

Mmetse

Mathematics

1

Kotara 2 : Term 2





Kotara 2 : Term 2



**Bala
Wande**

Calculating with Confidence

Mmetse

Mathematics

Puku ya Mošomo ya Morutwana
Learner Activity Book

Sepedi : English

Tšweletšo ya puku ye ya mešomo e kgonagetše ka lebaka la tirišano ya sehlopha sa *Bala Wande-Magic Classroom* ka therišano le sehlopha seo se netefaditšego sa go bopša ke batho go tšwa diyunibesithing tše mmalwa, mekgatlo ya mmetse ya go se laolwe ke mmušo (NGOs) le Kgoro ya Thuto ya Motheo. Didirišwa tše di tšeela mošomo woo o dirilwego ka dipukung tša mešomo tša Kgoro ya Thuto ya Motheo, dipeakanyo tša dithutišo tša go tsenelelana tše di šetšego di le gona (GPLMS, Jika iMfundo, NECT le TMU). Mapokisi a didirišwa tša Bala Wande a ngwetšwe ka kgokagano le Jade Education. Mapokisi a neelana ka didirišwa tša boleng bja godimo tše e lego karolo ye bohlokwa ya lenaneo la go ruta le go ithuta.

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.

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www.fundawande.org

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Go šomiša Puku ya Mošomo ya Morutwana ya Bala Wande

Puku ye ya Mošomo ya Morutwana e na le mešongwana yeo e beakanyeditšwego matšatši a 48 a go ruta ka Kotara ya 1. Go na le mešongwana ya phapoši ka moka, mešongwana ka botee le dipapadi tša barutwana tša go ralokwa ka bobedi le ka dihlopha. Dikarabo tša mešongwana di ka ngwalwa ka pukung ye.

Mešongwana ka gare ga puku ye e ngwadilwe ka mokgwa wa malemepedi. Tshepo ya rena ke go re go tšweletša mešongwana ka maleme a mabedi go tla thuša barutwana go tlwaela mantšu a mmetse ka Leleme la Gae le ka Seisemane. Go dira ka mokgwa woo go tla thuša go tlabela barutwana ka ditlabela tša go ithuta mmetse bophelo ka moka.

Ge barutwana ba šoma mešongwana ya puku ye ya mešomo go ya ka peakanyo ya tšatši ka tšatši, ka kotara ye nngwe le ye nngwe, ba tla kgona go fetša kharikhulamo ka moka ya mmetse ya ngwaga. Re tshepa gore mešongwana ye e tla ba tsela ya go kgahliša ya go ba thuša go hwetša tsebo ya motheo ya mmetse.

Mathomo a letšatši le lengwe le le lengwe le leswa go bontšhitšwe ka sefoka se sekhubedu.

BEKE • WEEK
2

LETŠATŠI 1 • DAY 1

Go nyalanya, go hlaola le go bala go ya go 5
Matching, sorting and counting up to 5



Ka tlase ga sefoka go na le seswantšho sa go ela seo se akaretšago tatelano ya mešongwana ya letšatši.

MMETSE
WA HLOGO
MENTAL MATHS

KOPOLLA O BONTŠHE
DIPALO 1-5
COPY AND SHOW NUMBERS 1-5

KGODIŠO YA KGOPOLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

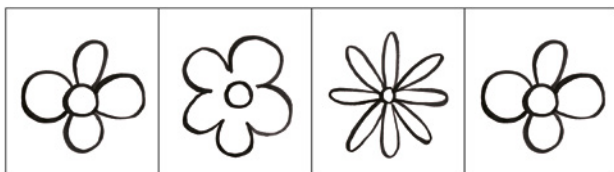
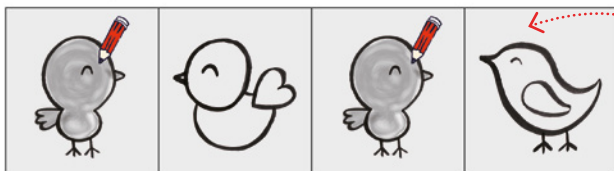
Mmetse wa Hlogo ke mošongwana wa mathomo wa letšatši le lengwe le le lengwe. Morutiši o tla eta mošongwana wo pele. Papadi ye e ka ralokwa letšatši lefe goba lefe la beke.

Seswantšho se ke leswao la mošongwana wa kgodišo ya kgopolo woo o etwago pele ke morutiši.



Matlakala a mangwe ka moka ka pukung ye, a diretšwe morutwana gore a šome ka boyena goba ka dihlopha ka tlhahlo le thekgo ya morutiši. Go ka ba le matlakalatšhomelo goba dipapadi, go teefatša mareo ao a rutilwego letšatšing leo. Dipapadi di tšweletšwa ka go šomiša dikhathune tša barutwana ba bontšha ka fao papadi e swanetšego go ralokwa ka gona.

1 Khalaria diswantšho tše pedi tšeo di swanago.
Colour two pictures that are the same.



Ditaelo ka moka le tshedimošo di filwe ka Sepedi tša fetolelwa go Seisemane.

Matlakalatšhomelo a barutwana a na le mohlala woo o šetšego o dirilwe (o bontšhitšwe ka mmala wo mopududu ka morago le ka phensele ye khubedu).

Letšatši la bo 5 la beke ye nngwe le ye nngwe le beakanyeditšwe teefatšo le kelo.

Using the Bala Wande Learner Activity Book

This Learner Activity Book has activities planned for 48 days of teaching in Term 1. 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.

BEKE • WEEK
2

LETŠATŠI 1 • DAY 1
Go nyalanya, go hlaola le go bala go ya go 5
Matching, sorting and counting up to 5

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



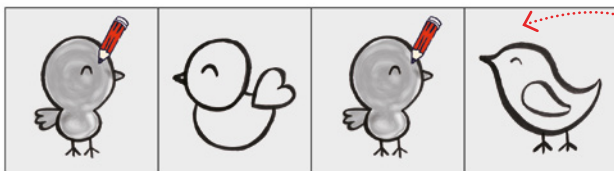
Mental Maths is the first activity every day. The teacher will lead this activity. You can play the game any day of the week.

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

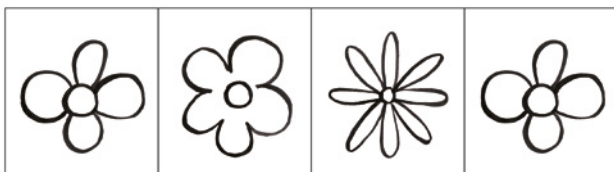


All the other pages in the book are for learners to work on independently or in groups with guidance and support from the teacher. They may be worksheets or games that will consolidate the concepts covered that day. Games are presented using cartoons of learners to show how the game should be played.

1 Khalaria diswantšho tše pedi tšeo di swanago.
Colour two pictures that are the same.



All instructions and information are given in Sepedi 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.

MMETSE
WA HLOGO
MENTAL MATHS

FIZZ POP - DITLEMAGANO
TŠA GO FIHLA GA 10
FIZZ POP - BONDS UP TO 10

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

LETLAKALATŠHOMELO
WORKSHEET

Papadi: Go rakedišana nokeng ka go ya pele le morago

Game: Chasing forwards and backwards across the river

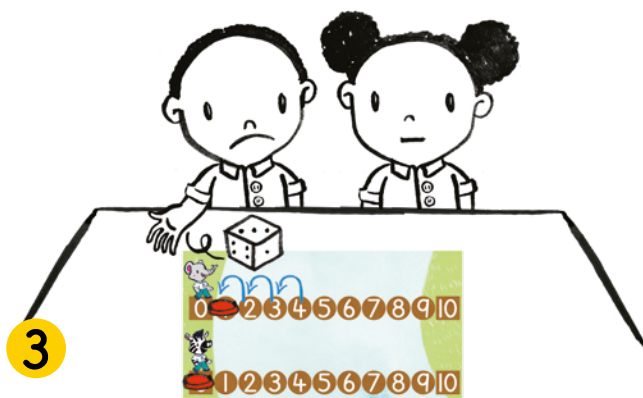
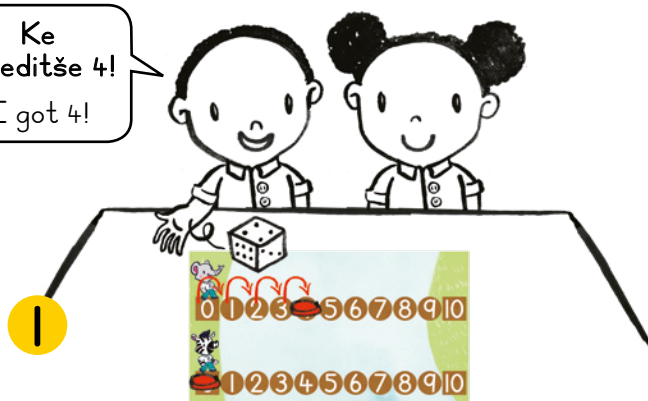
Tšhentšhanang ka go foša letaese. Ge o ka foša 4, 5 goba 6, o swanetše go ya pele ka dikgato tše ntši. Ge o ka foša 1, 2 goba 3, o swanetše go boela morago ka dikgato tše ntši. Ge e le go re palo yeo e bontšhago godimo ga letaese e go boetša morago go feta 0, ga o šuthe, ebile ga o foše.

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.

Ke hweditše 2,
ka gona, nka se
kgone go šutha!

I got 2 so I
can't move!

Ke
hweditše 4!
I got 4!



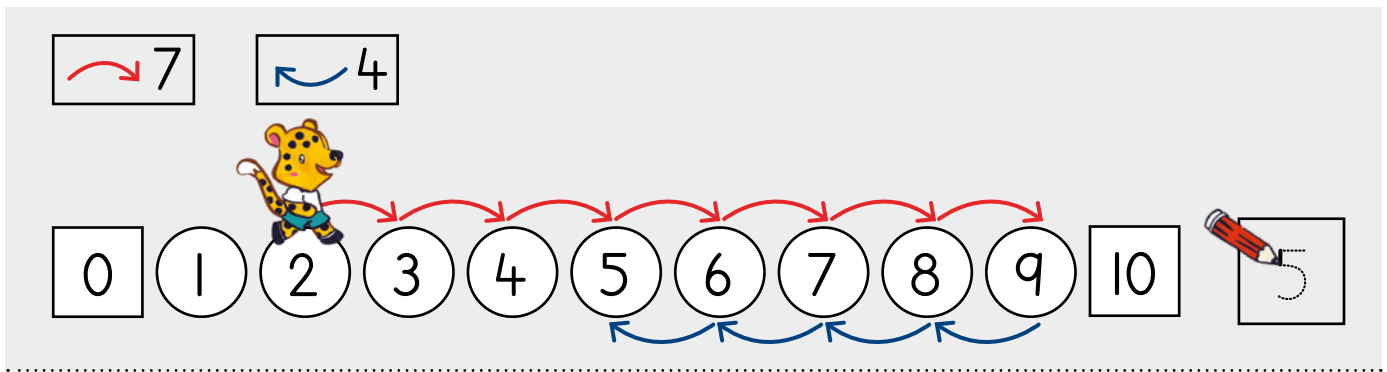
Motho wa mathomo wa go feta 10 ke mofenyi.

First person to step over 10 wins.

Eya pele le morago mo mohlaleng wa palo.

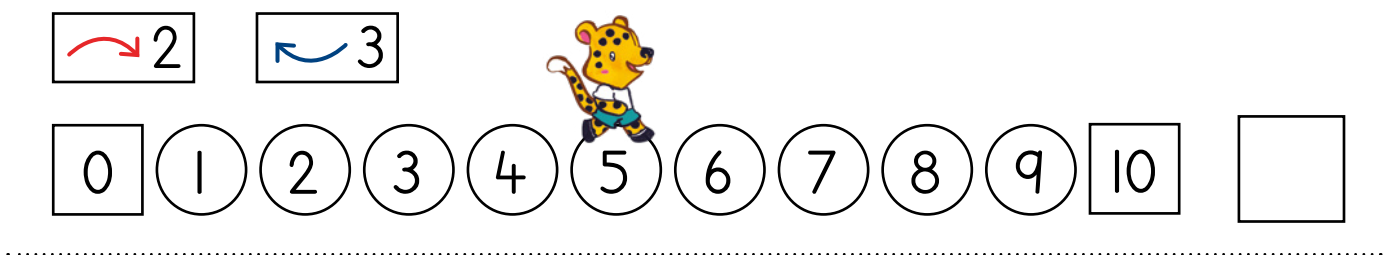
Move forwards and backwards on the number track.

7 4



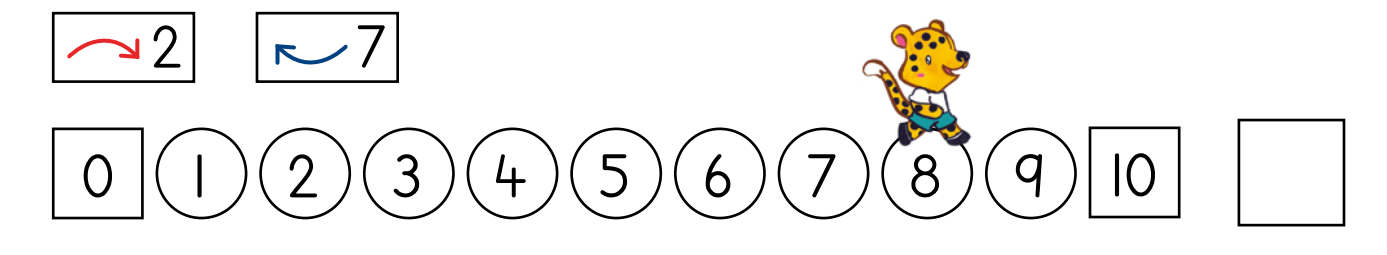
0 1 2 3 4 5 6 7 8 9 10

2 3



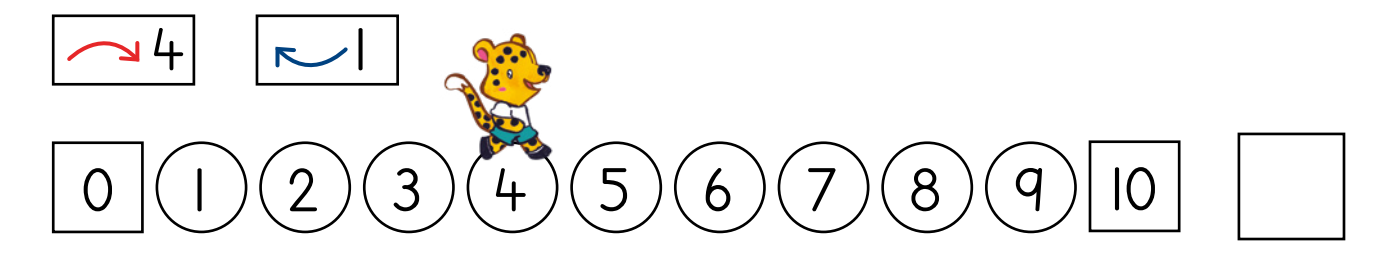
0 1 2 3 4 5 6 7 8 9 10

2 7



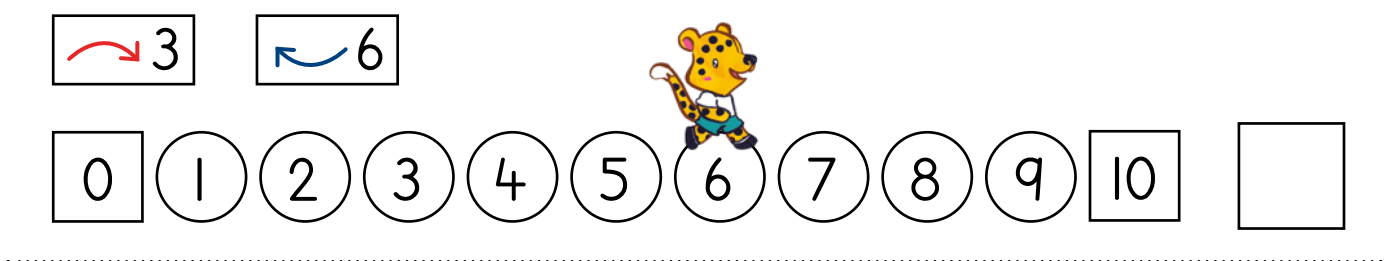
0 1 2 3 4 5 6 7 8 9 10

4 1



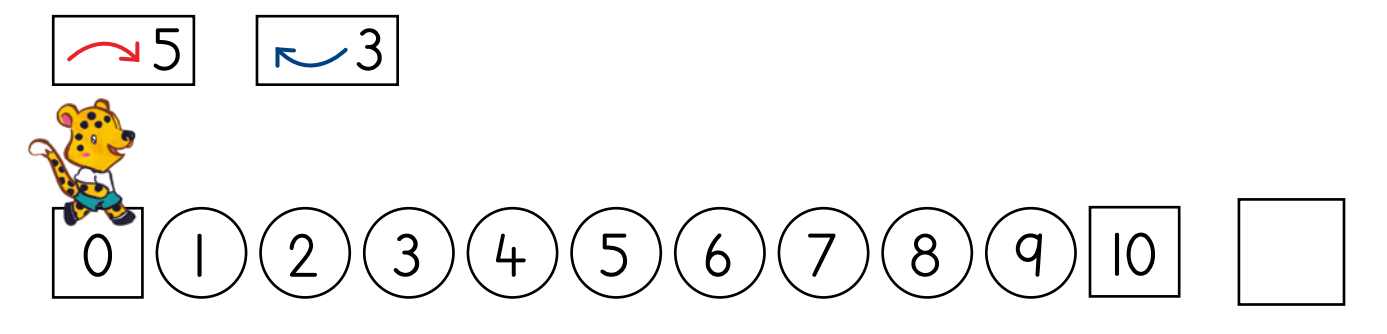
0 1 2 3 4 5 6 7 8 9 10

3 6



0 1 2 3 4 5 6 7 8 9 10

5 3



0 1 2 3 4 5 6 7 8 9 10

MMETSE
WA HLOGO
MENTAL MATHS

FIZZ POP - DITLEMAGANO
TŠA GO FIHLA GA 10
FIZZ POP - BONDS UP TO 10

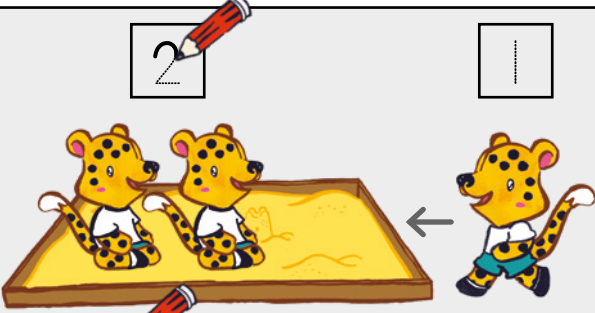
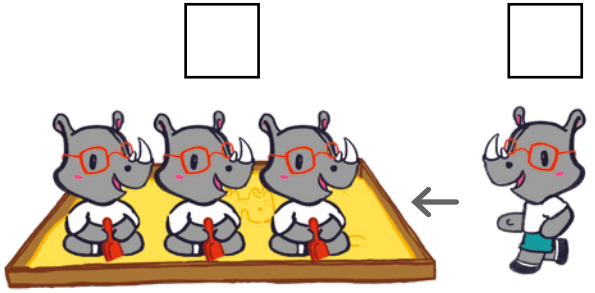
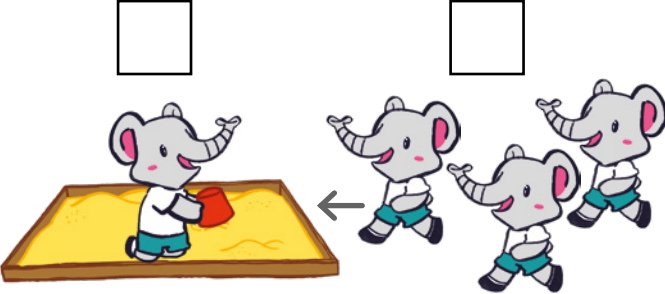
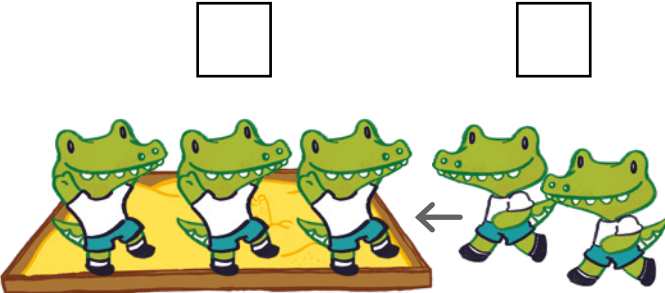
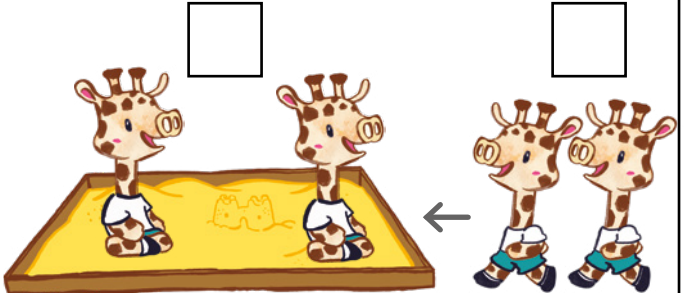
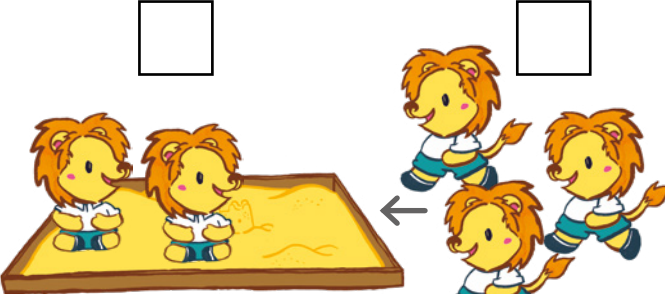
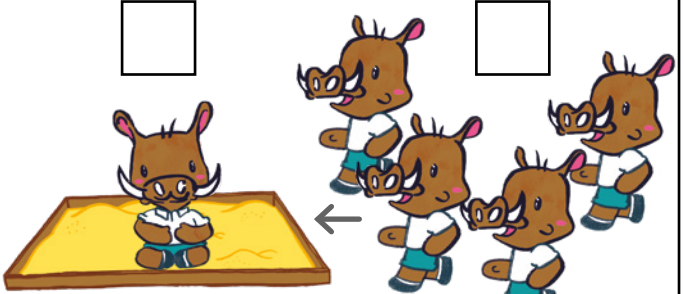
KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Na ke ba bakae ka moka ge ba hlakana?

How many altogether?

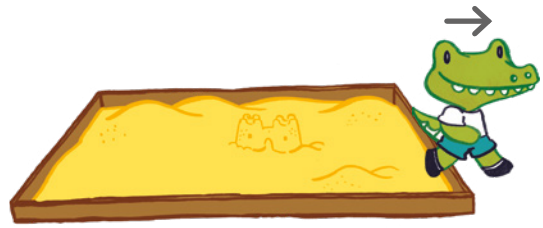
 3 ka moka/altogether	 ___ ka moka/altogether
 ___ ka moka/altogether	 ___ ka moka/altogether
 ___ ka moka/altogether	 ___ ka moka/altogether
 ___ ka moka/altogether	 ___ ka moka/altogether

2 Mogwera o tee o a tšwa. Na go šetše ba bakae?

One friend gets out. How many remain?



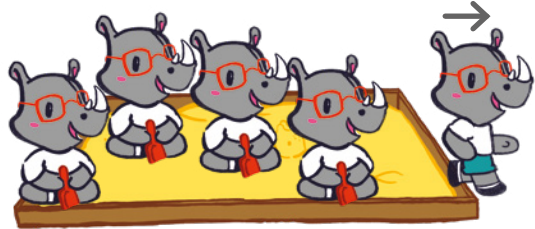
Go šetše 1
1 remains



Go šetše ____
 ____ remain



Go šetše ba ba ____
 ____ remain



Go šetše ba ba ____
 ____ remain



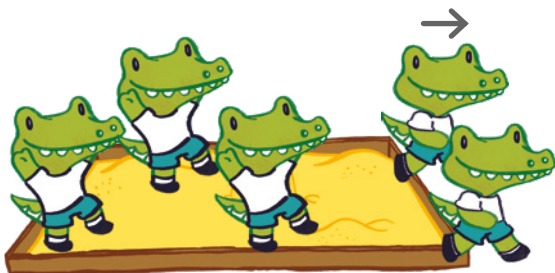
Go šetše ba ba ____
 ____ remain



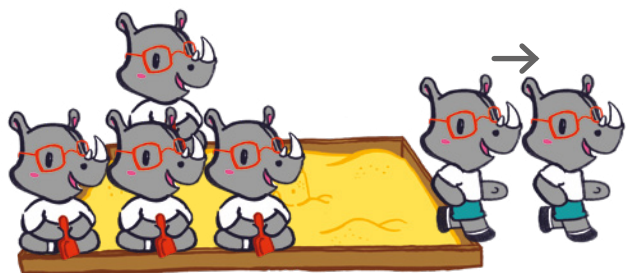
Go šetše ba ba ____
 ____ remain

3 Bagwera ba babedi ba a tšwa. Na go šetše ba bakae?

Two friends get out. How many remain?



Go šetše ba ba ____
 ____ remain



Go šetše ba ba ____
 ____ remain

Na ke tše kae ka moka ge di hlakane?

How many altogether?



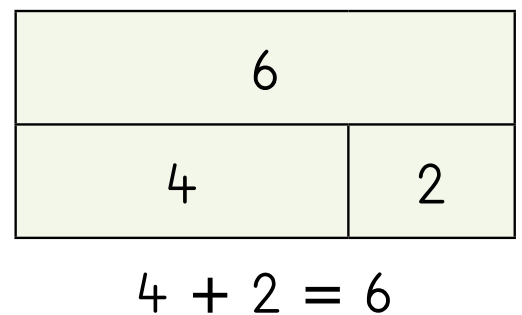
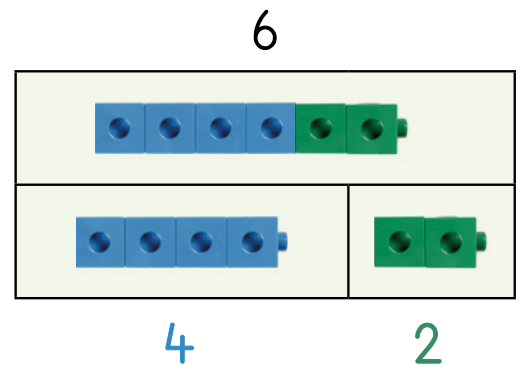
MMETSE
WA HLOGO
MENTAL MATHS

FIZZ POP - DITLEMAGANO
TŠA GO FIHLA GA 10
FIZZ POP - BONDS UP TO 10

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

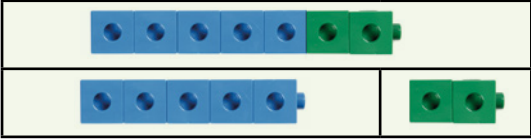
PAPADI
GAME

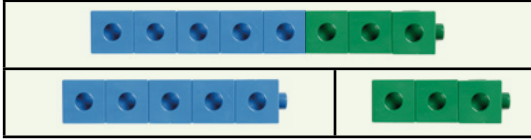
MATLAKALATŠHOMELO
WORKSHEETS



I Feleletša lefokopalo la go hlakantšha.
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 Na ke barutwana ba bakae bao ba lego gona ka moka ge ba hlakana? Ngwala lefokopalo la go hlakantšha.

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

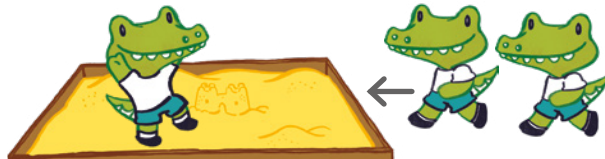


2	

+

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2



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+

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+

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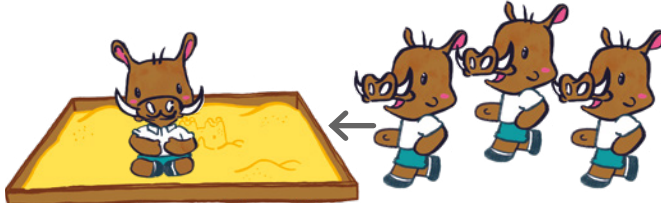
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MMETSE
WA HLOGO
MENTAL MATHS

FIZZ POP - DITLEMAGANO
TŠA GO FIHLA GA 10
FIZZ POP - BONDS UP TO 10

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Ngwala lefokopalo go oketša marontho a makhubedu le a matalaleratadima.

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

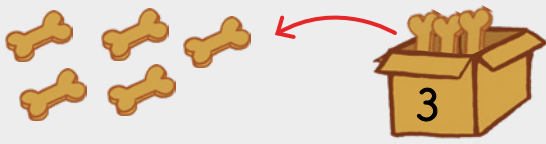
	khubedu red	talaleratadima blue

2 Na ke dipisikiti tše kae ka moka ge di hlakane? Ngwala lefokopalo.

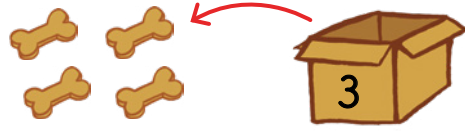
How many biscuits altogether? Write the number sentence.

Go na le dipisikiti tše 3 ka lepokising. Na go na le dipisikiti tše kae ka moka ge di hlakana?

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



$$5 + 3 = 8$$



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

Go na le dipisikiti tše 5 ka lepokising. Na go na le dipisikiti tše kae ka moka ge di hlakana?

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



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



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

Go na le dipisikiti tše 7 ka lepokising. Na go na le dipisikiti tše kae ka moka ge di hlakana?

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



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



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

Go na le dipisikiti tše 6 ka lepokising. Na go na le dipisikiti tše kae ka moka ge di hlakana?

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



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



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

LETLAKALATŠHOMELO
WORKSHEET

LETLAKALATŠHOMELO
WORKSHEET

1 Eya pele le morago mohlaleng wa palo.

Move forwards and backwards on the number track.

4 1

5 4

3 9

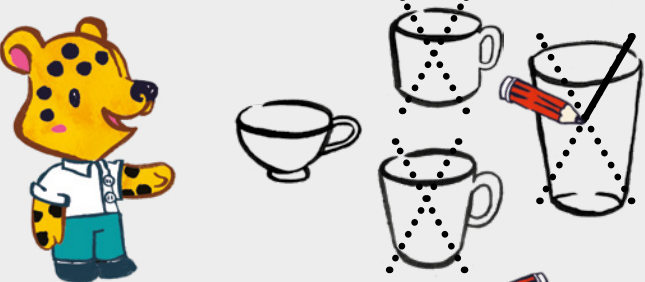
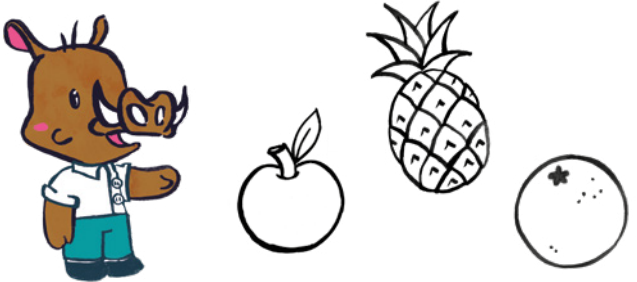
2 Ngwala gore go na le tše kae.

Write how many there are.

