IsiXhosa

IMathematika

Mathematics

PILOT

1

Ikota 4 | Term 4



Umfundi | Learner: .....

Bala Wande
Calculating with Confidence

1

Ikota 4 | Term 4

IMathematika

Mathematics

INcwadi yomFundi

Learner's 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.

Artist: Mary-Anne Hampton

www.fundawande.org
ISBN: 9781997455929
Version 4: 2026

Anyone is free to **share** (copy and redistribute the material in any medium or format) or **adapt** (remix, transform and build on the material for any purpose), provided that you credit the work as follows:
Bala Wande, IMathematika INcwadi yomFundi, IBanga 1, Ikota 4, CC BY 4.0.
You may not add terms or measures that legally restrict others from doing anything the licence permits.
For more information: https://creativecommons.org/licenses/by/4.0/

ISIQULATHO CONTENTS

IVEKI 1 • UKUSEBENZA NGAMANANI WEEK 1 • WORKING WITH NUMBERS 2

USUKU 1 • DAY 1 **Fumana inani elishiyiweyo** Find the missing number 2

USUKU 2 • DAY 2 **Fumana inani elishiyiweyo** Find the missing number 4

USUKU 3 • DAY 3 **Ukudibanisa nokuthabatha** Addition and subtraction 6

USUKU 4 • DAY 4 **Amanani ukuya kuma-99 – ukubala nokunakana**
Numbers up to 99 – counting and recognition 8

USUKU 5 • DAY 5 **Ukubethelela** Consolidation 10

IVEKI 2 • AMANANI UKUYA KUMA-99 WEEK 2 • NUMBERS UP TO 99 12

USUKU 1 • DAY 1 **Amanani ukuya kuma-99 – ukubala nokunakana**
Numbers up to 99 – counting and recognition 12

USUKU 2 • DAY 2 **Amanani ukuya kuma-99 – ukubala nokunakana**
Numbers up to 99 – counting and recognition 14

USUKU 3 • DAY 3 **Ukucwangcisa nokuthelekisa amanani** Ordering and comparing numbers 16

USUKU 4 • DAY 4 **Ukucwangcisa nokuthelekisa amanani** Ordering and comparing numbers 18

USUKU 5 • DAY 5 **Ukubethelela** Consolidation 21

IVEKI 3 • IMALI, UKUDIBANISA NOKUTHABATHA
WEEK 3 • MONEY, ADDITION AND SUBTRACTION 23

USUKU 1 • DAY 1 **Ukusebenza ngemali** Working with money 23

USUKU 2 • DAY 2 **Izibalo zemali** Money calculations 25

USUKU 3 • DAY 3 **Iingxaki zamagama zokudibanisa nokuthabatha (imeko yemali)**
Addition and subtraction word problems (money context) 27

USUKU 4 • DAY 4 **Iingxaki zamagama zokudibanisa nokuthabatha (imeko yemali)**
Addition and subtraction word problems (money context) 29

USUKU 5 • DAY 5 **Ukubethelela** Consolidation 31

IVEKI 4 • UKUDIBANISA, UKUTHABATHA NEEPATHENI
WEEK 4 • ADDITION, SUBTRACTION AND PATTERNS 33

USUKU 1 • DAY 1 **Ukudibanisa nokuthabatha** Addition and subtraction 33

USUKU 2 • DAY 2 **Ukudibanisa nokuthabatha** Addition and subtraction 35

USUKU 3 • DAY 3 **Iipatheni zamanani kunye neepatheni zejiyometri**
Number and geometric patterns 37

USUKU 4 • DAY 4 **Ipatheni zamanani** Number patterns 39

USUKU 5 • DAY 5 **Ukubethelela** Consolidation 41

IVEKI 5 • IXESHA NEZIBALO ZAMAGAMA WEEK 5 • TIME AND WORD PROBLEMS 43

USUKU 1 • DAY 1 **Ixesha – imini, ubusuku, izolo, namhlanje, ngomso**
Time – day, night, yesterday, today, tomorrow 43

USUKU 2 • DAY 2 **Ixesha – iinyanga zonyaka neentsuku zeveki**
Time – months of the year and days of the week 45

USUKU 3 • DAY 3 **Iingxaki zamagama zokudibanisa nokuthabatha**
Addition and subtraction word problems 47

USUKU 4 • DAY 4 **Iingxaki zamagama zokudibanisa nokuthabatha**
Addition and subtraction word problems **49**
USUKU 5 • DAY 5 **Ukubethelela** Consolidation **51**

IVEKI 6 • ULINGANO-MACALA, UKUPHINDA KABINI NOKWAHLULA KUBINI
WEEK 6 • SYMMETRY, DOUBLING AND HALVING **53**
USUKU 1 • DAY 1 **Ulingano-macala** Symmetry **53**
USUKU 2 • DAY 2 **Ulingano-macala** Symmetry **55**
USUKU 3 • DAY 3 **Ukuphinda kabini nokwahlula kubini** Doubling and halving **57**
USUKU 4 • DAY 4 **Ukuphinda kabini nokwahlula kubini** Doubling and halving **59**
USUKU 5 • DAY 5 **Ukubethelela** Consolidation **61**

IVEKI 7 • UKUHLELA NOKWABA WEEK 7 • GROUPING AND SHARING **63**
USUKU 1 • DAY 1 **Ukuhlela** Grouping **63**
USUKU 2 • DAY 2 **Ukwabelana** Sharing **65**
USUKU 3 • DAY 3 **Ukuhlela nokwaba/nokwabelana** Grouping and sharing **67**
USUKU 4 • DAY 4 **Ukuhlela nokwaba okunentsalela** Grouping and sharing with remainders **69**
USUKU 5 • DAY 5 **Ukubethelela** Consolidation **71**

IVEKI 8 • UKUDIBANISA OKUPHINDIWEYO, UKUPHINDA KABINI NOKWAHLULA KUBINI
WEEK 8 • REPEATED ADDITION, DOUBLING AND HALVING **73**
USUKU 1 • DAY 1 **Ukudibanisa okuphindiweyo** Repeated addition **73**
USUKU 2 • DAY 2 **Ukudibanisa okuphindiweyo** Repeated addition **75**
USUKU 3 • DAY 3 **Ukuphinda kabini nokwahlula kubini** Doubling and halving **77**
USUKU 4 • DAY 4 **Ukuphinda kabini nokwahlula kubini** Doubling and halving **79**
USUKU 5 • DAY 5 **Ukubethelela** Consolidation **81**

IZIXHOBO ZOKUFUNDA RESOURCES **83**
Uyolo lokudibanisa Addition fun **83**



Ukusebenzisa INcwadi yomFundi yeBala Wande

Le INcwadi yomFundi 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 ikharityhulam 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.

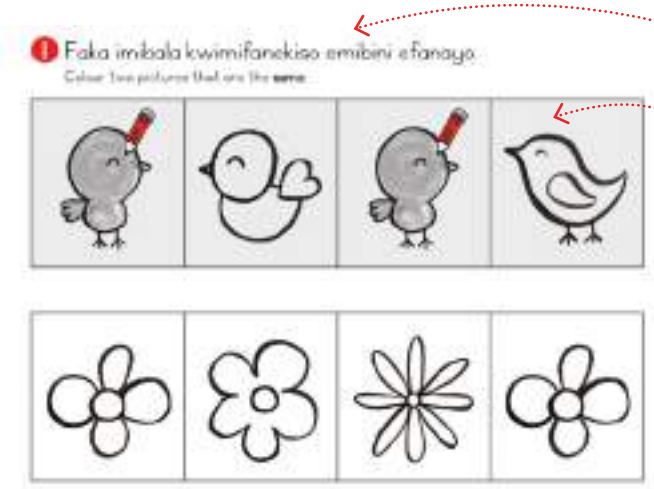
IZIBALO ZENTLOKO MENTAL MATHS | **UPHUHLISO LWENGQIQO** CONCEPT DEVELOPMENT → **UMSEBENZI WEQELA** GROUP WORK → **UMDLALO** GAME → **IMISEBENZI** ACTIVITIES → **UKUSOMBULULA INGXAKI** PROBLEM SOLVING

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



Yonke imiyalelo neenkcukacha zinikwe ngesiXhosa nangenguqulelo yesiNgesi ngezantsi.

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

Usuku lwesi-5 lweveki nganye lulungiselelwe ubethelelo novavanyo.

Using the Bala Wande Learner's Book

This Learner's 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.

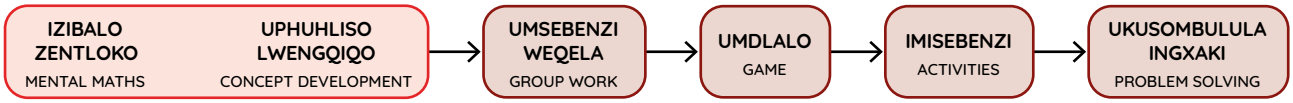
The material is presented using a bilingual format. We hope that presenting the activities in two languages will help learners to become familiar with maths words in both their home language and in English. This will equip them for lifelong learning of maths.

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.



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

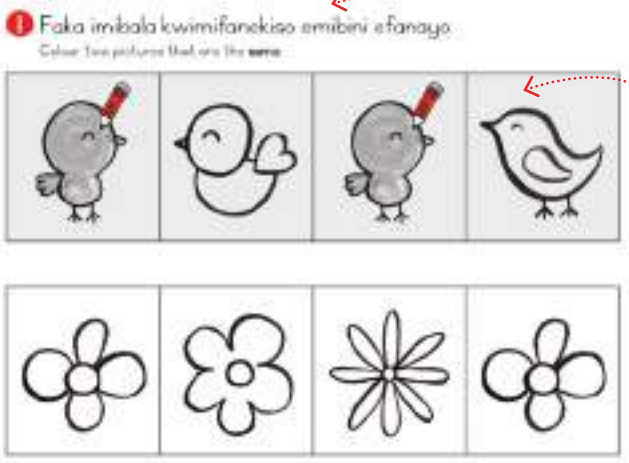


Mental Maths is the first activity every day. The teacher will lead this activity. You can play the game any day of the week.

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.



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.

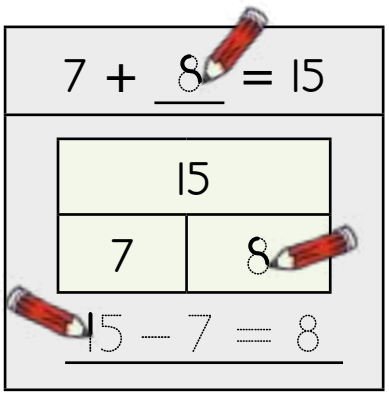
USUKU 1 • DAY 1

Fumana inani elishiyiweyo
Find the missing number

IZIBALO ZENTLOKO – MENTAL MATHS | UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → UMSEBENZI WEQELA – GROUP WORK → UMDLALO – GAME → IMISEBENZI – ACTIVITIES → UKUSOMBULULA INGXAKI – PROBLEM SOLVING

1 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.



___ + 6 = 11

11	
	6

_____

9 + ___ = 12

12	
	9

_____

8 + ___ = 14

14	
8	

_____

___ + 9 = 18

18	
	9

_____

9 + ___ = 16

16	
	9

_____

17 – ___ = 9

17	
	9

_____

13 – ___ = 8

13	
	8

_____

12 – ___ = 6

12	
	6

_____

11 – ___ = 7

11	
	7

_____

14 – ___ = 5

14	
	5

_____

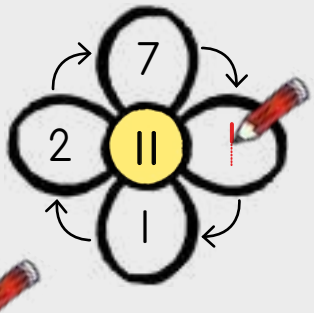
13 – ___ = 9

13	
	9

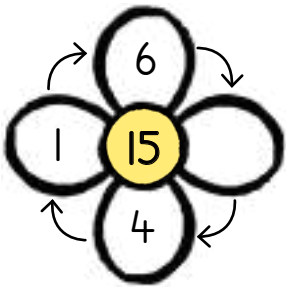
_____

2 Fumana inani elishiyiweyo. Inani elisembindini sisiphumo.

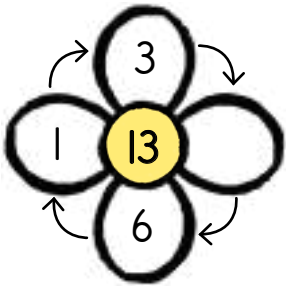
The number in the middle is the total. Find the missing number.



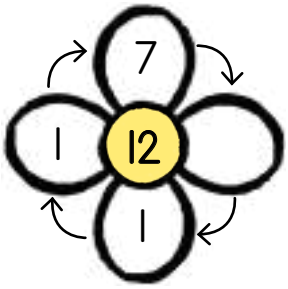
7 + 1 + 1 + 2 = 11



___ + ___ + ___ + ___ = 15



___ + ___ + ___ + ___ = ___



___ + ___ + ___ + ___ = ___

3 Sombulula uze ufakele imibala.

Solve and colour.

13 – 6 = 7	14 – 12 = 2
15 – 8 = ___	18 – 7 = ___
11 – ___ = 6	13 – ___ = 10
12 – 2 = ___	11 – 9 = ___
17 – ___ = 9	15 – ___ = 6
16 – 3 = ___	12 – 8 = ___

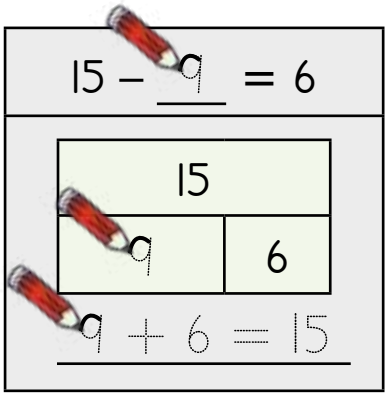
2 3 4 5 6 7 8 9 10 11 12 13

Fumana inani elishiyiweyo
Find the missing number

IZIBALO ZENTLOKO – MENTAL MATHS | UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → UMSEBENZI WEQELA – GROUP WORK → UMDLALO – GAME → IMISEBENZI – ACTIVITIES → UKUSOMBULULA INGXAKI – PROBLEM SOLVING

1 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.



___ – 7 = 4

7	4

16 – ___ = 8

16	
	8

___ + 5 = 13

13	
	5

___ + 8 = 14

14	
	8

5 + ___ = 11

11	
5	

___ – 9 = 7

9	7

___ – 3 = 8

3	8

17 – ___ = 8

17	
	8

___ + 8 = 12

12	
	8

7 + ___ = 14

14	
7	

___ + 7 = 13

13	
	7

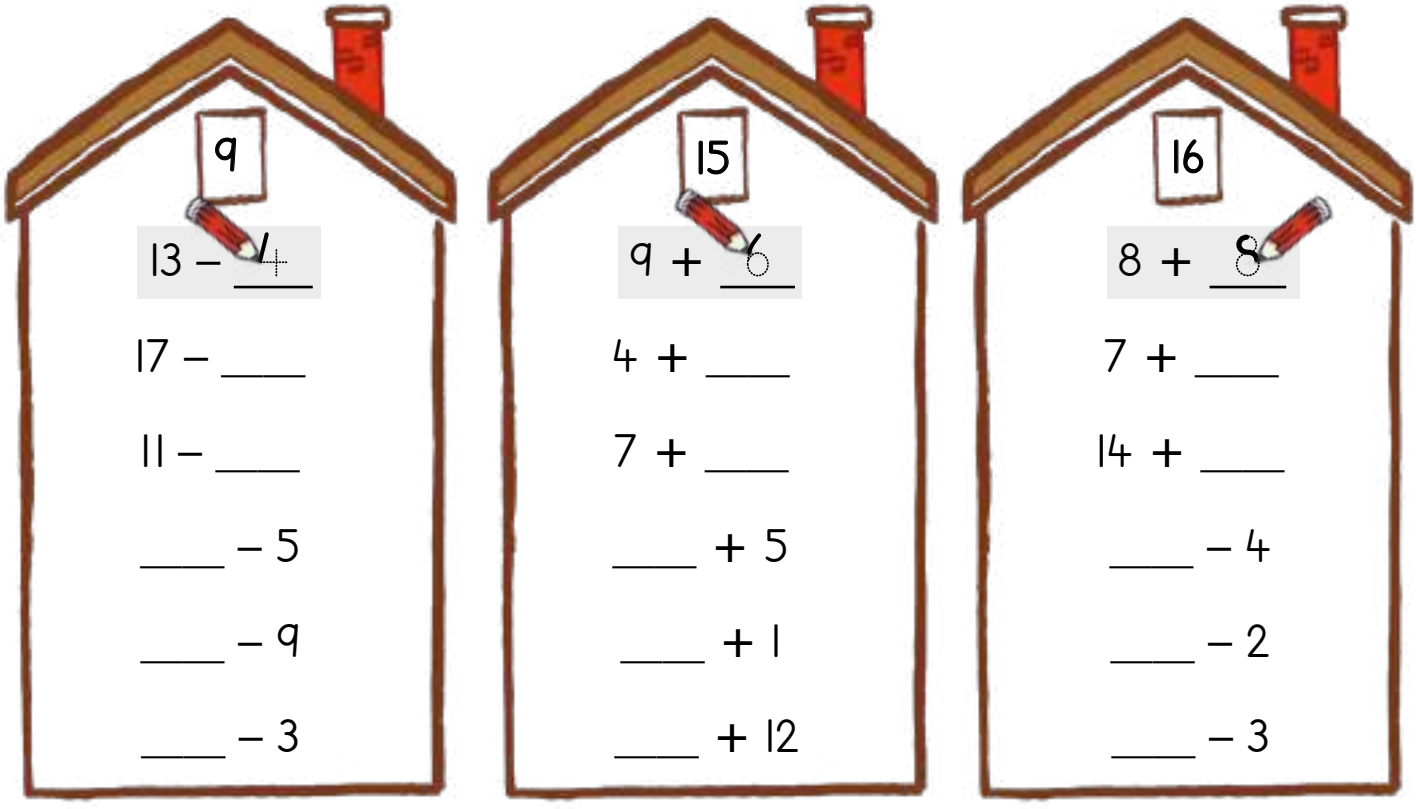
2 Amakhadi ababini ababini enza isiphumo esifanayo xa edityanisiwe. Fumana inani elishiyiweyo.

