



Kotara 3 : Term 3



**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 50 a go ruta ka Kotara ya 3. 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.



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.



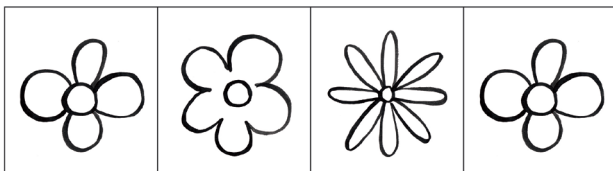
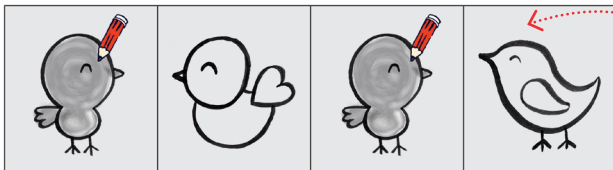
Mmetse wa Hlogo ke mošongwana wa mathomo wa letšatši le lengwe le le lengwe. Morutiši o tla eta mošongwana wo pele. Papadi ye e ka ralokwa letšatši lefe goba lefe la beke.

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 diretswe 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 Khalara 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 50 days of teaching in Term 3. 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.



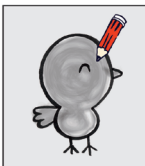
Mental Maths is the first activity every day. The teacher will lead this activity. You can play the game any day of the week.

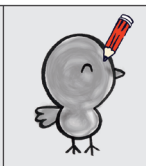
This icon marks the concept development activity that the teacher will lead.

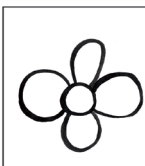
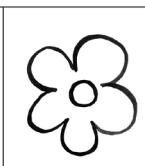
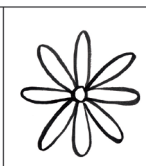
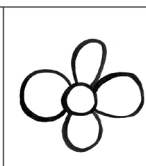


All the other pages in the book are for learners to work on independently or in groups with guidance and support from the teacher. They may be worksheets or games that will consolidate the concepts covered that day. Games are presented using cartoons of learners to show how the game should be played.

1 Khalara 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

NAKO
TIME

PAPADI
GAME

KGODIŠO YA KGPOLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

1 Na ke tšhe kae? Ngwala lefokopalo.

How many? Write the number sentence.

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

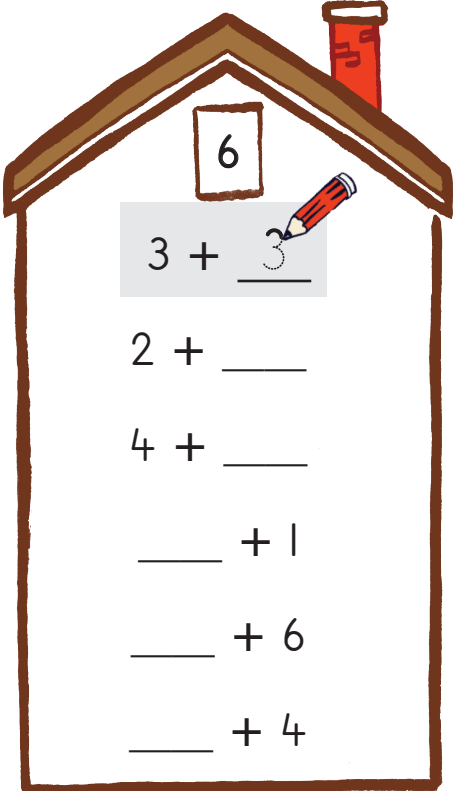
2 Na ke dipoloko tšhe kae?

How many blocks?

	$5 + 5 = 10$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
	$5 + 0 = 5$

3 Feleletša gore o hwetše palo ya ka godimo.

Complete to match the number at the top.



6

3 + 3

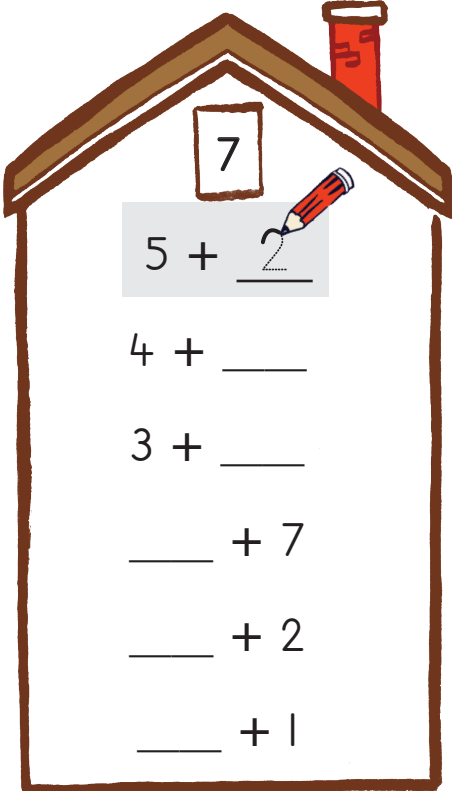
2 + ____

4 + ____

____ + 1

____ + 6

____ + 4



7

5 + 2

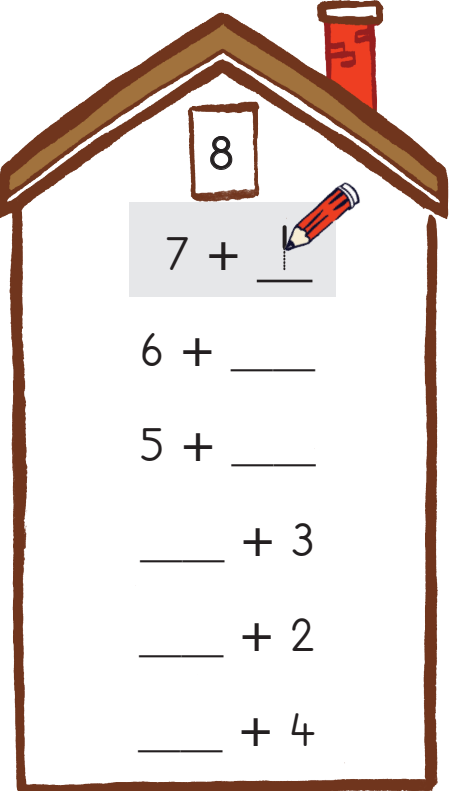
4 + ____

3 + ____

____ + 7

____ + 2

____ + 1



8

7 + 1

6 + ____

5 + ____

____ + 3

____ + 2

____ + 4

4 Latela tsela ya 5. O diretšwe tsela ya 4.

Follow the path of 5. The path of 4 has been done for you.

	2 + 1	4 + 1	0 + 5	3 + 2	0 + 1
5 →	1 + 4	2 + 3	1 + 2	5 + 0	2 + 3
	2 + 2	0 + 4	3 + 1	1 + 0	1 + 4
4 →	1 + 3	1 + 1	4 + 0	3 + 2	0 + 5
	2 + 3	1 + 3	2 + 2	4 + 1	3 + 1






Dipalo tša go fihla go 15

Numbers up to 15

MMETSE
WA HLOGO
MENTAL MATHS

NAKO
TIME

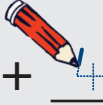
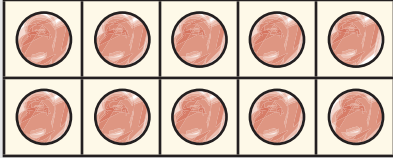
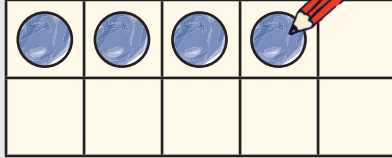
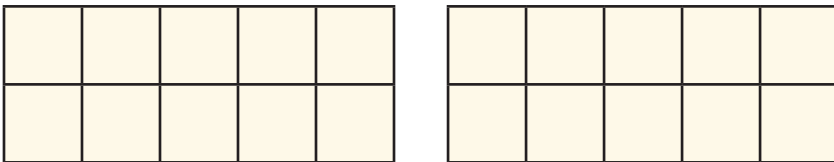
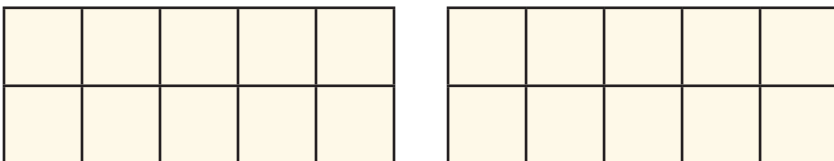
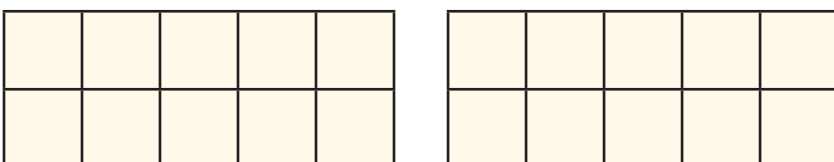
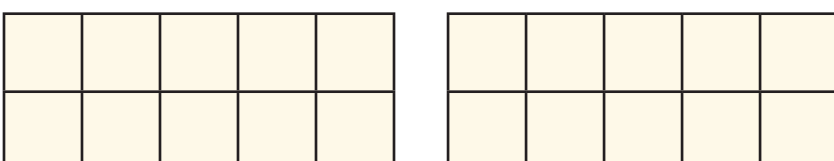
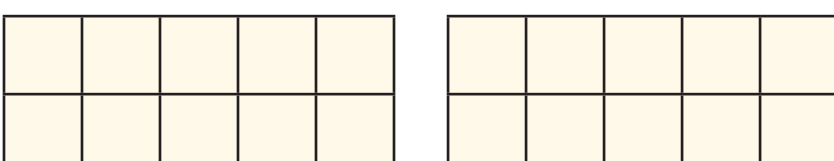
PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

1 Ngwala lefokopalo. Thala marontho.

Write the number sentence. Draw the dots.

$14 = 10 + \underline{\quad}$ 	 
$15 = 10 + \underline{\quad}$	
$12 = 10 + \underline{\quad}$	
$10 = 10 + \underline{\quad}$	
$11 = 10 + \underline{\quad}$	
$13 = 10 + \underline{\quad}$	

2 Tlatša dipalo tšeo di tlogetšwego.

Fill in the missing numbers.

1	2	3	4	5		7		9	
11		13		15		17		19	

3 Ngwala dipalo.

Write the numbers.

E tla ka morago Comes after	
10	 11
8	
11	
9	
14	
7	
12	

E tla pele Comes before	
 12	13
	7
	10
	5
	9
	15
	14

E tla magareng Comes between		
9	 10	11
5		7
8		10
12		14
13		15
10		12
6		8

4 Thala sediko go palo ye kgolo kudu.

Circle the **bigger** number.

 7	5
---	---

11	9
----	---

15	10
----	----

7	12
---	----

5 Thala sediko go palo ye nnyane kudu.

Circle the **smaller** number.

11	 5
----	---

9	14
---	----

12	2
----	---

5	15
---	----

MMETSE
WA HLOGO
MENTAL MATHS

NAKO
TIME

PAPADI
GAME

KGODIŠO YA KGPOLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

- 1 Tlatša
dipalo tšeo
di tlogetšwego.
Fill in the missing
numbers.

	1	2	3		5
	12	11			8
15		17			



- 2 Thala sediko go palo ye kgolo kudu.
Circle the **bigger** number.

12	20
----	----

9	19
---	----

13	15
----	----

16	11
----	----

- 3 Thala sediko go palo ye nnyane kudu.
Circle the **smaller** number.

9	6
---	---

20	2
----	---

5	8
---	---

15	17
----	----

- 4 Hlahlamolla dipalo go ya ka masome le metšo.
Break down the numbers into tens and ones.

12
10 2

15

11

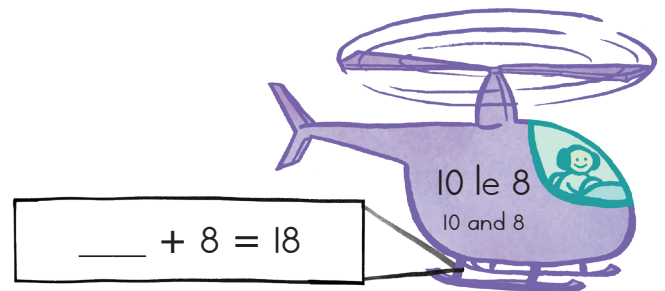
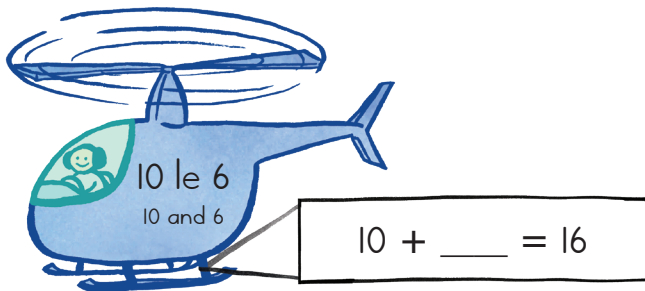
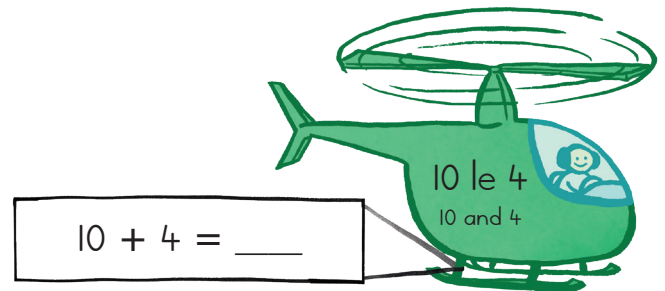
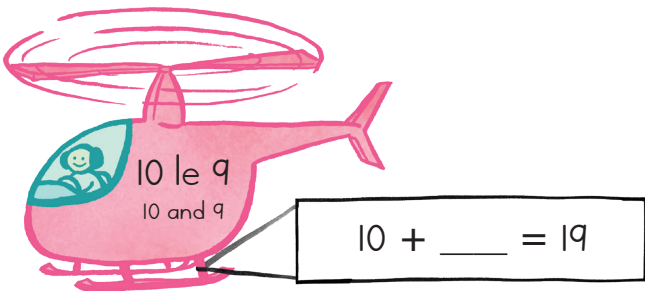
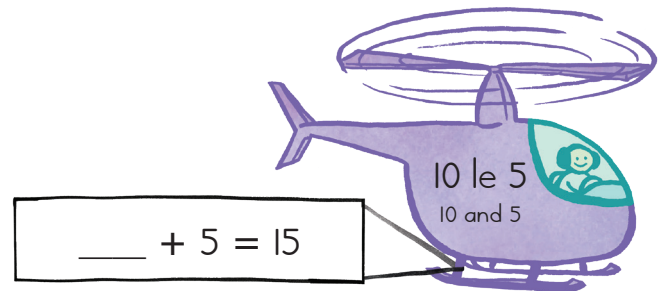
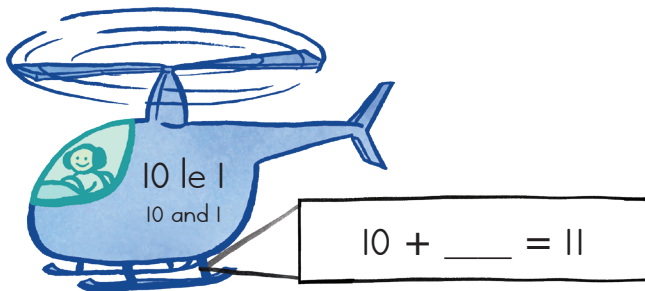
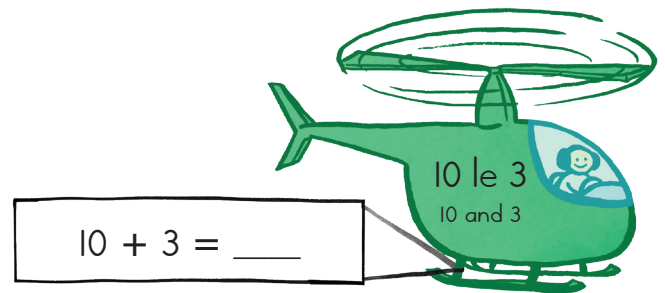
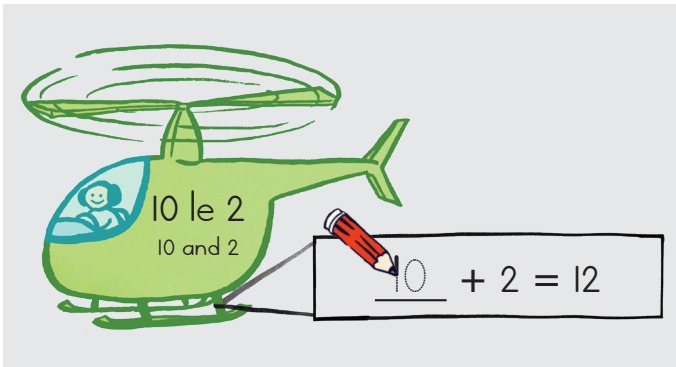
13

14

10

5 Feleletša mafokopalo.

Complete the number sentences.



MMETSE
WA HLOGO
MENTAL MATHS

NAKO
TIME

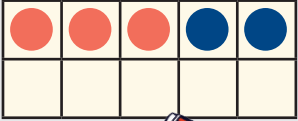
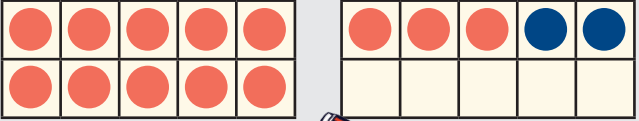
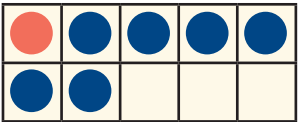
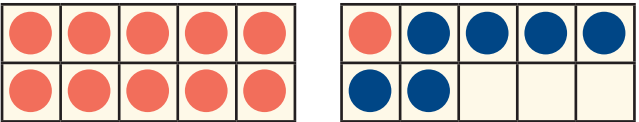
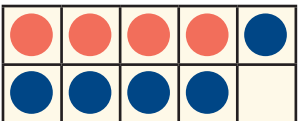
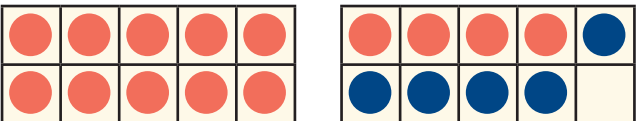
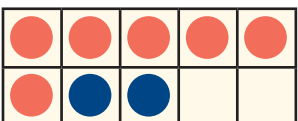
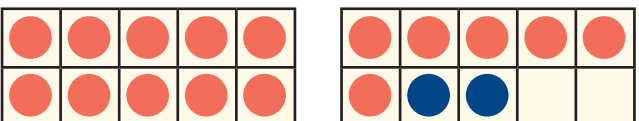
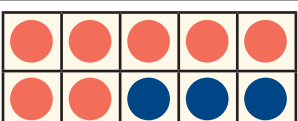
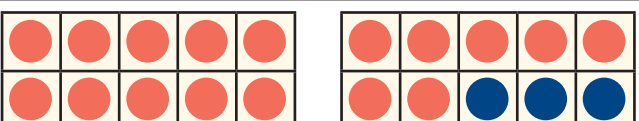
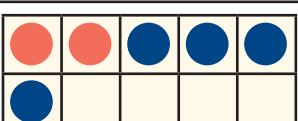
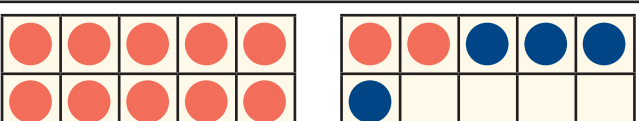
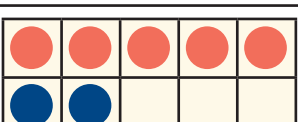
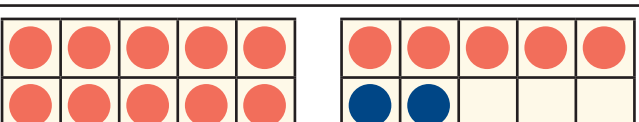
PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

LETLAKALATŠHOMELO
WORKSHEET

1 Hlakantšha marontho a matalaleratadima le a makhubedu.

Add the blue and red dots.

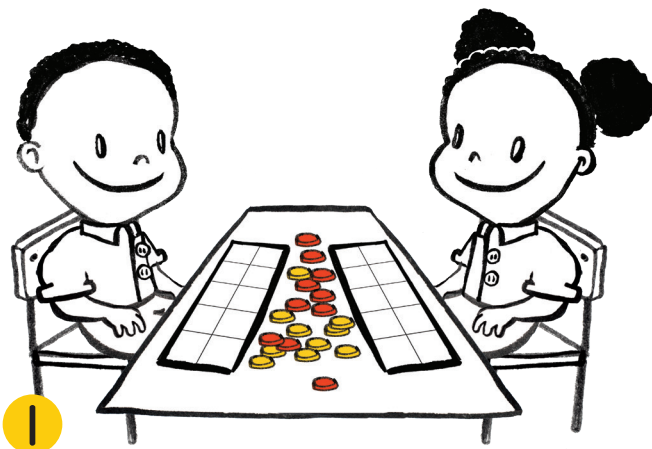
 $3 + 2 = 5$	 $13 + 2 = 15$
 $1 + 6 = \underline{\hspace{2cm}}$	 $11 + 6 = \underline{\hspace{2cm}}$
 $4 + 5 = \underline{\hspace{2cm}}$	 $14 + 5 = \underline{\hspace{2cm}}$
 $6 + 2 = \underline{\hspace{2cm}}$	 $16 + 2 = \underline{\hspace{2cm}}$
 $7 + 3 = \underline{\hspace{2cm}}$	 $17 + 3 = \underline{\hspace{2cm}}$
 $2 + 4 = \underline{\hspace{2cm}}$	 $12 + 4 = \underline{\hspace{2cm}}$
 $5 + 2 = \underline{\hspace{2cm}}$	 $15 + 2 = \underline{\hspace{2cm}}$

Papadi: Tšhing-tšhong tšha!

Game: Ching, chong, cha!

Thoma papadi ka dibaledi tše 20. Ge o ka thopa ka go lekalekanya, o tšea sebaledi. Morutwana wa go ba le dibaledi tše dintši ke mofenyi.

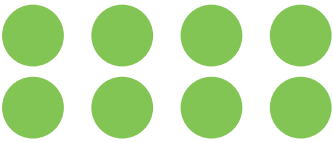
Start the game with 20 counters. If you win a draw, take a counter. The learner with the most counters is the winner.

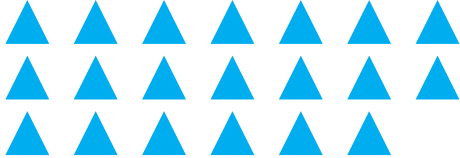
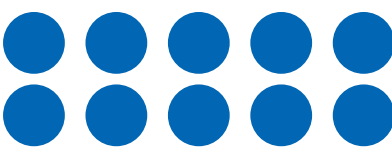
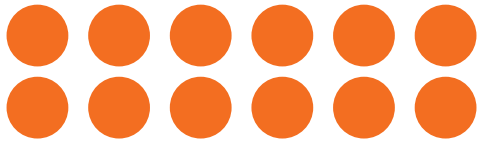


LETLAKALATŠHOMELO
WORKSHEET

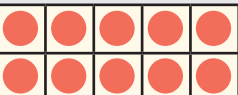
LETLAKALATŠHOMELO
WORKSHEET

1 Na ke diboego tše kae?
How many shapes?

	 8
	
	

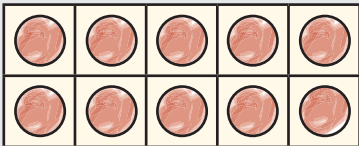
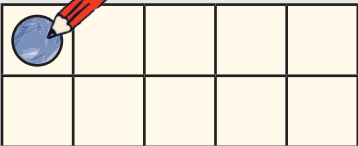
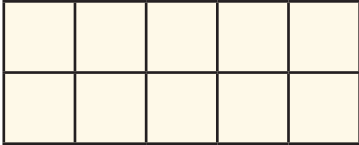
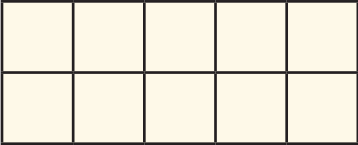
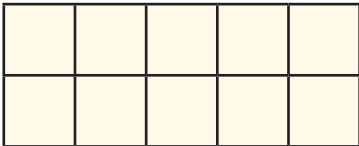
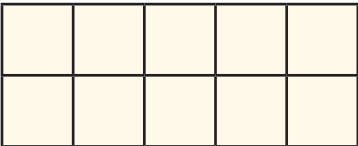
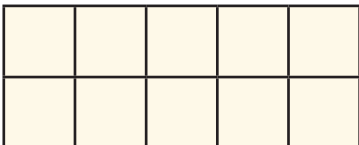
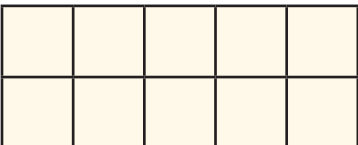
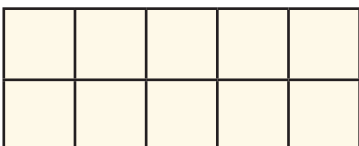
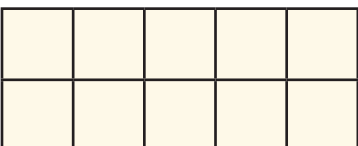
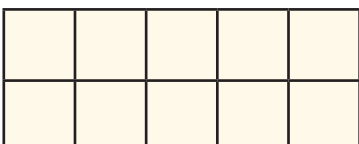
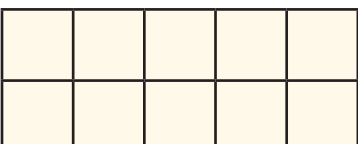
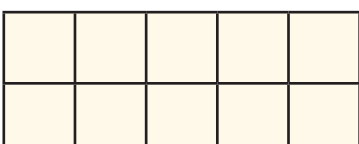
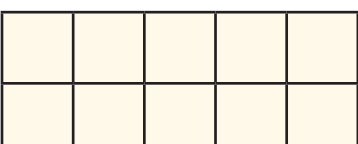
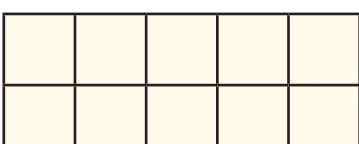
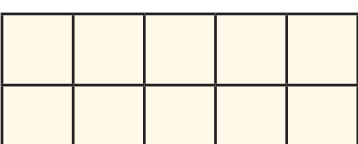
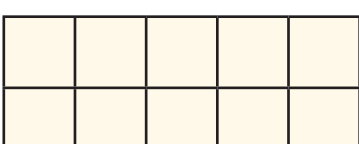
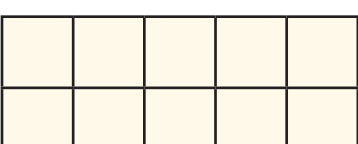
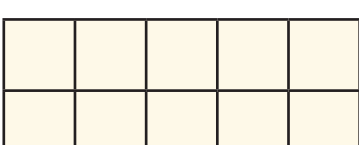
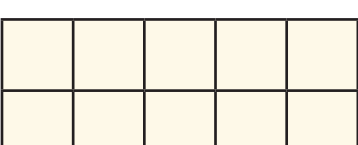
2 Na ke tše kae?
How much?

		 16
		
		
		
		

3 Na ke tše kae? Thala marontho.

How much? Draw the dots.