_____ ka moka/altogether	_____ ka moka/altogether
---------------------------------	---------------------------------

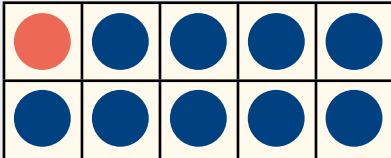
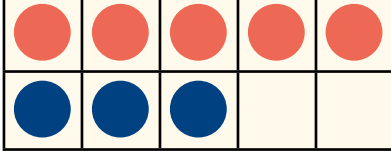
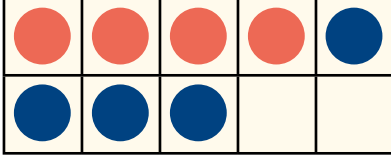
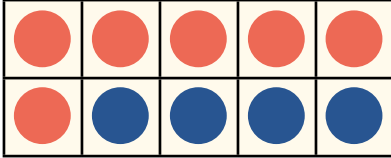
3 Ke tšea tše 3. Na go šetše tše kae?

I take 3. How many remain?

 Go šetše e <u> </u> <u> </u> remains	 Go šetše tše <u> </u> <u> </u> remain
 Go šetše tše <u> </u> <u> </u> remain	 Go šetše tše <u> </u> <u> </u> remain

4 Ngwala lefokopalo go oketša marontho a makhubedu le a matalaleratadima.

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

	khubedu talaleratadima red blue  <u> </u> + <u> </u> = <u> </u>
	<u> </u> + <u> </u> = <u> </u>
	<u> </u> + <u> </u> = <u> </u>
	<u> </u> + <u> </u> = <u> </u>



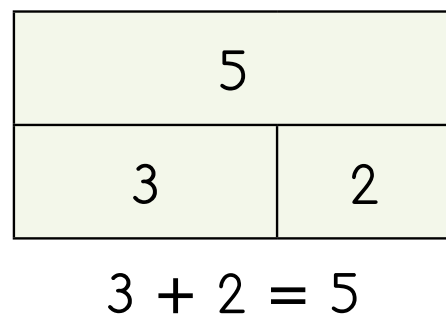
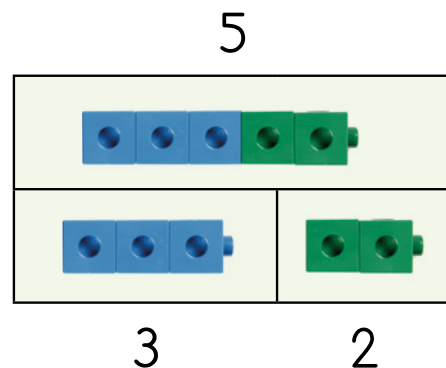
MMETSE
WA HLOGO
MENTAL MATHS

123 BONTŠHA -
NTŠI GO LE NNYANE GO
123 SHOW - MORE THAN AND LESS THAN

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

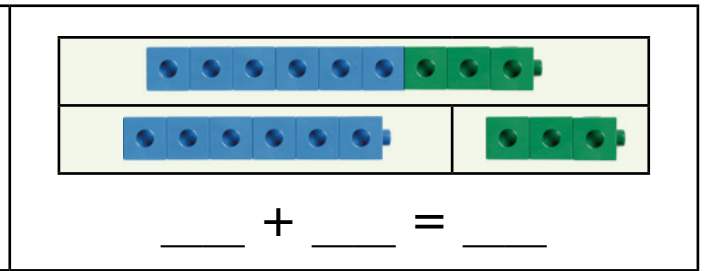
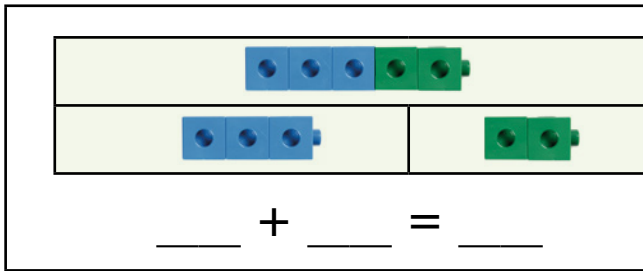
MATLAKALATŠHOMELO
WORKSHEETS



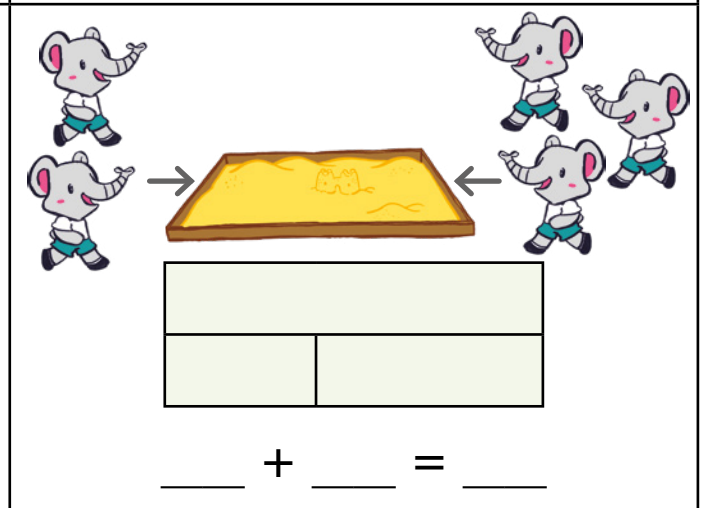
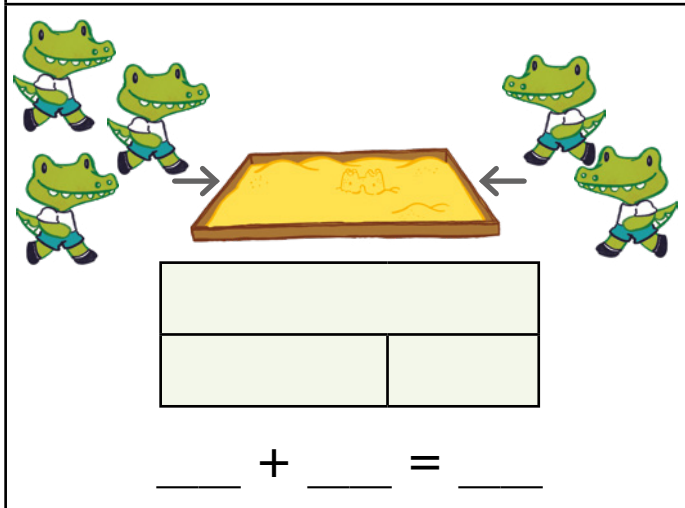
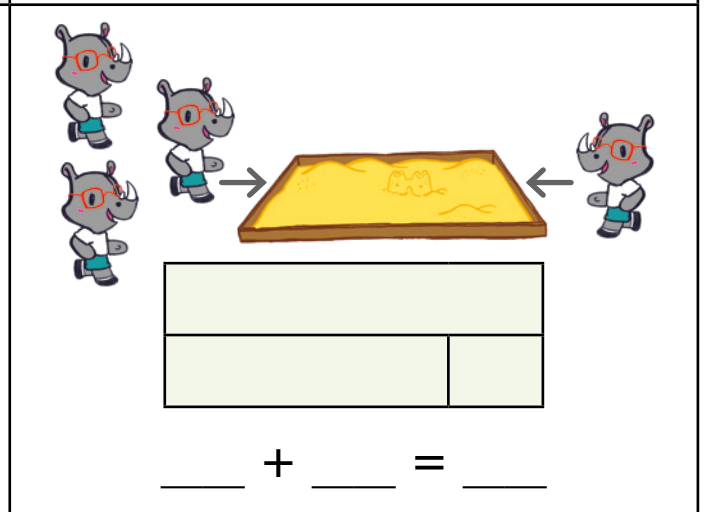
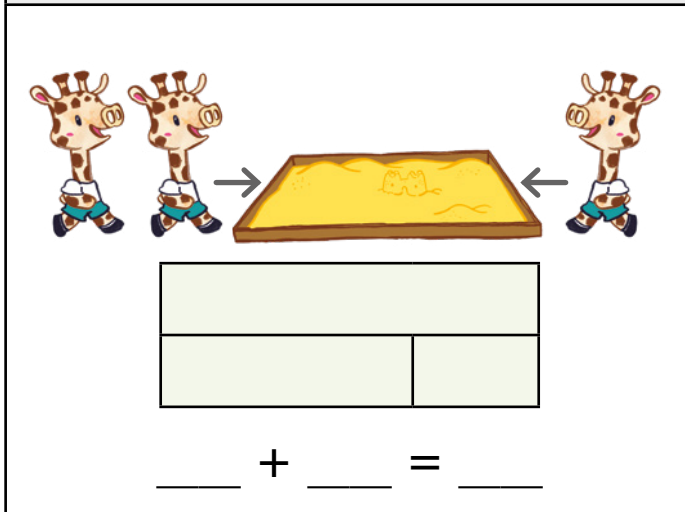
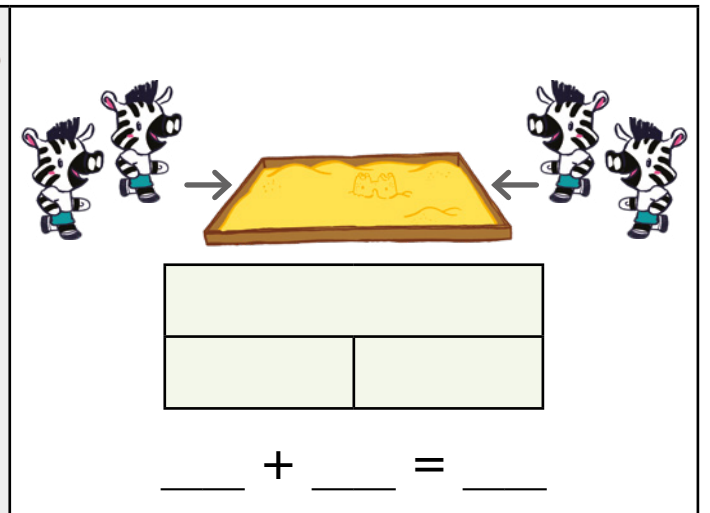
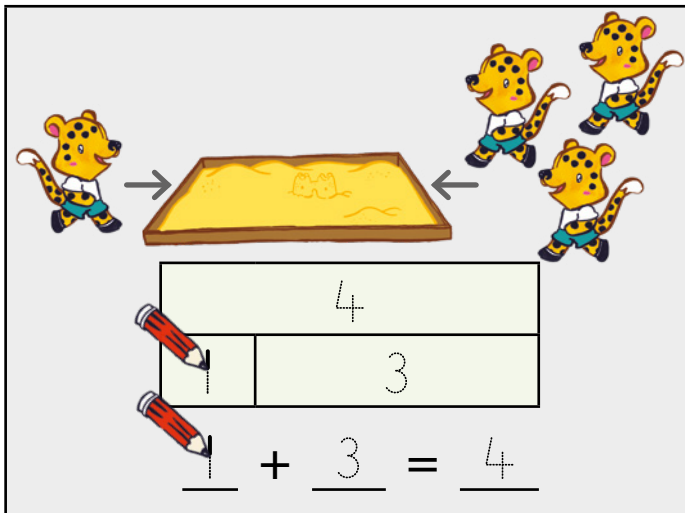
I Feleletšha lefokopalo la go hlakantšha.

Complete the addition number sentence.

<u>6</u> + <u>4</u> = <u>10</u>	___ + ___ = ___
___ + ___ = ___	___ + ___ = ___



2 Na ke tše kae ka moka ge di hlakana?
How many altogether?



MMETSE
WA HLOGO
MENTAL MATHS

123 BONTŠHA -
NTŠI GO LE NNYANE GO
123 SHOW - MORE THAN AND LESS THAN

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

Papadi: Go dira tše dintši ka dipoloko

Game: Making more with blocks

1 E ba wa mathomo go foša.
You throw first.

2 Ke hweditše tše 4!
I got 4!

3 Ke hweditše tše 5!
I got 5!

4 Ke hweditše tše 2!
Bjale ke na le tše 6.
I got 2! Now I have 6.

5 Ke hweditše tše 3!
Bjale ke na le tše 8.
I got 3! Now I have 8.

6 Ke na le tše nnyane ka tše 2 go tša gago!
I have 2 less than you do!

Ke go fetiša ka tše 2!
I have 2 more than you do!

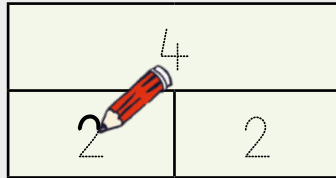
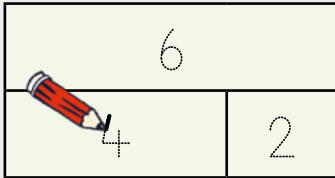
4 + 2 = 6 5 + 3 = 8

Ralokang gape. Tlatšang ditafola le be le ngwale mafokopalo nako le nako.

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



Boledišanang.
Discuss.



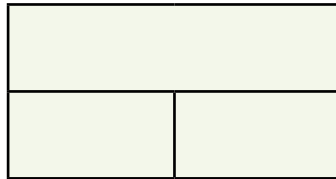
6
ntši go feta
more than



4
nnyane go
less than

4 + 2 = 6

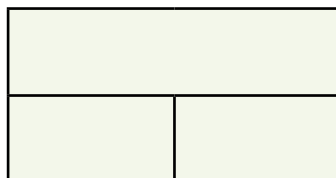
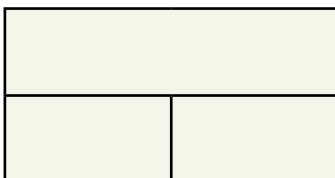
2 + 2 = 4





_____ + _____ = _____

_____ + _____ = _____



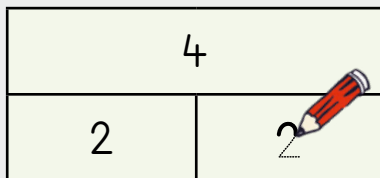


_____ + _____ = _____

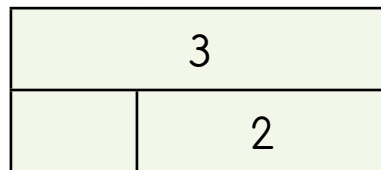
_____ + _____ = _____

I Tlatša dipalo tšeo di tlogetšwego.

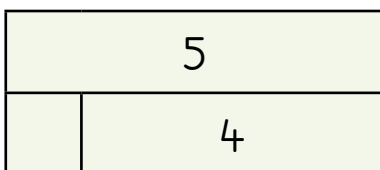
Fill in the missing numbers.



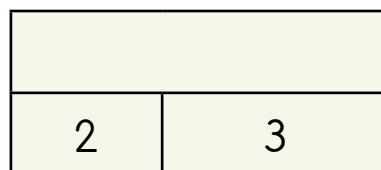
$$2 + 2 = 4$$



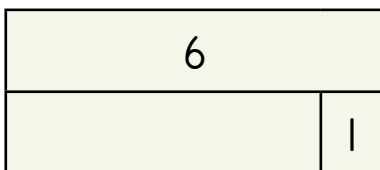
$$\underline{\quad} + 2 = 3$$



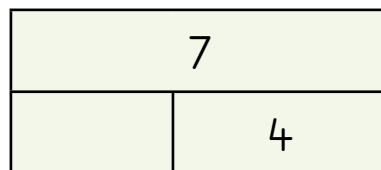
$$\underline{\quad} + 4 = 5$$



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



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



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

Lebo o na le malekere a ma3.
Mpho o na le malekere a ma2.
Ba na le malekere a ma5 ka moka ge a hlakana.

Andile has 3 sweets.

Busi has 2 sweets.

They have 5 sweets altogether.



Buti wa ka o na le diapole tše 3.

Ke na le diapole tše .

Re na le diapole tše 3 ka moka ge di hlakana.

My brother has 3 apples.

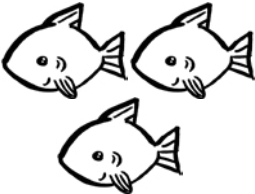
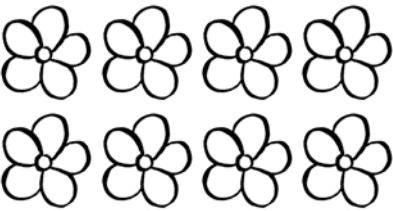
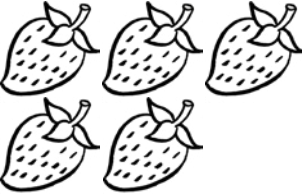
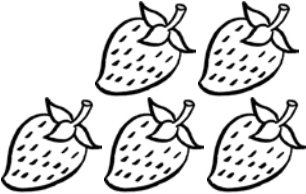
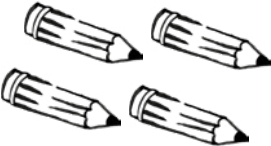
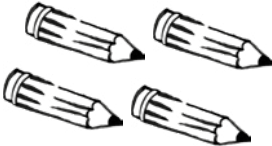
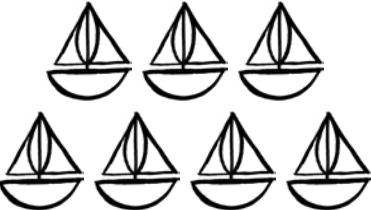
I have apples.

We have 3 apples altogether.



2 Hlakantšha.

Add.

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

MMETSE
WA HLOGO
MENTAL MATHS

123 BONTŠHA -
NTŠI GO LE NNYANE GO
123 SHOW - MORE THAN AND LESS THAN

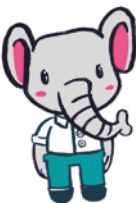
KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1

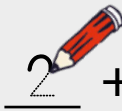
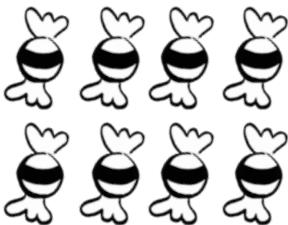
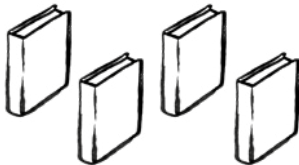
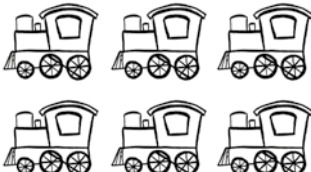
	thala draw	ngwala write
 o na le 2 has 2		
 o na le a mantši ka 3 has 3 more		

	thala draw	ngwala write
 o na le 3 has 3		_____
 o na le a mantši ka 5 has 5 more		_____ + _____ = _____

	thala draw	ngwala write
 o na le 6 has 6		_____
 o na le a mantši ka 2 has 2 more		_____ + _____ = _____

2 Tlatša dipalo tšeo di tlogetšwego.

Fill in the missing numbers.

Lesiba o na le		Lerato o na le	
Lesiba has		Lerato has	
	 tše ntši ka 3 3 more	 <u>2</u> + <u>3</u> = <u>5</u>	
	<u> </u> tše ntši ka 2 2 more	<u> </u> + <u> </u> = <u> </u>	
	<u> </u> a mantši ka 1 1 more	<u> </u> + <u> </u> = <u> </u>	
	<u> </u> tše ntši ka 5 5 more	<u> </u> + <u> </u> = <u> </u>	
	<u> </u> tše ntši ka 2 2 more	<u> </u> + <u> </u> = <u> </u>	
	<u> </u> tše ntši ka 6 6 more	<u> </u> + <u> </u> = <u> </u>	
	<u> </u> tše ntši ka 1 1 more	<u> </u> + <u> </u> = <u> </u>	

MMETSE
WA HLOGO
MENTAL MATHS

123 BONTŠHA -
NTŠI GO LE NNYANE GO
123 SHOW - MORE THAN AND LESS THAN

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Na  o na le dipoloko tše kae?

How many blocks does  have?

 o na le tše ntši ka 2. has 2 more.      $8 + 2 = 10$	 o na le tše ntši ka 4. has 4 more.     $\underline{\quad} + \underline{\quad} = \underline{\quad}$
 o na le tše ntši ka 3. has 3 more.     $\underline{\quad} + \underline{\quad} = \underline{\quad}$	 o na le tše ntši ka 5. has 5 more.     $\underline{\quad} + \underline{\quad} = \underline{\quad}$
 o na le tše ntši ka 1. has 1 more.     $\underline{\quad} + \underline{\quad} = \underline{\quad}$	 o na le tše ntši ka 3. has 3 more.     $\underline{\quad} + \underline{\quad} = \underline{\quad}$

2 Hlakantšha.

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 Hlakantšha.

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 Tlatša dipalo tšeo di tlogetšwego.

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

Buhle o na le dibapadišane tše 4 tša dikoloi.

Thuto o na le dibapadišane tše _____.

Ba na le dibapadišane tše 7 tša dikoloi ge di hlakana ka moka.

Buhle has 4 toy cars.

Thuto has _____ toy cars.

They have 7 toy cars altogether.

Sesi wa ka o na le malekere a ma5.

Ke na le malekere a _____.

Re na le malekere a ma5 ge a hlakana ka moka.

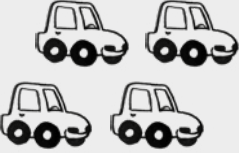
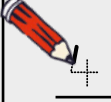
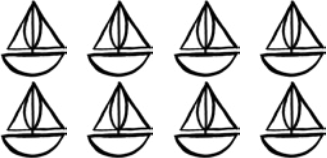
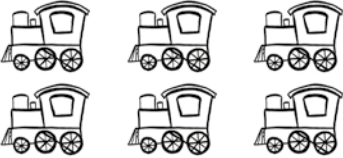
My sister has 5 sweets.

I have _____ sweets.

We have 5 sweets altogether.

3 Tlatša dipalo tšeo di tlogetšwego.

Fill in the missing numbers.

Bokang o na le Bokang has		Mahlatse o na le Mahlatse has	
		tše ntši ka tše 2 2 more	 4 + 2 = 6
	_____	tše ntši ka l 1 more	_____ + _____ = _____
	_____	tše ntši ka tše 3 3 more	_____ + _____ = _____
	_____	tše ntši ka tše 2 2 more	_____ + _____ = _____
	_____	tše ntši ka tše 3 3 more	_____ + _____ = _____
	_____	tše ntši ka l 1 more	_____ + _____ = _____
	_____	tše ntši ka tše 2 2 more	_____ + _____ = _____

4 Hlakantšha.

Add.

9 + 1 = _____	7 + 3 = _____	5 + 5 = _____	8 + 1 = _____
6 + 3 = _____	4 + 5 = _____	8 + 2 = _____	6 + 4 = _____
3 + 6 = _____	7 + 2 = _____	5 + 4 = _____	3 + 7 = _____

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA
GO FIHLA GA 10
BONDS UP TO 10

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

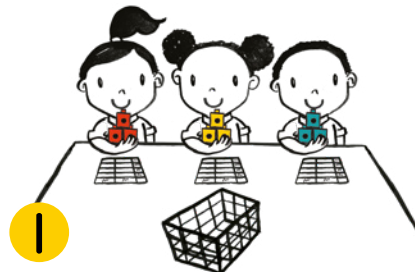
PAPADI
GAME

LETLAKALATŠHOMELO
WORKSHEET

Papadi: Foša dipoloko Game: Throw the blocks

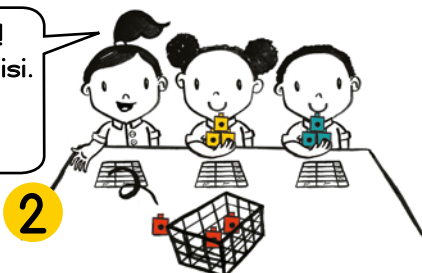
Swara dipoloko tše 3 ka letsogong
le tee. Fanang sebaka sa go fošetšha
dipoloko tša lena ka lepokising.

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



Ke na le 2 ka lepokising!
Ke na le 1 ka ntle ga lepokisi.

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



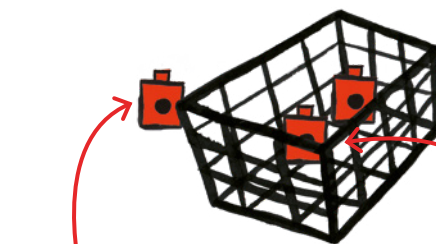
Go raloka nna. Ke na le
3 ka lepokising le 0 ka ntle
ga lepokisi.

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



Šiedišanang le be le
tlatše matlakala a lena
a go rekhota.

Take turns and fill in your record sheets.



Foša 1 Throw 1		2
Foša 2 Throw 2		
Foša 3 Throw 3		
Palomoka Total		

1 Na ke tše kae?

How many?

The first row contains the following objects and their corresponding empty boxes:

- Yellow balloon
- Red balloon
- Black top hat
- Red top hat
- Red cube
- Light blue cube
- Green bow
- Yellow bow

The second row contains a larger collection of these objects. The yellow balloons are marked with checkmarks.

2 Na ke dikgwele tše kae ka lepokising?

How many balls in the box?

The boxes are arranged in three rows:

- Row 1:
 - Box 1: 3 balls (labeled 3)
 - Box 2: 7 balls (labeled 7)
 - Box 3: 3 balls (labeled 3)
 - Box 4: 6 balls (labeled 6)
- Row 2:
 - Box 1: 4 balls (labeled 4)
 - Box 2: 7 balls (labeled 7)
 - Box 3: 4 balls (labeled 4)
 - Box 4: 5 balls (labeled 5)
- Row 3:
 - Box 1: 6 balls (labeled 6)
 - Box 2: 5 balls (labeled 5)

A cartoon tiger is standing next to a box in the third row.

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA
GO FIHLA GA 10
BONDS UP TO 10

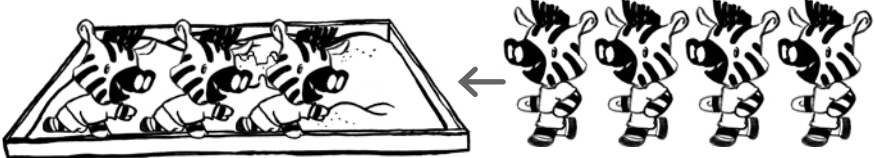
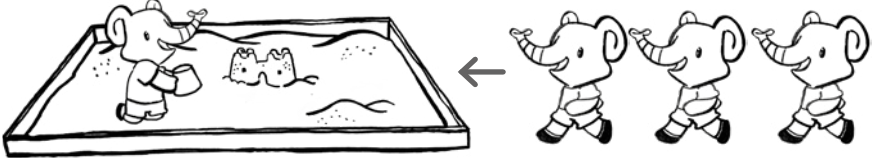
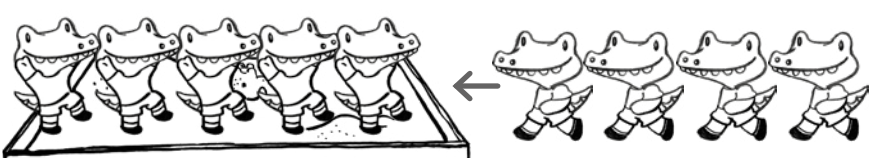
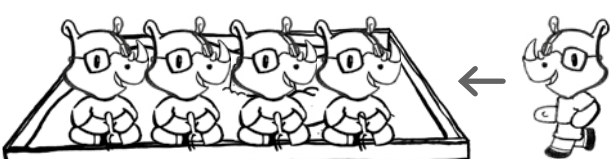
KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Anegela modirišane wa gago kanegelo ya go hlakantšha ka seswantšho se sengwe le se sengwe. Ngwala lefokopalo.

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

		Lefokopalo Number sentence
		 <u>8</u> + <u>2</u> = <u>10</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 Hlakantšha.

Add.

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

$3 + 6 = \underline{\quad}$ $0 + 6 = \underline{\quad}$ $7 + 0 = \underline{\quad}$ $5 + 0 = \underline{\quad}$

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

$0 + 9 = \underline{\quad}$ $5 + 3 = \underline{\quad}$ $5 + 5 = \underline{\quad}$ $5 + 2 = \underline{\quad}$

Papadi: A re hlakantšheng!

Game: Let's add!

Šutha-šuthiša
dikarata tša gago
tša palo.

Shuffle your
number cards.

1

1, 2, 3 bontšha!
1, 2, 3 show!

3

2

Di ribege godimo
ga teseke ya gago.

Put them face
down on your desk.

7!

4

5

Ke mofenyi!
I win!

6

Morutwana yoo a nago le dikarata tše dintši mafelelong
ke yena mofenyi.

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

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA
GO FIHLA GA 10
BONDS UP TO 10

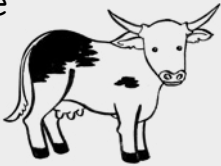
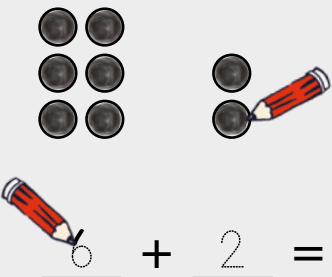
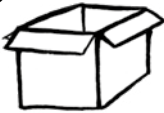
KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

LETLAKALATŠHOMOLO
WORKSHEET

Bala kanegelo. Ke moka o ngwale lefokopalo go rarolla marara.

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

Lesiba o na le dinamune tše 6. Mogwera wa gagwe o tšile le tše dingwe gape tše 2. Na ke dinamune tše kae ka moka ge di hlakana? Lesiba had 6 oranges. His friend brought 2 more. How many oranges altogether? 	 $\underline{\quad} + \underline{2} = \underline{8}$
Mpho o na le matšoba a ma3. Mogwera wa gagwe o na le matšoba a ma3. Na ke matšoba a makae ka moka ge a hlakana? Mpho has 3 flowers. Her friend has 3 flowers. How many flowers altogether? 	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
Ke na le mapokisi a ma5. O na le mapokisi a mangwe a ma3 go fetiša a ka. Na o na le mapokisi a makae? I have 5 boxes. You have 3 more boxes than I do. How many boxes do you have? 	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
Lebo o na le malekere a ma4. Mpho o na le malekere a 6. Na ke malekere a makae ka moka ge a hlakana? Lebo has 4 sweets. Mpho has 6 sweets. How many sweets altogether? 	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
Mpho o na le diapole tše 3. Mma wa gagwe o nyaka diapole tše 2 gape tša go feta tša Mpho. Na mmago Mpho o nyaka diapole tše kae? Mpho has 3 apples. Her mother needs 2 more apples than Mpho has. How many apples does her mother need? 	$\underline{\quad} + \underline{\quad} = \underline{\quad}$

Papadi: A re hlakantšheng!

Game: Let's add!

Šutha-šuthiša
dikarata tša gago
tša palo.

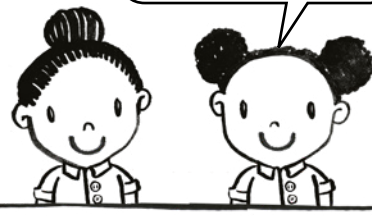
Shuffle your
number cards.



1

Di ribege godimo
ga teseke ya gago.

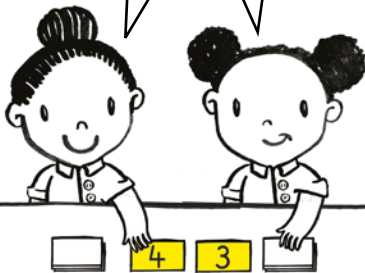
Put them face
down on your desk.



2

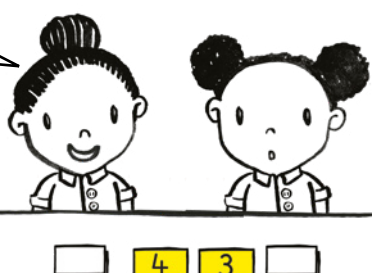
1, 2, 3 bontšha!

1, 2, 3 show!

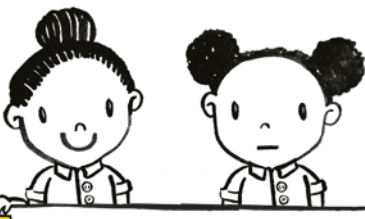


3

7!



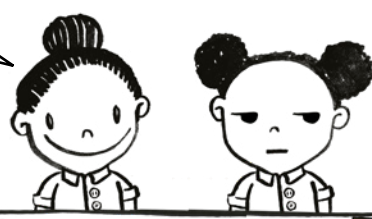
4



5

Ke mofenyi!