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 
___ + ___ + ___ = ___	___ + ___ + ___ = ___
3 3 6 	2 2 
___ + ___ + ___ = ___	___ + ___ + ___ = ___

3 Gqibezela ukuze ufumane inani elingasentla.

Complete to match the number at the top.



Ukudibanisa nokuthabatha
Addition and subtraction

IZIBALO ZENTLOKO MENTAL MATHS | UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

1 Bhala izivakalisi manani ezine ezohlukileyo kwitheyibhile nganye yamanani.

Write four number sentences for each number table.

	14 8 | 6	8 + 6 = 14 6 + 8 = 14	14 − 6 = 8 14 − 8 = 6
	11 5 |	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___
	15 | 9	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___
	16 7 |	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___
	12 | 4	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___
	13 5 |	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___

2 Sombulula ezi ngxaki uze ubhale unobumba ngezantsi kwesiphumo.

Solve the problems and write the letter underneath the answer.

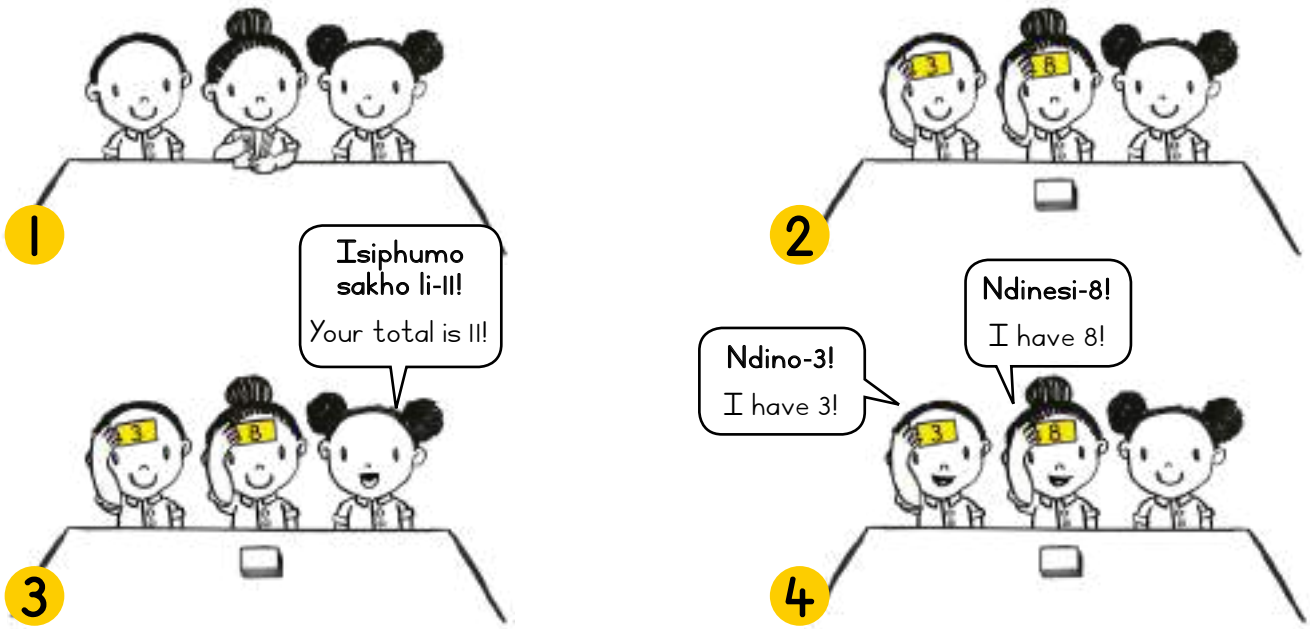
9 + 3 = 12 A	9 + 6 = ___ T	9 + 9 = ___ N
9 + 10 = ___ D	8 + 3 = ___ Y	8 + 5 = ___ Z
8 + 8 = ___ H	8 + 9 = ___ A	8 – 5 = ___ I
7 + 7 = ___ I	10 + 10 = ___ A	20 – 10 = ___ I
13 – 4 = ___ S	13 – 8 = ___ I	12 – 6 = ___ N
12 – 4 = ___ A	11 – 4 = ___ J	12 – 8 = ___ Z

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

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.

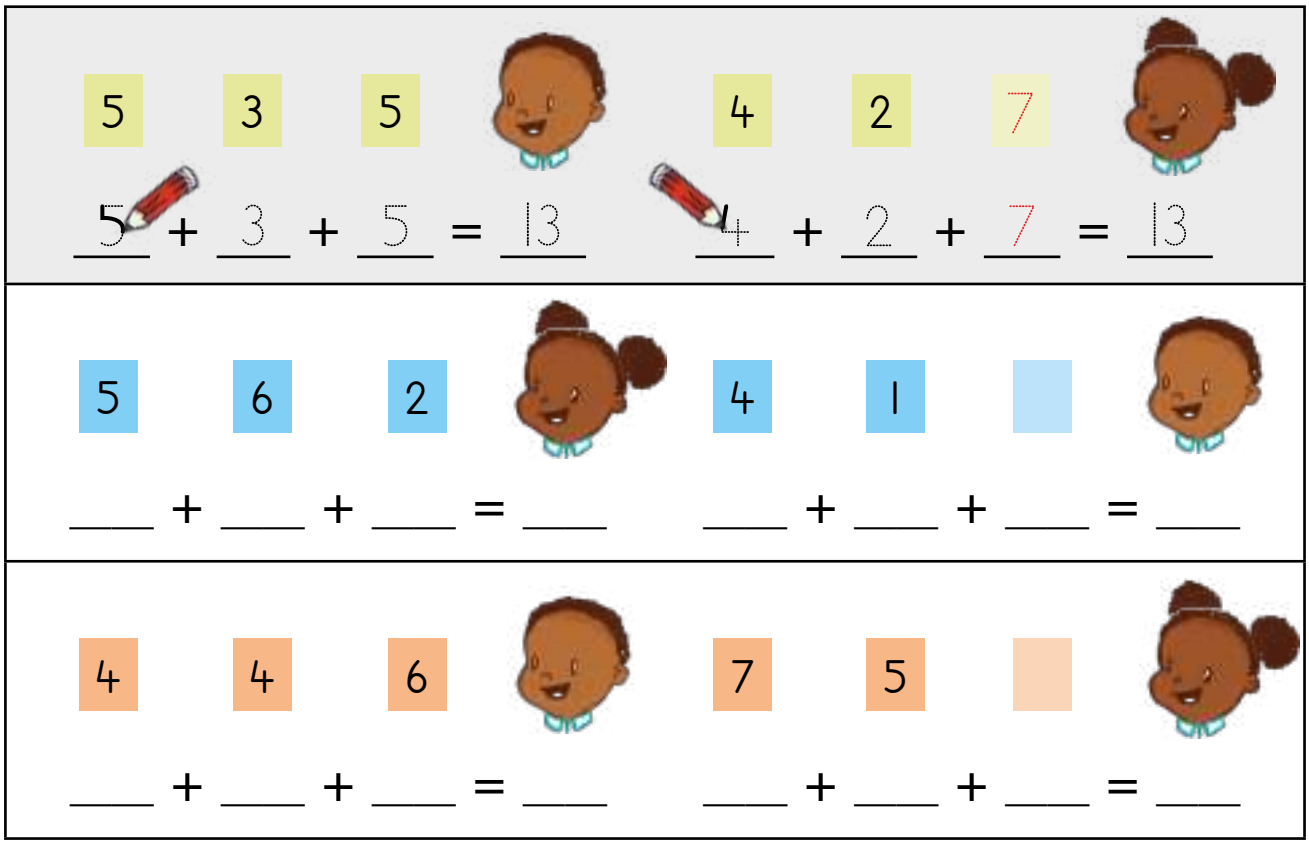
Amanani ukuya kuma-99 – ukubala nokunakana
Numbers up to 99 – counting and recognition

IZIBALO ZENTLOKO – MENTAL MATHS | UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → UMSEBENZI WEQELA – GROUP WORK → UMDLALO – GAME → IMISEBENZI – ACTIVITIES → UKUSOMBULULA INGXAKI – PROBLEM SOLVING

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



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 37 12	30 33 20 21	14 11 23 38
29 40 41 24	34 49 27 36	43 28 39 50
25 13 18 35	8 19 17 31	26 10 16 32

Ukubethelela
Consolidation

IZIBALO ZENTLOKO MENTAL MATHS → UVAVANYO ASSESSMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

1 Fumana inani elishiyiweyo. 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

___ – 7 = 4

7	4

16 – ___ = 8

16	
	8

___ + 5 = 13

13	
	5

___ + 8 = 14

14	
	8

5 + ___ = 11

11	
5	

2 Amakhadi ababini ababini enza isiphumo esinye xa edityanisiwe. Fumana inani elishiyiweyo.

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



6 5 4 ___ + ___ + ___ = ___



3 9 ___ ___ + ___ + ___ = ___



3 8 3 ___ + ___ + ___ = ___



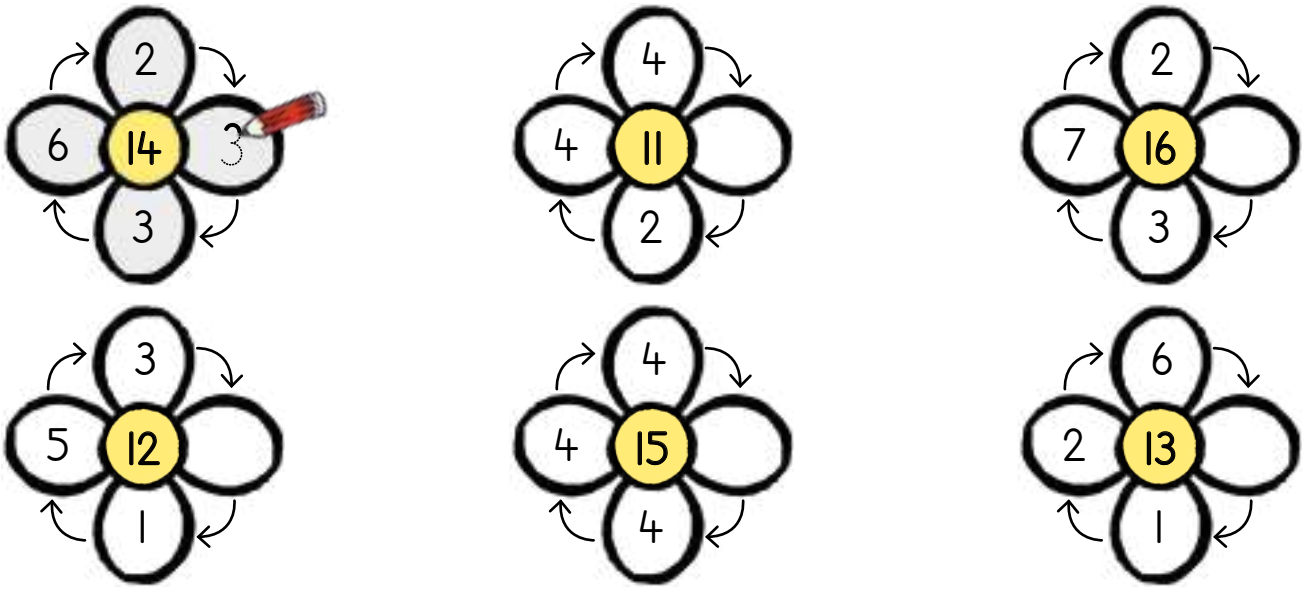
7 5 ___ ___ + ___ + ___ = ___

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	30 ____	55 ____
____ 69	____ 88	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 = 13	17 – ____ = 7
11 – 8 = ____	15 – 3 = ____
19 – ____ = 10	12 – ____ = 7
11 – 9 = ____	16 – 8 = ____
14 – 3 = ____	12 – ____ = 8
16 – ____ = 9	14 – ____ = 8

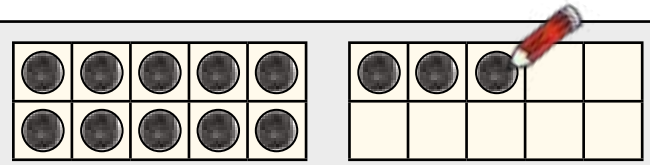
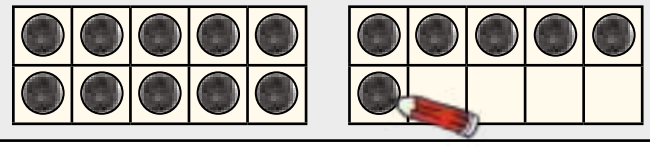
2 3 4 5 6 7 8 9 10 11 12 13

Amanani ukuya kuma-99 – ukubala nokunakana
Numbers up to 99 – counting and recognition

IZIBALO ZENTLOKO – MENTAL MATHS → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → UMSEBENZI WEQELA – GROUP WORK → UMDLALO – GAME → IMISEBENZI – ACTIVITIES → UKUSOMBULULA INGXAKI – PROBLEM SOLVING

1 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						

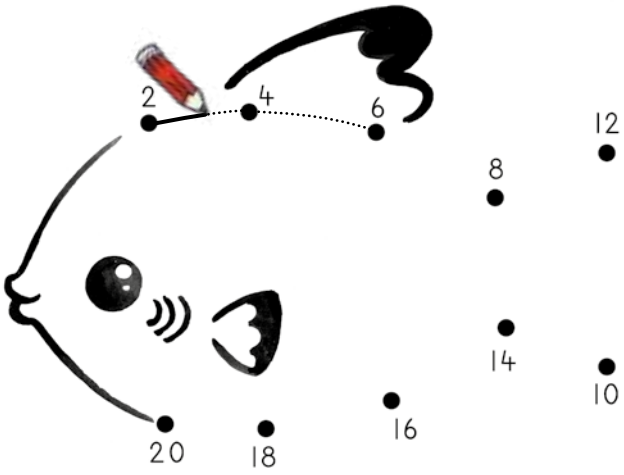
3 Bala ubuye umva.

Count backwards.

50	49	48	47						
26	25								
42	40	38	36						

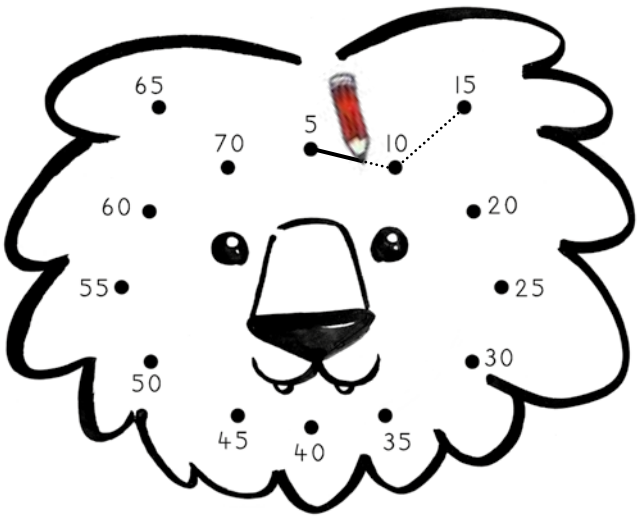
4 Dibanisa amachokoza ngokubala ngezi-2.

