



Ikota 4 Term 4

IMathematika

Mathematics

INcwadi Yomfundi Yomsebenzi
Learner Activity Book

IsiXhosa English

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

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

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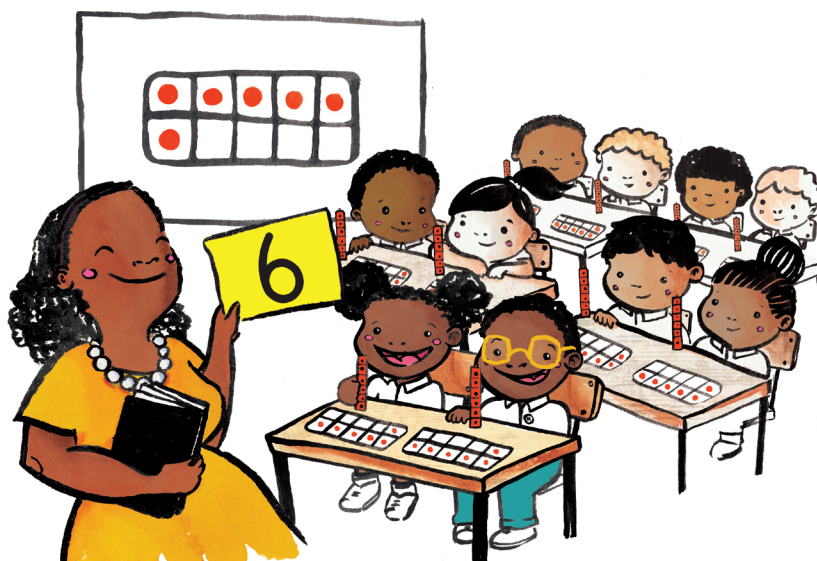
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Ukusebenzisa incwadi yemisebenzi yabafundi yeBala Wande

Le ncwadi yemisebenzi yabafundi inemisebenzi elungiselelwe iintsuku ezingama-40 zokufundisa kwikota yesi-4. Kukho imisebenzi yophuhliso lwengqiqo, imisebenzi yomfundi ngamnye kwakunye nemidlalo apho abafundi baya kudlala ngababini okanye ngokwamaqela. Iimpendulo zale misebenzi zingabhalwa kwakule ncwadi.

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

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

Ukuqala kosuku ngalunye olutsha kuboniswe ngebhanile ebomvu.

IVEKI • WEEK
2

USUKU 1 • DAY 1

Ukutshatisa, ukuhlela nokubala ukuya ku-5
Matching, sorting and counting up to 5



Ngezantsi kwebhanile kukho iflowutshathi eshwankathela ukulandelelana kwemisebenzi yolo suku.



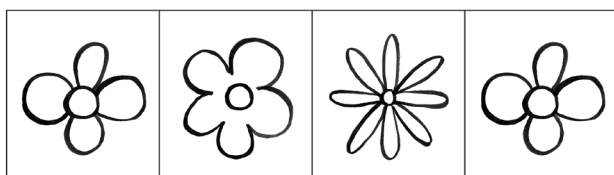
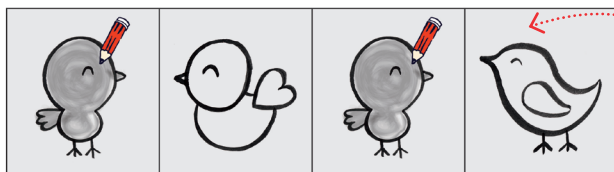
Izibalo zentloko ziya kuba ngumsebenzi wokuqala yonke imihla. Lo msebenzi uya kukhokelwa ngutitshala. Lo mdlalo ungawudlala nangoluphi na usuku lweveki.

Olu phawu lubonisa imisebenzi yophuhliso lwengqiqo neya kukhokelwa ngutitshala.



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

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



Yonke imiyalelo neenkukacha zinikwe ngesiXhosa nangenguqulelo yesiNgesi ngezantsi.

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

Usuku lwesi-5 lweveki nganye lulungiselelwe uqukaniso novavanyo.

Using the Bala Wande Learner Activity Book

This Learner Activity Book has activities planned for 40 days of teaching in Term 4. 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.

INEKI • WEEK

2

USUKU 1 • DAY 1

Ukutshatisa, ukuhlela nokubala ukuya ku-5

Matching, sorting and counting up to 5



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



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

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



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

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

















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

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

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



I Fumana inani elishiyiweyo. Bhala isivakalisi manani esahlukileyo emgceni usebenzisa kwa la manani.

Find the missing number. Write a different number sentence on the line using the same numbers.

$7 + 8 = 15$

15	
7	8

$15 - 7 = 8$

_____ + 6 = 11

11	
	6

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

12	
	9

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

14	
8	

_____ + 9 = 18

18	
	9

$q + \underline{\hspace{2cm}} = 16$

16	
	q

17 - ____ = 9

17	
	9

13 - ____ = 8

13	
	8

12 - ____ = 6

12	
	6

11 - ____ = 7

11	
	7

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

14		
<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;">5</td> </tr> </table>		5
	5	

13 - ____ = 9

13	
	9

2 Fumana inani elishiyiweyo. Inani elisembindini sisiphumo.

The number in the middle is the total. Find the missing number.

7 + 2 + 1 + = 11

 + 6 + 1 + 4 = 15

 + 3 + 1 + 6 =

 + 7 + 1 + 1 =

3 Sombulula uze ufakele imibala.

Solve and colour.

$13 - \underline{\quad} = 7$		$14 - \underline{\quad} = 2$	
$15 - 8 = \underline{\quad}$		$18 - 7 = \underline{\quad}$	
$11 - \underline{\quad} = 6$		$13 - \underline{\quad} = 10$	
$12 - 2 = \underline{\quad}$		$11 - 9 = \underline{\quad}$	
$17 - \underline{\quad} = 9$		$15 - \underline{\quad} = 6$	
$16 - 3 = \underline{\quad}$		$12 - 8 = \underline{\quad}$	

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

Find the missing number

Week 1 • Day 1

3

Fumana inani elishiyiweyo

Find the missing number

IZIBALO
ZENTLOKO
MENTAL MATHS

IMISEBENZI
YEXESHA
TIME ACTIVITIES

UMDLALO
GAME

UPHUHLISO
LWENGQIYO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

I Fumana inani elishiyiweyo. Bhala isivakalisi manani esahlukileyo emgceni usebenzise kwa la amanani.

Find the missing number. Write a different number sentence on the line using the same numbers.

$15 - 9 = 6$

15	
9	6

$9 + 6 = 15$

$\underline{\hspace{2cm}} - 7 = 4$

7	4

$\underline{\hspace{2cm}}$

$16 - \underline{\hspace{2cm}} = 8$

16	
	8

$\underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} + 5 = 13$

13	
	5

$\underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} + 8 = 14$

14	
	8

$\underline{\hspace{2cm}}$

$5 + \underline{\hspace{2cm}} = 11$

11	
5	

$\underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} - 9 = 7$

9	7

$\underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} - 3 = 8$

3	8

$\underline{\hspace{2cm}}$

$17 - \underline{\hspace{2cm}} = 8$

17	
	8

$\underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} + 8 = 12$

12	
	8

$\underline{\hspace{2cm}}$

$7 + \underline{\hspace{2cm}} = 14$

14	
7	

$\underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} + 7 = 13$

13	
	7

$\underline{\hspace{2cm}}$

2 Amakhadi abahlobo ababini enza isiphumo esifanayo xa edityanisiwe. Fumana inani elishihiweyo.

Two friends have cards that add up to the same number. Find the missing number.

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

3 Gqibezela ukuze ufumane inani elingasentla.

Complete to match the number at the top.

9 $13 - \underline{\quad} = \underline{\quad}$ $17 - \underline{\quad}$ $11 - \underline{\quad}$ $\underline{\quad} - 5$ $\underline{\quad} - 9$ $\underline{\quad} - 3$	15 $9 + \underline{\quad} = \underline{\quad}$ $4 + \underline{\quad}$ $7 + \underline{\quad}$ $\underline{\quad} + 5$ $\underline{\quad} + 8$ $\underline{\quad} + 6$	16 $8 + \underline{\quad} = \underline{\quad}$ $7 + \underline{\quad}$ $14 + \underline{\quad}$ $\underline{\quad} - 4$ $\underline{\quad} - 2$ $\underline{\quad} - 3$
---	---	--

Find the missing number

Week 1 • Day 2

5

Ukudibanisa nokuthabatha

Addition and subtraction

IZIBALO
ZENTLOKO
MENTAL MATHS

IMISEBENZI
YEXESHA
TIME ACTIVITIES

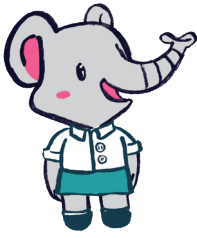
UMDLALO
GAME

UPHULISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Bhala izivakalisi manani ezine ezohlukileyo kwitheyibhile nganye yamanani.

Write four number sentences for each number table.

 <table border="1" data-bbox="389 637 618 804"> <tr> <td colspan="2">14</td> </tr> <tr> <td>8</td> <td>6</td> </tr> </table>	14		8	6	 $8 + 6 = 14$ $6 + 8 = 14$	 $14 - 6 = 8$ $14 - 8 = 6$
14						
8	6					
 <table border="1" data-bbox="389 899 618 1066"> <tr> <td colspan="2">11</td> </tr> <tr> <td>5</td> <td></td> </tr> </table>	11		5		$___ + ___ = ___$ $___ + ___ = ___$	$___ - ___ = ___$ $___ - ___ = ___$
11						
5						
 <table border="1" data-bbox="389 1161 618 1328"> <tr> <td colspan="2">15</td> </tr> <tr> <td></td> <td>9</td> </tr> </table>	15			9	$___ + ___ = ___$ $___ + ___ = ___$	$___ - ___ = ___$ $___ - ___ = ___$
15						
	9					
 <table border="1" data-bbox="389 1423 618 1589"> <tr> <td colspan="2">16</td> </tr> <tr> <td>7</td> <td></td> </tr> </table>	16		7		$___ + ___ = ___$ $___ + ___ = ___$	$___ - ___ = ___$ $___ - ___ = ___$
16						
7						
 <table border="1" data-bbox="389 1685 618 1851"> <tr> <td colspan="2">12</td> </tr> <tr> <td></td> <td>4</td> </tr> </table>	12			4	$___ + ___ = ___$ $___ + ___ = ___$	$___ - ___ = ___$ $___ - ___ = ___$
12						
	4					
 <table border="1" data-bbox="389 1946 618 2113"> <tr> <td colspan="2">13</td> </tr> <tr> <td>5</td> <td></td> </tr> </table>	13		5		$___ + ___ = ___$ $___ + ___ = ___$	$___ - ___ = ___$ $___ - ___ = ___$
13						
5						

2 Sombulula ezi ngxaki uze ubhale unobumba ngezantsi kwesiphumo.

Solve the problems and write the letter underneath the answer.

$9 + 3 = 12$ A

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

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

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

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

$8 + 5 = \underline{\quad}$ Z

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

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

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

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

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

$20 - 10 = \underline{\quad}$ I

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

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

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

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

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

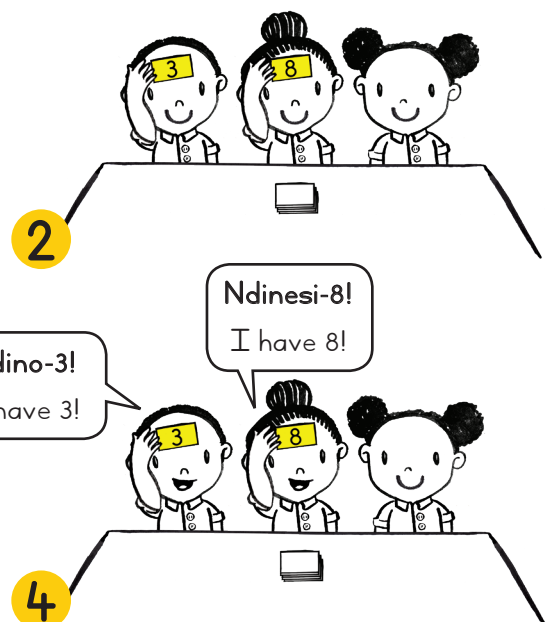
$12 - 8 = \underline{\quad}$ Z

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

Umdlalo: Saluta Game: Salute

Dlalani ngamakhadi enu amanani 0–10.

Play with your 0–10 number cards.



Qhubekani nokudlala ade wonke ubani abe udlale imijikelo eliqela esebenzisa amakhadi awohlukileyo ukuze baqhele ukudibanisa nokuthabatha.

Keep playing until everyone has had lots of turns using different cards to practise addition and subtraction.

Amanani ukuya kuma-99 - ukubala nokunakana

Numbers up to 99 - counting and recognition

IZIBALO
ZENTLOKO
MENTAL MATHS

IMISEBENZI
YEXESHA
TIME ACTIVITIES

UMDLALO
GAME

UPHUHLISO
LWENGQIYO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

Izikwere ezili-100

100 square

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1 Amakhadi abahlobo ababini enza isiphumo esifanayo xa edityanisiwe. Fumana inani elishihiweyo.

Two friends have cards that add up to the same number. Find the missing number.

5	3	5		4	2	7	
<u>5</u>	<u>3</u>	<u>5</u>		<u>4</u>	<u>2</u>	<u>7</u>	
$5 + 3 + 5 = 13$				$4 + 2 + 7 = 13$			
5	6	2		4	1		
<u> </u>	<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	
$ + + = $				$ + + = $			
4	4	6		7	5		
<u> </u>	<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	
$ + + = $				$ + + = $			

2 Bhala unobumba ngamnye kwibhokisi echanekileyo.

Write each letter in the correct box.

1	2	3	A	5	6	B	8	9	10
11	12	13	A	15	16	17	18	19	N
21	T	23	24	25	26	27	28	29	30
31	32	W	34	35	A	37	38	N	40
41	A	43	44	45	46	47	48	49	B
A	52	53	Y	55	56	57	A	59	T
61	62	63	64	H	66	A	68	N	70
D	72	A	74	U	76	77	78	K	80
81	82	83	84	85	U	87	88	89	90
91	B	93	94	A	96	L	98	A	100

4	7	14	20	22	33	36	39	42	
 A									
50	51	54	58	60	65	67	69	71	73
75	79	86	92	95	97	99			

3 Fakela umbala kula manani.

Colour the numbers.

10 ukuya ku-20
10 to 20

21 ukuya ku-30
21 to 30

31 ukuya ku-40
31 to 40

15	22	35	12	30	31	20	21	40	11	23	38
29	40	41	24	34	49	27	34	43	30	40	50
25	12	18	35	30	19	20	31	29	10	20	32

- 1 Fumana inani elishihiweyo. Bhala isivakalisi manani esahlukileyo emgceni usebenzise kwa la manani.

Find the missing number. Write a different number sentence on the line using the same numbers.

$15 - 6 = 9$

15	
6	9

$6 + 9 = 15$

$\underline{\hspace{2cm}} - 7 = 4$

7	4

$\underline{\hspace{2cm}}$

$16 - \underline{\hspace{2cm}} = 8$

16	
	8

$\underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} + 5 = 13$

13	
	5

$\underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} + 8 = 14$

14	
	8

$\underline{\hspace{2cm}}$

$5 + \underline{\hspace{2cm}} = 11$

11	
5	

$\underline{\hspace{2cm}}$

- 2 Amakhadi abahlobo ababini enza isiphumo esinye xa edityanisiwe. Fumana inani elishihiweyo.

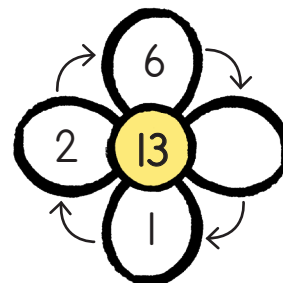
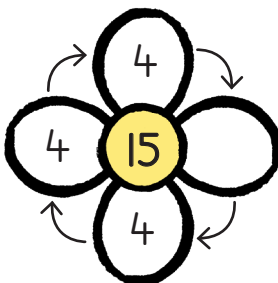
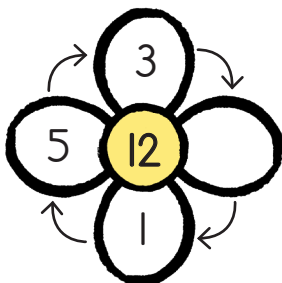
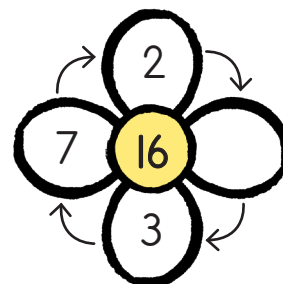
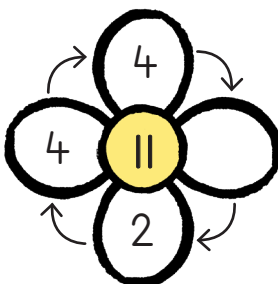
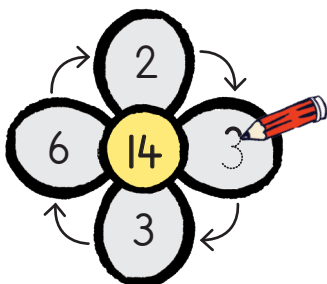
Two friends have cards that add up to the same number. Find the missing number.

6	5	4		3	9		
$\underline{\hspace{1cm}}$	$+$	$\underline{\hspace{1cm}}$	$+$	$\underline{\hspace{1cm}}$	$=$	$\underline{\hspace{1cm}}$	$\underline{\hspace{1cm}}$

3	8	3		7	5		
$\underline{\hspace{1cm}}$	$+$	$\underline{\hspace{1cm}}$	$+$	$\underline{\hspace{1cm}}$	$=$	$\underline{\hspace{1cm}}$	$\underline{\hspace{1cm}}$

3 Bhala inani eliza phambi kwala. Write the number that comes before.	Bhala inani eliza emva kwala. Write the number that comes after.
____ 22 ____ 45 ____ 69 ____ 88	30 ____ 55 ____ 79 ____ 99 ____

4 Fumana inani elishiyiweyo. Inani elisembindini sisiphumo.
 The number in the middle is the total. Find the missing number.