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

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA 10 -
DIKARATA TŠA DIPALO
BONDS OF 10 - NUMBER CARDS

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

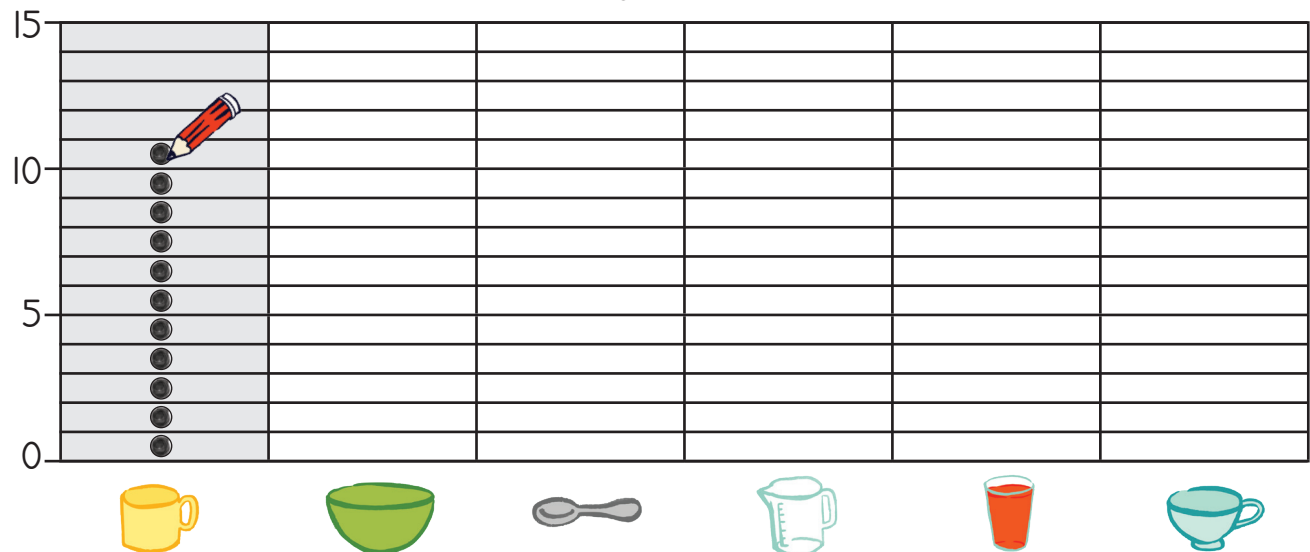
1 Go na le dilo tše dintši ka moraleng.

There are lots of things in the kitchen.

					
14	11	12	3	4	6

Thala marontho go laetša palo ya selo se sengwe le se sengwe seo se lego ka moraleng.

Draw dots to show the number of each thing in the kitchen.



2 Na go na le dilo tše kae ge di hlakana ka moka?

How many things are there altogether?

 le and   4 + 14 = 18	 le and  + =
 le and  + =	 le and  + =
 le and  + =	 le and  + =



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

3 Ngwala dipalo.

Write the numbers.

E tla morago Comes after	
16	 17
15	
13	
19	

E tla pele Comes before	
 19	20
	12
	18
	16

E tla gare Comes between		
12	 13	14
17		19
9		11
15		17

4 Thala sediko go dipalo

Circle the numbers.

Ye kgolo kudu Bigger	
 11	6
18	8
9	11
6	16
15	9
11	20
15	10

Ye nnyane kudu Smaller	
13	 5
18	20
7	6
8	18
13	3
2	20
9	11

Tša go lekana The same as		
 20	11	 20
7	7	12
12	13	13
8	10	8
9	9	18
6	16	6
14	4	4

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA 10 -
DIKARATA TŠA DIPALO
BONDS OF 10 - NUMBER CARDS

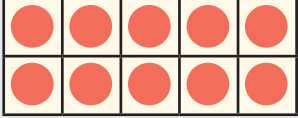
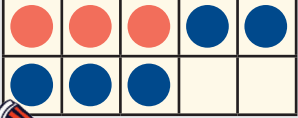
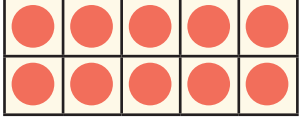
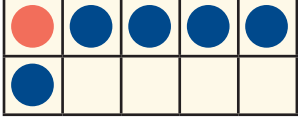
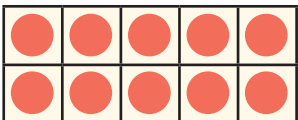
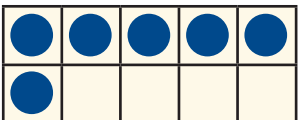
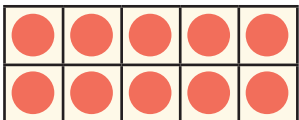
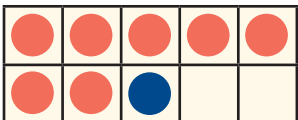
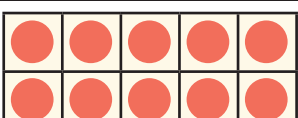
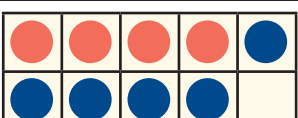
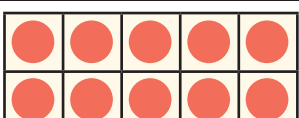
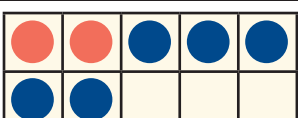
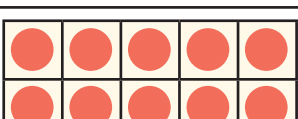
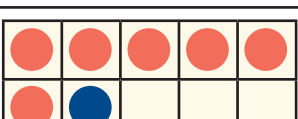
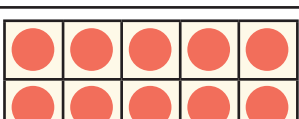
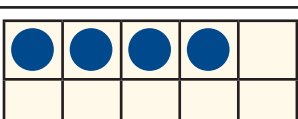
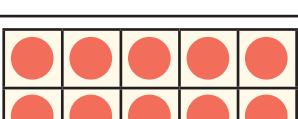
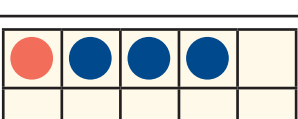
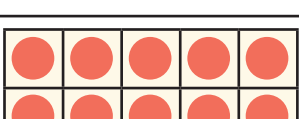
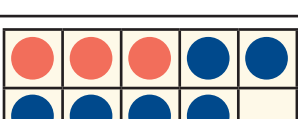
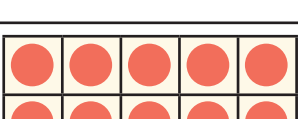
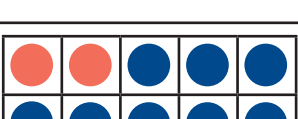
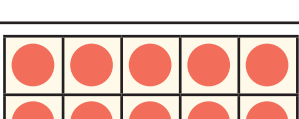
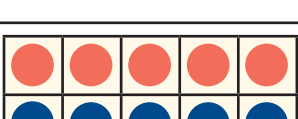
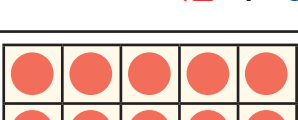
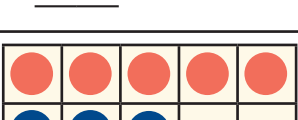
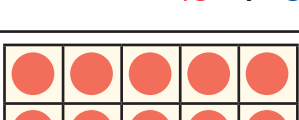
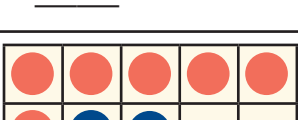
PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

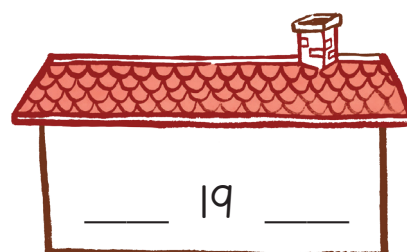
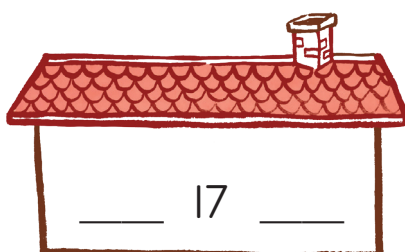
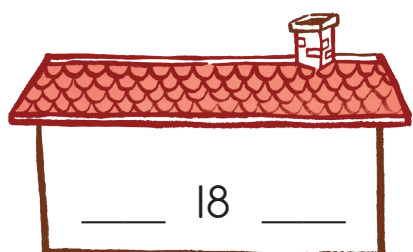
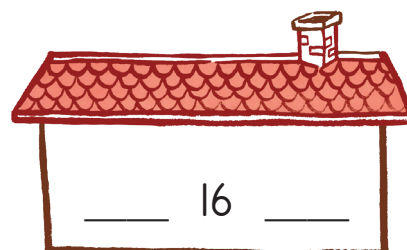
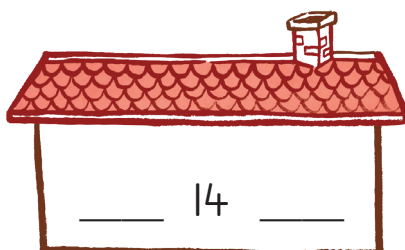
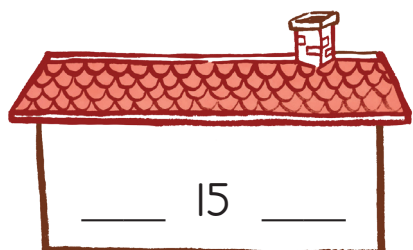
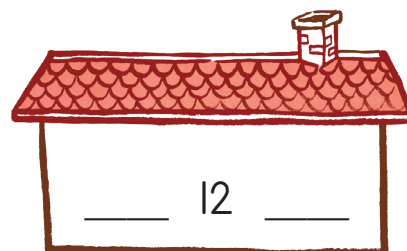
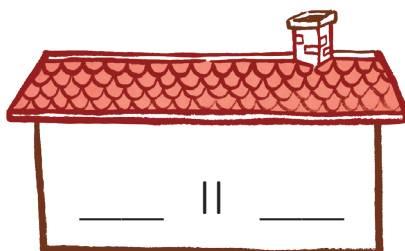
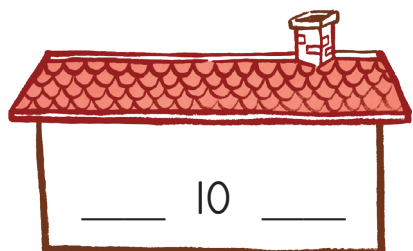
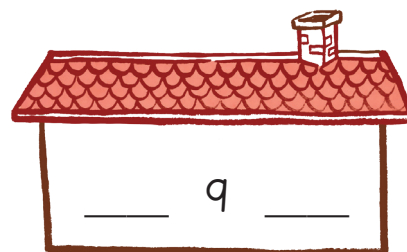
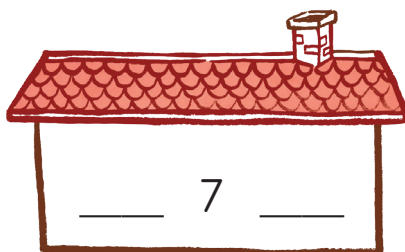
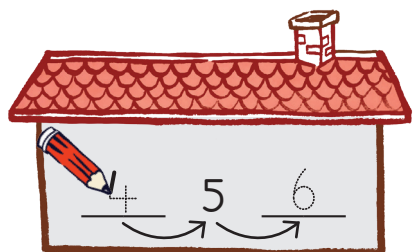
I Hlakantšha marontho a matalaleratadima le a makhubedu.

Add the blue and red dots.

  $13 + 5 = 18$	  $11 + 5 = \underline{\quad}$
  $10 + 6 = \underline{\quad}$	  $17 + 1 = \underline{\quad}$
  $14 + 5 = \underline{\quad}$	  $12 + 5 = \underline{\quad}$
  $16 + 1 = \underline{\quad}$	  $10 + 4 = \underline{\quad}$
  $11 + 3 = \underline{\quad}$	  $13 + 6 = \underline{\quad}$
  $12 + 8 = \underline{\quad}$	  $15 + 5 = \underline{\quad}$
  $15 + 3 = \underline{\quad}$	  $16 + 2 = \underline{\quad}$

2 Ngwala palo yeo e tlogo pele le yeo e tlogo morago ga palo yeo e filwego.

Write the numbers that come **before** and **after**.



3 Hlakantšha.

Add.

$$17 + 2 = \underline{19}$$

$$10 + 8 = \underline{18}$$

$$17 + 3 = \underline{\quad}$$

$$15 + 3 = \underline{\quad}$$

$$16 + 3 = \underline{\quad}$$

$$17 + 1 = \underline{\quad}$$

$$17 + 0 = \underline{\quad}$$

$$15 + 4 = \underline{\quad}$$

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA 10 -
DIKARATA TŠA DIPALO
BONDS OF 10 - NUMBER CARDS

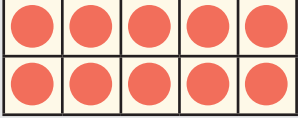
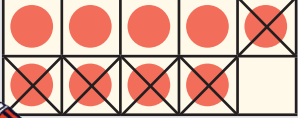
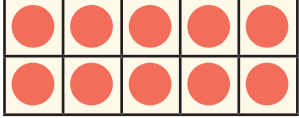
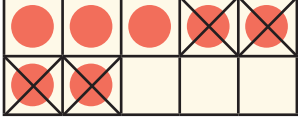
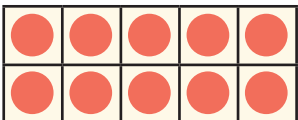
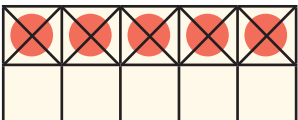
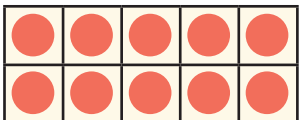
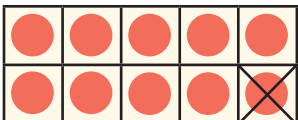
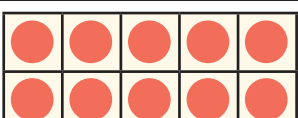
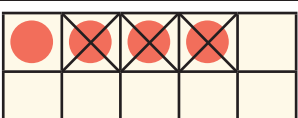
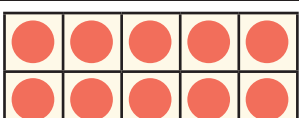
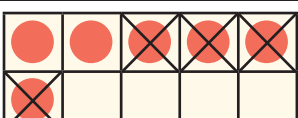
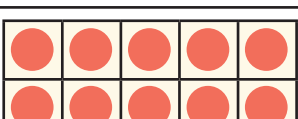
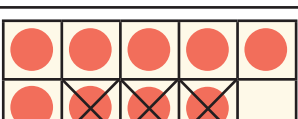
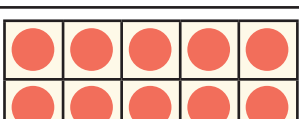
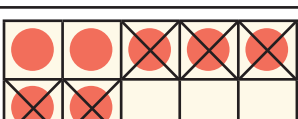
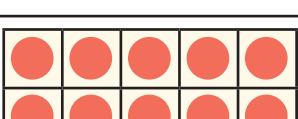
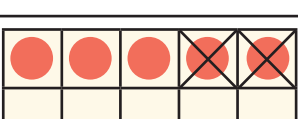
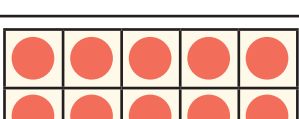
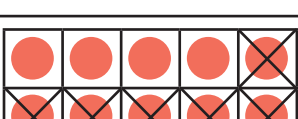
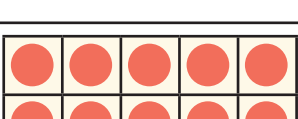
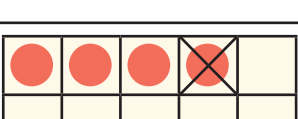
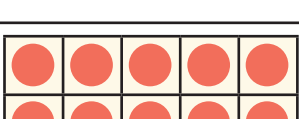
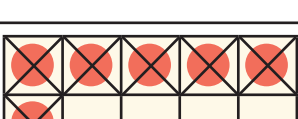
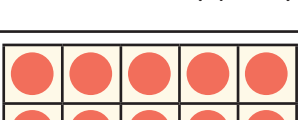
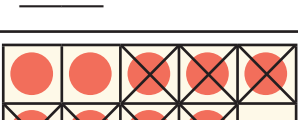
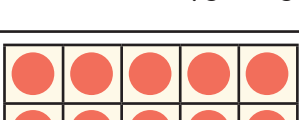
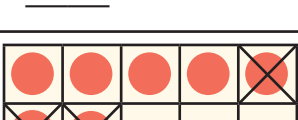
PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

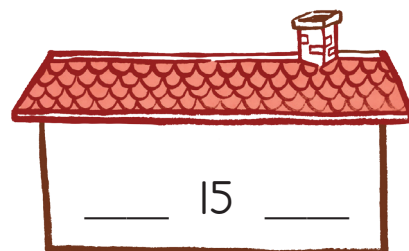
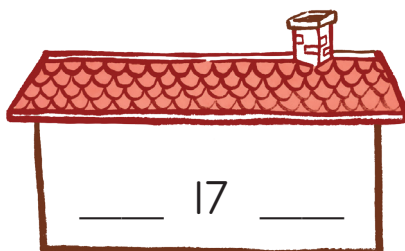
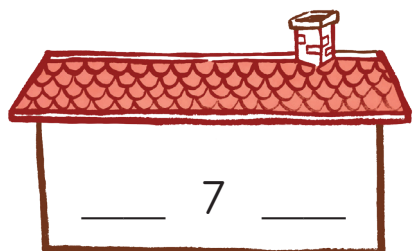
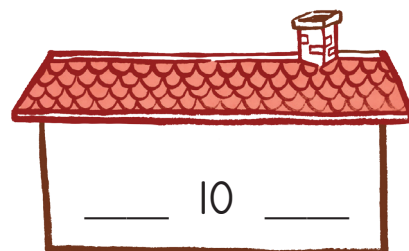
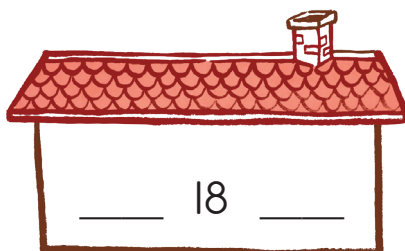
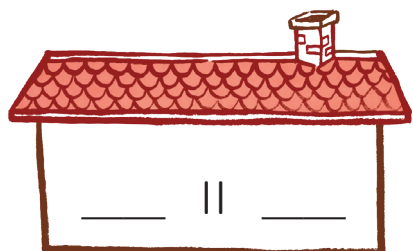
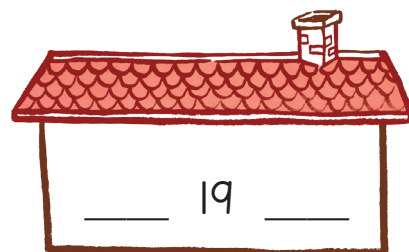
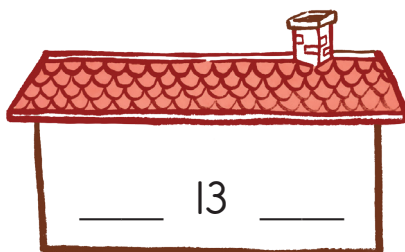
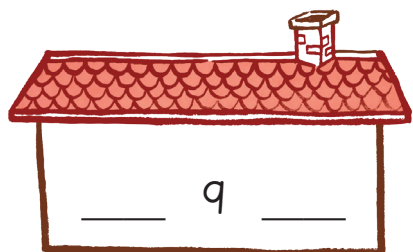
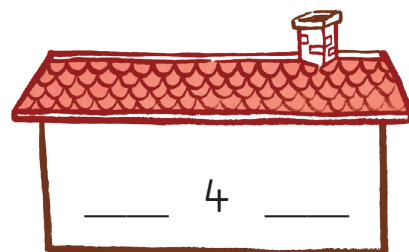
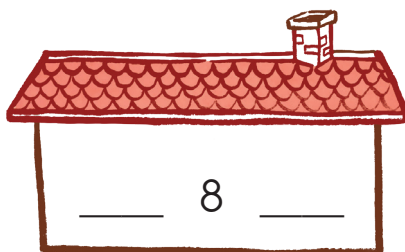
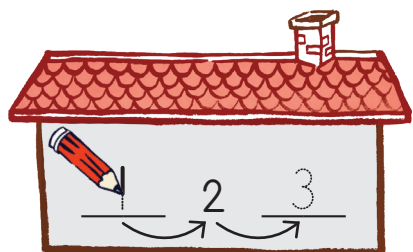
I Šomiša diforeimi tša lesome go ntšha marontho.

Use the ten frames to subtract the dots.

  $19 - 5 = \underline{14}$	  $17 - 4 = \underline{\quad}$
  $15 - 5 = \underline{\quad}$	  $20 - 1 = \underline{\quad}$
  $14 - 3 = \underline{\quad}$	  $16 - 4 = \underline{\quad}$
  $19 - 3 = \underline{\quad}$	  $17 - 5 = \underline{\quad}$
  $15 - 2 = \underline{\quad}$	  $20 - 6 = \underline{\quad}$
  $14 - 1 = \underline{\quad}$	  $16 - 6 = \underline{\quad}$
  $19 - 7 = \underline{\quad}$	  $17 - 3 = \underline{\quad}$

2 Ngwala palo yeo e tlogo pele le yeo e tlogo morago ga palo yeo e filwego.

Write the numbers that come **before** and **after**.



3 Rarolla marara a a go ntšha.

Solve these subtraction problems.

$$17 - 2 = \underline{15}$$

$$16 - 2 = \underline{\quad}$$

$$18 - 3 = \underline{\quad}$$

$$17 - 4 = \underline{\quad}$$

$$16 - 4 = \underline{\quad}$$

$$18 - 5 = \underline{\quad}$$

Go hlakantšha le go ntšha gape go fihla go 20
More addition and subtraction up to 20

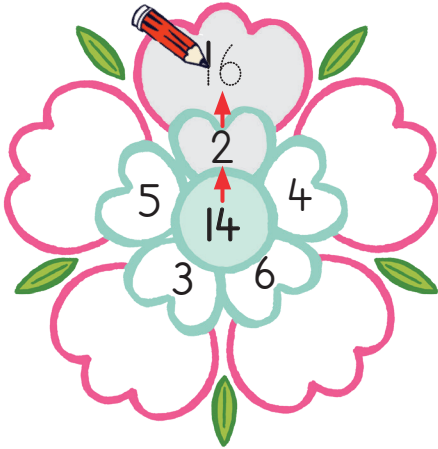
MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA 10 -
DIKARATA TŠA DIPALO
BONDS OF 10 - NUMBER CARDS

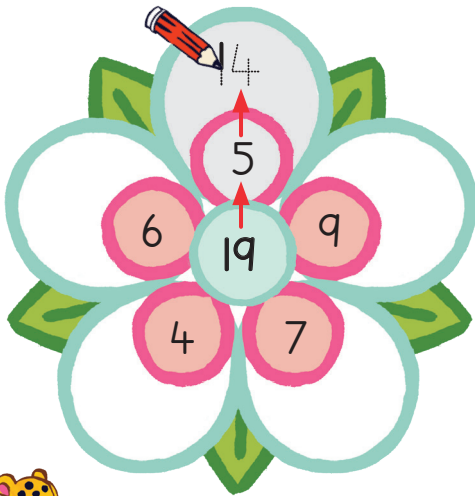
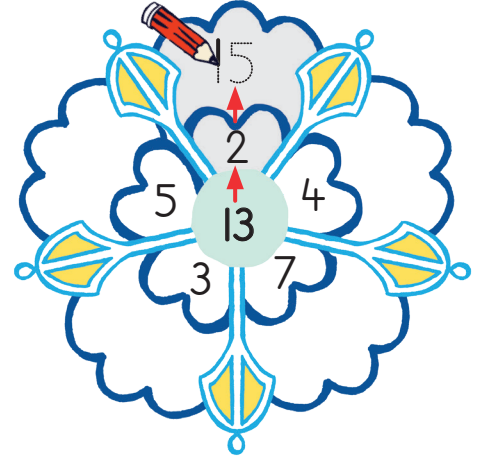
PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

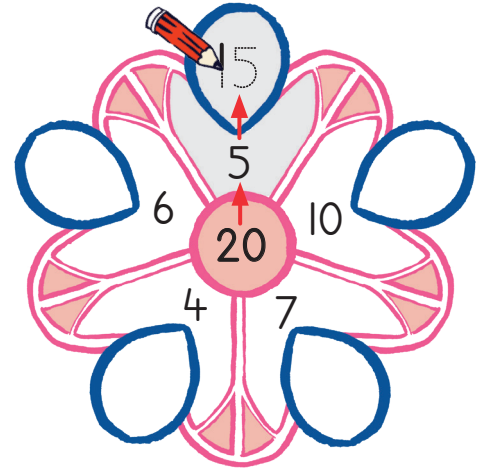
MATLAKALATŠHOMELO
WORKSHEETS



1 Hlakantšha.
Add.



2 Ntšha.
Subtract.



3 Rarolla marara a go hlakantšha le a go ntšha.
Solve the addition and subtraction problems.

$$10 + 7 = \underline{17}$$

$$17 - 4 = \underline{13}$$

$$12 + 3 = \underline{15}$$

$$16 + 1 = \underline{\quad}$$

$$17 - 6 = \underline{\quad}$$

$$14 + 2 = \underline{\quad}$$

$$15 + 2 = \underline{\quad}$$

$$16 - 3 = \underline{\quad}$$

$$13 + 3 = \underline{\quad}$$

$$14 + 3 = \underline{\quad}$$

$$16 - 6 = \underline{\quad}$$

$$15 + 1 = \underline{\quad}$$

4 Rarolla marara a go ntšha.

Solve the subtraction problems.

$$20 - 3 = \underline{17}$$

$$20 - 6 = \underline{\quad}$$

$$14 - 4 = \underline{\quad}$$

$$20 - 2 = \underline{\quad}$$

$$20 - 7 = \underline{\quad}$$

$$18 - 8 = \underline{\quad}$$

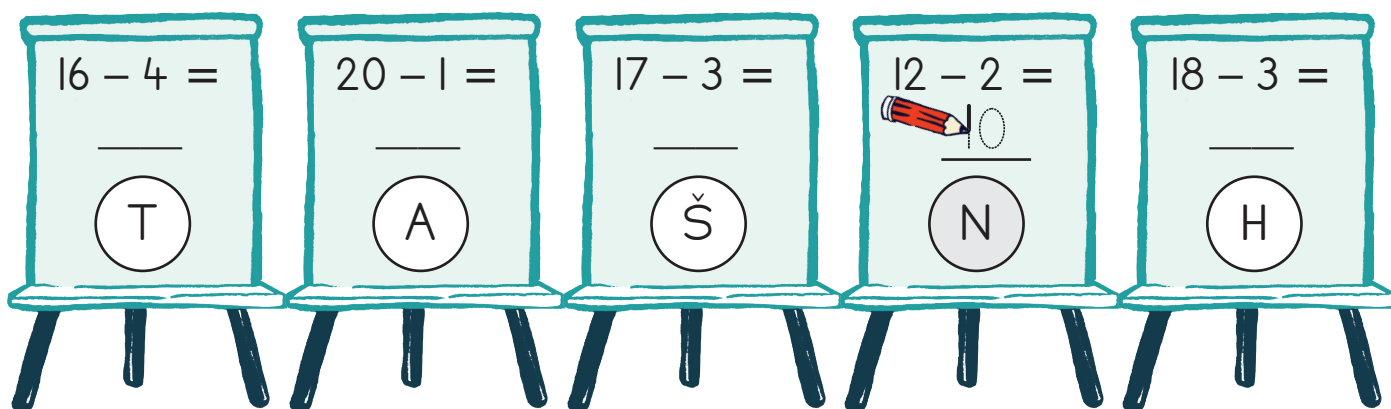
$$20 - 4 = \underline{\quad}$$

$$20 - 3 = \underline{\quad}$$

$$13 - 3 = \underline{\quad}$$

5 Ngwala dikarabo go tloga go ye nnyanenyane go ya go ye kgolokgolo.

Write the answers from the **smallest** to the **largest**.



6 Ngwala dikarabo go tloga go ye kgolokgolo go ya go ye nnyanenyane.

Write the answers from the **largest** to the **smallest**.



Papadi: Naganela palo ya ka Game: Guess my number



1

Naganela palo ya ka.
Ke ye nnyane go 20.

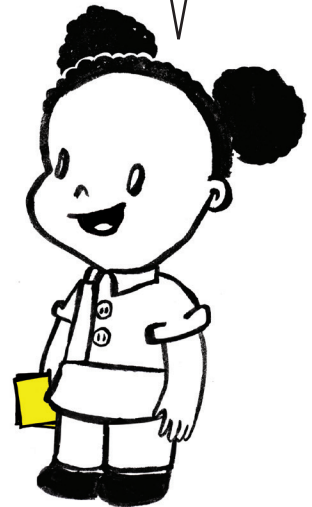
Guess my number.
It is less than 20.



2

9

Ye kgolo kudu!
Too big!