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 | UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

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

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

between 35 and 37

kwelingaphantsi nge-10 kunama-96

10 less than 96

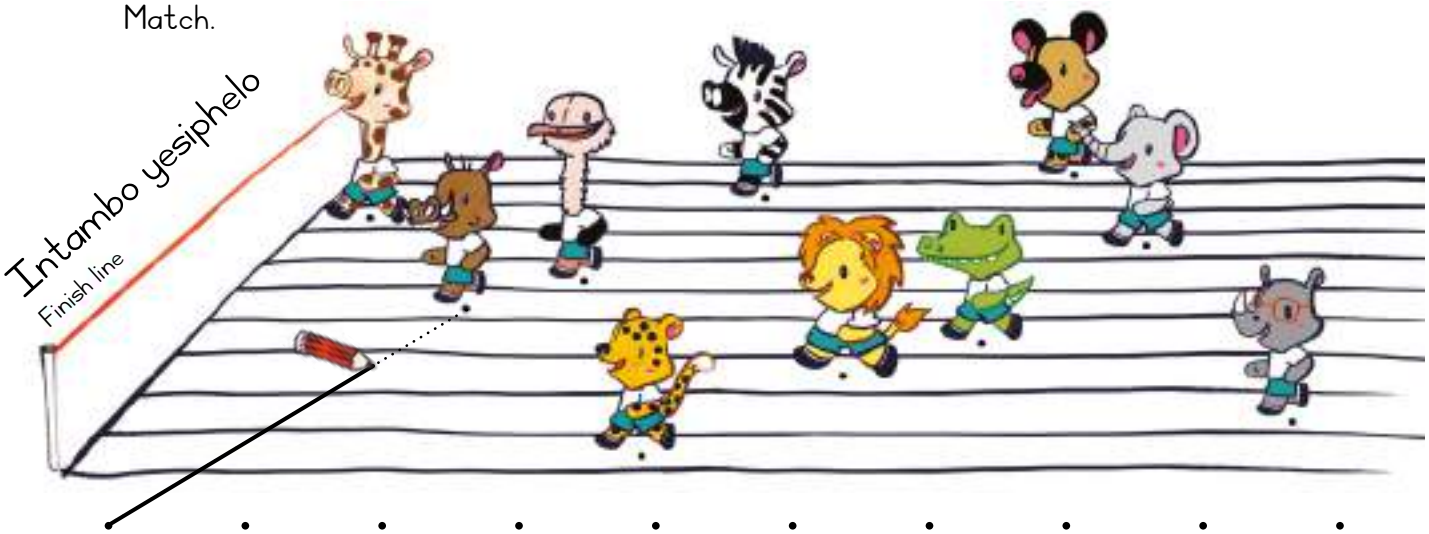
kwelingaphantsi ngesi-2 kunama-46

2 less than 46

Ukucwangcisa nokuthelekisa amanani
Ordering and comparing numbers

IZIBALO ZENTLOKO (MENTAL MATHS) · UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → UMSEBENZI WEQELA (GROUP WORK) → UMDLALO (GAME) → IMISEBENZI (ACTIVITIES) → UKUSOMBULULA INGXAKI (PROBLEM SOLVING)

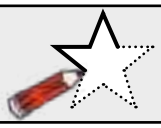
1 Tshatisa.
Match.



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

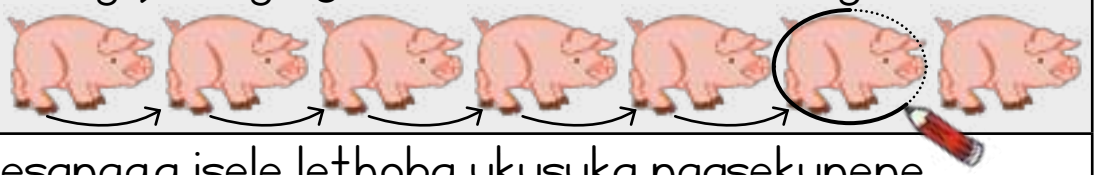
2



Zoba imilo esendaweni … Draw the shape that is …			
yoku-1 1st		yesixhenxe seventh	
yethoba ninth		yesi-3 3rd	
yesi-6 6th		yesi-5 5th	
yesine fourth		yesi-8 8th	
ye-10 10th		yesibini second	
phambi before the 		emva after the 	

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.



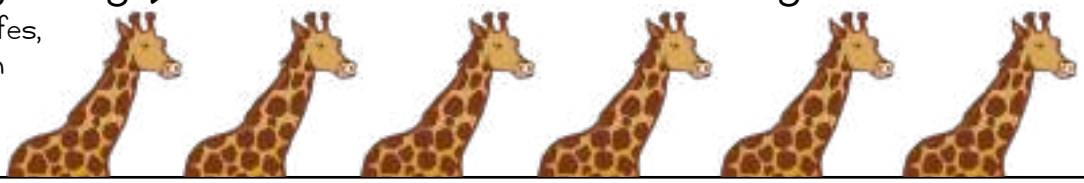
Biyela ngesangqa amabhabhathane asi-7 ukusuka ngasekhohlo.

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.



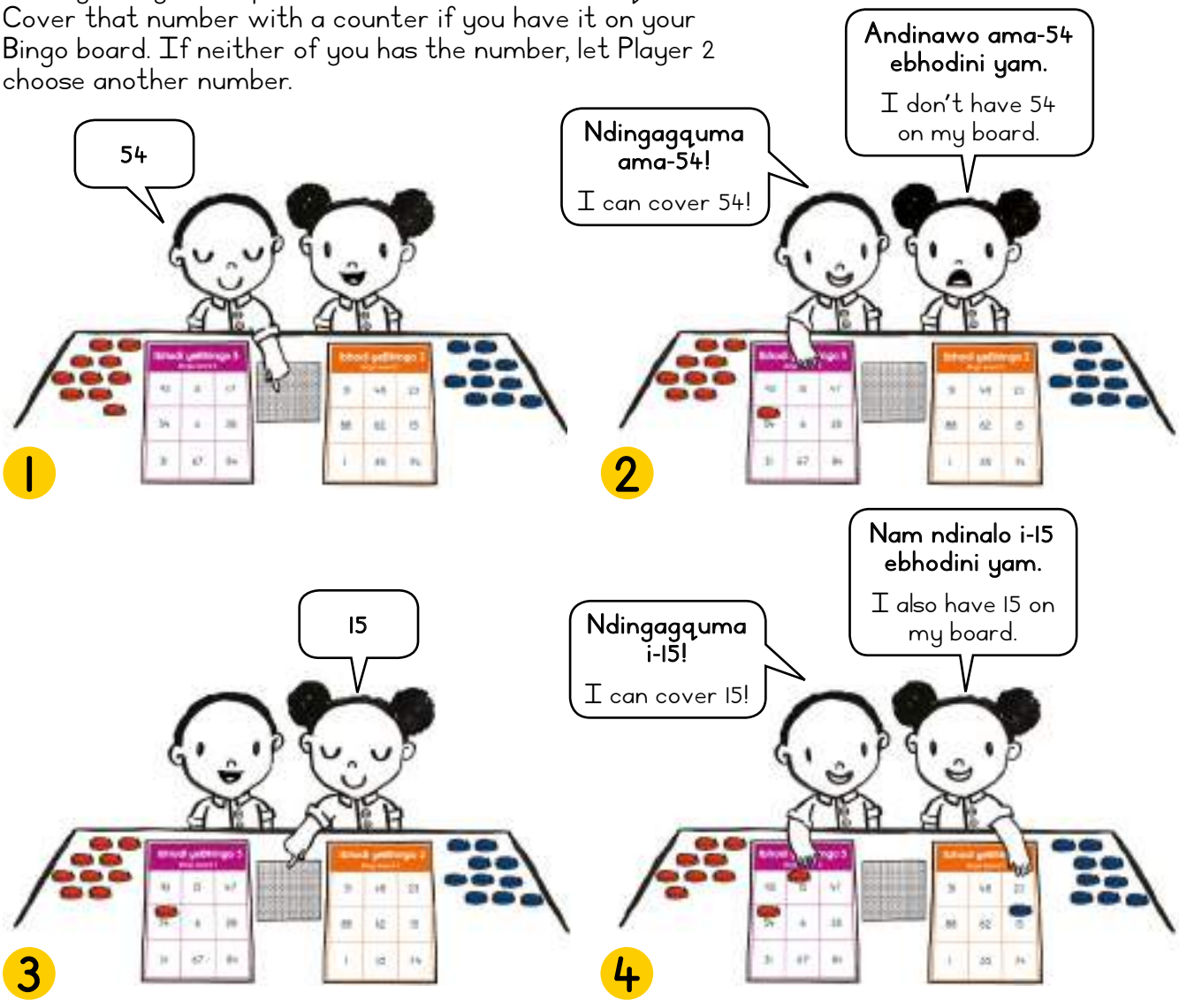
Ukucwangcisa nokuthelekisa amanani
Ordering and comparing numbers

IZIBALO ZENTLOKO MENTAL MATHS | UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

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.



Umntu wokuqala ukugquma onke amanani akwibhodi yeBingo nguye 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

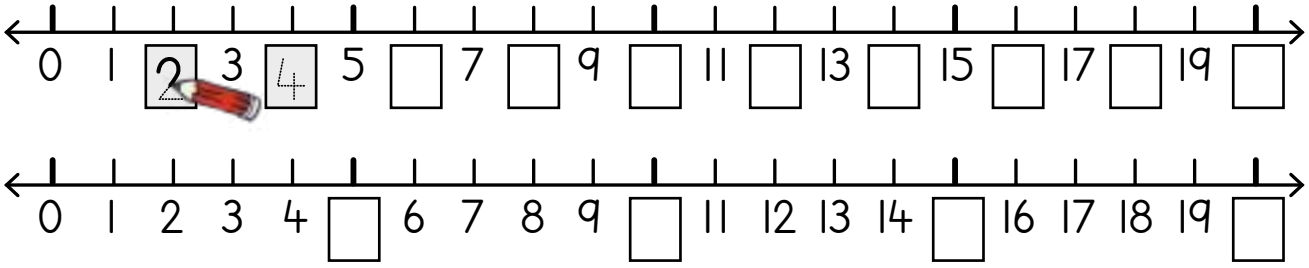
Ibhodi yeBhingo 4

Bingo board 4

39	64	4
76	91	42
21	53	19

1 Fakela amanani ashiyiweyo kule migcamanani.

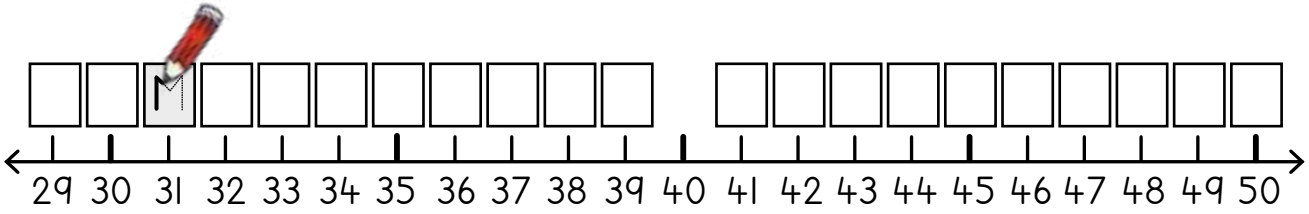
Fill in the missing numbers on the number lines.



2 Bhala oonobumba abachanekileyo ngentla kwamanani achanekileyo kumgcamanani.

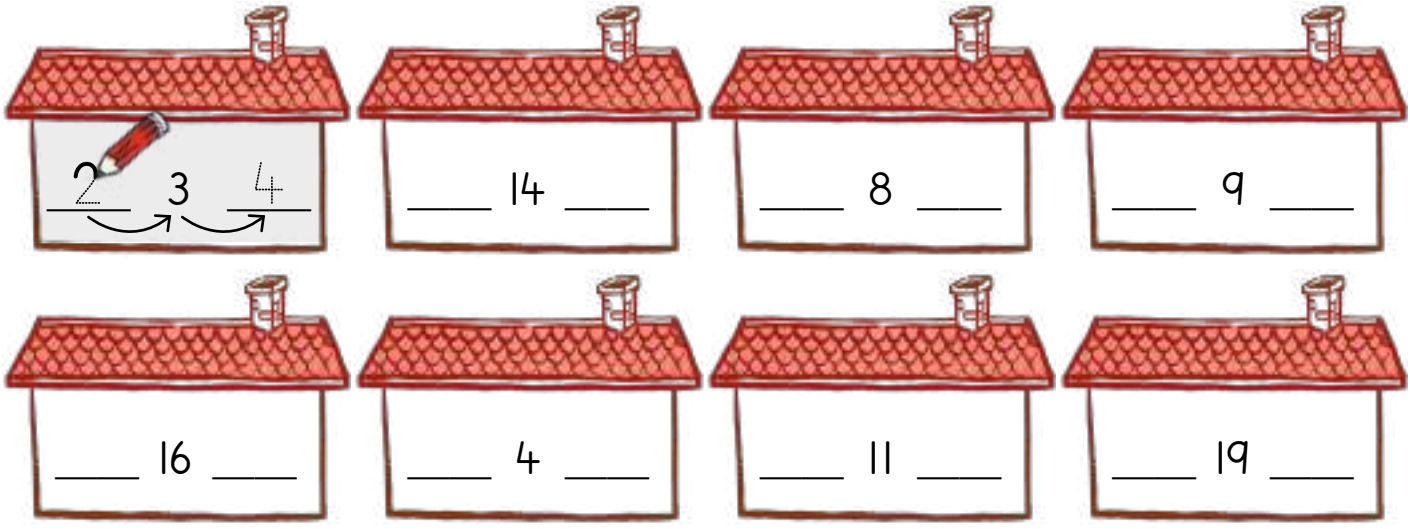
Write the correct letters above the correct numbers on the number line.

31→M	30→A	32→K	29→W	33→E	37→I
36→K	35→E	34→L	42→M	43→K	38→L
39→E	45→O	47→B	44→H	41→E	49→N
48→E	50→I	46→M			



3 Bhala inani eliza **phambi** nasemva kwenani elinikiweyo.

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



Ukubethelela
Consolidation

IZIBALO ZENTLOKO MENTAL MATHS | UVAVANYO ASSESSMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

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.

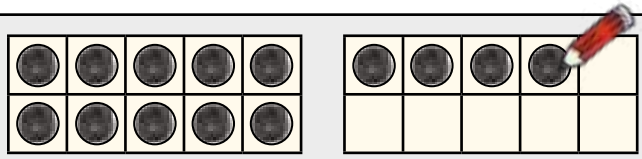
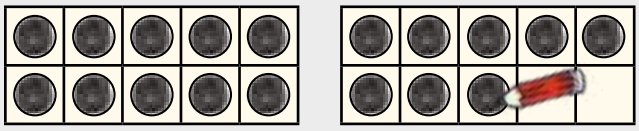
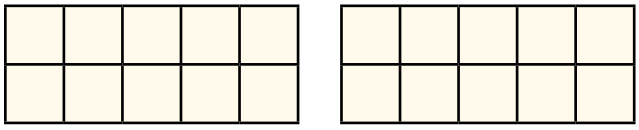
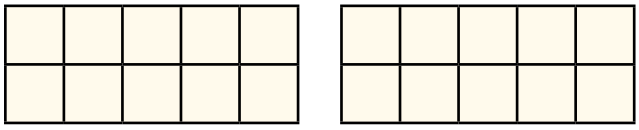
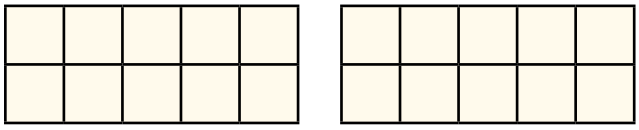
53	54			57					62
56			62	64				72	

3 Bala ubuye umva.
Count backwards.

44	43	42							
72	71			68					

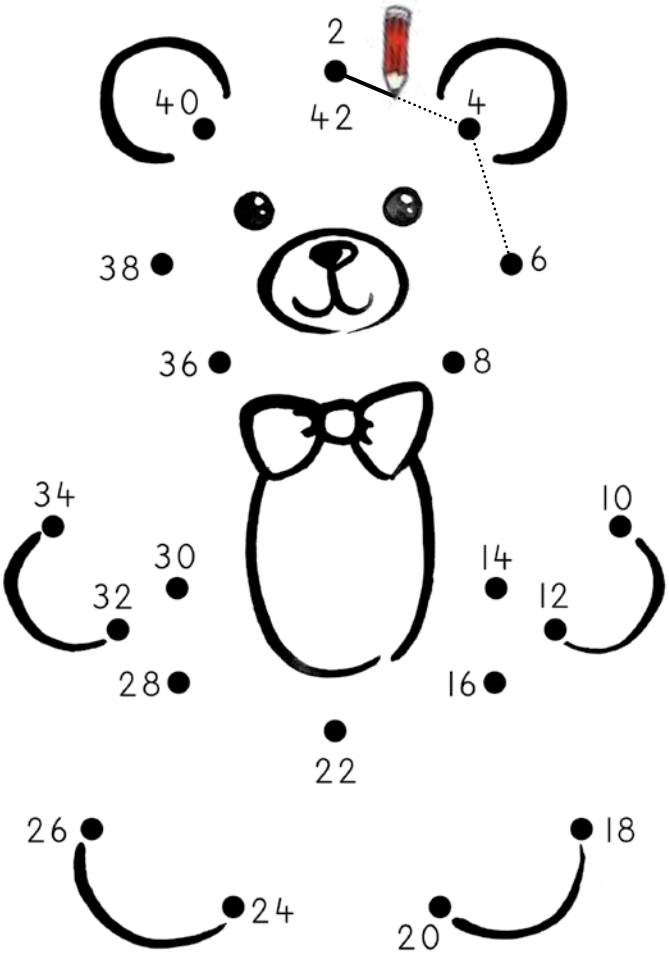
4 Bhala isivakalisi manani uze wenze amachokoza kwizakhelo zeshumi ukuze ubonise amanani.