I win!



6

Morutwana yoo a nago le dikarata tše dintši mafelelong
ke yena mofenyi.

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

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA
GO FIHLA GA 10
BONDS UP TO 10

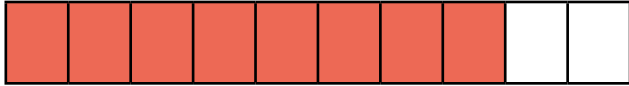
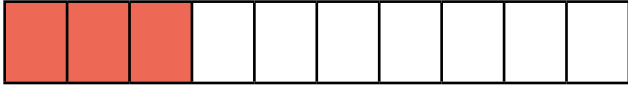
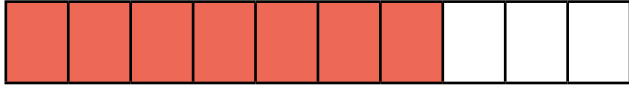
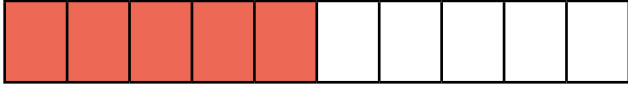
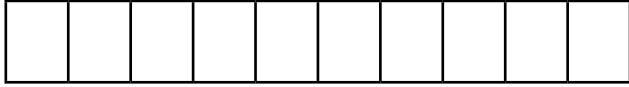
KGODIŠO YA KGOPOLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

I Feleletšha lefokopalo.

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 Rarolla o be o khalare.

Solve and colour.



3 Ngwala mafokopalo.

Write number sentences.

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

LETLAKALATŠHOMELO
WORKSHEET

LETLAKALATŠHOMELO
WORKSHEET

1 Hlakantšha.

Add.

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

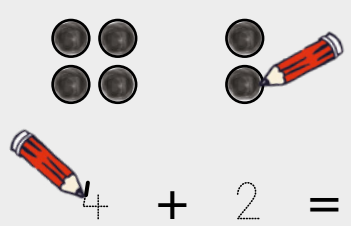
$$1 + 7 = \underline{\quad} \quad 2 + 3 = \underline{\quad} \quad 2 + 5 = \underline{\quad} \quad 1 + 8 = \underline{\quad}$$

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

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

2 Bala kanegelo. Ke moka o ngwale lefokopalo la go rarolla marara.

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

Mma o be a na le ditšhelo tše 4. Sesi a tliša tše 2 gape. Na ke ditšhelo tše kae ge di hlakana ka moka? Mother had 4 bowls. My sister brought 2 more. How many bowls altogether?	 $\underline{4} + \underline{2} = \underline{6}$
Jabu o na le dipoloko tše 5. Mogwera wa gagwe o na le dipoloko tše 3. Na ke dipoloko tše kae ge di hlakana ka moka? Jabu has 5 blocks. His friend has 3 blocks. How many blocks altogether?	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
Mike o na le dinamune tše 2. Mma wa gagwe o nyaka dinamune tša go feta tša Mike ka tše 5. Na ke dinamune tše kae tšeo mma wa gagwe a di nyakago? Mike has 2 oranges. His mother needs 5 more oranges than Mike has. How many oranges does his mother need?	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
Ke na le malekere a 7. Wena o na le malekere a go feta a ka ka a ma3. Na o na le malekere a makae? 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 Na go na le dikgwele tše kae ka lepokising?

How many balls in the box?

4 Rarolla o be o khalare.

Solve and colour.



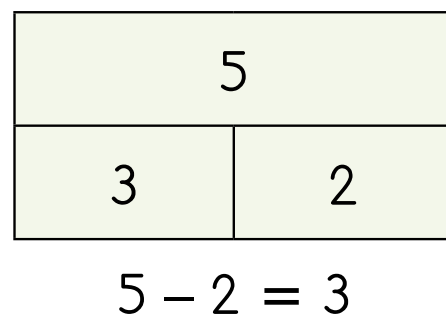
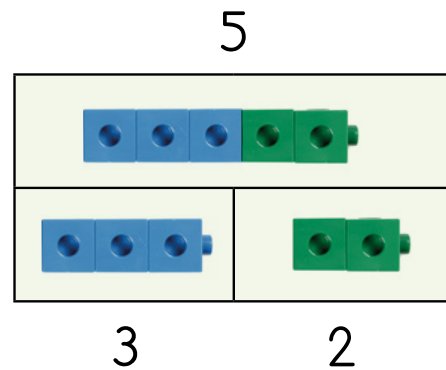
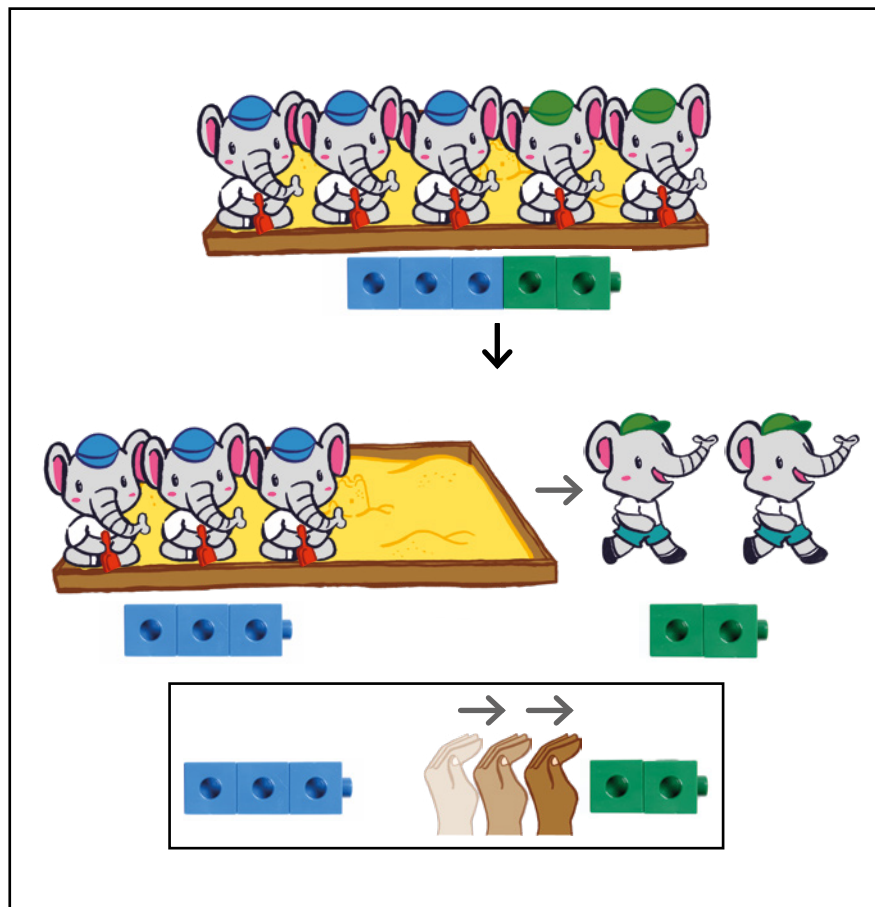
MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA
GO FIHLA GA 10
BONDS UP TO 10

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

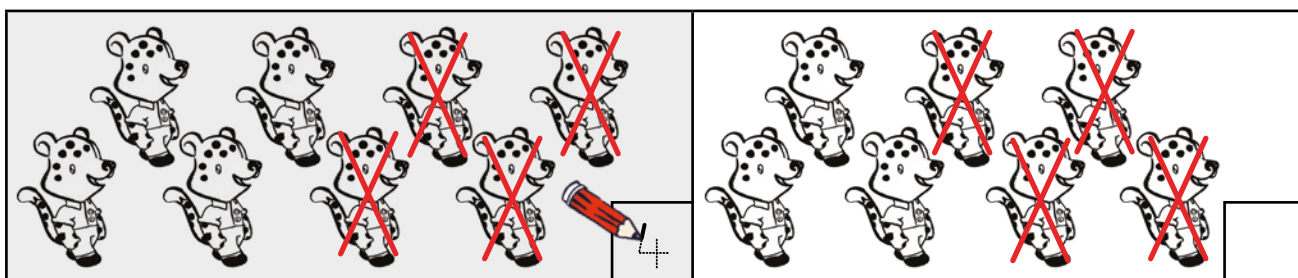
PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS



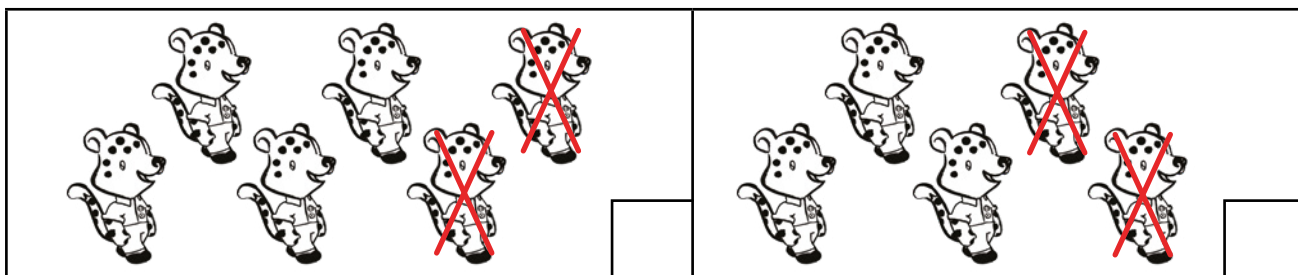
1 Ge tše 4 di tšhaba, na go šala tše kae?

If 4 run away, how many are left behind?



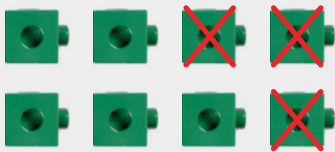
Ge tše 2 di tšhaba, na go šala tše kae?

If 2 run away, how many are left behind?



2 Šomiša dipoloko tša gago. Na go šetše tše kae?

Use your blocks. How many are left?

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

Go šomiša mafokopalo go laetša go ntšha

Using number sentences to show subtraction

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA
GO FIHLA GA 10
BONDS UP TO 10

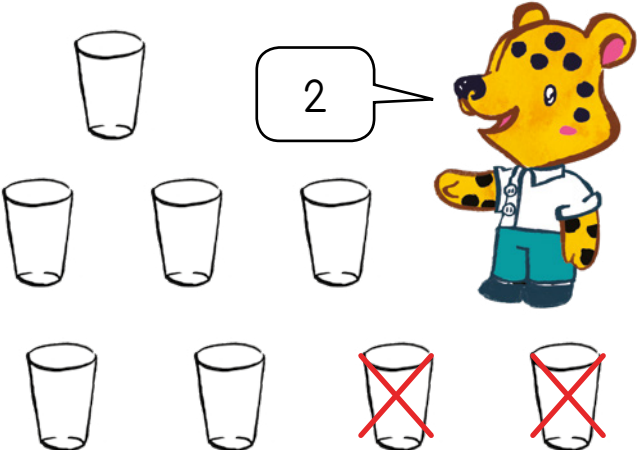
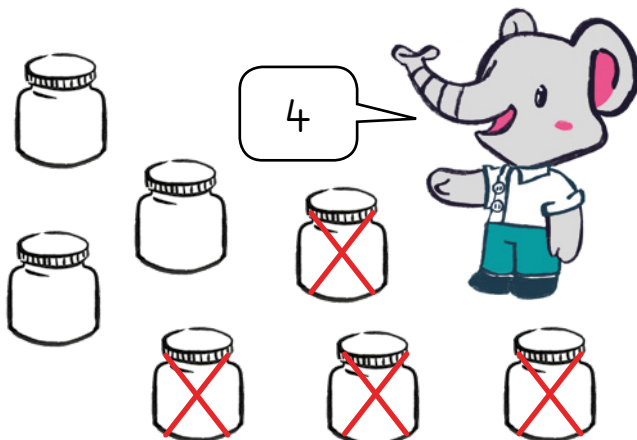
KGODIŠO YA KGOPOLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Ge ke tšea ____, na go šetše tše kae?

If I take ____, how many remain?

 Go šetše tše <u>2</u> <u>2</u> remain	 Go šetše tše ____ ____ remain
 Go šetše tše ____ ____ remain	 Go šetše tše ____ ____ remain

2 Šomiša dipoloko tša gago. Na go šetše bokae?

Use your blocks. How many are left?

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

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

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

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

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

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

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

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

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

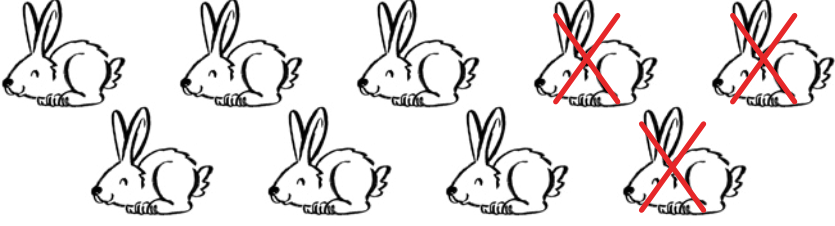
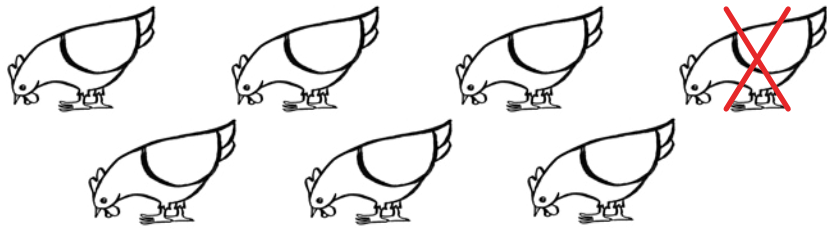
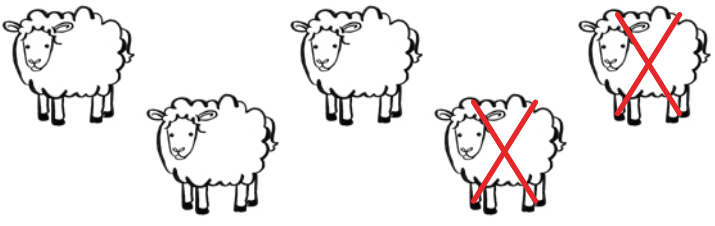
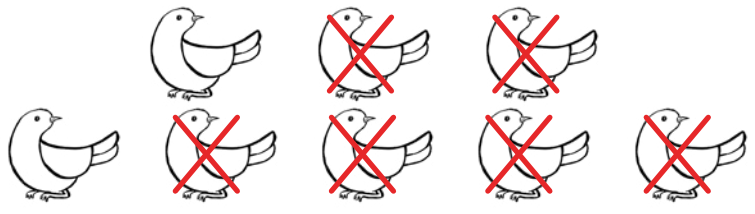
$6 - 4 = \underline{\quad}$

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

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

3 Na go šetše tše kae? Ngwala lefokopalo.

How many are left? Write the number sentence.

	 $\underline{8} - \underline{2} = \underline{6}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$

Go ntšha (karolo-tlalo)

Subtraction (part-whole)

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA
GO FIHLA GA 10
BONDS UP TO 10

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

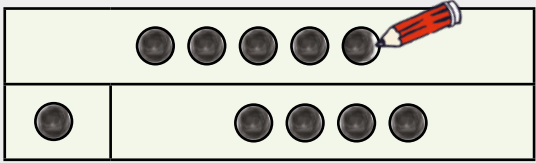
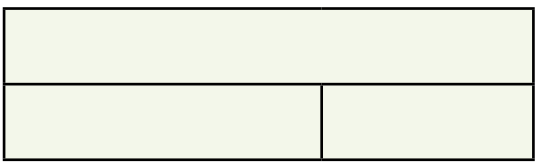
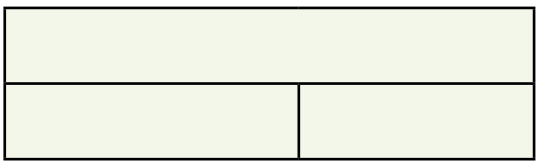
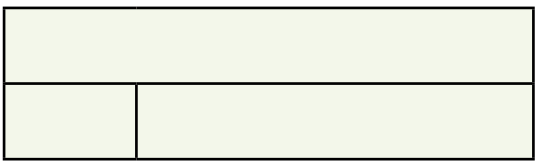
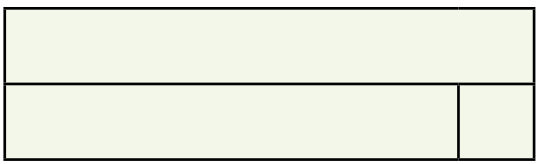
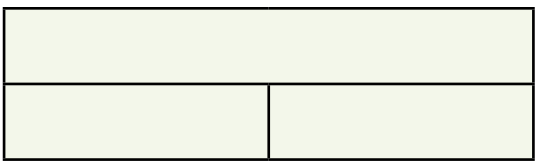
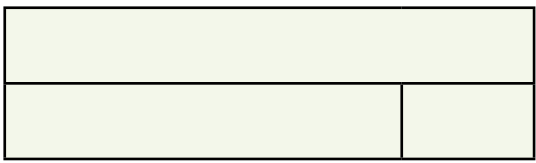
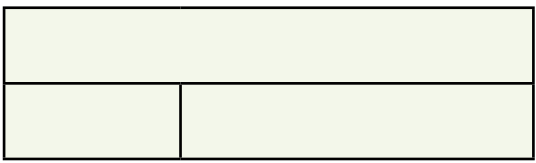
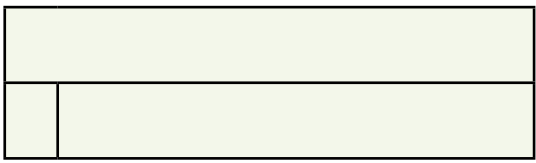
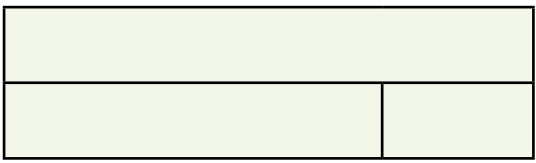
PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Na ke dikgwele tše kae tšeo di swanetšego go ba ka gare ga lepokisi leo le se nago selo?
How many balls should be in the empty box?

2 Thala marontho ka gare ga tafola ya karolo-tlalo o be o feleletše lefokopalo.

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

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

Go šomiša mafokopalo go laetša go ntšha

Using number sentences to show subtraction

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA
GO FIHLA GA 10
BONDS UP TO 10

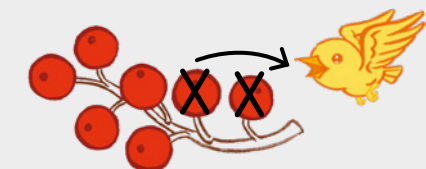
KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

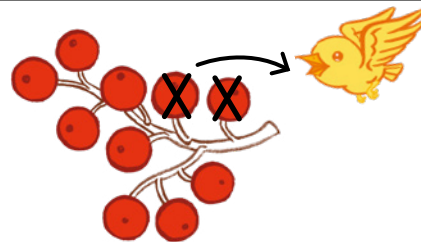
I Na go šetše diritekenywa tše kae? Ngwala mafoko a go ntšha.

How many berries are left? Write the subtraction sentences.

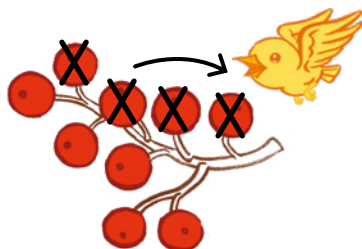


2	7 5

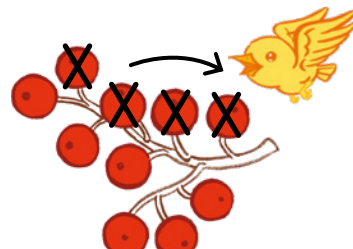
$7 - 2 = 5$



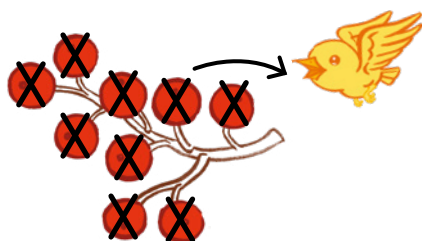
___ - ___ = ___



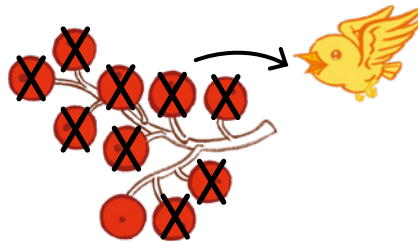
___ - ___ = ___



___ - ___ = ___



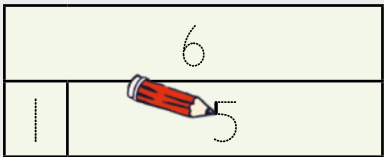
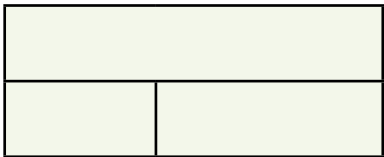
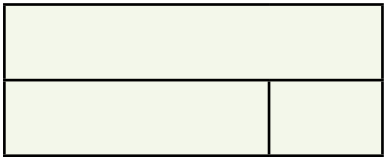
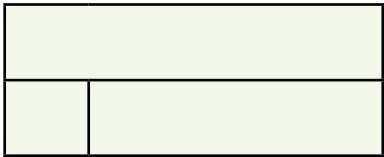
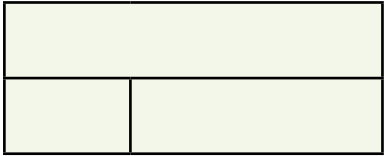
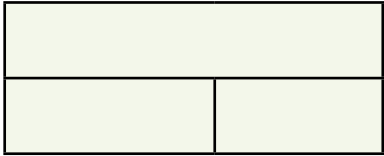
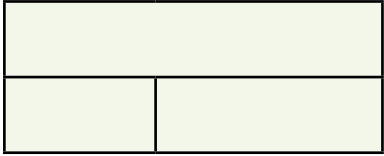
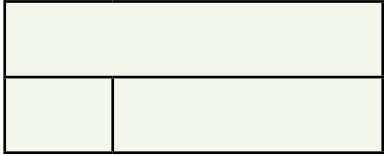
___ - ___ = ___



___ - ___ = ___

2 Ngwala dipalo mo tafoleng o be o feleletše mafokopalo.

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

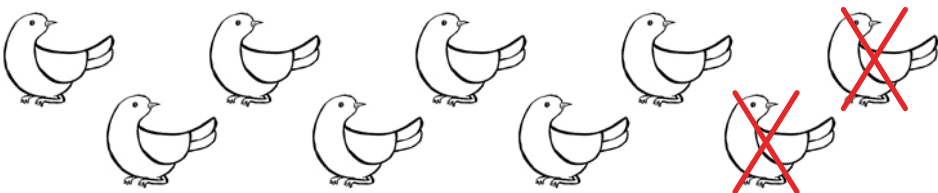
 $6 - 1 = \underline{\quad}$	 $5 - 2 = \underline{\quad}$
 $10 - 7 = \underline{\quad}$	 $9 - 2 = \underline{\quad}$
 $8 - 7 = \underline{\quad}$	 $7 - 4 = \underline{\quad}$
 $6 - 2 = \underline{\quad}$	 $9 - 5 = \underline{\quad}$
 $10 - 4 = \underline{\quad}$	 $7 - 2 = \underline{\quad}$

LETLAKALATŠHOMELO
WORKSHEET

LETLAKALATŠHOMELO
WORKSHEET

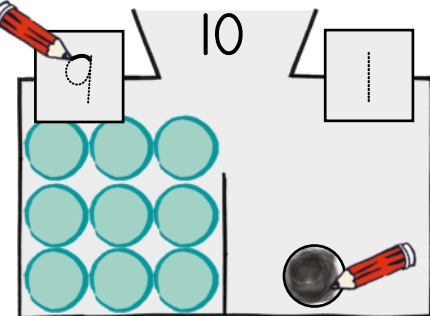
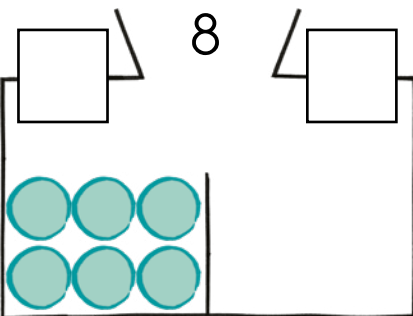
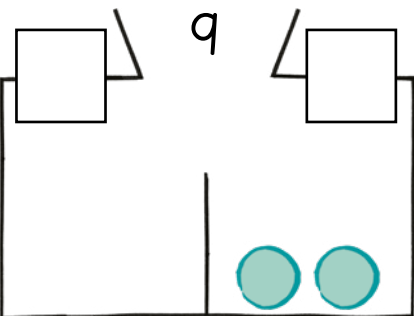
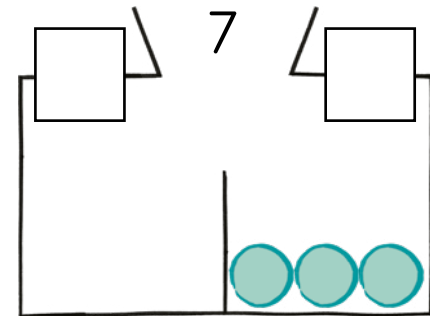
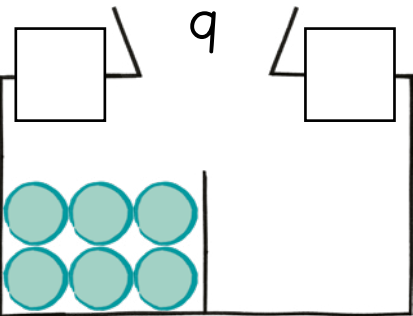
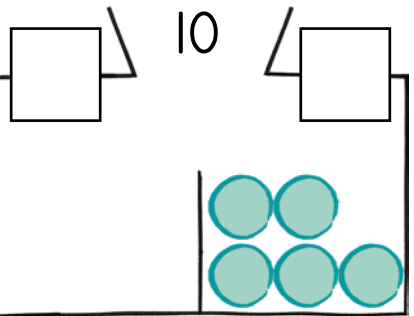
1 Na go šetše tše kae? Ngwala lefokopalo.

How many are left? Write the number sentence.

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

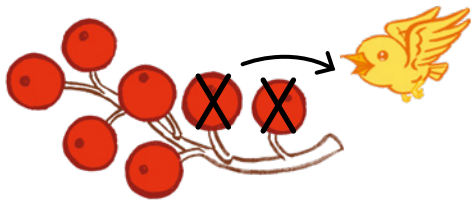
2 Na ke dikgwele tše kae tšeo di swanetšego go ba ka gare ga lepokisi la go se be le selo?

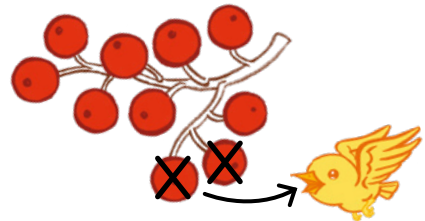
How many balls should be in the empty box?

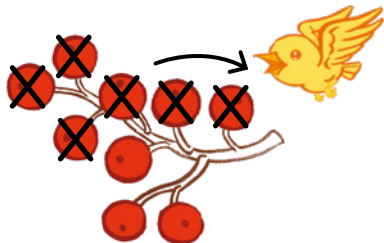
		
		

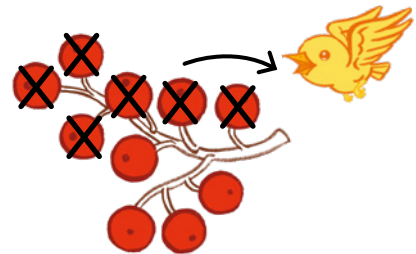
3 Na go šetše diritekenywa tše kae? Ngwala mafoko a go ntšha.

How many berries are left? Write the subtraction sentences.



$$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$$


$$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$$


$$\frac{\text{_____}}{\text{_____}} - \frac{\text{_____}}{\text{_____}} = \frac{\text{_____}}{\text{_____}}$$


$$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$$

4 Šomiša dipoloko tša gago. Na go šala tše kae?

Use your blocks. How many are left?

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

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

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

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

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

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

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

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

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

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

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

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

$$6 - 4 =$$

$6 - 2 =$

$10 - 3 =$

$10 - 7 =$

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA
GO FIHLA GA 10
BONDS UP TO 10

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

I Ngwala mafokopalo.

Write number sentences.

  $10 - 1 = 9$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$
 $\underline{\quad} - \underline{\quad} = \underline{\quad}$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$
 $\underline{\quad} - \underline{\quad} = \underline{\quad}$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$
 $\underline{\quad} - \underline{\quad} = \underline{\quad}$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$
 $\underline{\quad} - \underline{\quad} = \underline{\quad}$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$

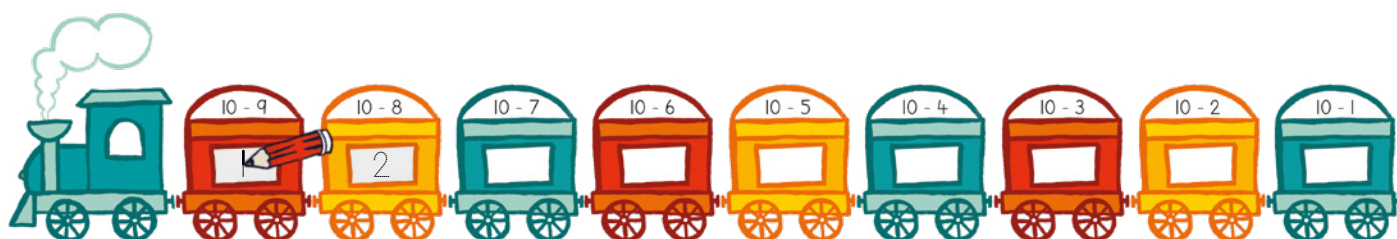
2 Ngwala mafoko a go ntšha o a lekantšhe le dipalo tša ka gare ga dipoloko.

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 Ntšha o be o ngwale dikarabo ka tereneng.

Subtract and write the answers in the train.



MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA
GO FIHLA GA 10
BONDS UP TO 10

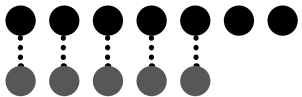
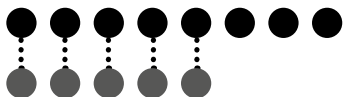
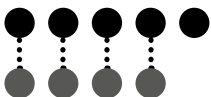
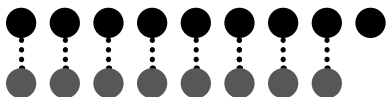
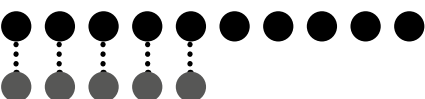
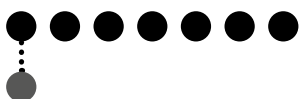
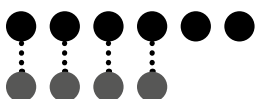
KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Na phapano ke eng?

What is the difference?

