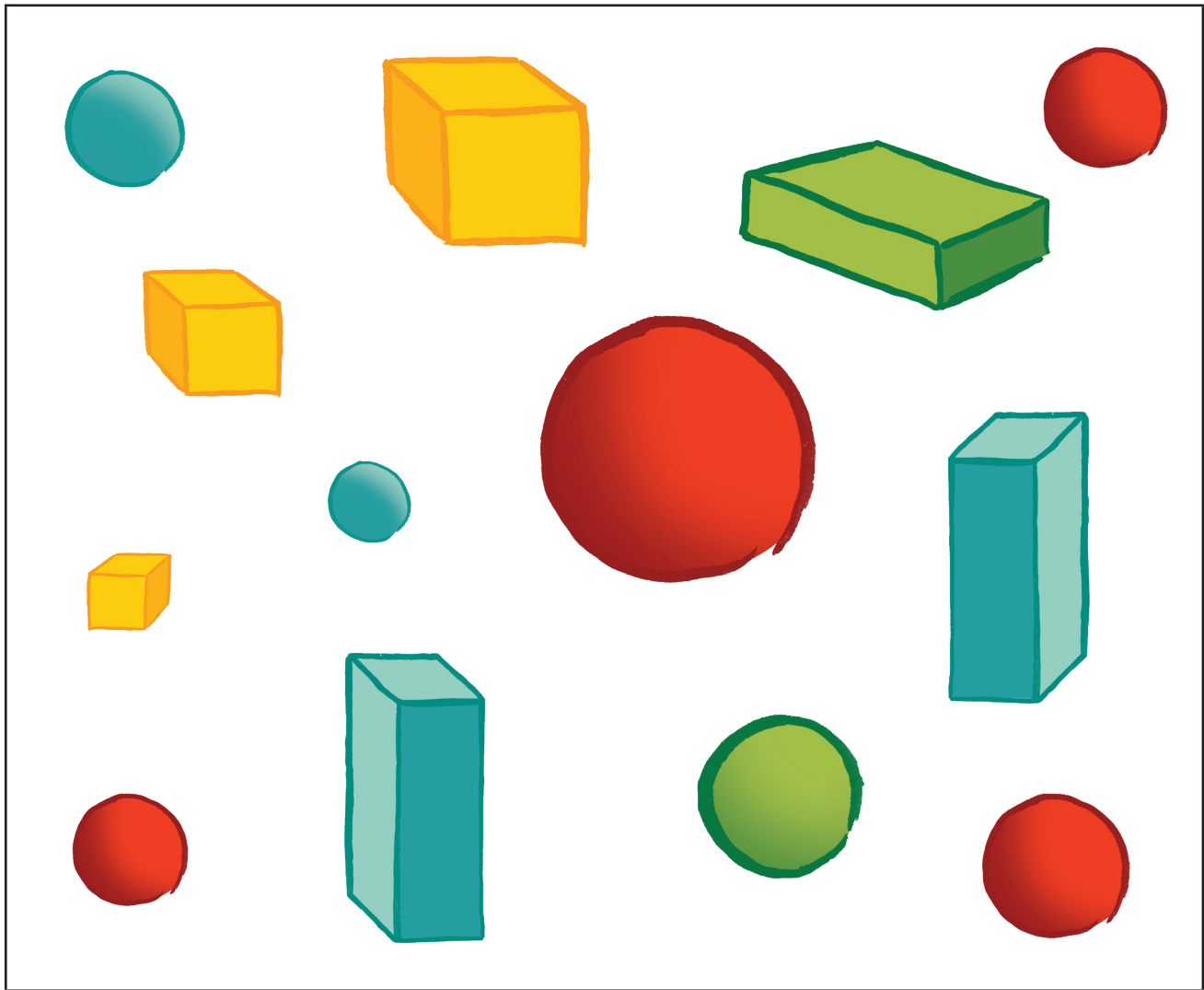
IPHEPHA LOKUSEBENZELA
WORKSHEET

IPHEPHA LOKUSEBENZELA
WORKSHEET

1 Bala iimilo.

Count the shapes.

iibhola		iibhokisi	
balls		boxes	



2 Biyela eyona bhola inkulu.

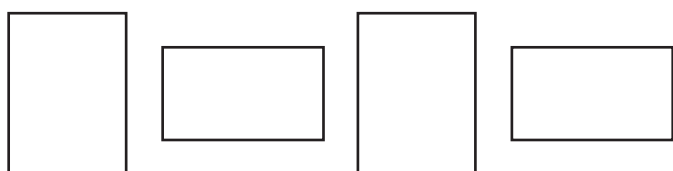
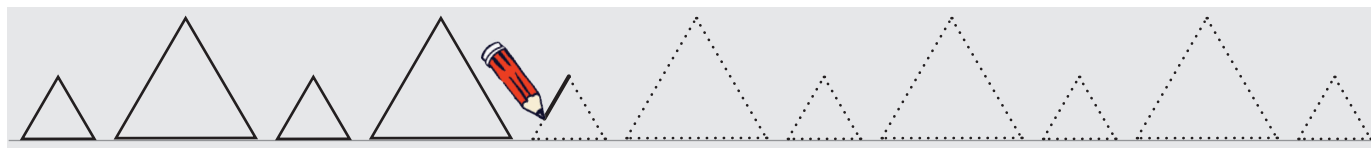
Circle the **biggest** ball.

3 Biyela eyona bhokisi incinci.

Circle the **smallest** box.

4 Yandisa iipatheni.

Extend the patterns.



Ukwakha ngezinto ezi-3D Building with 3-D objects

IZIBALO
ZENTLOKO
MENTAL MATHS

UMDLALO
OTHI SALUTA
SALUTE GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

I Thetha ngeemilo eziziibhola neemilo eziziibhokisi.

Talk about ball shapes and box shapes.

- Zeziphi ezinkulu?
Which are big?
- Zeziphi eziziibhola?
Which are balls?
- Zinemibala enjani?
What colour are they?
- Zeziphi ezincinci?
Which are small?
- Zeziphi eziziibhokisi?
Which are boxes?



2 Zoba ibhola.

Draw a ball.



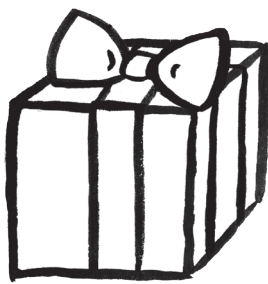
3 Zoba ibhokisi.