5 Sombulula uze ufakele imibala.
 Solve and colour.

$13 - 0 = \underline{13}$ 	$17 - \underline{\hspace{1cm}} = 7$ 
$11 - 8 = \underline{\hspace{1cm}}$ 	$15 - 3 = \underline{\hspace{1cm}}$ 
$19 - \underline{\hspace{1cm}} = 10$ 	$12 - \underline{\hspace{1cm}} = 7$ 
$11 - 9 = \underline{\hspace{1cm}}$ 	$16 - 8 = \underline{\hspace{1cm}}$ 
$14 - 3 = \underline{\hspace{1cm}}$ 	$12 - \underline{\hspace{1cm}} = 8$ 
$16 - \underline{\hspace{1cm}} = 9$ 	$14 - \underline{\hspace{1cm}} = 8$ 

2

3

4

5

6

7

8

9

10

11

12

13
 

Amanani ukuya kuma-99 - ukubala nokunakana

Numbers up to 99 - counting and recognition

IZIBALO
ZENTLOKO
MENTAL MATHS

UKUBALA
OKUQAKATHAYO
SKIP COUNTING

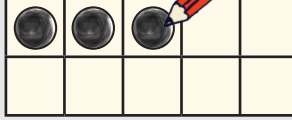
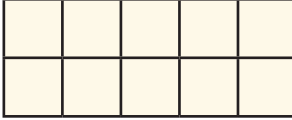
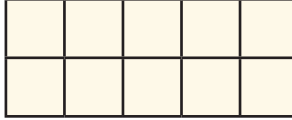
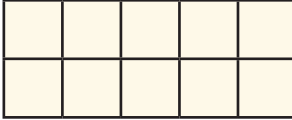
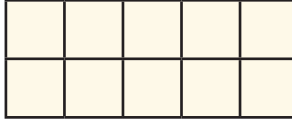
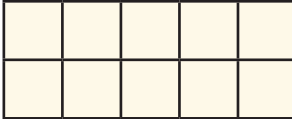
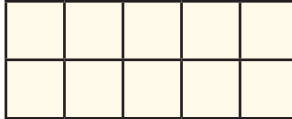
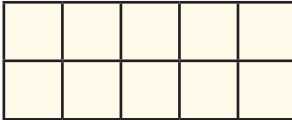
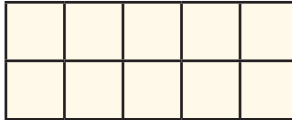
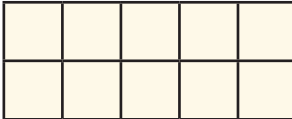
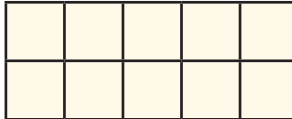
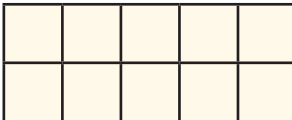
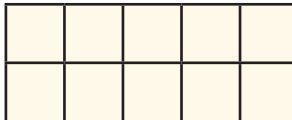
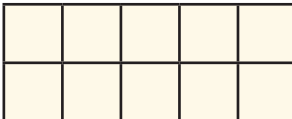
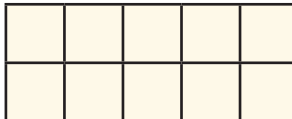
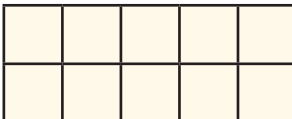
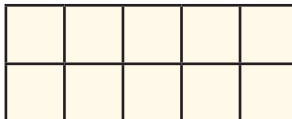
UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

I Bhala isivakalisi manani uze wenze amachokoza kwizakhelo zeshumi ukuze ubonise amanani.

Write a number sentence and draw dots in the ten frames to show the numbers.

13	 $10 + 3$	 
16	 $10 + 6$	 
11		 
15		 
19		 
12		 
17		 
14		 
18		 
20		 

2 Bala uye phambili.

Count forwards.

33	34	35	36						42
----	----	----	----	--	--	--	--	--	----

78	79								
----	----	--	--	--	--	--	--	--	--

20	22	24	26						
----	----	----	----	--	--	--	--	--	--

3 Bala ubuye umva.

Count backwards.

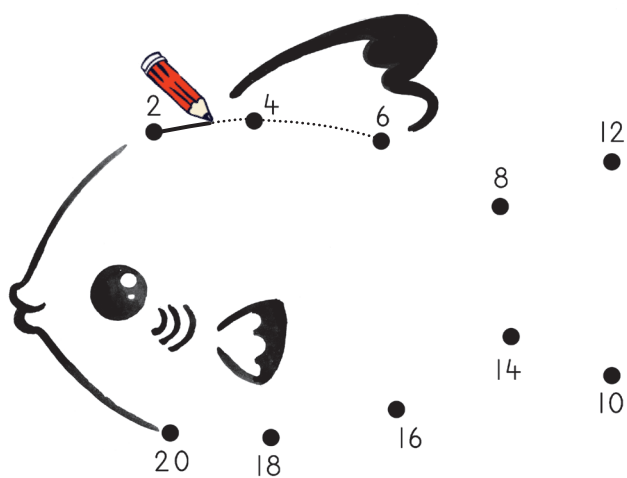
50	49	48	47						
----	----	----	----	--	--	--	--	--	--

26	25								
----	----	--	--	--	--	--	--	--	--

42	40	38	36						
----	----	----	----	--	--	--	--	--	--

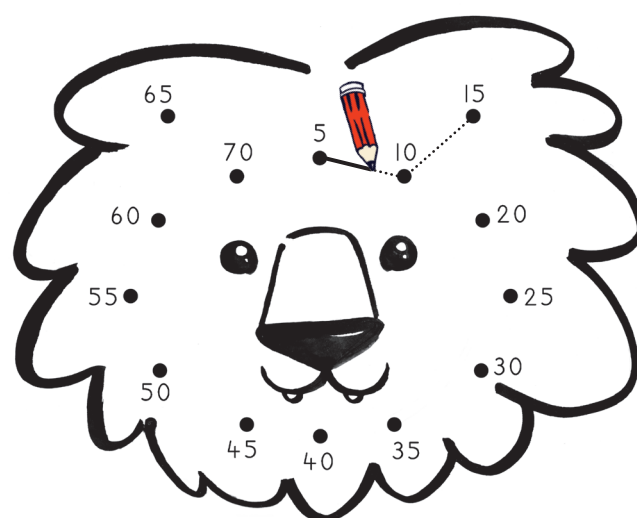
4 Dibanisa amachokoza ngokubala ngezi-2.

Join the dots by counting in 2s.



5 Dibanisa amachokoza ngokubala ngezi-5.

Join the dots by counting in 5s.



Amanani ukuya kuma-99 - ukubala nokunakana

Numbers up to 99 - counting and recognition

IZIBALO
ZENTLOKO
MENTAL MATHS

UKUBALA
OKUQAKATHAYO
SKIP COUNTING

UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Gqibezela ipatheni. Tikisha iibhokisi ezichanekileyo.
Complete the pattern. Tick the correct boxes.

34	36	38	 40	42	44	46	48	50	52
----	----	----	--	----	----	----	----	----	----

Bala usiya phambili Count forwards					Bala ubuya umva Count backwards				
ngoo-1 in 1s			ngezi-2 in 2s			ngezi-5 in 5s			

71	70	69	 68	67	66	65	64	63	62
----	----	----	---	----	----	----	----	----	----

Bala usiya phambili Count forwards					Bala ubuya umva Count backwards				
ngoo-1 in 1s			ngezi-2 in 2s			ngezi-5 in 5s			

45	50								90
----	----	--	--	--	--	--	--	--	----

Bala usiya phambili Count forwards					Bala ubuya umva Count backwards				
ngoo-1 in 1s			ngezi-2 in 2s			ngezi-5 in 5s			

10		30		50					
----	--	----	--	----	--	--	--	--	--

Bala usiya phambili Count forwards					Bala ubuya umva Count backwards				
ngoo-1 in 1s			ngezi-2 in 2s			ngama-10 in 10s			

2 Fakela imibala kumanani akwisikwere se-100.

Colour these numbers on the 100 square.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

kwelingaphezulu nge-10
kunesi-5

10 more than 5

kwelingaphantsi ngesi-5
kunama-50

5 less than 50

kwelingaphezulu ngesi-4
kunama-20

4 more than 20

kweliza emva kwama-41

comes after 41

kwelingaphezulu
nge-10 kunama-66

10 more than 66

kwisi-8 esiphindwe kabini

double 8

kwelingaphezulu ngesi-5
kunama-65

5 more than 65

kwelingaphezulu
ngesi-2 kunama-54

2 more than 54

kwelingaphantsi nge-10
kunama-71

10 less than 71

kweliphakathi kwama-86
nama-88

in between 86 and 88

kweliza emva kwama-25

comes after 25

kwelingaphezulu ngesi-3
kunama-80

3 more than 80

kwelingaphezulu
nge-10 kunama-23

10 more than 23

kweliza phambi kwama-80

comes before 80

kwelingaphantsi ngesi-2
kunama-90

2 less than 90

kweliphakathi kwama-35
nama-37

in between 35 and 37

kwelingaphantsi nge-10
kunama-96

10 less than 96

kwelingaphantsi ngesi-2
kunama-46

2 less than 46

Ukucwangcisa nokuthelekisa amanani

Ordering and comparing numbers

IZIBALO
ZENTLOKO
MENTAL MATHS

UKUBALA
OKUQAKATHAYO
SKIP COUNTING

UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

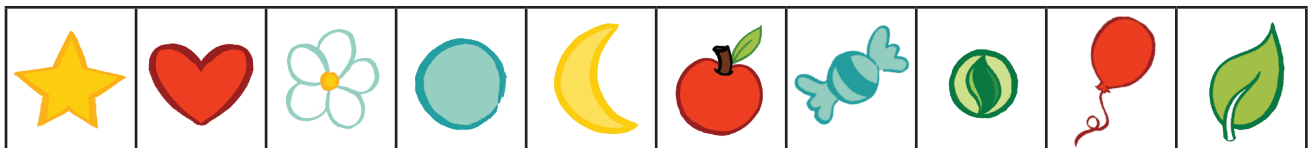
1 Tshatisa.

Match.

Intambo yesiphelo
Finishing line

yesi-2 2 nd	yesi-7 7 th	yesi-4 4 th	ye-10 10 th	yoku-1 1 st	yesi-3 3 rd	yesi-8 8 th	ye-9 9 th	yesi-6 6 th	yesi-5 5 th
---------------------------	---------------------------	---------------------------	---------------------------	---------------------------	---------------------------	---------------------------	-------------------------	---------------------------	---------------------------

2



Zoba imilo esendaweni ...

Draw the shape that is ...

yoku-1 1 st		yesixhenxe seventh	
yethoba ninth		yesi-3 3 rd	
yesi-6 6 th		yesi-5 5 th	
yesine fourth		yesi-8 8 th	
ye-10 10 th		yesibini second	
phambi before		emva after	

3

Biyela ngesangqa ihagu yesithandathu ukusuka ngasekhohlo.

Circle the sixth pig from the left.



Biyela ngesangqa isele lethoba ukusuka ngasekunene.

Circle the ninth frog from the right.



Biyela ngesangqa impuku yesithathu ukusuka ngasekunene.

Circle the third mouse from the right.



Biyela ngesangqa umvundla wesihlanu ukusuka ngasekhohlo.

Circle the fifth rabbit from the left.



Biyela ngesangqa ikati yokuqala ukusuka ngasekhohlo.

Circle the first cat from the left.



Biyela ngesangqa izikhova ezi-4 ukusuka ngasekunene.

Circle 4 owls, starting from the right.



Biyela ngesangqa amabhabhathane asi-7 ukusuka ngasekhohlo.

Circle 7 butterflies, starting from the left.



Biyela ngesangqa iindlulamthi ezi-2 ukusuka ngasekunene.

Circle 2 giraffes, starting from the right.



Biyela ngesangqa amadada ama-4 ukusuka ngasekunene.

Circle 4 swans, starting from the right.



Biyela iingonyama ezisi-8 ukusuka ngasekhohlo.

Circle 8 lions, starting from the left.



Ukucwangcisa nokuthelekisa amanani

Ordering and comparing numbers

IZIBALO
ZENTLOKO
MENTAL MATHS

UKUBALA
OKUQAKATHAYO
SKIP COUNTING

UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

IPHEPHA
LOKUSEBENZELA
WORKSHEET

Umdlalo: Bhingo

Game: Bingo

Vala amehlo uze walathe inani. Khangela ukuba unalo na elo nani kwikhadi lakho leBhingo. Ungaligquma inani ukuba unalo kwibhodi yeBhingo. Ukuba akukho mntu unalo elo nani, uMdlali 2 makakhethe elinye inani.

Close your eyes and point to a number on the 100 square. Cover that number with a counter if you have it on your Bingo board. If neither of you has the number, let Player 2 choose another number.

1

54

2

Ndingagquma ama-54!
I can cover 54!

Andinawo ama-54 ebhodini yam.
I don't have 54 on my board.

3

15

4

Ndingagquma i-15!
I can cover 15!

Nam ndinalo i-15 ebhodini yam.
I also have 15 on my board.

Umntu wokuqala ukugquma onke amanani akwibhodi yeBingo nguyeye ophumeleleyo.

The first person to cover all the numbers on their Bingo board is the winner.

Ibhodi yeBhingo 1

Bingo board 1

33	2	42
64	58	99
14	76	27

Ibhodi yeBhingo 2

Bingo board 2

51	48	23
88	62	15
1	35	74

Ibhodi yeBhingo 3

Bingo board 3

93	15	47
54	6	28
31	67	84

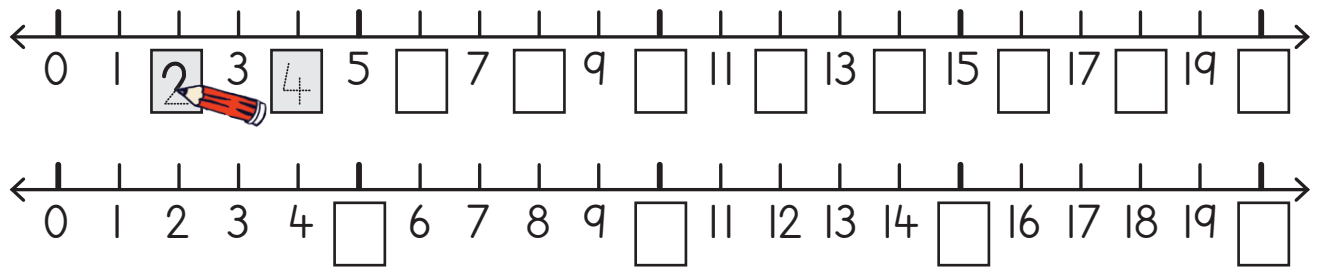
Ibhodi yeBhingo 4

Bingo board 4

39	64	4
76	91	42
21	53	19

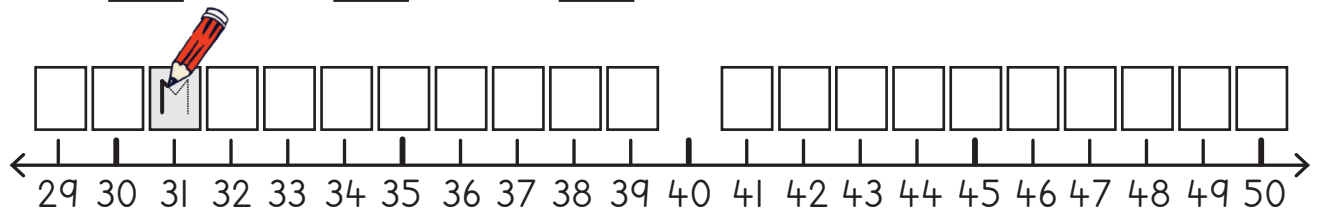
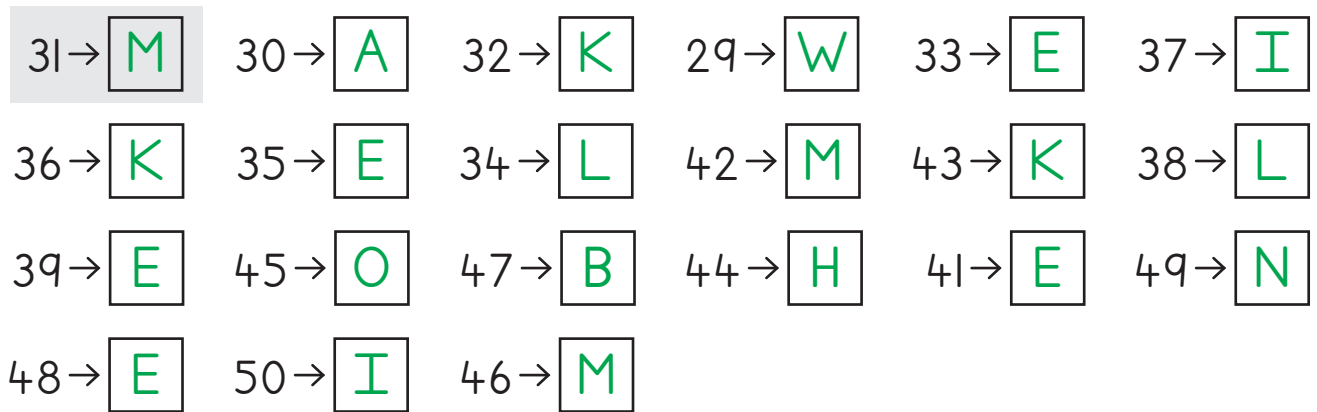
1 Fakela amanani ashiyiweyo kule migcamanani.

Fill in the missing numbers on the number lines.



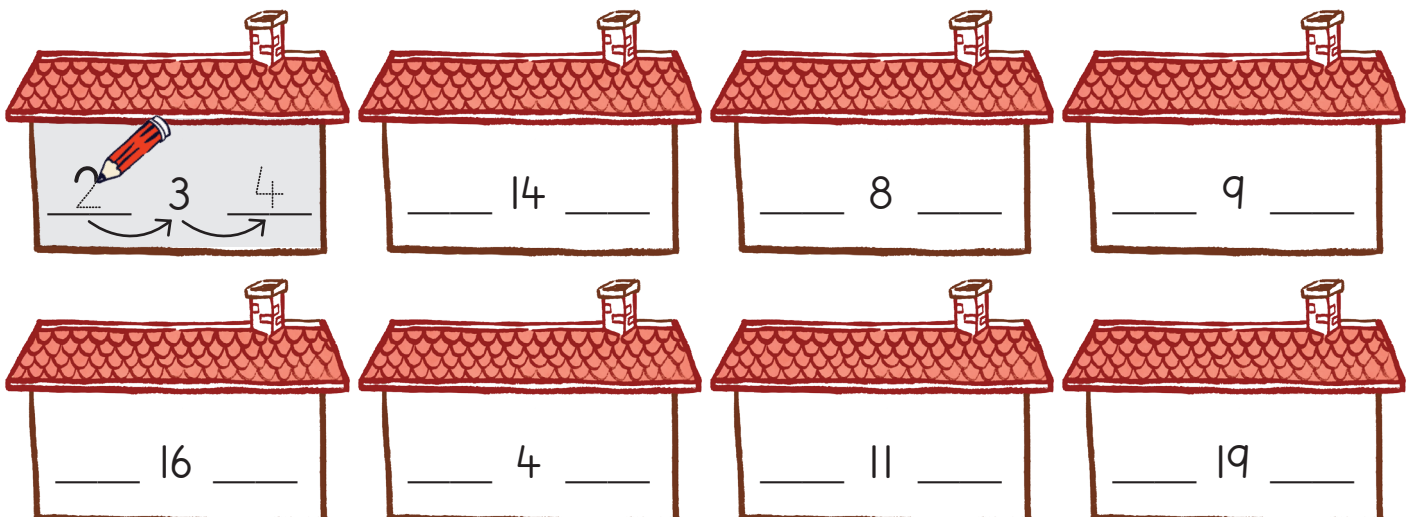
2 Bhala oonobumba abachanekileyo ngentla kwamanani achanekileyo kumgcamanani.

Write the correct letters above the correct numbers on the number line.



3 Bhala inani eliza phambi nasemva kwenani elinikiweyo.

Write the number that comes **before** and **after**.



1

Biyela umvundla wesine ukusuka ngasekunene.

Circle the fourth rabbit from the right.



Biyela impuku yesibini ukusuka ngasekhohlo.

Circle the second mouse from the left.



Biyela oontamonde aba-3 ukusuka ngasekunene.

Circle 3 swans, starting from the right.



Biyela iingonyama ezintandathu uqale ngasekhohlo.

Circle 6 lions, starting from the left.



Biyela isikhova sokuqala ukusuka ngasekunene.

Circle the first owl from the right.



2

Bala uye phambili.

Count forwards.

53	54			57					62
----	----	--	--	----	--	--	--	--	----

56			62	64				72	
----	--	--	----	----	--	--	--	----	--

3

Bala ubuye umva.