3

5

Ye nnyane kudu!
Too small!



4

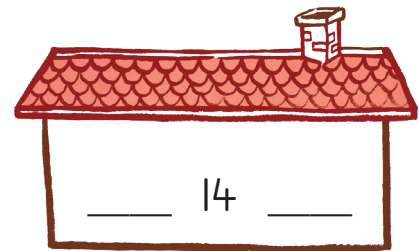
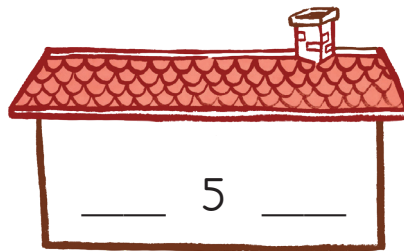
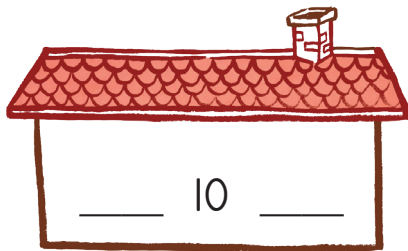
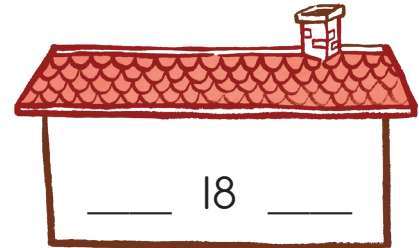
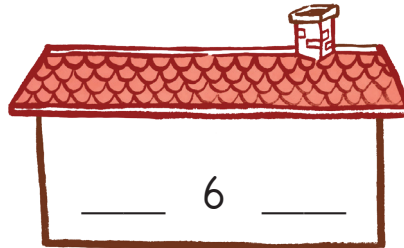
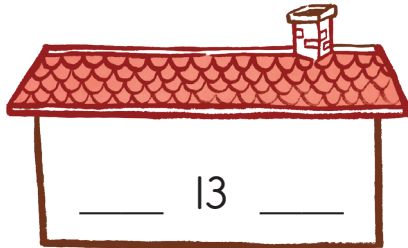
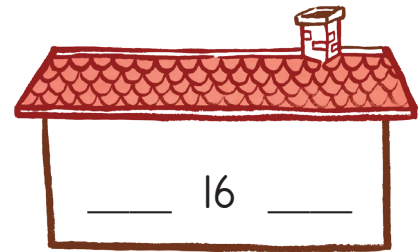
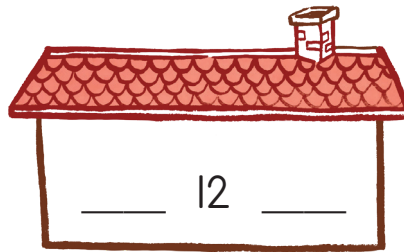
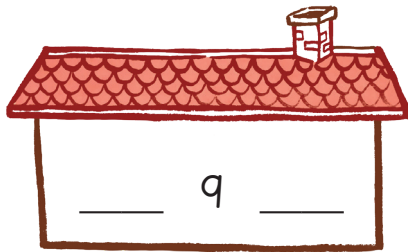
7

O nepile!
A re raloke gape.
Correct!
Let's play again.



1 Ngwala palo yeo e tlogo pele le yeo e tlogo morago ga palo yeo e filwego.

Write the numbers that come **before** and **after**.



2 Ngwala dipalo.

Write the numbers.

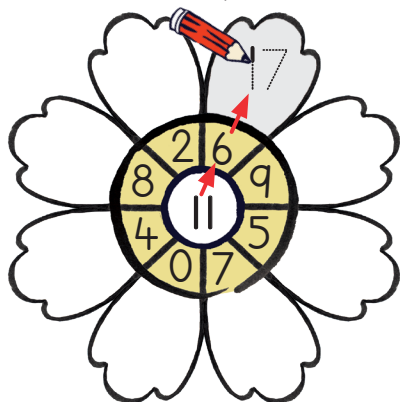
e tla pele comes before	
	5
	9
	14
	17
	11
	18

e tla pele comes after	
7	
10	
16	
20	
13	
17	

e tla gare comes between		
6		8
17		19
13		15
9		11
18		20
16		18

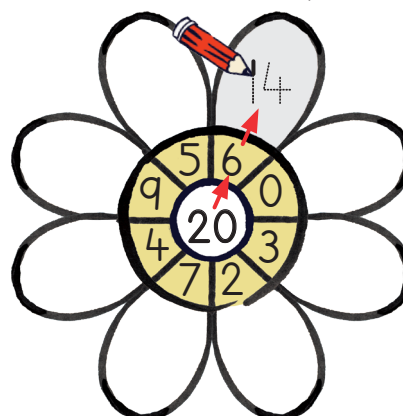
3 Hlakantšha gore o rarolle marara.

Add to solve the problems.



Ntšha gore o rarolle marara.

Subtract to solve the problems.



4 Rarolla marara a a go hlakantšha le a go ntšha.

Solve these addition and subtraction problems.

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

$12 + 7 = \underline{\quad}$

$19 - 1 = \underline{\quad}$

$10 + 9 = \underline{\quad}$

$13 + 5 = \underline{\quad}$

$19 - 4 = \underline{\quad}$

$10 + 8 = \underline{\quad}$

$14 + 5 = \underline{\quad}$

$19 - 3 = \underline{\quad}$

$10 + 10 = \underline{\quad}$

$15 + 4 = \underline{\quad}$

$19 - 5 = \underline{\quad}$

5 Rarolla marara o be o ngwale ditlhaka ka gare ga dikhutlonne tša ka tlase go hwetša lentšu.

Solve the problems and write the letters in the squares below to find the word.

$11 + 3 = \underline{\quad}$

A

$15 - 5 = \underline{10}$

H

$11 + 6 = \underline{\quad}$

Š

$18 - 5 = \underline{\quad}$

K

$12 + 3 = \underline{\quad}$

N

$17 - 5 = \underline{\quad}$

A

$12 + 4 = \underline{\quad}$

T

$19 - 8 = \underline{11}$

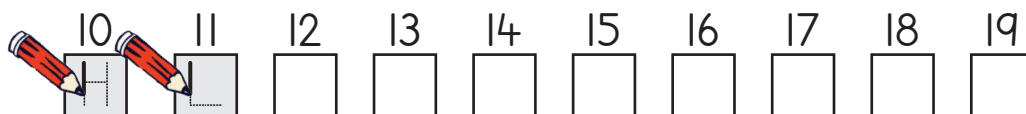
L

$13 + 5 = \underline{\quad}$

H

$20 - 1 = \underline{\quad}$

A



Mararantšu a go hlakantšha

Addition word problems

MMETSE
WA HLOGO
MENTAL MATHS

1, 2, 3 BONTŠHA -
GO HLAkantšHA
1, 2, 3 SHOW - ADDITION

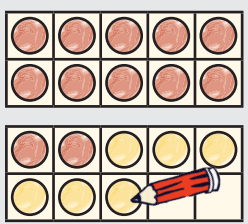
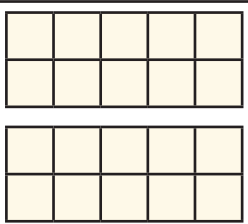
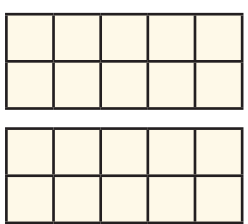
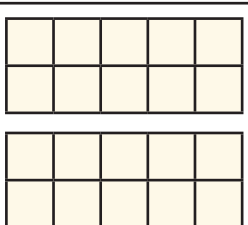
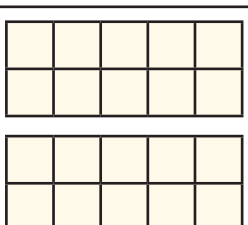
PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

1 Rarolla mararantšu a o šomiša diforeimi tša lesome.

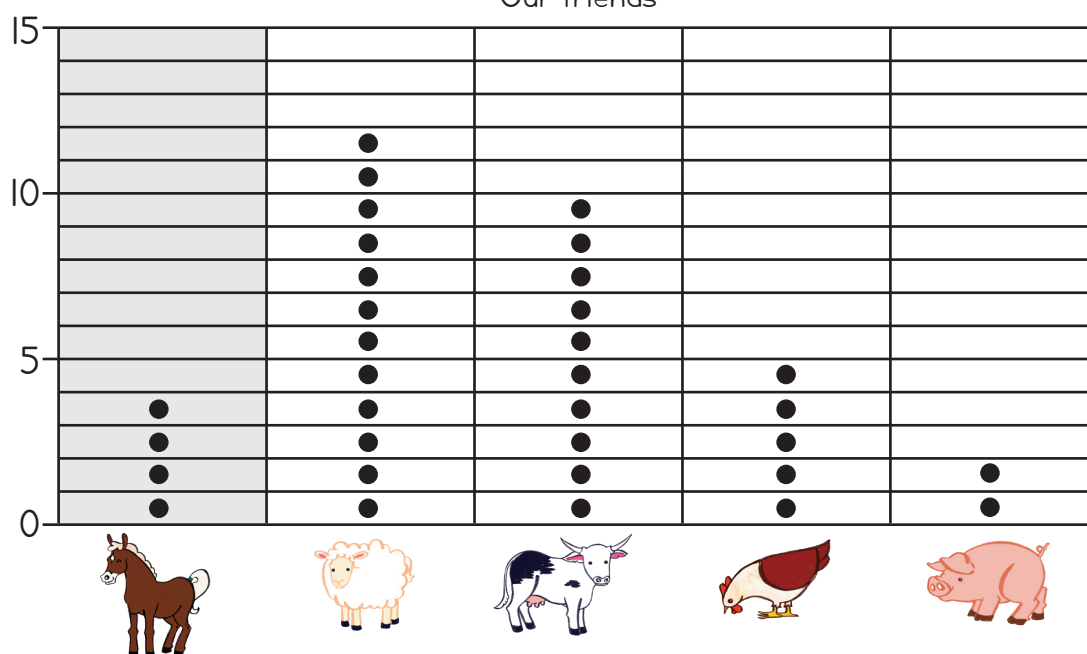
Solve these word problems using the ten frames.

Ke na le dipaluni tše 12. Mogwera wa ka o na le dipaluni tše dintši ka 6 go feta tša ka. Na mogwera wa ka o na le dipaluni tše kae? I have 12 balloons. My friend has 6 more balloons than me. How many balloons does she have? 	 <u>12</u> + <u>6</u> = <u>18</u>
Nosisi o na le dimabole tše 13 tše ditalamorogo le dimabole tše 4 tše ditalaleratadima. Na Nosisi o na le dimabole tše kae? Nosisi has 13 green marbles and 4 blue marbles. How many marbles does she have? 	 _____ + _____ = _____
Ke na le diapole tše 11. Khwezi yena o na le diapole tše dintši ka 5 go feta tša ka. Na Khwezi o na le diapole tše kae? I have 11 apples. Khwezi has 5 more apples than me. How many apples does he have? 	 _____ + _____ = _____
Tumelo o na le malekere a 10 a makhubedu le malekere a matalaleratadima a 9. Na o na le malekere a makae ge a hlakana ka moka? Tumelo has 10 red sweets and 9 blue sweets. How many sweets does she have altogether? 	 _____ + _____ = _____
Ke na le diphentshele tše 15. Mogwera wa ka o na le diphentshele tše dintši ka 3 go feta tša ka. Na o na le diphentshele tše kae? I have 15 pencils. My friend has 3 more pencils than me. How many pencils does he have? 	 _____ + _____ = _____

2

Bagwera ba rena

Our friends



Na phoofolo ye nngwe le ye nngwe e bontšhitšwe gaka e godimo ga kerafo?

How many of each animal is shown on the graph?

3

Na ke tšhe kae ge di hlakana ka moka?

How many altogether?

 +   <u>4</u> + <u>5</u> = <u>9</u>	 +   <u>12</u> + <u>4</u> = <u>16</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>

MMETSE
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1, 2, 3 BONTŠHA -
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CONCEPT DEVELOPMENT

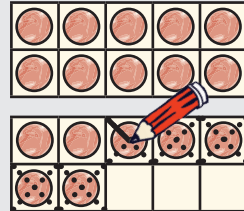
MATLAKALATŠHOMELO
WORKSHEETS

1 Rarolla mararantšu o šomiša diforeimi tša lesome.

Solve the word problems using the ten frames.

Go na le dinonyana tše 17 godimo ga lekala. Tše 5 tša tšona di a fofa. Na go šetše dinonyana tše kae?

There are 17 birds on the branch. 5 of them fly away. How many birds are left?



$$17 - 5 = 12$$

Go na le tše 20 ka polaseng. Tše 9 tša tšona di lahlegile. Na go šetše dinku tše kae?

There are 20 sheep on the farm. 9 of them get lost. How many sheep are left?



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

Go na le dikgwele tša maoto tše 18 ka mokotleng. Tše 6 tša tšona di šomišitšwe. Na go šetše dikgwele tša maoto tše kae?

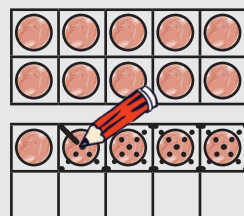
There are 18 soccer balls in the bag. 6 of them are used. How many soccer balls are left?



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

Go na le dimabole tše 15 tše dikhubedu le dimabole tše 4 tše ditalamorogo ka mokotleng. Na phapano ke eng magareng ga palo ya dimabole tše dikhubedu le tše ditalamorogo?

There are 15 red marbles and 4 green marbles in a bag. What is the difference between the number of red and green marbles?



$$15 - 4 = 11$$

Go na le diphentshele tše 19 le dipene tše 6 ka gare ga moruswi. Na phapano ke eng magareng ga palo ya diphentshele le dipene?

There are 19 pencils and 6 pens in the jar. What is the difference between the number of pencils and pens?

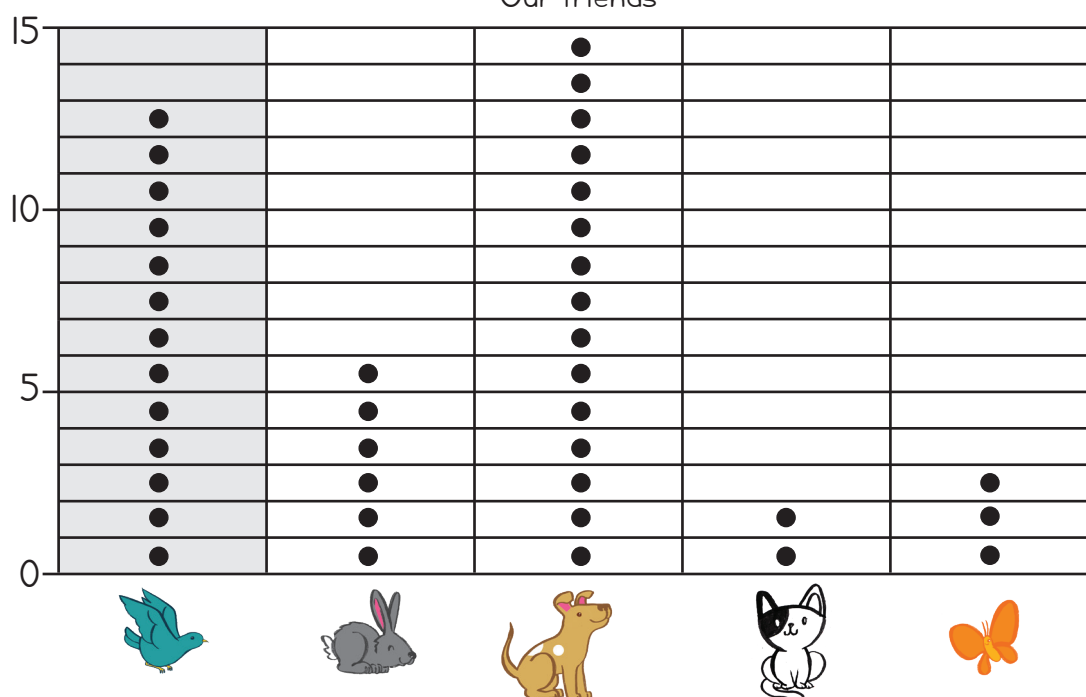


$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

2

Bagwera ba rena

Our friends



Na phoofolo ye nngwe le ye nngwe e bontšhitšwe gaka e godimo ga kerafo?

How many of each are shown on the graph?

				
 13				

3

Na  ke ye mentši ka ye mekae go feta ?

How many more  than ?

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

Na  ke tše ntši ka tše kae go feta ?

How many more  than ?

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

Na  ke tše ntši ka tše kae go feta ?

How many more  than ?

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

Go hlakantšha le go ntšha dipalo tše 3

Addition and subtraction of 3 numbers

MMETSE
WA HLOGO
MENTAL MATHS

1, 2, 3 BONTŠHA -
GO HLAkantšHA
1, 2, 3 SHOW - ADDITION

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS



Šomiša mohlala wa palo ya gago.

Use your number track.



1 Na ke dipheta tše kae ge di hlakana ka moka?

How many beads altogether?

 $4 + 4 + 2 = 10$	 $___ + ___ + ___ = ___$
 $___ + ___ + ___ = ___$	 $___ + ___ + ___ = ___$
 $___ + ___ + ___ = ___$	 $___ + ___ + ___ = ___$

2 Ntšha: Na go šetše dipheta tše kae?

Subtract: How many beads are left?

 $13 - 3 - 3 = ___$	 $14 - 4 - 3 = ___$
 $15 - 5 - 4 = ___$	 $16 - 6 - 2 = ___$
 $17 - 7 - 3 = ___$	 $18 - 8 - 4 = ___$

3

					
10	1	12	4	3	4

Na ke tše kae?

How many?

 +  +   10 + 1 + 4 = 15	 +  +  _____ + _____ + _____ = _____
--	---

Na phapano ke eng?

What is the difference?

 -   4 - 3 = 1	 -  _____ - _____ = _____
--	---

4

Rarolla o be o khalare karabo ka tlase.

Solve and then colour the answer below.

8 + 2 + 2 =  12 	10 + 5 + 5 =  20 
20 - 2 - 3 = _____ 	20 - 4 - 5 = _____ 
12 - 2 - 1 = _____ 	8 + 2 + 6 = _____ 
6 + 4 + 8 = _____ 	20 - 5 - 5 = _____ 
7 + 3 + 4 = _____ 	5 + 5 + 3 = _____ 
7 + 3 + 7 = _____ 	5 + 5 + 9 = _____ 
















Dipalo tšeo di tlhakahlakantšwego

Mixed operations

MMETSE
WA HLOGO
MENTAL MATHS

1, 2, 3 BONTŠHA -
GO HLAkantšHA
1, 2, 3 SHOW - ADDITION

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

LETLAKALATŠHOMELO
WORKSHEET



1 Rarolla marara.

Solve the problems.



$$9 + 4 - 2 = \underline{\quad}$$

$$8 + 6 - 3 = \underline{\quad}$$

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

$$8 + 9 - 5 = \underline{\quad}$$

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

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

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

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

$$12 - 2 - 2 = \underline{\quad}$$

$$11 - 3 - 3 = \underline{\quad}$$

$$12 - 4 - 4 = \underline{\quad}$$

$$11 - 5 - 5 = \underline{\quad}$$

2 Šomiša diforeimi tša lesome go hlakantšha le go ntšha.

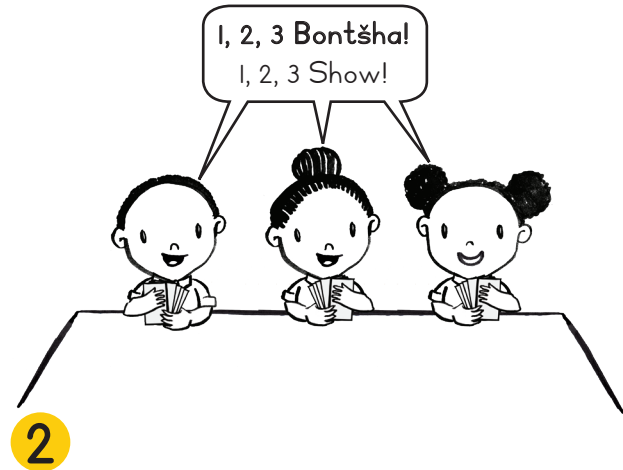
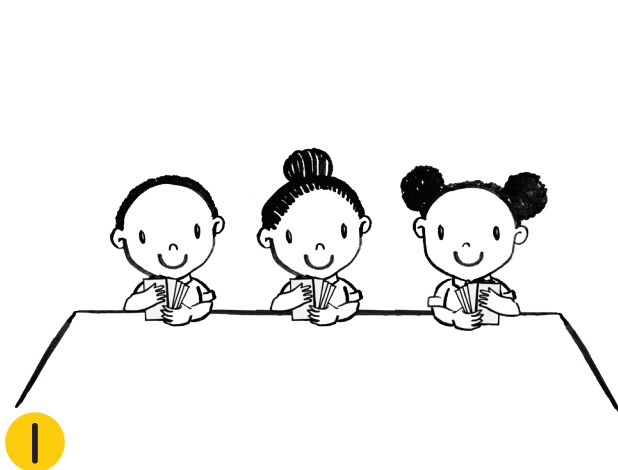
Use the ten frames to add and subtract.

$12 + 4 - 5 = \underline{\quad}$	
$17 + 2 - 6 = \underline{\quad}$	
$16 + 1 - 6 = \underline{\quad}$	
$11 + 7 - 4 = \underline{\quad}$	
$13 + 4 - 7 = \underline{\quad}$	
$10 + 1 - 1 = \underline{\quad}$	
$14 + 5 - 8 = \underline{\quad}$	

Papadi: 1, 2, 3 Bontšha – go hlakantšha
 Game: 1, 2, 3 Show – addition

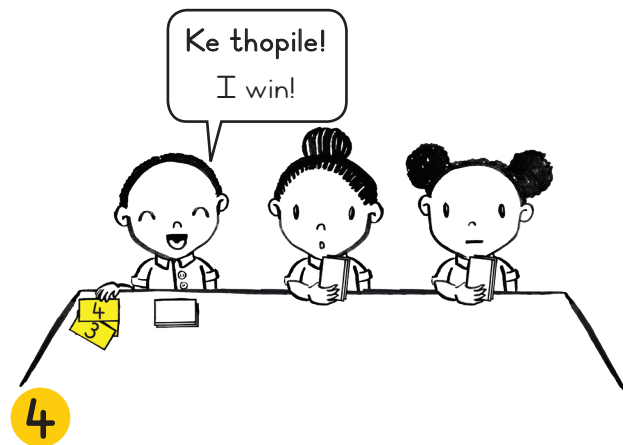
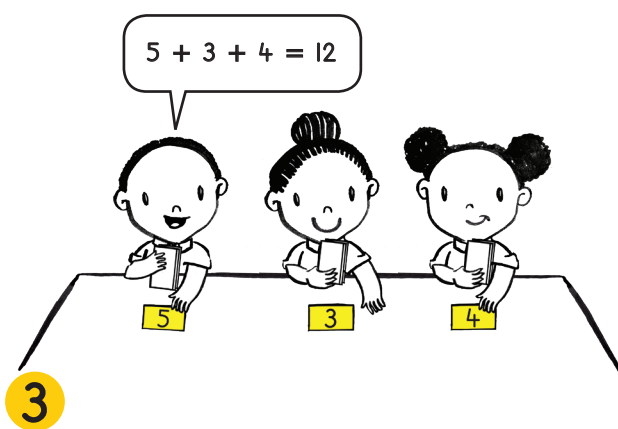
Ralokang ka dikarata 0–5. Hlakahlakantšhang dikarata tša lena tša palo le di ribege godimo ga teseke.

Play with the cards 0–5. Shuffle your number cards and put them face down on the desk.



Motho wa mathomo wa go hlakantšha dipalo a ba a bolela karabo o tšea dikarata.

The first person to add the numbers and call out the answer keeps the cards.



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

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



1 Rarolla marara.

Solve these problems.



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

$13 - 3 - 4 = \underline{\quad}$

$7 + 3 + 8 = \underline{\quad}$

$16 - 6 - 5 = \underline{\quad}$

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

$19 - 9 - 2 = \underline{\quad}$

$8 + 2 + 9 = \underline{\quad}$

$17 - 7 - 6 = \underline{\quad}$

$9 + 1 + 6 = \underline{\quad}$

$15 - 5 - 3 = \underline{\quad}$

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

$18 - 8 - 7 = \underline{\quad}$

2 Rarolla mararantšu o šomiša diforeimi tša lesome.

Solve these word problems using the ten frames.

Mma o tšhela diapole tše 8 tše dikhubedu le diapole tše 6 tše ditalamorogo ka gare ga sebjana. Na o tšhetše diapole tše kae ka moka ge di hlakana ka gare ga sebjana?

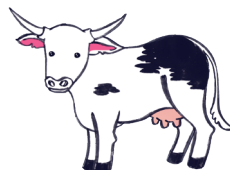
Mother puts 8 red apples and 6 green apples in a bowl. How many apples does she put in the bowl altogether?



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

Go na le dikgomo tše 18 ka polaseng. Go lahlega dikgomo tše 5. Na go šetše dikgomo tše kae?

There are 18 cows on the farm. 5 of these cows get lost. How many cows are left?



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

Morutiši o na le diphentshele tše 20 tše diswa ka laing ya gagwe. Diphentshele tše 12 di šomišitšwe.

Teacher has 20 new pencils in her drawer. 12 pencils are used. How many pencils are still new?



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

3 Balela.

Calculate.



$= 13$



$= 14$



$= 5$



$= 6$



$= 7$



$$\text{Moon} + \text{Leaf} + \text{Star} = 6 + 5 + 7 = 18$$

$$\text{Star} + \text{Star} + \text{Moon} = 7 + 7 + 6 = 20$$

$$\text{Heart} - \text{Leaf} - \text{Star} = 13 - 5 - 7 = 1$$

$$\text{Heart} - \text{Star} - \text{Moon} = 13 - 7 - 6 = 0$$

$$\text{Flower} - \text{Moon} - \text{Star} = 14 - 6 - 7 = 1$$

$$\text{Flower} - \text{Star} - \text{Leaf} = 14 - 7 - 5 = 2$$



4 Rarolla marara.

Solve the problems.

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

$11 + 3 - 2 = 12$

$14 + 2 - 5 = 11$

$12 - 5 + 2 = 9$

$13 + 6 - 5 = 14$

$16 + 2 - 6 = 12$

$11 - 7 + 4 = 8$

$16 - 4 + 2 = 14$

$19 - 7 + 2 = 14$

$14 - 8 + 3 = 9$

$15 - 3 + 4 = 16$

$18 - 6 + 7 = 19$

$13 - 6 + 2 = 9$

$4 + 5 + 1 = 10$

$7 + 3 - 5 = 5$

$20 - 7 - 3 = 10$

$5 + 5 + 2 = 12$

$6 + 4 - 6 = 4$

$20 - 4 - 5 = 11$

Go bapetša bolumo le mothamo

Comparing volume and capacity

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA 10 -
DIKARATA TŠA MARONTHO
BONDS OF 10 - DOT CARDS

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

1 Thala sediko go setšhelo seo se ka swarago mothamo ka bontši.

Circle the container that can hold the **most**.



2 Thala sediko go wo montši go feta goba wo monnyane go.

Circle more than or less than.