  $9 - 3 = 6$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$
 $\underline{\quad} - \underline{\quad} = \underline{\quad}$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$
 $\underline{\quad} - \underline{\quad} = \underline{\quad}$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$

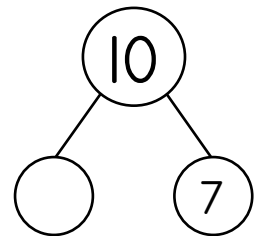
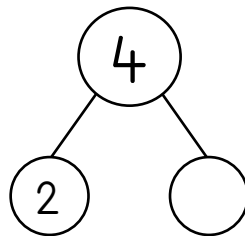
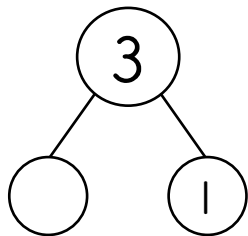
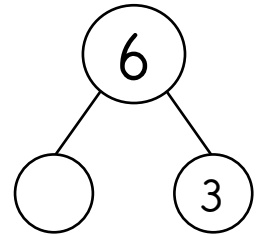
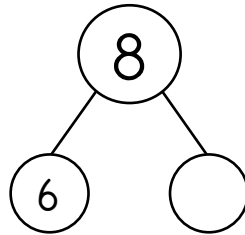
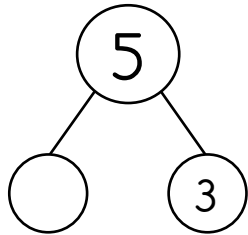
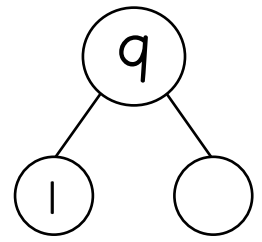
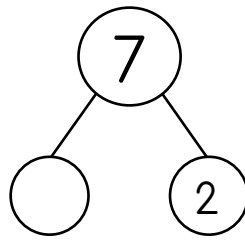
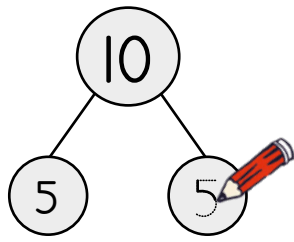
2 Thala marontho go rarolla marara.

Draw dots to solve the problems.

Ke na le dikgomaretši tše 4 gomme mogwera wa ka o na le tše 2. Na phapano ke eng magareng ga palo ya dikgomaretši tšeo re nago le tšona? I have 4 stickers and my friend has 2 stickers. What is the difference between the number of stickers we have?	   $4 - 2 = 2$
Go na le ditulo tše 10 ka phapošing ye le ditulo tše 7 ka phapošing ya go latela. Na phapano ke eng magareng ga palo ya ditulo tšeo di lego ka diphapošing? 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 Tlatša didiko tšeo di se nago selo.

Fill the empty circles.



4 Thala marontho o be o ntšhe.

Draw dots and subtract.

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

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA
GO FIHLA GA 10
BONDS UP TO 10

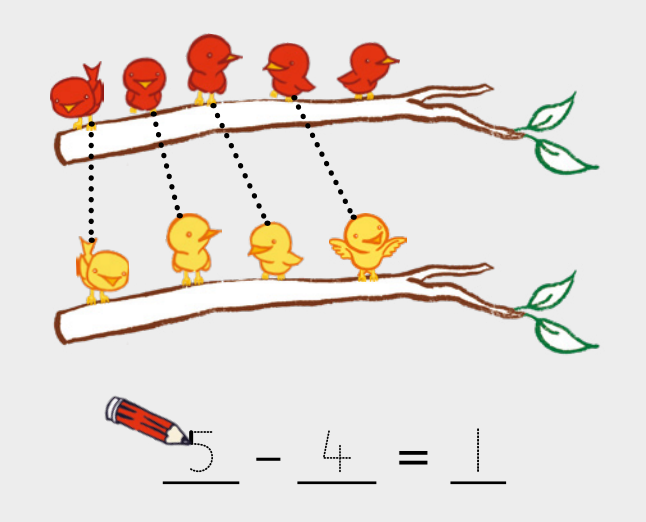
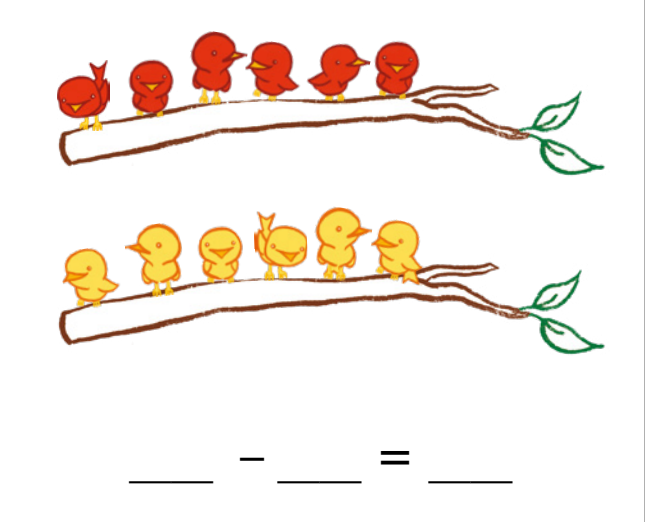
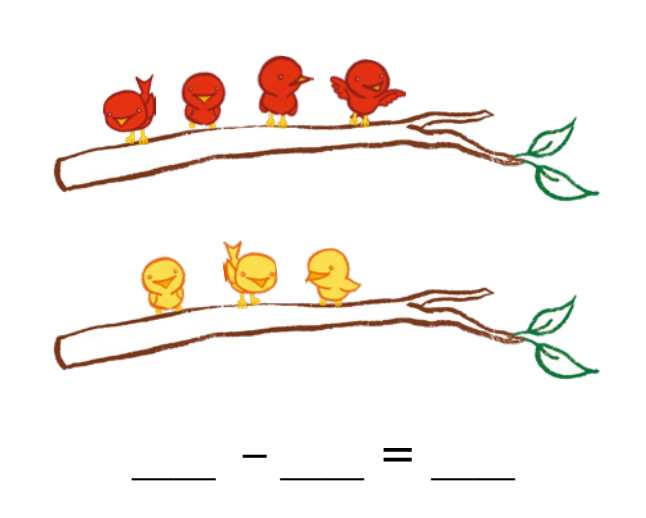
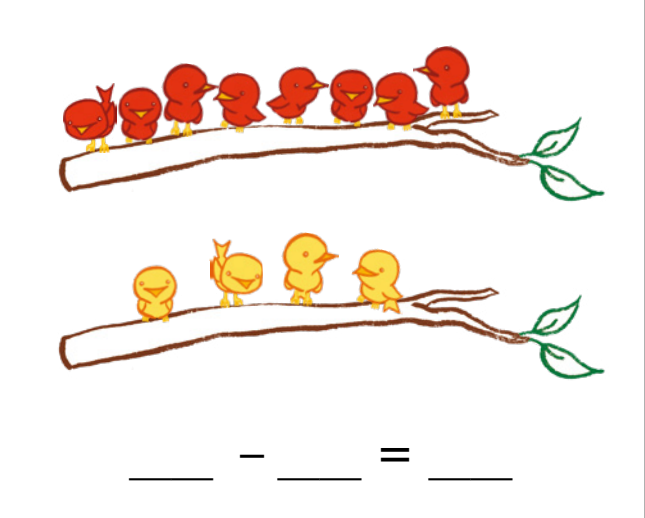
KGODIŠO YA KGOPOLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Na phapano ke eng?

What is the difference?

 5 - 4 = 1	 _____ - _____ = _____
 _____ - _____ = _____	 _____ - _____ = _____

2 Na phapano ke eng?

What is the difference?

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

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

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

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

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

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

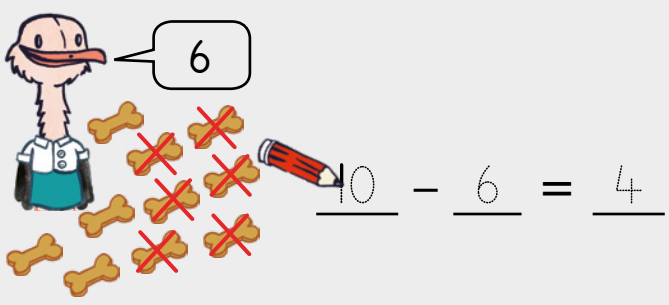
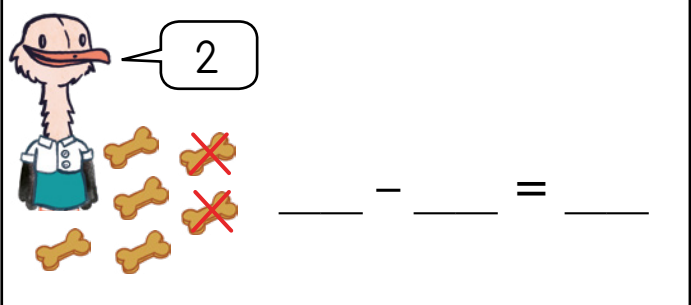
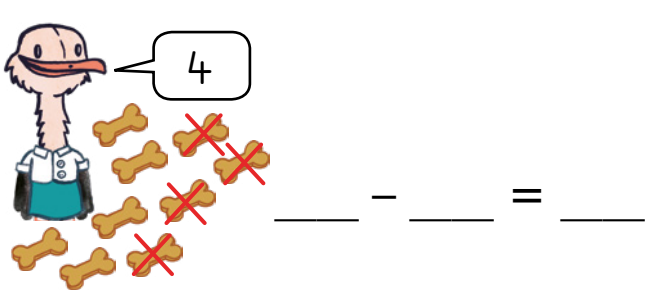
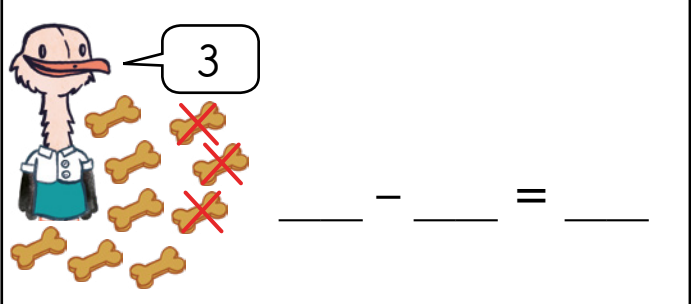
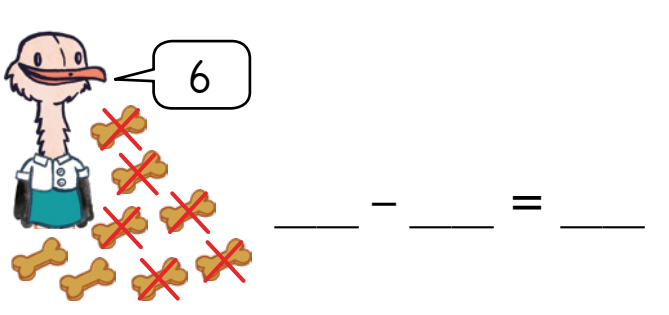
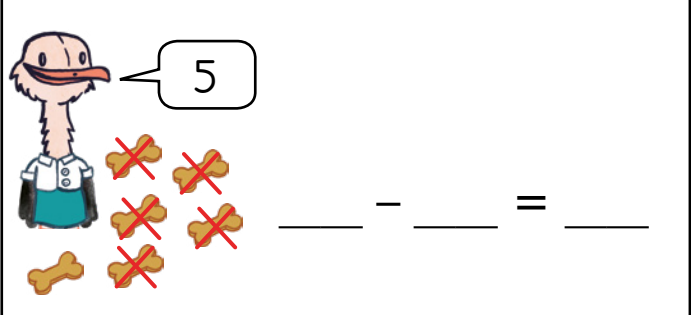
$$7 - 3 = \underline{\quad}$$

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

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

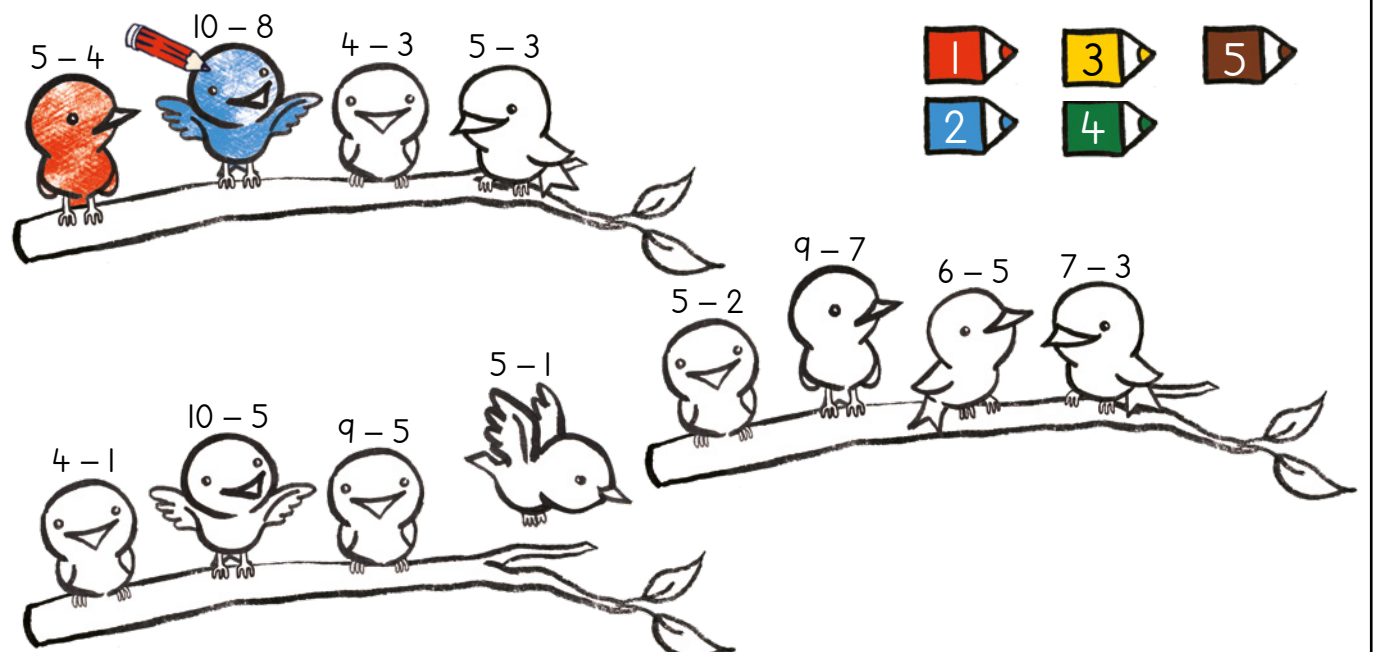
3 Na go šala dipisikiti tše kae ge Lala a e ja tše ____?

How many biscuits are left if Lala eats ____?

4 Ntšha o be o khalare.

Subtract and colour.



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

Row 1: 5 - 4, 10 - 8, 4 - 3, 5 - 3

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

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA
GO FIHLA GA 10
BONDS UP TO 10

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

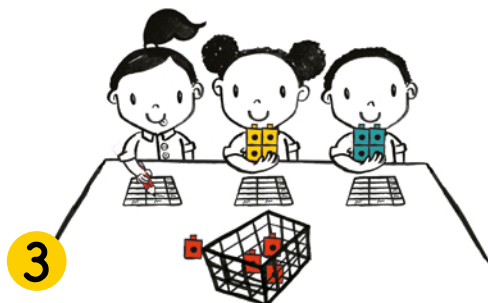
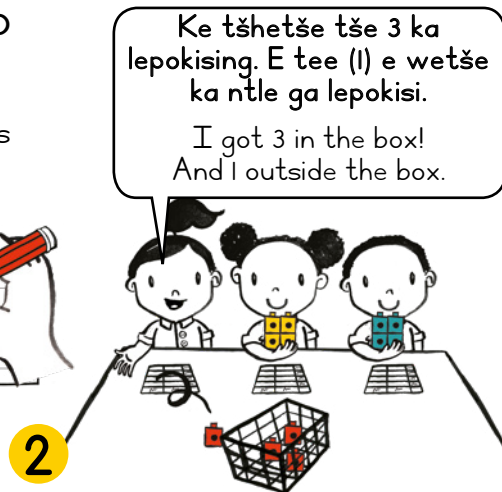
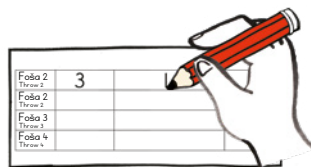
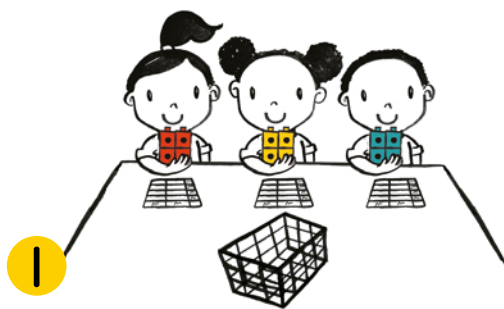
PAPADI
GAME

LETLAKALATŠHOMELO
WORKSHEET

Papadi: Foša dipoloko Game: Throw the blocks

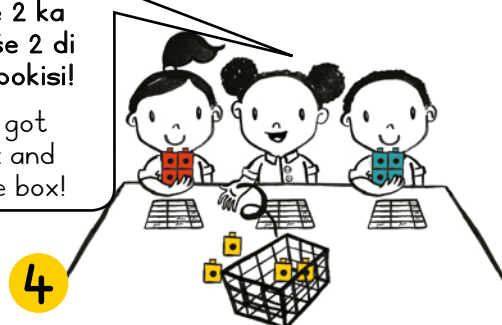
Swara dipoloko tše 4 ka letsogong le tee.
Fanang sebaka sa go fošetša dipoloko
tša lena ka lepokising.

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



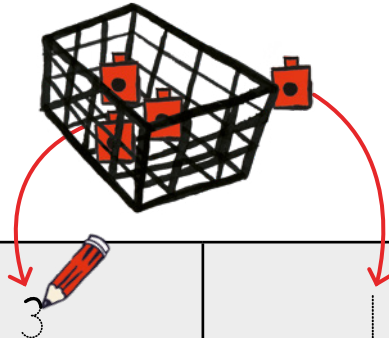
Go foša nna. Ke
tšhetše tše 2 ka
lepokising, tše 2 di
ka ntle ga lepokisi!

My turn. I got
2 in the box and
2 outside the box!



Šiedišanang le be le tlatše matlakala a lena a go rekhota.
Hwetšang phapano magareng ga palo ye kgolo kudu le palo
ya nnyane kudu.

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



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

1 Ntšha gore o feleletše tafola ye.

Subtract to complete the table.

Mathomong dikonopo e be e le tše Buttons in the beginning	Sisanda o tšea tše Sisanda takes	Go šala dikonopo tše Buttons left over
10	5	5 
8	8	
6	0	
9	6	
5	5	
7	0	
10	10	

2 Ntšha.

Subtract.

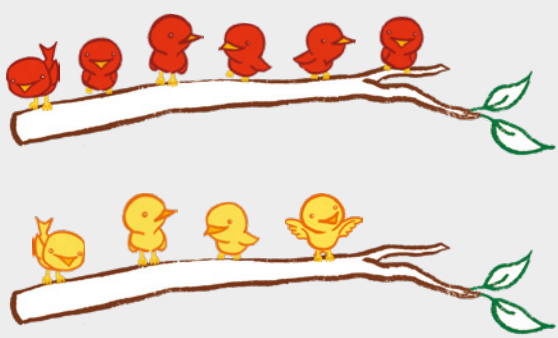
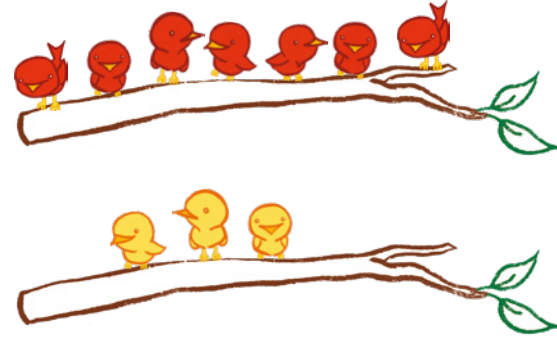
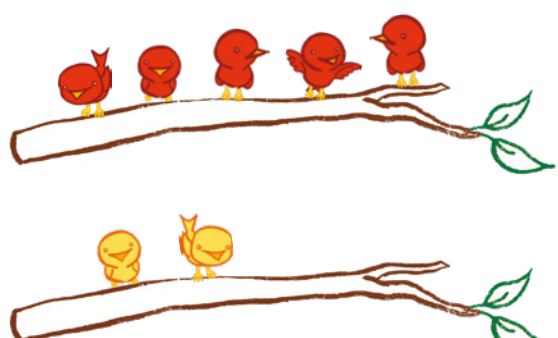
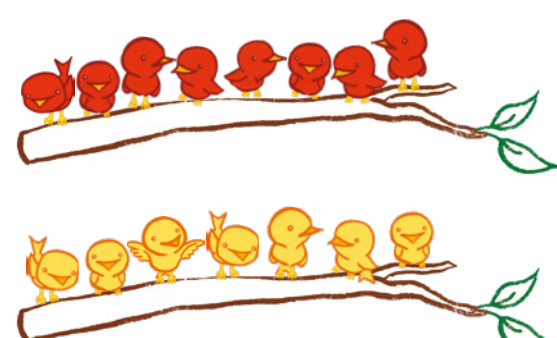
$1 - 1 = \underline{\quad}$	$10 - 10 = \underline{\quad}$
$1 - 0 = \underline{\quad}$	$10 - 0 = \underline{\quad}$
$3 - 0 = \underline{\quad}$	$6 - 0 = \underline{\quad}$
$3 - 3 = \underline{\quad}$	$6 - 6 = \underline{\quad}$
$5 - 5 = \underline{\quad}$	$8 - 8 = \underline{\quad}$
$5 - 0 = \underline{\quad}$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

LETLAKALATŠHOMELO
WORKSHEET

LETLAKALATŠHOMELO
WORKSHEET

1 Phapano ke eng?

What is the difference?

  $6 - 4 = 2$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$
 $\underline{\quad} - \underline{\quad} = \underline{\quad}$	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$

2 Phapano ke eng?

What is the difference?

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

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

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

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

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

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

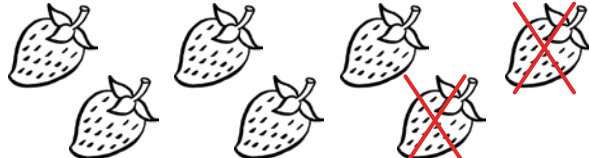
$10 - 3 = \underline{\quad}$

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

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

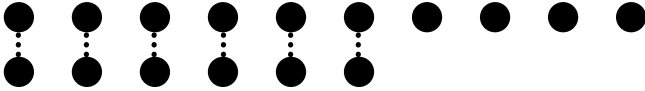
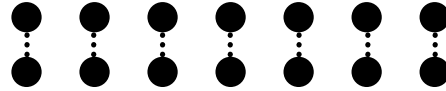
3 Ngwala mafokopalo.

Write the number sentences.

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

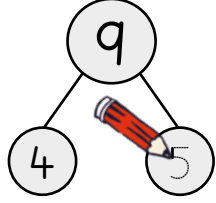
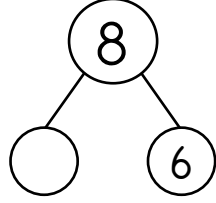
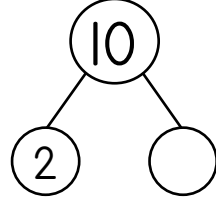
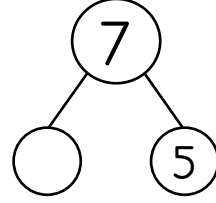
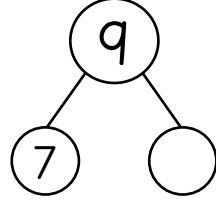
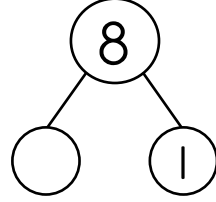
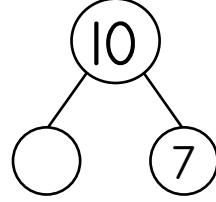
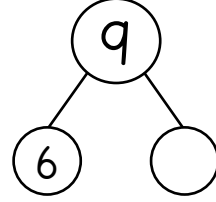
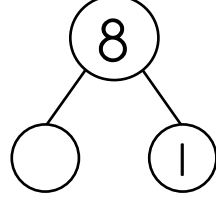
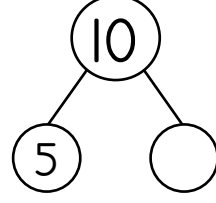
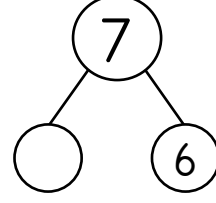
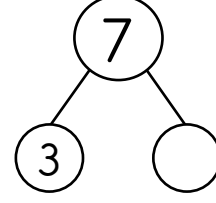
4 Na phapano ke eng?

What is the difference?

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

5 Tlatša didiko tšeo di se nago selo.

Fill the empty circles.

MMETSE
WA HLOGO
MENTAL MATHS

PAPADI YA GO SALUTA
SALUTE GAME

KGODIŠO YA KGOPOLO
CONCEPT DEVELOPMENT

PAPADI
GAME

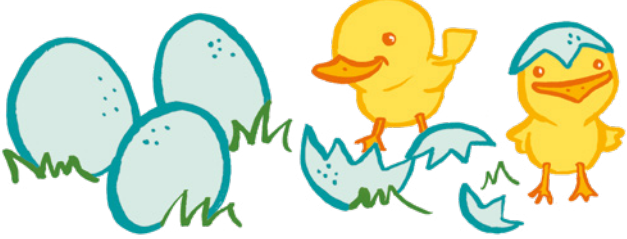
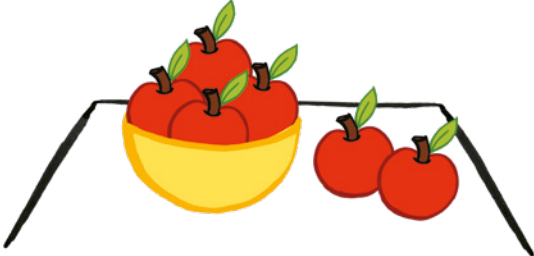
MATLAKALATŠHOMELO
WORKSHEETS

1 Anegela mogwera kanegelo ya go ntšha ka seswantšho se sengwe le se sengwe.

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

2 Ngwala lefokopalo la seswantšho se sengwe le se sengwe.

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

3 Rarolla marara.

Solve the problems.

						
Sewela o na le diphaneapole tše 7. O ja diphaneapole tše 2. Na go šetše diphaneapole tše kae? Sewela has 7 pineapples. She eats 2 pineapples. How many pineapples are left?					 $\underline{\quad} - \underline{2} = \underline{5}$	

									
Tumelo o na le dinamune tše 10. O fana ka dinamune tše 6. Na o na le dinamune tše kae tše di šetšego? Tumelo has 10 oranges. She gives away 6 oranges. How many oranges does she have left?						$\underline{\quad} - \underline{\quad} = \underline{\quad}$			

							
Lethabo o na le diapole tše dingwe tše dikhubedu le tše dingwe tše ditalamorogo. O na le diapole tše 8. Tše 2 tša diapole ke tše dikhubedu. Na diapole tše ditalamorogo ke tše kae? Lethabo has some red apples and some green apples. She has 8 apples. 2 of the apples are red. How many apples are green?						$\underline{\quad} - \underline{\quad} = \underline{\quad}$	

								
Mpho o na le dikomiki tše 9. Tše 3 tša tšona di na le ditšhila efela tše dingwe ka moka di hlwekile. Na o na le dikomiki tše kae tše di hlwekilego? Mpho has 9 mugs. 3 of them are dirty, but the rest are clean. How many clean mugs does she have?						$\underline{\quad} - \underline{\quad} = \underline{\quad}$		

Go hlakantšha le go ntšha

Addition and subtraction

MMETSE
WA HLOGO
MENTAL MATHS

PAPADI YA GO SALUTA
SALUTE GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

I Hlama leloko la mafokopalo ka se sengwe le se sengwe sa diswantšho tše.

Create a family of **number sentences** for each of the pictures.

	$\begin{array}{r} 5 + 2 = 7 \\ 7 - 2 = 5 \end{array}$	$\begin{array}{r} 2 + 5 = 7 \\ 7 - 5 = 2 \end{array}$
	$\begin{array}{r} _ + _ = _ \\ _ - _ = _ \end{array}$	$\begin{array}{r} _ + _ = _ \\ _ - _ = _ \end{array}$
	$\begin{array}{r} _ + _ = _ \\ _ - _ = _ \end{array}$	$\begin{array}{r} _ + _ = _ \\ _ - _ = _ \end{array}$
	$\begin{array}{r} _ + _ = _ \\ _ - _ = _ \end{array}$	$\begin{array}{r} _ + _ = _ \\ _ - _ = _ \end{array}$
	$\begin{array}{r} _ + _ = _ \\ _ - _ = _ \end{array}$	$\begin{array}{r} _ + _ = _ \\ _ - _ = _ \end{array}$
	$\begin{array}{r} _ + _ = _ \\ _ - _ = _ \end{array}$	$\begin{array}{r} _ + _ = _ \\ _ - _ = _ \end{array}$
	$\begin{array}{r} _ + _ = _ \\ _ - _ = _ \end{array}$	$\begin{array}{r} _ + _ = _ \\ _ - _ = _ \end{array}$

2 Feleletša ka go hlakantšha goba go ntšha.

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

8	
1	

9	
	5

10	
9	

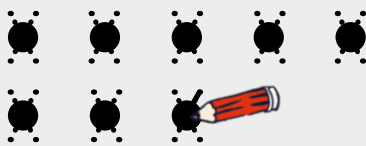
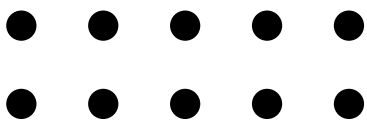
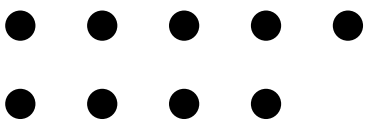
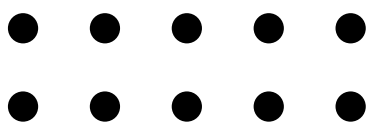
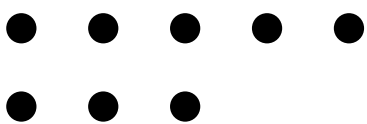
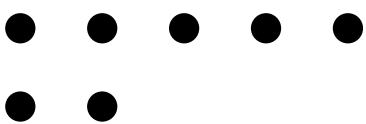
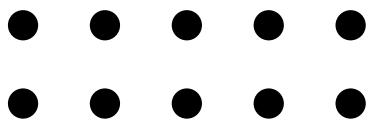
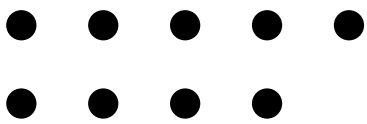
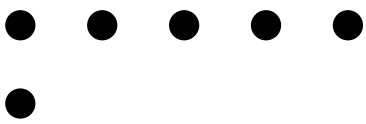
10	
7	

7	
	2

10	
	4

3 Ntšha marontho ka go thala sefapano o be o feleletše mafokopalo.

Cross out the dots and complete the number sentences.

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

Raloka ka go hlakantšha le go ntšha

Play with addition and subtraction

MMETSE
WA HLOGO
MENTAL MATHS

PAPADI YA GO SALUTA
SALUTE GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

LETLAKALATŠHOMELO
WORKSHEET

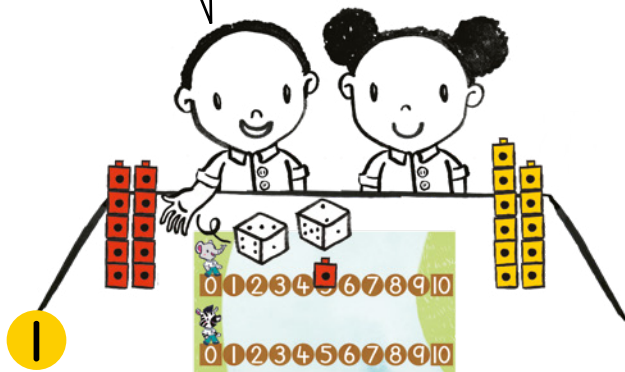
Papadi: Khupetša maswika a go namelela

Game: Cover the stepping stones

Foša mataese a ma2. Akanya ge eba o nyaka go hlakantšha goba go ntšha ke moka o bee poloko godimo ga leswika la go namelela le karabo yeo. 6 ke palo ya mahlatse – ge o ka foša 6 o ka e dira palo ye nngwe le ye nngwe yeo o e nyakago.