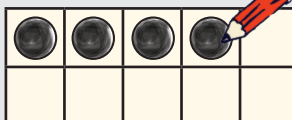
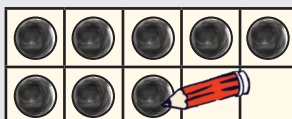
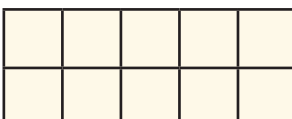
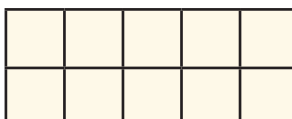
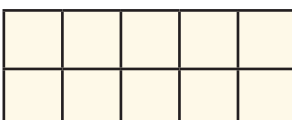
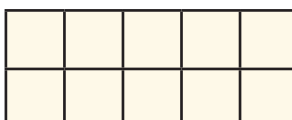
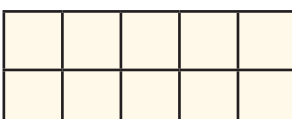
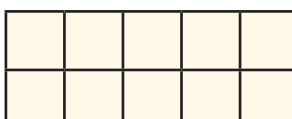
Count backwards.

44	43	42							
----	----	----	--	--	--	--	--	--	--

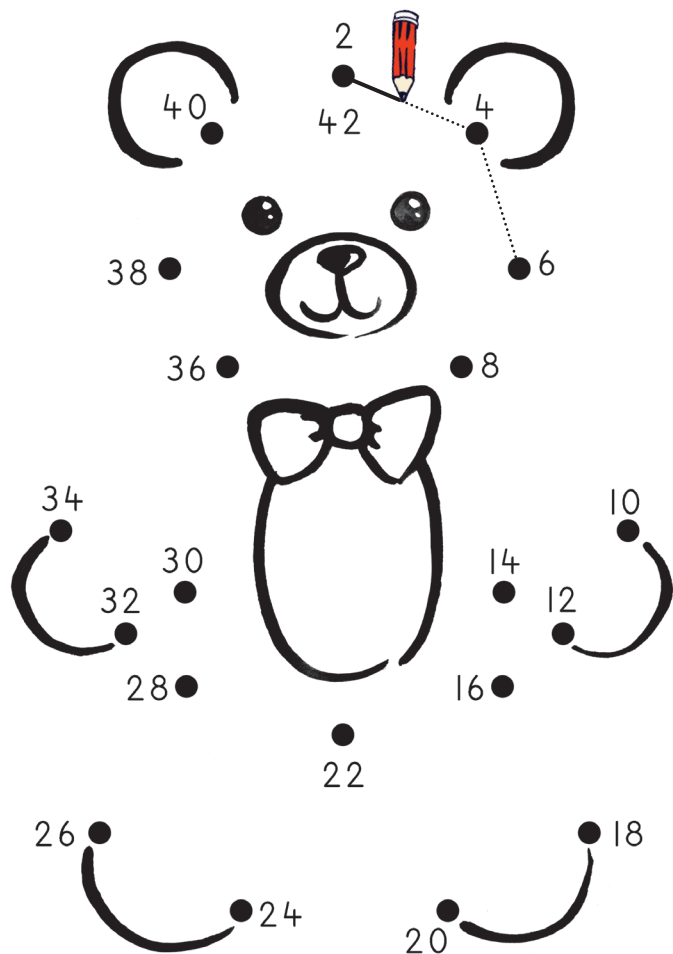
72	71			68					
----	----	--	--	----	--	--	--	--	--

- 4** Bhala isivakalisi manani uze wenze amachokoza kwizakhelo zeshumi ukuze ubonise amanani.

Write the number sentence and draw dots in the ten frames to show the numbers.

14	 $10 + 4$	 
18	 $10 + 8$	 
16		 
11		 
20		 

- 5** Bala ngezi-2 ukuze ugqibezele lo mfanekiso.
Count in 2s to complete the picture.



Ukusebenza ngemali

Working with money

IZIBALO
ZENTLOKO
MENTAL MATHS

1 2 3 VEZA
1, 2, 3 SHOW

UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Fakela umbala kule mali.

Colour in the coins.

Iingqekembe ze-R1 R1 coins	Iingqekembe ze-R2 R2 coins	Iingqekembe ze-R5 R5 coins

2 Krwela umgca otshatisa isixa-mali nomfanekiso.

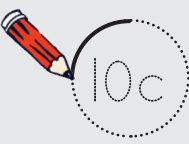
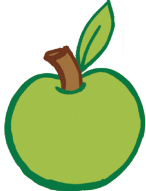
Draw a line from the amount of money to the matching picture.

R10	
50c	
R5	
R1	
20c	

A red pencil icon is shown drawing a line from R10 to the 10 Rand banknote.

3 Zoba iingqekembe ukuze wenze isixa-mali osinikiweyo.

Draw coins to make the amounts.

	20c	 10c 
	30c	 20c 
	40c	
	50c	
	50c	
	R5	
	R10	

Izibalo zemali

Money calculations

IZIBALO
ZENTLOKO
MENTAL MATHS

1 2 3 VEZA
1, 2, 3 SHOW

UMDLALO
GAME

UPHULISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

I Zoba iingqekembe onokuzisebenzisa ukwenza ezi zixa-mali.
Draw coins to make up these amounts.

30c	 10c  10c 	 20c 	
40c			
60c			
80c			
R7	 R2   	 R2 	 R1  R1    
R3			
R16			

2 Yimalini ekhoyo?

How much money is there?

 +  =  <u>R2</u>	 +  =  <u>R10</u>
 +  = _____	 +  = _____
 +  = _____	 +  = _____
 +  +  = _____	 +  +  = _____
 +  +  +  = _____	
 +  +  = _____	

3 Tikisha ukuze ubonise imali efanayo.

Tick to show the same amount.

	 ☐  ☐  ☒  ☐  ☐  ☐
	 ☐  ☐  ☒  ☐  ☐
	 ☐  ☐  ☐
	 ☐  ☐  ☐
	 ☐  ☐  ☐
	 ☐  ☐  ☐

lingxaki zamagama zokudibanisa nokuthabatha (imeko yemali)

Addition and subtraction word problems (money context)

IZIBALO
ZENTLOKO
MENTAL MATHS

1 2 3 VEZA
1, 2, 3 SHOW

UMDLALO
GAME

UPHULISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Uza kubhatala malini?

How much will you pay?

Uyathenga You buy	Uyabhatala You pay
 R10  R5	 $R10 + R5 = R15$
 R7  R10	
 R7  R10	
 R8  R3	
 R12  R7	
 R5  R5  R5	

2 Sebenzisa olu luhlu lwamaxabiso uze ubale itshintshi xa ubhatala nge-R10.

Use the price list to work out the change if you pay with R10.

	50c		R2
	R5		R1

	Ubhatala You pay	Itshintshi Change
	 $R1 + R2 = R3$	 $R10 - R3 = R7$
	_____	_____
	_____	_____

3 Ndithenga iapile le-R2, iorenji ye-R2 kunye nejusi ye-R6. Kufuneka ndibhatale malini?

I buy an apple for R2, an orange for R2 and juice for R6. How much must I pay?



_____ + _____ + _____ = _____

Ndine-R15 aze udadewethu abe ne-R5. Umnakwethu yena une-R1. Yimalini imali yethu idibene?

I have R15 and my sister has R5. My brother has R1. How much money do we have altogether?



_____ + _____ + _____ = _____

IZIBALO
ZENTLOKO
MENTAL MATHS

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CONCEPT DEVELOPMENT

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WORKSHEETS

1 Yimalini itshintshi ukuba ubhatala nge-R20?

How much change will you get if you pay with R20?

Uyathenga You buy	Itshintshi Change
 R5 +  R7 =  R12	 R20 -  R12 = R8
 R10 +  R3 = _____	R20 - _____ = _____
 R8 +  R7 = _____	R20 - _____ = _____
 R10 +  R5 = _____	R20 - _____ = _____
 R15 +  R3 = _____	R20 - _____ = _____
 R12 +  R8 = _____	R20 - _____ = _____
 R13 +  R7 = _____	R20 - _____ = _____

2 Ndinamalini eseleyo?

How much money do I have left over?

Ndine-R10. Ndithenga ijusi ye-R7.

I have R10. I buy juice for R7.

_____ - _____ = _____



Ndine-R15. Ndithenga iorenji ye-R4.

I have R15. I buy an orange for R4.

_____ - _____ = _____



3

	Lithini ixabiso? What is the cost?	Yimalini itshintshi? How much change?
Ndine-R20. Ndithenga ithoyi ye-R6 nencwadi ye-R5. I have R20. I buy a toy for R6 and a book for R5. 	R6 + R5 = R11	R20 - R11 = R9
Ndine-R14. Ndithenga incwadi ye-R5 nebhaluni ye-R4. I have R14. I buy a book for R5 and a balloon for R4. 		
Ndine-R17. Ndithenga ibhola ye-R4 nebhaluni ye-R4. I have R17. I buy a ball for R4 and a balloon for R4. 		

1 Yimalini ekhoyo?

How much money is there?

 +  +  = _____	 +  +  = _____
 +  = _____	 +  = _____
 +  +  +  +  = _____	
 +  +  +  = _____	

2 Sombulula ingxaki ngokubhala isivakalisi manani.

Solve the problem by writing the number sentence.

Ndine-R12 aze udadethu abe ne-R8. Umnakwethu une-R3.
Sinamalini sisonke?

I have R12 and my sister has R8. My brother has R3. How much money do we have altogether?



_____ + _____ + _____ = _____

Ndithenga iapile nge-R7, iorenji nge-R6 nejusi nge-R10.
Kufuneka ndibhatale malini?

I buy an apple for R7, an orange for R6 and juice for R10. How much must I pay?



_____ + _____ + _____ = _____

3

USipho une-R10. Uthenga umbona we-R7. Ufumana itshintshi yamalini?

Sipho has R10. He buys mealies for R7. How much change must he get?



Bhala isivakalisi manani.

Write the number sentence.

4

Une-R10. You have R10.	Ubhatala You pay	Itshintshi Change
 R4  R5	+ =	- =
 R7  R2		
 R5  R1		

5

Dibanisa.

Add.

  R5 + R10 =	  R2 + R1 =
  R10 + R5 =	  R5 + R5 =
  R3 + R2 =	  R5 + R10 =
  R5 + R5 =	  R3 + R2 =

Ukudibanisa nokuthabatha

Addition and subtraction

IZIBALO
ZENTLOKO
MENTAL MATHS

UKUPHINDA
KABINI
DOUBLING

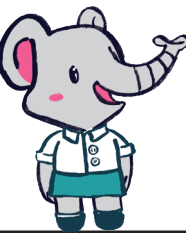
UMDLALO
GAME

UPHULISO
LWENGQIQQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

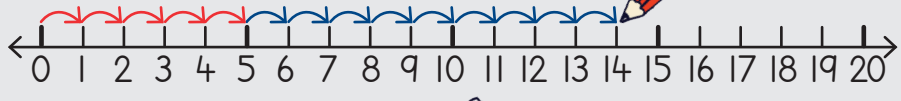
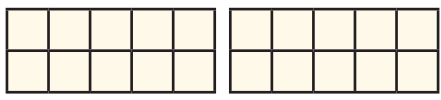
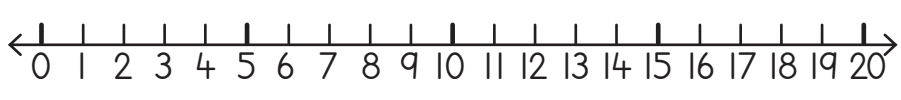
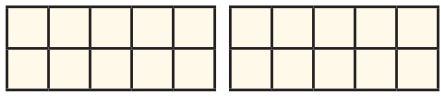
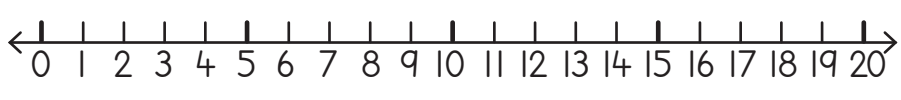
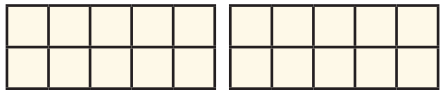
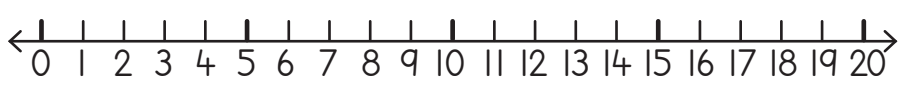
1 Gqibezela itheyibhile. Bhala izivakalisi manani ezine ezahlukileyo.

Complete the table. Write four different number sentences.

 <table border="1" data-bbox="372 630 601 797"><tr><td colspan="2">16</td></tr><tr><td>7</td><td>9</td></tr></table>	16		7 	9	 $\underline{7} + \underline{9} = \underline{16}$ $\underline{9} + \underline{7} = \underline{16}$	 $\underline{16} - \underline{9} = \underline{7}$ $\underline{16} - \underline{7} = \underline{9}$
16						
7 	9					
 <table border="1" data-bbox="372 892 601 1059"><tr><td colspan="2"></td></tr><tr><td>5</td><td>8</td></tr></table>			5	8	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$	$\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
5	8					
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11						
	7					
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8	9					
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6	8					

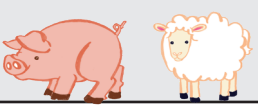
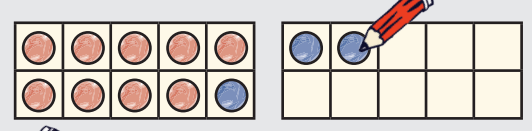
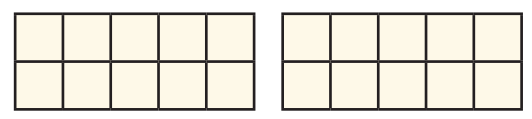
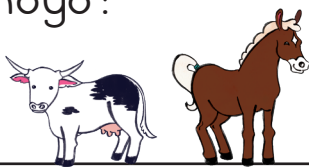
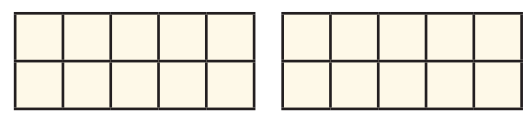
2 Dibanisa uze uthabathe.

Add and subtract.

 $6 + 7 = 13$	 $5 + 9 = 14$
 $17 - 9 = \underline{\quad}$	 $14 - 6 = \underline{\quad}$
 $8 + \underline{\quad} = 12$	 $9 + \underline{\quad} = 18$
 $15 - \underline{\quad} = 8$	 $11 - \underline{\quad} = 4$

3 Sombulula ezi ngxaki.

Solve the problems.

Kukho iihagu ezi-9 neegusha ezi-3. Zingaphi izilwanyana ezikhoyo? There are 9 pigs and 3 sheep. How many animals are there? 	 $9 + 3 = 12$
Kukho iinkuku ezi-6 nemivundla esi-7 efama. Zingaphi izilwanyana ezikhoyo? There are 6 chickens and 7 rabbits on the farm. How many animals are there? 	 $\underline{\quad} + \underline{\quad} = \underline{\quad}$
Kukho izilwanyana ezili-12, ezi-4 kuzo ngamahashe. Ezinye ziinkomo. Zingaphi iinkomo ezikhoyo? There are 12 animals and 4 are horses. The rest are cows. How many cows are there? 	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$

Ukudibanisa nokuthabatha

Addition and subtraction

IZIBALO
ZENTLOKO
MENTAL MATHS

UKUPHINDA
KABINI
DOUBLING

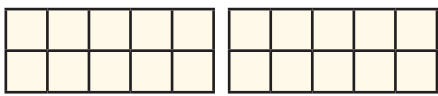
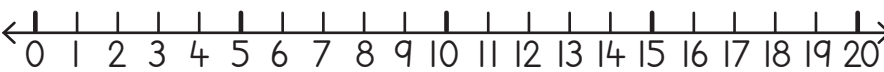
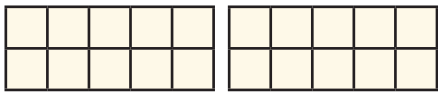
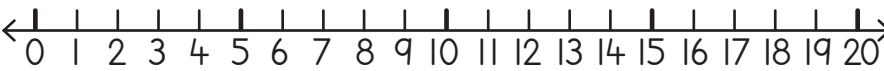
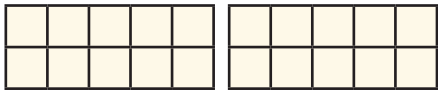
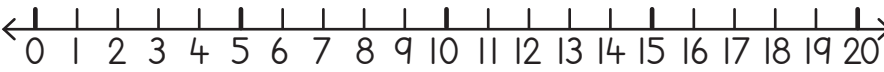
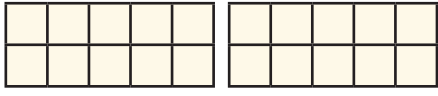
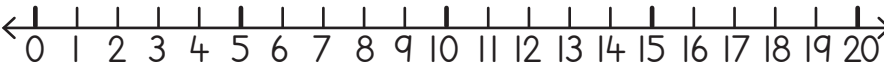
UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

IPHEPHA
LOKUSEBENZELA
WORKSHEET

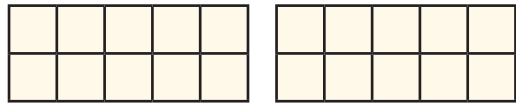
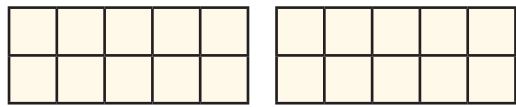
1 Dibanisa uze uthabathe.

Add and subtract.

 $5 + 10 = \underline{\quad}$	 $6 + 11 = \underline{\quad}$
 $20 - 8 = \underline{\quad}$	 $15 - 6 = \underline{\quad}$
 $5 + \underline{\quad} = 11$	 $9 + \underline{\quad} = 13$
 $17 - \underline{\quad} = 8$	 $12 - \underline{\quad} = 6$

2 Sombulula ezi ngxaki.

Solve the problems.

Kukho izikhova ezisi-8 namadada asi-7. Zingaphi iintaka ezikhoyo? There are 8 owls and 7 ducks. How many birds are there? 	 $\underline{\quad} + \underline{\quad} = \underline{\quad}$
Kukho iintyatyambo ezili-13. Iintyatyambo ezisi-8 zipinki. Ezinye zibomvu. Zingaphi iintyatyambo ezibomvu? There are 13 flowers. 8 flowers are pink. The rest are red. How many flowers are red? 	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$

Umdlalo: Uyolo lokudibanisa

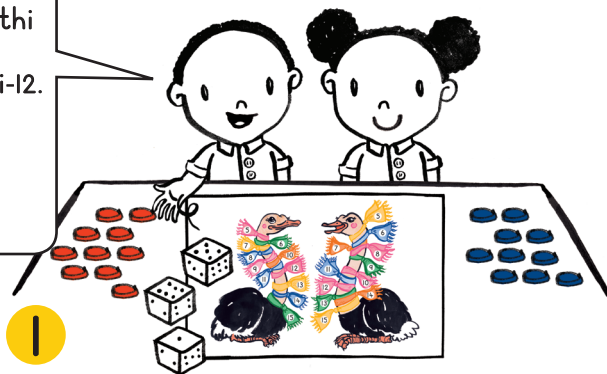
Game: Addition fun

Phosa idayisi uze wenze isivakalisi manani ngamanani owaphosileyo. Sombulula isivakalisi manani. Umntu owagquma kuqala onke amanani akwinciniba yakhe nguye ophumelelayo.

Throw the dice and use the numbers to make a number sentence. Solve the number sentence. The person who covers all the numbers on their ostrich first wins.