Lehwana le swara mothamo The spoon holds 	wo montši go feta more than wo monnyane go less than	komiki. the cup. 
--	--	---

Senwelo se swara mothamo The jug holds 	wo montši go feta more than wo monnyane go less than	galase. the glass. 
--	--	---

Galase e swara mothamo The glass holds 	wo montši go feta more than wo monnyane go less than	komiki ya teye. the teacup. 
--	--	--

Senwelo se swara mothamo The jug holds 	wo montši go feta more than wo monnyane go less than	pakete ye talaleratadima. the blue bucket. 
--	--	---

Lepotlelo le swara mothamo The bottle holds 	wo montši go feta more than wo monnyane go less than	lehwana. the spoon. 
---	--	--

Pakete ye khubedu e swara mothamo The red bucket holds 	wo montši go feta more than wo monnyane go less than	komiki. the cup. 
--	--	---

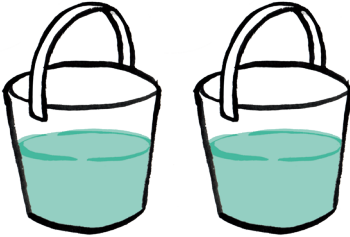
MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA 10 -
DIKARATA TŠA MARONTHO
BONDS OF 10 - DOT CARDS

PAPADI
GAME

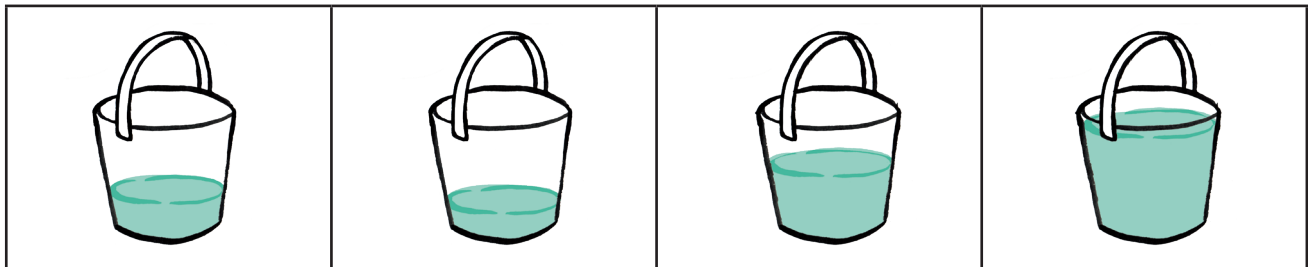
KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

e tletše full	ga e na selo empty	palo ya go swana the same amount
		

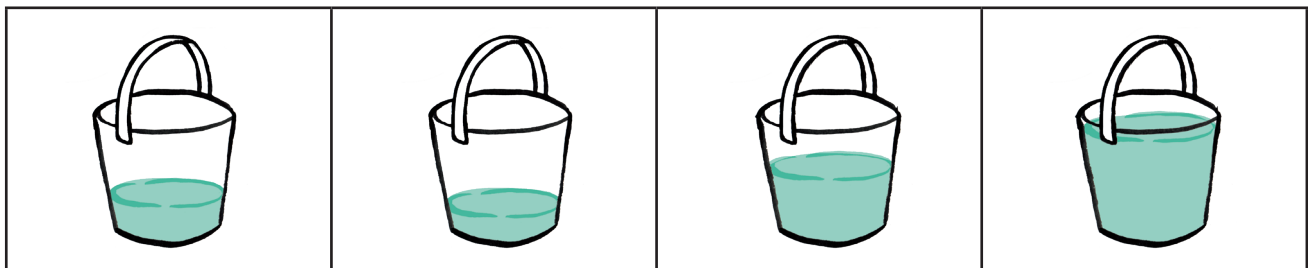
1 Thala sediko go pakete yeo e nago le meetse a mantši.

Circle the bucket with the **most** water.



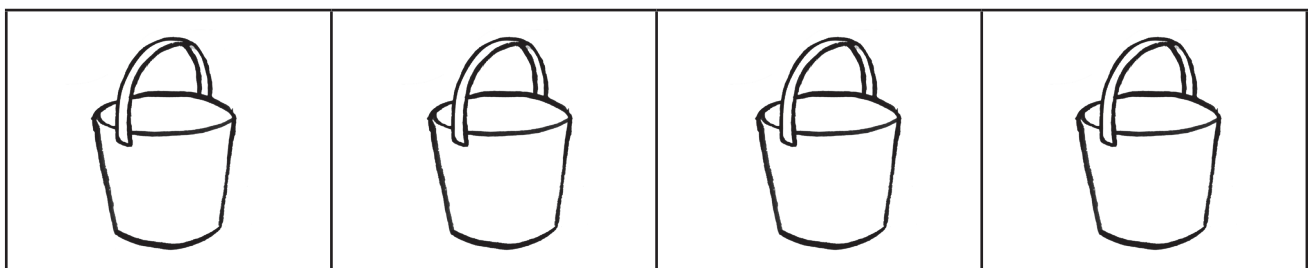
2 Thala sediko go pakete yeo e nago le meetse a mannyane.

Circle the bucket with the **least** water.



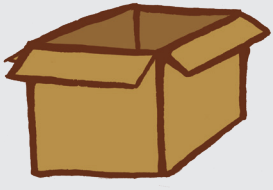
3 Thala bokaalo bja go lekana bja meetse ka paketeng ye nngwe le ye nngwe.

Draw the **same** amount of water in each bucket.



4 Khalara mantšu a maleba a go nyalelana le seswantšho.

Colour the correct word to match the picture.

	tletše full	ga go na selo empty 
	tletše full	ga go na selo empty
	tletše full	ga go na selo empty
	tletše full	ga go na selo empty
	tletše full	ga go na selo empty
	tletše full	ga go na selo empty
	tletše full	ga go na selo empty

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA 10 -
DIKARATA TŠA MARONTHO
BONDS OF 10 - DOT CARDS

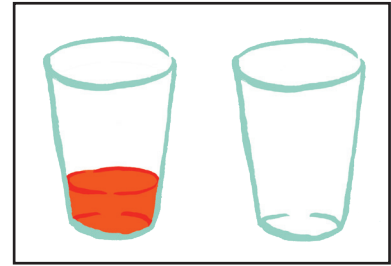
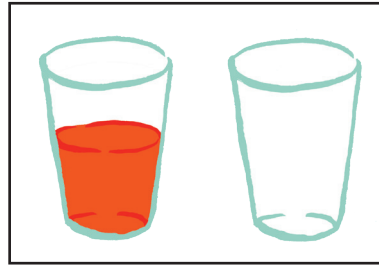
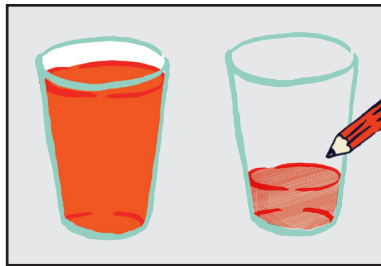
PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

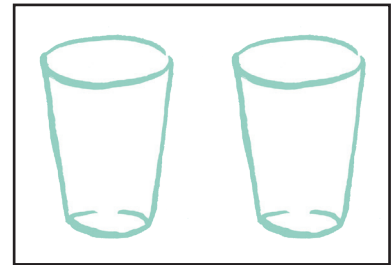
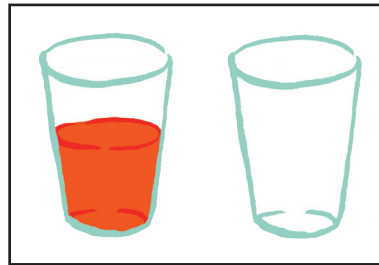
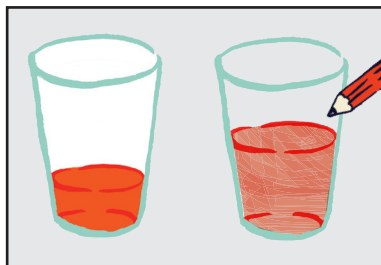
- 1 Khalara galase ya bobedi gore e be le mothamo wo monnyane go galase ya mathomo.

Colour in the second glass so that it has **less than** the first glass.



- 2 Khalara galase ya bobedi gore e be le mothamo wo montši go feta galase ya mathomo.

Colour in the second glass so that it has **more than** the first glass.



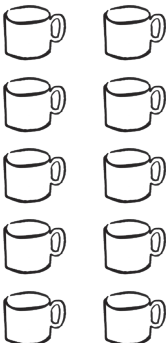
- 3 Swaya mantšu a maleba go hlaloša diswantšho.

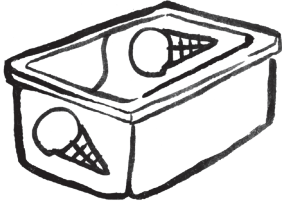
Tick the correct word to describe the pictures.

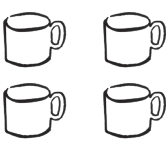
e tletše full		e tletše full		e tletše full	
ga e na selo empty		ga e na selo empty		ga e na selo empty	
e šaletše go tlala half full		e šaletše go tlala half full		e šaletše go tlala half full	

4 Lebelela diswantšho o be o arabe dipotšišo.

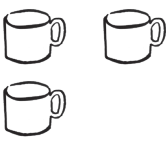
Look at the pictures and answer the questions.

  	Pakete e swara dikomiki tše nnyane tše ____. The bucket holds ____ small cups.
---	--

  	Faki ya aesekehirimi e swara dikomiki tše nnyane tše ____. The ice cream tub holds ____ small cups.
---	---

  	Lefiso le swara digalase tše nnyane tše ____. The jar holds ____ small cups.
---	--

  	Galase ye kgolo e swara digalase tše nnyane tše ____. The large glass holds ____ small cups.
---	--

  	Lepotlelo le swara digalase tše nnyane tše ____. The bottle holds ____ small cups.
---	--

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA 10 -
DIKARATA TŠA MARONTHO
BONDS OF 10 - DOT CARDS

PAPADI
GAME

KGODIŠO YA KGOPOLO
CONCEPT DEVELOPMENT

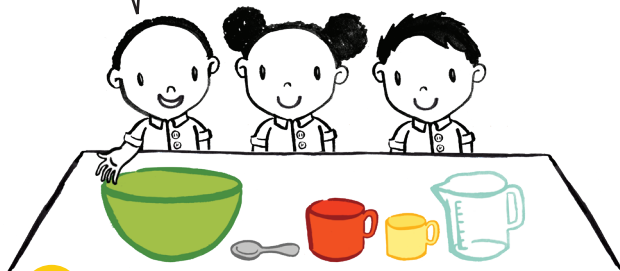
LETLAKALATŠHOMELO
WORKSHEET

Papadi: Ke sefe setšhelo seo se swarago mothamo wo montši?

Game: Which container holds more?

Tswalela mahlo a gago ge ke bea dilo ka moka mothalong. Di phopholetše gomme o kgethe seo se swarago mothamo ka bontši.

Close your eyes while I put all the things in a row. Feel them and choose the one that holds the most.



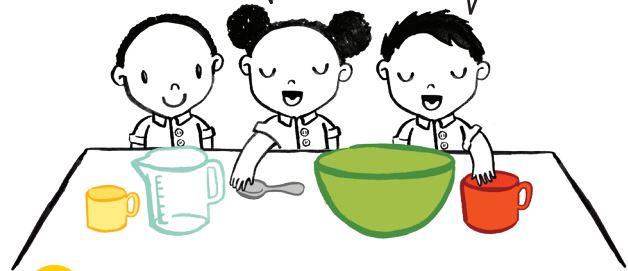
1

Lehwana le swara mothamo wo monnyane go komiki.

The spoon holds less than the cup.

Komiki e swara wo montši go feta lehwana. Ke fentše.

The cup holds more than the spoon. I win.



2

Komiki e swara wo monnyane go senwelo.

The jug holds more than the cup. I win.

Senwelo se swara wo montši go feta komiki. Ke fentše.

The cup holds less than the jug.



3

Bjale a re kgetheng seo se swarago mothamo wo monnyane.

Now let's choose the one that holds less.



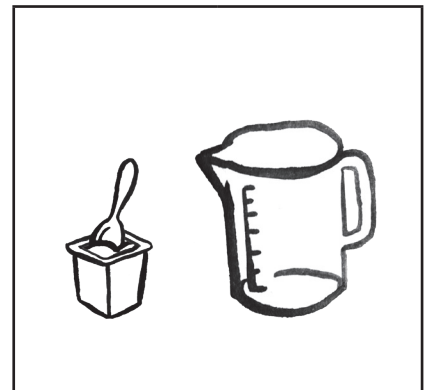
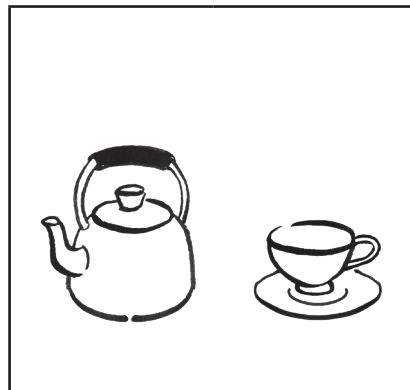
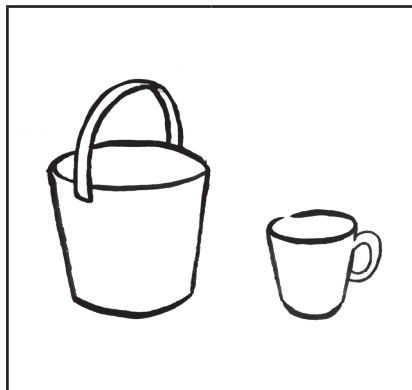
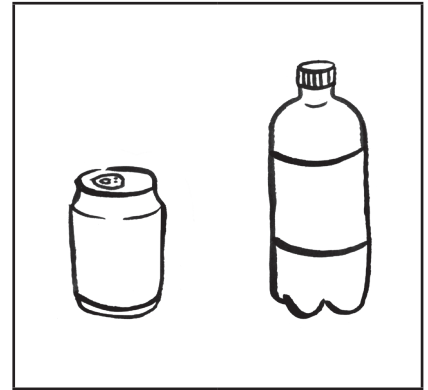
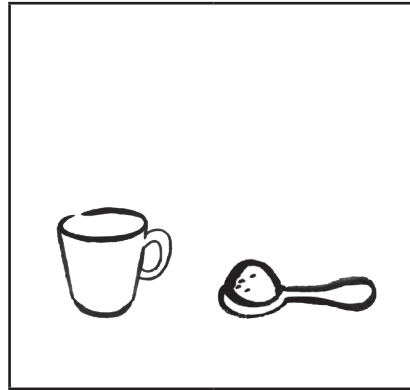
4

Barutwana ba tšhentšhana ka go kgetha dilo. Ba ka swara rekhoto ya go re ba dikologa ga kae go hwetša ntlha.

Learners take turns to choose items. They can keep a record of how many rounds they win a point.

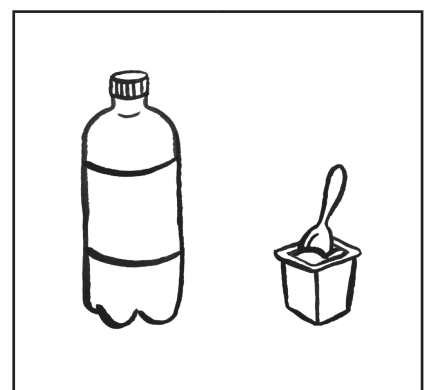
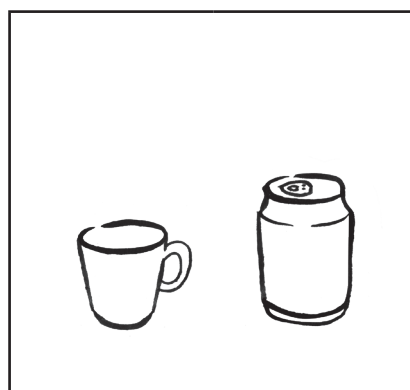
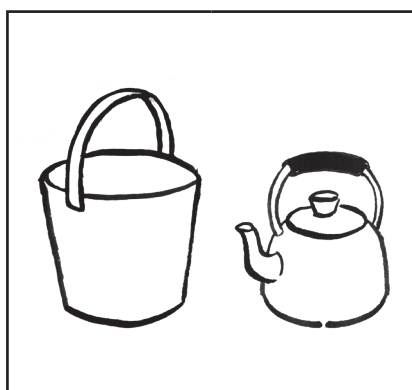
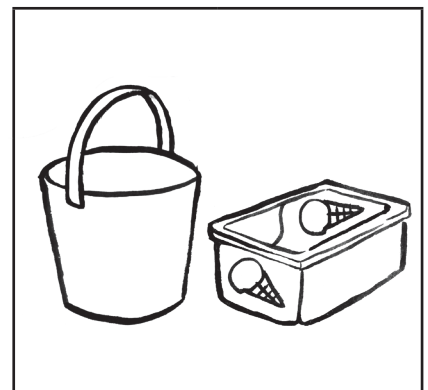
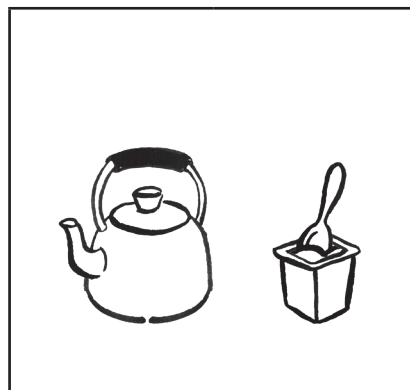
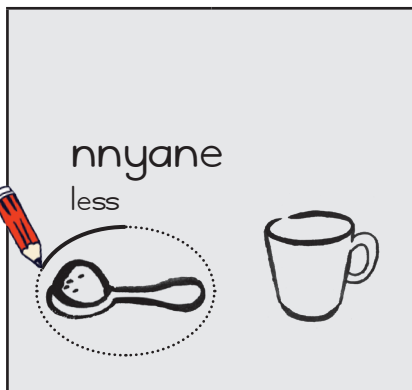
1 Thala sediko go setšhelo seo se swarago mothamo wo montši.

Circle the container that holds **more**.



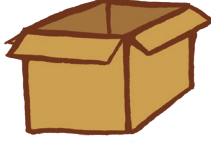
2 Thala sediko go setšhelo seo se swarago mothamo wo monnyane.

Circle the container that holds **less**.



1 Ngwala tletše goba ga go na selo.

Write full or empty.

	tletše full		ga go na selo empty
			
			
			

2 Khalara ditšhelo o laetše sa go tlala, seripa le sa go se be le selo.

Colour the containers to show them full, half full and empty.

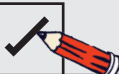
3 Khalara mantšu a maleba a go nyalelana le seswantšho.

Colour the correct word to match the picture.

	tletše full	ga go na selo empty		tletše full	ga go na selo empty
	tletše full	ga go na selo empty		tletše full	ga go na selo empty
	tletše full	ga go na selo empty		tletše full	ga go na selo empty
	tletše full	ga go na selo empty		tletše full	ga go na selo empty

4 Swaya selo seo se swarago mothamo wo montši.

Tick the thing that holds **more**.

 ☒  ☐	 ☐ ☐	 ☐ ☐
---	---	--

5 Swaya selo seo se swarago mothamo wo monnyane.

Tick the thing that holds **less**.

 ☒  ☐	 ☐ ☐	 ☐ ☐
---	---	--

Dipalo godimo ga mothalo palo

Numbers on a number line

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA 10 -
DIKARATA TŠA DIPALO
BONDS OF 10 - NUMBER CARDS

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

1

Fofela go palo yeo e lego ye:

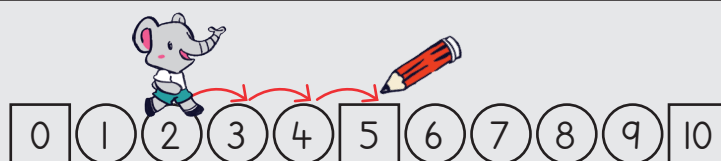
Jump to the number that is:

O mo kae
gabjale?

Where are you now?

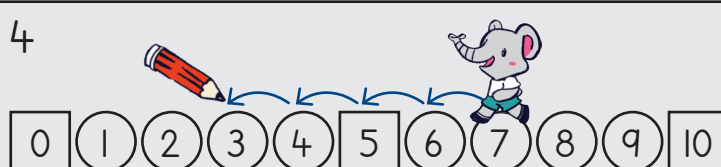
ntšhi ka 3

3 more than



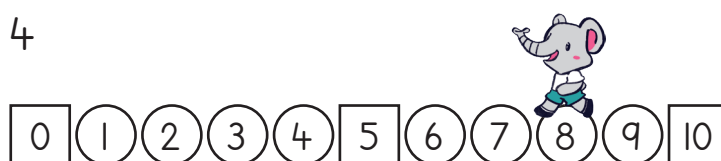
nnyane ka 4

4 less than



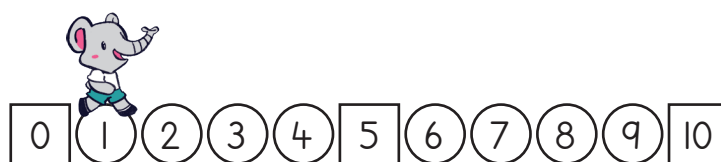
nnyane ka 4

4 less than



ntšhi ka 6

6 more than



2

Fofela pele le morago.

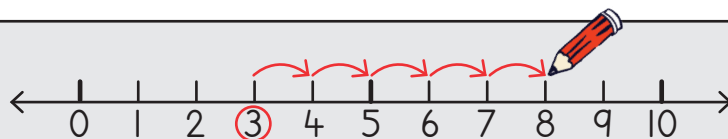
Jump forwards or backwards.

O mo kae
gabjale?

Where are you now?

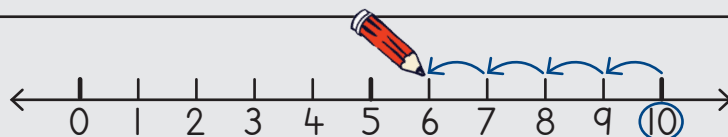
Pele 5

Forwards 5



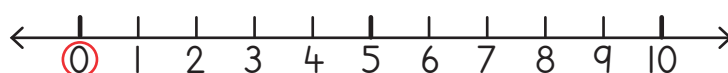
Morago 4

Backwards 4



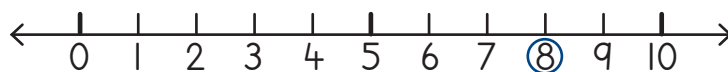
Pele 8

Forwards 8



Morago 7

Backwards 7



3 Tlatša dipalo tšeo di tlogetšwego.

Fill in the missing numbers.

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

4 Tlatša dipalo tšeo di tlogetšwego.

Fill in the missing numbers.

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

5 Hlakantšha. Bontšha dikgato godimo ga mothaloapalo.

Add. Show the steps on the number line.

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

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA 10 -
DIKARATA TŠA DIPALO
BONDS OF 10 - NUMBER CARDS

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

I Hlakantšha.

Add.



Na o lemoga eng
ge o hlakantšha go 9?

What do you notice
when you add on to 9?

 $9 + 5 = \underline{\quad 14 \quad}$	 $9 + 5 = \underline{\quad 14 \quad}$
 $9 + 2 = \underline{\quad \quad}$	 $9 + 2 = \underline{\quad \quad}$
 $9 + 9 = \underline{\quad \quad}$	 $9 + 9 = \underline{\quad \quad}$
 $9 + 4 = \underline{\quad \quad}$	 $9 + 4 = \underline{\quad \quad}$
 $9 + 6 = \underline{\quad \quad}$	 $9 + 6 = \underline{\quad \quad}$
 $9 + 3 = \underline{\quad \quad}$	 $9 + 3 = \underline{\quad \quad}$
 $9 + 7 = \underline{\quad \quad}$	 $9 + 7 = \underline{\quad \quad}$

2 Na ke dikgwele tše kae tšeo di swanetšego go oketšwa go dira palo ya godimo?

How many balls must be added to make the top number?

3 Tlatša dipalo tšeo di tlogetšwego go rarolla marara a.

Fill in the missing numbers to solve these problems.

$$q + q = 18$$

$$q + 2 = 11$$

$$q + \underline{\quad} = 13$$

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

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

$$q + \underline{\quad} = 19$$

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

$$q + \underline{\quad} = 12$$

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

$$q + \underline{\quad} = 14$$

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

$$q + \underline{\quad} = 15$$

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

$$q + \underline{\quad} = 16$$

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

Go hlakantšha go 8 le go 7

Adding on to 8 and 7

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA 10 -
DIKARATA TŠA DIPALO
BONDS OF 10 - NUMBER CARDS

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

1 Hlakantšha.

Add.



Na o lemoga eng
ge o hlakantšha go 8?

What do you notice
when you add on to 8?

 $8 + 5 = 13$	 $8 + 5 = 13$
 $8 + 4 = \underline{\quad}$	 $8 + 4 = \underline{\quad}$
 $8 + 6 = \underline{\quad}$	 $8 + 6 = \underline{\quad}$
 $8 + 3 = \underline{\quad}$	 $8 + 3 = \underline{\quad}$
 $8 + 7 = \underline{\quad}$	 $8 + 7 = \underline{\quad}$
 $8 + 9 = \underline{\quad}$	 $8 + 9 = \underline{\quad}$
 $8 + 8 = \underline{\quad}$	 $8 + 8 = \underline{\quad}$

2 Hlakantšha.

Add.



Na o lemoga eng
ge o hlakantšha go 7?

What do you notice
when you add on to 7?

 $7 + 6 = \underline{13}$	 $7 + 6 = \underline{13}$
 $7 + 9 = \underline{\quad}$	 $7 + 9 = \underline{\quad}$
 $7 + 4 = \underline{\quad}$	 $7 + 4 = \underline{\quad}$
 $7 + 8 = \underline{\quad}$	 $7 + 8 = \underline{\quad}$
 $7 + 5 = \underline{\quad}$	 $7 + 5 = \underline{\quad}$
 $7 + 3 = \underline{\quad}$	 $7 + 3 = \underline{\quad}$
 $7 + 7 = \underline{\quad}$	 $7 + 7 = \underline{\quad}$

Dipaterone tša go hlakantšha

Addition patterns

MMETSE
WA HLOGO
MENTAL MATHS

DITLEMAGANO TŠA 10 -
DIKARATA TŠA DIPALO
BONDS OF 10 - NUMBER CARDS

PAPADI
GAME

KGODIŠO YA KGOPOLO
CONCEPT DEVELOPMENT

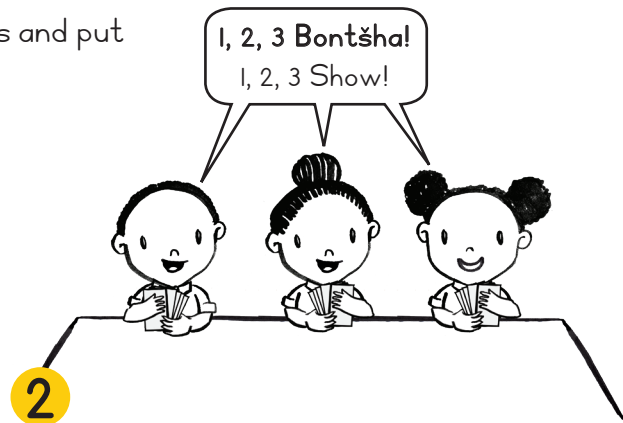
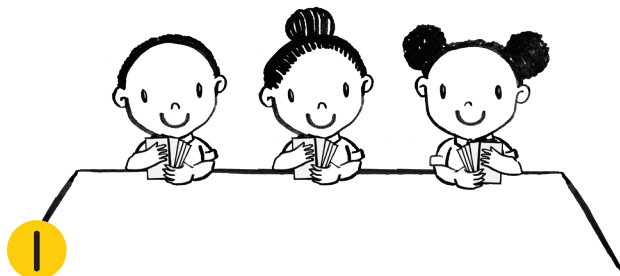
LETAKALATŠHOMELO
WORKSHEET

Papadi: 1, 2, 3 Bontšha - go hlakantšha

Game: 1, 2, 3 Show - addition

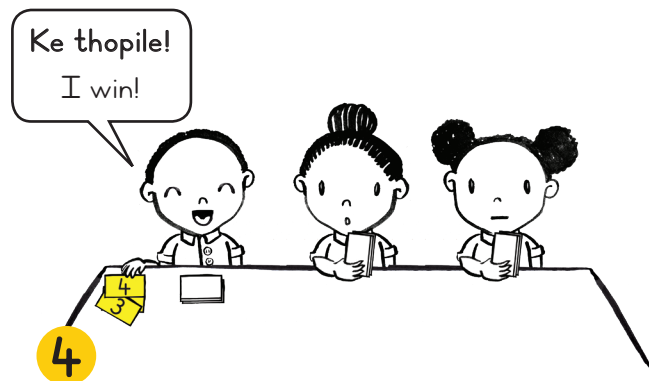
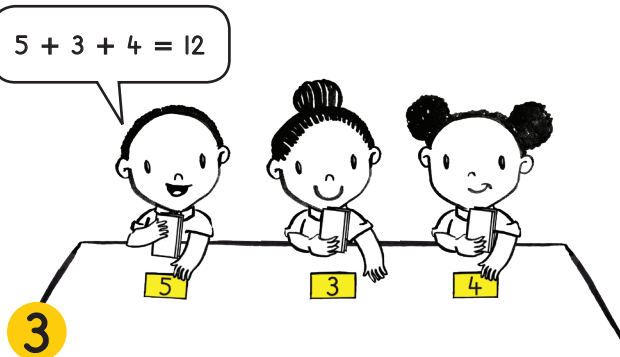
Raloka ka dikarata tša dipalo 0–5. Šofa dikarata tša gago gomme o di ribege godimo ga teseke.