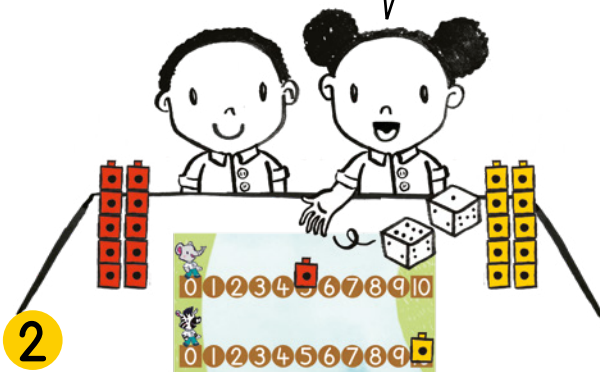
Roll 2 dice. Decide whether you want to add or subtract and then put a block on the stepping stone with that answer. 6 is a lucky number – if you roll a 6 you can make it any number you want.

Ke ilo hlakantšha.
3 hlakanya le 2 di lekana le 5.
I am going to add.
3 plus 2 equals 5.

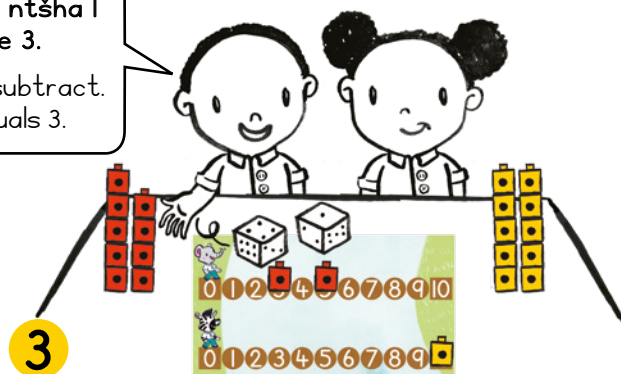


Yee! Ke hweditše palo ya mahlatse 6.
Ke ilo e dira 9 ka ba ka hlakantšha. 9
hlakanya le 1 di lekana le 10.

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



Ke ilo ntšha. 4 ntšha 1
di lekana le 3.
I am going to subtract.
4 minus 1 equals 3.



Motho wa mathomo wa go khupetša maswika a gagwe ka moka ke mofenyi.

The first person to cover all their stones is the winner.

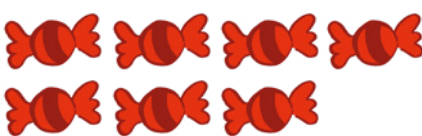
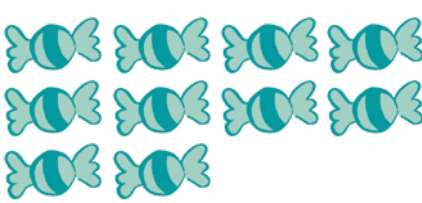
1 Tlatša dipalo tšeo di tlogetšwego.

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 Ngwala lefokopalo o be o rarolle marara.

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

Ke na le malekere a 8. I have 8 sweets. 	Ke ja malekere a 8. Na go šetše malekere a makae? I eat 8 sweets. How many are left?	 $\underline{8} - \underline{8} = \underline{0}$
Ke na le malekere a 7. I have 7 sweets. 	Koko wa ka o mpha malekere a mangwe gape a ma3. Na ke na le a makae? My granny gives me 3 more sweets. How many do I have?	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
Ke na le malekere a 10. I have 10 sweets. 	Sesi wa ka o na le malekere a manyane ka 3 go a ka. Na sesi wa ka o na le malekere a makae? My sister has 3 less sweets than me. How many does my sister have?	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
Ke na le malekere a 7. I have 7 sweets. 	Buti wa ka o na le malekere a mantši ka 2 go feta nna. My brother has 2 more sweets than me. How many does my brother have?	$\underline{\quad} + \underline{\quad} = \underline{\quad}$

MMETSE
WA HLOGO
MENTAL MATHS

PAPADI YA GO SALUTA
SALUTE GAME

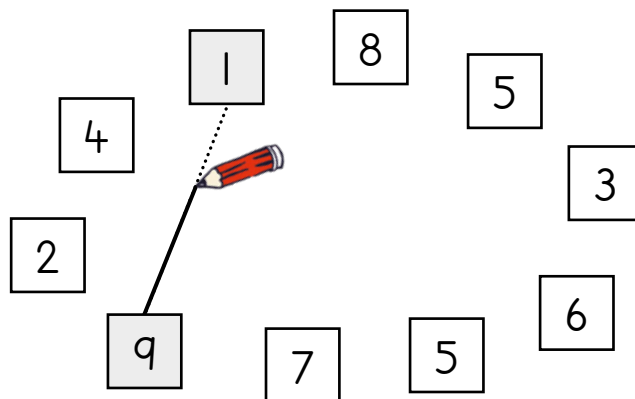
KGODIŠO YA KGOPOLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

- 1 Dira 10 ka go thala mothalo go hlakantšha dipalo.

Make 10 by drawing a line to add numbers.



- 2 Rarolla marara o be o ngwale mafokopalo.

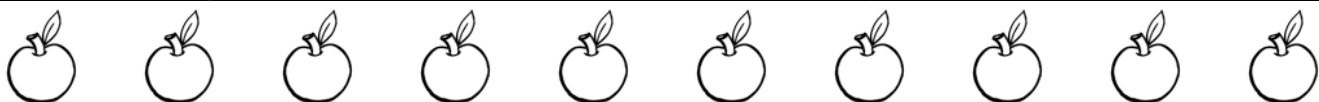
Solve the problems and write the number sentences.



Go na le dihlapi tše ditalaleratadima tše 5 le dihlapi tše dipududu tše 4 ka letamong. Na go na le dihlapi tše kae ge di hlakana ka moka?

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

$$5 + 4 = 9$$



Ke na le diapole tše 10. Ke jele tše 5. Na go šetše tše kae?

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

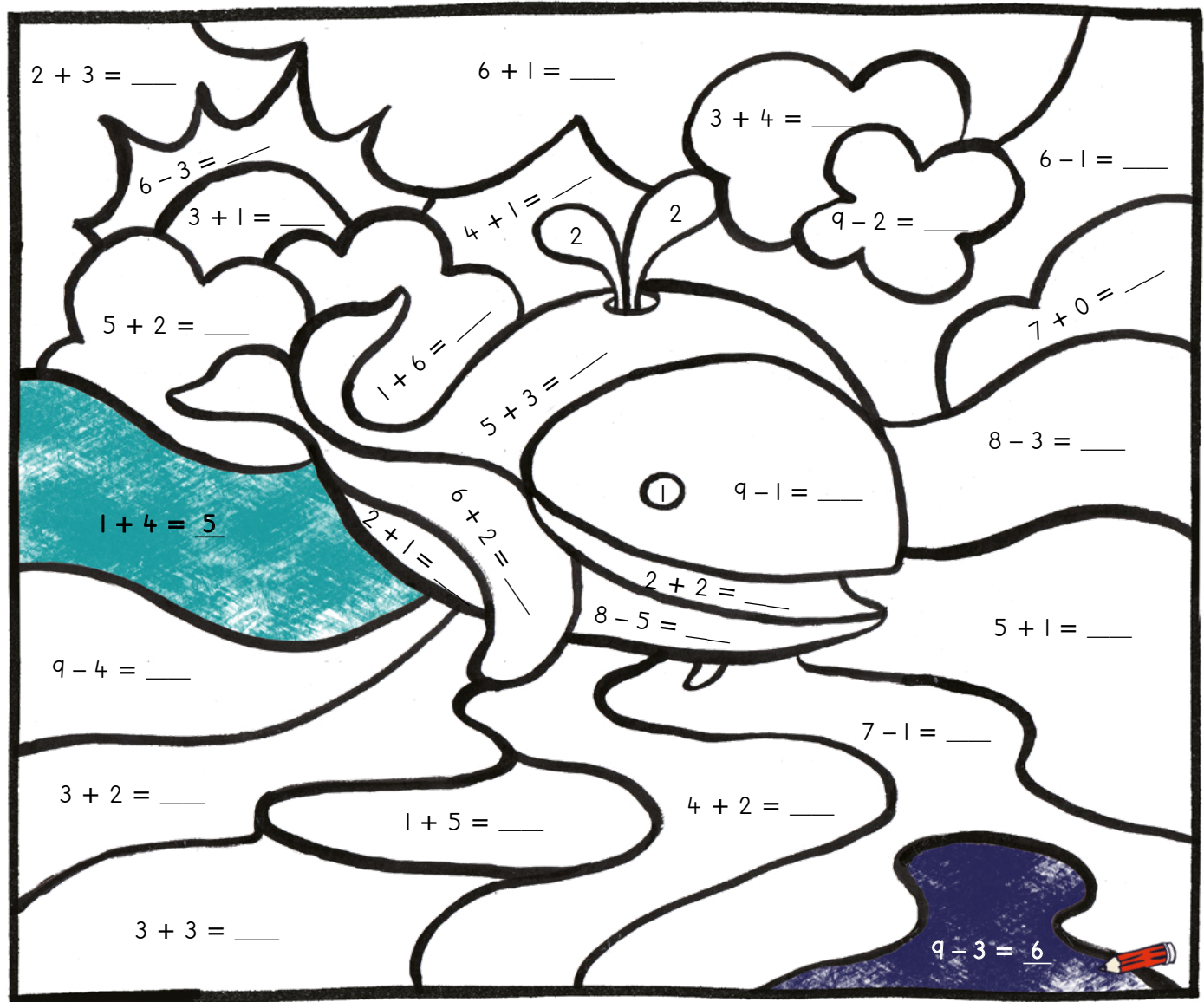


Ke na le malekere a mangwe ka mokotleng le malekere a ma2 ka letsogong la ka. Ke na le malekere a 8 ge a hlakana ka moka. Na go na le malekere a makae ka mokotleng?

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 Rarolla o be o khalare.

Solve and colour.



1 ntsho/black

2 talamorogo/green

3 namune/orange

4 khubedu/red

5 tala ya go taga/light blue

6 tala ya go tiba/dark blue

7 šweu/white

8 phepholo/purple

LETLAKALATŠHOMELO
WORKSHEET

LETLAKALATŠHOMELO
WORKSHEET

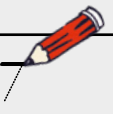
1 Hlama leloko la mafokopalo a seswantšho se sengwe le se sengwe.

Create a family of **number sentences** for each of the pictures.

	$5 + 4 = 9$ $9 - 5 = 4$	$4 + 5 = 9$ $9 - 4 = 5$
	$___ + ___ = ___$ $___ - ___ = ___$	$___ + ___ = ___$ $___ - ___ = ___$
	$___ + ___ = ___$ $___ - ___ = ___$	$___ + ___ = ___$ $___ - ___ = ___$
	$___ + ___ = ___$ $___ - ___ = ___$	$___ + ___ = ___$ $___ - ___ = ___$
	$___ + ___ = ___$ $___ - ___ = ___$	$___ + ___ = ___$ $___ - ___ = ___$
	$___ + ___ = ___$ $___ - ___ = ___$	$___ + ___ = ___$ $___ - ___ = ___$
	$___ + ___ = ___$ $___ - ___ = ___$	$___ + ___ = ___$ $___ - ___ = ___$

2 Feleletša ka go hlakantšha goba go ntšha.

Complete using addition or subtraction.

9	
2	

6	
	3

10	
8	

2	5

5	5

4	6

3	5

8	
	1

9	
4	

3 Kgetha dipalo tše pedi tša go dira 10. Ngwala dipalo ka gare ga didiko o feleletše lefokopalo.

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 Kgetha palo e 1. Ngwala palo ka gare ga didiko o be o ntšhe go 10 go hwetšha karabo.

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

$10 - 6 = 4$

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

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

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

Go bapetša botelele

Comparing lengths

MMETSE
WA HLOGO
MENTAL MATHS

KE DUMA GE
NKABE KE NA LE
I WISH I HAD

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

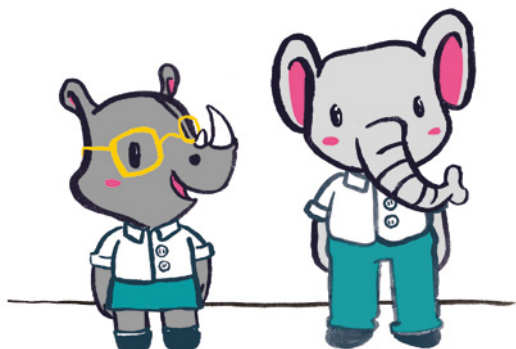
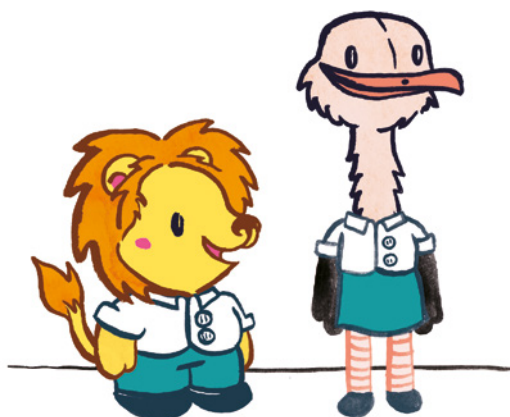
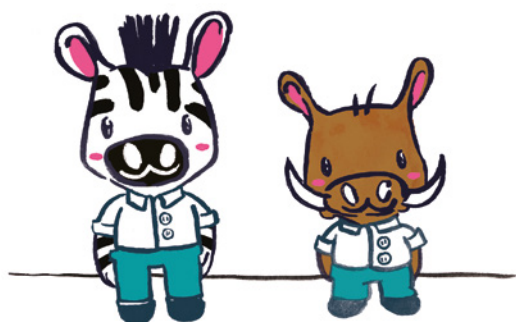
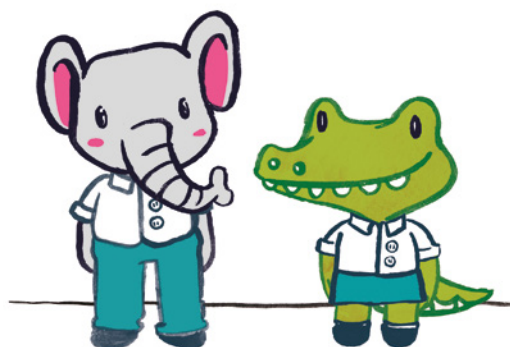
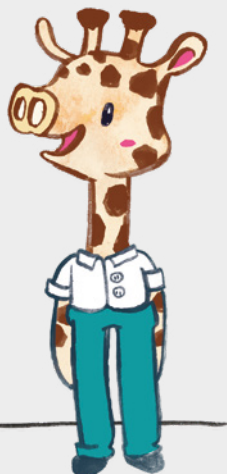
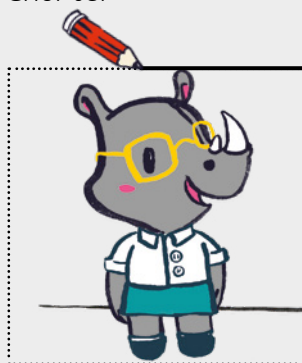
MATLAKALATŠHOMELO
WORKSHEETS

I Thala khutlonne go dikologa mogwera yo mokopana kudu.

Draw a square around the **shorter** friend.

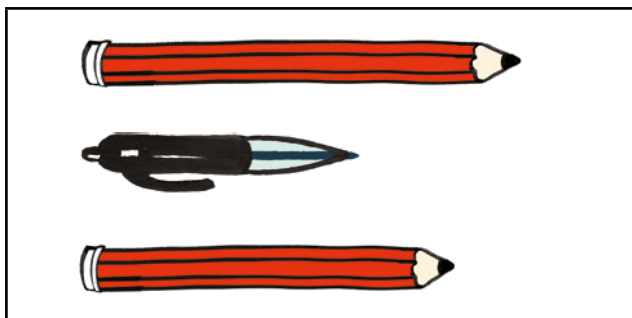
kopanakopana

shorter



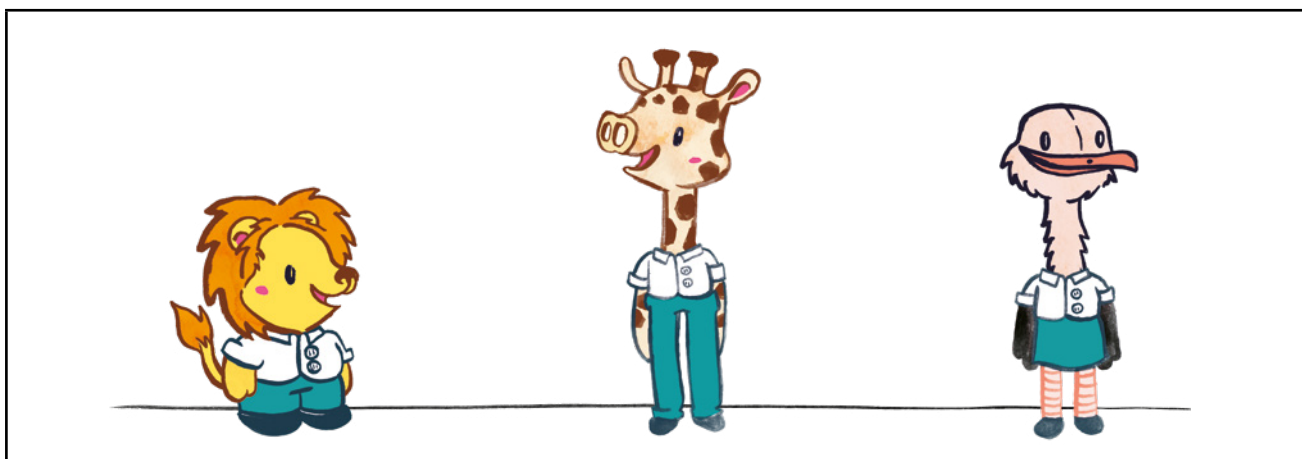
- 2 Thala naledi kgauswi le selo se se kopana kudu.
Thala sediko go selo se se telele kudu.

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



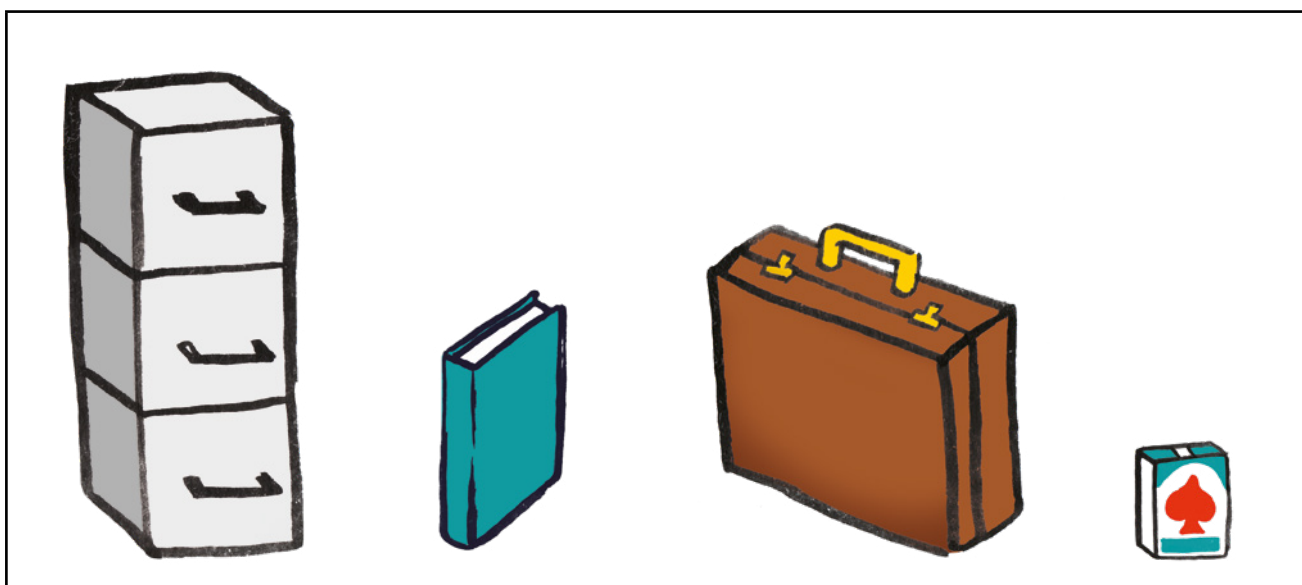
- 3 Thala naledi kgauswi le phoofolo ye kopana kudu.
Thala sediko go phoofolo ye telele kudu.

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



- 4 Thala naledi kgauswi le selo se se kopana kudu.
Thala sediko go selo se se telele kudu.

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



Go bapetša botelele

Comparing lengths

MMETSE
WA HLOGO
MENTAL MATHS

KE DUMA GE
NKABE KE NA LE
I WISH I HAD

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Thala sediko go thapo ye kopana kudu.

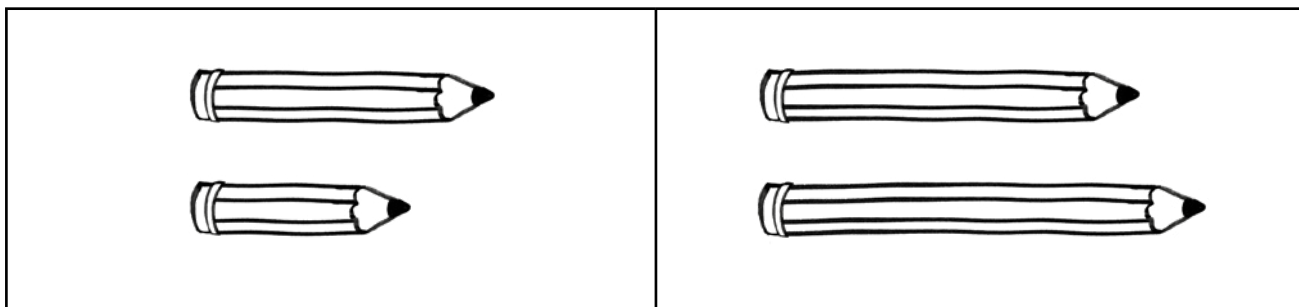
Circle the **shortest** string.

2 Nomora dithapo go tloga go ye kopana kudu go ya go ye telele kudu.

Number the strings from **shortest** to **longest**.

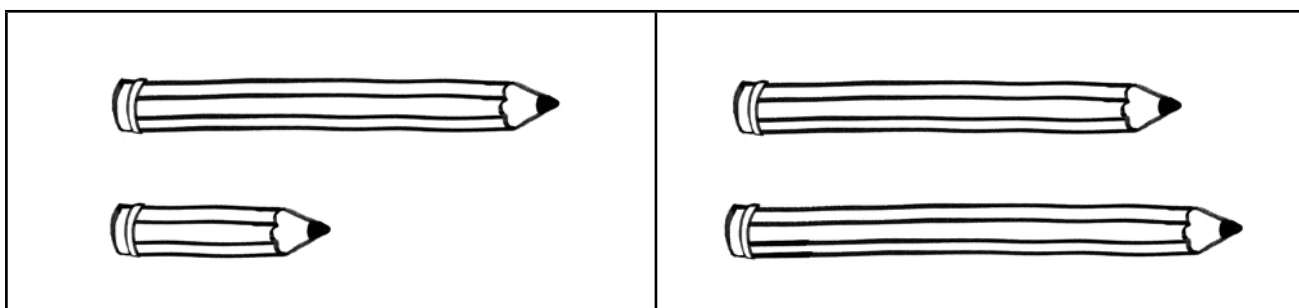
4 Thala sediko go phensele ye kopana kudu.

Circle the **shorter** pencil.



5 Thala sediko go phensele ye telele kudu.

Circle the **longer** pencil.



6 Thala methalo ye 4 go tloga go wo motelele kudu go ya go wo mokopana kudu.

Draw 4 lines from **longest** to **shortest**.

Wo motelele kudu Longest			Wo mokopana kudu Shortest
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MMETSE
WA HLOGO
MENTAL MATHS

KE DUMA GE
NKABE KE NA LE
I WISH I HAD

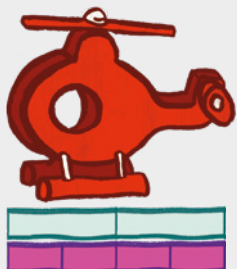
KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Na ke ye telele ga kaakang? Na phapano ke eng?

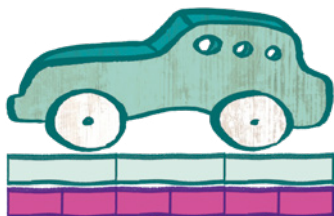
How long? What is the difference?



Dipoloko tše ditalaleratadima ke tše 2
2 blue blocks



Dipoloko tše diphepholo ke tše 4
4 purple blocks



Dipoloko tše ditalaleratadima ke tše ____
____ blue blocks

Dipoloko tše diphepholo ke tše ____
____ purple blocks



Dipoloko tše ditalaleratadima ke tše ____
____ blue blocks

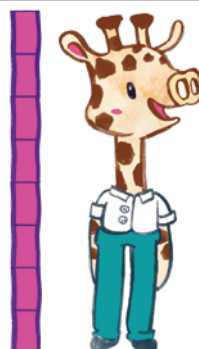
Dipoloko tše diphepholo ke tše ____
____ purple blocks

2 Na ke ye telele ga kaakang?

How long?



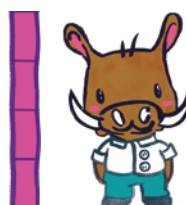
Dipoloko tše ____
____ blocks



Dipoloko tše ____
____ blocks



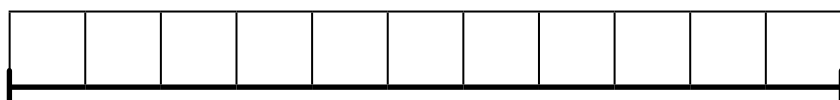
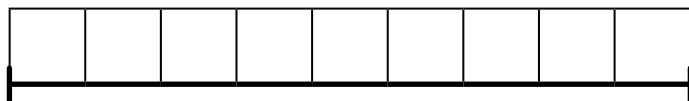
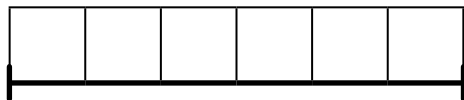
Dipoloko tše ____
____ blocks



Dipoloko tše ____
____ blocks

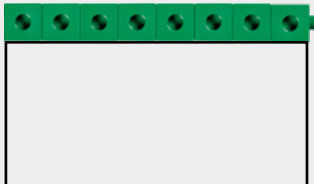
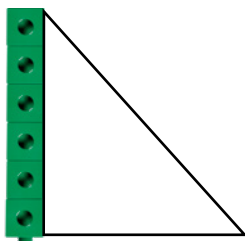
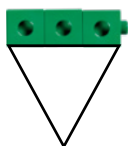
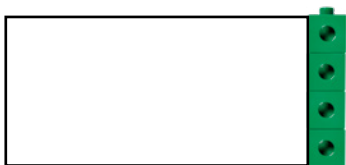
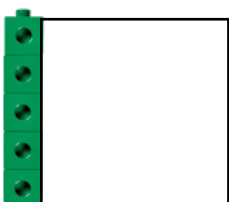
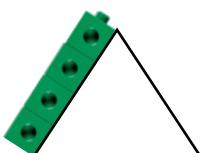
3 Na mothalo wo mongwe le wo mongwe ke wo motelele ka dipoloko tše kae?

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

	_____
	_____
	_____

4 Na ke tše ditelele ga kaakang? Bala dipoloko.

How long? Count the blocks.

	Dipoloko tše  8 blocks
	Dipoloko tše _____ _____ blocks
	Dipoloko tše _____ _____ blocks
	Dipoloko tše _____ _____ blocks
	Dipoloko tše _____ _____ blocks
	Dipoloko tše _____ _____ blocks

Go ela botelele Measuring length

MMETSE
WA HLOGO
MENTAL MATHS

KE DUMA GE
NKABE KE NA LE
I WISH I HAD

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Na mothalo wo mongwe le
wo mongwe ke wo motelele
ka matsogo a makae?

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

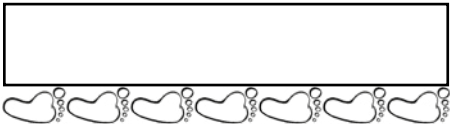
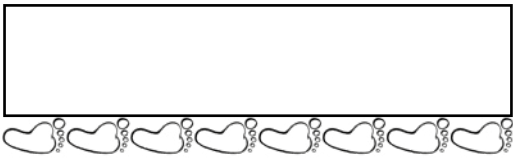
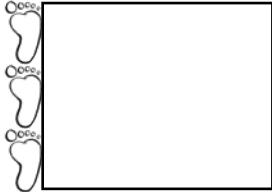
2 Thala sediko go mothalo
wo motelele kudu.

Circle the **longest** line.

3 Na lehlakore le lengwe le le lengwe ke le le telele ka maoto
a makae?

How many feet **long** is each side?

	Maoto a ____ ____ feet
	Maoto a ____ ____ feet
	Maoto a ____ ____ feet
	Maoto a ____ ____ feet

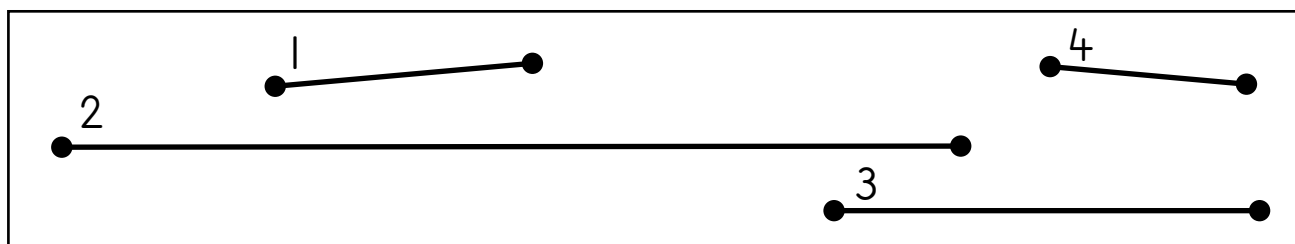
4 Šomiša dipoloko tša gago go ela methalo ye.

Use your blocks to measure these lines.

	Dipoloko tše <u>2</u> 2 blocks
	Dipoloko tše ____ ____ blocks
	Dipoloko tše ____ ____ blocks
	Dipoloko tše ____ ____ block
	Dipoloko tše ____ ____ blocks
	Dipoloko tše ____ ____ blocks

5 Araba dipotšišo.

Answer the questions.



	Ngwala palo. Write the number.
Na ke mothalo ofe wo motelele kudu? Which line is the longest ?	
Na ke mothalo ofe wo mokopana kudu? Which line is the shortest ?	

LETLAKALATŠHOMELO
WORKSHEET

LETLAKALATŠHOMELO
WORKSHEET

- 1 Ngwala dinomoro tša dithapo go tloga go ye kopana go ya go ye telele.

Number the strings from **shortest** to **longest**.

- 2 Thala sediko go thapo ye kopana.

Circle the **shortest** string.