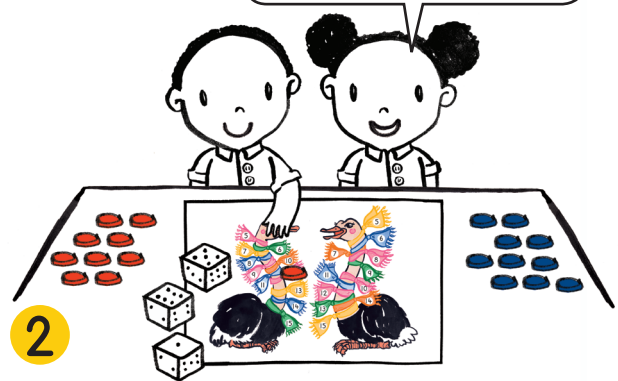
Isivakalisi manani sam sithi $1 + 5 + 6$.
Ndifumana ezili-12.

My number sentence is $1 + 5 + 6$.
I get 12.



Ewe! Ungagquma u-12. Lithuba lam.

Yes! You can cover the 12. My turn.

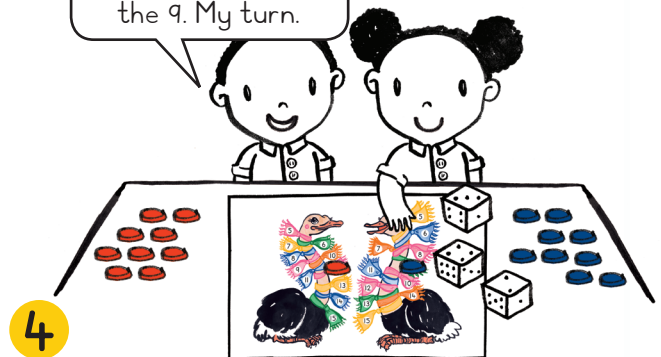


Ndifumana $3 + 2 + 4 = 9$.
I get $3 + 2 + 4 = 9$.



Ewe! Ungagquma u-9. Ndim ke ngoku.

Yes! You can cover the 9. My turn.



lipatheni zamanani kunye neepatheni zejiyometri

Number and geometric patterns

IZIBALO
ZENTLOKO
MENTAL MATHS

UKUPHINDA
KABINI
DOUBLING

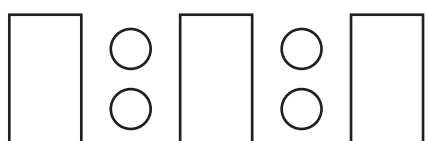
UMDLALO
GAME

UPHULISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
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WORKSHEETS

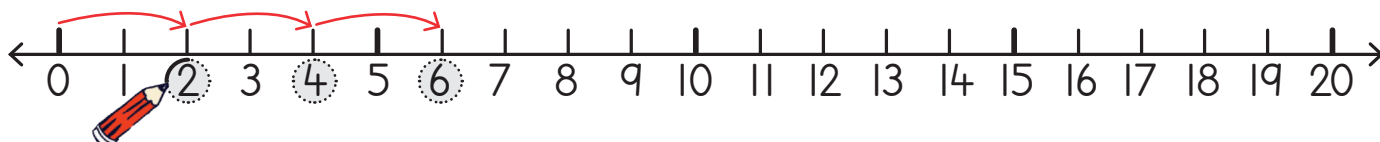
1 Qhubeka neepatheni.

Continue the patterns.



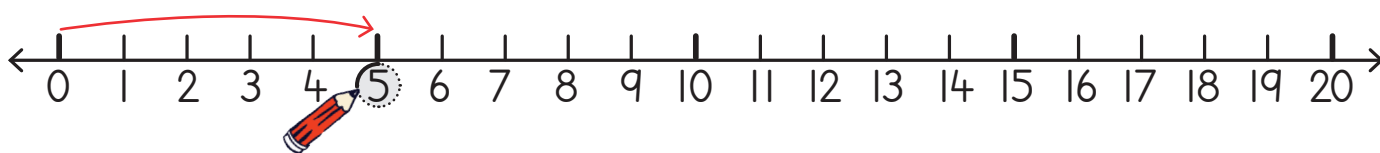
2 Bala ngezi-2. Biyela ngesangqa amanani owabizayo.

Count in 2s. Circle the numbers you say.



Bala ngezi-5. Biyela ngesangqa amanani owabizayo.

Count in 5s. Circle the numbers you say.



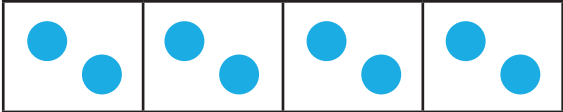
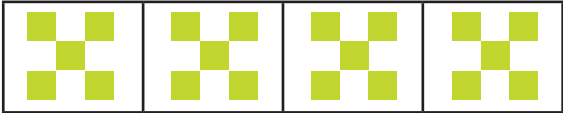
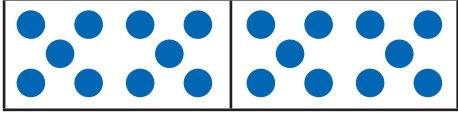
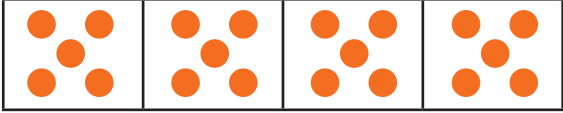
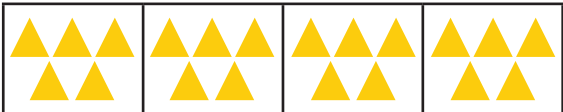
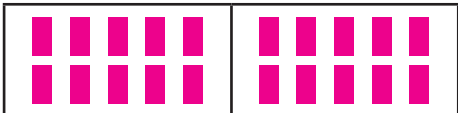
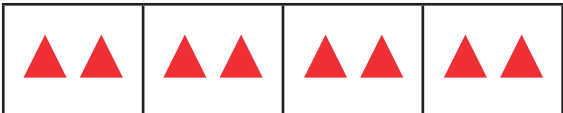
Bala ngama-10. Biyela ngesangqa amanani owabizayo.

Count in 10s. Circle the numbers you say.



3 Bala uze ubhale izivakalisi manani.

Count and write the number sentences.

oonxantathu triangles   <u>2</u> + <u>2</u> + <u>2</u> = <u>6</u>	izangqa circles  <u> </u> + <u> </u> + <u> </u> + <u> </u> = <u> </u>
iingxande rectangles  <u> </u> + <u> </u> + <u> </u> = <u> </u>	izikwere squares  <u> </u> + <u> </u> + <u> </u> + <u> </u> = <u> </u>
izangqa circles  <u> </u> + <u> </u> = <u> </u>	izangqa circles  <u> </u> + <u> </u> + <u> </u> + <u> </u> = <u> </u>
izikwere squares  <u> </u> + <u> </u> + <u> </u> = <u> </u>	oonxantathu triangles  <u> </u> + <u> </u> + <u> </u> + <u> </u> = <u> </u>
iingxande rectangles  <u> </u> + <u> </u> = <u> </u>	oonxantathu triangles  <u> </u> + <u> </u> + <u> </u> + <u> </u> = <u> </u>

Ipatheni zamanani

Number patterns

IZIBALO
ZENTLOKO
MENTAL MATHS

UKUPHINDA
KABINI
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OKUSEBENZELA
WORKSHEETS

I Gqibezela ipatheni. Tikisha ibhokisi echanekileyo.

Complete the pattern. Tick the correct boxes.

72	74	 76	78		82				90
----	----	--	----	--	----	--	--	--	----

Bala usiya phambili Count forwards			 ☒			Bala ubuya umva Count backwards			☐		
ngoo-1 in 1s			☐	ngezi-2 in 2s			 ☒	ngezi-5 in 5s			☐

29		27					22		
----	--	----	--	--	--	--	----	--	--

Bala usiya phambili Count forwards			☐	Bala ubuya umva Count backwards			☐				
ngoo-1 in 1s			☐	ngezi-2 in 2s			☐	ngezi-5 in 5s			☐

15		25					50		
----	--	----	--	--	--	--	----	--	--

Bala usiya phambili Count forwards			☐	Bala ubuya umva Count backwards			☐				
ngoo-1 in 1s			☐	ngezi-2 in 2s			☐	ngezi-5 in 5s			☐

		30		50		70			
--	--	----	--	----	--	----	--	--	--

Bala usiya phambili Count forwards			☐	Bala ubuya umva Count backwards			☐				
ngoo-1 in 1s			☐	ngezi-2 in 2s			☐	ngama-10 in 10s			☐

2 Gqibezela ipatheni. Tikisha ibhokisi echanekileyo.

Complete the pattern. Tick the correct boxes.

48	50	52	54	56	58	60	62	64	66
Bala usiya phambili Count forwards					Bala ubuya umva Count backwards				
ngoo-1 in 1s			ngezi-2 in 2s			ngezi-5 in 5s			

13		15							22
----	--	----	--	--	--	--	--	--	----

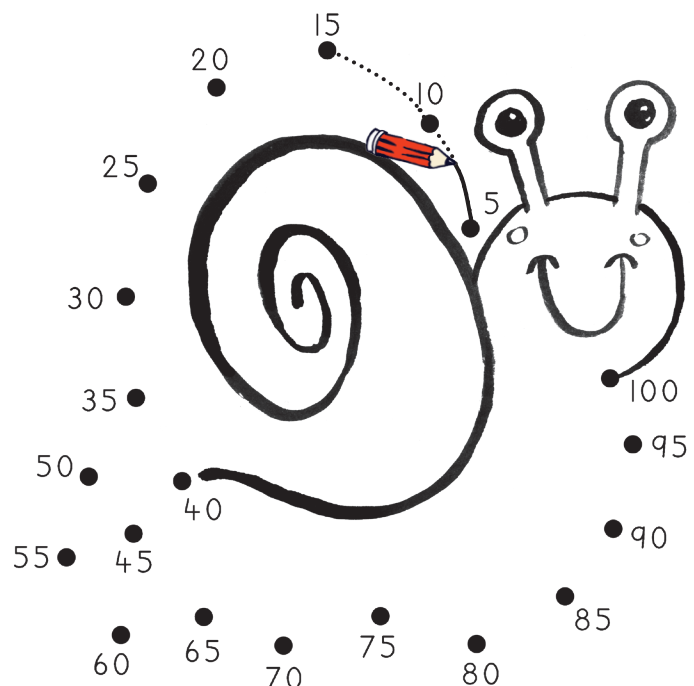
Bala usiya phambili Count forwards					Bala ubuya umva Count backwards				
ngoo-1 in 1s			ngezi-2 in 2s			ngezi-5 in 5s			

		40	45			60			
--	--	----	----	--	--	----	--	--	--

Bala usiya phambili Count forwards					Bala ubuya umva Count backwards				
ngoo-1 in 1s			ngezi-2 in 2s			ngezi-5 in 5s			

3 Dibanisa amachokoza ngokubala ngezi-5.

Join the dots by counting in 5s.



- 1 Qwalasela ipikthografu engenani lamapetyu abaliweyo engxoweni. Xoxa neqabane lakho.

Study the pictograph about the number of marbles that have been counted in a bag.
Discuss it with your partner.

Imibala yamapetyu

Marble colours

				
				
				
				
				
				
				
abomvu red	amthubi yellow	aluhlaza green	azuba blue	amhlophe white

Isikhokelo
Key
 = 1

- 2 Gqibezela iipatheni. Tikisha iibhokisi ezichanekileyo.

Complete the patterns. Tick the correct boxes.

	40	45	50					75	
--	----	----	----	--	--	--	--	----	--

Bala uye phambili Count forwards					Bala ubuye umva Count backwards				
ngoo-1 in 1s			ngoo-2 in 2s			ngoo-5 in 5s			

46	44			38	36	34			
----	----	--	--	----	----	----	--	--	--

Bala uye phambili Count forwards					Bala ubuye umva Count backwards				
ngoo-1 in 1s			ngoo-2 in 2s			ngoo-5 in 5s			

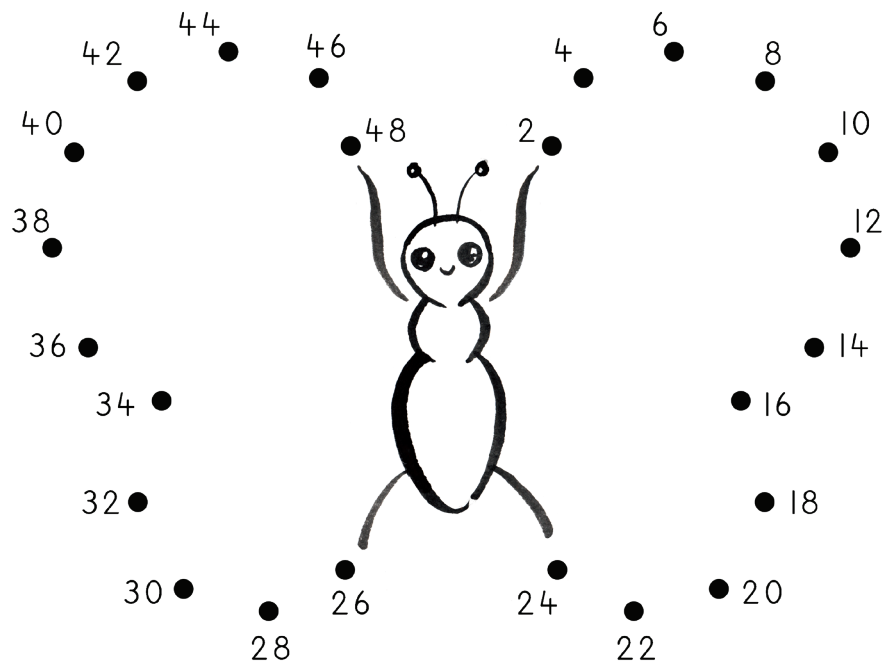
3 Gqibezela itheyibhile. Bhala izivakalisi manani ezine ezahlukileyo.

Complete the table. Write four different number sentences.

	<table><tr><td colspan="2">12</td></tr><tr><td>5</td><td></td></tr></table>	12		5		$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$	$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$
12							
5							
	<table><tr><td colspan="2"></td></tr><tr><td>4</td><td>7</td></tr></table>			4	7	$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$	$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$
4	7						
	<table><tr><td colspan="2">14</td></tr><tr><td></td><td>8</td></tr></table>	14			8	$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$	$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$
14							
	8						
	<table><tr><td colspan="2"></td></tr><tr><td>9</td><td>8</td></tr></table>			9	8	$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$	$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$
9	8						

4 Dibanisa amachokoza ngokubala ngezi-2.

Count in 2s and join the dots.



IZIBALO
ZENTLOKO
MENTAL MATHS

IMISEBENZI
YEXESHA
TIME ACTIVITIES

UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Jonga imifanekiso. Ingaba kusemini okanye kusebusuku?
Phawula ibhokisi uze ukhuphele igama.

Look at the pictures. Is it day or night? Tick the box and trace the word.

			
 imini day ☐	 ubusuku night ☐	 imini day ☐	 ubusuku night ☐
			
 imini day ☐	 ubusuku night ☐	 imini day ☐	 ubusuku night ☐
			
 imini day ☐	 ubusuku night ☐	 imini day ☐	 ubusuku night ☐

2 Zoba into:

Draw something:

oyenze izolo.
you did yesterday.

oyenzayo namhlanje.
you are doing today.

oza kuyenza ngomso.
you will do tomorrow.

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OKUSEBENZELA
WORKSHEETS

1 Khuphela iinyanga zonyaka. Fakela umbala kwinyanga ozalwa ngayo.

Trace the months of the year. Colour in your birthday month.

eyoMqungu January		eyoMdumba February	
eyoKwindla March		ekaTshazimpuzi April	
ekaCanzibe May		eyeSilimela June	
eyeKhala July		eyeThupha August	
eyoMsintsi September		eyeDwarha October	
eyeNkanga November		eyoMnga December	

2 Khuphela iintsuku zeveki. Thetha nomhlobo wakho mayela nokwenziwa ngabantwana.

Trace the days of the week. Talk to your friend about what the children are doing.

UMvulo Monday 	ULwesibini Tuesday 
ULwesithathu Wednesday 	ULwesine Thursday 
ULwesihlanu Friday 	UMgqibelo Saturday 
ICawa Sunday 	

IZIBALO
ZENTLOKO
MENTAL MATHS

IMISEBENZI
YEXESHA
TIME ACTIVITIES

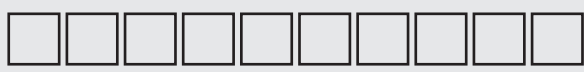
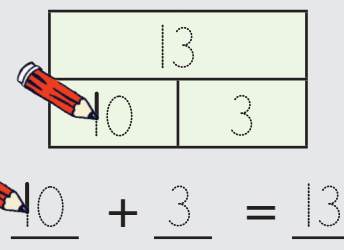
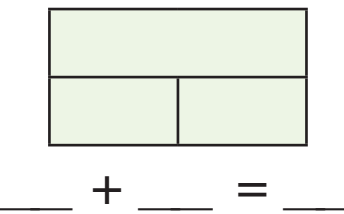
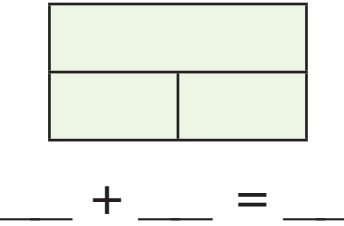
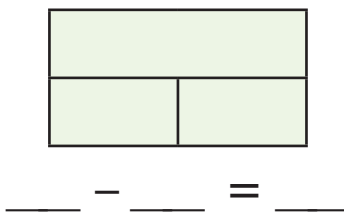
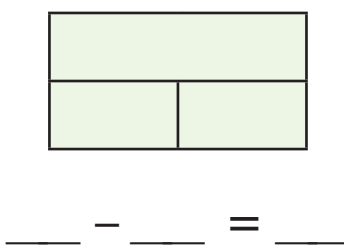
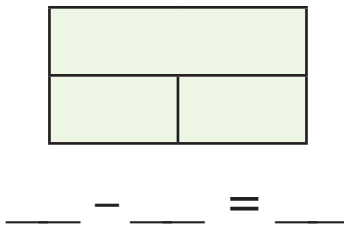
UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
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WORKSHEETS

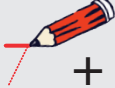
1 Sombulula iingxaki zamagama.

Solve the word problems.

 izikwere ezili-10 10 squares Zingaphi iimilo? How many shapes are there?	 oonxantathu aba-3 3 triangles	
Kukho iinyosi ezi-4 neenkumba ezisi-7 egadini. Zingaphi izidalwa ezisegadini? There are 4 bees and 7 snails in the garden. How many creatures are there in the garden?		
Kukho iinkumba ezi-6 neembovane ezi-5 egadini. Zingaphi izidalwa ezisegadini? There are 6 snails and 5 ants in the garden. How many creatures are there in the garden?		
Kukho iinyosi ezili-13 egadini. Ezisi-7 zibhabhe zemka. Zingaphi iinyosi ezishiyekileyo? There are 13 bees. 7 fly away. How many bees are left?		
Kukho iinkumba ezili-16 neenyosi ezi-9 egadini. Yintoni umahluko phakathi kwenani leenkumba nenani leenyosi? There are 16 snails and 9 bees in the garden. What is the difference between the number of snails and the number of bees?		
Kukho iimbovane ezili-18 egqabini. Iimbovane ezili-9 ziyokufuna ukutya. Zingaphi iimbovane ezishiyekileyo egqabini? There are 18 ants on the leaf. 9 ants go to find food. How many ants are left on the leaf?		

2 Balisela iqabane lakho ibali lokudibanisa lamapetyu. Bhala isivakalisi manani.

Tell your partner an addition story about the marbles. Write the number sentence.