Play with the number cards 0–5. Shuffle your cards and put them face down on the desk.

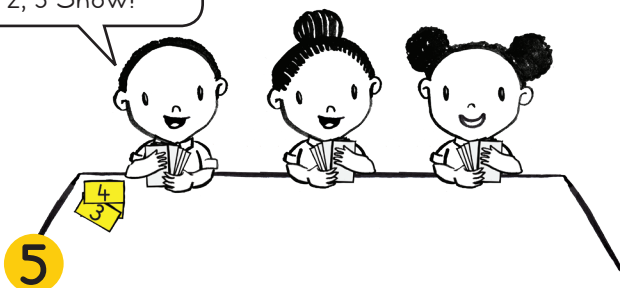


Motho wa mathomo wa go hlakantšha dipalo a ba a bolela karabo o tšea dikarata.

The first person to add the numbers and call out the answer keeps the cards.



A re ralokeng gape.
1, 2, 3 Bontšha!
Let's play again.
1, 2, 3 Show!



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

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

1 Kopantšha dipalo tše 2 gore o hwetše karabo ka sekhutlong sa go la nngele.

Join 2 numbers to get the answer in the left corner.

14 	15
16 	12
13 	18

2 Rarolla o be o khalare karabo ka tlase.

Solve and then colour the answer below.

$7 + 4 = \underline{\quad}$			$6 + 6 = \underline{12}$		
$8 + 6 = \underline{\quad}$			$7 + 8 = \underline{\quad}$		
$9 + 8 = \underline{\quad}$			$9 + 9 = \underline{\quad}$		
$8 + 8 = \underline{\quad}$			$8 + \underline{\quad} = 17$		
$7 + 6 = \underline{\quad}$			$5 + \underline{\quad} = 13$		
$3 + 7 = \underline{\quad}$			$7 + \underline{\quad} = 14$		

7	8	9	10	11	12	13	14	15	16	17	18
---	---	---	----	----	----	----	----	----	----	----	----

1 Hlakantšha o šomiša foreimi ya lesome le mothalopalo.

Add using the ten frame and number line.

$8 + 7 = 15$

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

$9 + 8 = \underline{\quad}$

2 Kopantšha dipalo tše 2 gore o hwetše karabo ka sekhutlong sa go la ngele.

Join 2 numbers to get the answer in the left corner.

12

17

15

16

3 Hlakantšha.

Add.

$4 + 8 = 12$

$6 + 10 = \underline{\quad}$

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

$2 + 14 = \underline{\quad}$

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

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

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

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

$6 + 7 = \underline{\quad}$

4 Hwetša palo o be o hlakantšhe.

Find the number and add.



= 9



= 8



= 7



= 6



= 5



+



9

+

7

=

16



+



+

=



+



+



+

+

=



+



+



+

+

=

Hlakantšho ya go tshela ka godimo ga 10

Addition bridging 10

MMETSE
WA HLOGO
MENTAL MATHS

1, 2, 3 BONTŠHA -
GO HLAkantŠHA
1, 2, 3 SHOW - ADDITION

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

1 Dira lesome go rarolla.

Make a ten to solve.

$9 + 5 = 14$	$8 + 6 = \underline{\quad}$
$6 + 6 = \underline{\quad}$	$7 + 8 = \underline{\quad}$
$5 + 8 = \underline{\quad}$	$8 + 9 = \underline{\quad}$
$7 + 6 = \underline{\quad}$	$7 + 7 = \underline{\quad}$
$8 + 5 = \underline{\quad}$	$3 + 8 = \underline{\quad}$
$6 + 9 = \underline{\quad}$	$4 + 7 = \underline{\quad}$
$8 + 8 = \underline{\quad}$	$4 + 9 = \underline{\quad}$

2 Na ke dikgwele tše kae tšeo di swanetšego go oketšwa go dira palo ya godimo?

How many balls must be added to make the top number?

Hlakantšho ya go tshelela ka godimo ga 10

Addition bridging 10

MMETSE
WA HLOGO
MENTAL MATHS

1, 2, 3 BONTŠHA -
GO HLAkantšHA
1, 2, 3 SHOW - ADDITION

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

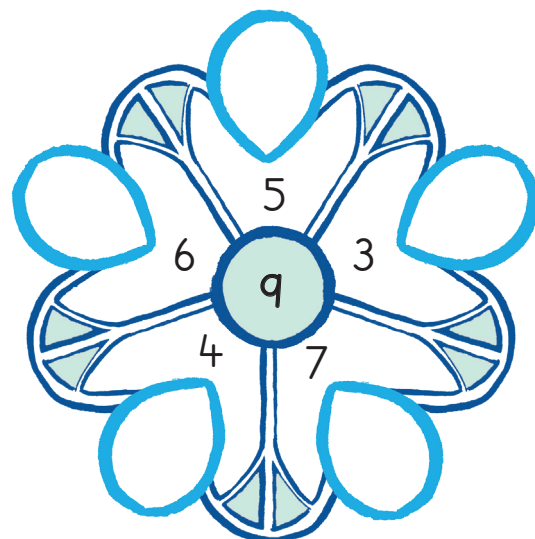
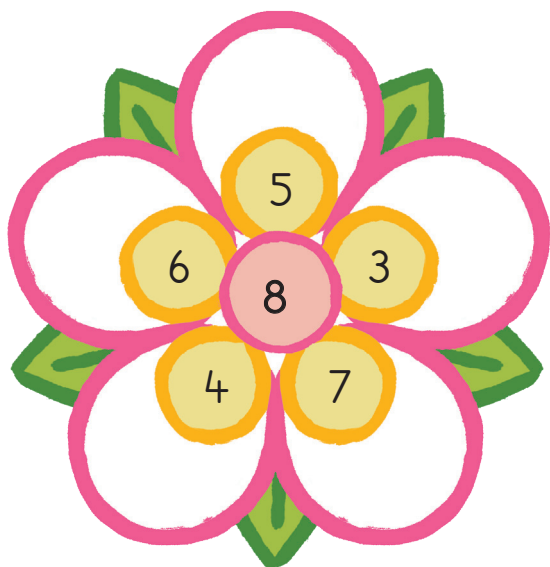
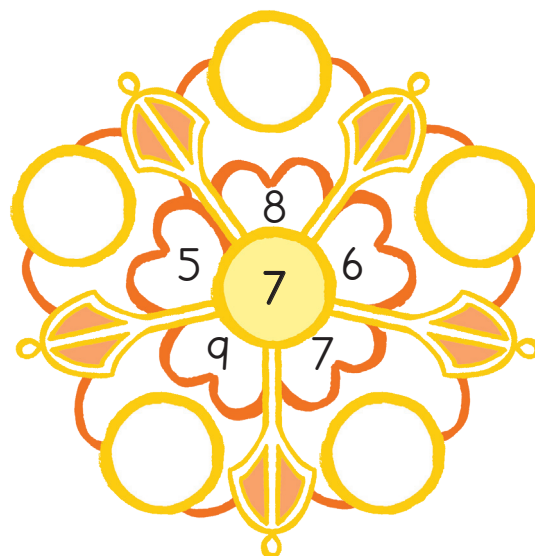
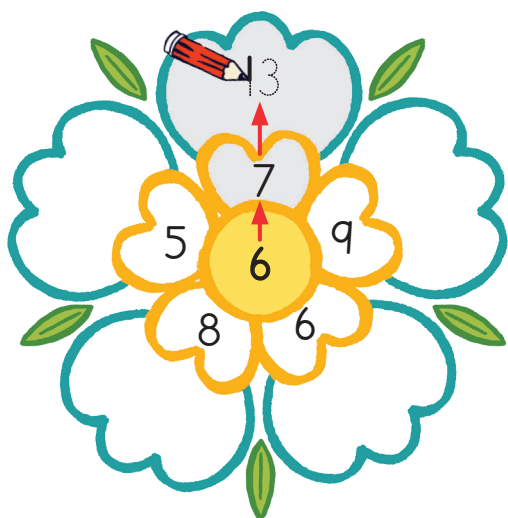
MATLAKALATŠHOMELO
WORKSHEETS

- 1 Šomiša mothalo palo go hwetša dipalo tšeo di tlogetšwego.
Use the number lines to find the missing numbers.

$9 + \underline{\quad} + \underline{3} = 13$		$9 + \underline{\quad} = 13$
$7 + \underline{3} + \underline{4} = 14$		$7 + \underline{\quad} = 14$
$8 + \underline{\quad} + \underline{\quad} = 15$		$8 + \underline{\quad} = 15$
$9 + \underline{\quad} + \underline{\quad} = 18$		$9 + \underline{\quad} = 18$
$8 + \underline{\quad} + \underline{\quad} = 14$		$8 + \underline{\quad} = 14$
$7 + \underline{\quad} + \underline{\quad} = 15$		$7 + \underline{\quad} = 15$

2 Hlakantšha.

Add.



3 Hlakantšha.

Add.

$$6 + 5 = \underline{\quad}$$

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

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

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

$$8 + 7 = \underline{\quad}$$

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

$$7 + 6 = \underline{\quad}$$

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

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

Mararantšu a go hlakantšha

Addition word problems

MMETSE
WA HLOGO
MENTAL MATHS

1, 2, 3 BONTŠHA -
GO HLAkantšHA
1, 2, 3 SHOW - ADDITION

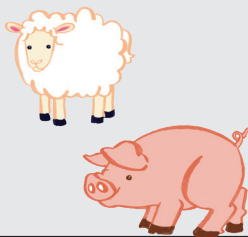
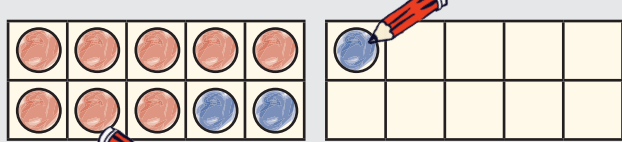
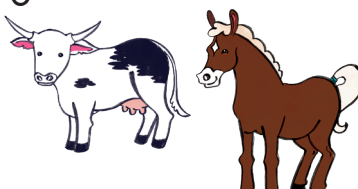
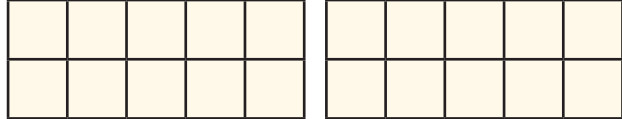
PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

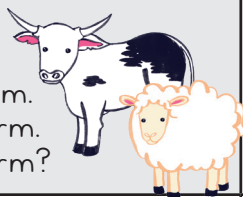
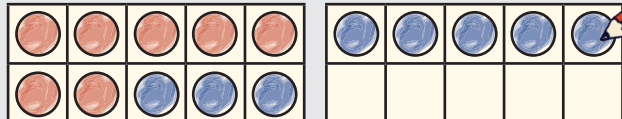
1 Na ke tše kae ge di hlakana ka moka? Rarolla marara a o šomiša diforeimi tša sehlopha sa lesome.

How many altogether? Solve these problems using the ten frames.

dinku tše 3 3 sheep dikolobe tše 8 8 pigs 	  $\underline{8} + \underline{3} = \underline{\quad}$
dikgomo tše 6 6 cows dipere tše 9 9 horses 	 $\underline{\quad} + \underline{\quad} = \underline{\quad}$
dikatse tše 7 7 cats dimpša tše 5 5 dogs 	 $\underline{\quad} + \underline{\quad} = \underline{\quad}$

2 Go na le dikgomo tše 7 ka polaseng. Go na le dinku tše 8 ka polaseng. Na go na le diphoofolo tše kae ka polaseng?

There are 7 cows on the farm.
There are 8 sheep on the farm.
How many animals on the farm?

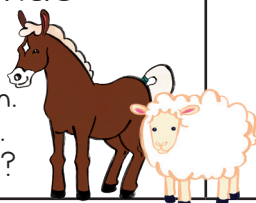
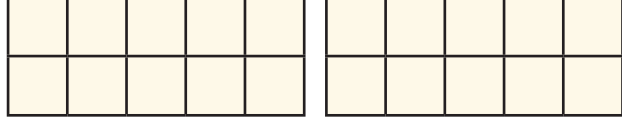





$$\underline{7} + \underline{8} = \underline{15}$$

Go na le dipere tše 4 ka polaseng. Go na le dinku tše 7 ka polaseng. Na go na le diphoofolo tše kae ka polaseng?

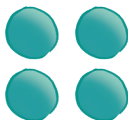
There are 4 horses on the farm.
There are 7 sheep on the farm.
How many animals on the farm?

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

3 Hlakantšha go palo ya godimo ga lepokisi.

Add to the number in the box.

 +   = <u>12</u>	 +  = ____
 +  = ____	 +  = ____
 +  = ____	 +  = ____

4 Hwetša dipalo o be o hlakantšhe.

Find the numbers and add.

 = 9	 = 8	 = 7	 = 6	 = 5	 = 4
---	---	---	--	---	---

 +  +   <u>9</u> + <u>4</u> + <u>4</u> = <u>17</u>	 +  +  ____ + ____ + ____ = ____
 +  +  ____ + ____ + ____ = ____	 +  +  ____ + ____ + ____ = ____
 +  +  ____ + ____ + ____ = ____	 +  +  ____ + ____ + ____ = ____

Dikanegelo tša go hlakantšha

Addition stories

MMETSE
WA HLOGO
MENTAL MATHS

1, 2, 3 BONTŠHA -
GO HLAkantšHA
1, 2, 3 SHOW - ADDITION

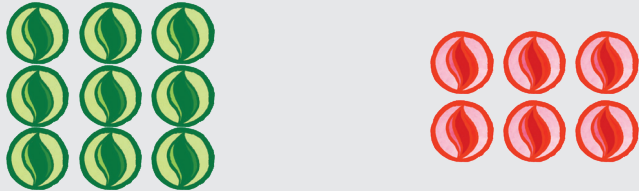
PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

LETLAKALATŠHOMELO
WORKSHEET

I Anegele modirišane wa gago kanegelo ya go hlakantšha ka seswantšho morago ga fao o ngwale lefokopalo.

Tell your partner an addition story about the picture and then write the number sentence.

	Lefokopalo Number sentence
	 <u>9</u> + <u>6</u> = <u>15</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>

Papadi: Go fedile!

Game: All over!

1

$4 + 5 = 9$

Ke dikološa karata ya 9.
I am turning over the 9 card.

2

$2 + 3 = 5$

Ke dikološa dikarata tša 1 le 4.
I am turning over the 1 and 4 cards.

3

4

$6 + 1 = 7$

Ka morago ga medikologo ye mmalwa:
After a few more turns:

Ke palelwa ke go dira 7. Sebaka sa ka sa go raloka se fedile.
I can't make 7. My game is over.

Tšwela pele ka tsela ye go fihlela o foša palomoka yeo o ka se e fihlelele go ka go šomiša kopantšho ya dikarata tšeo di šalago. Papadi e a fela ka morago ga fao.

Continue in this way until you throw a total which you can't make using a combination of the cards that remain. Then your game is over.

5

$6 + 6 = 12$

Ke palelwa ke go dira 12. Sebaka sa ka sa go raloka se fedile.
I can't make 12. My game is over.

6

Ke na le dikarata 3 (tharo). Ke a fentšwe.
I have 3 cards! I lose.

Ke na le dikarata tše 2 (pedi). Ke fentše.
I have 2 cards! I win!

Bala dikarata tša gago. Motho wa go šala ka dikarata tše di nnyane ke mofenyi.

Count your cards. The person with the least cards left is the winner.

- 1 Šomiša mothalo palo go hwetša dipalo tšeo di tlogetšwego.
Use the number lines to find the missing numbers.

$7 + \underline{3} + \underline{4} = 14$	$7 + \underline{7} = 14$
$9 + \underline{\quad} + \underline{\quad} = 15$	$9 + \underline{\quad} = 15$
$8 + \underline{\quad} + \underline{\quad} = 17$	$8 + \underline{\quad} = 17$
$7 + \underline{\quad} + \underline{\quad} = 12$	$7 + \underline{\quad} = 12$

- 2 Hlakantšha go palo ya ka gare ga lepokisi.

Add to the number in the box.

+ = <u> </u>	+ = <u> </u>
+ = <u> </u>	+ = <u> </u>

3 Rarolla marara o be o ngwale ditlhaka ka tlase go hwetša mantšu.

Solve the problems and write the letters below to find the words.

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

$9 + 10 = \underline{\quad}$ L

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

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

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

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

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

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

$10 + 10 = \underline{\quad}$ O

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

$6 + 7 = \underline{\quad}$ F

$8 + 9 = \underline{\quad}$ P

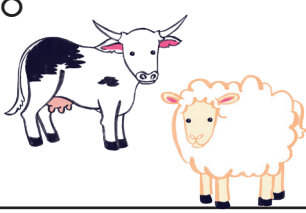
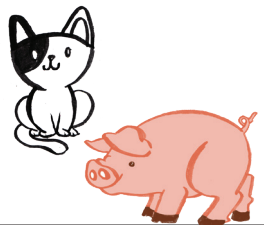
$7 + 8 = \underline{\quad}$ K

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

7	8	9	10	11	12	13	14	15	16	17	18	19	20

4 Na ke tše kae ge di hlakana ka moka? Rarolla marara a o šomiša diforeimi tša sehlopha sa lesome.

How many altogether? Solve these problems using the ten frames.

dikgomo tše 8 8 cows dinku tše 7 7 sheep 	<table border="1" style="width: 100%; height: 100px;"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> ___ + ___ = ___																				
dikatse tše 9 9 cats dikolobe tše 4 4 pigs 	<table border="1" style="width: 100%; height: 100px;"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> ___ + ___ = ___																				
Go na le dipere tše 6 ka polaseng. Go na le dinku tše 5 ka polaseng. Na go na le diphoofolo tše kae ka polaseng? There are 6 horses on the farm. There are 5 sheep on the farm. How many animals on the farm?	<table border="1" style="width: 100%; height: 100px;"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> ___ + ___ = ___																				

MMETSE
WA HLOGO
MENTAL MATHS

DIRA 10 O ŠOMIŠA
DIKARATA TŠA MARONTHO
MAKE 10 USING DOT CARDS

PAPADI
GAME

KGODIŠO YA KGOPOLO
CONCEPT DEVELOPMENT

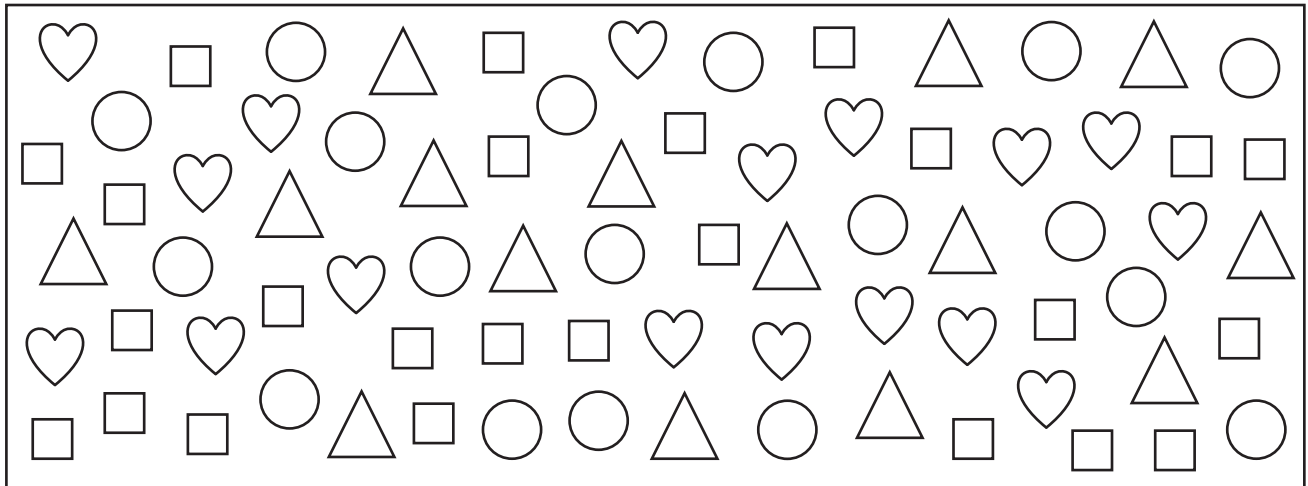
MATLAKALATŠHOMELO
WORKSHEETS

1 Hlaola dilo o be o di thale.

Sort the items and make a drawing.

2 Khalara o be o bale. Sebopego se sengwe le se sengwe se na le tše kae?

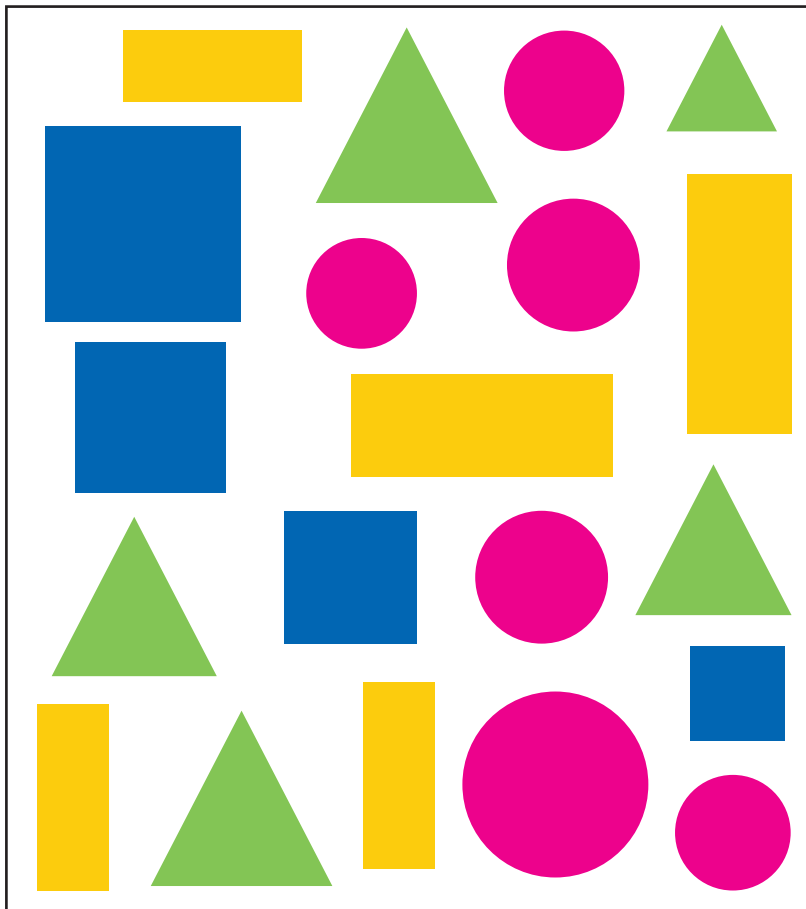
Colour and count. How many of each shape?



			
 15			

3 Lebelela seswantšho. Bala dibopego.

Look at the picture. Count the shapes.



Ke tše kae? How many?	
	
	
	
	

Go beakanya le go sekaseka data

Organising and analysing data

MMETSE
WA HLOGO
MENTAL MATHS

DIRA 10 O ŠOMIŠA
DIKARATA TŠA MARONTHO
MAKE 10 USING DOT CARDS

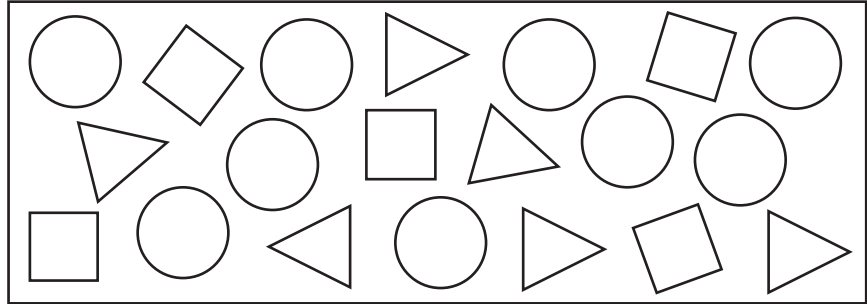
PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

1 Hlaola dibopego o be o di thale.

Sort the shapes and make a drawing.



dikhutlotharo triangles	didiko circles	dikwere squares

Na go na le dikhutlotharo tše kae tšeo di lego gona?

How many triangles are there?



Na go na le didiko tše kae tšeo di lego gona?

How many circles are there?

Na go na le dikwere tše kae tšeo di lego gona?

How many squares are there?

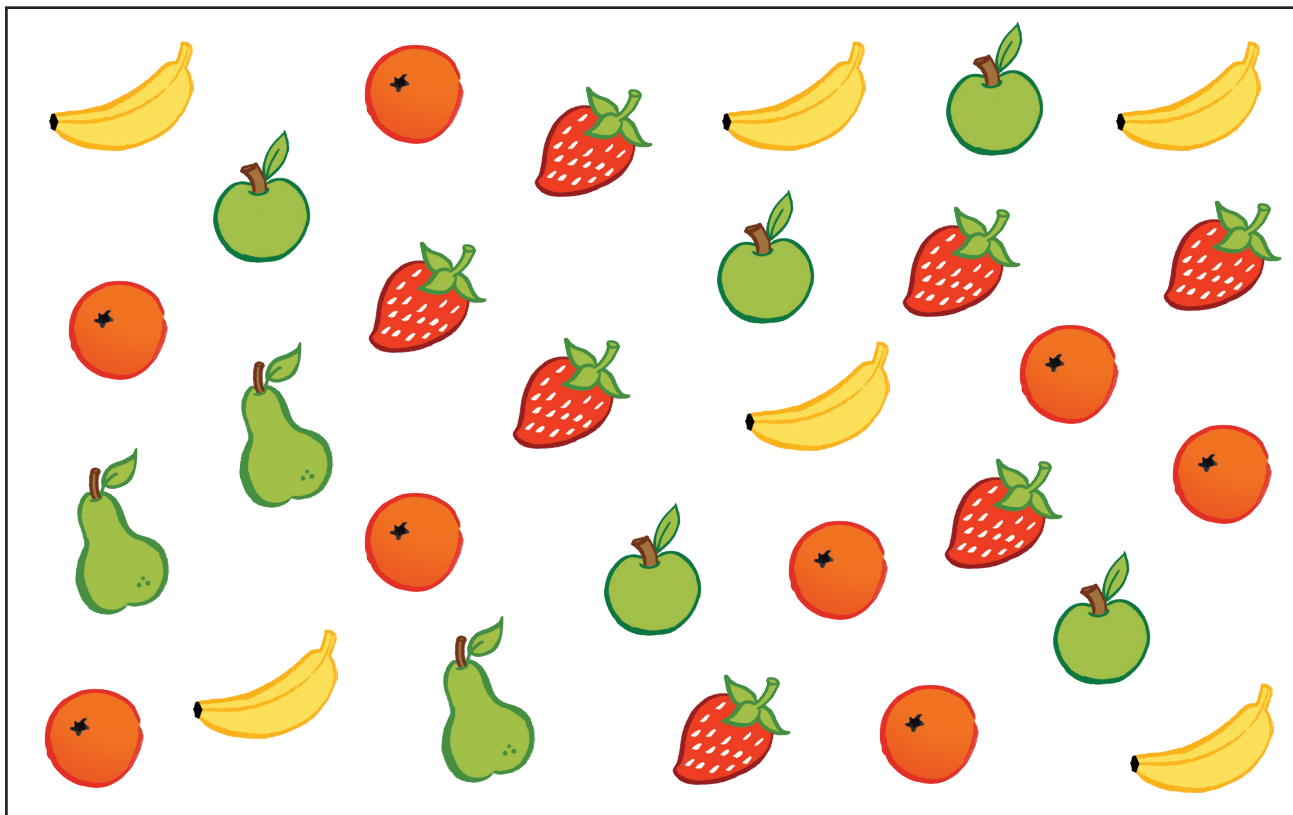
2 Lebelela seswantšho o be o arabe dipotšišo.

Look at the picture and answer the questions.

	Ke tše kae? How many?	
	dikwere squares	
	didiko circles	
	dikhutlotharo triangles	
	dikhutlonnethwi rectangles	

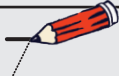
3 Hlaola dienywa o be o arabe dipotšišo tša ka tlase.

Sort the fruit and then answer the questions.



Seenywa sa rena sa go ratega

Our favourite fruit

Ke seenywa sefe sa go ratega kudu?