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.



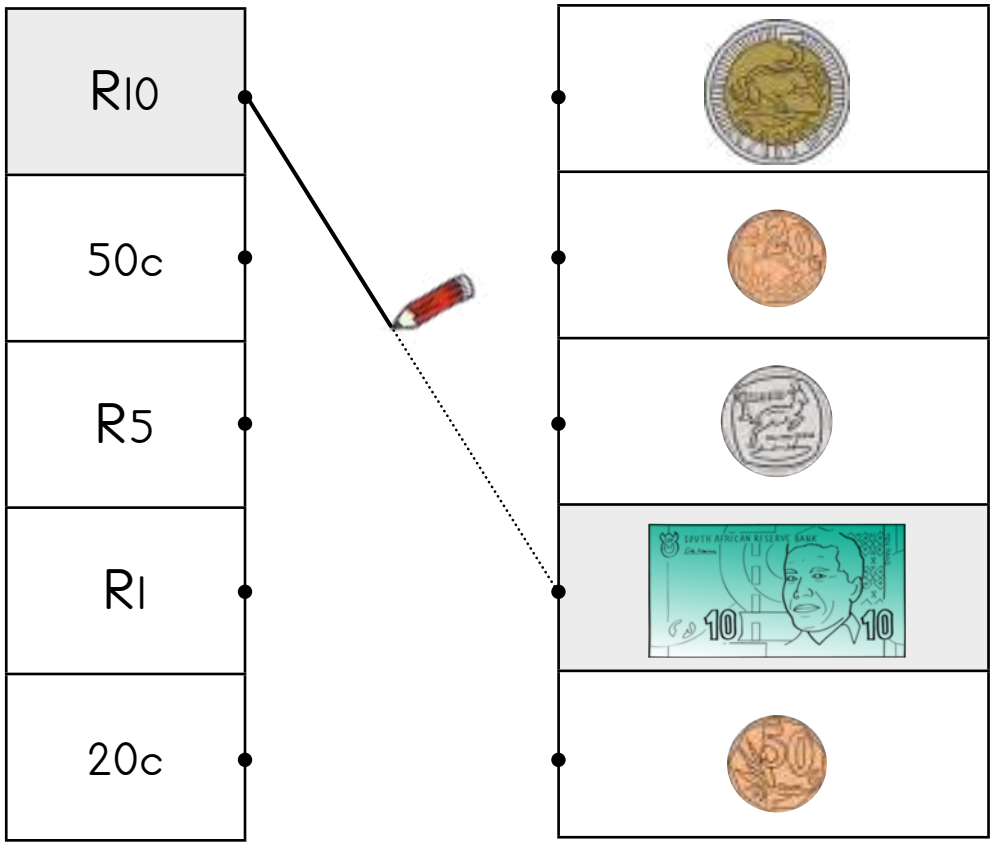
Ukusebenza ngemali
Working with money

IZIBALO ZENTLOKO — MENTAL MATHS
UPHUHLISO LWENGQIQO — CONCEPT DEVELOPMENT
→ UMSEBENZI WEQELA — GROUP WORK
→ UMDLALO — GAME
→ IMISEBENZI — ACTIVITIES
→ UKUSOMBULULA INGXAKI — PROBLEM SOLVING

1 Biyela le mali ngesangqa.
Circle the coins.

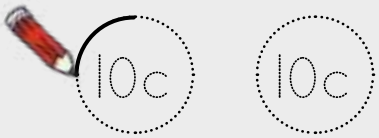
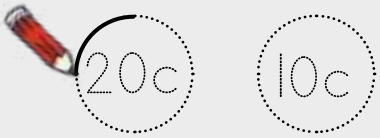
Iingqekembe ze-R1 R1 coins	Iingqekembe ze-R2 R2 coins	Iingqekembe ze-R5 R5 coins
		

2 Krwela umgca otshatisa isixa-mali nomfanekiso.
Draw a line from the amount of money to the matching picture.



3 Zoba iingqekembe ukuze wenze isixa-mali osinikiweyo.

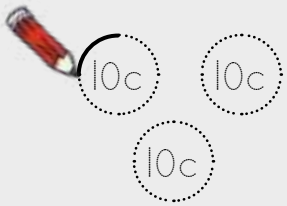
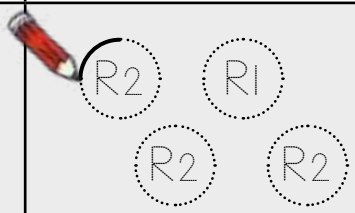
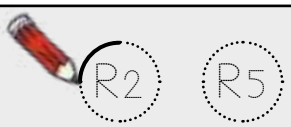
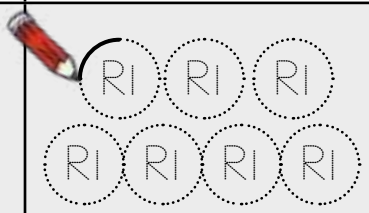
Draw coins to make the amounts.

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

Izibalo zemali
Money calculations

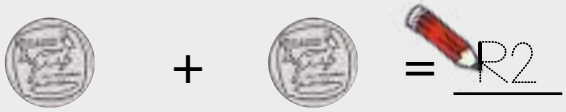
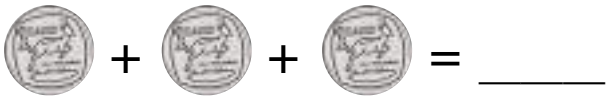
IZIBALO ZENTLOKO / MENTAL MATHS | UPHUHLISO LWENGQIQO / CONCEPT DEVELOPMENT → UMSEBENZI WEQELA / GROUP WORK → UMDLALO / GAME → IMISEBENZI / ACTIVITIES → UKUSOMBULULA INGXAKI / PROBLEM SOLVING

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

30c			
40c			
60c			
80c			
R7			
R3			
R16			

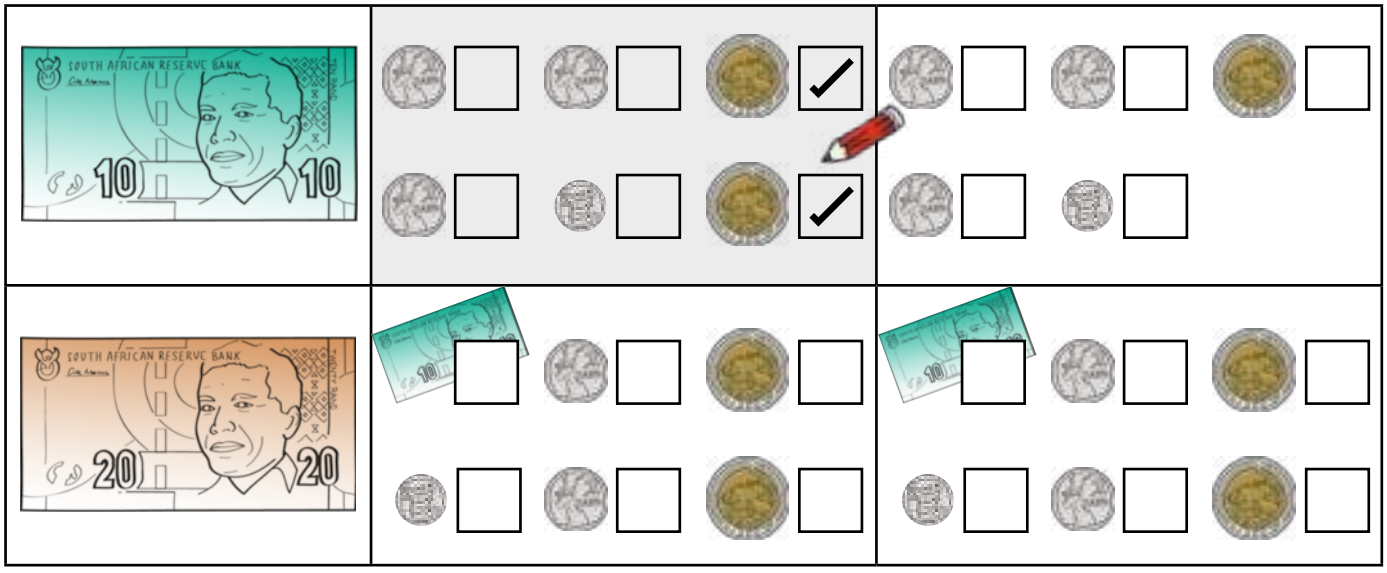
2 Yimalini ekhoyo?

How much money is there?

 = R2	 = R10
 = _____	 = _____
 = _____	 = _____
 = _____	 = _____
 = _____	
 = _____	

3 Tikisha ukuze ubonise imali efanayo.

Tick to show the same amount.



Iingxaki zamagama zokudibanisa nokuthabatha (imeko yemali)
Addition and subtraction word problems (money context)

IZIBALO ZENTLOKO MENTAL MATHS | UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

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.

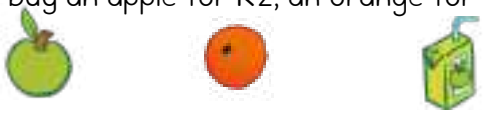
Use the price list to work out the change if you pay with R10.

	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?



_____ + _____ + _____ = _____

Iingxaki zamagama zokudibanisa nokuthabatha (imeko yemali)
Addition and subtraction word problems (money context)

IZIBALO ZENTLOKO MENTAL MATHS | UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

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.



_____ – _____ = _____

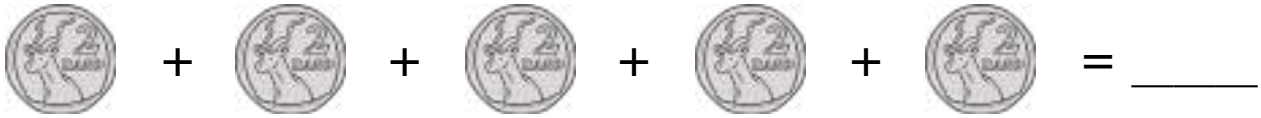
3

	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. 		

Ukubethelela
Consolidation

IZIBALO ZENTLOKO MENTAL MATHS | UVAVANYO ASSESSMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

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) | UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → UMSEBENZI WEQELA (GROUP WORK) → UMDLALO (GAME) → IMISEBENZI (ACTIVITIES) → UKUSOMBULULA INGXAKI (PROBLEM SOLVING)

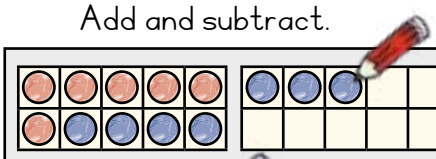
1 Gqibezela itheyibhile. Bhala izivakalisi manani ezine ezahlukileyo.

Complete the table. Write four different number sentences.

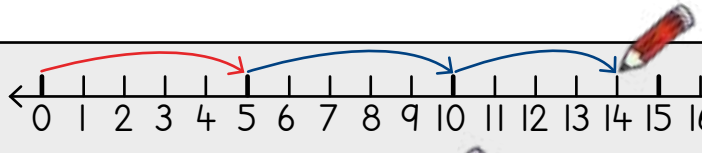
	16 7 | 9	7 + 9 = 16 9 + 7 = 16	16 − 9 = 7 16 − 7 = 9
	 5 | 8	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___
	11 | 7	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___
	 8 | 9	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___
	15 | 6	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___
	 6 | 8	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___

2 Dibanisa uze uthabathe.

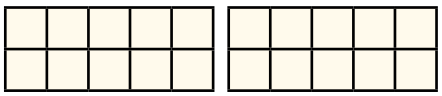
Add and subtract.



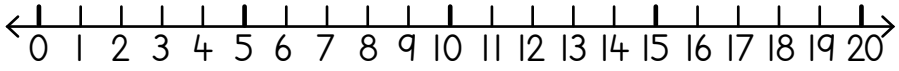
6 + 7 = 13



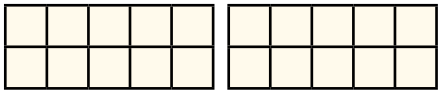
5 + 9 = 14



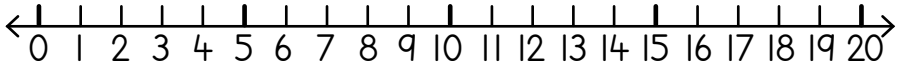
17 − 9 = ____



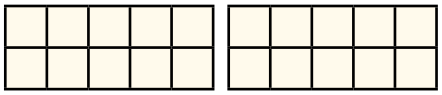
14 − 6 = ____



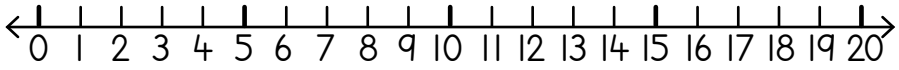
8 + ____ = 12



9 + ____ = 18



15 − ____ = 8



11 − ____ = 4

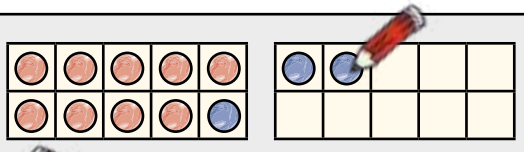
3 Sombulula ezi ngxaki.

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?



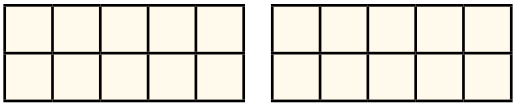


9 + 3 = 12

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?

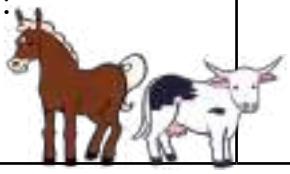


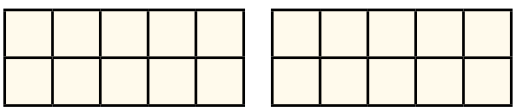


____ + ____ = ____

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?



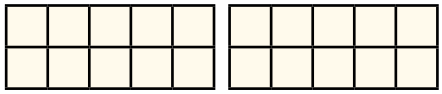
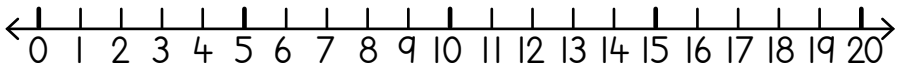
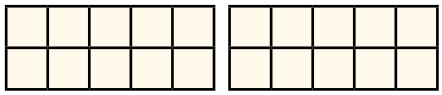
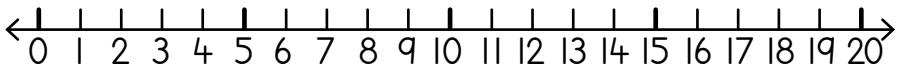
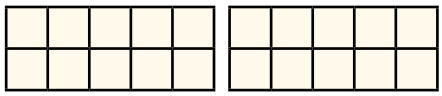
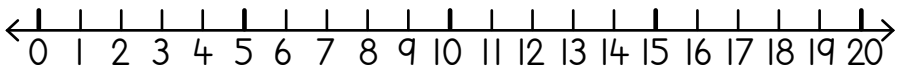
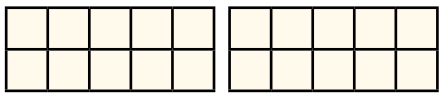
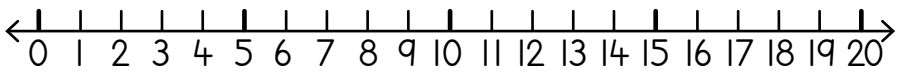


____ − ____ = ____

Ukudibanisa nokuthabatha
Addition and subtraction

IZIBALO ZENTLOKO (MENTAL MATHS) | UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → UMSEBENZI WEQELA (GROUP WORK) → UMDLALO (GAME) → IMISEBENZI (ACTIVITIES) → UKUSOMBULULA INGXAKI (PROBLEM SOLVING)

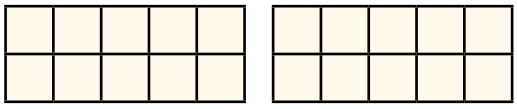
1 Dibanisa uze uthabathe.
Add and subtract.