	Isivakalisi manani Number sentence
 Ndinamapetyu abomvu asi-7 namapetyu azuba asi-8. Mangaphi amapetyu endinawo ewonke? I have 7 red marbles and 8 blue marbles. How many marbles do I have altogether?	 $\underline{\quad} + \underline{8} = \underline{15}$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
	$\underline{\quad} + \underline{\quad} = \underline{\quad}$

3 Balisela iqabane lakho ibali lokuthabatha ngamapetyu. Bhala isivakalisi manani.

Tell your partner a subtraction story about the marbles. Write the number sentence.

	Isivakalisi manani Number sentence
 Bendinamapetyu ali-11. Ndiphe umhlobo wam ama-5. Mangaphi amapetyu endinawo aseleyo? I had 11 marbles. I gave 5 to my friend. How many marbles do I have left?	 $\underline{11} - \underline{5} = \underline{6}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$
	$\underline{\quad} - \underline{\quad} = \underline{\quad}$

IZIBALO
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MENTAL MATHS

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CONCEPT DEVELOPMENT

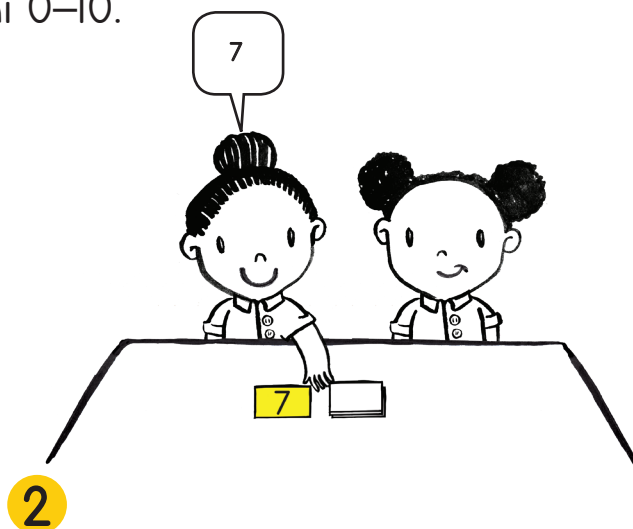
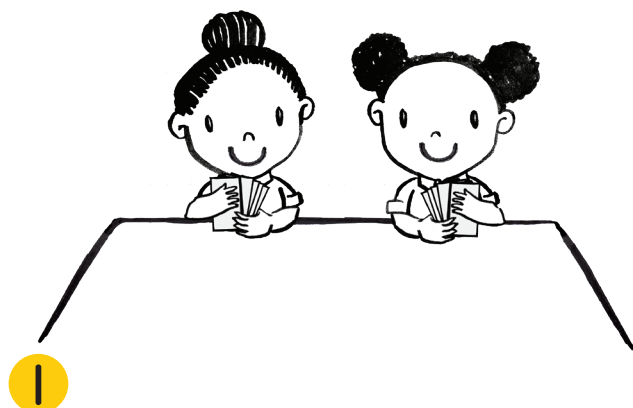
IPHEPHA
LOKUSEBENZELA
WORKSHEET

Umdlalo: Yenza inani lam!

Game: Make my number!

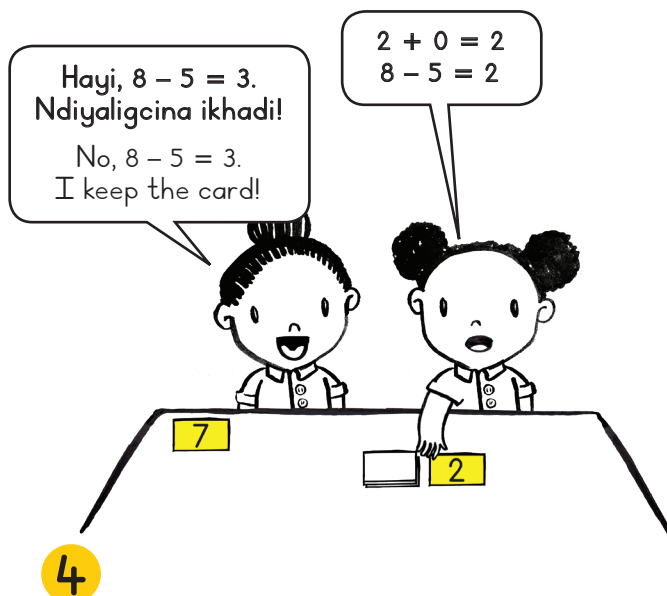
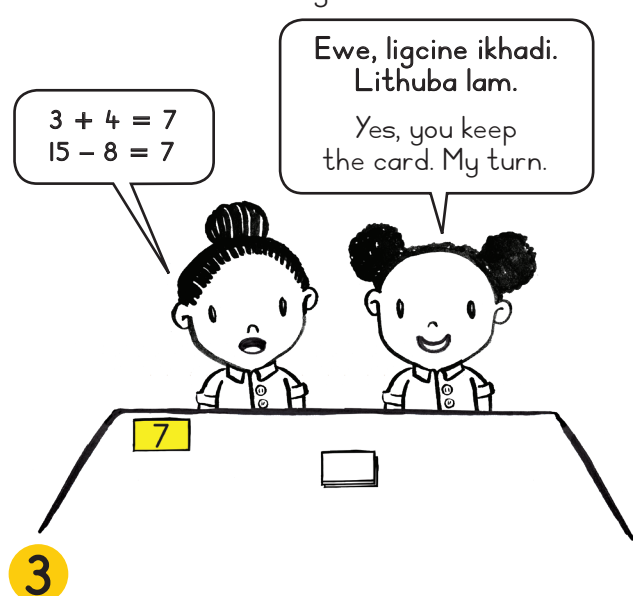
Dlalani ngamakhadi enu amanani 0–10.

Play with your 0–10 number cards.



Xa uthathe ikhadi, yenza isivakalisi manani sokudibanisa nesinye isivakalisi sokuthabatha esilingana inani elikwikhadi lakho.

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

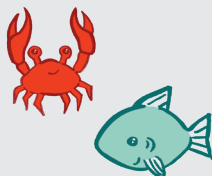
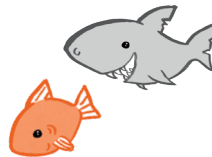
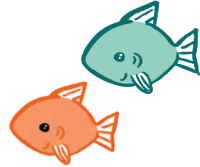


Qhuba ade asetenziswe onke amakhadi. Umdlali onamakhadi amaninzi nguye ophumeleleyo.

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

Sombulula iingxaki zamagama. Bhala amanani kwitheyibhile yamanani.

Solve the word problems. Write the numbers in the number table.

Kukho oononkala abali-11 neentlanzi ezisi-7. Zingaphi izidalwa ezikhoyo zizonke? There are 11 crabs and 7 fish. How many creatures are there altogether? 	<table border="1"><tr><td colspan="2">18</td></tr><tr><td>11</td><td>7</td></tr></table>  <u>11</u> + <u>7</u> = <u>18</u>	18		11	7
18					
11	7				
Kukho ookrebe aba-3 neentlanzi ezi-9. Zingaphi iintlanzi? There are 3 sharks and 9 fish. How many are there altogether? 	<table border="1"><tr><td colspan="2"></td></tr><tr><td></td><td></td></tr></table> <u> </u> + <u> </u> = <u> </u>				
Kukho iintlanzi ezili-16. Ezisi-7 zidade zemka. Zingaphi iintlanzi eziseleyo? There are 16 fish. 7 fish swim away. How many fish are left? 	<table border="1"><tr><td colspan="2">16</td></tr><tr><td>7</td><td>9</td></tr></table>  <u>16</u> - <u>7</u> = <u>9</u>	16		7	9
16					
7	9				
Kukho iminenga eli-11. Emi-6 idade yemka. Mingaphi iminenga eseleyo? There are 11 whales. 6 swim away. How many whales are left? 	<table border="1"><tr><td colspan="2"></td></tr><tr><td></td><td></td></tr></table> <u> </u> - <u> </u> = <u> </u>				
Kukho iintlanzi ezizuba ezili-14 neentlanzi eziorenji ezisi-7. Yintoni umahluko phakathi kwenani leentlanzi ezizuba nenani leentlanzi eziorenji? There are 14 blue fish and 7 orange fish. What is the difference between the number of blue fish and the number of orange fish? 	<table border="1"><tr><td colspan="2"></td></tr><tr><td></td><td></td></tr></table> <u> </u> - <u> </u> = <u> </u>				
ULwandile unoonokrwece abangama-20. Uphe umhlobo wakhe oonokrwece abali-10. Bangaphi oonokrwece abashiyekileyo? Lwandile has 20 shells. She gives 10 shells to her friend. How many shells are left? 	<table border="1"><tr><td colspan="2"></td></tr><tr><td></td><td></td></tr></table> <u> </u> - <u> </u> = <u> </u>				

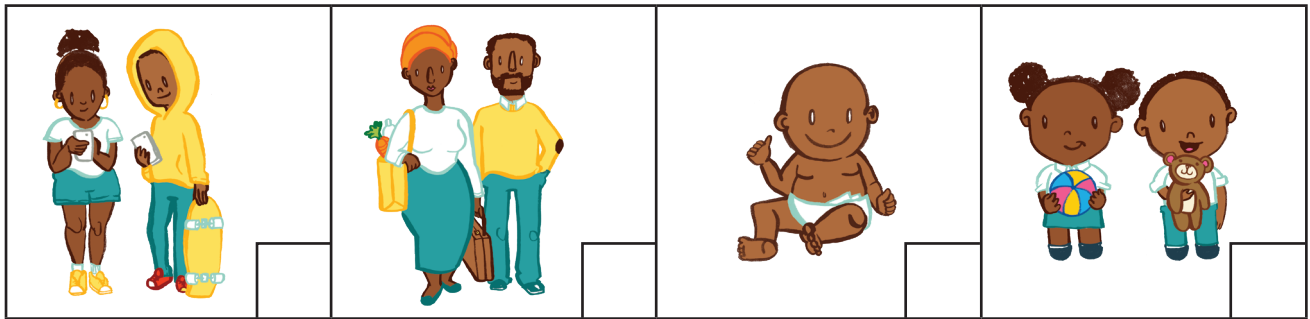
- 1 Thetha nomhlobo wakho ngento eqhubekayo kumfanekiso ngamnye. Tikisha imisebenzi ethatha ixesha elide uze ufake unonxa kwimisebenzi ethatha ixesha elifutshane.

Talk to your friend about what is happening in each picture. Tick the activities that take a longer time and cross the activities that take a shorter time.

	
Ukuya esikolweni ngeenyawo. Walking to school.	Ukuya esikolweni ngesithuthi. Driving to school.
	
Ukwenza isonka esimnandi. Making a sandwich.	Ukubhaka ikeyiki. Making a cake.
	
Ukusebenza esikolweni. Working at school.	Ukudlala umdlalo wesoka. Playing a game of soccer.
	
Ukupeyinta indlu. Painting a house.	Ukupeyinta umfanekiso. Painting a picture.

2 Bhala amanani 1-4 kwezi bloko ukuze ubonise amanqanaba okukhula komntu.

Write the numbers 1-4 in the blocks to show the order in which a person grows.



Phawula ubonise ukuba yeyiphi oyenza ngokukhawuleza.

Tick to say which you would do fastest.



3 Sombulula iingxaki zamagama. Bhala amanani kwitheyibhile yamanani.

Solve the word problems. Write the numbers in the number table.

Kukho iintyatyambo ezimthubi ezi-9 neentyatyambo ezipinki ezi-2. Zingaphi iintyatyambo ezikhoyo zizonke? There are 9 yellow flowers and 2 pink flowers. How many flowers are there altogether?	 $\underline{\quad} + \underline{\quad} = \underline{\quad}$
Kukho iintyatyambo ezili-13 eziorenji. Kukho iintyatyambo ezizuba ezi-6. Zingaphi iintyatyambo ezikhoyo zizonke? There are 13 orange flowers. There are 6 blue flowers. How many flowers are there altogether?	 $\underline{\quad} + \underline{\quad} = \underline{\quad}$
Kukho iintyatyambo ezili-15. Ndiphe umama ezili-10. Zingaphi iintyatyambo ezishiyelekileyo? There are 15 flowers. I give 10 to my mom. How many flowers are left?	 $\underline{\quad} - \underline{\quad} = \underline{\quad}$

IZIBALO
ZENTLOKO
MENTAL MATHS

FIZZ POP -
UKUPHINDA KABINI
FIZZ POP - DOUBLING

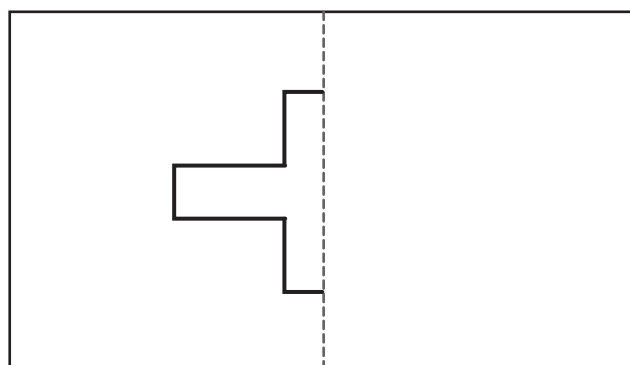
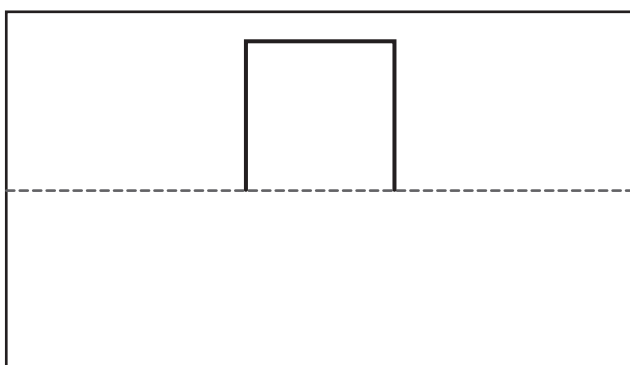
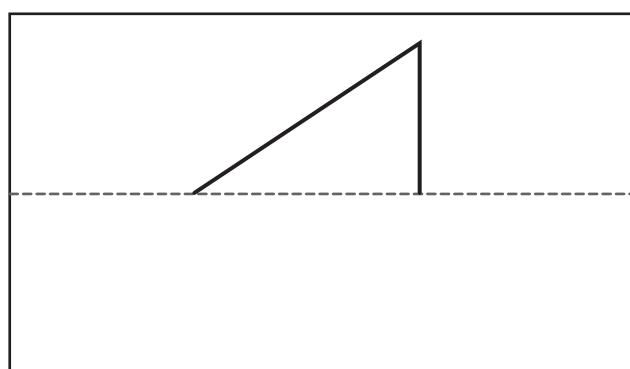
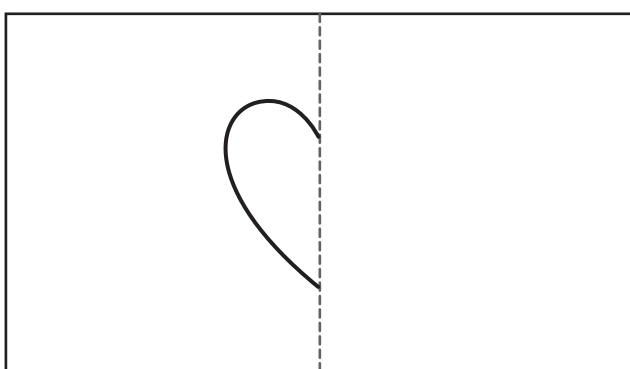
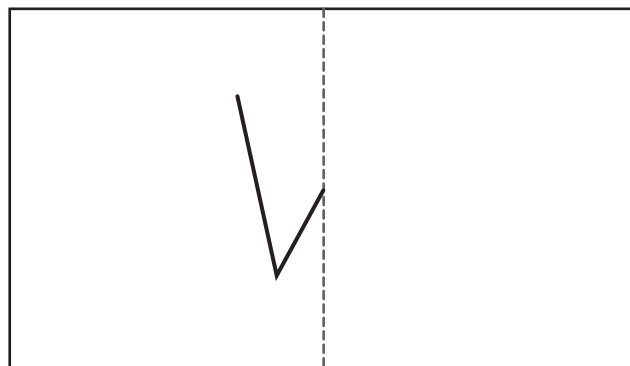
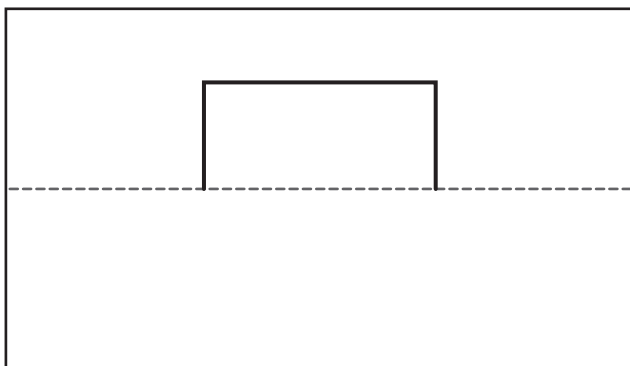
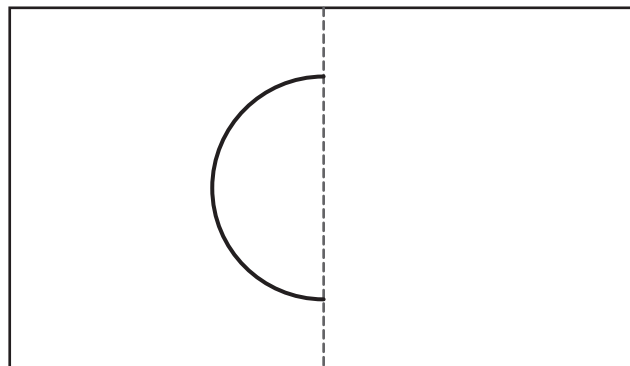
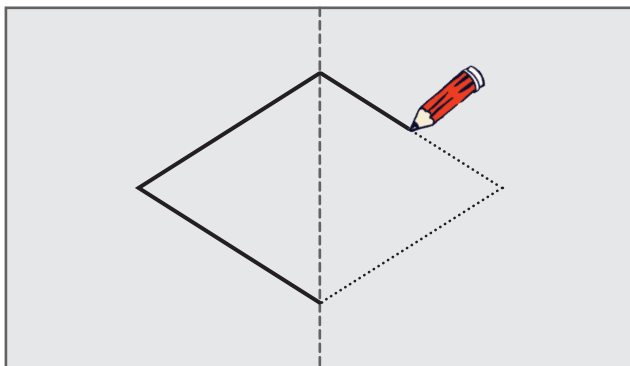
UMDLALO
GAME

UPHUHLISO
LWENGQIQO
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AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