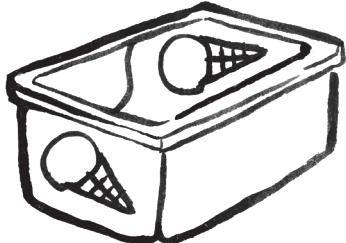
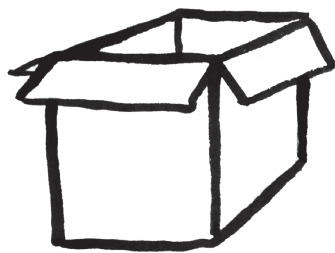
Draw a box.



4 Tikisha ibloko ubonise ukuba yibhola na okanye yibhokisi.

Tick the block to show if the object is a ball or a box.

		
ibhola ☒  ibhokisi ☐ ball ☒ box ☐	ibhola ☐  ibhokisi ☐ ball ☐ box ☐	ibhola ☐  ibhokisi ☐ ball ☐ box ☐

		
ibhola ☐  ibhokisi ☐ ball ☐ box ☐	ibhola ☐  ibhokisi ☐ ball ☐ box ☐	ibhola ☐  ibhokisi ☐ ball ☐ box ☐

Ukwakha iincochoyi

Building towers

IZIBALO
ZENTLOKO
MENTAL MATHS

UMDLALO
OTHI SALUTA
SALUTE GAME

UPHULISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

- 1 Ingaba incochoyi iza kuma? Tikisha ibloko echanekileyo.
Will the tower stand? Tick the correct block.

Ewe Yes ☒	Hayi No ☐	Ewe Yes ☐	Hayi No ☐

- 2 Ungakwazi ukwakha incochoyi ngazo zonke ezi zinto?
Bhala ewe okanye hayi.
Can you build a tower with all these objects? Write yes or no.

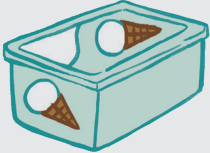
			Hayi/No

- 3 Ungakwazi ukwakha incochoyi ngezi zinto zilandelayo?
Tikisha ibloko echanekileyo.
Can you build a tower with all of the following objects? Tick the correct block.

Ewe Yes ☐	Hayi No ☐	Ewe Yes ☐

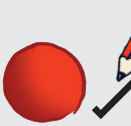
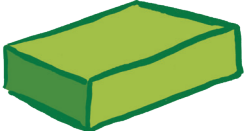
4 Ingaba ezi milo zinamacala amcaba okanye agobileyo?
Tikisha kwibloko echanekileyo.

Do these shapes have flat or curved sides? Tick the correct block.

	amacala amcaba flat sides ☒	amacala agobileyo curved sides ☐
	amacala amcaba flat sides ☐	amacala agobileyo curved sides ☐
	amacala amcaba flat sides ☐	amacala agobileyo curved sides ☐
	amacala amcaba flat sides ☐	amacala agobileyo curved sides ☐

5 Tikisha engafaniyo nezinye.

Tick the odd one out.

Ukutyibilika nokuqengqeleka

Slide and roll

IZIBALO
ZENTLOKO
MENTAL MATHS

UMDLALO
OTHI SALUTA
SALUTE GAME

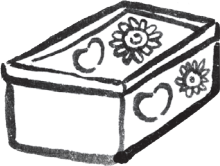
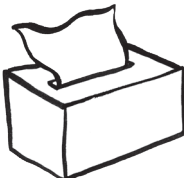
UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

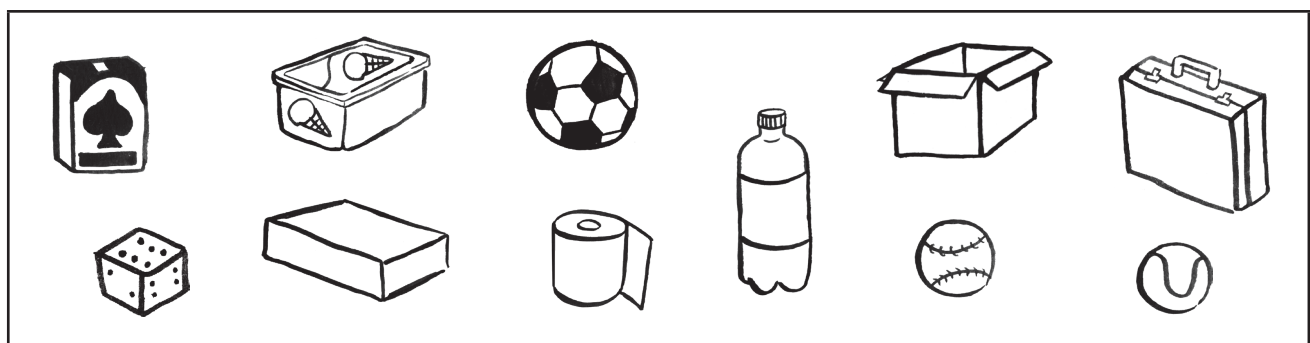
1 Ingaba ezi zinto ziza kutyibilika okanye ziza kuqengqeleka?
Tikisha kwimpendulo echanekileyo.

Will these objects slide or roll? Tick the correct answer.

	iyatyibilika slide ☐	iyaqengqeleka roll ☒
	iyatyibilika slide ☐	iyaqengqeleka roll ☐
	iyatyibilika slide ☐	iyaqengqeleka roll ☐
	iyatyibilika slide ☐	iyaqengqeleka roll ☐
	iyatyibilika slide ☐	iyaqengqeleka roll ☐

2 Tikisha izinto ezityibilikayo.

Tick the objects that can slide.



Umdlalo: Iyatyibilika okanye iyaqengqeleka? Game: Slide or roll?

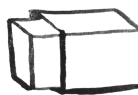


Abadlali baza kuqhubeka bekhetha izinto bade baphelelwe kukucinga bangabi nanto bayibizayo. Lo mdlalo uyaphela xa omnye umdlali engakwazi ukucinga ngezinye izinto. Abafundi bangadlala lo mdlalo ngababini okanye ngokwamaqela.

Players carry on naming things that slide or roll. The game is over when one player can't think of any more objects. Learners can play in different pairs or groups.