☐	
☐	
☐	
☐	
☐	

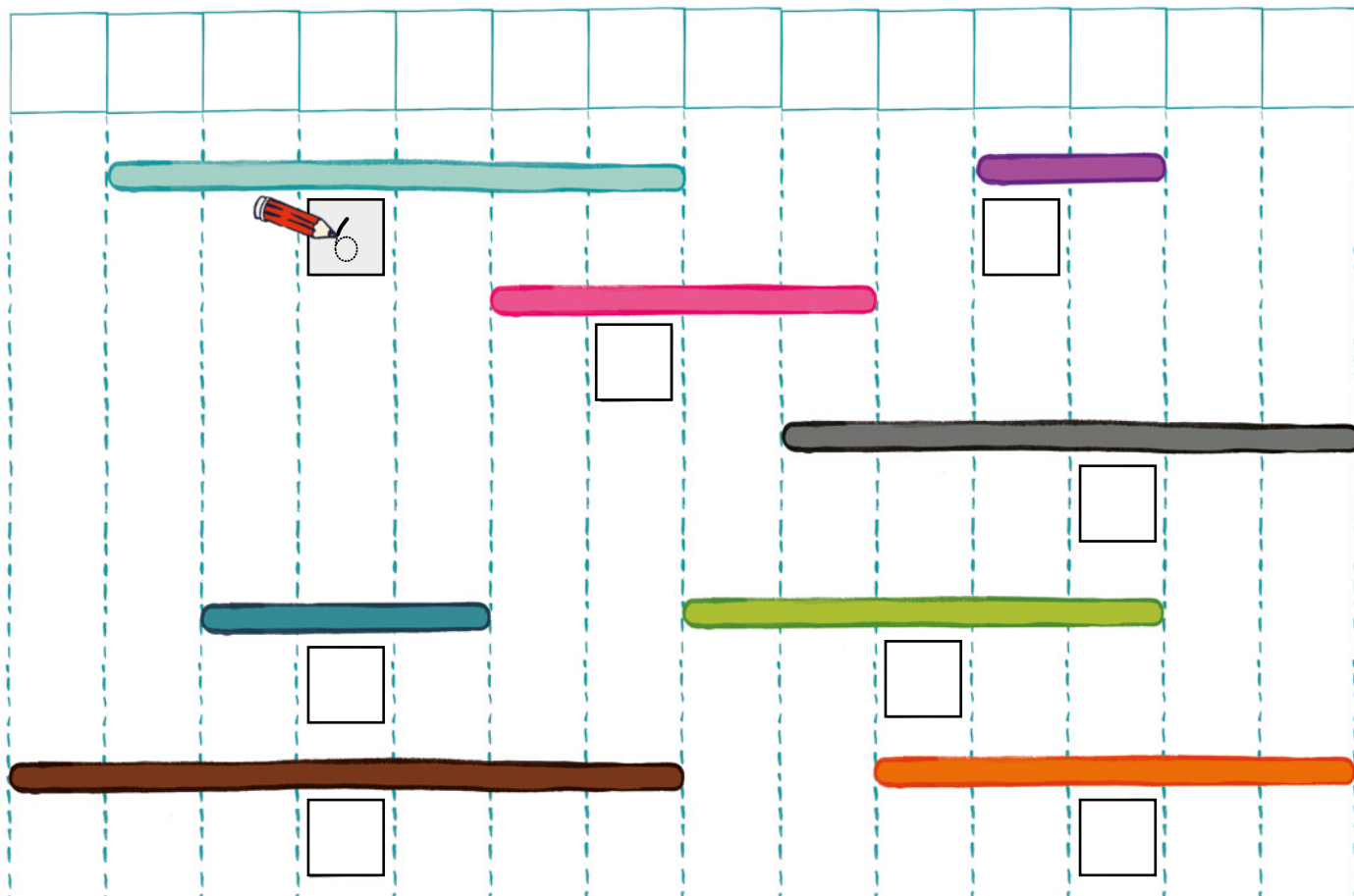
- 3 Thala methalo ye me4 go tloga go wo mokopana go ya go wo motelele.

Draw 4 lines from **shortest** to **longest**.

Wo mokopana Shortest				Wo motelele Longest

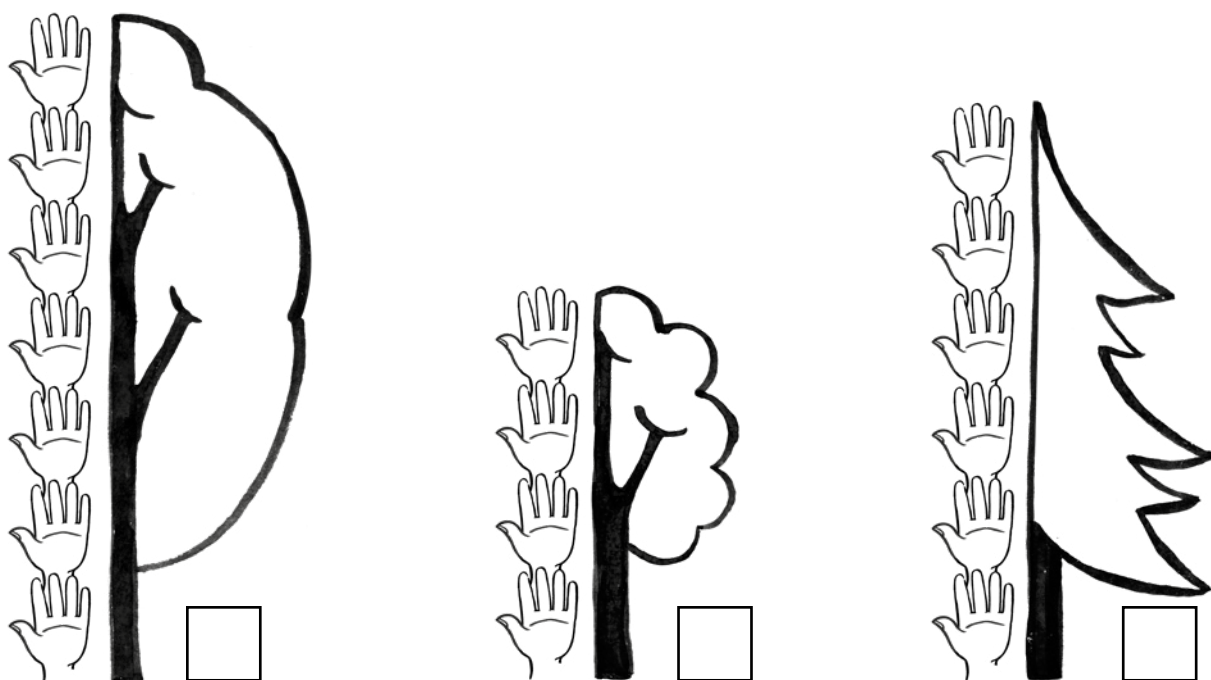
4 Na ripone ye nngwe le ye nngwe ke ye telele ka dikhutlonne tše kae?

How many squares long is each ribbon?



5 Na mehlare ke ye metelele ka matsogo a makae?

How many hands tall are the trees?



MMETSE
WA HLOGO
MENTAL MATHS

FIZZ POP - DITLEMAGANO
TŠA GO FIHLA GA 10
FIZZ POP - BONDS UP TO 10

KGODIŠO YA KGOPOLO
CONCEPT DEVELOPMENT

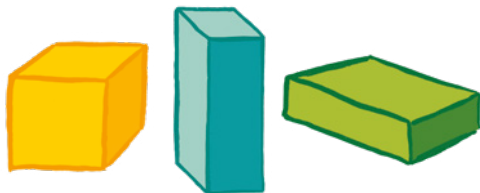
PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Latišiša mantšu.

Trace the words.

lepokisi box



kgwele ball

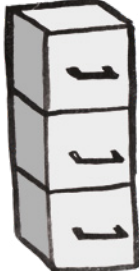


2 Bea leswao le ✓ kgauswi le diswantšho tšeo di lebelegago bjalo ka mapokisi.

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

Bea leswao le ✗ kgauswi le diswantšho tšeo di lebelegago bjalo ka dikgwele.

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

3 Na ke dikgwele tše kae? ____

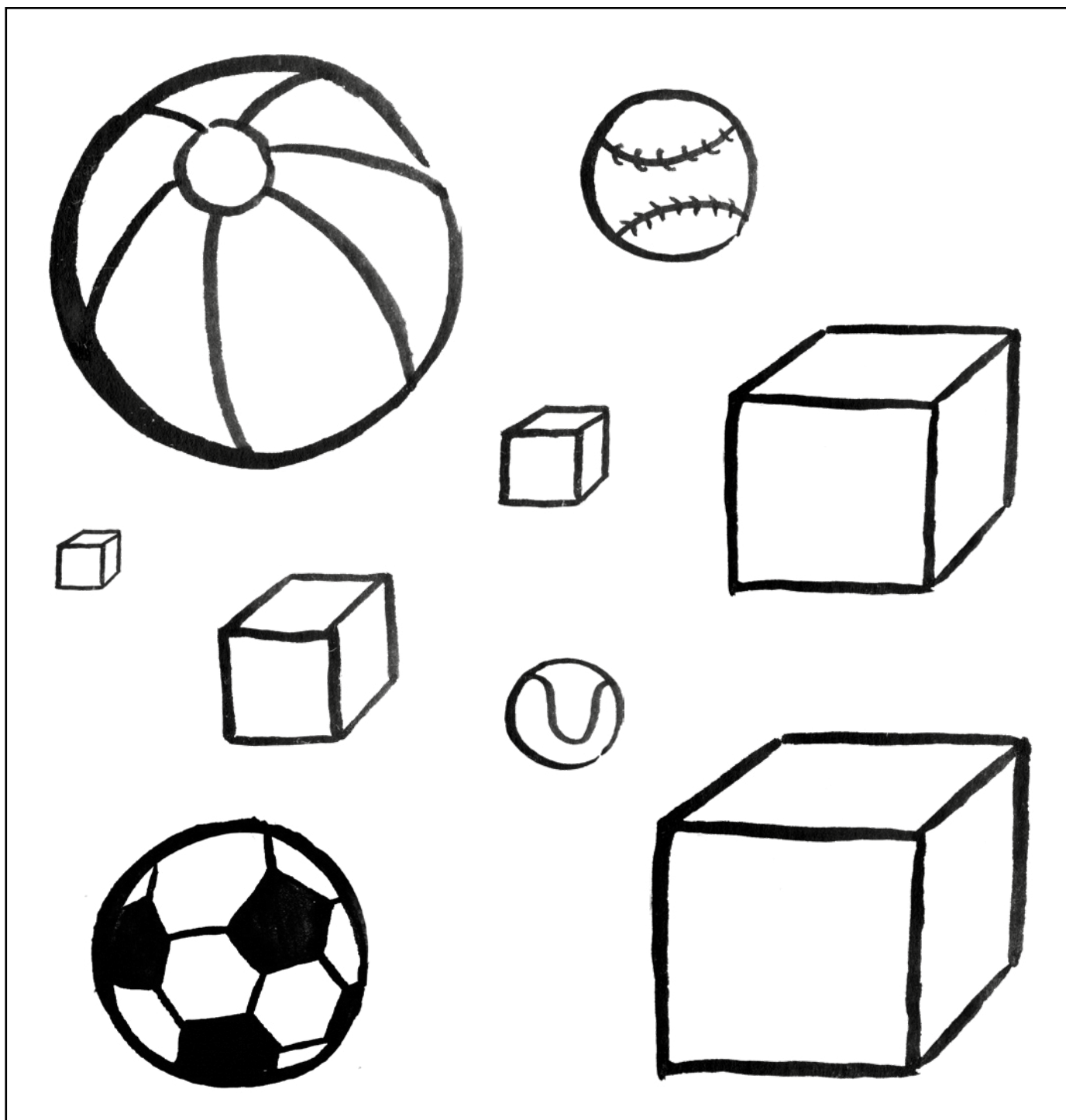
How many balls?

Na ke mapokisi a makae? ____

How many boxes?

Na ke dife tše dintši,
dikgwele goba mapokisi?

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



MMETSE
WA HLOGO
MENTAL MATHS

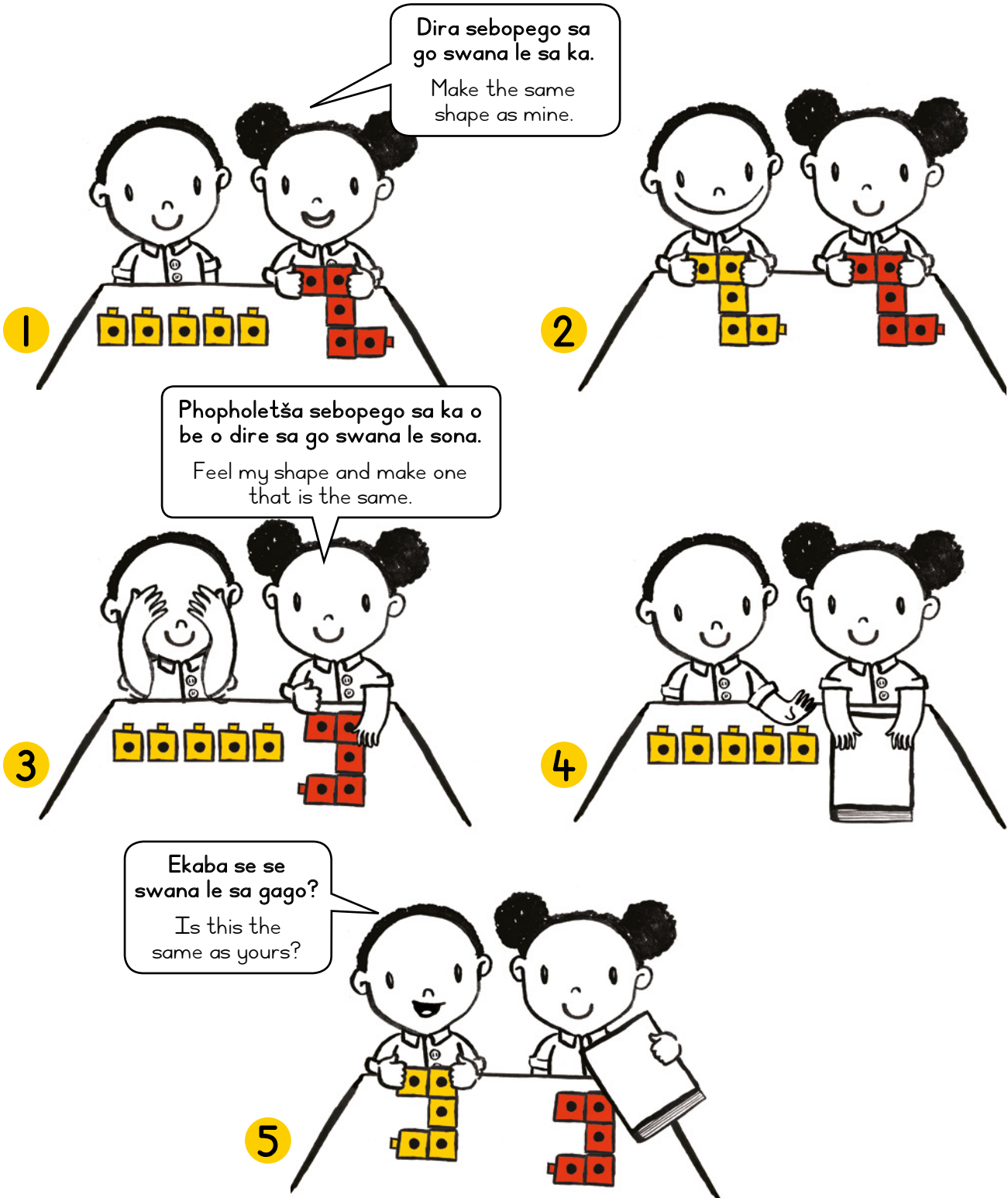
FIZZ POP - DITLEMAGANO
TŠA GO FIHLA GA 10
FIZZ POP - BONDS UP TO 10

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

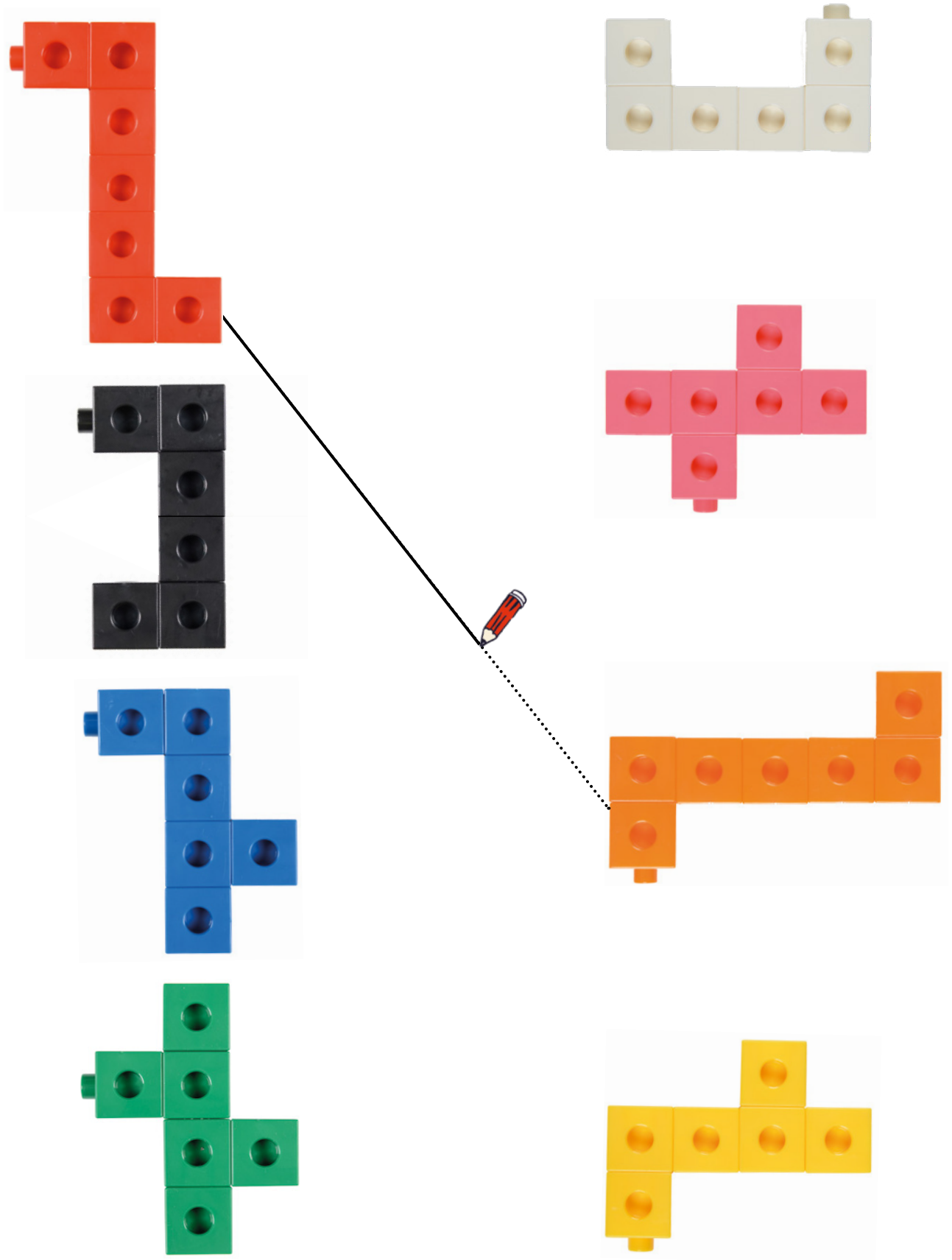
LETLAKALATŠHOMELO
WORKSHEET

Papadi: Kopiša sebopego sa ka
Game: Copy my shape



1 Dira diboego o šomiša dipoloko tša gago.

Make the shapes using your blocks.



2 Nyalanya diboego tša go swana.

Match the shapes that are the same.

Dipaterone tša tšeometriki

Geometric patterns

MMETSE
WA HLOGO
MENTAL MATHS

FIZZ POP - DITLEMAGANO
TŠA GO FIHLA GA 10
FIZZ POP - BONDS UP TO 10

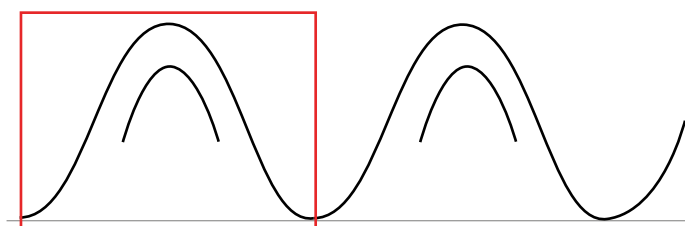
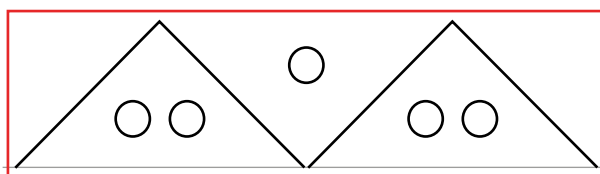
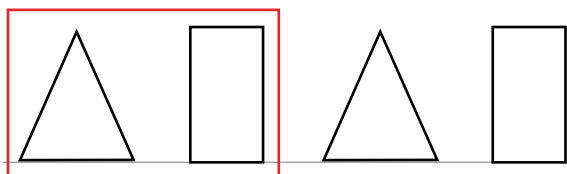
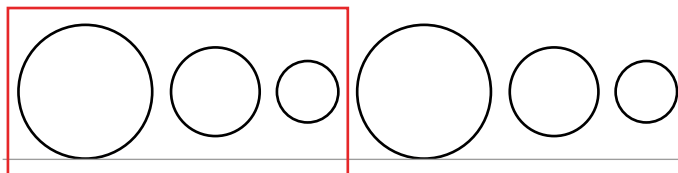
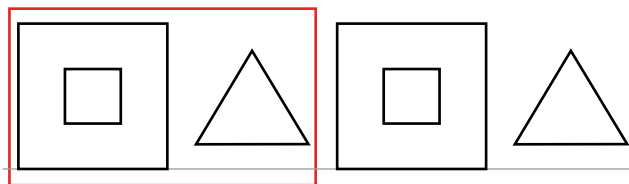
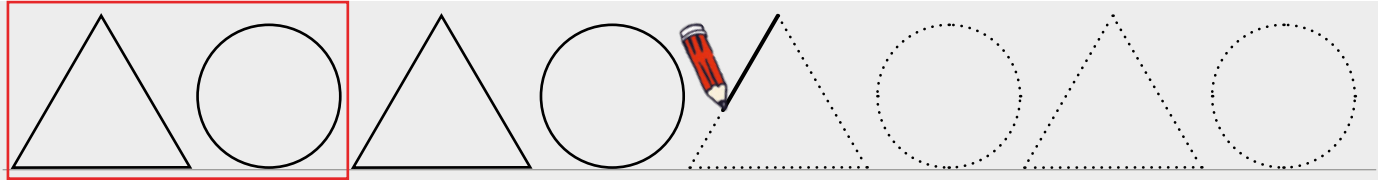
KGODIŠO YA KGOPOLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

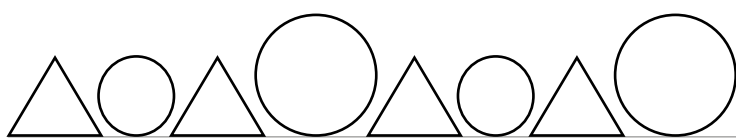
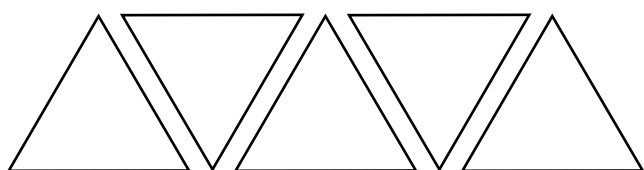
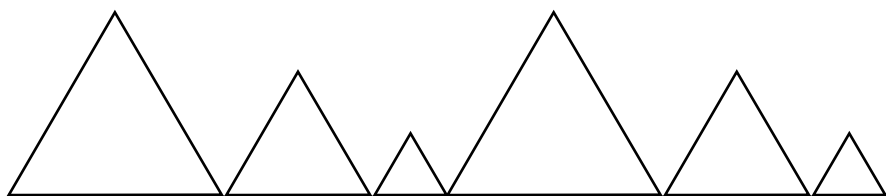
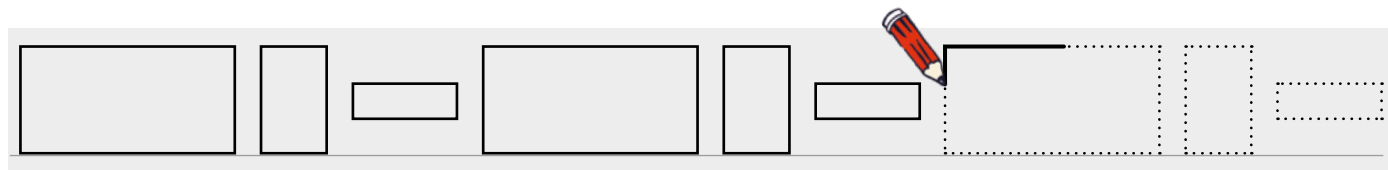
1 Katološa dipaterone.

Extend the patterns.



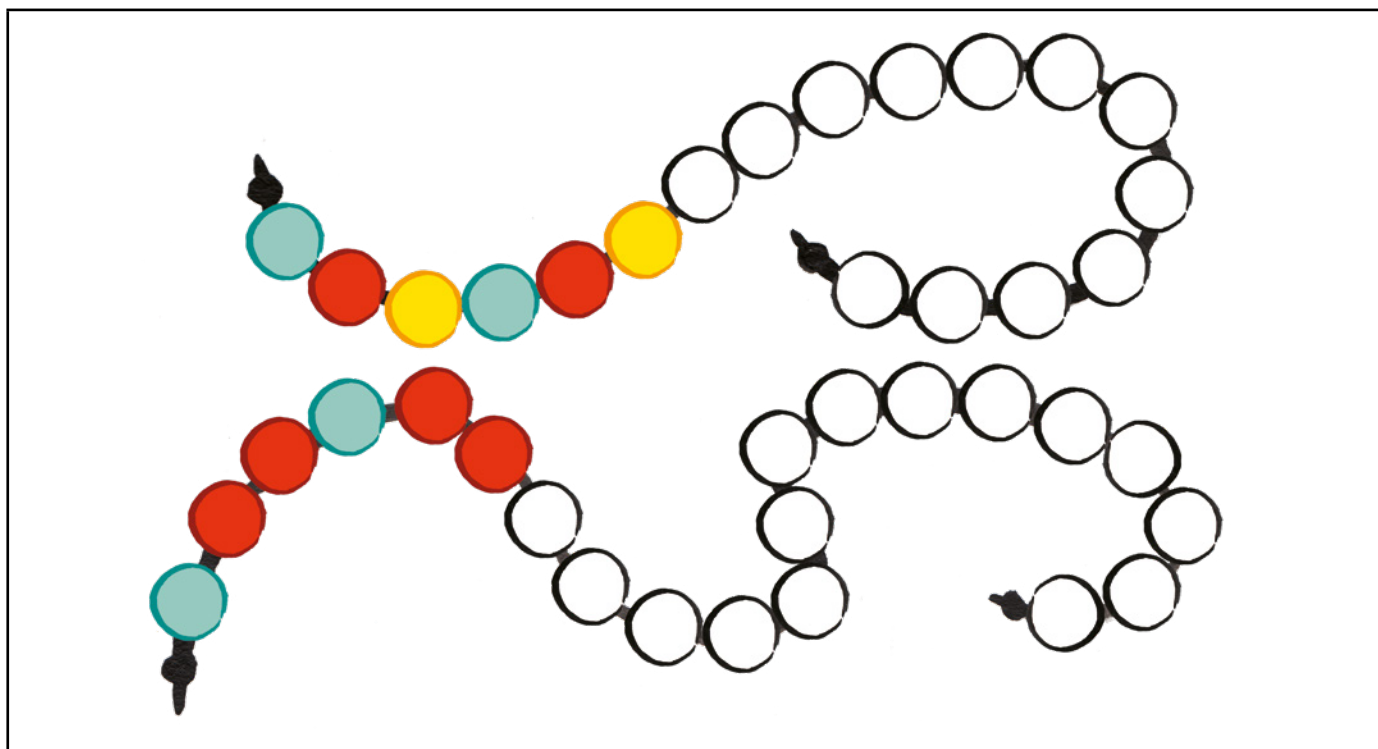
2 Katološa dipaterone.

Extend the patterns.



3 Katološa dipaterone.

Extend the patterns.



Dipaterone tša tšeometriki

Geometric patterns

MMETSE
WA HLOGO
MENTAL MATHS

FIZZ POP - DITLEMAGANO
TŠA GO FIHLA GA 10
FIZZ POP - BONDS UP TO 10

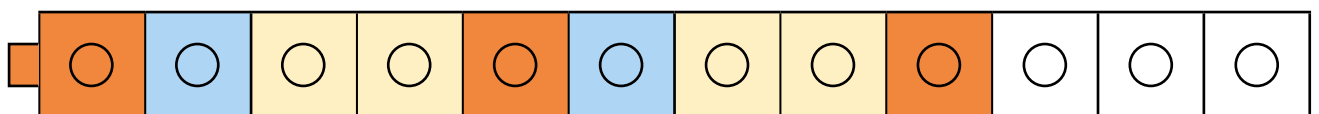
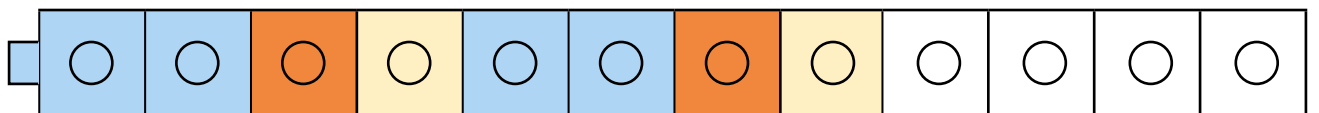
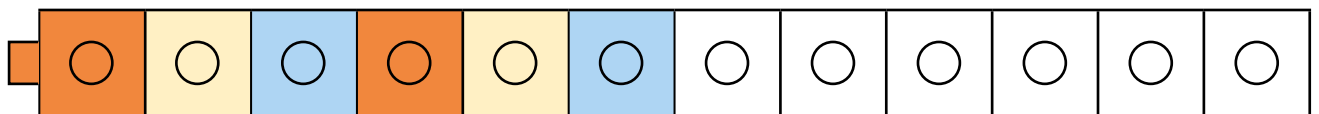
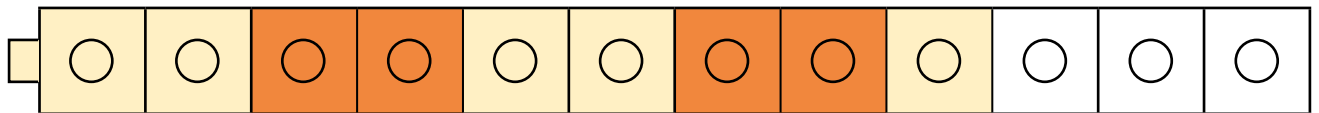
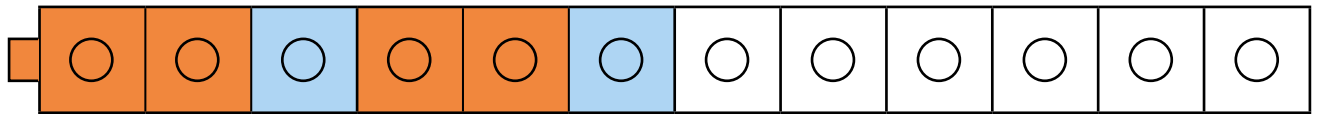
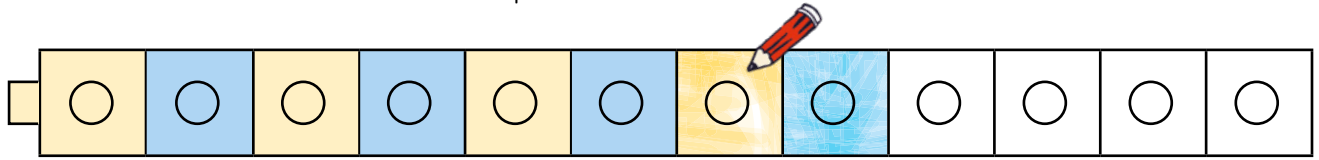
KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Khalara dipoloko go tšwetša dipaterone pele.