 5 + 10 = ____	 6 + 11 = ____
 20 – 8 = ____	 15 – 6 = ____
 5 + ____ = 11	 9 + ____ = 13
 17 – ____ = 8	 12 – ____ = 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?

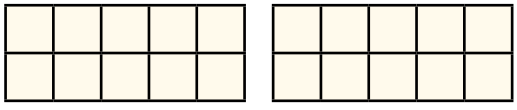




____ + ____ = ____

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?



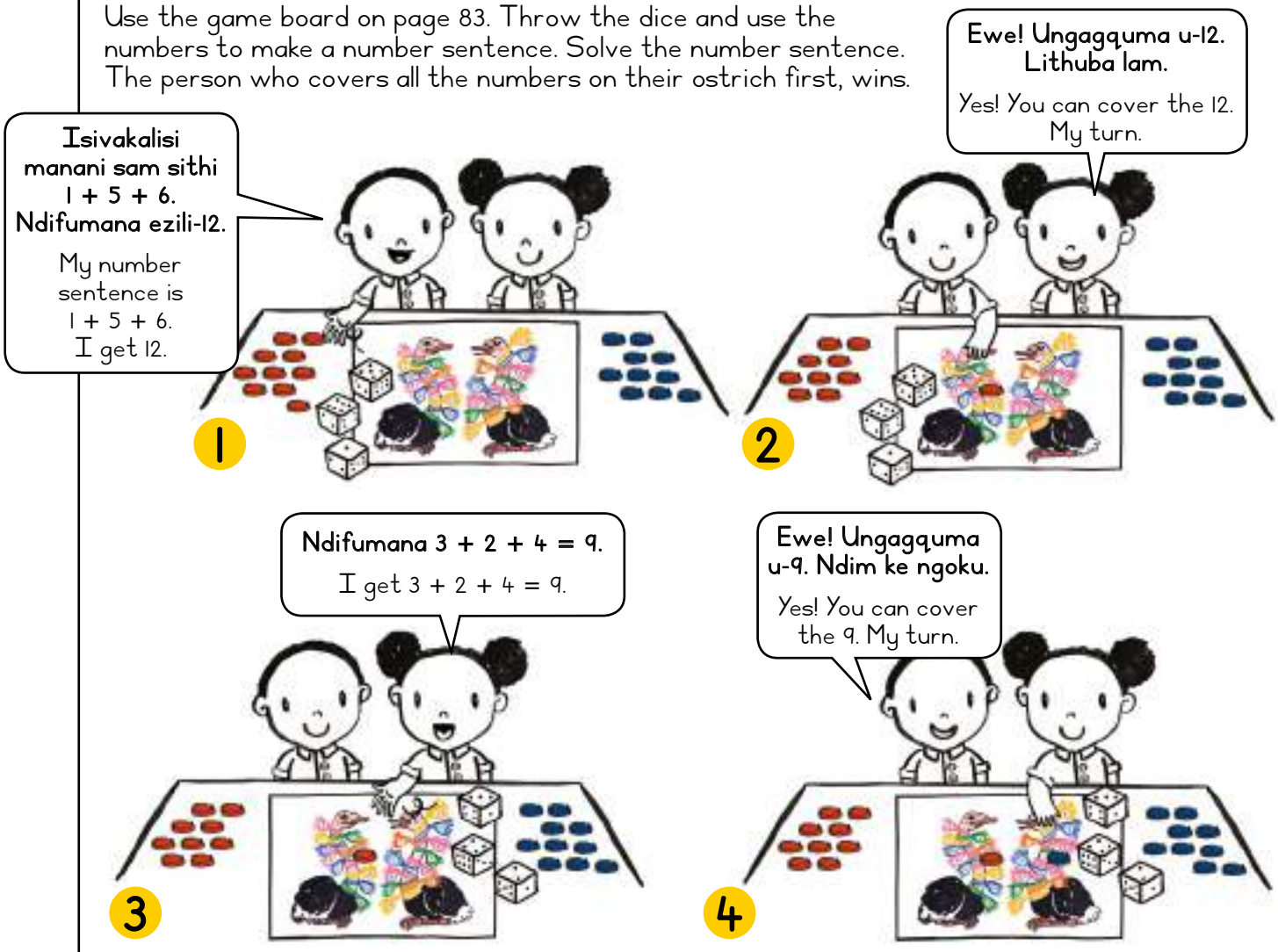


____ – ____ = ____

Umdlalo: Uyolo lokudibanisa
Game: Addition fun

Sebenzisa ibhodi yemidlalo ekwiphepha lama-83. Phosa idayisi uze wenze isivakalisi manani ngamanani owaphosileyo. Sombulula isivakalisi manani. Umntu owagqumа kuqala onke amanani akwinciniba yakhe nguye ophumelelayo.

Use the game board on page 83. 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.



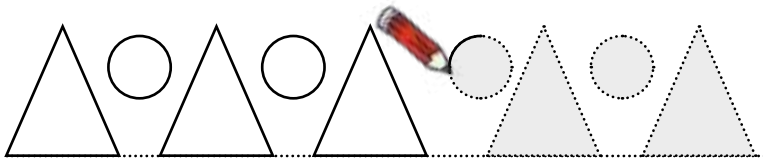


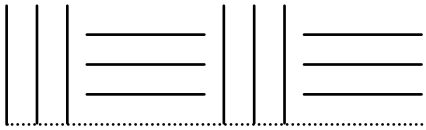
Iipatheni zamanani kunye neepatheni zejiyometri
Number and geometric patterns

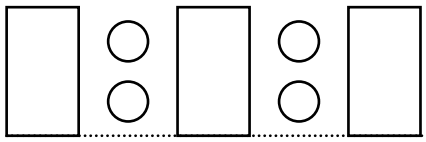
IZIBALO ZENTLOKO (MENTAL MATHS) | UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → UMSEBENZI WEQELA (GROUP WORK) → UMDLALO (GAME) → IMISEBENZI (ACTIVITIES) → UKUSOMBULULA INGXAKI (PROBLEM SOLVING)

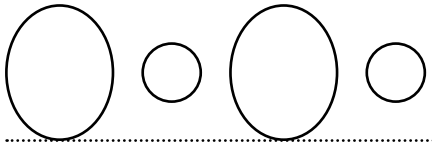
1 Qhubeka neepatheni.

Continue the patterns.



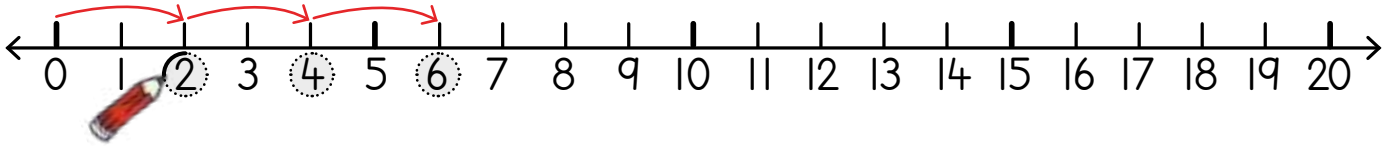






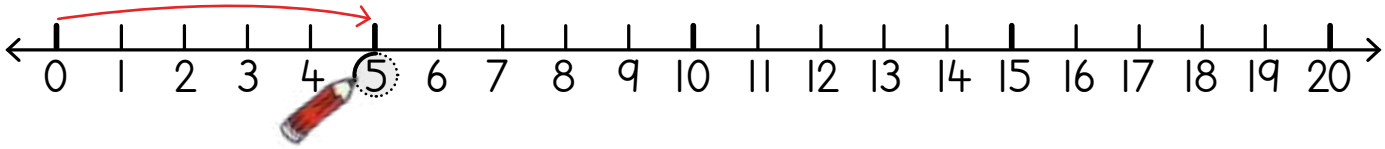
2 Bala ngezi-2. Biyela ngesangqa amanani owabizayo.

Count in 2s. Circle the numbers you say.



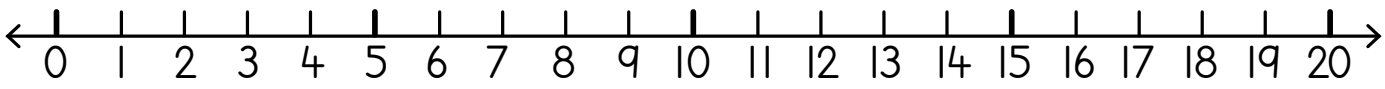
Bala ngezi-5. Biyela ngesangqa amanani owabizayo.

Count in 5s. Circle the numbers you say.



Bala ngama-10. Biyela ngesangqa amanani owabizayo.

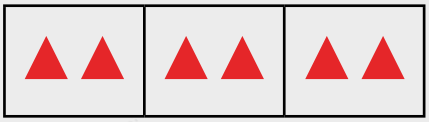
Count in 10s. Circle the numbers you say.



3 Bala uze ubhale izivakalisi manani.

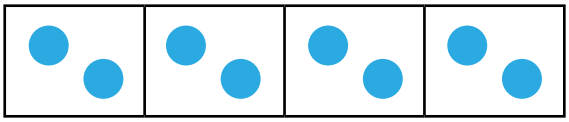
Count and write the number sentences.

oonxantathu
triangles



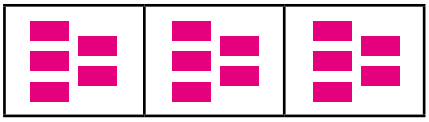
2 + 2 + 2 = 6

izangqa
circles



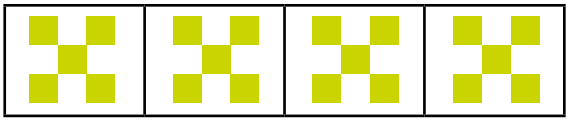
___ + ___ + ___ + ___ = ___

iingxande
rectangles



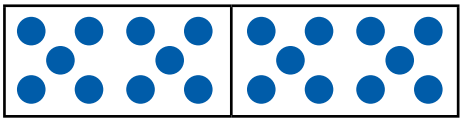
___ + ___ + ___ = ___

izikwere
squares



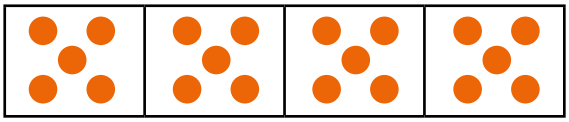
___ + ___ + ___ + ___ = ___

izangqa
circles



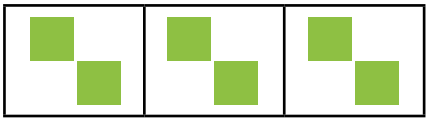
___ + ___ = ___

izangqa
circles



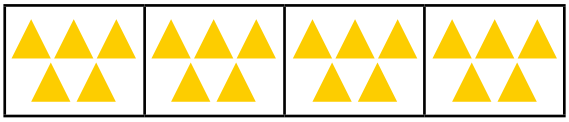
___ + ___ + ___ + ___ = ___

izikwere
squares



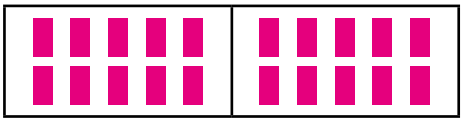
___ + ___ + ___ = ___

oonxantathu
triangles



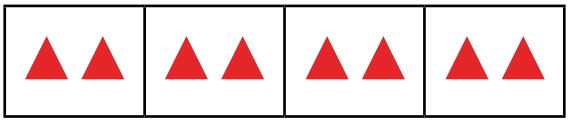
___ + ___ + ___ + ___ = ___

iingxande
rectangles



___ + ___ = ___

oonxantathu
triangles



___ + ___ + ___ + ___ = ___

Ipatheni zamanani
Number patterns

IZIBALO ZENTLOKO (MENTAL MATHS) | UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → UMSEBENZI WEQELA (GROUP WORK) → UMDLALO (GAME) → IMISEBENZI (ACTIVITIES) → UKUSOMBULULA INGXAKI (PROBLEM SOLVING)

1 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 ☐

.....

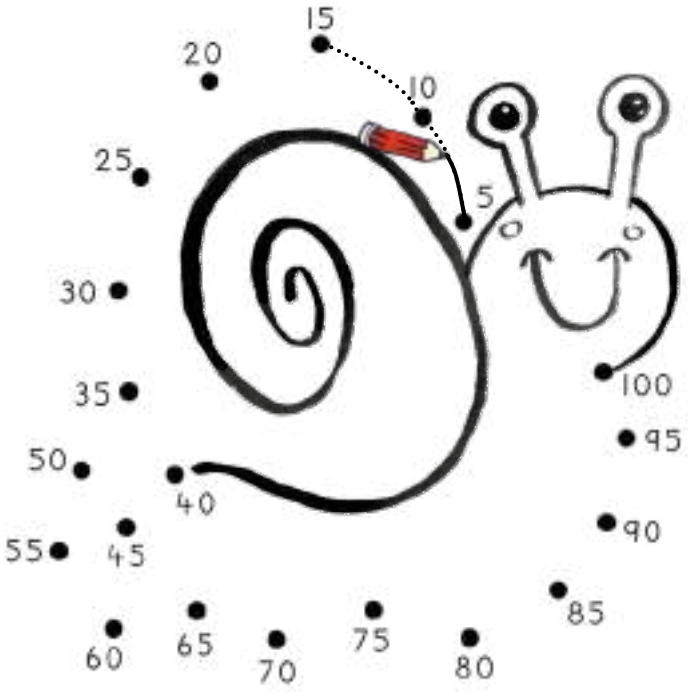
		40	45			60			

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.



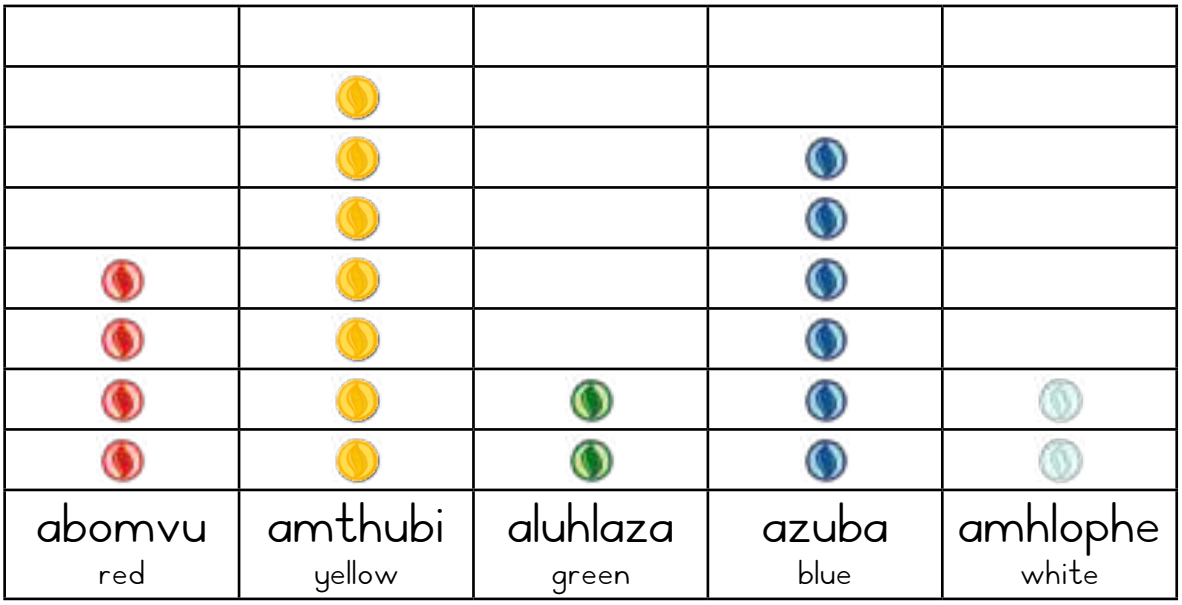
Ukubethelela
Consolidation

IZIBALO ZENTLOKO MENTAL MATHS | UVAVANYO ASSESSMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

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



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 ☐

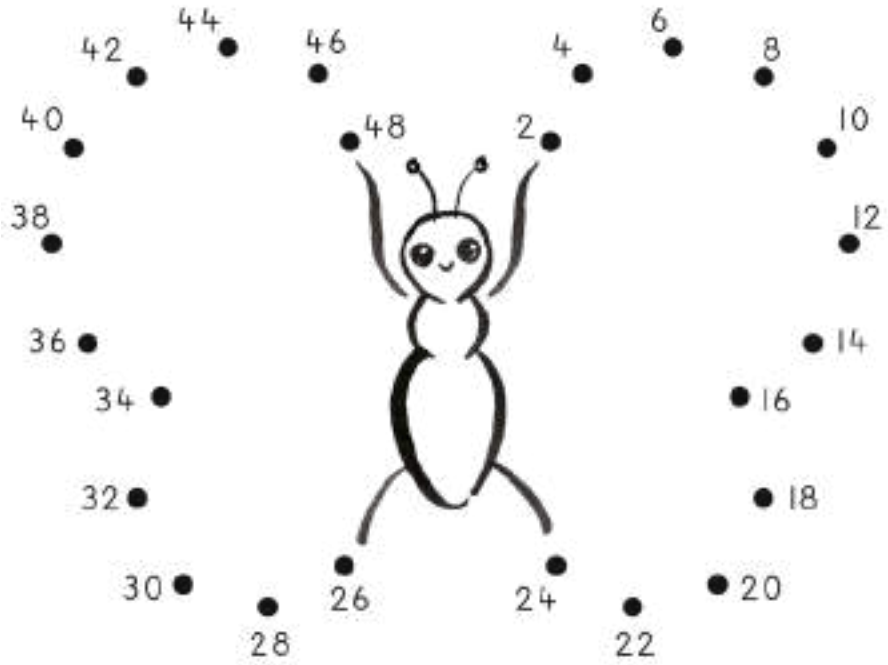
3 Gqibezela itheyibhile. Bhala izivakalisi manani ezine ezahlukileyo.