3 Ezi zinto ziaqengqeleka okanye ziyatyibilika? Tikisha ibloko echanekileyo.

Can the objects roll or slide? Tick the correct block.

			
iyaqengqeleka roll	 ☒	iyatyibilika slide	☐
iyaqengqeleka roll	☐	iyatyibilika slide	☐
			
iyaqengqeleka roll	☐	iyatyibilika slide	☐
iyaqengqeleka roll	☐	iyatyibilika slide	☐
			
iyaqengqeleka roll	☐	iyatyibilika slide	☐
iyaqengqeleka roll	☐	iyatyibilika slide	☐

limbuso zezinto ezi-3D

Faces of 3-D objects

IZIBALO
ZENTLOKO
MENTAL MATHS

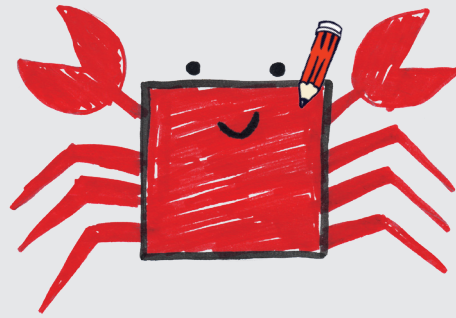
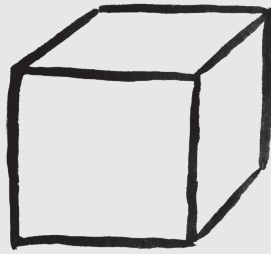
UMDLALO
OTHI SALUTA
SALUTE GAME

UPHULISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

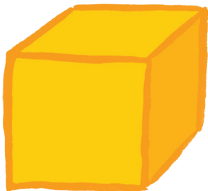
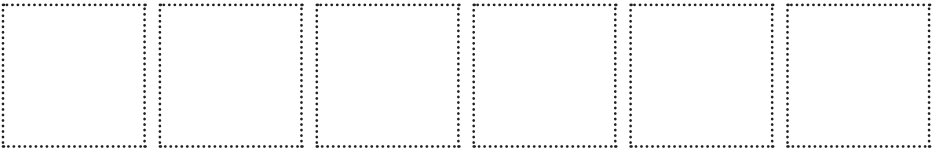
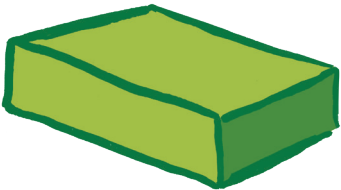
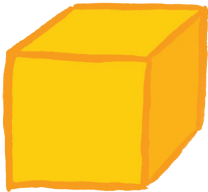
AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

I Treyisa ibhokisi yakho uze uzobe imifanekiso yazo.
Trace your box and draw pictures.



2 Zoba iimbuso ezi-6 zebhokisi nganye. Sebenzisa imilo yebhokisi yokwenyani.

Draw the 6 faces of each of these boxes. Use a real box shape to help you.

IPHEPHA LOKUSEBENZELA
WORKSHEET

IPHEPHA LOKUSEBENZELA
WORKSHEET

1

		
ibhola ball	ibhokisi box	ibhokisi box

		
ibhola ball	ibhokisi box	ibhokisi box

		
ibhola ball	ibhokisi box	ibhokisi box

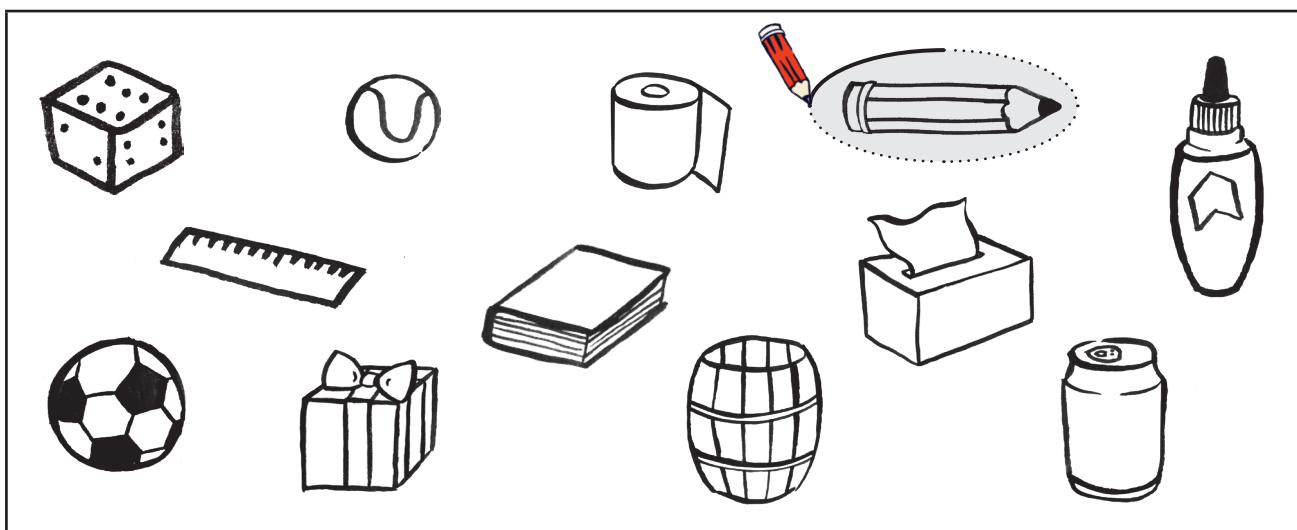
2

	
iyagengqeleka roll	iyatyibilika slide

	
iyagengqeleka roll	iyatyibilika slide

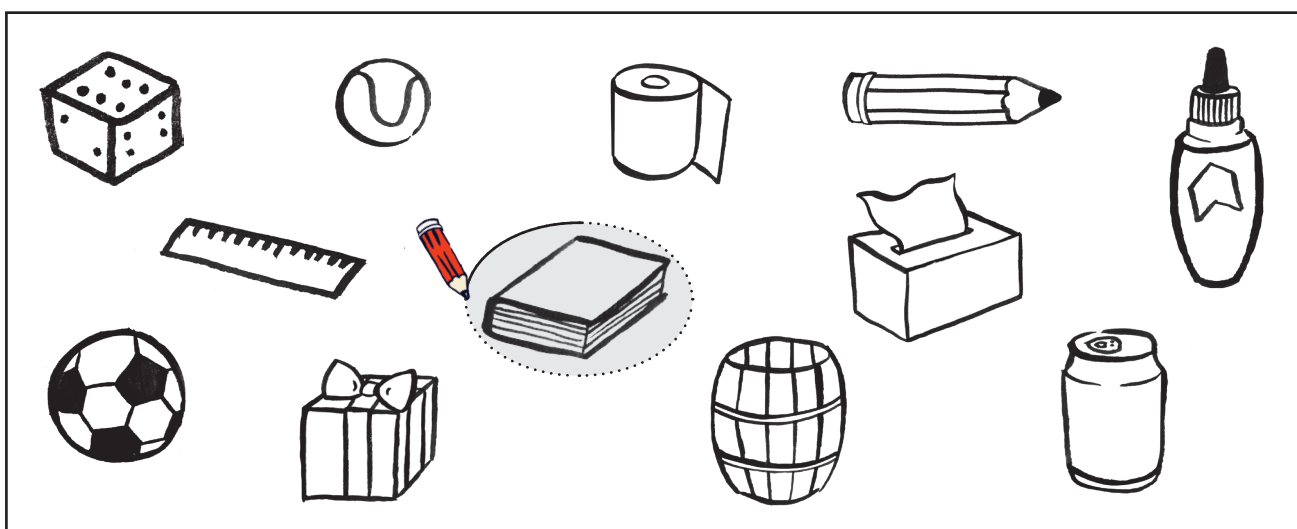
3 Biyela ngesangqa izinto eziqengqelekayo.