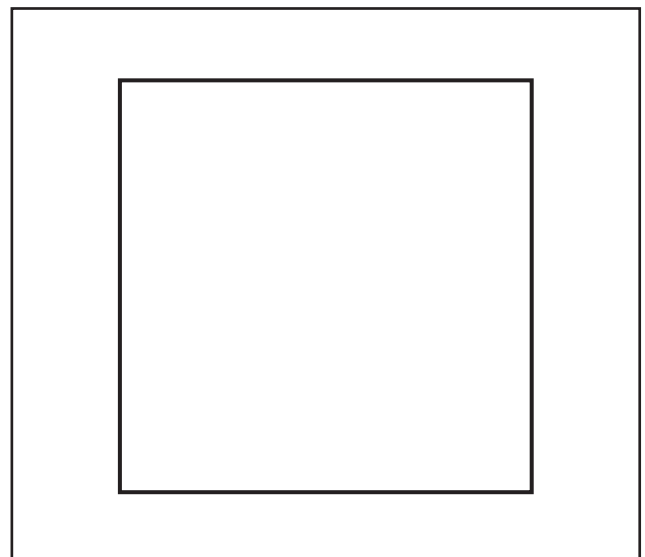
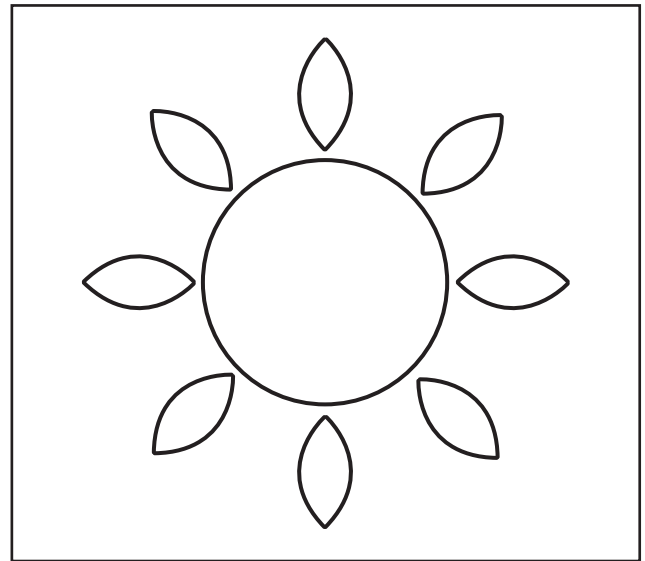
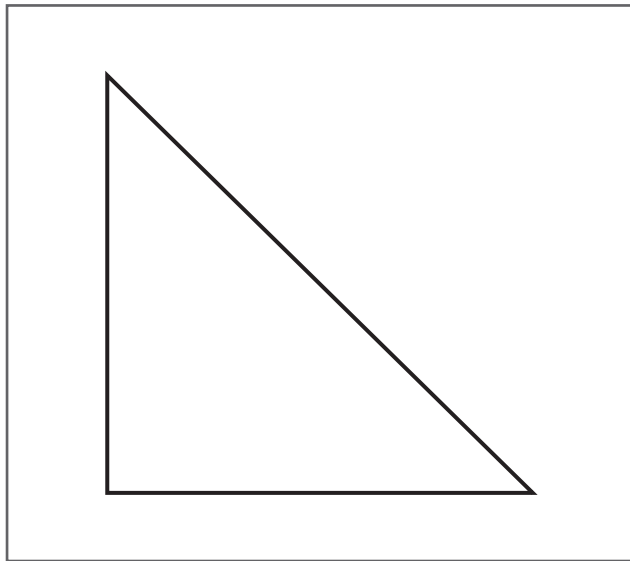
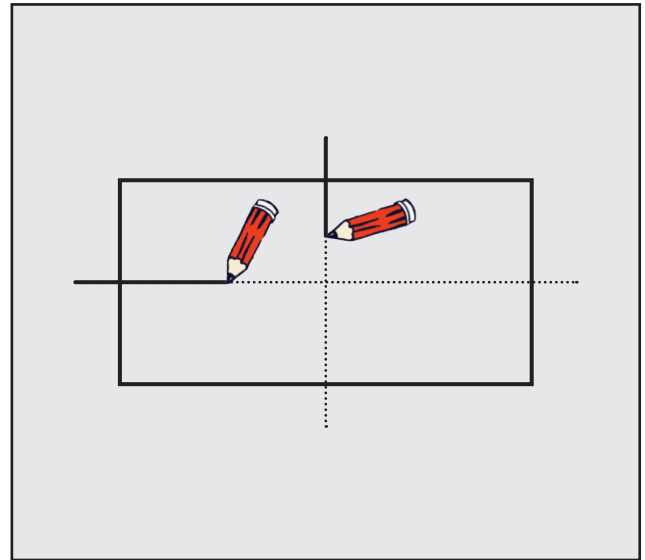
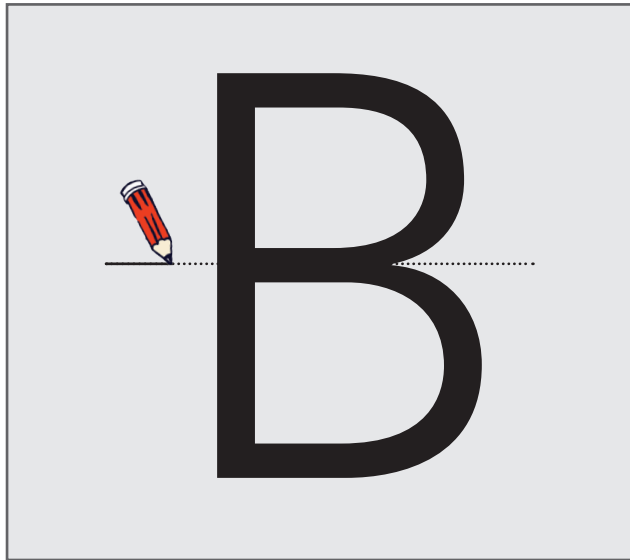
1 Zoba esinye isiqingatha semilo.

Draw the other half of these shapes.



2 Krwela imigca yolinganomacala.

Draw the lines of symmetry.



IZIBALO
ZENTLOKO
MENTAL MATHS

FIZZ POP -
UKUPHINDA KABINI
FIZZ POP - DOUBLING

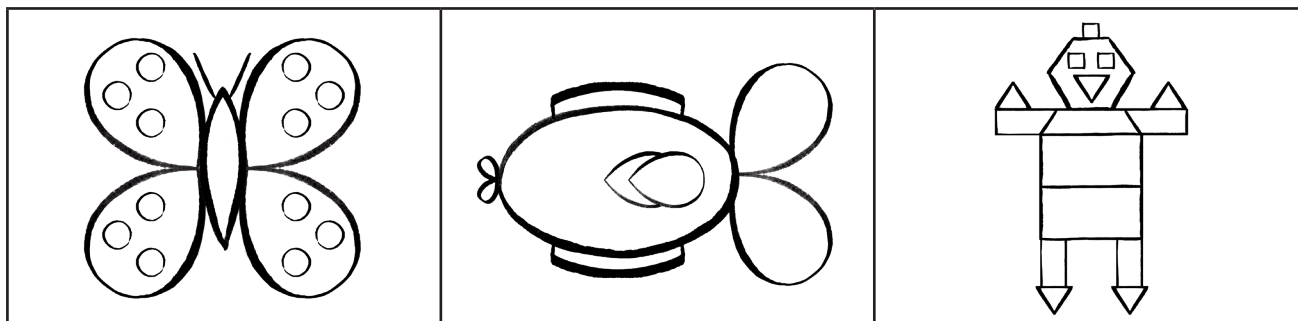
UMDLALO
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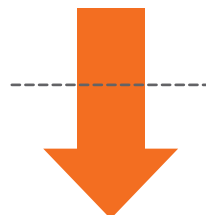
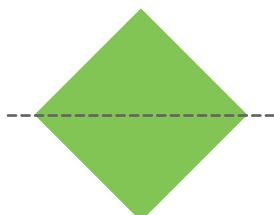
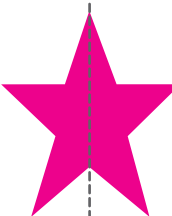
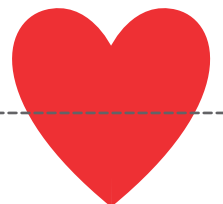
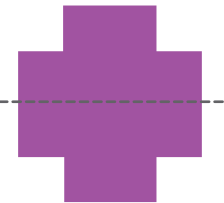
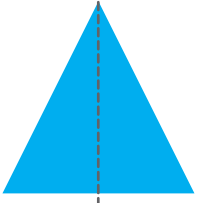
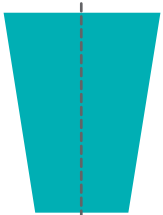
- 1 Fakela imibala kula machokoza ukuze imizobo ifane twatse.
Colour the dots to make the drawing symmetrical.

- 2 Krwela umgca wolinganomacala kumfanekiso ngamnye.
Draw a line of symmetry for each picture.



3 Ingaba umgca onamachokoza ngumgca wolinganomacala? Phawula (✓) u-ewe okanye u-hayi.

Is the dotted line a line of symmetry? Tick (✓) yes or no.

							
ewe yes		hayi no		ewe yes		hayi no	
							
ewe yes		hayi no		ewe yes		hayi no	
							
ewe yes		hayi no		ewe yes		hayi no	
							
ewe yes		hayi no		ewe yes		hayi no	
							
ewe yes		hayi no		ewe yes		hayi no	

Ukuphinda kabini nokwahlula kubini

Doubling and halving

IZIBALO
ZENTLOKO
MENTAL MATHS

FIZZ POP -
UKUPHINDA KABINI
FIZZ POP - DOUBLING

UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Dibanisa.

Add.

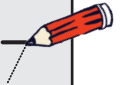
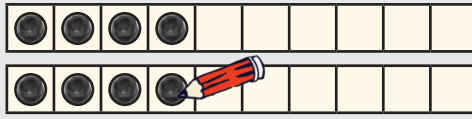
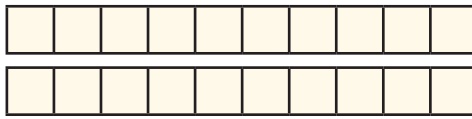
Bhala iziphindwa kabini.

Write the doubles.

$2 + 2 =$		Ezi-2 eziphindwe ka-2 zenza Double 2 is	
$6 + 6 =$		Ezi-6 eziphindwe ka-2 zenza Double 6 is	
$9 + 9 =$		Ezili-9 eziphindwe ka-2 zenza Double 9 is	
$3 + 3 =$		Ezi-3 eziphindwe ka-2 zenza Double 3 is	

2 Yenza amachokoza kwimigca emibini. Bala isiqingatha.

Draw dots in two rows. Calculate half.

14		Isiqingatha se-14 sisi- Half of 14 is	
8		Isiqingatha sesi-8 sisi- Half of 8 is	
4		Isiqingatha sesi-4 sisi- Half of 4 is	
20		Isiqingatha sama-20 li- Half of 20 is	
12		Isiqingatha se-12 sisi- Half of 12 is	

3 Sombulula uze ufakele umbala.

Solve and colour.

I-10 eliphindwe kabini
ngama-20.

Double 10 is 20.

I-si-4 esahlulwe kubini
sisi-2.

Half of 4 is 2.

I-si-5 esiphindwe kabini
li-10.

Double 5 is 10.

I-si-7 esiphindwe kabini
li-14.

Double 7 is 14.

I-si-8 esahlulwe kubini
sisi-4.

Half of 8 is 4.

I-si-8 esiphindwe kabini
li-16.

Double 8 is 16.

I-12 elahlulwe kubini
sisi-6.

Half of 12 is 6.

I-si-6 esiphindwe kabini
li-12.

Double 6 is 12.

I-16 elahlulwe kubini
sisi-8.

Half of 16 is 8.

I-9 eliphindwe kabini
li-18.

Double 9 is 18.

I-si-6 esahlulwe kubini
sisi-3.

Half of 6 is 3.

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

4 Gqibezela ezi theyibhile ubonise ukuphinda kabini nokwahlula kubini.

Complete the number tables to show double and half.

14
7

20

18

2
1

8

6

Ukuphinda kabini nokwahlula kubini

Doubling and halving

IZIBALO
ZENTLOKO
MENTAL MATHS

FIZZ POP -
UKUPHINDA KABINI
FIZZ POP - DOUBLING

UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

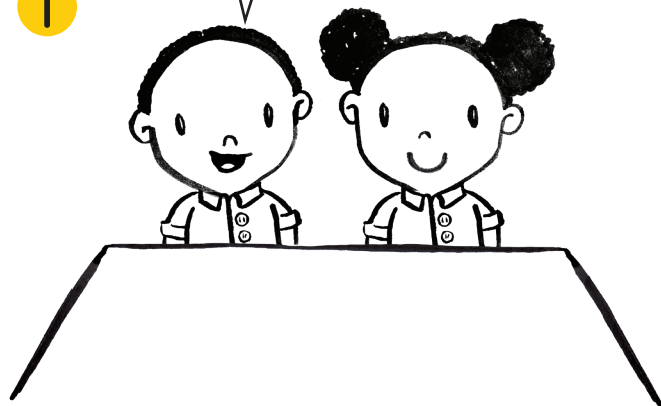
IPHEPHA
LOKUSEBENZELA
WORKSHEET

Umdlalo: Phinda kabini

Game: Doubling

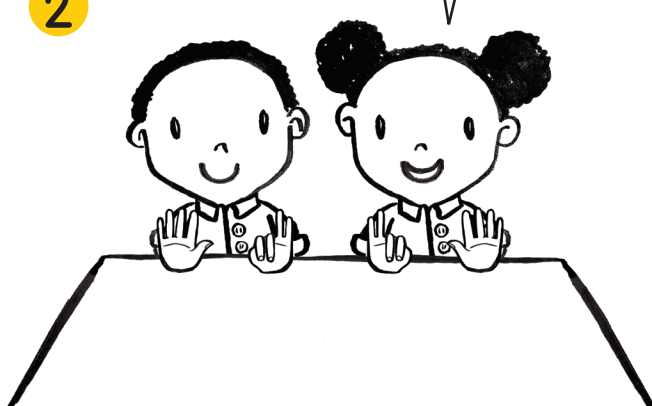
1

Phinda kabini ezisi-7.
Double 7.



2

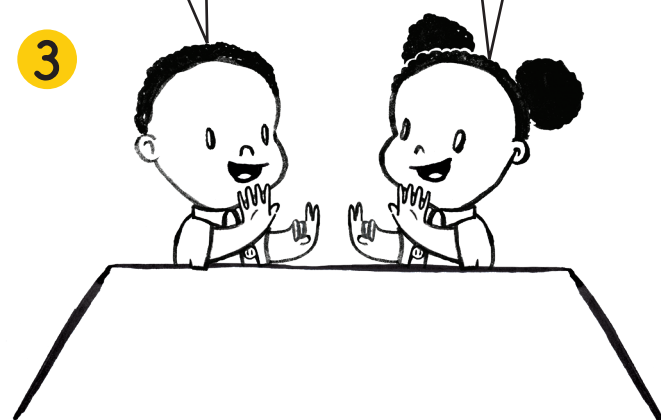
Masibale!
Let's work
it out!



3

Izandla ezibini
zenza i-10!
Two hands
makes 10!

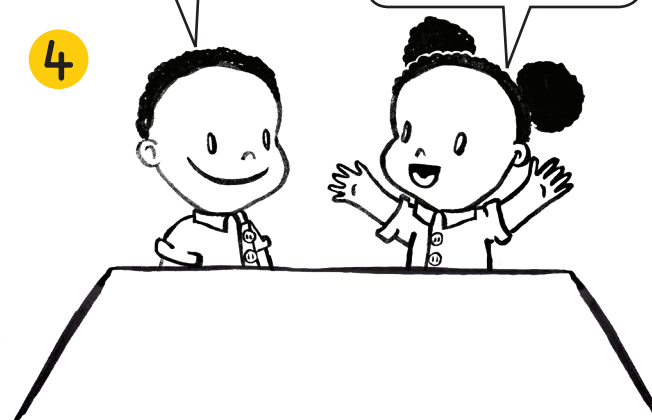
U-2 ophindwe
kabini ngu-4.
Double 2 is 4.



4

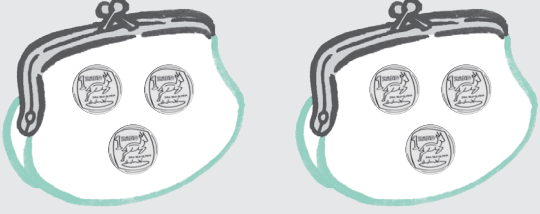
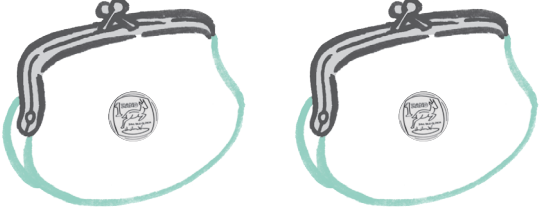
$10 + 4 = 14$
U-7 ophindwe
kabini li-14.
Double 7 is 14.

Masidlale
kwakhona. Phinda
kabini u-6!
Let's play again.
Double 6!



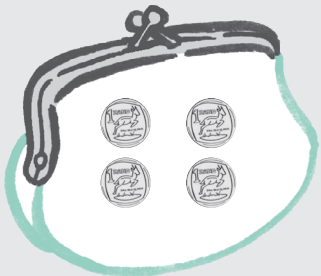
1 Phinda le mali kabini. Yimalini iyonke?

Double the money. How much altogether?

  R3 + R3 = R6	 _____ + _____ = _____
 _____ + _____ = _____	 _____ + _____ = _____

2 Yahlula kubini le mali. Unamalini?

Halve the money. What do you have?

 Isiqingatha se-R4 zi-  R2. Half of R4 is R2.	 Isiqingatha sama-20c li-_____. Half of 20c is _____.
 Isiqingatha se-R20 zi-_____. Half of R20 is _____.	 Isiqingatha se-R10 zi-_____. Half of R10 is _____.

- 1 Fakela umbala kumachokoza ukuze wenze umzobo onolinganomacala.

Colour the dots to make the drawing symmetrical.

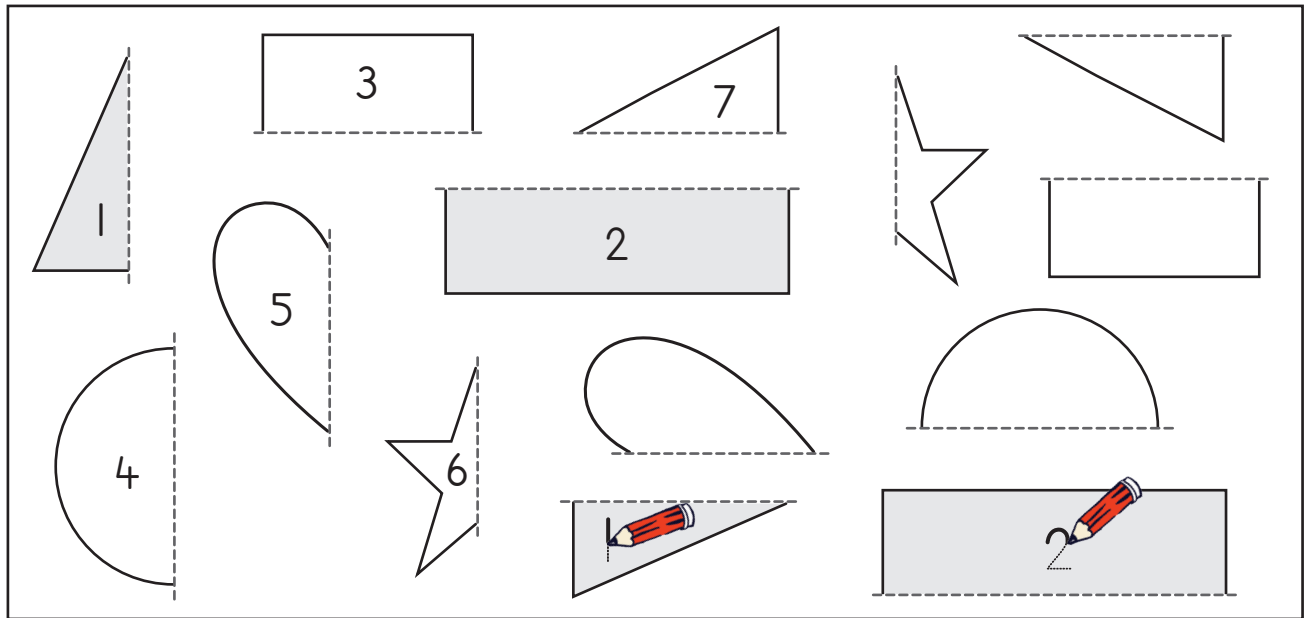
- 2 Gqibezela iitheyibhile zamanani ukuze ubonise ukuphinda kabini nehafu.