Colour in the blocks to continue the patterns.

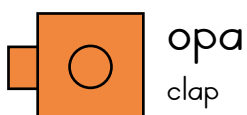


2 Dira paterone ya go opa, go tula le go kokota ka ye nngwe le ye nngwe ya diterene tša ka godimo.

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

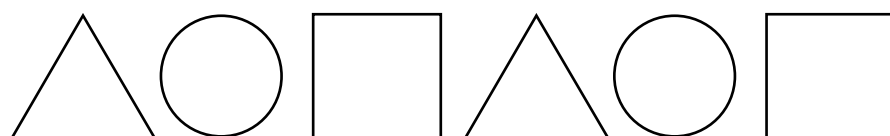
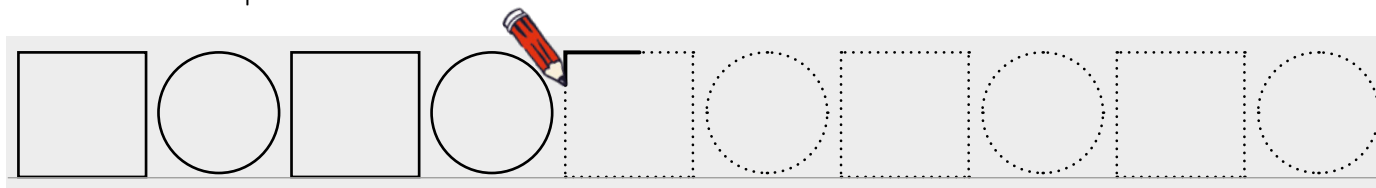
Senotlelo

Key



3 Katološa dipaterone.

Extend the patterns.



4 Thala dipaterone tša gago o šomiša diboepo tše di filwego.

Draw your own patterns using the given shapes.

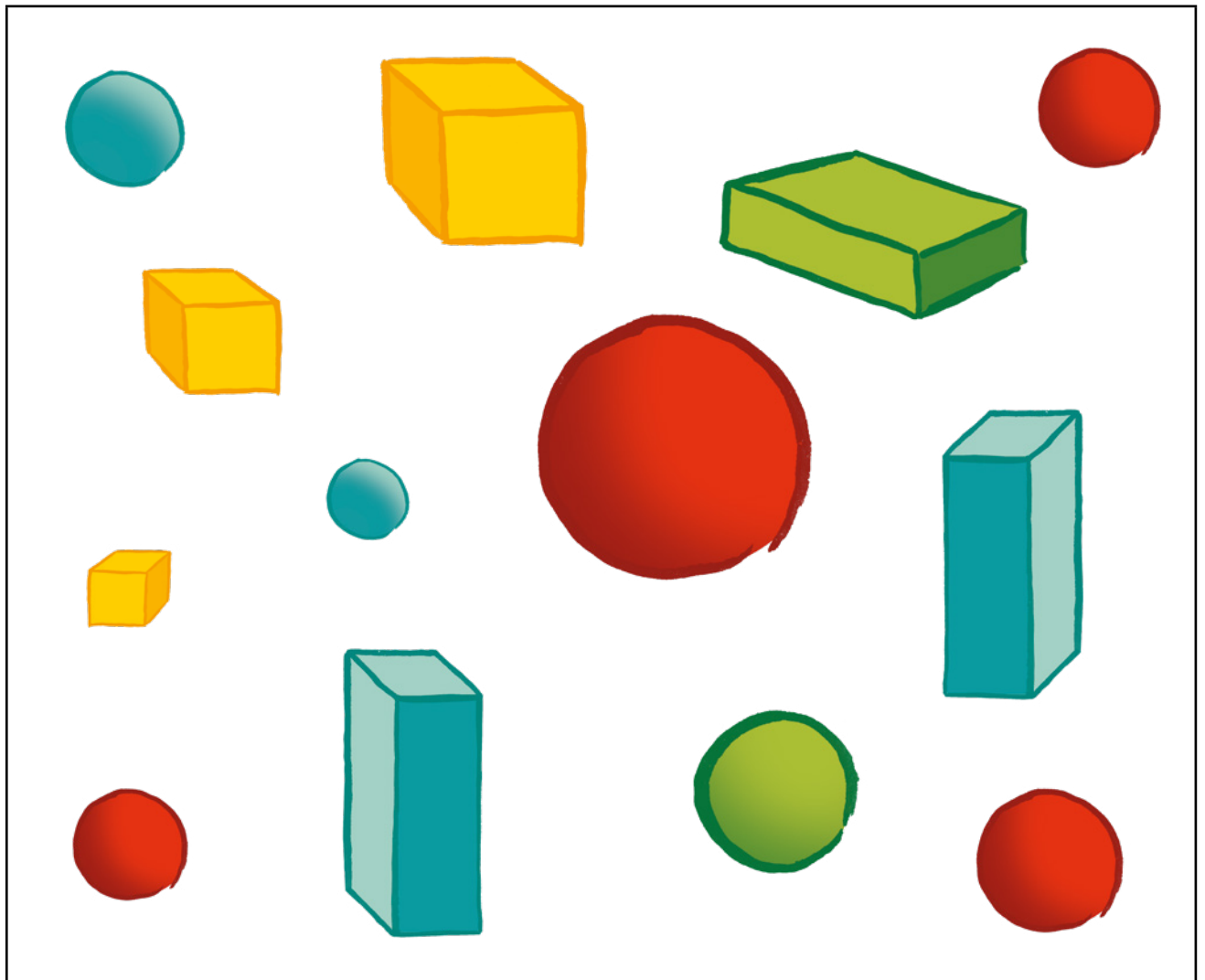
LETLAKALATŠHOMELO
WORKSHEET

LETLAKALATŠHOMELO
WORKSHEET

1 Bala diboego.

Count the shapes.

dikgwele balls		mapokisi boxes	
-------------------	--	-------------------	--



2 Thala sediko go kgwele ye kgolo kudu.

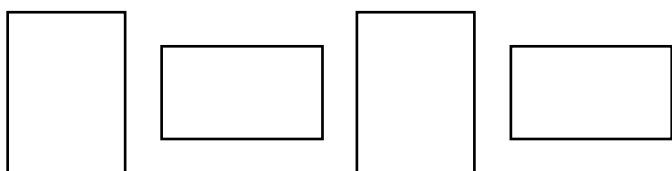
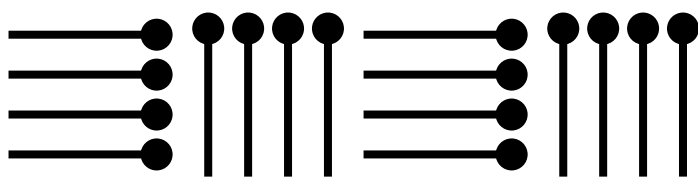
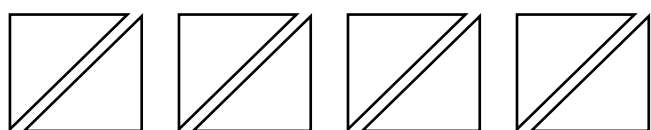
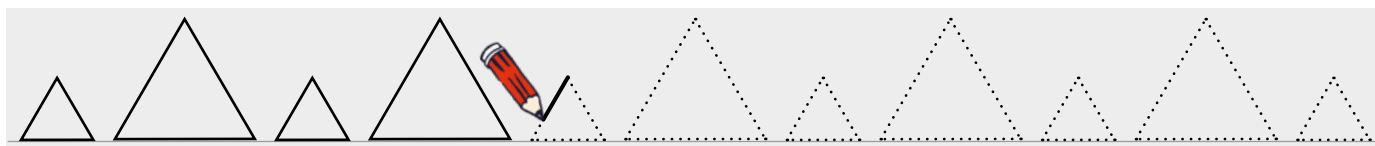
Circle the **biggest** ball.

3 Thala sediko go lepokisi le lennyane kudu.

Circle the **smallest** box.

4

Extend the patterns.



MMETSE
WA HLOGO
MENTAL MATHS

PAPADI YA GO SALUTA
SALUTE GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

I Bolela ka dibopego tša kgwele le dibopego tša lepokisi.

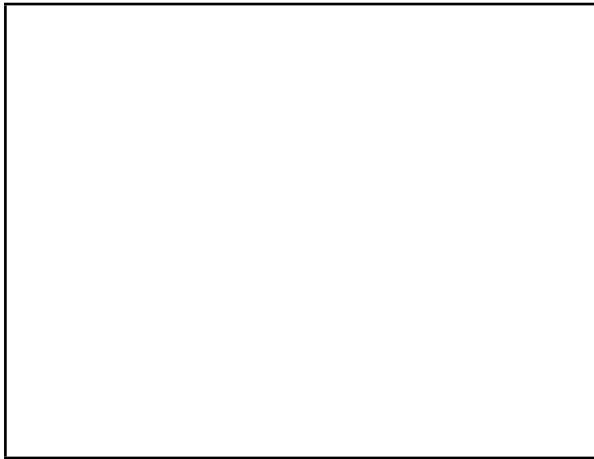
Talk about ball shapes and box shapes.

- Ke dife tše dikgolo?
Which are big?
- Ke dife tšeo e lego dikgwele?
Which are balls?
- Na ke tše di bjang ka mmala?
What colour are they?
- Ke dife tše dinnyane?
Which are small?
- Ke dife tšeo e lego mapokisi?
Which are boxes?



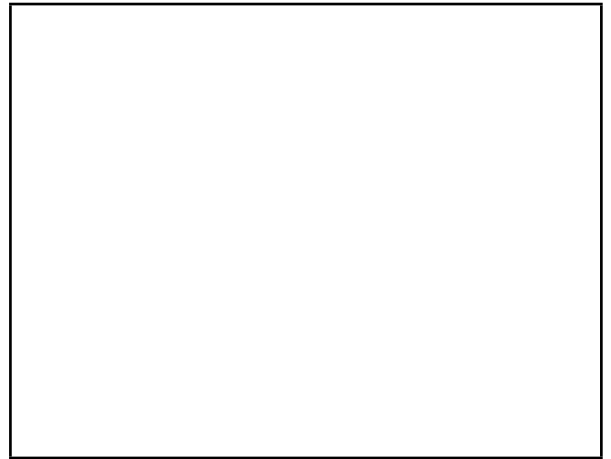
2 Thala kgwele.

Draw a ball.



3 Thala lepokisi.

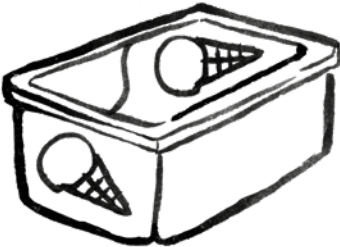
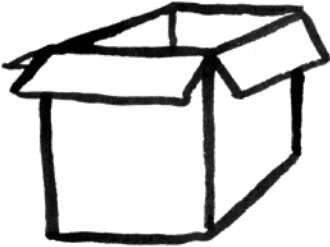
Draw a box.



4 Swaya poloko go laetša ge eba selo seo ke kgwele goba ke lepokisi.

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

		
kgwele ball ☒ lepokisi box ☐	kgwele ball ☐ lepokisi box ☐	kgwele ball ☐ lepokisi box ☐

		
kgwele ball ☐ lepokisi box ☐	kgwele ball ☐ lepokisi box ☐	kgwele ball ☐ lepokisi box ☐

MMETSE
WA HLOGO
MENTAL MATHS

PAPADI YA GO SALUTA
SALUTE GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Na tora e tla ema? Swaya poloko ya maleba.

Will the tower stand? Tick the correct block.

Ee Yes ☒ Aowa No ☐	Ee Yes ☐ Aowa No ☐	Ee Yes ☐ Aowa No ☐	Ee Yes ☐ Aowa No ☐

2 Na o ka kgona go aga tora ka dilo tše ka moka? Ngwala ee goba aowa.

Can you build a tower with all these objects? Write yes or no.

			Aowa/No

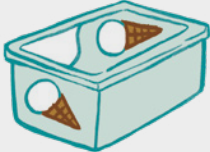
3 Na o ka kgona go aga tora ka dilo tše di latelago ka moka? Swaya poloko ya maleba.

Can you build a tower with all of the following objects? Tick the correct block.

Ee Yes ☐ Aowa No ☐	Ee Yes ☐ Aowa No ☐	Ee Yes ☐ Aowa No ☐

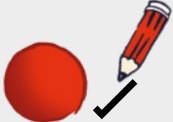
4 Na dibopego tše di na le mahlakore a phaphathi goba a go kgopama? Khalara ka polokong ya maleba.

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

	mahlakore a phaphathi flat sides ☐	mahlakore a go kgopama curved sides ☒
	mahlakore a phaphathi flat sides ☐	mahlakore a go kgopama curved sides ☐
	mahlakore a phaphathi flat sides ☐	mahlakore a go kgopama curved sides ☐
	mahlakore a phaphathi flat sides ☐	mahlakore a go kgopama curved sides ☐

5 Swaya go ntšha seo se makatšago.

Tick the odd one out.

Thelela goba kgokologa

Slide and roll

MMETSE
WA HLOGO
MENTAL MATHS

PAPADI YA GO SALUTA
SALUTE GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

1 Na dilo tše di a thelela goba di a kgokologa? Khalara karabo ya maleba.

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

	thelela slide ☐	kgokologa roll ☒
	thelela slide ☐	kgokologa roll ☐
	thelela slide ☐	kgokologa roll ☐
	thelela slide ☐	kgokologa roll ☐
	thelela slide ☐	kgokologa roll ☐

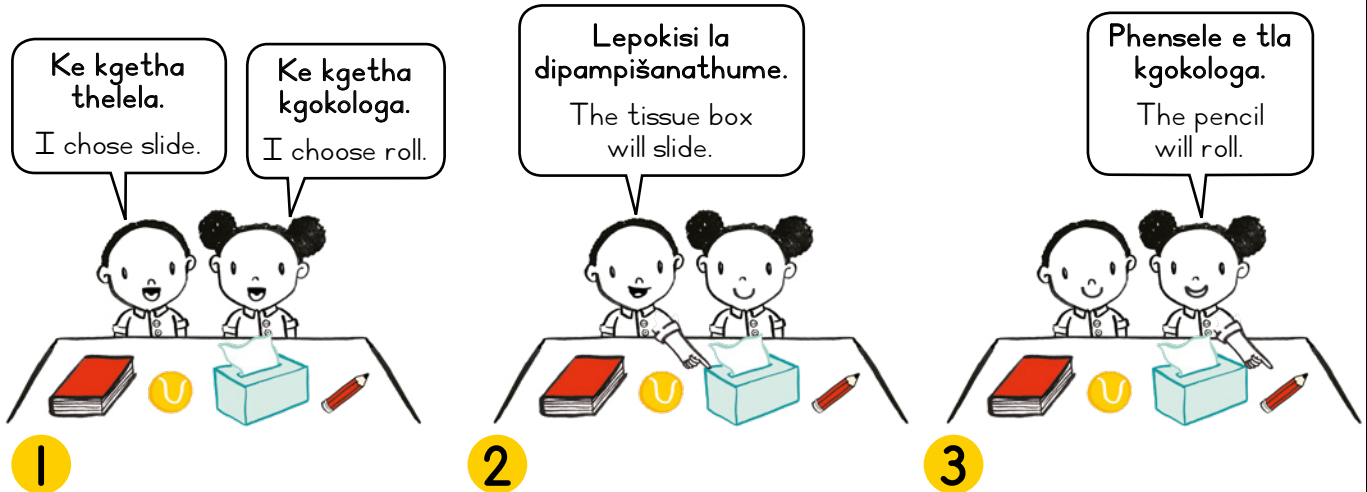
2 Thala sediko go dilo tšeo di ka thelelago.

Tick the objects that can slide.



Papadi: Na se a thelela goba se a kgokologa?

Game: Slide or roll?

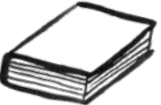


Baraloki ba tšwela pele ka go bolela maina a dilo tša go thelela goba go kgokologa. Papadi e fihla mafelelong ge moraloki o tee a palelwa ke go gopola dilo tše dingwe. Barutwana ba ka raloka ka bobedi goba ka dihlopha.

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 Na dilo tše di ka kgokologa goba di ka thelela? Swaya poloko ya maleba.

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

			
kgokologa roll	 ☒	thelela slide	☐
			
kgokologa roll	☐	thelela slide	☐
			
kgokologa roll	☐	thelela slide	☐

MMETSE
WA HLOGO
MENTAL MATHS

PAPADI YA GO SALUTA
SALUTE GAME

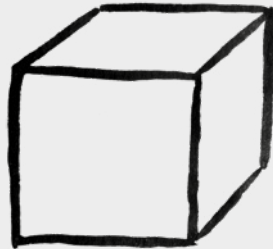
KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

MATLAKALATŠHOMELO
WORKSHEETS

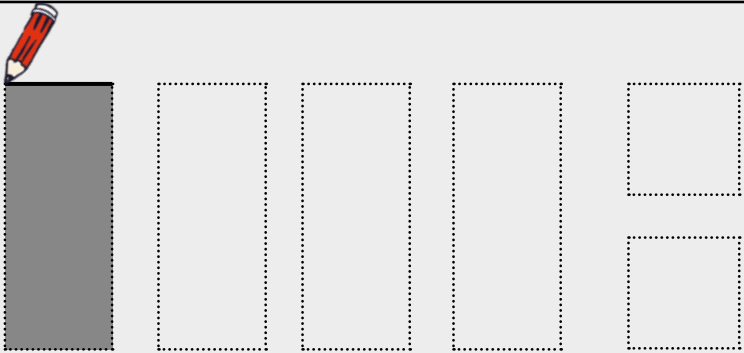
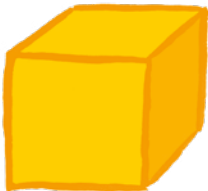
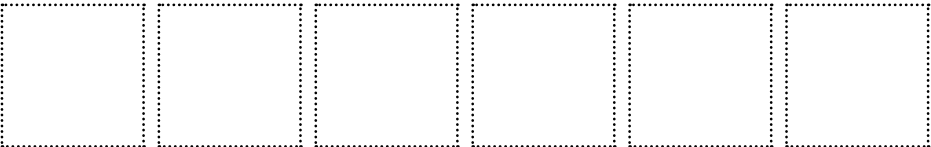
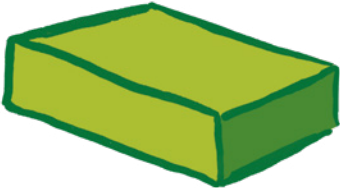
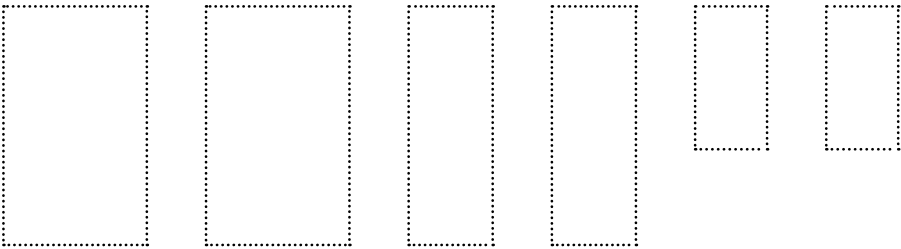
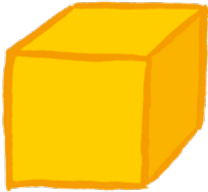
I Latišiša lepokisi la gago o be o thale diswantšho.

Trace your box and draw pictures.



2 Thala difahlego tše 6 tša le lengwe le le lengwe la mapokisi a. Šomiša sebopego sa nnete sa lepokisi go go thuša.

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

LETLAKALATŠHOMELO
WORKSHEET

LETLAKALATŠHOMELO
WORKSHEET

1

		
kgwele ball	lepokisi box	kgwele ball

		
kgwele ball	lepokisi box	kgwele ball

		
kgwele ball	lepokisi box	kgwele ball

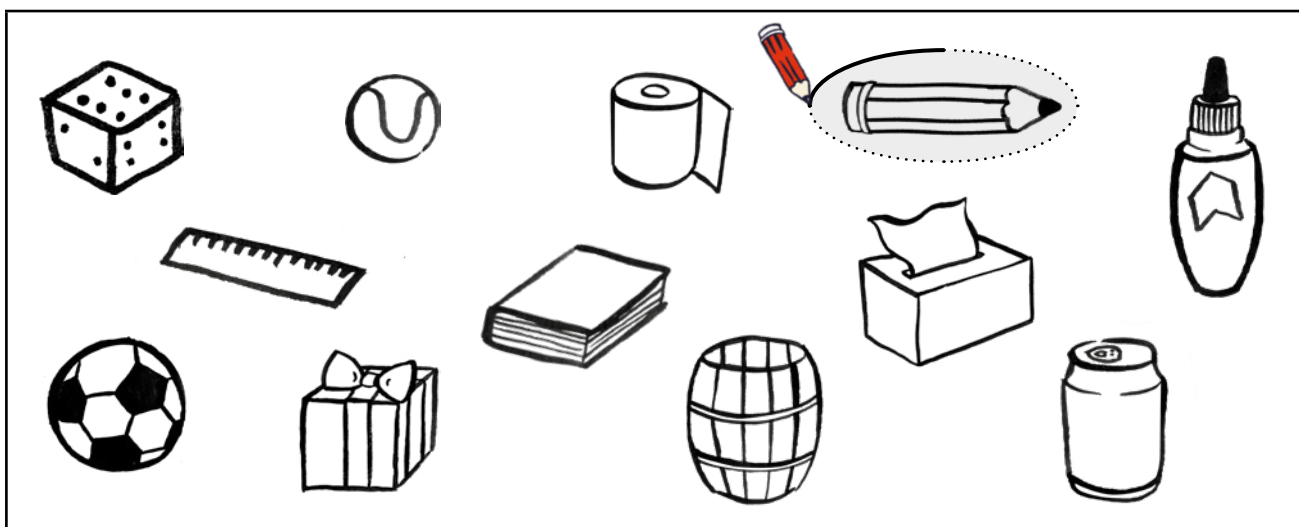
2

	
kgokologa roll	thelela slide

	
kgokologa roll	thelela slide

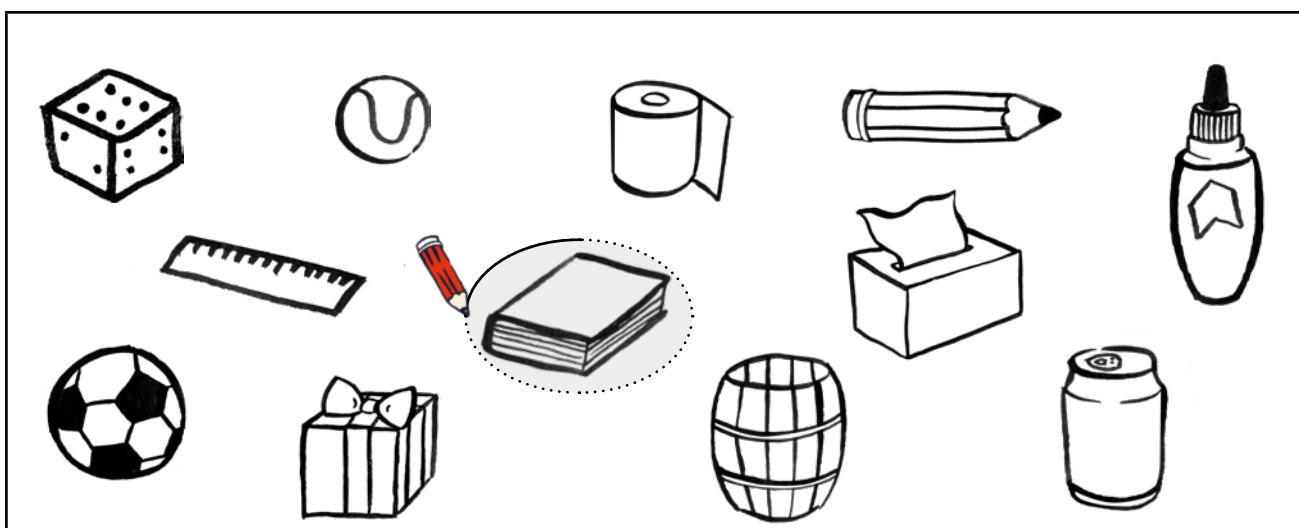
3 Thala sediko go dilo tšeo di ka kgokologago.

Circle the objects that can roll.



4 Thala sediko go dilo tšeo di ka thelelago.

Circle the objects that can slide.



5 Latišiša dilo tša mahlakoretharo (3-D) go dikologa phapoši o be o thale diswantšho.

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





MMETSE
WA HLOGO
MENTAL MATHS

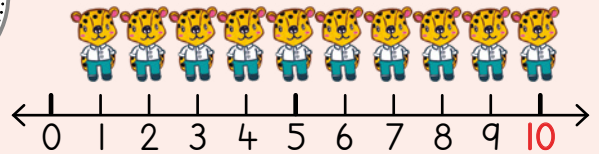
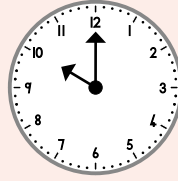
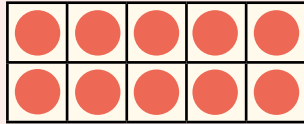
FIZZ POP – DITLEMAGANO
TŠA GO FIHLA GA 10
FIZZ POP – BONDS UP TO 10

KGODIŠO YA KGOPOLO
CONCEPT DEVELOPMENT

PAPADI
GAME

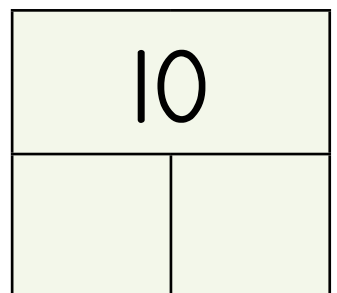
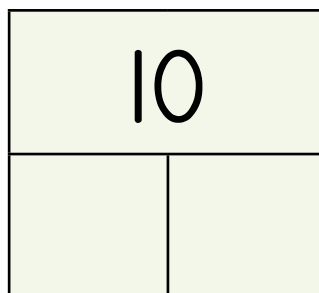
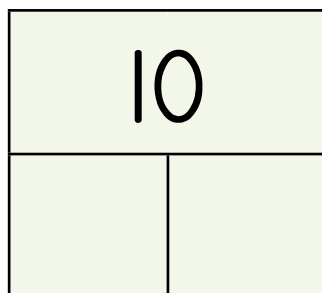
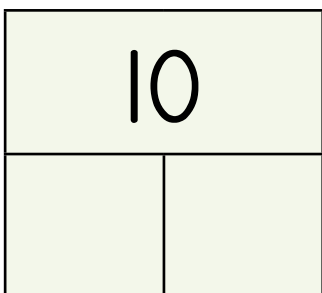
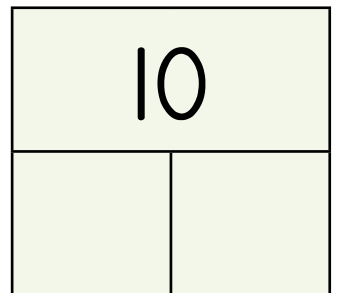
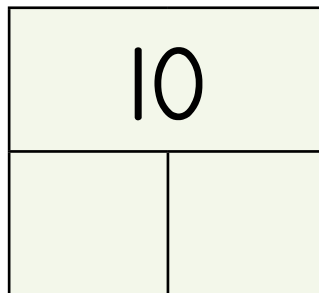
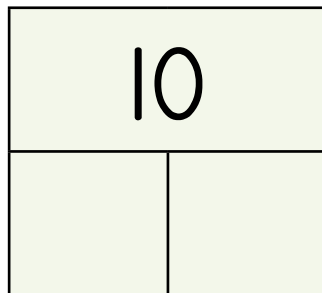
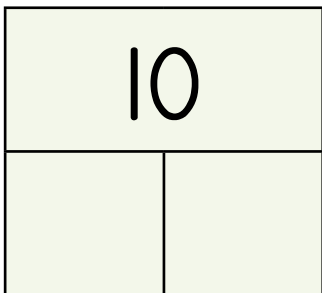
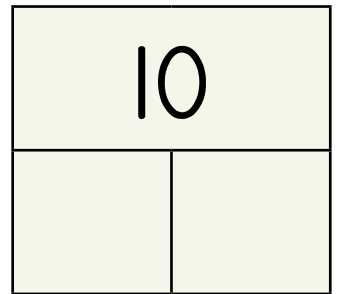
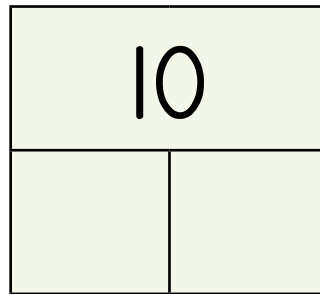
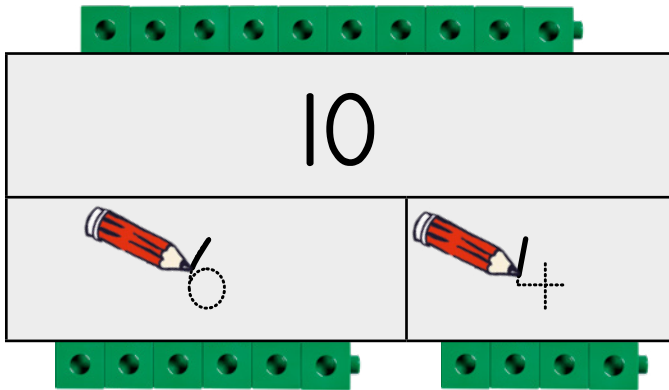
MATLAKALATŠHOMELO
WORKSHEETS

lesome
ten
10



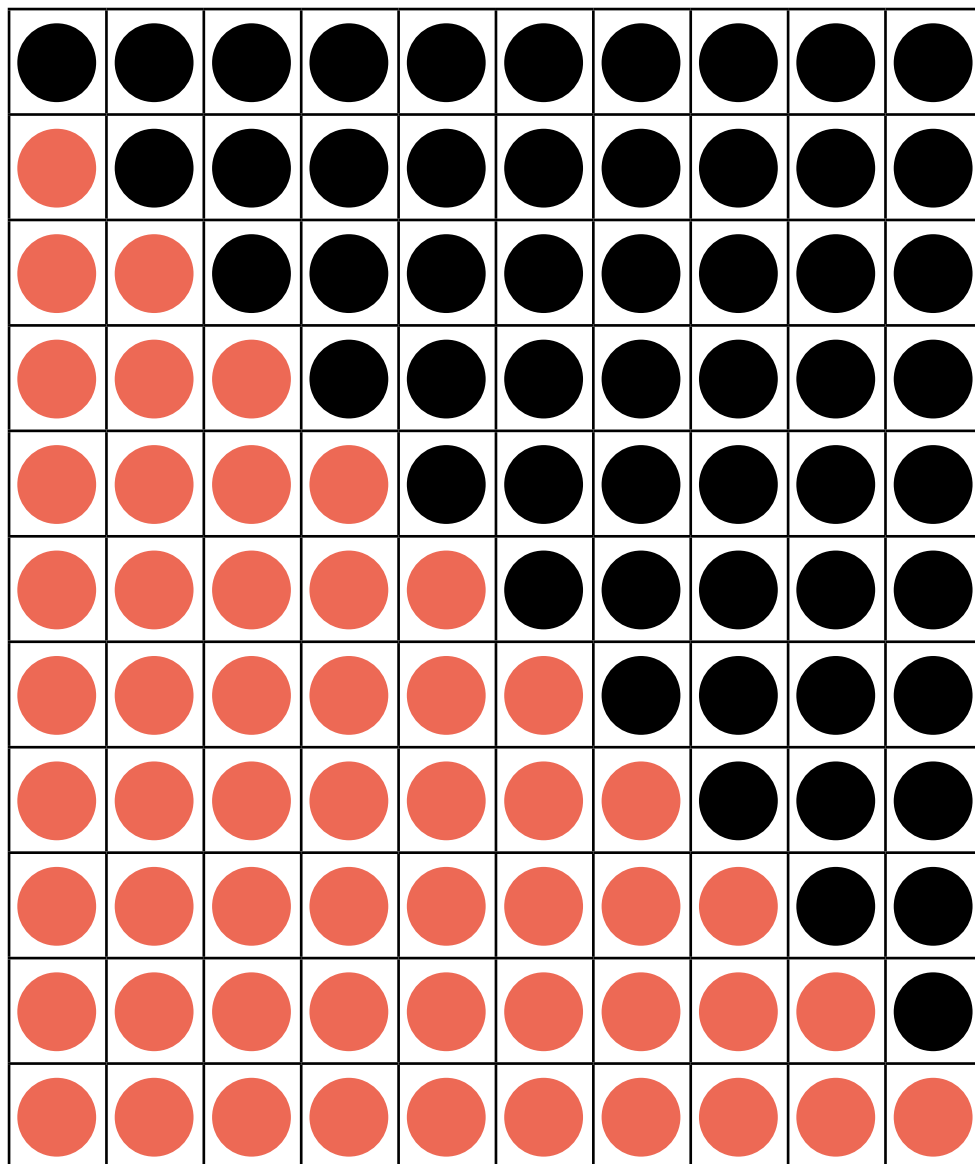
Dira 10.