Circle the objects that can roll.



4 Biyela ngesangqa izinto ezityibilikayo.

Circle the objects that can slide.



5 Treyisa izinto ezi-3D eziseklasini uze uzobe imifanekiso.

Trace 3-D objects from around the classroom and draw pictures.





IZIBALO
ZENTLOKO
MENTAL MATHS

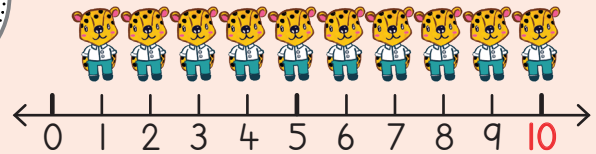
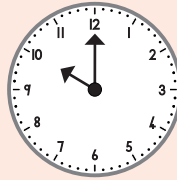
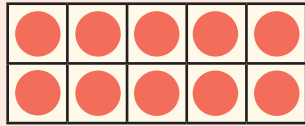
FIZZ POP – IIBHONDI
ZAMANANI UKUYA KU-10-
FIZZ POP – BONDS UP TO 10

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

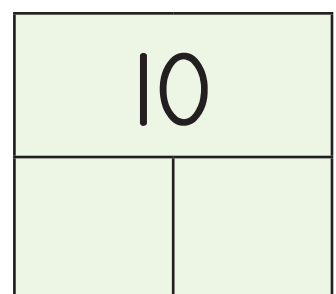
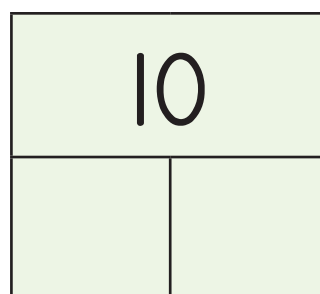
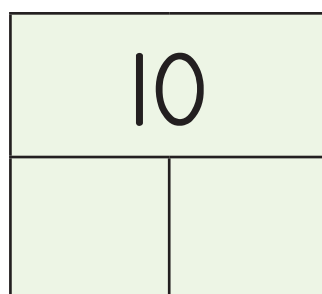
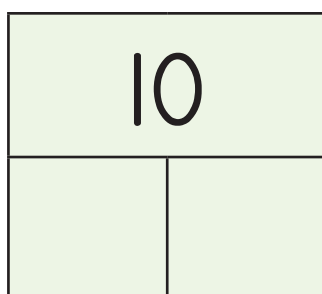
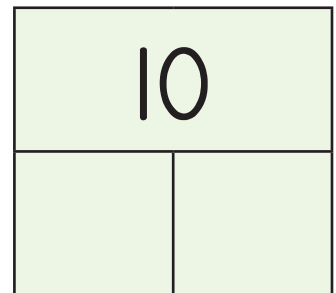
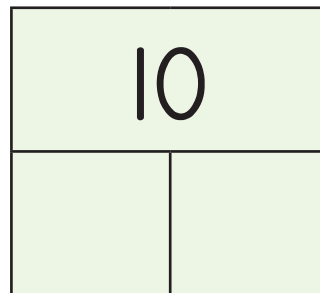
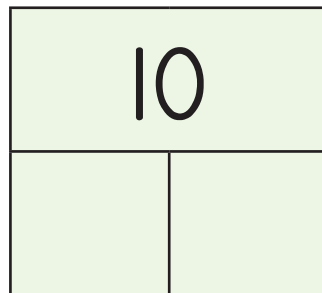
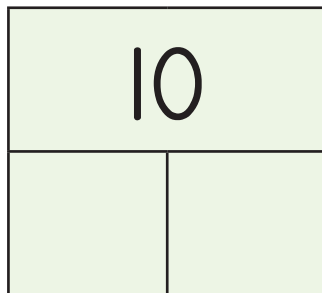
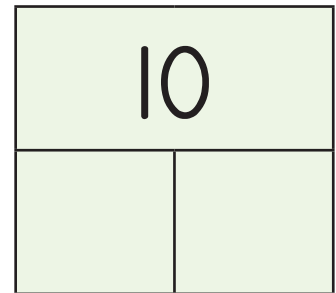
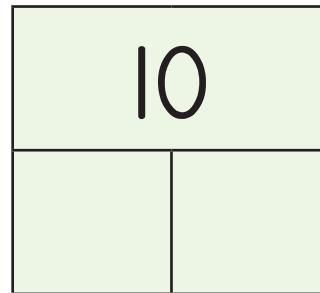
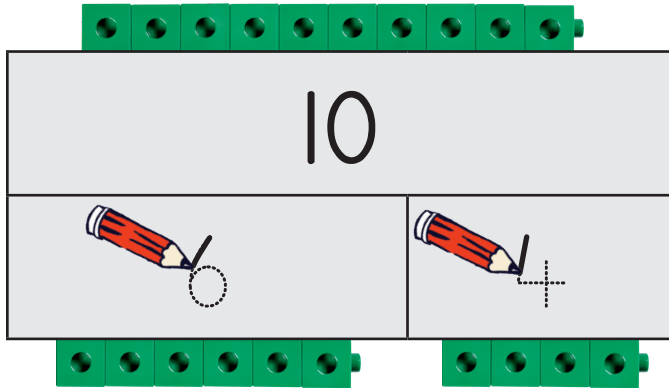
AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