Complete the table. Write four different number sentences.

	12 5 |	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___
	 4 | 7	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___
	14 | 8	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___
	 9 | 8	___ + ___ = ___ ___ + ___ = ___	___ − ___ = ___ ___ − ___ = ___

4 Dibanisa amachokoza ngokubala ngezi-2.

Count in 2s and join the dots.



Ixesha – imini, ubusuku, izolo, namhlanje, ngomso
Time – day, night, yesterday, today, tomorrow

IZIBALO ZENTLOKO MENTAL MATHS | UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

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.

Ixesha – iinyanga zonyaka neentsuku zeveki
Time – months of the year and days of the week

IZIBALO ZENTLOKO MENTAL MATHS | UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

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



Iingxaki zamagama zokudibanisa nokuthabatha
Addition and subtraction word problems

IZIBALO ZENTLOKO (MENTAL MATHS) · UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → UMSEBENZI WEQELA (GROUP WORK) → UMDLALO (GAME) → IMISEBENZI (ACTIVITIES) → UKUSOMBULULA INGXAKI (PROBLEM SOLVING)

1 Sombulula iingxaki zamagama.
Solve the word problems.

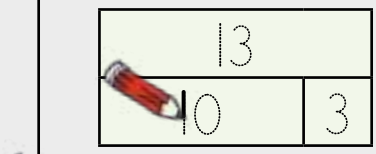


izikwere ezili-10
10 squares



oonxantathu aba-3
3 triangles

Zingaphi iimilo?
How many shapes are there?



10 + 3 = 13

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?



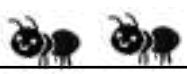
___ − ___ = ___

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?



___ − ___ = ___

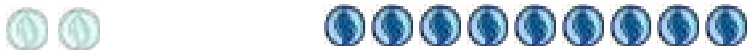
Kukho iimbovane ezili-18 egqabini. Iimbovane ezili-9 ziyokufuna ukutya. Zingaphi iimbovane ezishiyekileyo egqabini?
There are 18 ants on the leaf. 9 ants go to find food.
How many ants are left on the leaf?



___ − ___ = ___

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

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

Ibali lokudibanisa Addition story	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?	7 + 8 = 15
	___ + ___ = ___
	___ + ___ = ___
	___ + ___ = ___
	___ + ___ = ___

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

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

Ibali lokudibanisa Addition story	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?	11 − 5 = 6
	___ − ___ = ___
	___ − ___ = ___
	___ − ___ = ___
	___ − ___ = ___

Iingxaki zamagama zokudibanisa nokuthabatha
Addition and subtraction word problems

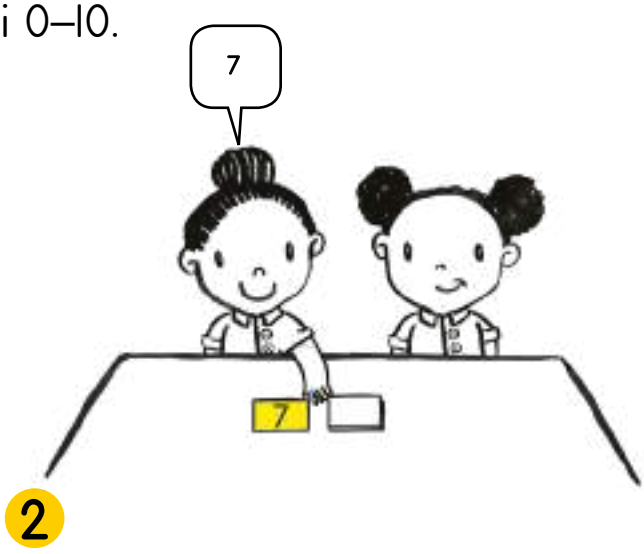
IZIBALO ZENTLOKO MENTAL MATHS | UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

Umdlalo: Yenza inani lam!
Game: Make my number!

Dlalani ngamakhadi enu amanani 0–10.
Play with your 0–10 number cards.

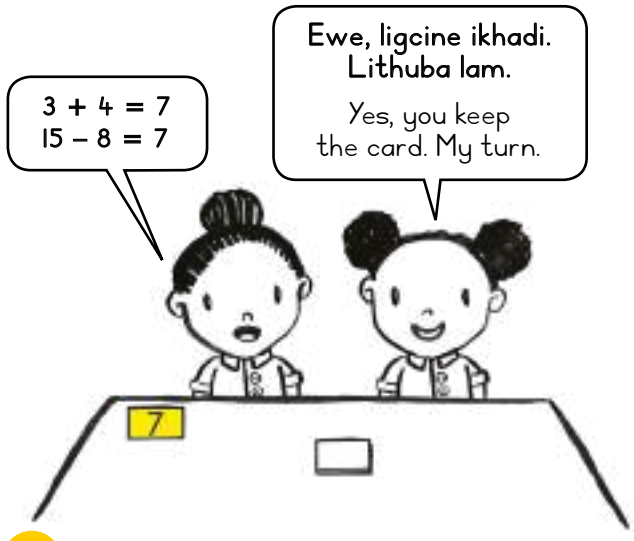


1

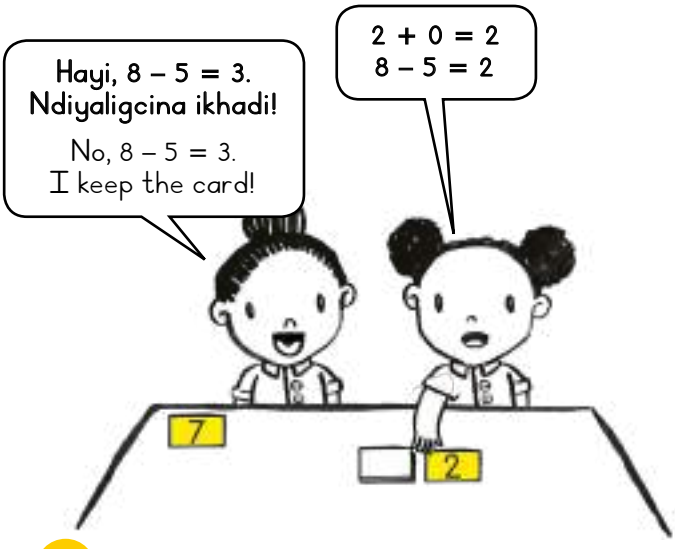


2

Xa uthathe ikhadi, yenza isivakalisi manani sokudibanisa nesinye isivakalisi manani sokuthabatha esilingana inani elikwikhadi lakho.
When you pick up a card, make one addition number sentence and one subtraction number sentence that equal the number shown on your card.



3

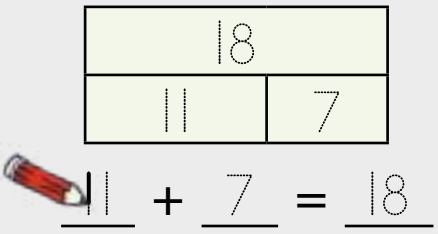
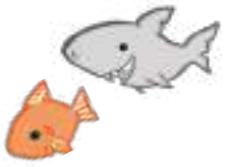
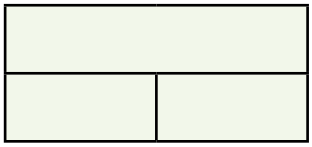
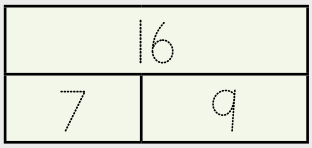
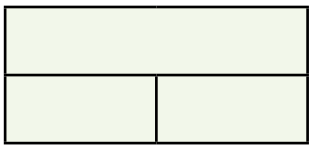
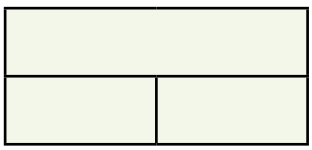


4

Qhuba ade asetyenziswe 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? 	 11 + 7 = 18
Kukho ookrebe aba-3 neentlanzi ezi-9. Zingaphi iintlanzi? There are 3 sharks and 9 fish. How many are there altogether? 	 ___ + ___ = ___
Kukho iintlanzi ezili-16. Ezisi-7 zidade zemka. Zingaphi iintlanzi eziseleyo? There are 16 fish. 7 fish swim away. How many fish are left? 	 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? 	 ___ − ___ = ___
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? 	 ___ − ___ = ___
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? 	 ___ − ___ = ___

Ukubethelela
Consolidation

IZIBALO ZENTLOKO MENTAL MATHS | UVAVANYO ASSESSMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

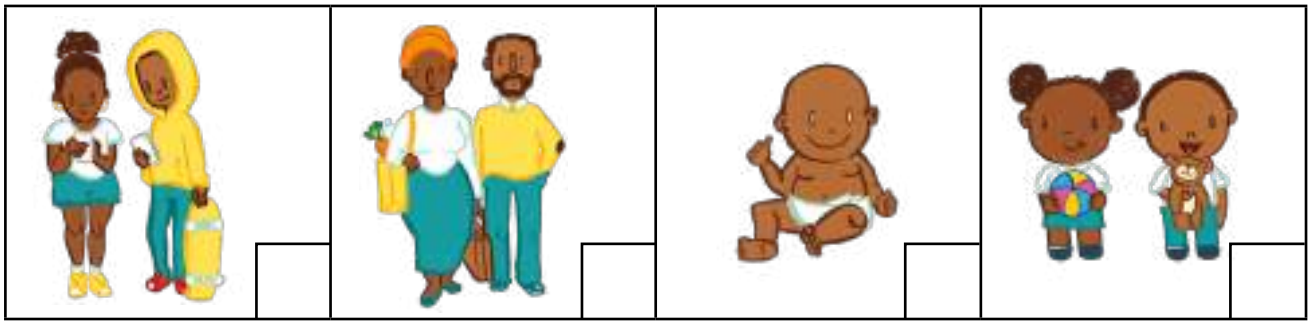
1 Thetha nomhlobo wakho ngento eqhubekayo kumfanekiso ngamnye. Tikisha imisebenzi ethatha ixesha elide uze ufake unonxa kwimisebenzi ethatha ixesha elifutshane.

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. Walk to school.	Ukuya esikolweni ngesithuthi. Drive to school.
 ☐	 ☐
Ukwenza isonka esimnandi. Make a sandwich.	Ukubhaka ikeyiki. Bake a cake.
 ☐	 ☐
Ukusebenza esikolweni. Work at school.	Ukudlala umdlalo wesoka. Play a game of soccer.
 ☐	 ☐
Ukupeyinta indlu. Paint a house.	Ukupeyinta umfanekiso. Paint 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.

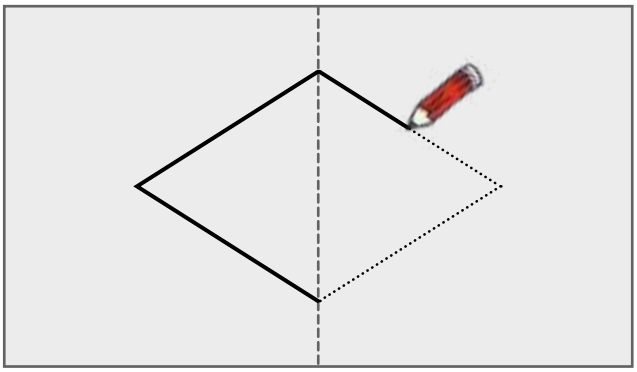
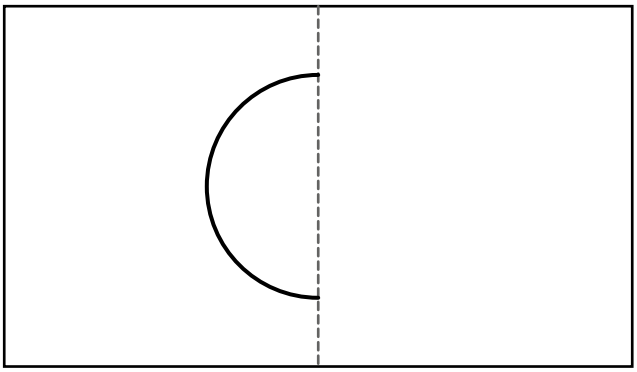
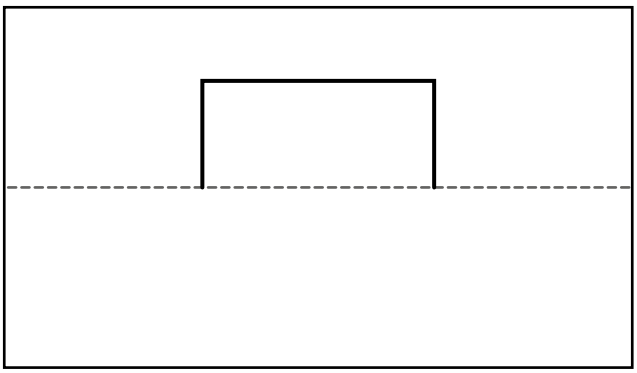
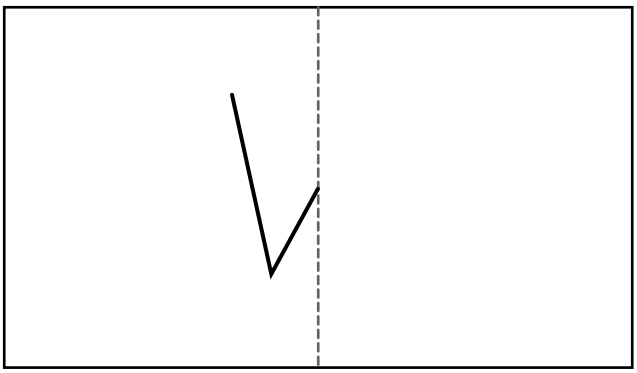
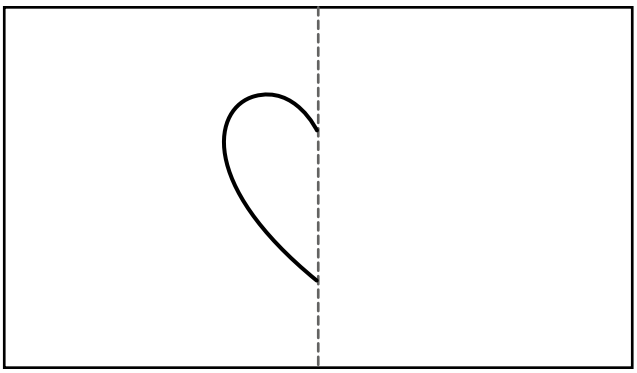
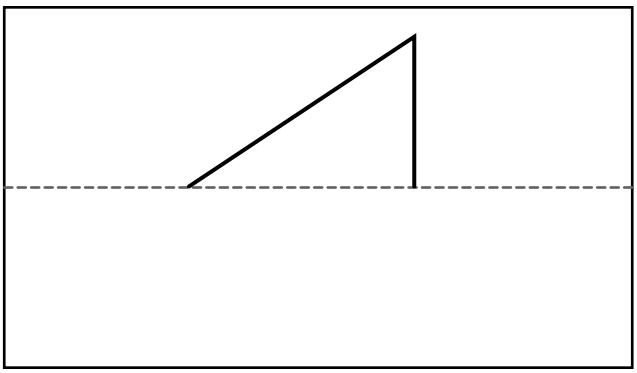
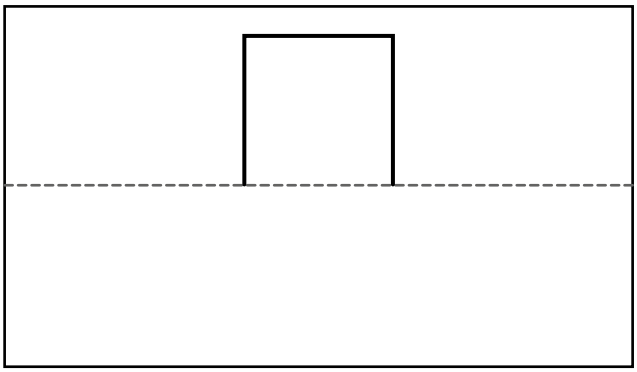
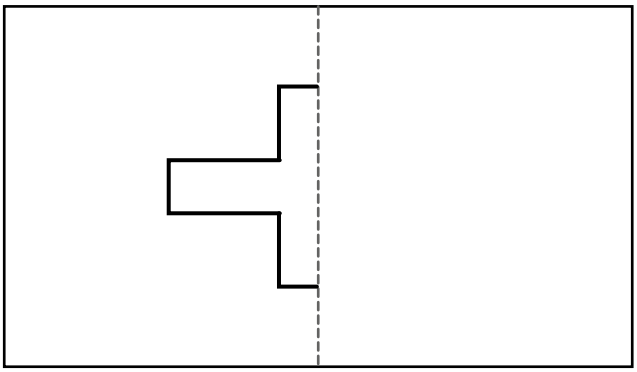
Kukho iintyatyambo ezimthubi ezi-9 neentyatyambo ezipinki ezi-2. Zingaphi iintyatyambo ezikhoyo zizonke? There are 9 yellow flowers and 2 pink flowers. How many flowers are there altogether?	___ + ___ = ___
Kukho iintyatyambo ezili-13 eziorenji. Kukho iintyatyambo ezizuba ezi-6. Zingaphi iintyatyambo ezikhoyo zizonke? There are 13 orange flowers. There are 6 blue flowers. How many flowers are there altogether?	___ + ___ = ___
Kukho iintyatyambo ezili-15. Ndinika umama iintyatyambo ezili-10. Zingaphi iintyatyambo ezishiyekileyo? There are 15 flowers. I give 10 flowers to my mom. How many flowers are left?	___ − ___ = ___