Complete the number tables to show double and half.

14	8		
		3	3
		5	5

3 Bhala inani elikwiimilo ezifanayo ukuze wenze imilo enolinganomacala.

Write the same number in the shapes that match to make a symmetrical shape.



4 Phinda kabini amachokoza. Gqibezela izivakalisi manani.

Double the dots. Finish the number sentences.

Isi-3 esiphindwe kabini sisi-____. Double 3 is ____.	Isi-7 esiphindwe kabini li-____. Double 7 is ____.	Isi-5 esiphindwe kabini li-____. Double 5 is ____.
$3 + 3 = \underline{\quad}$	$7 + 7 = \underline{\quad}$	$5 + 5 = \underline{\quad}$

5 Yahlula kubini amachokoza. Gqibezela izivakalisi manani.

Halve the dots. Finish the number sentences.

Isiqingatha se-12 sisi-____. Half of 12 is ____.	Isiqingatha sesi-8 sisi-____. Half of 8 is ____.	Isiqingatha se-16 sisi-____. Half of 16 is ____.

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZE-10
BONDS OF 10

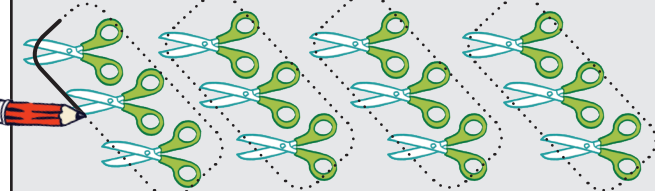
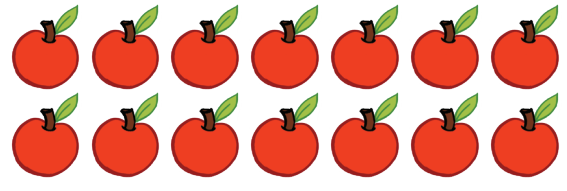
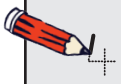
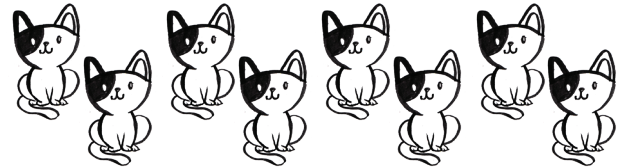
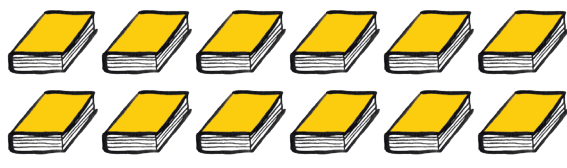
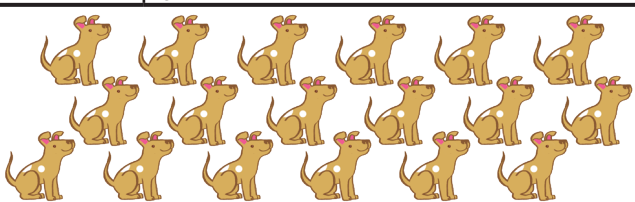
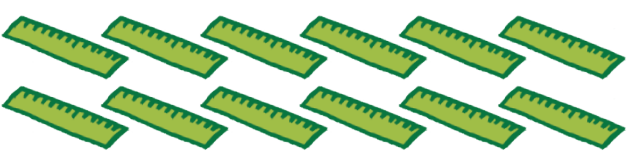
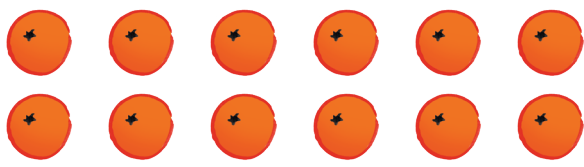
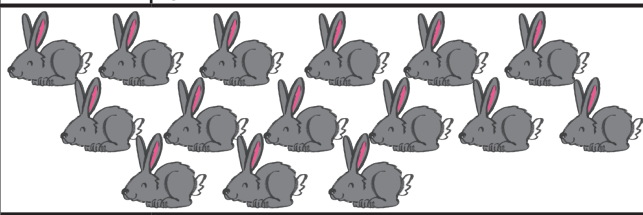
UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Bigela, ukuze wenze amaqela. Mangaphi amaqela akhoyo?

Circle to make groups. How many groups are there?

	
 amaqela ezi-3 groups of 3	 amaqela ezi-7 groups of 7
	
 amaqela ezi-4 groups of 4	 amaqela ezi-2 groups of 2
	
 amaqela ezi-2 groups of 2	 amaqela ezi-5 groups of 5
	
 amaqela ezi-3 groups of 3	 amaqela ezi-4 groups of 4
	
 amaqela ezi-6 groups of 6	 amaqela ezi-5 groups of 5

2 Biyela, ukuze wenze amaqela. Mangaphi amaqela akhoyo?

Circle to make groups. How many groups are there?

amaqela ezi-3 groups of 3	amaqela ezi-2 groups of 2
amaqela ezi-2 groups of 2	amaqela ezi-2 groups of 2
amaqela ezi-2 groups of 2	amaqela ezi-3 groups of 3
amaqela ezi-2 groups of 2	amaqela ezi-2 groups of 2
amaqela ezi-3 groups of 3	amaqela ezi-4 groups of 4

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZE-10
BONDS OF 10

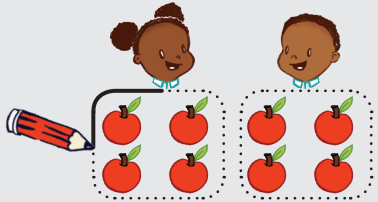
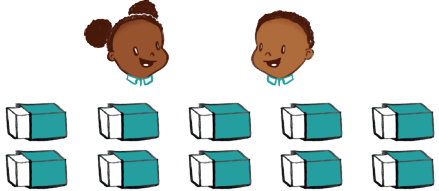
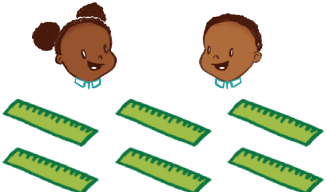
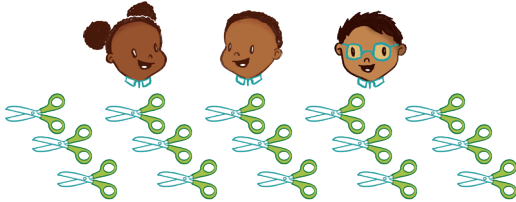
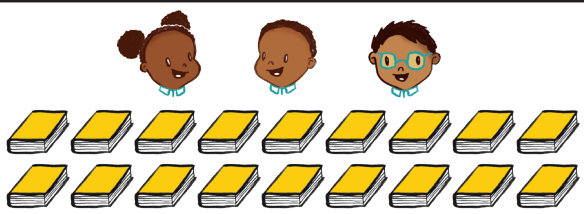
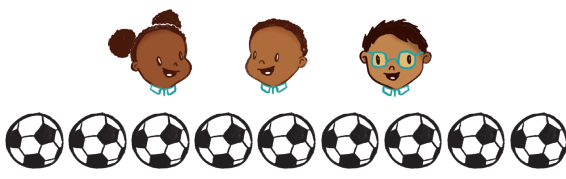
UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

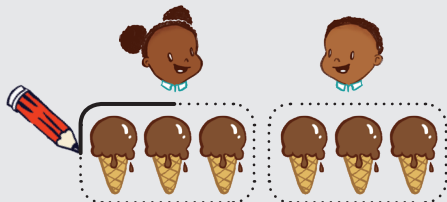
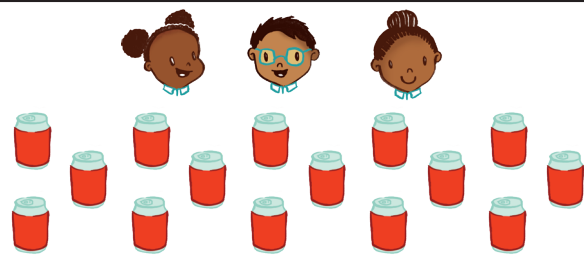
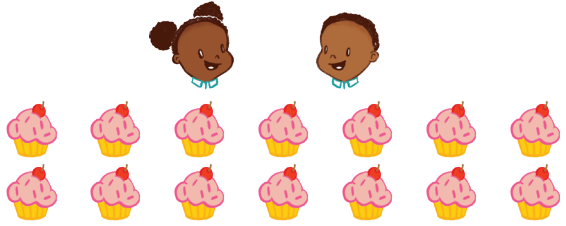
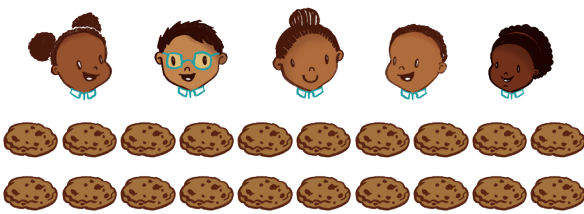
1 Yabela abantwana ngokulinganayo.

Share equally among the children.

Yahlula. Share.	Umntwana ngamnye ufumana Each child gets
	
	
	
	
	
	
	

2 Yabela abantwana ngokulinganayo.

Share equally among the children.

Yahlula. Share.	Umntwana ngamnye ufumana Each child gets
	
	
	
	
	
	
	

Ukuhlela nokwaba

Grouping and sharing

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZE-10
BONDS OF 10

UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

- 1 Bigela, ukuze wenze amaqela. Mangaphi amaqela akhoyo?
Circle to make groups. How many groups are there?

amaqela ezi-2 groups of 2	amaqela ezi-4 groups of 4
amaqela ezi-5 groups of 5	amaqela ezi-3 groups of 3

- 2 Bhala izivakalisi manani.

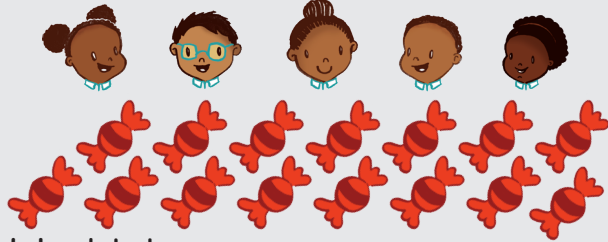
Write the number sentences.

$5 + 5 + 5 = 15$	

3

Yabela abahlobo aba-5 ezi lekese.

Share the sweets among 5 friends.

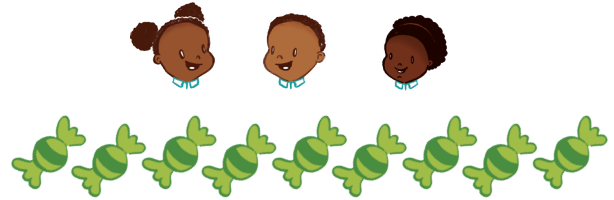


Umhlobo ngamnye uza kufumana iilekese ezi- 3.

Each friend will get 3 sweets.

Yabela abahlobo aba-3 ezi lekese.

Share the sweets among 3 friends.

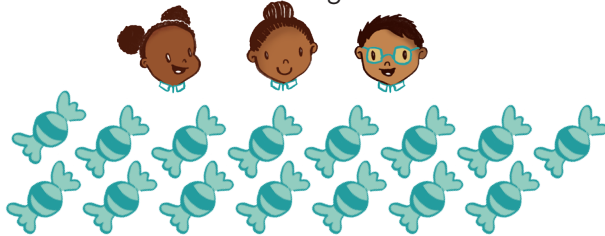


Umhlobo ngamnye uza kufumana iilekese ezi-_____.

Each friend will get _____ sweets.

Yabela abahlobo aba-3 ezi lekese.

Share the sweets among 3 friends.

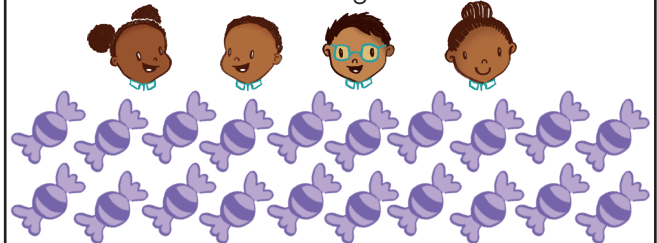


Umhlobo ngamnye uza kufumana iilekese ezi-_____.

Each friend will get _____ sweets.

Yabela abahlobo aba-4 ezi lekese.

Share the sweets among 4 friends.



Umhlobo ngamnye uza kufumana iilekese ezi-_____.

Each friend will get _____ sweets.

4

Unamaqebengwana ali-10 aza kufakwa ezibhokisini. Ibhokisi nganye ingena amaqebengwana ama-5. Uza kufuna iibhokisi ezingaphi?

You have 10 cookies to put into boxes. 5 cookies go in each box. How many boxes will you need?



Ndifuna iibhokisi ezi-

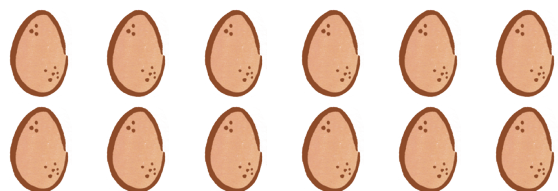
I need



boxes.

Unamaqanda ali-12 aza kufakwa ezibhokisini. Kungena amaqanda ama-4 kwibhokisi nganye. Uza kufuna iibhokisi ezingaphi?

You have 12 eggs to put into boxes. 4 eggs go in each box. How many boxes will you need?



Ndifuna iibhokisi ezi-

I need

boxes.

Ukuhlela nokwaba okunentsalela

Grouping and sharing with remainders

IZIBALO
ZENTLOKO
MENTAL MATHS

IIBHONDI ZE-10
BONDS OF 10

UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

IPHEPHA
LOKUSEBENZELA
WORKSHEET

Umdlalo: Ulwabiwo olulungileyo

Game: Fair share

Qala umdlalo ngezibalisi ezingama-20.

Start the game with 20 counters.

1

Bendichanile, akukho ntsalela.
I was right, no remainder.
Lithuba lam!
My turn!

2

Ndikunika izibalisi ezili-14
ukuze uzabele abantu
ababini.
I'm giving you 14 counters
to share between 2 people.

Ndingazahlula
ngokulinganayo
kungabikho sishiyekayo.
I can share them
equally with none
left over.

3

Ndicinga ukuba
ndiza kuba nayo
intsalela ...
I think
I will have
a remainder ...

4

Yabela abantu aba-5
izibalisi ezili-18.
Share 18 counters
among 5 people.

5

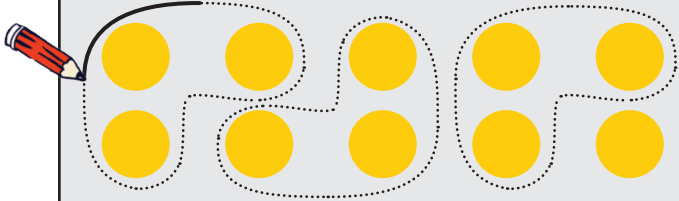
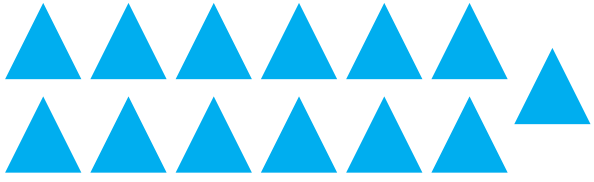
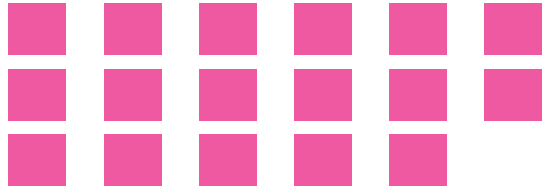
Ndinentsalela,
benditshilo.
I have
a remainder.
I was right.
Lithuba lam!
My turn!

Qhubani nidlale ukuze wonke umntu abe namathuba amaninzi okwahlula izibalisi ezinentsalela nezingenantsalela.

Continue playing to give everyone lots of turns to share the counters with and without remainders.

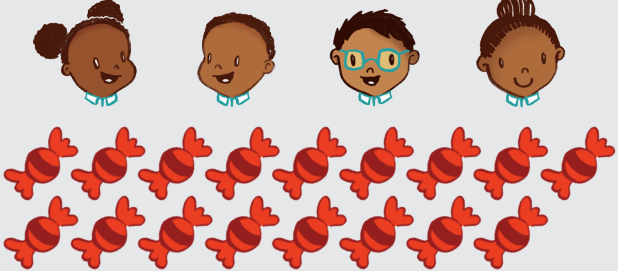
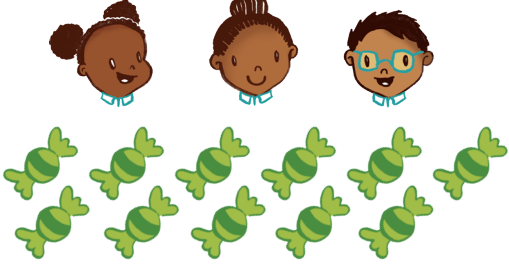
1 Biyela, ukuze wenze amaqela. Mangaphi amaqela akhoyo?

Circle to make groups. How many groups are there?

			
	amaqela ezi-3 groups of 3		amaqela ezi-4 groups of 4
	intsalela. left over.		intsalela. left over.
			
	amaqela ezi-5 groups of 5		amaqela ezi-2 groups of 2
	intsalela. left over.		intsalela. left over.

2 Yahlula iilekese ngokulinganayo.

Share the sweets equally

					
Umhlobo ngamnye ufumana iilekese ezi- Each friend gets			Umhlobo ngamnye ufumana iilekese ezi- Each friend gets		
Iza kuba- There will be		eshiyekayo. left over.	Ziza kuba- There will be		ezishiyekayo. left over.

1

Unezitoki ezili-11 oza kwabelana ngazo nomhlobo wakho. Uza kufumana izitoki ezingaphi umntu ngamnye?

You have 11 lollipops that you share with your friend. How many lollipops will you each get?

Uneencwadi ezili-15 oza kuzipakisha ezibhokisini. Kungena iincwadi ezi-4 kwibhokisi nganye. Kuza kufuneka iibhokisi ezingaphi?

You have 15 books to put into boxes. 4 books go in each box. How many boxes will you need?

Umntu ngamnye uza kufumana izitoki ezi-

You will each get

lollipops.

Kufuneka iibhokisi ezi-

I need

boxes.

Kuza kushiyeke ezi-

There will be

left over.

Ndiza kuba neencwadi ezi-

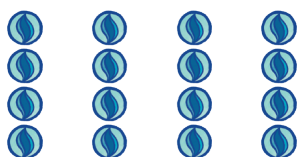
I will have

ezishiyekeleyo.
books left over.

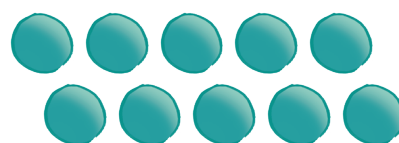
2

Biyela ukuze wenze amaqela. Mangaphi amaqela akhoyo?

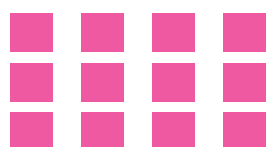
Circle to make groups. How many groups are there?



amaqela ezi-4
groups of 4



amaqela ezi-2
groups of 2



amaqela ezi-6
groups of 6



amaqela ezi-3
groups of 3

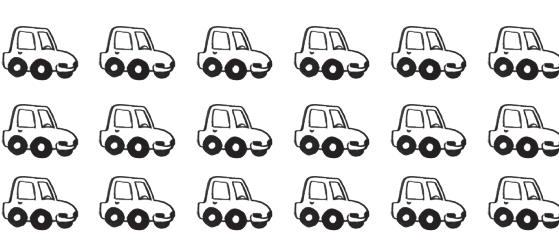
3 Biyela, ukuze wenze amaqela. Mangaphi amaqela akhoyo?