lishumi
ten
10



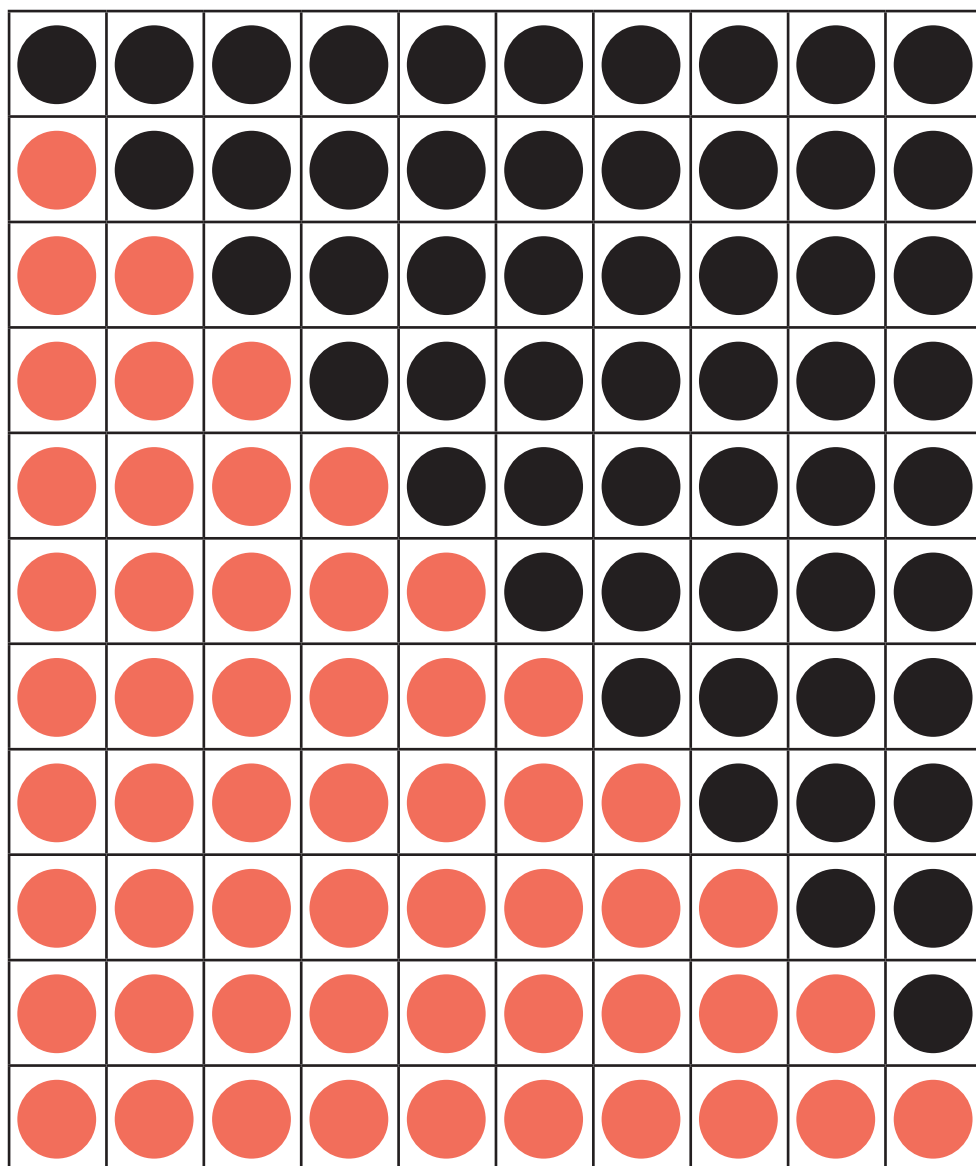
Yenza u-10.

Make 10.



I Bhala kule ndlu yeebhondi zamanani iindlela onokwenza ngazo u-10.

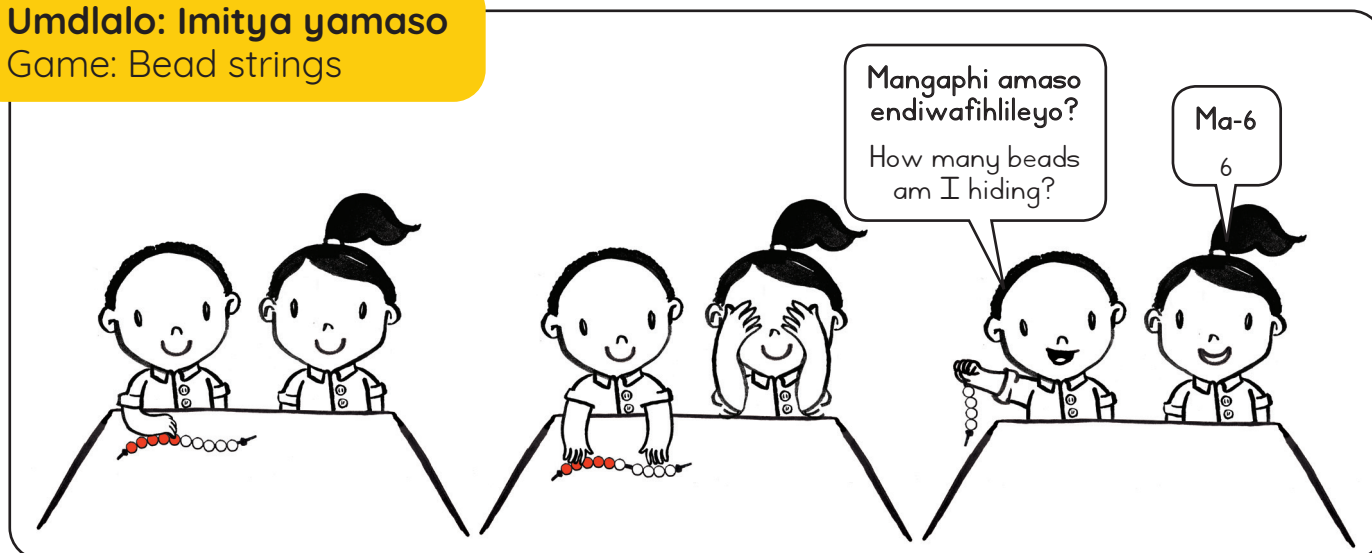
Record the ways to make up 10 in the bond house.



10	
0	10
1	9

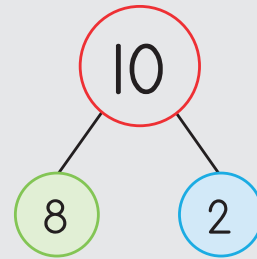
Umdlalo: Imitya yamaso

Game: Bead strings



u- 8 no- 2 benza u- 10
and make

u- 2 no- 8 benza u- 10
and make

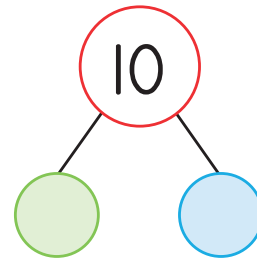


2 Ngawaphi amanye amanani enza u-10?

What other numbers make 10?