Which fruit is most popular?



Ke seenywa sefe sa go se ratega kudu?

Which fruit is least popular?

MMETSE
WA HLOGO
MENTAL MATHS

DIRA 10 O ŠOMIŠA
DIKARATA TŠA MARONTHO
MAKE 10 USING DOT CARDS

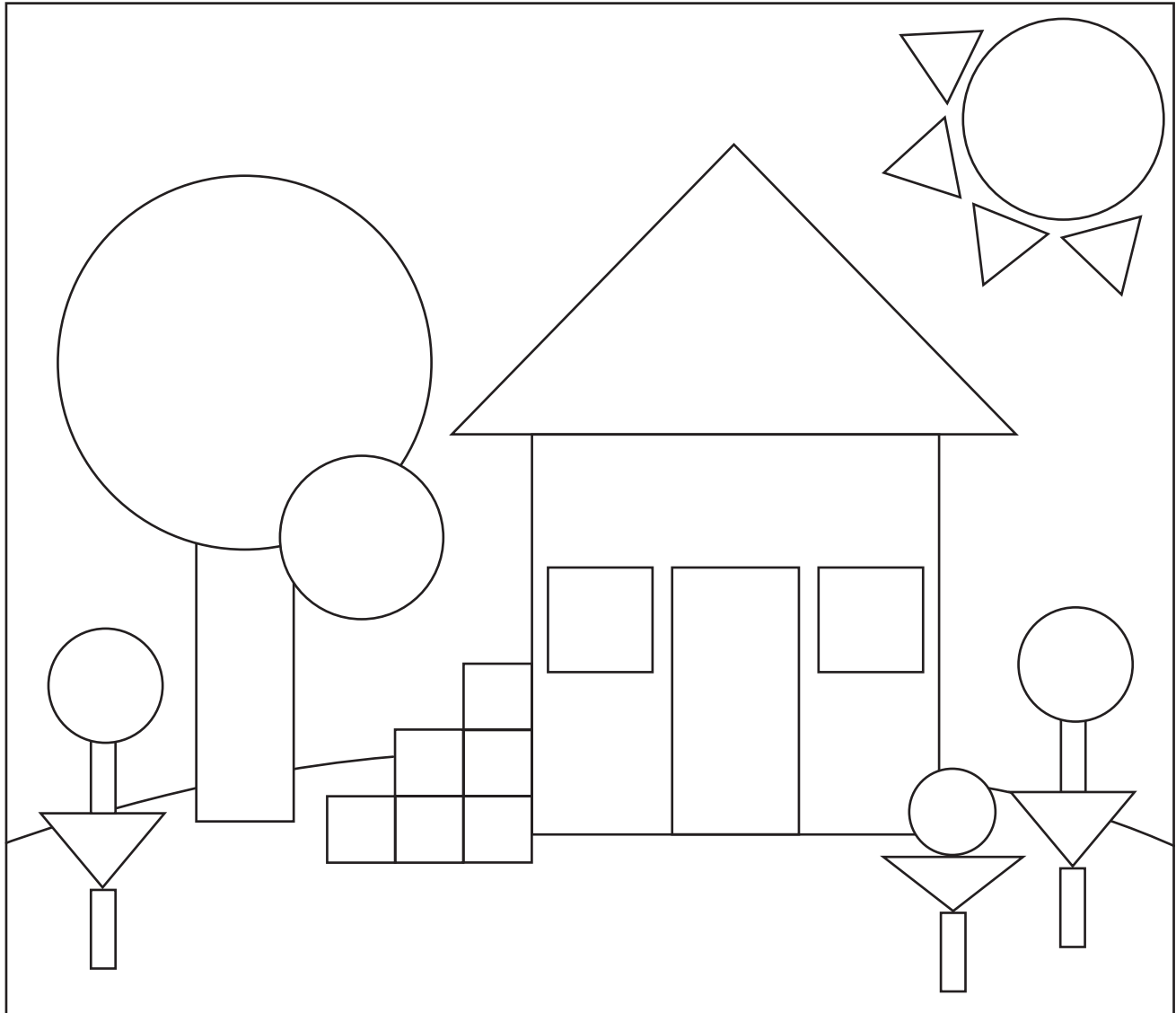
PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

I Lebelela seswantšho.

Look at the picture.



Bala gore ke tšhe kae?

Count how many.

			
 didiko circles	 dikwere squares	 dikhutlonnethwi rectangles	 dikhutlotharo triangles

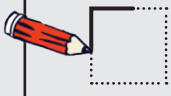
2 Feleletša kerafo ya diswantšho ya diboepgo go potšišo I.

Complete the pictograph for the shapes in question I.

Palo ya diboepgo Number of shapes				
10				
9				
8				
7				
6	○			
5	○			
4	○			
3	○			
2	○			
1				
	○ didiko circles	□ dikwere squares	▭ dikhutlonnethwi rectangles	△ dikhutlotharo triangles

3 Araba dipotšišo.

Answer the questions.

Ke seboepgo sefe seo se tšwelelago gantši? Which shape appears most often?	
Ke seboepgo sefe seo se nago le tše nnyane? Which shape appears least often?	
Ke sefe seboepgo seo se lego godimo ka tše 2 go feta ○? Which shape has 2 more than the ○?	
Ke ○ tše kae le △ ge di hlakana ka moka? How many ○ and △ are there altogether?	

MMETSE
WA HLOGO
MENTAL MATHS

DIRA 10 O ŠOMIŠA
DIKARATA TŠA MARONTHO
MAKE 10 USING DOT CARDS

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

1

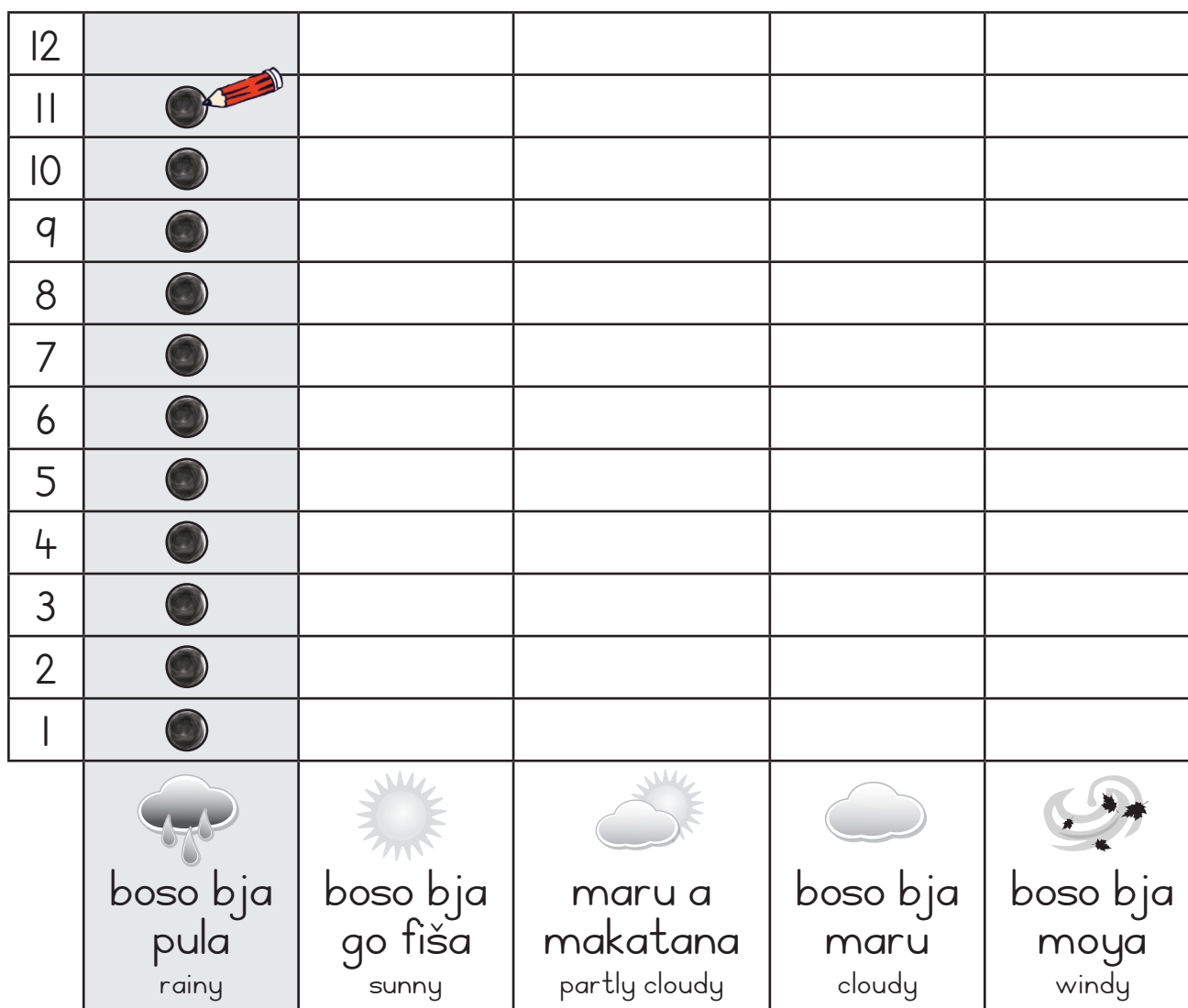
Pherekgong January						
La Sun	Mo Mon	La Tues	La Wed	La Thur	La Fri	Mo Sat
		1 	2 	3 	4 	5 
6 	7 	8 	9 	10 	11 	12 
13 	14 	15 	16 	17 	18 	19 
20 	21 	22 	23 	24 	25 	26 
27 	28 	29 	30 	31 		

Bala mehuta ya boso o be o ngwale gore ke ye mekae.

Count the weather types and write how many.

				
 boso bja pula rainy	 boso bja go fiša sunny	 maru a makatana partly cloudy	 boso bja maru cloudy	 boso bja moya windy

2 Feleletša kerafo ya diswantšho ya mehuta ya boso go potšišo I.
Complete the pictograph for the weather types in question I.



Araba dipotšišo tše.

Answer the questions.

Ke matšatši a makae a boso bja go fiša ka Pherekong? How many sunny days were there in January?	
Ke matšatši a makae a boso bja moya ka Pherekong? How many windy days were there in January?	
Matšatši a mantši ka Pherekong e be e le a boso bja _____. Most days in January were _____.	
Matšatši a boso bja go fiša e be e le a mantši ka a makae go feta matšatši a boso bja pula ka Pherekong? How many more sunny days than rainy days were there in January?	

I Boemafofaneng

At the airport



Lebelela seswantšho. Ke tše kae?

Look at the picture. How many?

		diampulanse ambulances
		dikoloi tša maphodisa police cars
		dipese buses
		dillori tša merwalo luggage trucks
		dihelikoptha helicopters
		difofane aeroplanes

- 2 Khalara ka gare ga dipoloko o šomiša data.
Colour in the blocks using the data.

Boemafofaneng At the airport						
10						
9						
8						
7						
6						
5						
4						
3						
2						
1						
						

- 3 Araba dipotšišo.
Answer the questions.

Ke dikoloi tše kae tša  tše o di bonago? How many cars can you see?	
Ke dife dikoloi tše o di tšwelelago gantši? Which vehicles appear most often?	
Ke dife dikoloi tše o di sa tšweleleago gantši? Which vehicles appear least often?	
Ke  le  tše kae ge di hlakana ka moka? How many and altogether?	
Ke  le  tše kae ge di hlakana ka moka? How many and altogether?	

Go ntšha ka go tshelela ka godimo ga 10

Subtraction bridging 10

MMETSE
WA HLOGO
MENTAL MATHS

FIZZ POP -
GO PEDIFATŠA
FIZZ POP - DOUBLING

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS



1 Ntšha.

Subtract.



$$11 - 1 - 2 = \underline{\quad}$$

$$11 - 1 - 4 = \underline{\quad}$$

$$11 - 1 - 6 = \underline{\quad}$$

$$11 - 1 - 5 = \underline{\quad}$$

$$11 - 1 - 7 = \underline{\quad}$$

$$12 - 2 - 3 = \underline{\quad}$$

$$12 - 2 - 2 = \underline{\quad}$$

$$12 - 2 - 4 = \underline{\quad}$$

$$12 - 2 - 6 = \underline{\quad}$$

$$12 - 2 - 5 = \underline{\quad}$$

2 Ntšha go 11.

Subtract from 11.

$11 - 2 = \underline{\quad}$	$11 - 4 = \underline{\quad}$
$11 - 3 = \underline{\quad}$	$11 - 5 = \underline{\quad}$
$11 - 7 = \underline{\quad}$	$11 - 6 = \underline{\quad}$
$11 - 8 = \underline{\quad}$	$11 - 9 = \underline{\quad}$



3 Ntšha.

Subtract.



$13 - 3 - 3 = 7$

$14 - 4 - 2 = \underline{\quad}$

$13 - 3 - 6 = \underline{\quad}$

$13 - 3 - 2 = \underline{\quad}$

$14 - 4 - 3 = \underline{\quad}$

$13 - 3 - 5 = \underline{\quad}$

$13 - 3 - 4 = \underline{\quad}$

$14 - 4 - 1 = \underline{\quad}$

$14 - 4 - 5 = \underline{\quad}$

4 Ntšha go 13.

Subtract from 13.

$13 - 4 = \underline{\quad}$	$13 - 6 = \underline{\quad}$
$13 - 5 = \underline{\quad}$	$13 - 7 = \underline{\quad}$
$13 - 9 = \underline{\quad}$	$13 - 8 = \underline{\quad}$

5 Ntšha go 14.

Subtract from 14.

$14 - 8 = \underline{\quad}$	$14 - 7 = \underline{\quad}$
$14 - 6 = \underline{\quad}$	$14 - 5 = \underline{\quad}$
$14 - 10 = \underline{\quad}$	$14 - 9 = \underline{\quad}$

Go ntšha 9

Subtracting 9

MMETSE
WA HLOGO
MENTAL MATHS

FIZZ POP -
GO PEDIFATŠA
FIZZ POP - DOUBLING

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

I Ntšha.
Subtract.



Na o lemoga eng
ge o ntšha 9?
What do you notice
when you subtract 9?

 $15 - 9 = \underline{\quad}$	 $15 - 9 = \underline{\quad}$
 $17 - 9 = \underline{\quad}$	 $17 - 9 = \underline{\quad}$
 $11 - 9 = \underline{\quad}$	 $11 - 9 = \underline{\quad}$
 $13 - 9 = \underline{\quad}$	 $13 - 9 = \underline{\quad}$
 $16 - 9 = \underline{\quad}$	 $16 - 9 = \underline{\quad}$
 $12 - 9 = \underline{\quad}$	 $12 - 9 = \underline{\quad}$
 $14 - 9 = \underline{\quad}$	 $14 - 9 = \underline{\quad}$

2 Rarolla o be o khalare karabo.

Solve and colour the answer.

$17 - 9 = \underline{8}$   $20 - 7 = \underline{13}$  

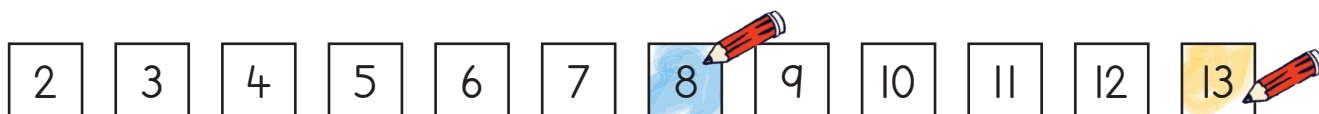
$18 - 9 = \underline{\quad}$  $14 - 9 = \underline{\quad}$ 

$20 - 10 = \underline{\quad}$  $12 - 6 = \underline{\quad}$ 

$16 - 9 = \underline{\quad}$  $20 - 9 = \underline{\quad}$ 

$11 - 8 = \underline{\quad}$  $12 - 8 = \underline{\quad}$ 

$20 - 8 = \underline{\quad}$  $11 - 9 = \underline{\quad}$ 



3 Ntšha.

Subtract.



$13 - 5 = \underline{8}$  $15 - 7 = \underline{\quad}$ $14 - 8 = \underline{\quad}$

$14 - 7 = \underline{\quad}$ $14 - 6 = \underline{\quad}$ $13 - 6 = \underline{\quad}$

$14 - 5 = \underline{\quad}$ $13 - 4 = \underline{\quad}$ $13 - 8 = \underline{\quad}$

$15 - 6 = \underline{\quad}$ $15 - 8 = \underline{\quad}$ $15 - 9 = \underline{\quad}$

$13 - 7 = \underline{\quad}$ $13 - 9 = \underline{\quad}$ $14 - 9 = \underline{\quad}$

4 Tlatša dipalo tšeo di tlogetšwego go rarolla marara a.

Fill in the missing numbers to solve these problems.

$12 - 9 = \underline{3}$ 	$15 - \underline{\quad} = 9$	$16 - 9 = \underline{\quad}$
$14 - \underline{5} = 9$ 	$11 - 9 = \underline{\quad}$	$18 - \underline{\quad} = 9$
$17 - 9 = \underline{\quad}$	$13 - \underline{\quad} = 9$	$12 - \underline{\quad} = 9$

Go ntšha 8 le 7

Subtracting 8 and 7

MMETSE
WA HLOGO
MENTAL MATHS

FIZZ POP -
GO PEDIFATŠA
FIZZ POP - DOUBLING

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

I Ntšha.
Subtract.



Na o lemoga eng
ge o ntšha 8?
What do you notice
when you subtract 8?

2 Ntšha.

Subtract.



Na o lemoga eng
ge o ntšha 7?
What do you notice
when you subtract 7?

 $15 - 7 = \underline{\quad}$	 $15 - 7 = \underline{\quad}$
 $17 - 7 = \underline{\quad}$	 $17 - 7 = \underline{\quad}$
 $11 - 7 = \underline{\quad}$	 $11 - 7 = \underline{\quad}$
 $13 - 7 = \underline{\quad}$	 $13 - 7 = \underline{\quad}$
 $16 - 7 = \underline{\quad}$	 $16 - 7 = \underline{\quad}$
 $12 - 7 = \underline{\quad}$	 $12 - 7 = \underline{\quad}$
 $14 - 7 = \underline{\quad}$	 $14 - 7 = \underline{\quad}$

Dipaterone tša go ntšha

Subtraction patterns

MMETSE
WA HLOGO
MENTAL MATHS

FIZZ POP -
GO PEDIFATŠA
FIZZ POP - DOUBLING

PAPADI
GAME

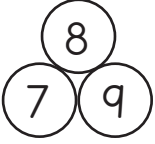
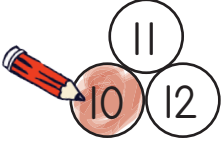
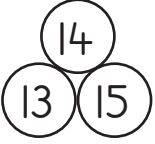
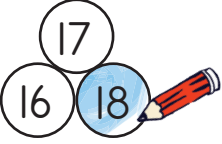
KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

LETLAKALATŠHOMELO
WORKSHEET

1 Rarolla o be o khalare go hwetša paterone.

Solve and colour to find the pattern.

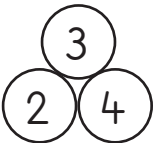
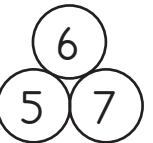
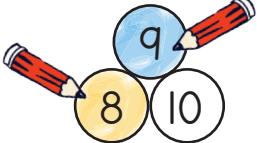
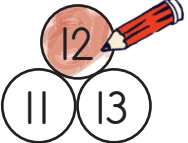
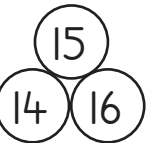
$9 + 9 = \underline{18}$ 		$5 + 5 = \underline{10}$ 	
$4 + 4 = \underline{\quad}$		$4 + 5 = \underline{\quad}$	
$7 + 7 = \underline{\quad}$		$5 + 6 = \underline{\quad}$	
$6 + 6 = \underline{\quad}$		$8 + 8 = \underline{\quad}$	
$9 + 8 = \underline{\quad}$		$3 + 4 = \underline{\quad}$	
$8 + 7 = \underline{\quad}$		$7 + 6 = \underline{\quad}$	

			
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2 Rarolla o be o khalare go hwetša paterone.

Solve and colour to find the pattern.

$11 - 3 = \underline{8}$ 		$13 - 4 = \underline{9}$ 		$9 + 3 = \underline{12}$ 	
$11 - 6 = \underline{\quad}$		$11 - 9 = \underline{\quad}$		$8 + 5 = \underline{\quad}$	
$11 - 8 = \underline{\quad}$		$14 - 7 = \underline{\quad}$		$7 + 9 = \underline{\quad}$	
$12 - 6 = \underline{\quad}$		$15 - 5 = \underline{\quad}$		$7 + 8 = \underline{\quad}$	
$12 - 8 = \underline{\quad}$		$20 - 9 = \underline{\quad}$		$6 + 8 = \underline{\quad}$	

				
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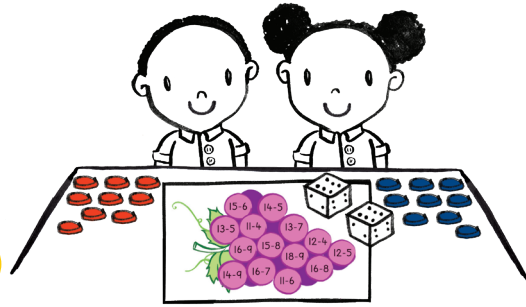
Papadi: Khurumela diterebe

Game: Cover the grapes

Foša letaese o be o hlakantšhe.
Hwetša terebe yeo e nago
le karabo yeo o nago le yona.
O ka khurumela terebe yeo.

Roll the dice and add. Find a grape with the
answer you got. You can cover that grape.

1

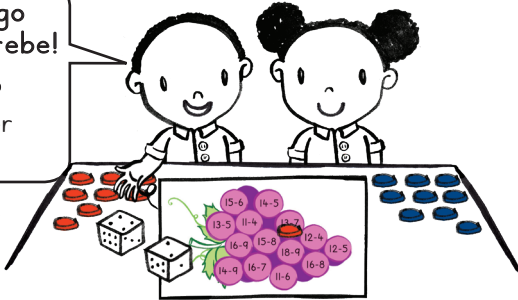


Nka kgona go
khurumela terebe!

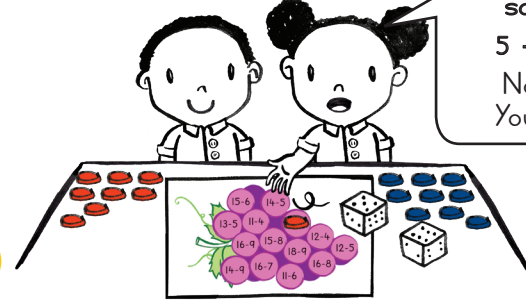
$$4 + 2 = 6$$

I can cover
a grape!

2



3



Gra se gabotse!
Ke sebaka
sa gago.
 $5 + 6 = 11$
No good!
Your turn.

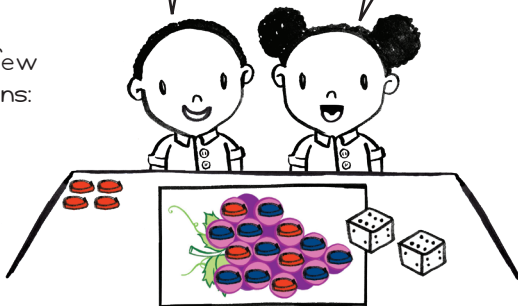
Ka morago
ga go raloka
makga a
mmalwa:

After a few
more turns:

O fentšhe!
You win!

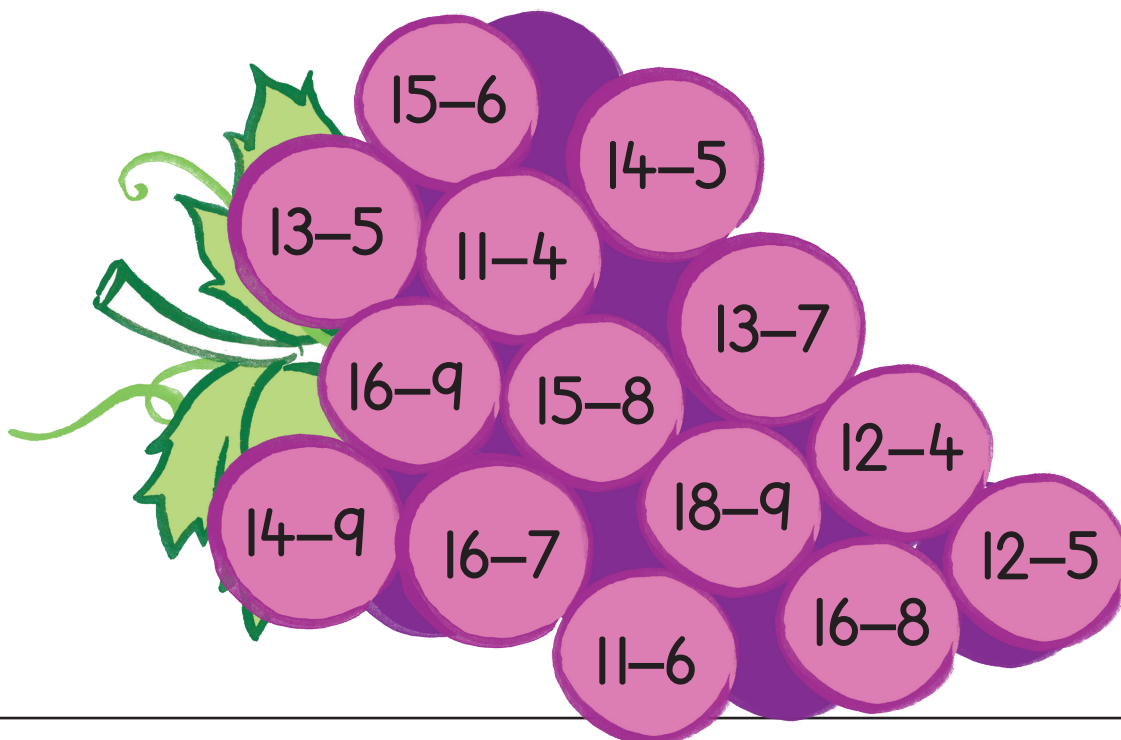
Ke hweditše 9 wena
o hweditše 5.
I got 9 and you got 5.

4



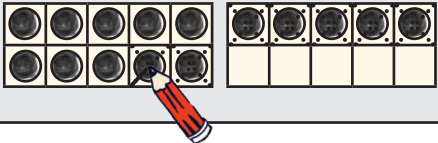
Motho yo a khurumelago
diterebe tše dintši godimo
ga poroto ke mofenyi.

The person who covers the most grapes
on the board wins.



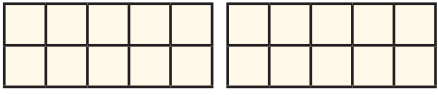
- 1 Ntšha ka go šomiša foreimi ya lesome le mothalo palo.
Subtract using the ten frame and number line.

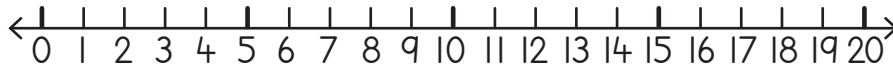
$15 - 7 =$ 



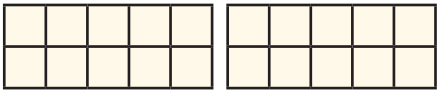


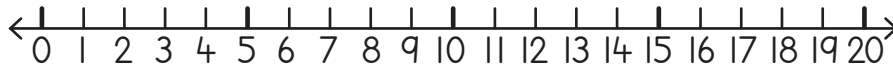
$16 - 9 =$



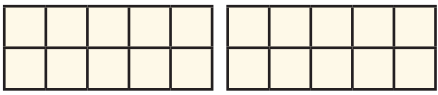


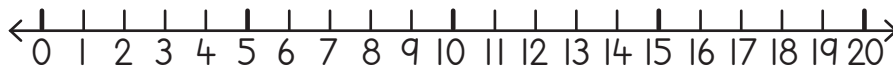
$15 - 8 =$





$17 - 9 =$

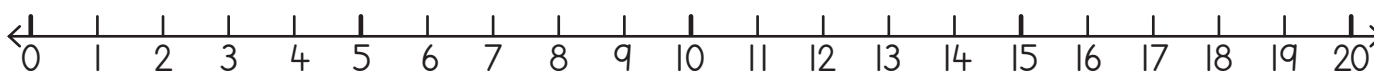




- 2 Tlatša dipalo tšeo di tlogetšwego gore o rarolle marara a.
Fill in the missing numbers to solve these problems.