Ulingano-macala
Symmetry

IZIBALO ZENTLOKO MENTAL MATHS | UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

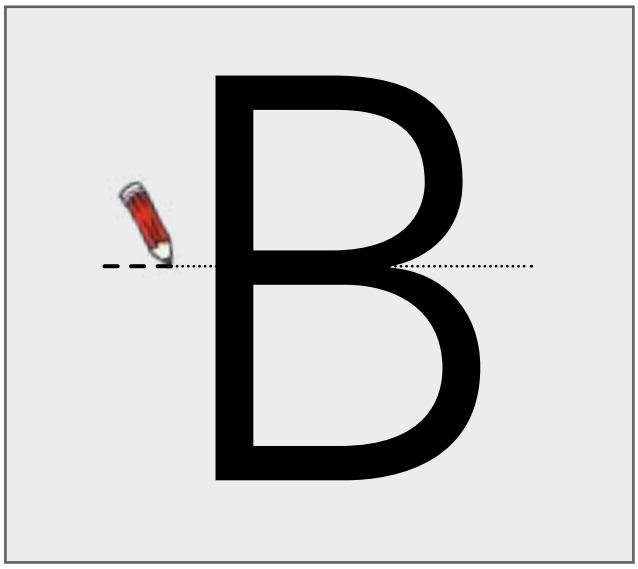
1 Zoba esinye isiqingatha semilo.

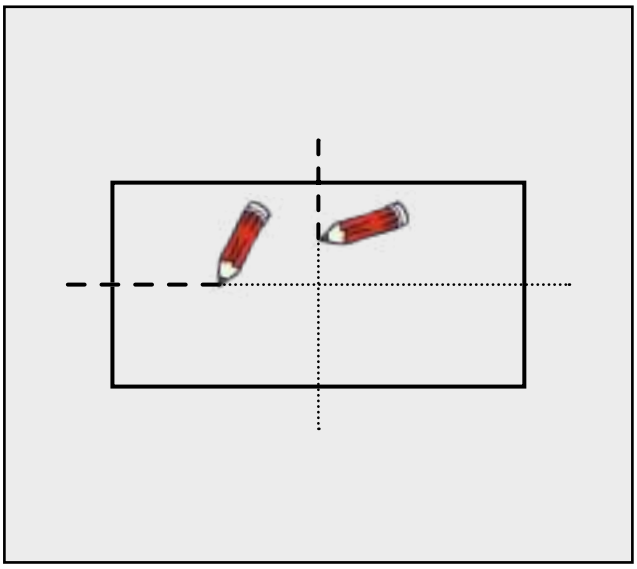
Draw the other half of these shapes.

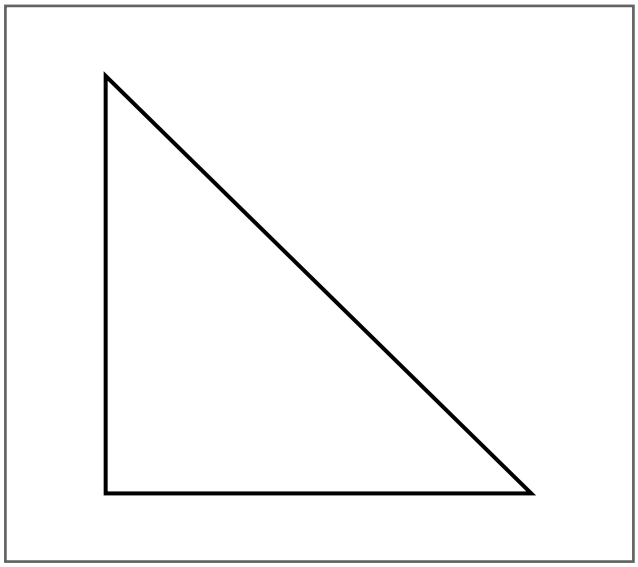









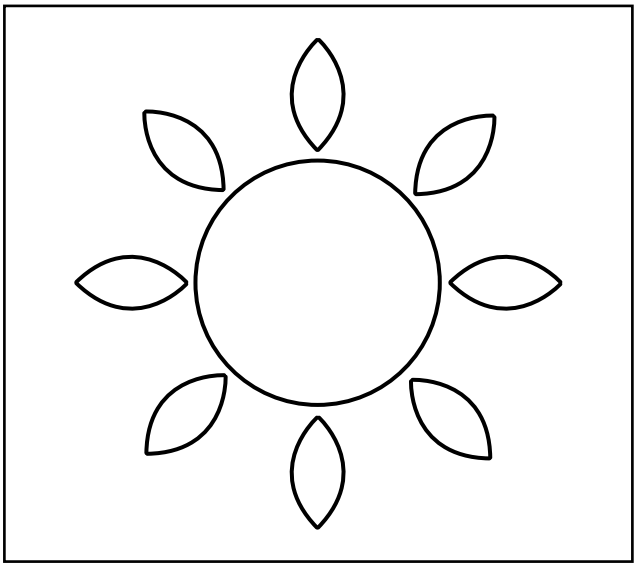
2 Krwela imigca yolingano-macala.

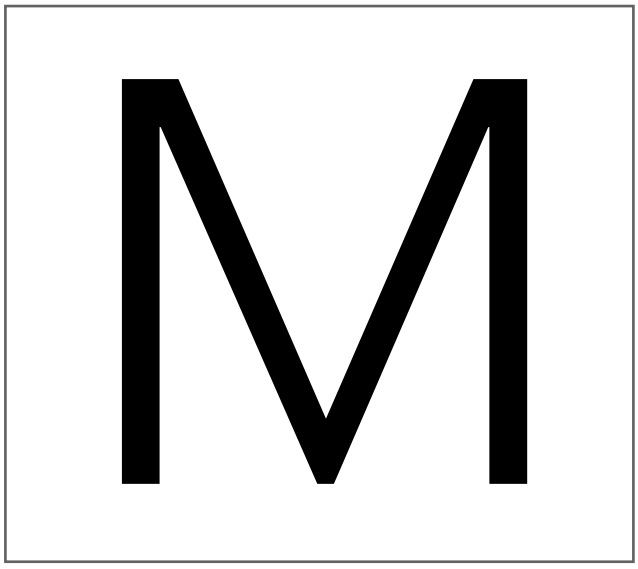
Draw the lines of symmetry.

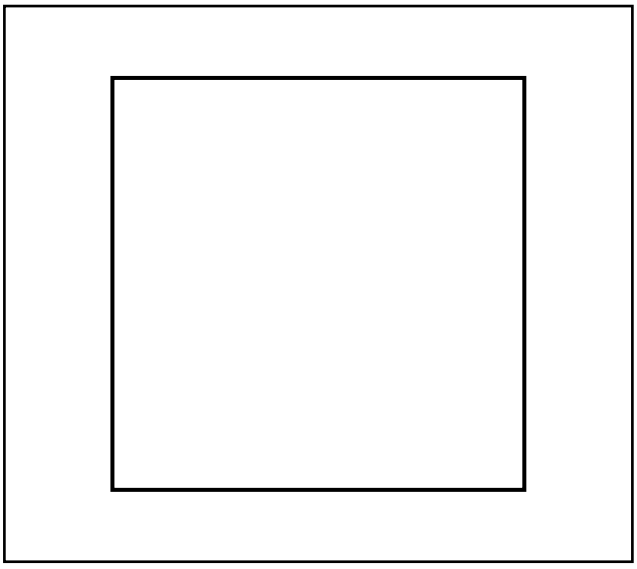










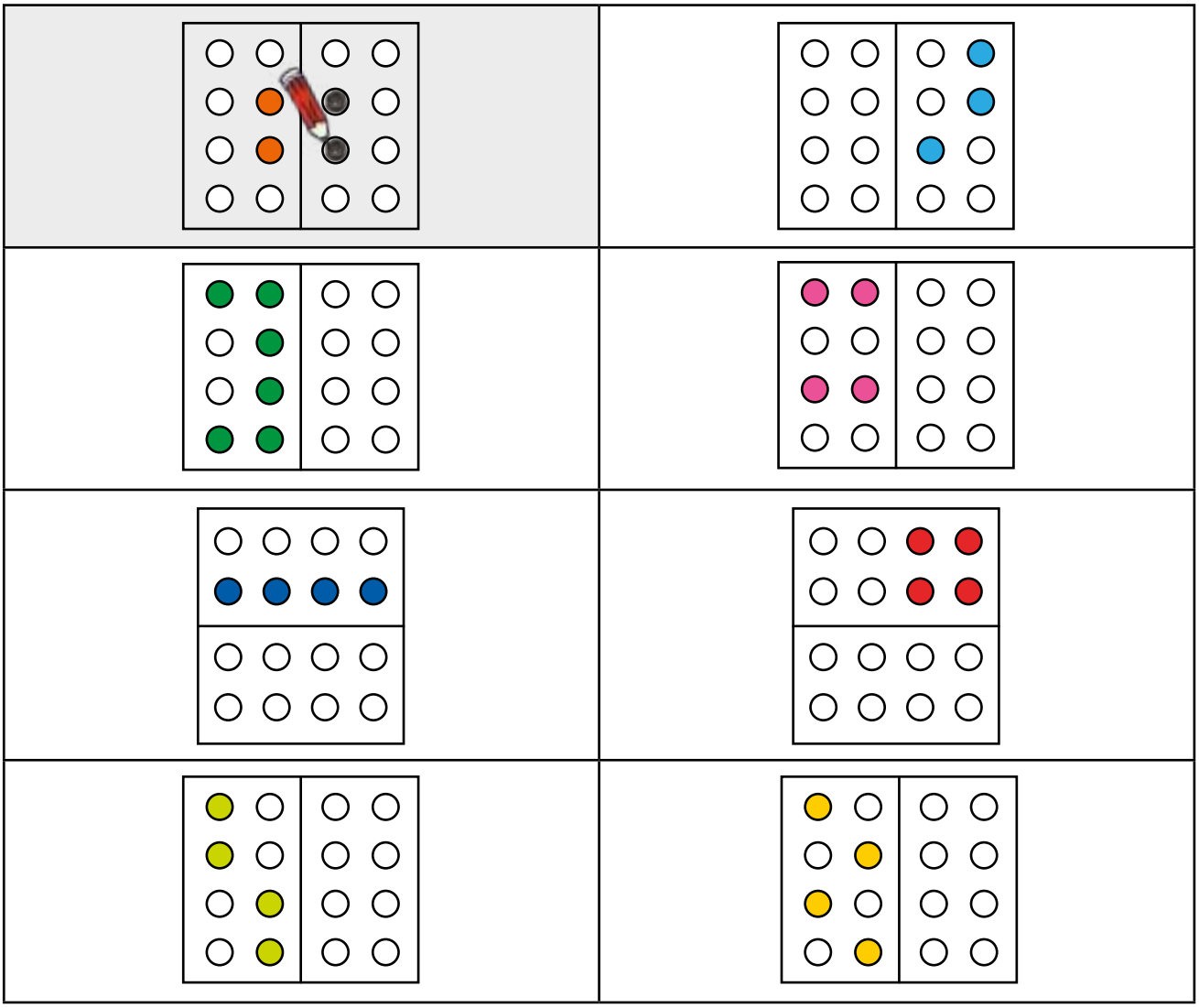


Ulingano-macala
Symmetry

IZIBALO ZENTLOKO (MENTAL MATHS) | UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → UMSEBENZI WEQELA (GROUP WORK) → UMDLALO (GAME) → IMISEBENZI (ACTIVITIES) → UKUSOMBULULA INGXAKI (PROBLEM SOLVING)

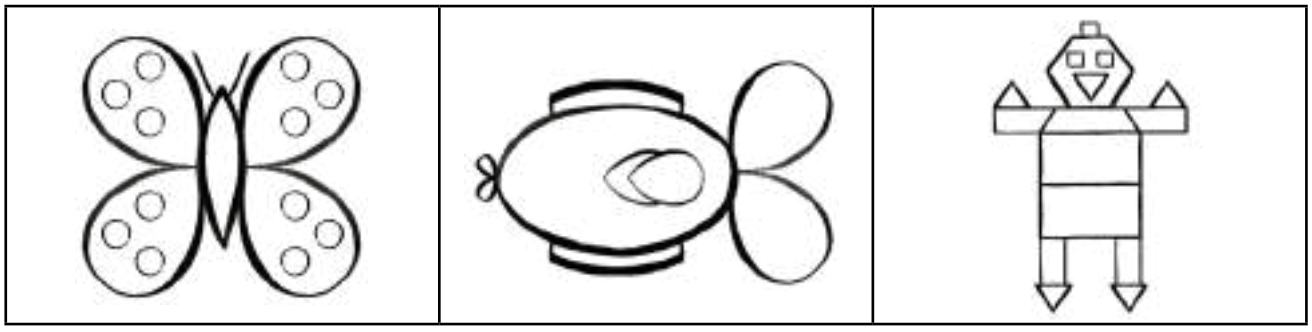
1 Fakela imibala kula machokoza akwelinye icala ukuze imizobo ifane twatse.

Colour the dots in the other half to make the drawing symmetrical.