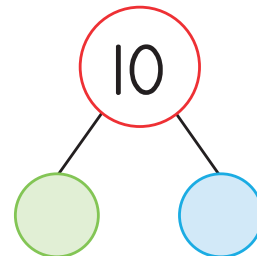
u- 5 no- 5 benza u- 10
and make

u- no- benza u- 10
and make



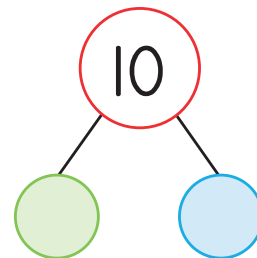
u- 6 no- 4 benza u- 10
and make

u- no- benza u- 10
and make



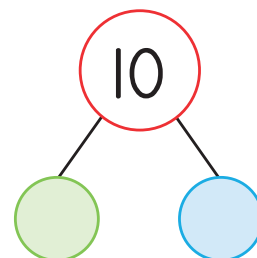
u- 1 no- 9 benza u- 10
and make

u- no- benza u- 10
and make



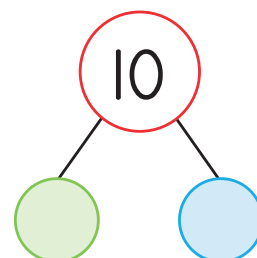
u- 0 no- 10 benza u- 10
and make

u- no- benza u- 10
and make



u- 3 no- 7 benza u- 10
and make

u- no- benza u- 10
and make





IZIBALO
ZENTLOKO
MENTAL MATHS

FIZZ POP - IIBHONDI
ZAMANANI UKUYA KU-10-
FIZZ POP - BONDS UP TO 10

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

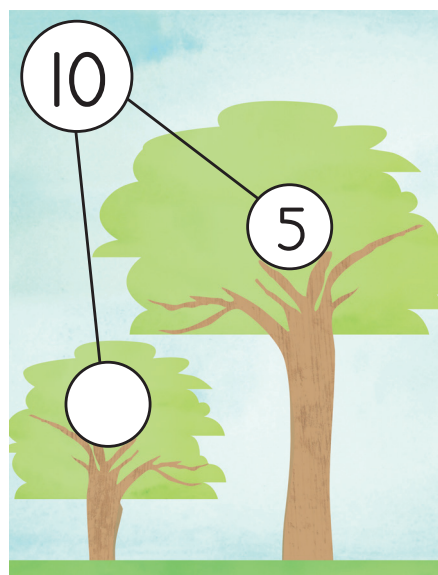
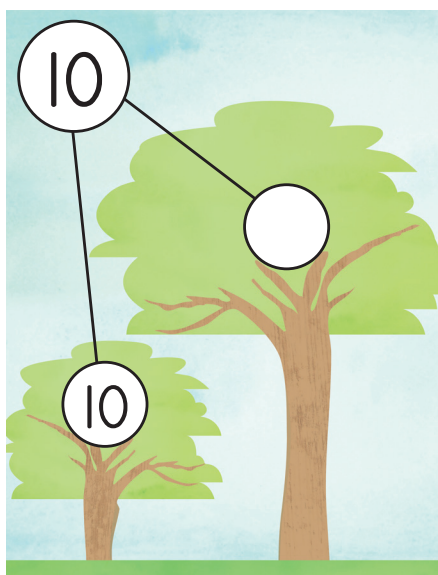
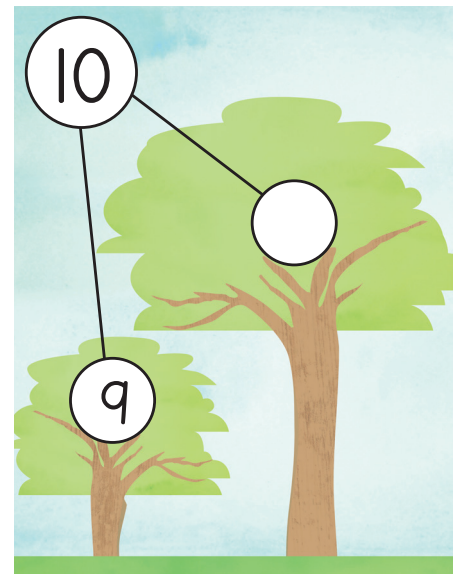
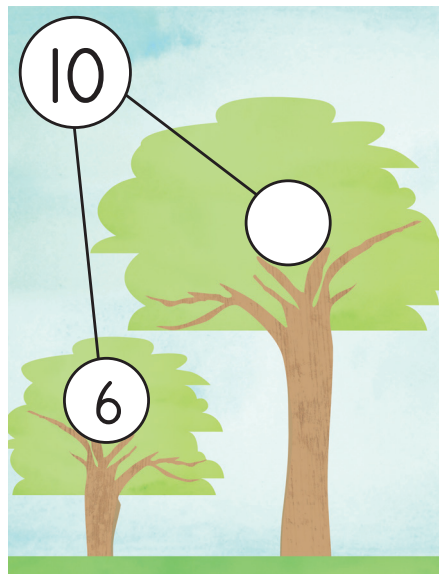
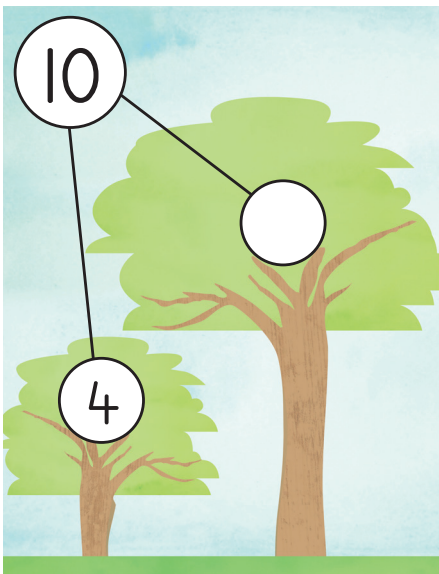
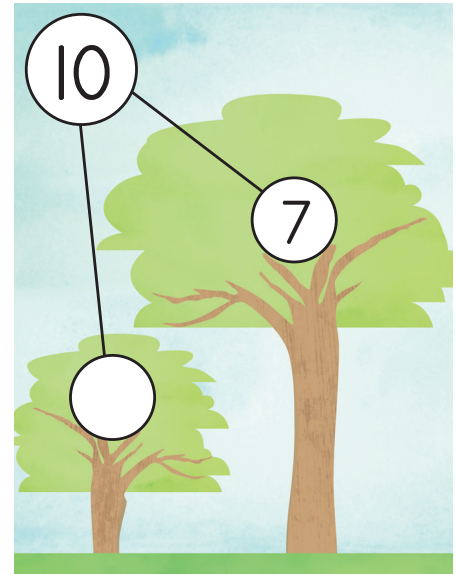
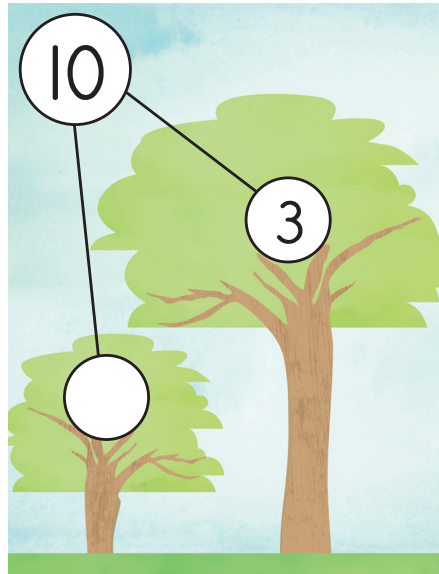
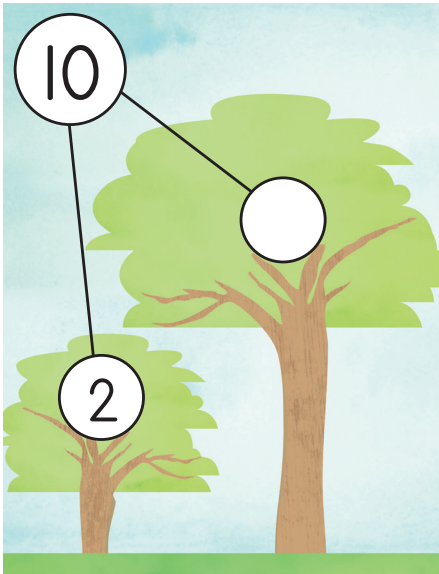
UMDLALO
GAME