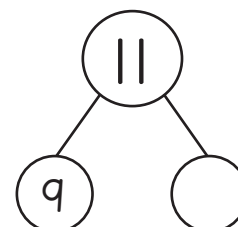
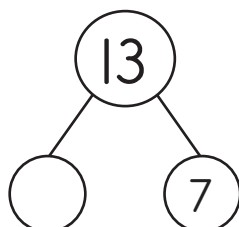
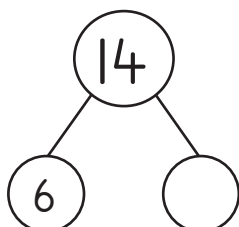
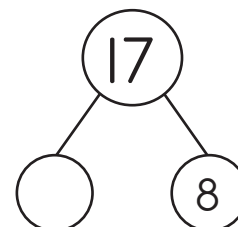
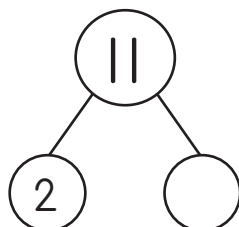
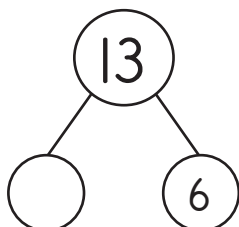
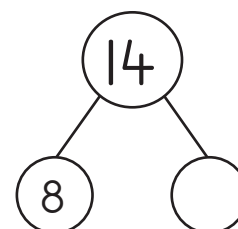
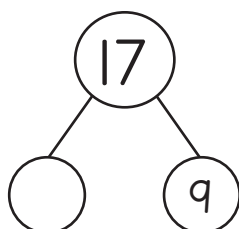
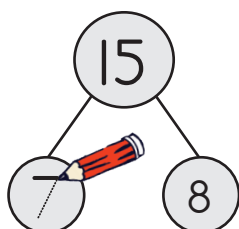
$14 - 7 =$ <u> </u>	$11 - 7 =$ <u> </u>	$15 -$ <u> </u> $= 7$
$12 -$ <u> </u> $= 7$	$18 -$ <u> </u> $= 7$	$16 - 7 =$ <u> </u>
$13 - 7 =$ <u> </u>	$17 -$ <u> </u> $= 7$	$20 - 7 =$ <u> </u>

3 Ntšha ka go šomiša mkgwa wo mongwe le wo mongwe.
Subtract using any method.



$18 - 9 = \underline{\quad}$	$11 - 7 = \underline{\quad}$	$13 - 8 = \underline{\quad}$
$14 - 6 = \underline{\quad}$	$15 - 9 = \underline{\quad}$	$12 - 7 = \underline{\quad}$
$17 - 8 = \underline{\quad}$	$13 - 6 = \underline{\quad}$	$11 - 9 = \underline{\quad}$

4 Tlatša didiko tša go se be le selo.
Fill the empty circles.



Go ntšha ka go tshelela ka godimo ga 10
Subtraction bridging 10

MMETSE
WA HLOGO
MENTAL MATHS

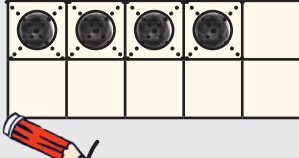
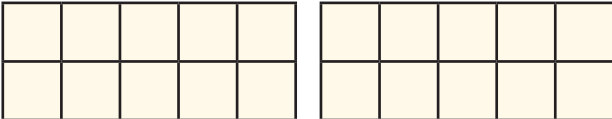
PAPADI YA GO SALUTA
SALUTE GAME

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

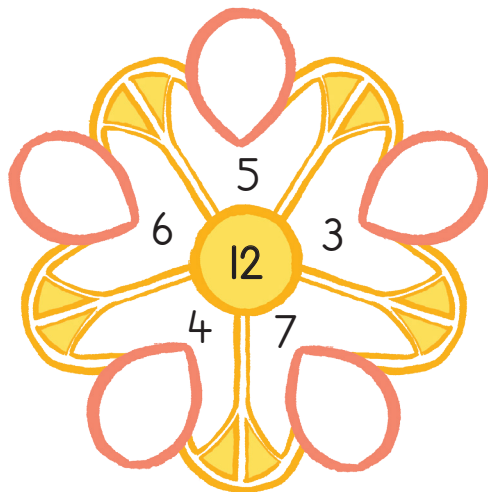
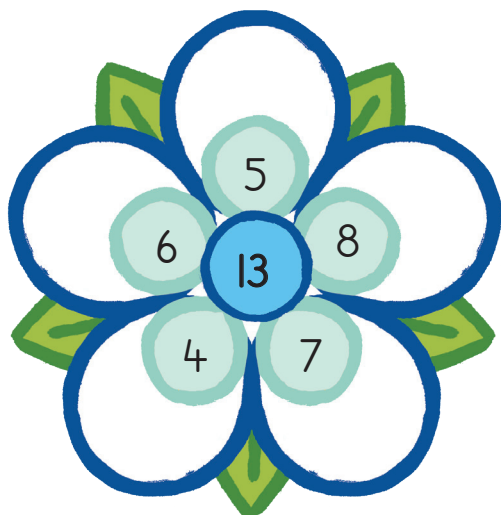
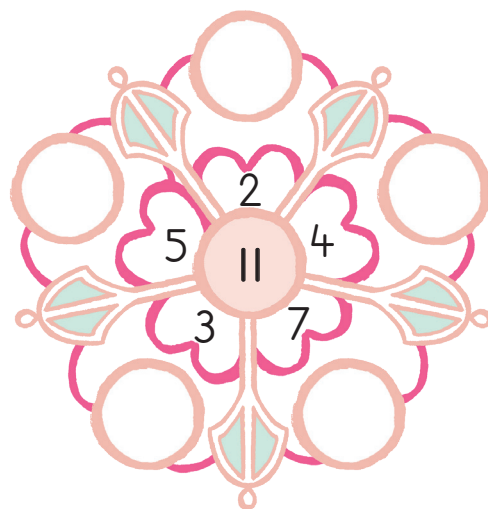
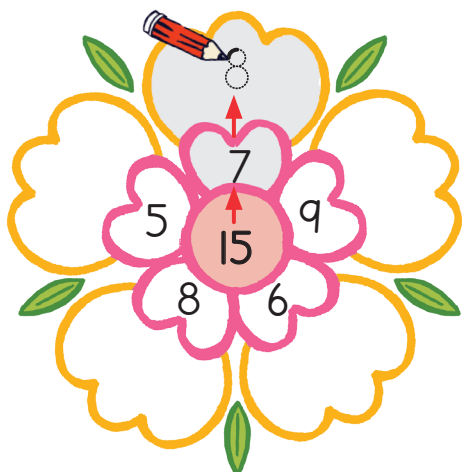
MATLAKALATŠHOMELO
WORKSHEETS

I Ntšha.
Subtract.

  $14 - 8 = \underline{\quad}$	 $17 - 9 = \underline{\quad}$
 $12 - 7 = \underline{\quad}$	 $16 - 8 = \underline{\quad}$
 $13 - \underline{\quad} = 7$	 $18 - \underline{\quad} = 9$
 $14 - \underline{\quad} = 7$	 $15 - \underline{\quad} = 6$
 $13 - 9 = \underline{\quad}$	 $12 - 8 = \underline{\quad}$
 $11 - 9 = \underline{\quad}$	 $14 - 9 = \underline{\quad}$
 $16 - \underline{\quad} = 9$	 $11 - \underline{\quad} = 3$

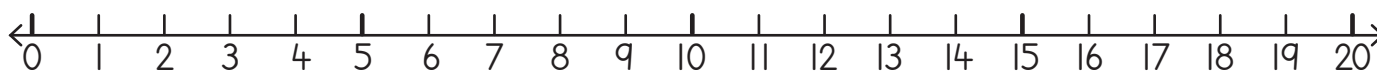
2 Ntšha.

Subtract.



3 Ntšha.

Subtract.



$$18 - 7 = \underline{\quad}$$

$$12 - 8 = \underline{\quad}$$

$$17 - 9 = \underline{\quad}$$

$$16 - 9 = \underline{\quad}$$

$$13 - 6 = \underline{\quad}$$

$$15 - 6 = \underline{\quad}$$

$$15 - 8 = \underline{\quad}$$

$$18 - 9 = \underline{\quad}$$

$$13 - 7 = \underline{\quad}$$

$$14 - 6 = \underline{\quad}$$

$$14 - 7 = \underline{\quad}$$

$$11 - 8 = \underline{\quad}$$

Go ntšha ka go tshelela ka godimo ga 10
Subtraction bridging 10

MMETSE
WA HLOGO
MENTAL MATHS

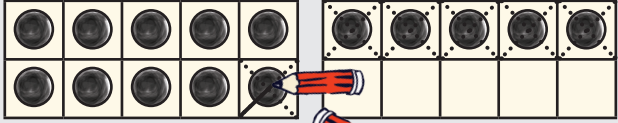
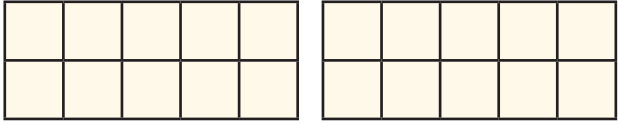
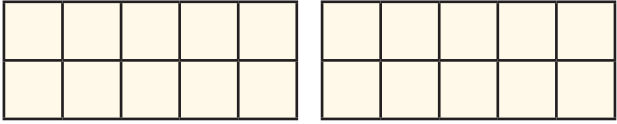
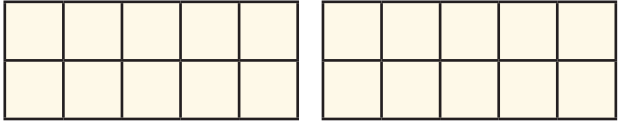
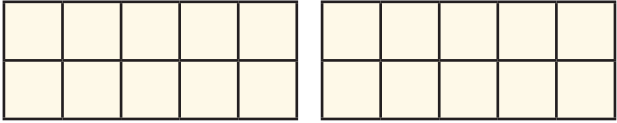
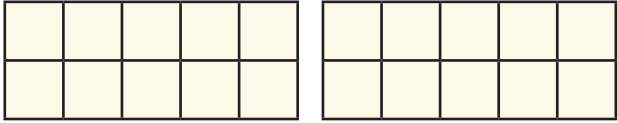
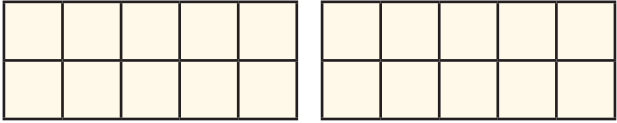
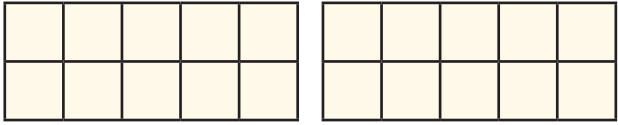
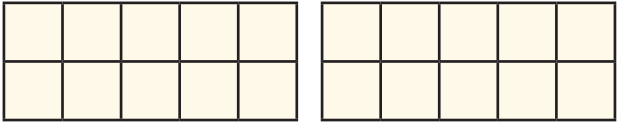
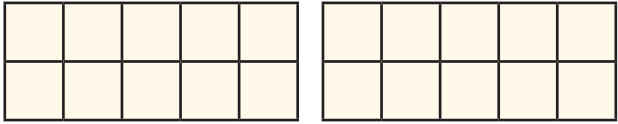
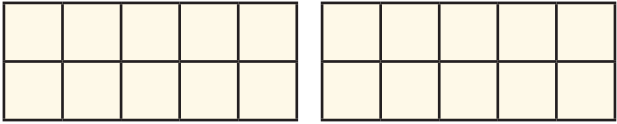
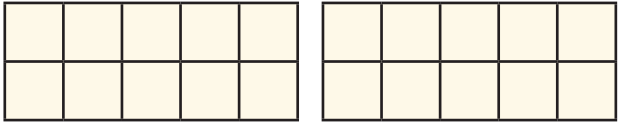
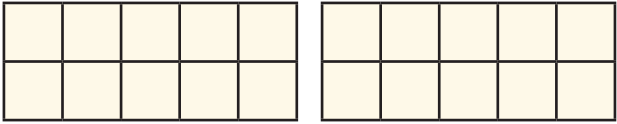
PAPADI YA GO SALUTA
SALUTE GAME

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

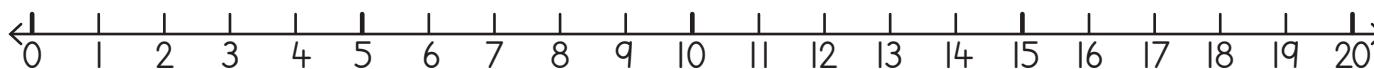
I Ntšha.
Subtract.

 $15 - 6 = \underline{\quad}$	 $13 - \underline{\quad} = 9$
 $17 - 8 = \underline{\quad}$	 $12 - 8 = \underline{\quad}$
 $14 - \underline{\quad} = 8$	 $16 - 7 = \underline{\quad}$
 $12 - \underline{\quad} = 7$	 $11 - \underline{\quad} = 6$
 $16 - 8 = \underline{\quad}$	 $15 - 8 = \underline{\quad}$
 $14 - \underline{\quad} = 9$	 $11 - 9 = \underline{\quad}$
 $13 - \underline{\quad} = 9$	 $17 - \underline{\quad} = 3$



2 Ntšha.

Subtract.



$$11 - 9 = \underline{2}$$

$$11 - 5 = \underline{\quad}$$

$$14 - 8 = \underline{\quad}$$

$$12 - 8 = \underline{\quad}$$

$$12 - 6 = \underline{\quad}$$

$$15 - 9 = \underline{\quad}$$

$$15 - 7 = \underline{\quad}$$

$$14 - 7 = \underline{\quad}$$

$$13 - 8 = \underline{\quad}$$

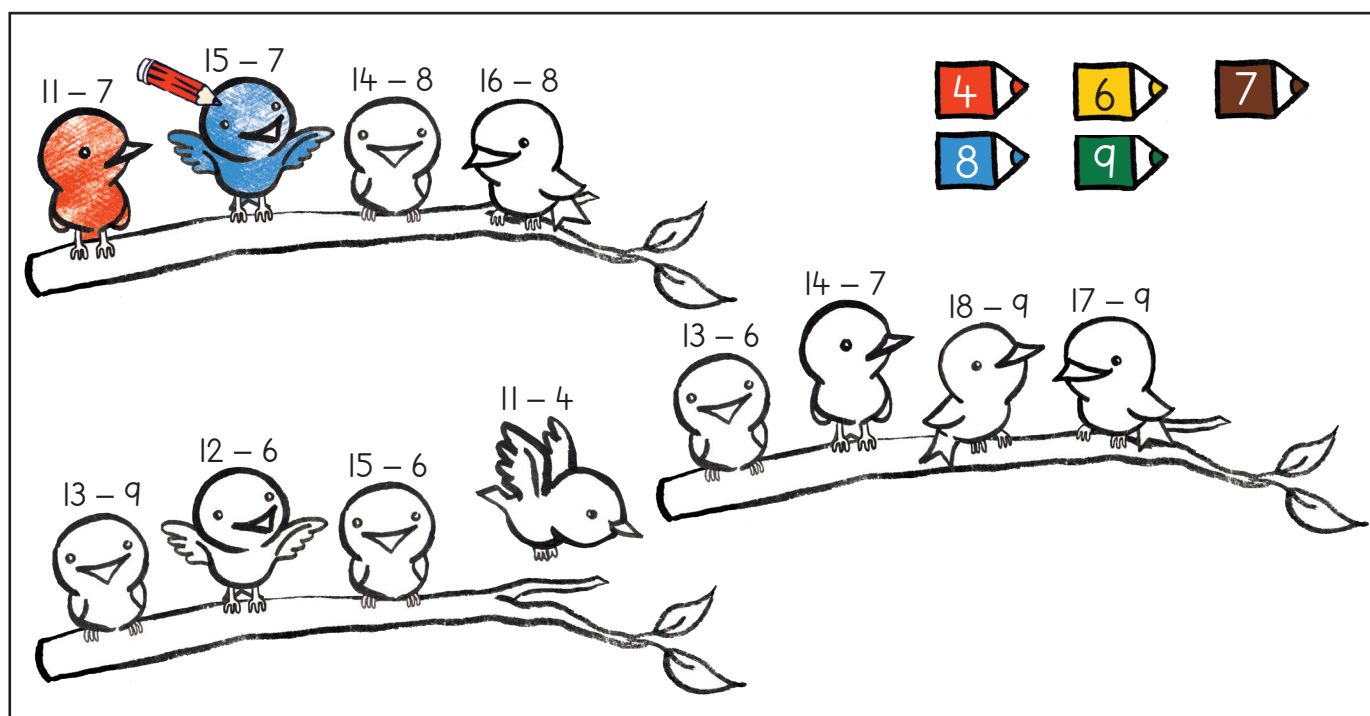
$$13 - 6 = \underline{\quad}$$

$$15 - 8 = \underline{\quad}$$

$$14 - 9 = \underline{\quad}$$

3 Ntšha o be o khalare.

Subtract and colour.



Hwetša palo yeo e tlogetšwego

Find the missing number

MMETSE
WA HLOGO
MENTAL MATHS

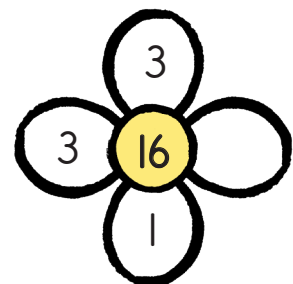
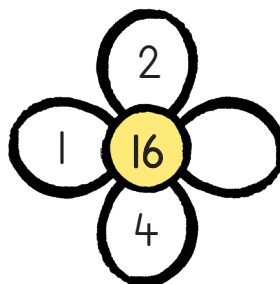
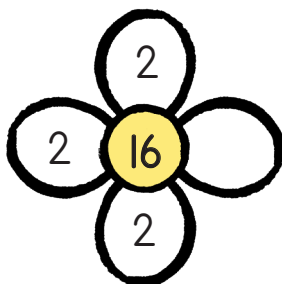
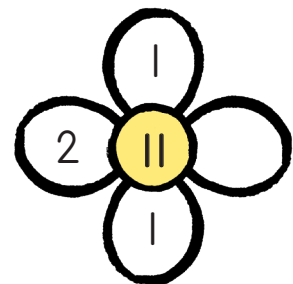
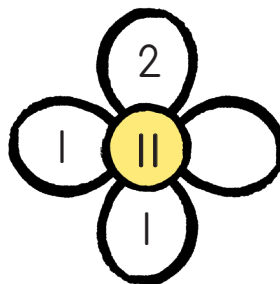
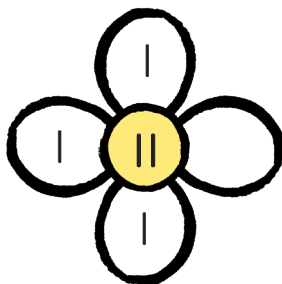
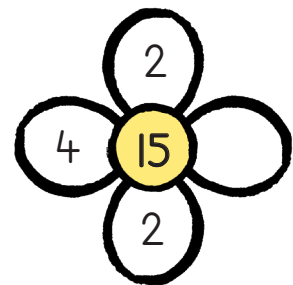
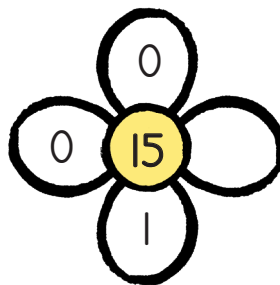
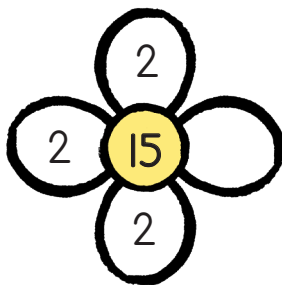
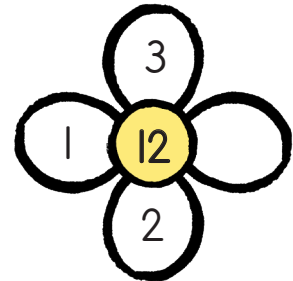
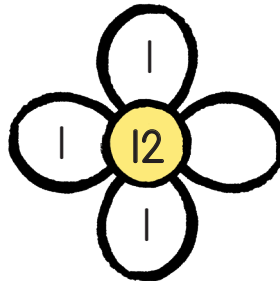
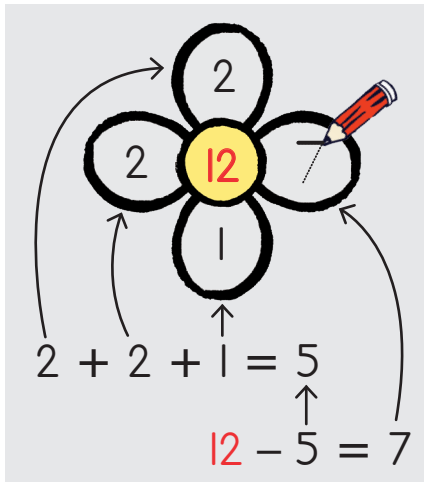
PAPADI YA GO SALUTA
SALUTE GAME

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

I Hwetša palo yeo e tlogetšwego.
Find the missing number.



2 Hwetša palo yeo e tlogetšwego.

Find the missing number.

 $11 - \underline{\quad} = 7$	$15 - \underline{\quad} = 7$
 $\underline{\quad} - 6 = 8$	$\underline{\quad} - 4 = 8$
$13 - \underline{\quad} = 9$	$14 - \underline{\quad} = 7$
$\underline{\quad} - 9 = 6$	$\underline{\quad} - 8 = 9$

3 Rarolla o be o khalare.

Solve and colour.

 $\underline{12} - 7 = 5$		 $\underline{\quad} - 6 = 5$	
$17 - 8 = \underline{\quad}$		$\underline{\quad} - 7 = 7$	
$\underline{\quad} - 9 = 9$		$16 - 6 = \underline{\quad}$	
$\underline{\quad} - 7 = 8$		$\underline{\quad} - 8 = 5$	
$14 - 6 = \underline{\quad}$		$15 - 8 = \underline{\quad}$	
$\underline{\quad} - 9 = 8$		$\underline{\quad} - 9 = 7$	

7	8	9	10	 11	 12	13	14	15	16	17	18
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Go ntšha ka go tshelela ka godimo ga 10
Subtraction bridging 10

MMETSE
WA HLOGO
MENTAL MATHS

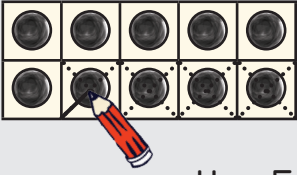
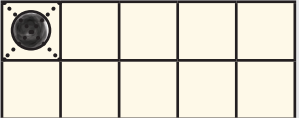
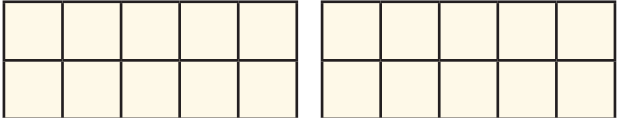
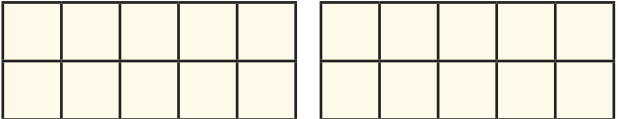
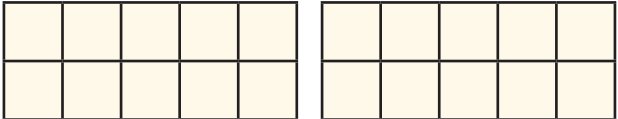
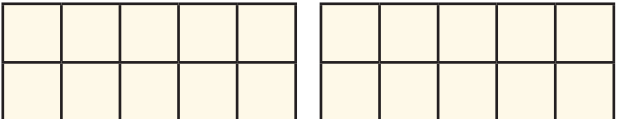
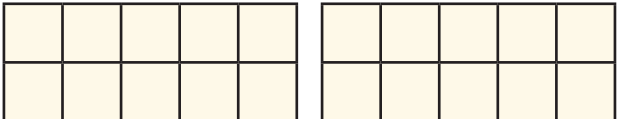
PAPADI YA GO SALUTA
SALUTE GAME

PAPADI
GAME

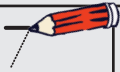
KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

LETLAKALATŠHOMELO
WORKSHEET

1 Ntšha.
Subtract.

  $11 - 5 = \underline{\quad}$	 $14 - 9 = \underline{\quad}$
 $12 - 8 = \underline{\quad}$	 $13 - 5 = \underline{\quad}$
 $14 - \underline{\quad} = 8$	 $16 - \underline{\quad} = 8$
 $15 - \underline{\quad} = 8$	 $17 - \underline{\quad} = 9$

2 Tlatša dipalo tšeo di tlogetšwego.
Fill in the missing numbers.

16	
	9

14	
7	

13	
	5

15	
8	

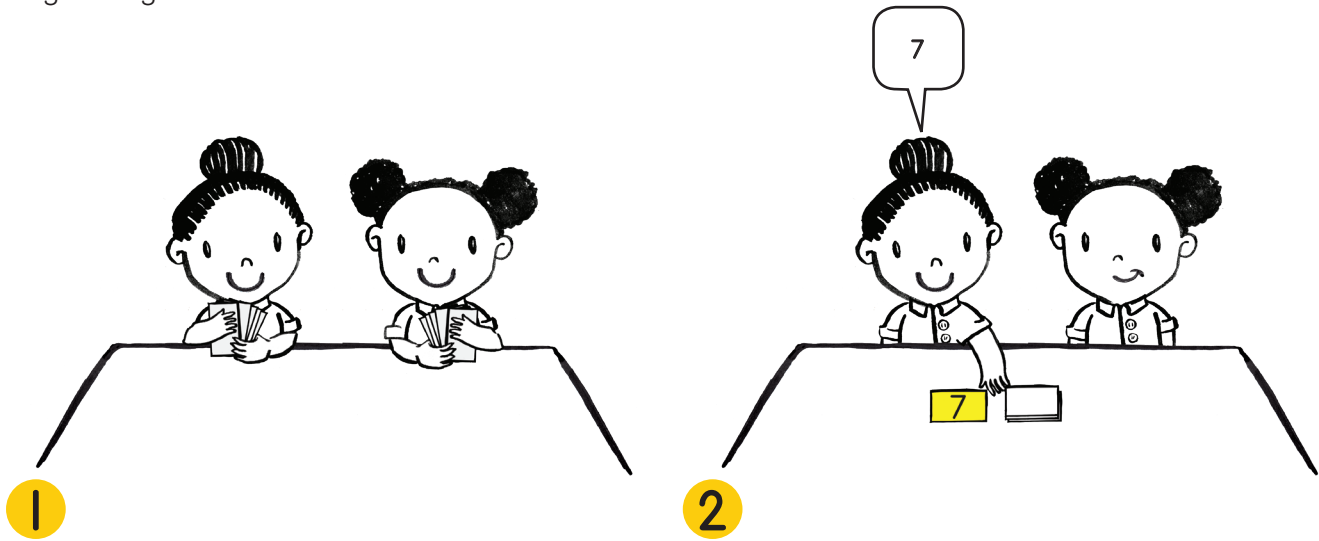
11	
	6

17	
9	

Papadi: Dira palo ya ka!
Game: Make my number!