Circle to make groups. How many groups are there?

	
amaqela ezi-2 groups of 2	amaqela ezi-5 groups of 5
ezishiyekileyo. left over.	ezishiyekileyo. left over.

4 Yabela abahlobo ezi moto ngokulinganayo.

Share the cars equally.

	
	
Umntwana ngamnye ufumana Each child gets seemoto cars.	Umntwana ngamnye ufumana Each child gets seemoto cars.
intsalela. left over.	intsalela. left over.

5 Bhala isivakalisi manani.

Write the number sentences.

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

IZIBALO
ZENTLOKO
MENTAL MATHS

YENZA I-10 NGAMAKHADI
AMACHOKOZA
MAKE 10 USING DOT CARDS

UMDLALO
GAME

UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Bala amehlo. Bala ngezi-2.

Count the eyes. Count in 2s.

									
2	4								

Bala imilenze. Bala ngezi-2.

Count the legs. Count in 2s.

					
2	4				

Bala iminwe. Bala ngezi-5.

Count the fingers. Count in 5s.

						
5	10					

Bala amabhabhathane. Bala ngezi-5.

Count the butterflies. Count in 5s.

				
5	10			

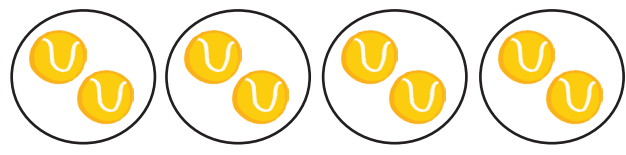
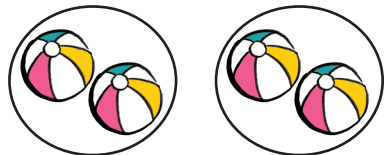
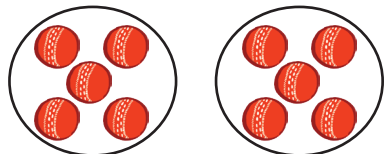
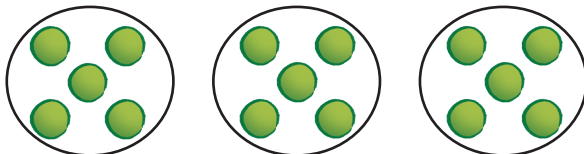
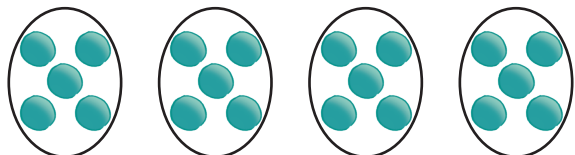
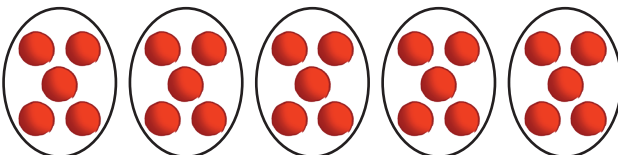
2 Biyela izi-5 ngezangqa ukuze ubale ukuba zingaphi iimilo ezikhoyo.

Draw circles around the 5s to work out how many shapes.

iqela eli-1 lezi-5 1 group of 5  	amaqela ama-2 ezi-5 2 groups of 5 	amaqela ama-3 ezi-5 3 groups of 5 
5		

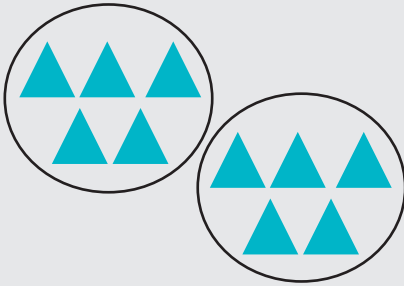
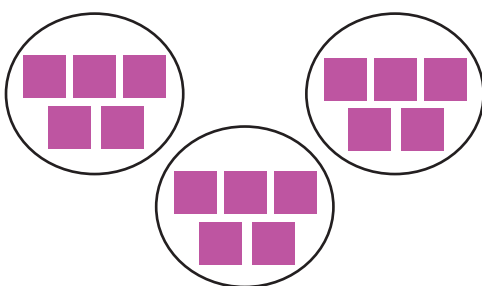
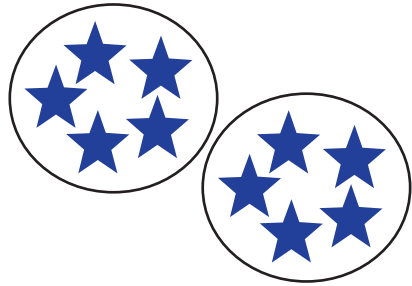
3 Bhala isivakalisi manani uze usombulule ingxaki.

Write a number sentence and solve the problem.

  $2 + 2 + 2 = 6$	 $___ + ___ + ___ + ___ = ___$
 $___ + ___ = ___$	 $___ + ___ + ___ = ___$
 $___ + ___ = ___$	 $___ + ___ + ___ = ___$
 $___ + ___ + ___ + ___ = ___$	 $___ + ___ + ___ + ___ + ___ = ___$

4 Bhala isivakalisi manani.

Write number sentences for these shapes.

  $5 + 5 = 10$	 $___ + ___ + ___ = ___$	 $___ + ___ = ___$
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IZIBALO
ZENTLOKO
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YENZA I-10 NGAMAKHADI
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UPHUHLISO
LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA
OKUSEBENZELA
WORKSHEETS

1 Bala iindlebe.

Count the ears.

					
2	4				

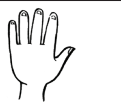
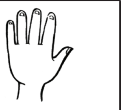
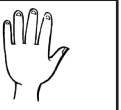
Bala iingqekembe zemali. Bala ngezi-2.

Count the coins. Count in 2s.

						
2	4					

Bala iminwe.

Count the fingers.

						
5	10					

Bala iingqekembe zemali. Bala ngezi-5.

Count the coins. Count in 5s.

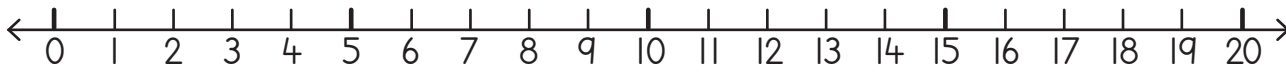
						
5	10					

2 Bala ngezi-2 kumgcamanani.

Count in 2s on the number line.



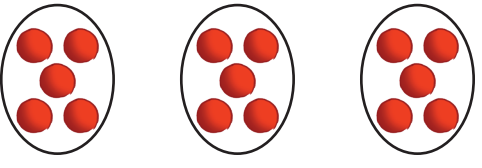
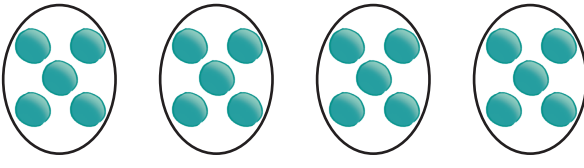
$2 + 2 = \underline{\quad}$



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

3 Bhala izivakalisi manani uze usombulule ezi ngxaki.

Write the number sentences and solve the problems.

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

4 Sombulula ezi ngxaki zamanani.

Solve the word problems.

UNkazi uneengxowa ezisi-7 ezineelekeke ezi-2 kwingxowa nganye. Zingaphi iilekese anazo zizonke? Zoba iilekese ezikwingxowa nganye.

Nkazi has 7 bags with 2 sweets in each bag. How many sweets does he have altogether? Draw the sweets in the bags.



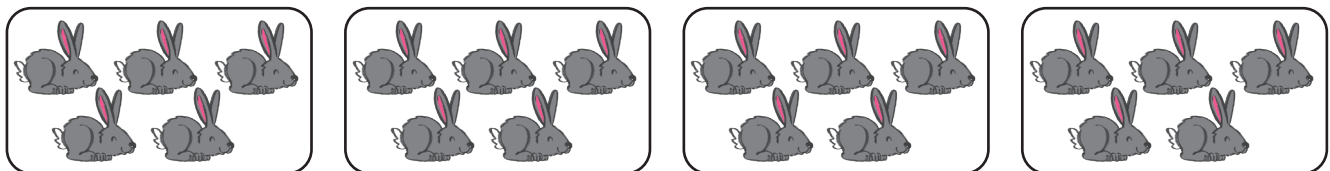
Bhala isivakalisi manani.

Write the number sentence.

$$___ + ___ + ___ + ___ + ___ + ___ + ___ = ___$$

ULwandile uneebhokisi ezi-4. Ibhokisi nganye inemivundla emi-5. Mingaphi imivundla ekhoyo iyonke?

Lwandile has 4 boxes. Each box has 5 rabbits in it. How many rabbits are there altogether?



Bhala isivakalisi manani.

Write the number sentence.

$$___ + ___ + ___ + ___ = ___$$

Ukuphinda kabini nokwahlula kubini

Doubling and halving

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1 Phinda kabini amapetyu.

Double the marbles.

   U-3 ophindwe kabini ngu-____. Double 3 is <u>6</u>.	 U-1 ophindwe kabini ngu-____. Double 1 is ____.
 U-4 ophindwe kabini ngu-____. Double 4 is ____.	 U-2 ophindwe kabini ngu-____. Double 2 is ____.
 U-6 ophindwe kabini ngu-____. Double 6 is ____.	 U-5 ophindwe kabini ngu-____. Double 5 is ____.

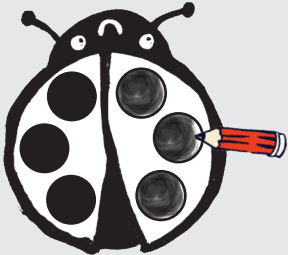
2 Yahlula amapetyu ngokulinganayo phakathi kwabahlobo ababini.

Share the marbles equally between two friends.

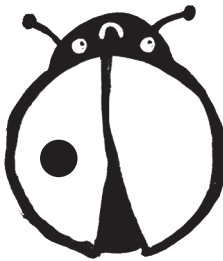
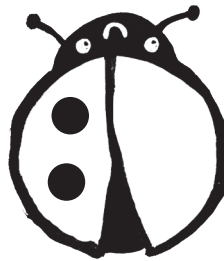
   Ihafu yesi-8 ngu-____. Half of 8 is <u>4</u>.	 Ihafu yesi-6 ngu-____. Half of 6 is ____.
 Ihafu yesi-2 ngu-____. Half of 2 is ____.	 Ihafu ye-10 ngu-____. Half of 10 is ____.
 Ihafu yesi-4 ngu-____. Half of 4 is ____.	 Ihafu ye-12 ngu-____. Half of 12 is ____.

3 Phinda kabini amachokoza.
Double the dots.

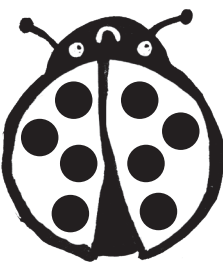
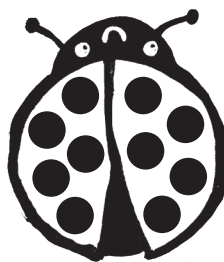
Yahlula kubini amachokoza.
Halve the dots.

	
U-3 ophindwe kabini ngu- <u>6</u> . Double 3 is <u>6</u> .	Ihafu yesi-8 ngu- <u>4</u> . Half of 8 is <u>4</u> .
$3 + 3 = \underline{6}$	

Phinda kabini amachokoza.
Double the dots.

		
U-5 ophindwe kabini ngu-____. Double 5 is ____.	U-1 ophindwe kabini ngu-____. Double 1 is ____.	U-2 ophindwe kabini ngu-____. Double 2 is ____.
$5 + 5 = \underline{\quad}$	$1 + 1 = \underline{\quad}$	$2 + 2 = \underline{\quad}$

Yahlula kubini amachokoza.
Halve the dots.

		
Ihafu yesi-8 ngu-____. Half of 8 is ____.	Ihafu ye-12 ngu-____. Half of 12 is ____.	Ihafu ye-10 ngu-____. Half of 10 is ____.

Ukuphinda kabini nokwahlula kubini

Doubling and halving

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1 Dibanisa.

Add.

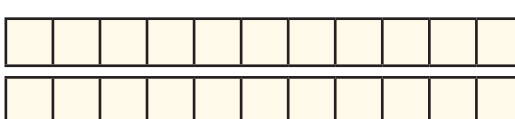
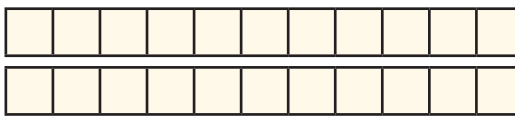
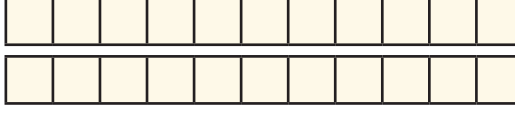
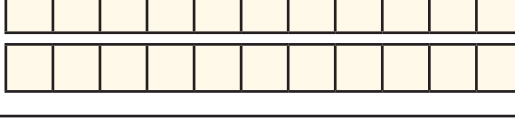
Bhala iziphindwa kabini.

Write the doubles.

$4 + 4 =$		U-4 ophindwe kabini ngu- Double 4 is	
$8 + 8 =$		u-8 ophindwe kabini ngu- Double 8 is	
$3 + 3 =$		u-3 ophindwe kabini ngu- Double 3 is	
$7 + 7 =$		u-7 ophindwe kabini ngu- Double 7 is	
$2 + 2 =$		u-2 ophindwe kabini ngu- Double 2 is	

2 Yenza amachokoza kwimigca emibini. Bala ihafu.

Draw dots in two rows. Calculate half.

18		Ihafu ye-18 ngu- Half of 18 is	
12		Ihafu ye-12 ngu- Half of 12 is	
10		Ihafu ye-10 ngu- Half of 10 is	
14		Ihafu ye-14 ngu- Half of 14 is	
20		Ihafu yama-20 ngu- Half of 20 is	

3 Gqibezela ezi theyibhile ubonise ukuphinda kabini nokwahlula kubini.

Complete the tables to show **double** and **half**.

6	
3 	3

8	

14	

10	
5 	5

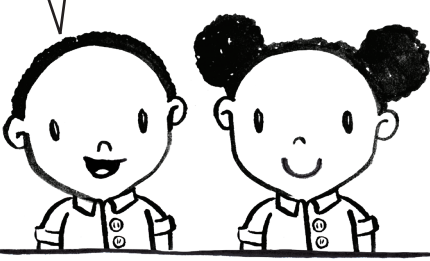
6	

9	

Umdlalo: Phinda kabini Game: Doubling

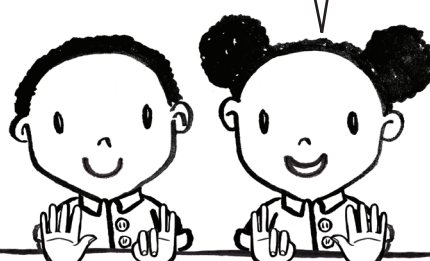
1

Phinda kabini u-7.
Double 7.



2

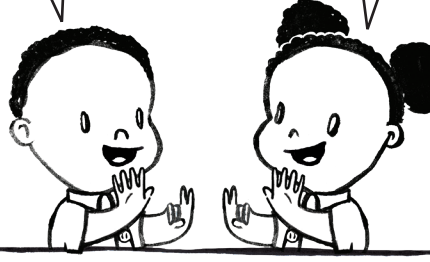
Masibale.
Let's work it out!



3

Izandla ezibini zenza u-10!
Two hands makes 10!

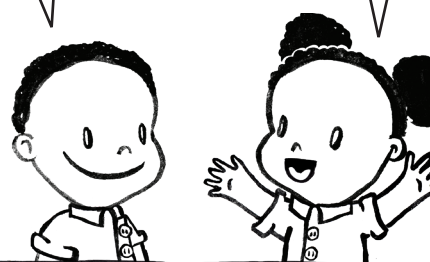
U-2 ophindwe kabini ngu-4.
Double 2 is 4.



4

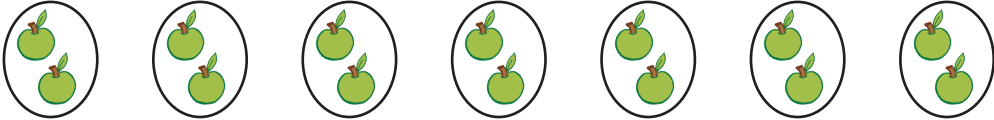
$10 + 4 = 14$
U-7 ophindwe kabini ngu-14.
Double 7 is 14.

Masidlale kwakhona. Phinda kabini u-9!
Let's play again. Double 9!



1 Bhala izivakalisi manani uze usombulule ezi ngxaki.

Write the number sentences and solve these problems.

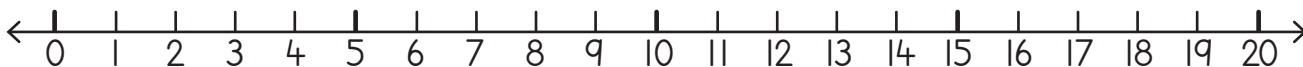

 $\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$


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

2 Bala ngezi-2 kumgcamanani.

Count in 2s on the number line.

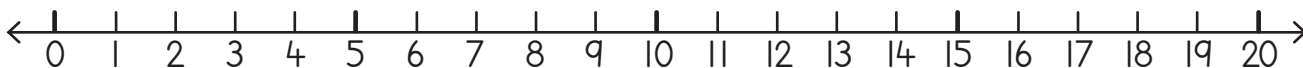
$$2 + 2 + 2 + 2 = \underline{\quad}$$



Bala ngezi-5 kumgcamanani.

Count in 5s on the number line.

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

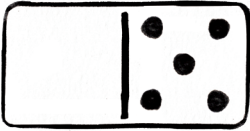


3 Phinda kabini amachokoza.

Double the dots.

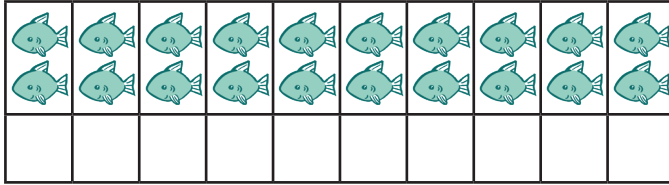
Yahlula kubini amachokoza.

Halve the dots.

	
U-5 ophindwe kabini ngu-____. Double 5 is ____.	amachokoza ama-____. ____ dots
$5 + 5 = \underline{\quad}$	Ihafu ye-12 ngu-____. Half of 12 is ____.

4 Bala iintlanzi.
Bala ngezi-2.

Count the fish. Count in 2s.



Bala iingqekembe zemali.
Bala ngezi-5.

Count the coins. Count in 5s.



5 Bhala izivakalisi manani uze usombulule iingxaki.

Write the number sentences and solve the problems.

 $___ + ___ + ___ + ___ = ___$	 $___ + ___ + ___ + ___ + ___ = ___$
 $___ + ___ + ___ = ___$	 $___ + ___ + ___ + ___ = ___$

6

U-7 ophindwe kabini ngu-____. Double 7 is ____.	U-4 ophindwe kabini ngu-____. Double 4 is ____.	U-9 ophindwe kabini ngu-____. Double 9 is ____.
$7 + 7 = ___$	$4 + 4 = ___$	$9 + 9 = ___$
Ihafu ye-10 ngu-____. Half of 10 is ____.	Ihafu ye-16 ngu-____. Half of 16 is ____.	Ihafu ye-14 ngu-____. Half of 14 is ____.