IPHEPHA
LOKUSEBENZELA
WORKSHEET



Sebenzisa izibalisi zakho ubalise ibali lika Ntakana Ntyilo nabahlobo bakhe. Qala ngeentaka ezilishumi ezisemthini omncinci, wenze ukuba zibhabhele kumthi omkhulu nganye-nganye.

Use your counters to tell the story of Billy Bird to a friend. Start with 10 birds in the small tree and let them fly over to the big tree one by one.



IZIBALO
ZENTLOKO
MENTAL MATHS

FIZZ POP - IIBHONDI
ZAMANANI UKUYA KU-10-
FIZZ POP - BONDS UP TO 10

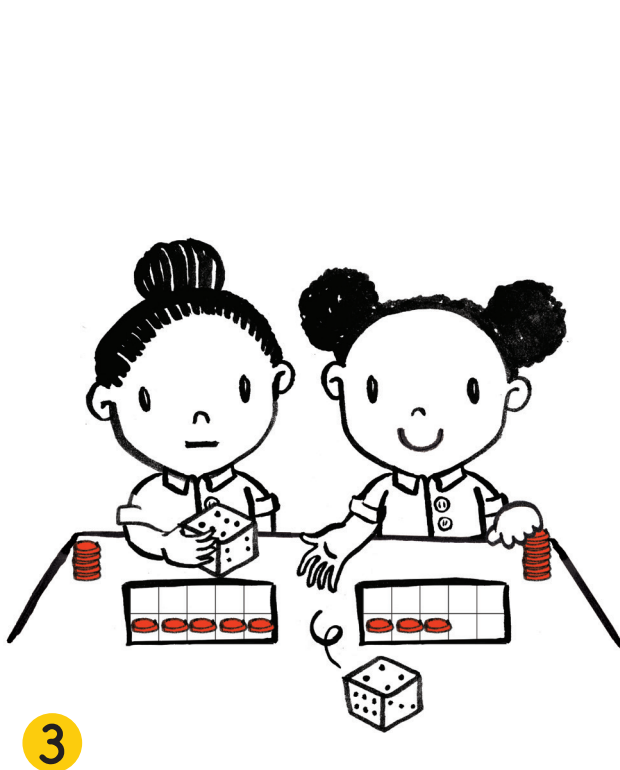
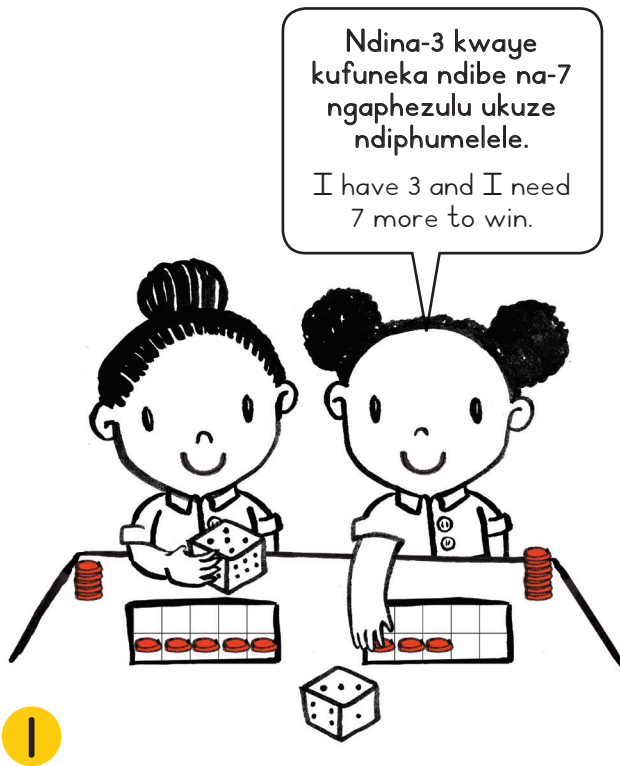
UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

UMDLALO
GAME

IPHEPHA
LOKUSEBENZELA
WORKSHEET

Umdlalo: Ofike kuqala ku-10

Game: First to ten



Kufuneka zibe ngaphi ukuze zenze u-10?

How many more to make 10?

	u- 6 no- benza u- 10 and make
	u- 4 no- benza u- 10 and make
	u- 8 no- benza u- 10 and make
	u- 2 no- benza u- 10 and make
	u- 5 no- benza u- 10 and make
	u- 9 no- benza u- 10 and make
	u- 1 no- benza u- 10 and make
	u- 3 no- benza u- 10 and make
	u- 0 no- benza u- 10 and make