Make 10.



I Ngwala ditsela tša go dira 10 ka gare ga ntlo ya tlemagano.

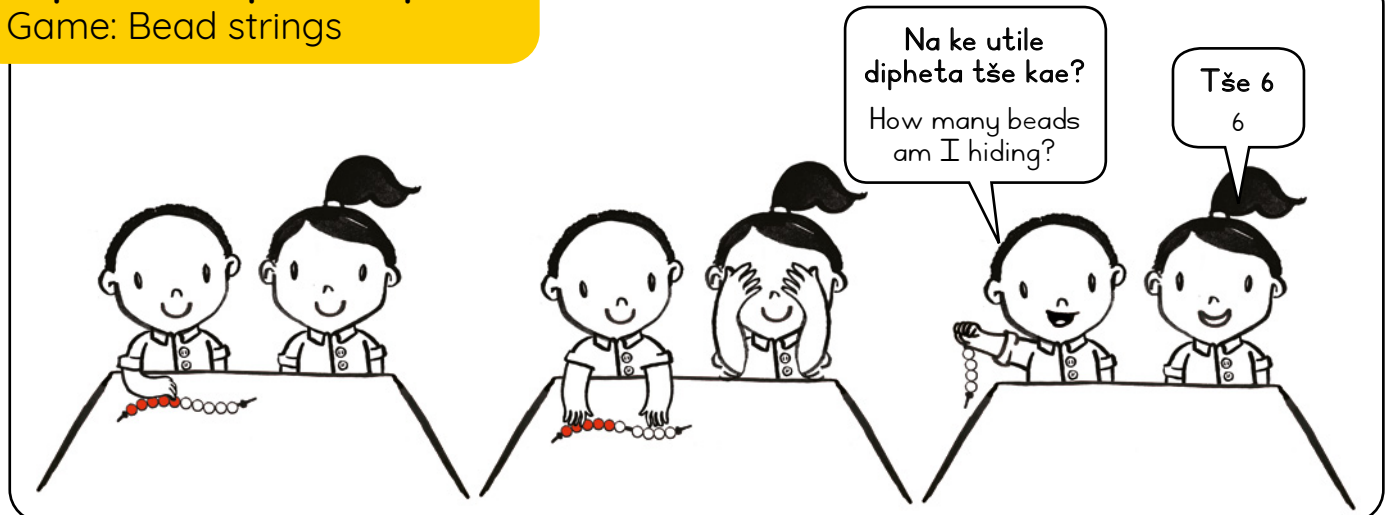
Record the ways to make up 10 in the bond house.



10	
0	10
1	9

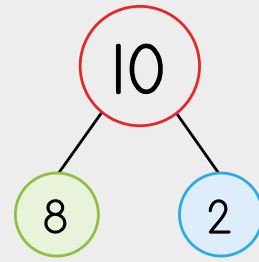
Papadi: Dithapo tša dipheta

Game: Bead strings



8 le 2 di dira 10
and make

2 le 8 di dira 10
and make

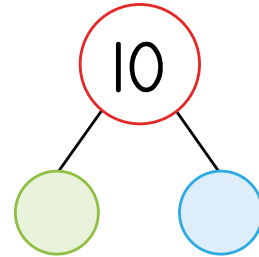


2 Ke dipalo dife gape tšeo di dirago 10?

What other numbers make 10?

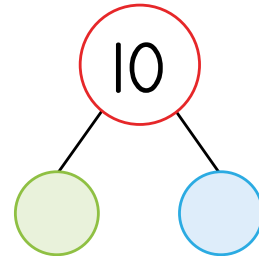
5 le 5 di dira 10
and make

le di dira 10
and make



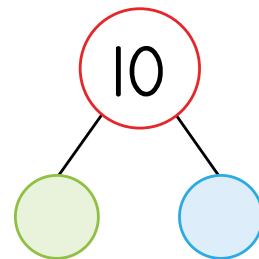
6 le 4 di dira 10
and make

le di dira 10
and make



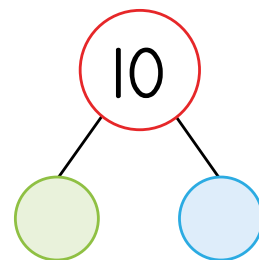
1 le 9 di dira 10
and make

le di dira 10
and make



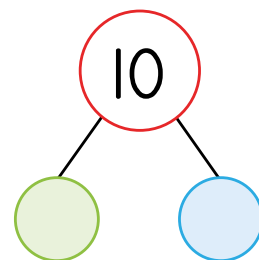
0 le 10 di dira 10
and make

le di dira 10
and make



3 le 7 di dira 10
and make

le di dira 10
and make





MMETSE
WA HLOGO
MENTAL MATHS

FIZZ POP - DITLEMAGANO
TŠA GO FIHLA GA 10
FIZZ POP - BONDS UP TO 10

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

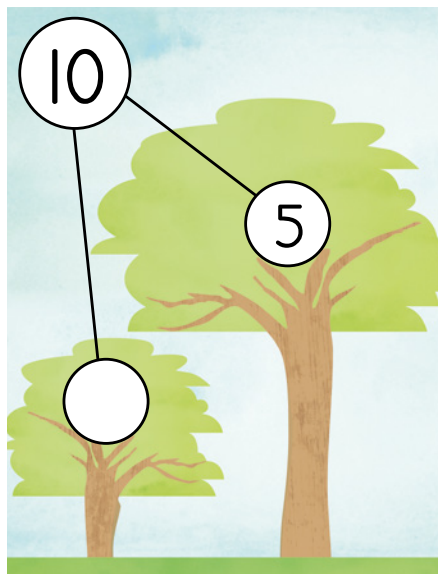
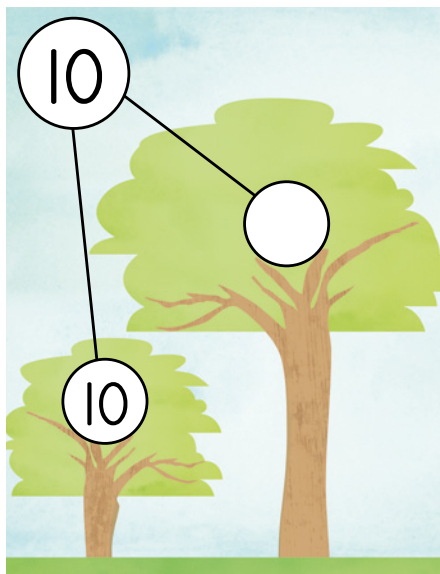
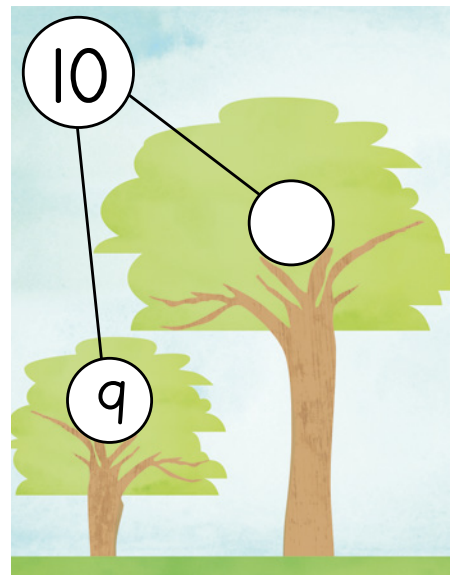
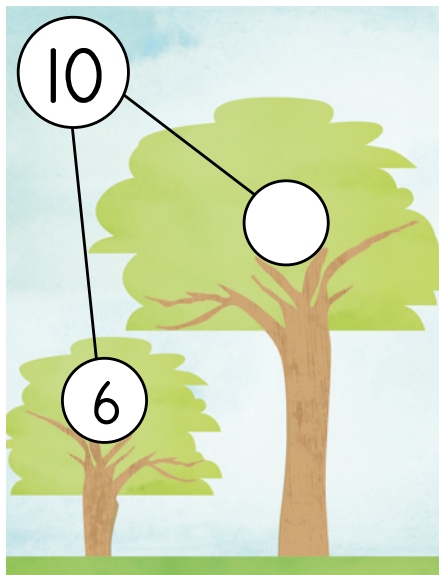
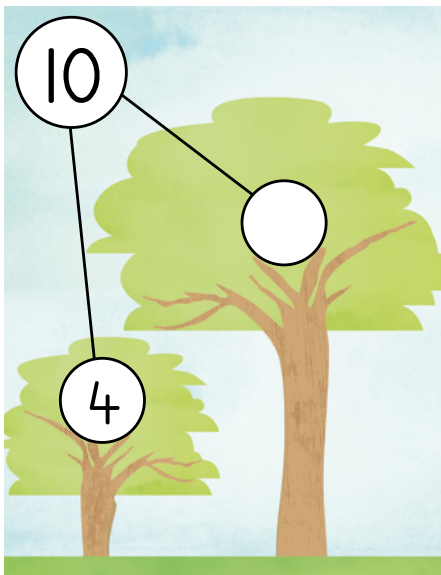
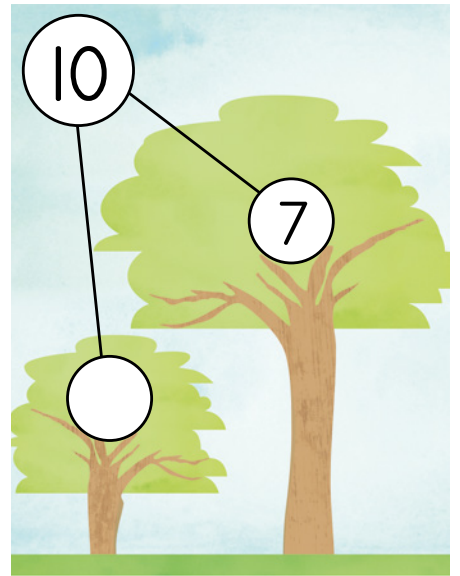
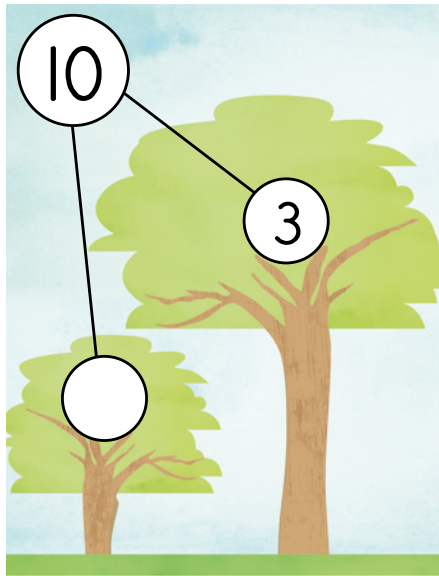
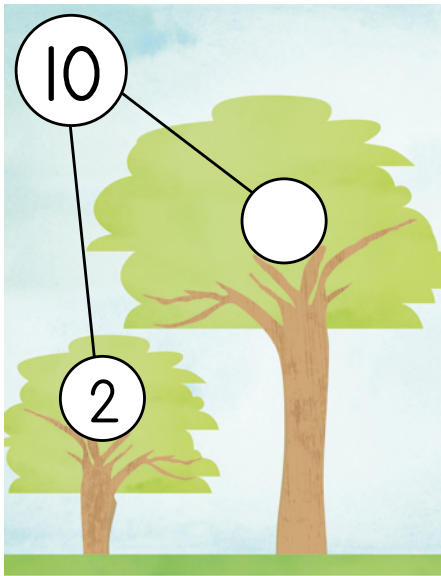
PAPADI
GAME

LETLAKALATŠHOMELO
WORKSHEET



Šomiša dibaledi tša gago go anegela mogwera kanegelo ya Nonyana Billy. Thoma ka dinonyana tše 10 mohlareng wo monnyane gomme o di dumelele go fofela mohlareng wo mogolo ka e tee ka e tee.

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.



MMETSE
WA HLOGO
MENTAL MATHS

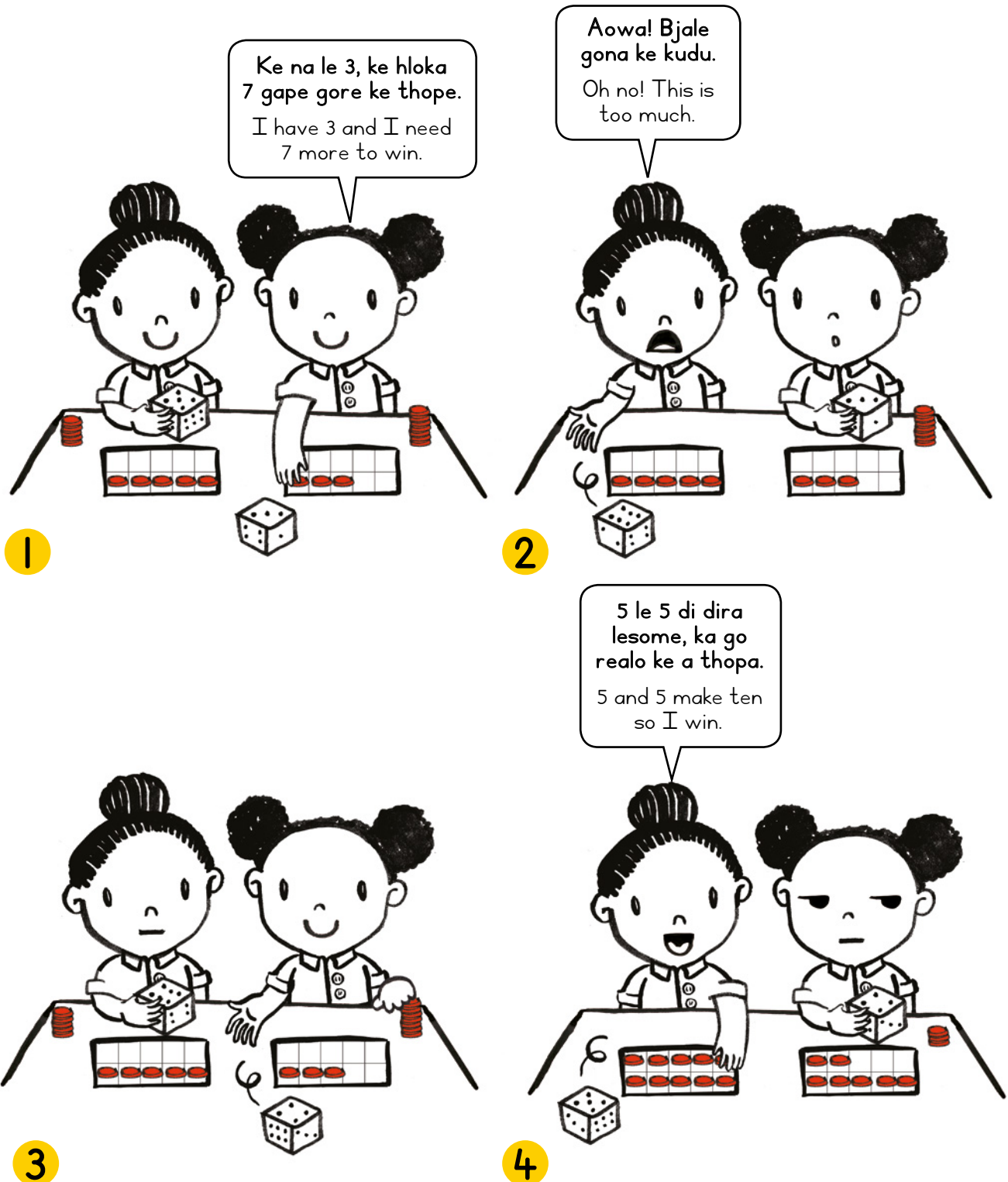
FIZZ POP - DITLEMAGANO
TŠA GO FIHLA GA 10
FIZZ POP - BONDS UP TO 10

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

LETLAKALATŠHOMELO
WORKSHEET

Papadi: Wa mathomo go fihla go lesome Game: First to ten



Na go sa hlokega tše kae go dira 10?

How many more to make 10?

	6 le 4 di dira 10 and make
	4 le di dira 10 and make
	8 le di dira 10 and make
	2 le di dira 10 and make
	5 le di dira 10 and make
	9 le di dira 10 and make
	1 le di dira 10 and make
	3 le di dira 10 and make
	0 le di dira 10 and make

MMETSE
WA HLOGO
MENTAL MATHS

FIZZ POP - DITLEMAGANO
TŠA GO FIHLA GA 10
FIZZ POP - BONDS UP TO 10

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

PAPADI
GAME

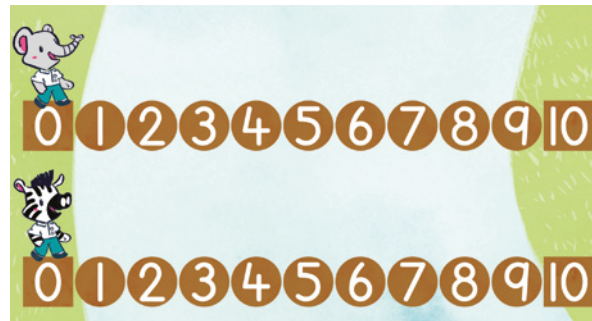
LETLAKALATŠHOMELO
WORKSHEET

Papadi: Go tshela noka

Game: Crossing the river

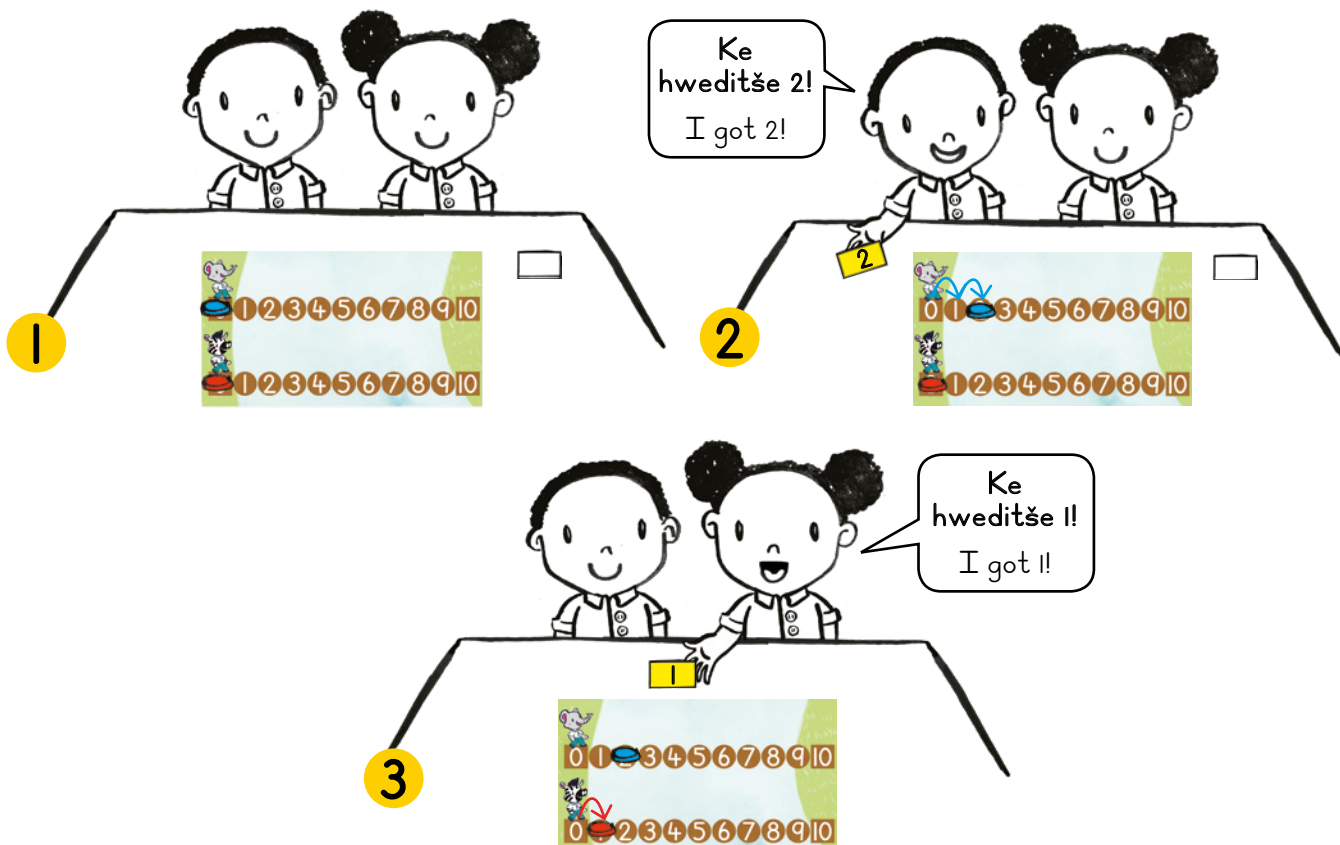
Tlou le Pitsi di swanetše go tshela noka ka go sepela godimo ga maswika.

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



Raloka le mogwera wa gago le bone gore ke mang yoo a tlogo fihla pele. Somiša dikarata tša gago tša 1 le 2 go sepela ka tšona.

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

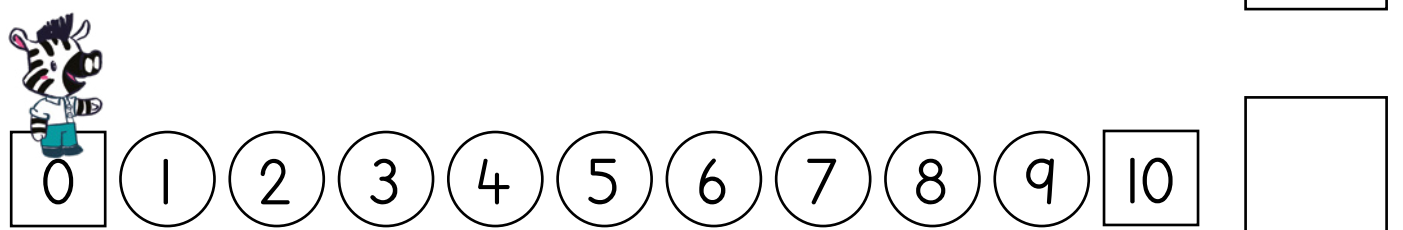
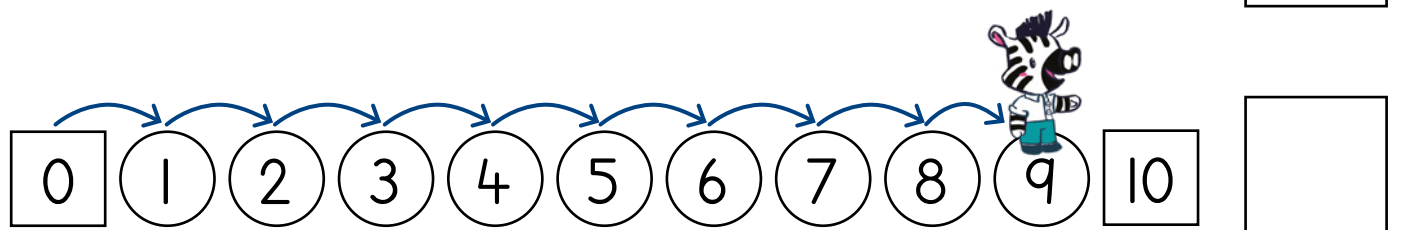
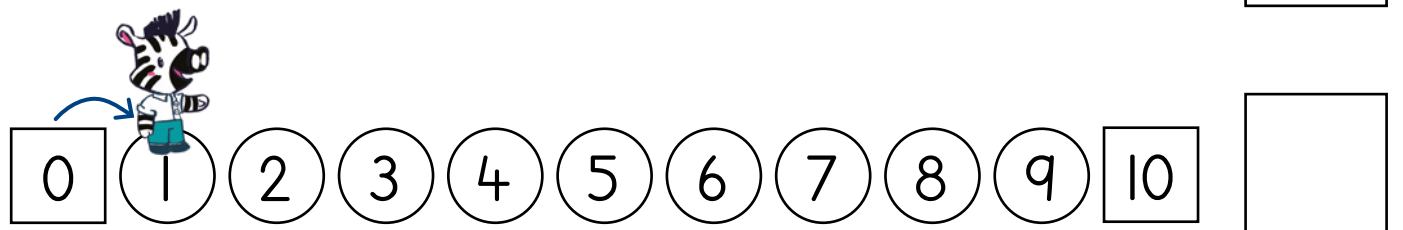
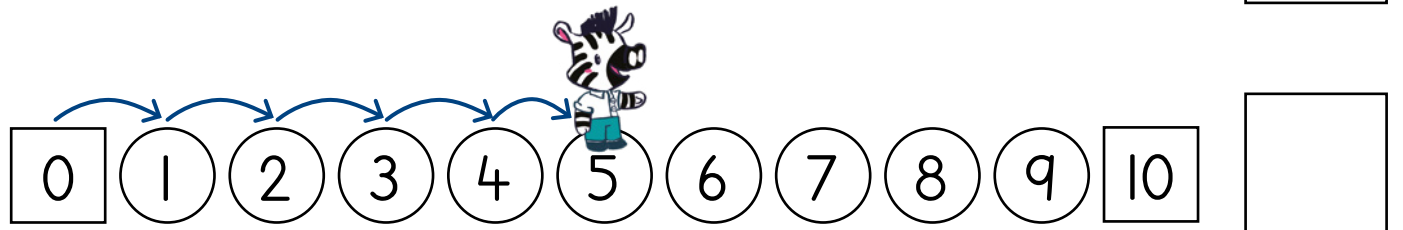
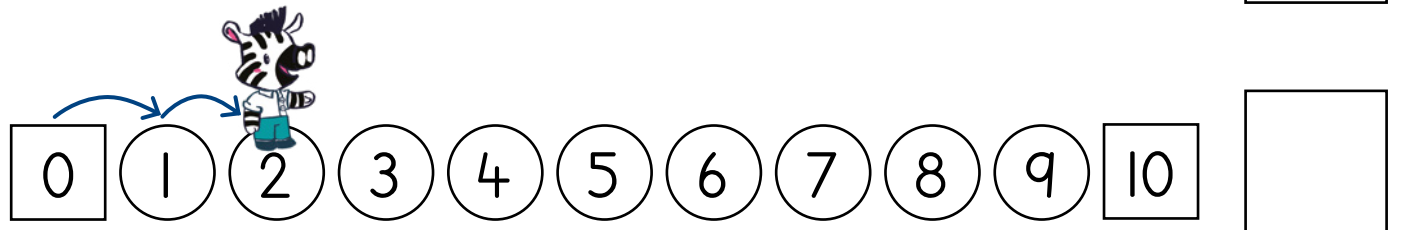
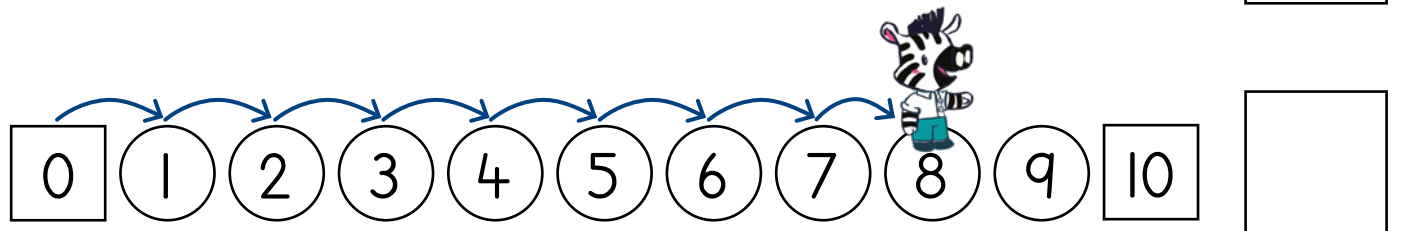
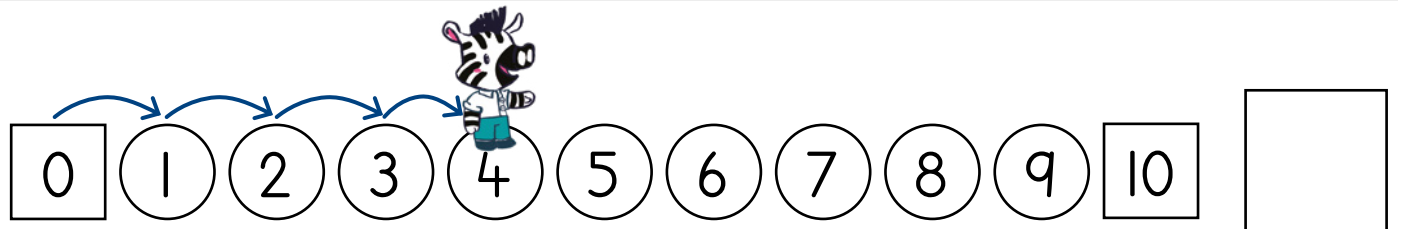
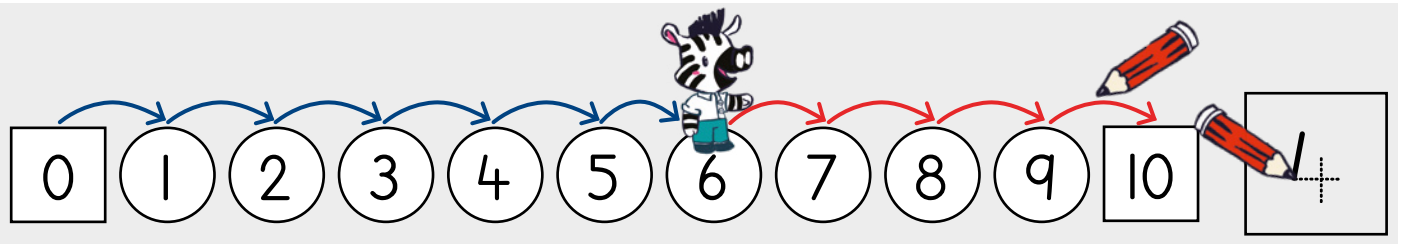


Motho wa mathomo wa go fihla ga 10 ke mothopasefoka. Ge o ka feta ka godimo ga 10 o fetwe ke sebaka sa gago.

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

Na ke dikgato tše kae go fihla go 10?

How many steps to 10?



LETLAKALATŠHOMELO
WORKSHEET

LETLAKALATŠHOMELO
WORKSHEET

1 Thala marontho o be o tlatše dipalo tšeo di tlogetšwego.

Draw the dots and fill in the missing numbers.

	4 le di dira 10 and make
	5 le di dira 10 and make
	9 le di dira 10 and make
	7 le di dira 10 and make
	2 le di dira 10 and make

2 Feleletša dinomoro tša tafola.

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



Bala Wande

Calculating with Confidence