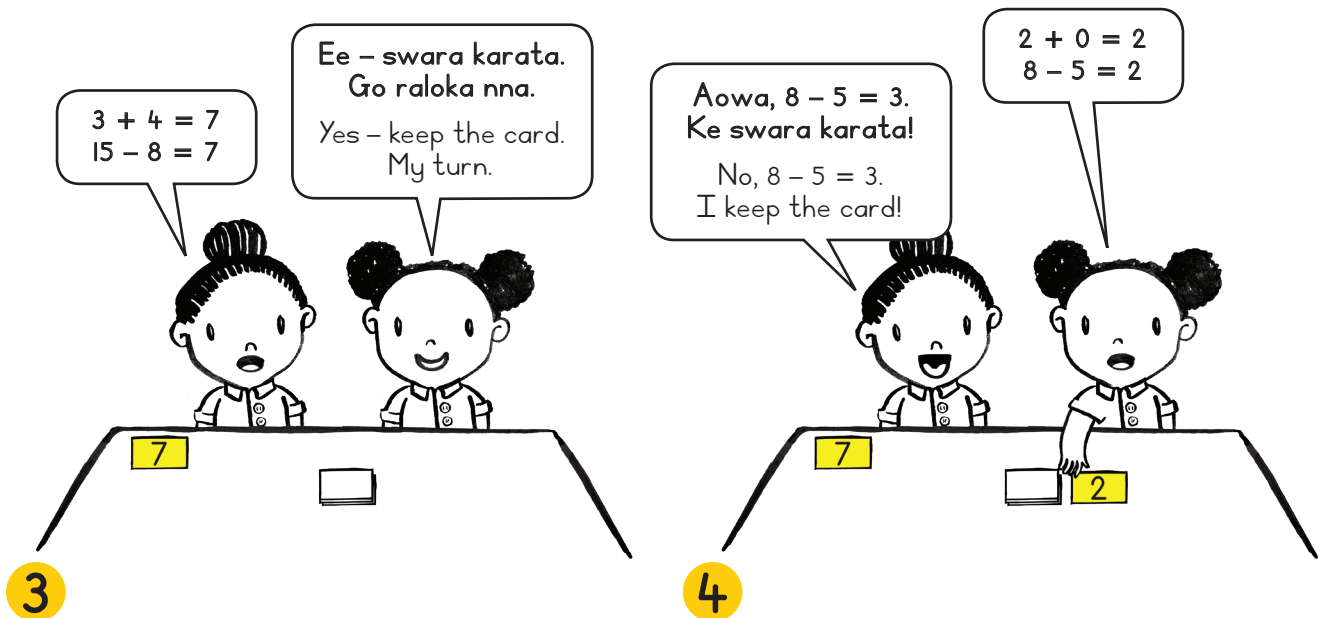
Ralokang ka dikarata tša lena tša 0–10.

Play with your 0–10 number cards.



Ge o topa karata, dira lefoko le tee la go hlakantšha le le tee la go ntšha leo le lekanago le palo yeo e lego karateng ya gago.

When you pick up a card, make one addition sentence and one subtraction sentence that equal the number shown on your card.



Tšwelang pele go fihlela dikarata ka moka di šomišwa. Moraloki yoo a swerego dikarata tše dintši ke mofenyi.

Keep going until all the cards are used. The player who kept the most cards wins.

LETLAKALATŠHOMELO
WORKSHEET

LETLAKALATŠHOMELO
WORKSHEET

I Ntšha.
Subtract.

$$17 - 8 = \underline{\quad}$$

$$11 - 6 = \underline{\quad}$$

$$13 - 7 = \underline{\quad}$$

$$15 - \underline{\quad} = 7$$

$$16 - \underline{\quad} = 7$$

$$12 - \underline{\quad} = 6$$

$$11 - \underline{\quad} = 2$$

$$14 - \underline{\quad} = 8$$

$$18 - 9 = \underline{\quad}$$

$$15 - 9 = \underline{\quad}$$

$$12 - 9 = \underline{\quad}$$

$$16 - 8 = \underline{\quad}$$

2 Tlatša dipalo tšeo di tlogetšwego.

Fill in the missing numbers.

8	
3	

10	
	4

7	
2	

12	
	9

16	
8	

13	
7	

14	
9	

15	
	6

11	
9	

17	
8	

18	
9	

19	
	10

3 Feleletša gore o dire palo yeo e filwego ka godimo.

Complete to match the number at the top.

12
3 + ____
2 + ____
4 + ____
____ + 10
____ + 6
____ + 4

14
4 + ____
5 + ____
3 + ____
____ + 7
____ + 9
____ + 6

17
9 + ____
8 + ____
7 + ____
____ + 7
____ + 8
____ + 9

MMETSE
WA HLOGO
MENTAL MATHS

PAPADI YA GO
PEDIFATŠA
DOUBLING GAME

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

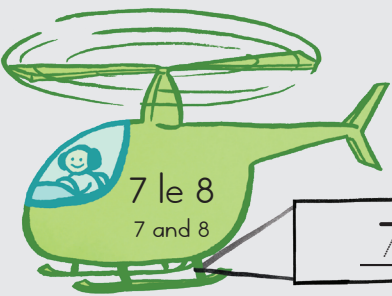
1 Na go šala dipheta tše kae ge ke tloša tše ____?

How many beads are left if I take away ____?

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

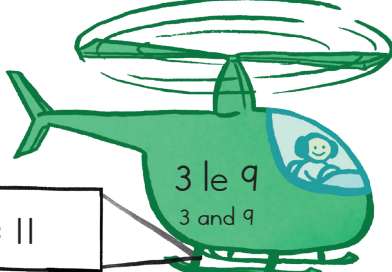
2 Feleletša mafokopalo.

Complete the number sentences.



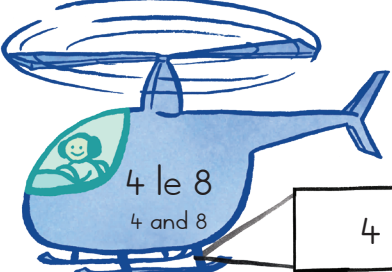
7 le 8
7 and 8

____ + 8 = 15



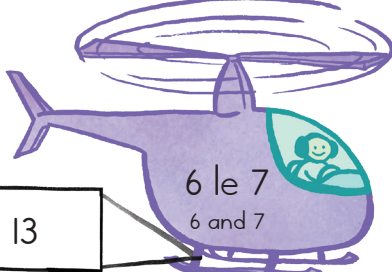
3 le 9
3 and 9

____ + 9 = 11



4 le 8
4 and 8

4 + 8 = ____



6 le 7
6 and 7

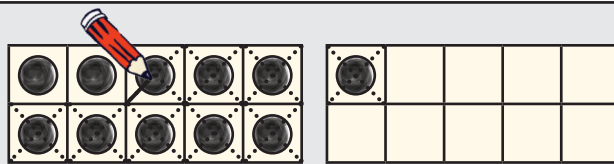
____ + 7 = 13

3 Rarolla.

Solve.

Go na le dinku tše 11. Tše 9 tša tšona di a tšhaba. Na go šetše dinku tše kae?

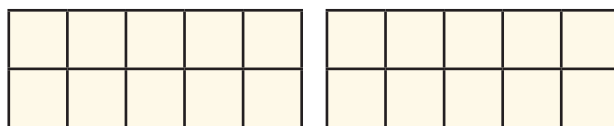
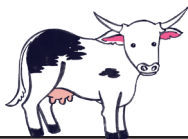
There are 11 sheep.
9 of them run away.
How many sheep are left?



$$\underline{11} - \underline{9} = \underline{2}$$

Go na le dikgomo tše 12. Tše 5 tša tšona di ya bogamelong. Na go šetše dikgomo tše kae?

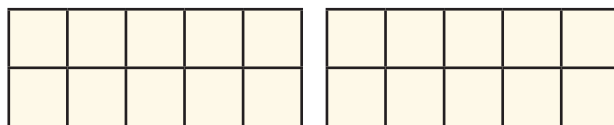
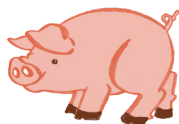
There are 12 cows.
5 go to the milking shed.
How many cows are left?



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

Go na le dikolobe tše 16. Tše 7 tša tšona di ya go raloka lerageng. Na go šetše dikolobe tše kae?

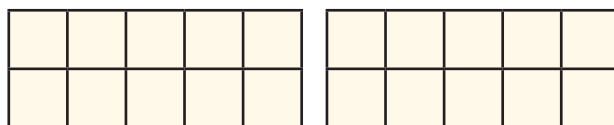
There are 16 pigs.
7 go to play in the mud.
How many pigs are left?



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

Go na le dipere tše 14. Tše 8 tša tšona di ya lepatlelongng. Na go šetše dipere tše kae?

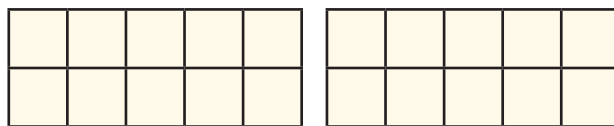
There are 14 horses.
8 go to the field.
How many horses are left?



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

Go na le dikatse tše 17. Tše 9 tša tšona di a tšhaba. Na go šetše dikatse tše kae?

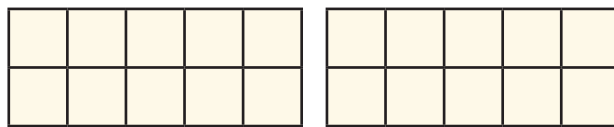
There are 17 cats.
9 cats run away.
How many cats are left?



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

Go na le dimpša tše 15. Tše 8 tša tšona di a tšhaba. Na go šetše dimpša tše kae?

There are 15 dogs.
8 dogs run away.
How many dogs are left?



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

Dikanegelo tša go ntšha

Subtraction stories

MMETSE
WA HLOGO
MENTAL MATHS

PAPADI YA GO
PEDIFATŠA
DOUBLING GAME

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

I Anegele modirišane wa gago kanegelo ya go ntšha mabapi le seswantšho o be o ngwale lefokopalo.

Tell a subtraction story to your partner about the picture then write the number sentence.

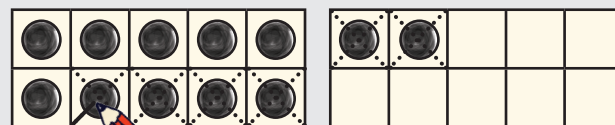
	Lefokopalo Number sentence
 Na phapano ke eng magareng ga palo ya dimabole tše dikhubedu le dimabole tše ditalaleratadima? What is the difference between the number of red marbles and blue marbles?	 $13 - 6 = 7$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$

2 Rarolla mararantšhu o šomiša diforeimi tša lesome.

Solve the word problems using the ten frames.

Go na le dimonamonane tše 12.
Tše 6 tša tšona di jelwe. Na go
šetše dimonamonane tše kae?

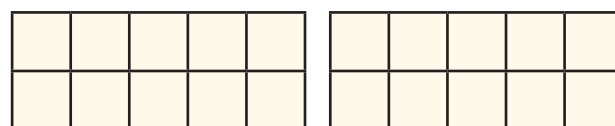
There are 12 suckers.
6 are eaten.
How many suckers are left?



$$12 - 6 = 6$$

Go na le dimonamonane tše 17.
Tše 9 tša tšona di jelwe. Na go
šetše dimonamonane tše kae?

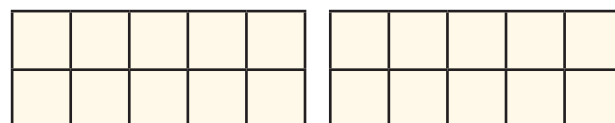
There are 14 suckers.
9 are eaten.
How many suckers are left?



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

Go na le diapole tše 17. Tše 8
tša tšona di jelwe. Na go
šetše diapole tše kae?

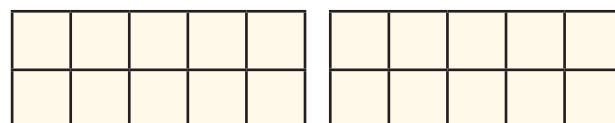
There are 17 apples.
8 are eaten.
How many apples are left?



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

Go na le dipaluni tše 11. Tše 7
tša tšona di phaphametše tša
tšewa ke moya. Na go šetše
dipaluni tše kae?

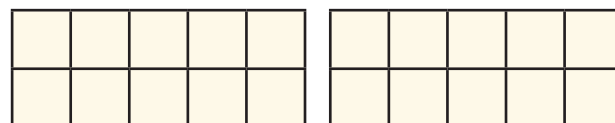
There are 11 balloons.
7 float away.
How many balloons are left?



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

Go na le matšoba a 16. Matšoba
a 7 a filwe batho. Na go šetše
matšoba a makae?

There are 16 flowers.
7 are given away.
How many flowers are left?



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

MMETSE
WA HLOGO
MENTAL MATHS

PAPADI YA GO
PEDIFATŠA
DOUBLING GAME

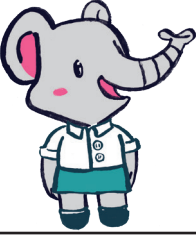
PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

MATLAKALATŠHOMELO
WORKSHEETS

1 Ngwala mafokopalo a mane a tafola ye nngwe le ye nngwe ya tlemagano.

Write four number sentences for each bond table.

 <table border="1" data-bbox="367 611 597 776"> <tr> <td colspan="2">15</td> </tr> <tr> <td>6</td> <td>9</td> </tr> </table>	15		6	9	 $\underline{6} + \underline{9} = \underline{15}$ $\underline{9} + \underline{6} = \underline{15}$	 $\underline{15} - \underline{6} = \underline{9}$ $\underline{15} - \underline{9} = \underline{6}$
15						
6	9					
 <table border="1" data-bbox="367 870 597 1034"> <tr> <td colspan="2">11</td> </tr> <tr> <td>3</td> <td>8</td> </tr> </table>	11		3	8	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$	$\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
11						
3	8					
 <table border="1" data-bbox="367 1128 597 1293"> <tr> <td colspan="2">12</td> </tr> <tr> <td>7</td> <td>5</td> </tr> </table>	12		7	5	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$	$\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
12						
7	5					
 <table border="1" data-bbox="367 1399 597 1564"> <tr> <td colspan="2">16</td> </tr> <tr> <td>9</td> <td>7</td> </tr> </table>	16		9	7	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$	$\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
16						
9	7					
 <table border="1" data-bbox="367 1658 597 1822"> <tr> <td colspan="2">14</td> </tr> <tr> <td>6</td> <td>8</td> </tr> </table>	14		6	8	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$	$\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
14						
6	8					
 <table border="1" data-bbox="367 1916 597 2081"> <tr> <td colspan="2">17</td> </tr> <tr> <td>8</td> <td>9</td> </tr> </table>	17		8	9	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$	$\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
17						
8	9					

2 Tlatša ditafola tša tlemagano go dira palo ya ka godimo.

Fill the bond tables to make the top number.

11	
	5

14	

12	

13	

12	

15	

16	

17	

18	

2 Rarolla.

Solve.

Go na le dinonyana tše 14 mohlareng. Tše 8 tša tšona di fofile tša tloga. Na go šetše dinonyana tše kae?

There are 14 birds in the tree.
8 of them fly away.
How many birds are left?



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

Go na le digomaretši tše 17. Mpho o tšere digomaretši tše 8. Na go šetše digomaretši tše kae?

There are 17 stickers.
Mpho takes 8 stickers.
How many stickers are left?



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

Go na le mae a 15 ka mmanking. Mae a 8 a pšatlegile. Na go šetše mae a makae?

There are 15 eggs in the basket.
8 of them get broken.
How many eggs are left?



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

Dipaterone tša tlemagano ya dipalo

Number bond patterns

MMETSE
WA HLOGO
MENTAL MATHS

PAPADI YA GO
PEDIFATŠA
DOUBLING GAME

PAPADI
GAME

KGODIŠO YA KGOPOLLO
CONCEPT DEVELOPMENT

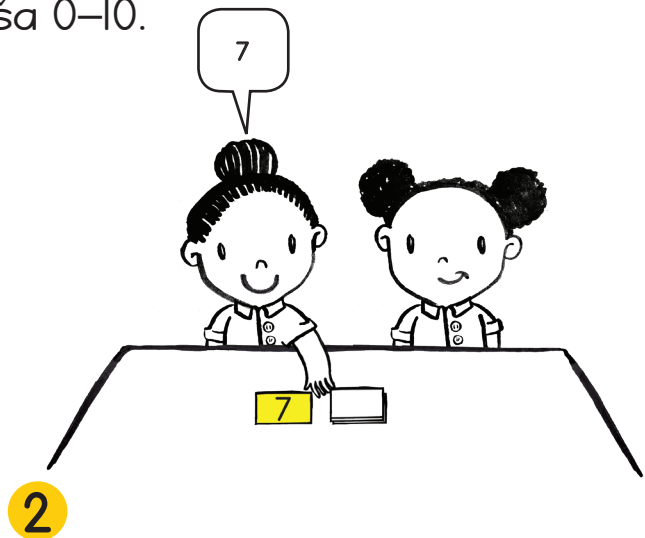
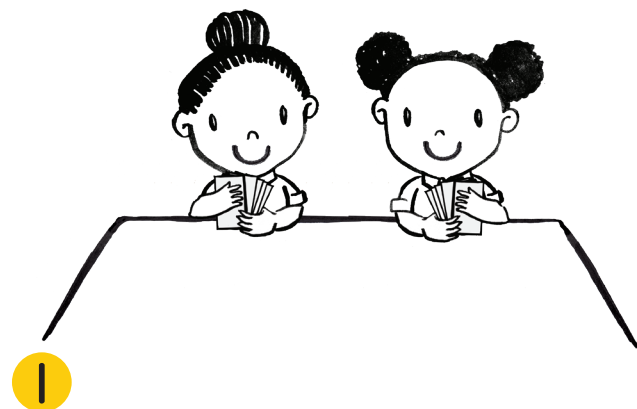
LETLAKALATŠHOMELO
WORKSHEET

Papadi: Dira palo ya ka!

Game: Make my number!

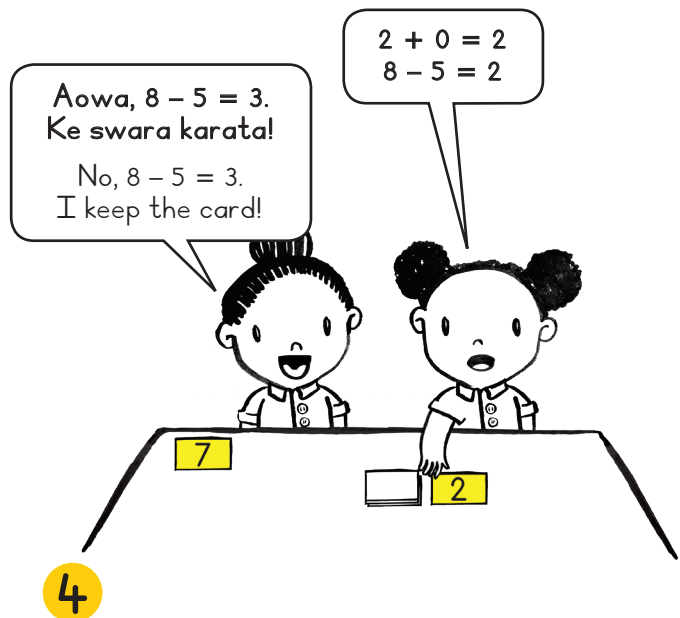
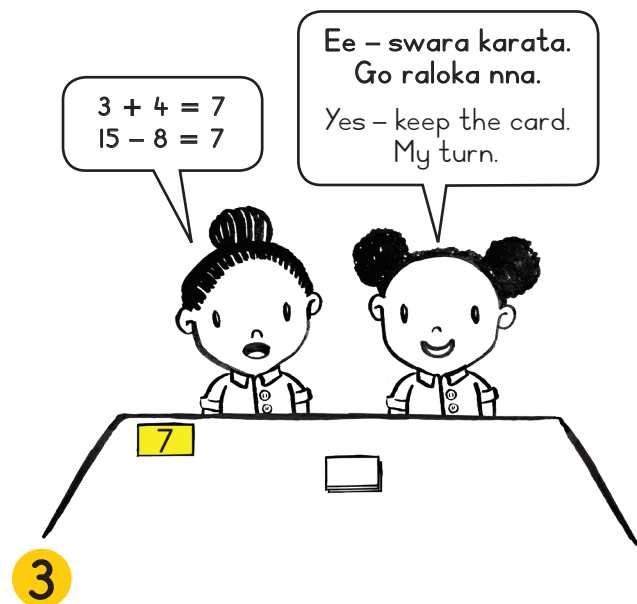
Ralokang ka dikarata tša lena tša 0–10.

Play with your 0–10 number cards.



Ge o topa karata, dira lefoko le tee la go hlakantšha le le tee la go ntšha leo le lekanago le palo yeo e lego karateng ya gago.

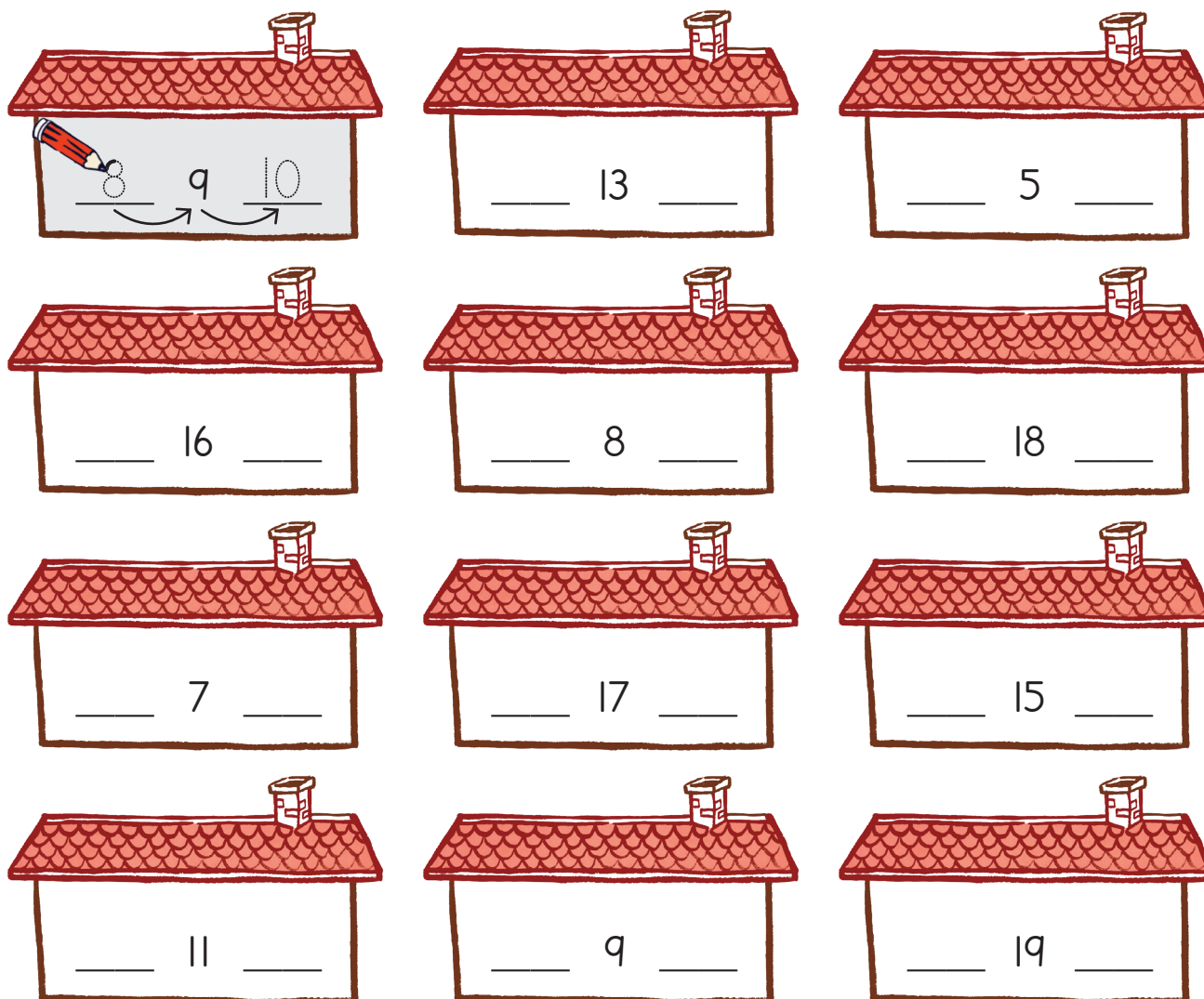
When you pick up a card, make one addition sentence and one subtraction sentence that equal the number shown on your card.



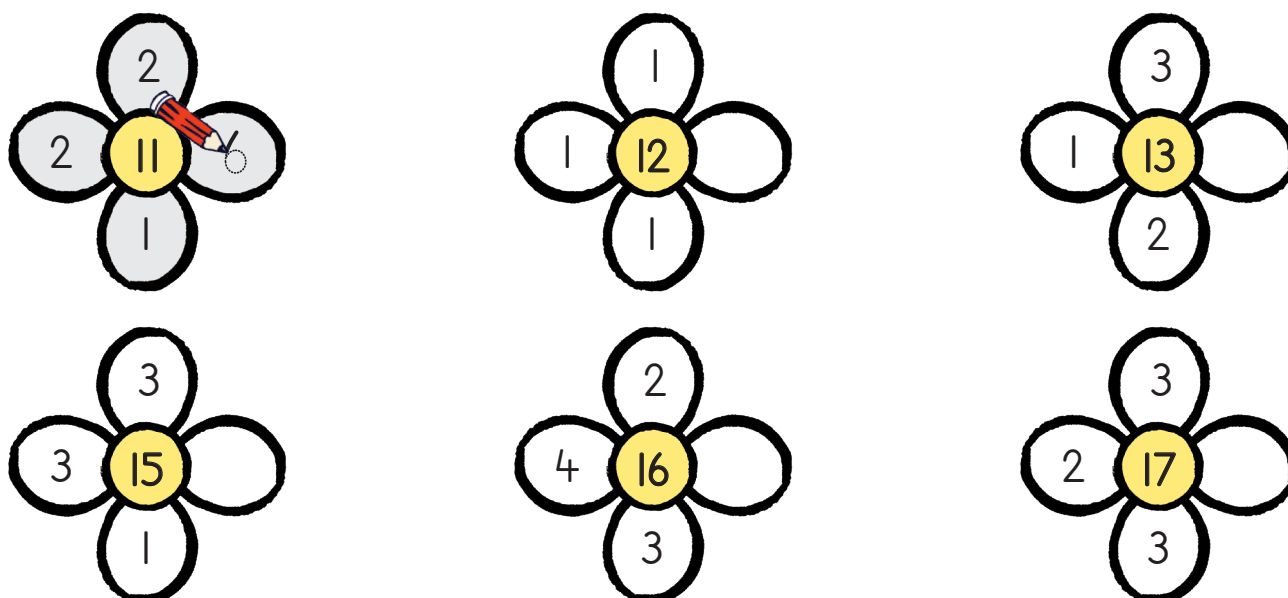
Tšwelang pele go fihlela dikarata ka moka di šomišwa. Moraloki yoo a swerego dikarata tše dintši ke mofenyi.

Keep going until all the cards are used. The player who kept the most cards wins.

- 1 Ngwala palo yeo e tlogo pele le morago ga palo yeo e filwego.
Write the number that comes **before** and **after**.



- 2 Hwetša palo yeo e tlogetšwego.
Find the missing number.



1 Rarolla mararantšhu o šomiša diforeimi tša lesome.

Solve the word problems using the ten frames.

Go na le diapole tše 17. Tše 8
tša tšona di jelwe. Na go šetše
diapole tše kae?

There are 17 apples. 8 are eaten.
How many apples are left?



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

Go na le dipaluni tše 15. Tše 8
tša tšona di phaphametše tša
tšewa ke moya. Na go šetše
dipaluni tše kae?

There are 15 balloons. 8 float away.
How many balloons are left?



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

Go na le matšoba a 14. Matšoba
a 7 a filwe batho. Na go šetše
matšoba a makae?

There are 14 flowers. 7 are given away.
How many flowers are left?



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

2 Tlatša ditafola tša tlemagano go dira palo ya ka godimo.

Fill the bond tables to make the top number.

17	

14	

11	

13	

15	

18	

3 Feleletša go dira palo ya ka godimo.

Complete to match the number at the top.

11	16	13
3 + ____	4 + ____	5 + ____
2 + ____	5 + ____	6 + ____
4 + ____	3 + ____	7 + ____
____ + 1	____ + 7	____ + 8
____ + 6	____ + 8	____ + 9
____ + 4	____ + 9	____ + 4

4 Na go šala dipheta tše kae ge ke tšea tše ____?

How many beads are left if I take away ____?

  $18 - 9 = 9$	 9	 $___ - ___ = ___$	 8
 $___ - ___ = ___$	 7	 $___ - ___ = ___$	 6
 $___ - ___ = ___$	 5	 $___ - ___ = ___$	 9



Matšatši a beke

Days of the week



Mošupologo Monday	Labobedi Tuesday
Laboraro Wednesday	Labone Thursday
Labohlano Friday	Mokibelo Saturday
Lamorena Sunday	





Dikgwedi tša ngwaga



Months of the year



Pherekong January	Dibokwane February
Hlakola March	Moranang April
Mopitlo May	Phupu June
Mosegamanye July	Phato August
Lewedi September	Diphlane October
Dibatsela November	Manthole December