IZIBALO
ZENTLOKO
MENTAL MATHS

FIZZ POP - IIBHONDI
ZAMANANI UKUYA KU-10-
FIZZ POP - BONDS UP TO 10

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

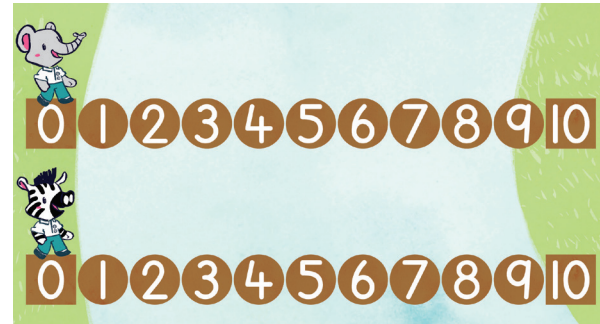
UMDLALO
GAME

IPHEPHA
LOKUSEBENZELA
WORKSHEET

Umdlalo: Ukunqumla umlambo Game: Crossing the river

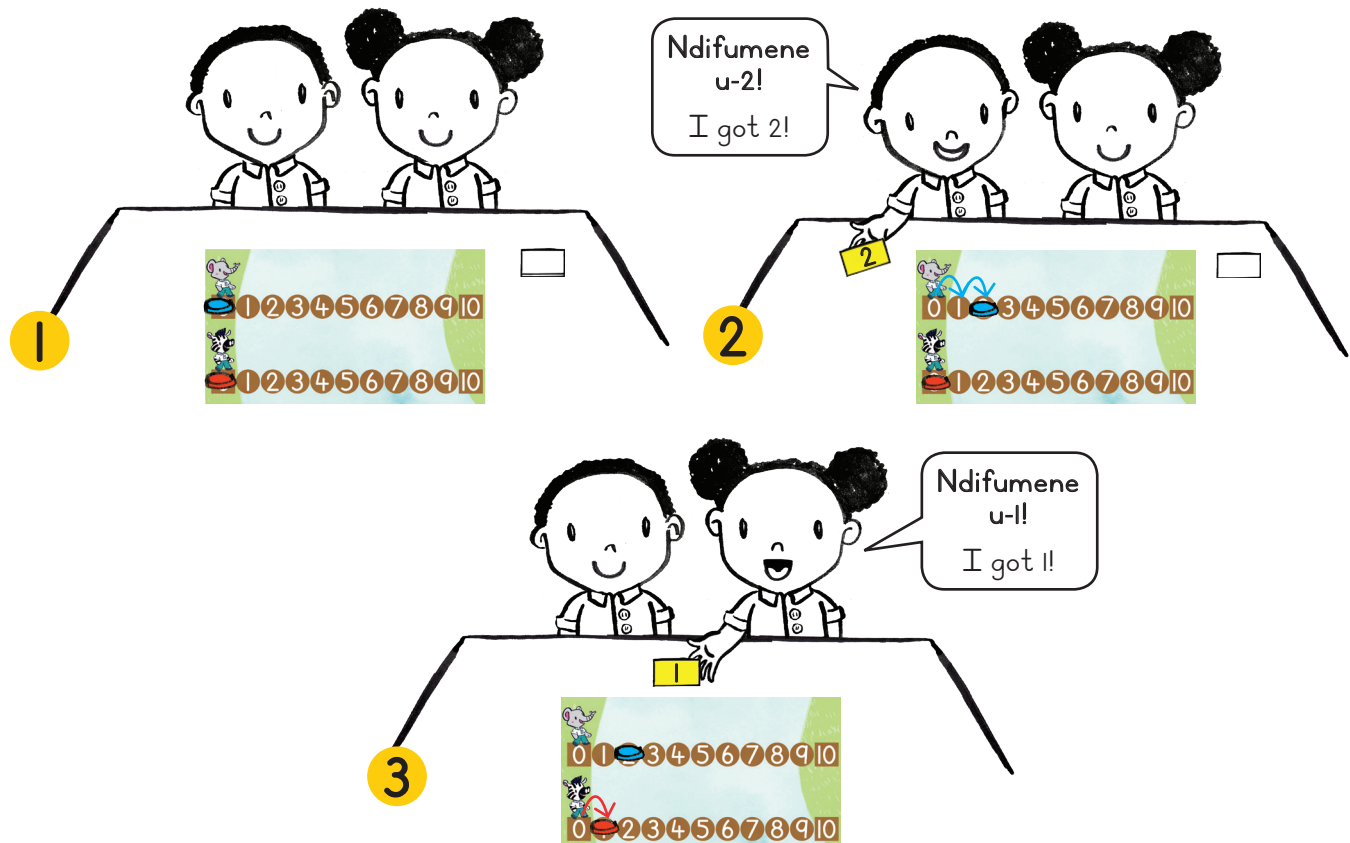
UNdlovukazi noQwarhashe
kufuneka bahambe phezu
kwala matye ukuze banqumle
umlambo.

Elephant and Zebra must cross the river
by stepping on the stepping stones.



Dlala neqabane lakho nibone ukuba ngubani oza kufika kuqala.
Sebenzisa amakhadi 1 no-2 uhambe ngawo.

Play with a partner to see who will get there first. Use your 1 and 2 cards to move.



Umntu wokuqala ukufika ku-10 nguye ophumelelayo.
Awudlali ukuba inani lakho liyedlula ku-10.

First person to reach 10 wins. Miss a turn if you step over 10.

Mangaphi amanyathelo aya ku-10?

How many steps to 10?

A number line from 0 to 10. A zebra is standing on the number 6. Blue arrows show steps from 0 to 5. Red arrows show steps from 6 to 10. A pencil is drawing a plus sign in a box next to the number 10.

A number line from 0 to 10. A zebra is standing on the number 4. A box is next to the number 10.

A number line from 0 to 10. A zebra is standing on the number 8. A box is next to the number 10.

A number line from 0 to 10. A zebra is standing on the number 2. A box is next to the number 10.

A number line from 0 to 10. A zebra is standing on the number 5. A box is next to the number 10.

A number line from 0 to 10. A zebra is standing on the number 1. A box is next to the number 10.

A number line from 0 to 10. A zebra is standing on the number 9. A box is next to the number 10.

A number line from 0 to 10. A zebra is standing on the number 0. A box is next to the number 10.

I Yenza amachokoza uze ubhale amanani angekhoyo.

Draw the dots and fill in the missing numbers.

	u- 4 no- benza u- 10 and make
	u- 5 no- benza u- 10 and make
	u- 9 no- benza u- 10 and make
	u- 7 no- benza u- 10 and make
	u- 2 no- benza u- 10 and make

2 Gqibezela ezi theyibhile.
Complete the number tables.

	
3	2

9	
	5

10	
1	

2	4

8	
4	

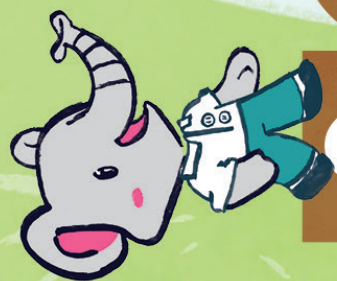
7	
	2

6	3

10	
	6

7	
6	

6	2



0

1

2

3

4

5

6

7

8

9

10



0

1

2

3

4

5

6

7

8

9

10