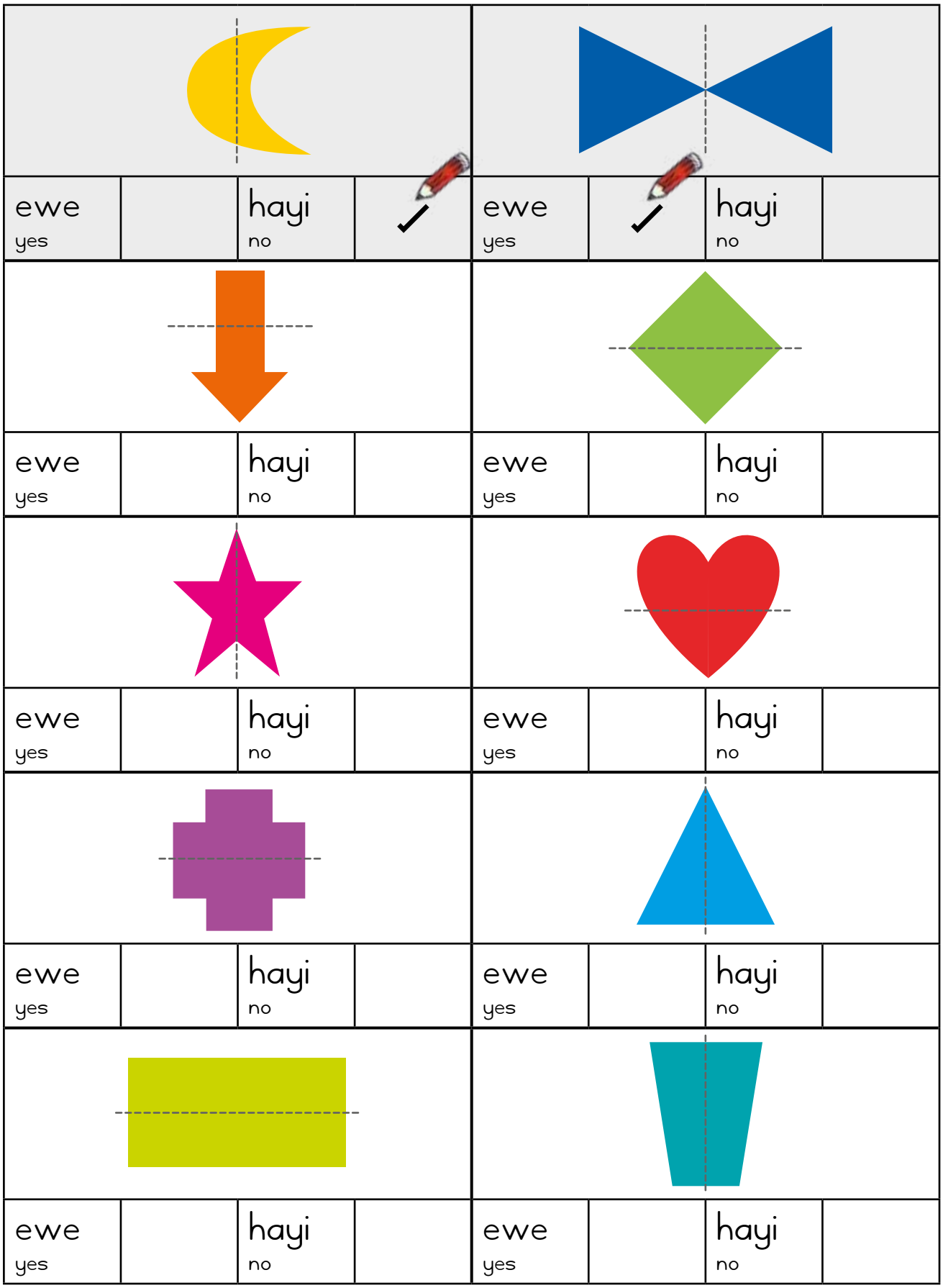
2 Krwela umgca wolingano-macala kumfanekiso ngamnye.

Draw a line of symmetry for each picture.



3 Ingaba umgca onamachokoza ngumgca wolingano-macala? 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 | UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

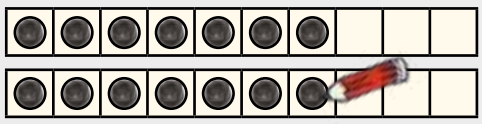
1 Dibanisa. Bhala **iziphindwa kabini**.

Add. 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.

Isi-4 esahlulwe kubini sisi-.

Half of 4 is ___.

Isi-5 esiphindwe kabini li-.

Double 5 is ___.

Isi-7 esipindwe kabini li-.

Double 7 is ___.

Isi-8 esahlulwe kubini sisi-.

Half of 8 is ___.

Isi-8 esiphindwe kabini li-.

Double 8 is ___.

I-12 elahlulwe kubini sisi-.

Half of 12 is ___.

Isi-6 esiphindwe kabini li-.

Double 6 is ___.

I-16 elahlulwe kubini sisi-.

Half of 16 is ___.

I-9 eliphindwe kabini li-.

Double 9 is ___.

Isi-6 esahlulwe kubini sisi-.

Half of 6 is ___.

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	7

20	

18	

2	
1	1

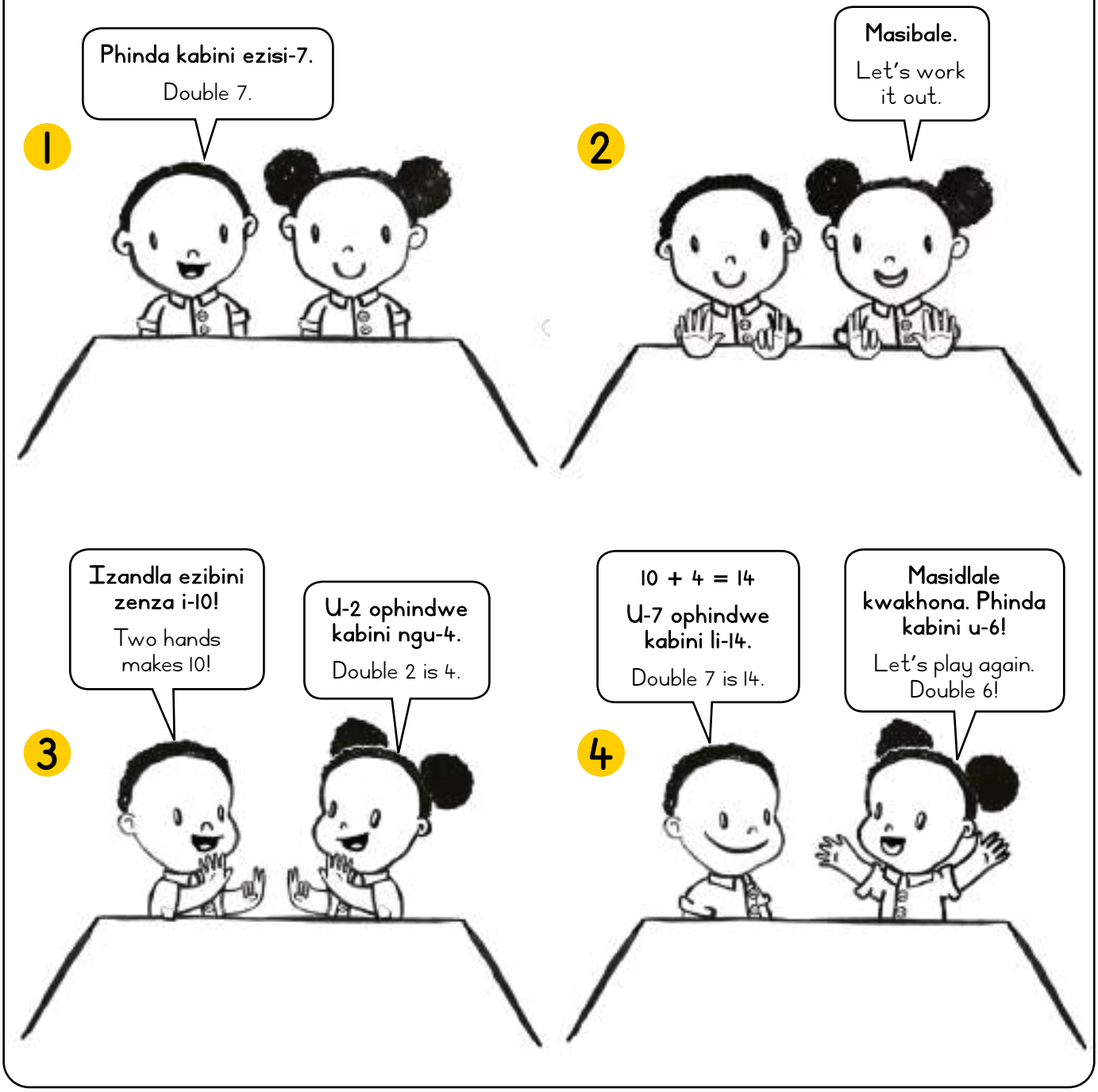
8	

6	

Ukuphinda kabini nokwahlula kubini
Doubling and halving

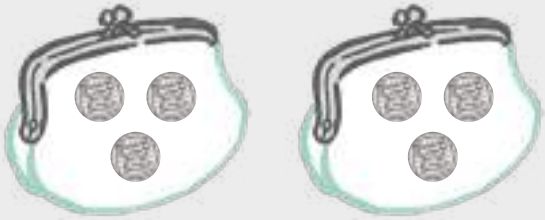
IZIBALO ZENTLOKO (MENTAL MATHS) | UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → UMSEBENZI WEQELA (GROUP WORK) → UMDLALO (GAME) → IMISEBENZI (ACTIVITIES) → UKUSOMBULULA INGXAKI (PROBLEM SOLVING)

Umdlalo: Phinda kabini
Game: Doubling

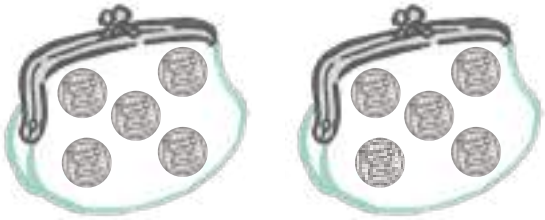


1 Phinda le mali kabini. Yimalini iyonke?

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-_____.

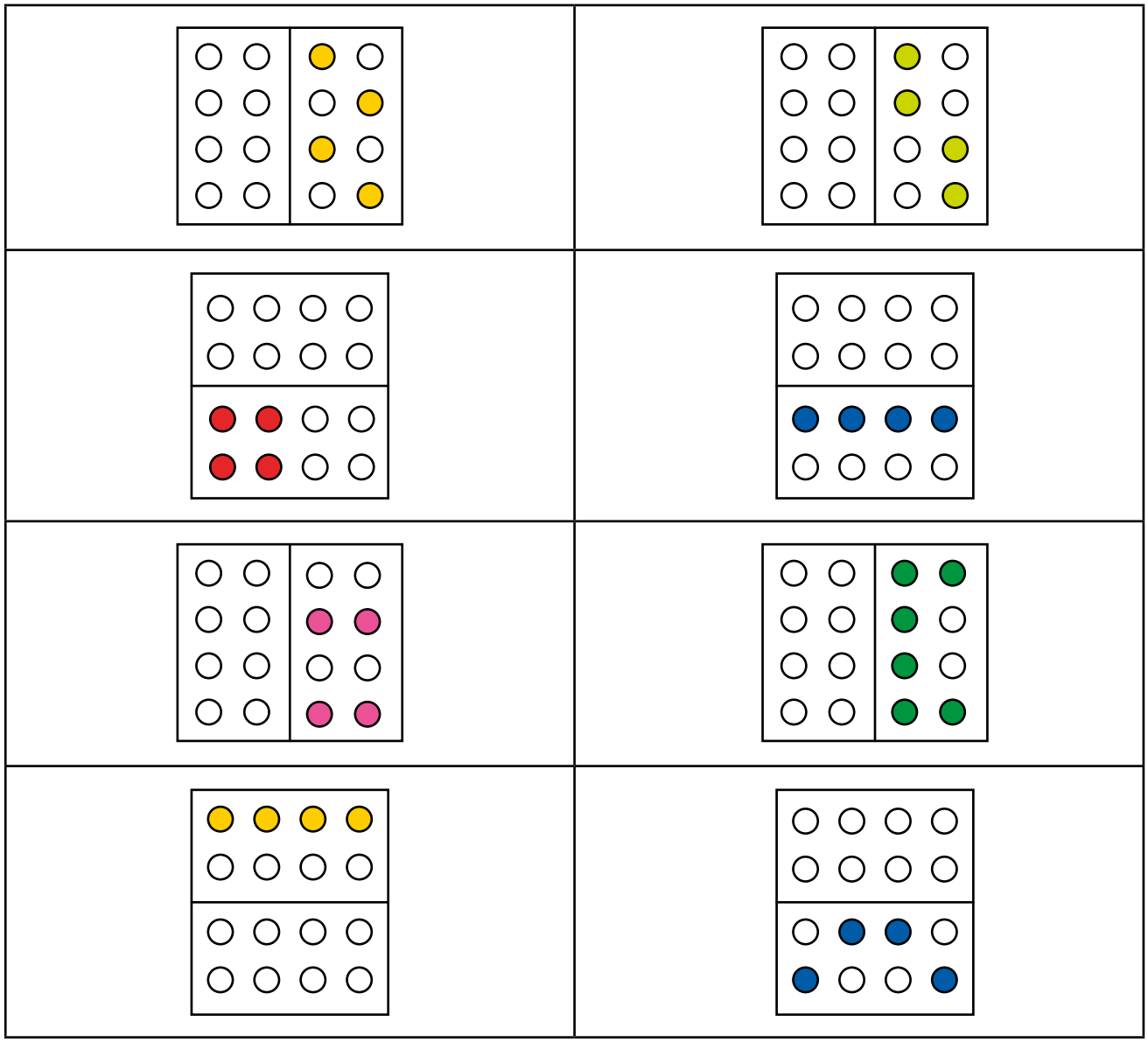
Half of R10 is _____.

Ukubethelela
Consolidation

IZIBALO ZENTLOKO MENTAL MATHS | UVAVANYO ASSESSMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

1 Fakela umbala kumachokoza akwelinye icala ukuze wenze umzobo onolingano-macala.

Colour the dots in the other half to make the drawing symmetrical.



2 Gqibezela iitheyibhile zamanani ukuze ubonise ukuphinda kabini neehafu.

Complete the number tables to show double and half.

14	

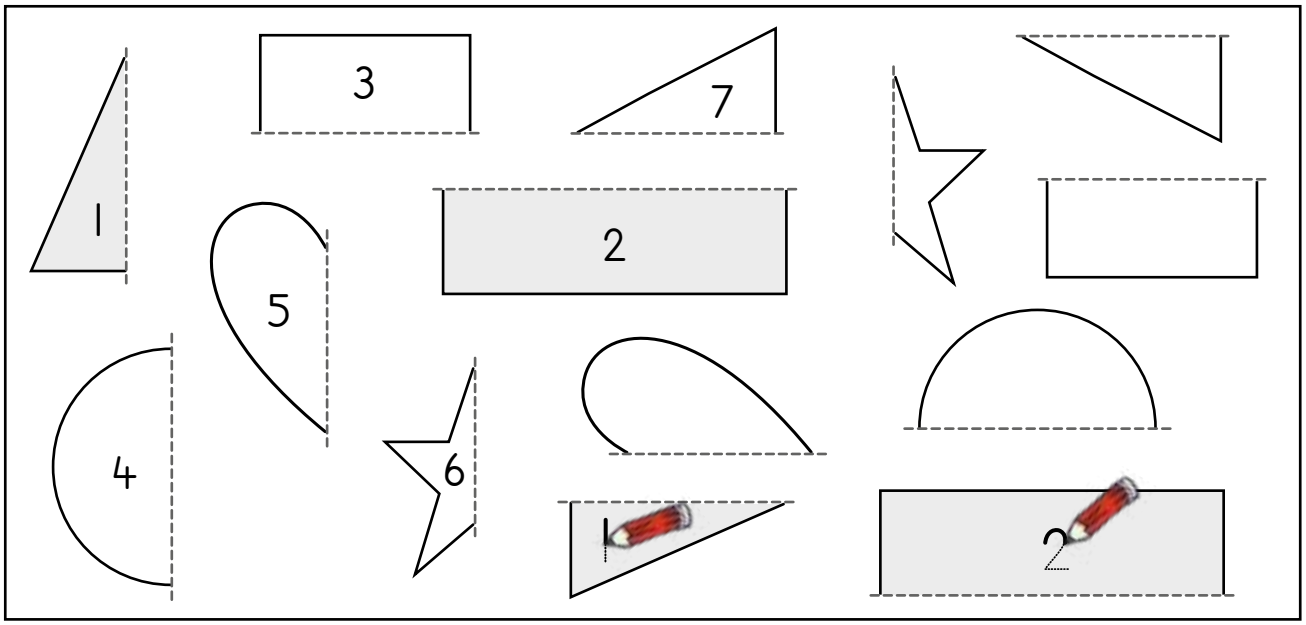
8	

3	3

5	5

3 Bhala inani elikwiimilo ezifanayo ukuze wenze imilo enolingano-macala.

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 = ____	7 + 7 = ____	5 + 5 = ____

5 Yahlula kubini amachokoza. Gqibezela izivakalisi manani.

Halve the dots. Finish the number sentences.

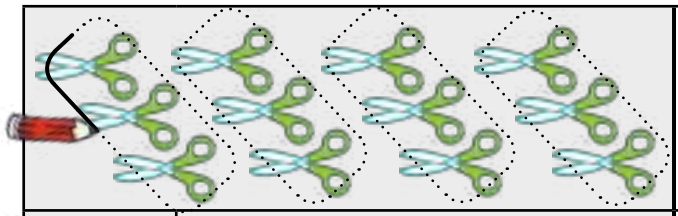
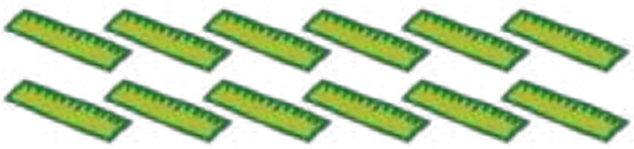
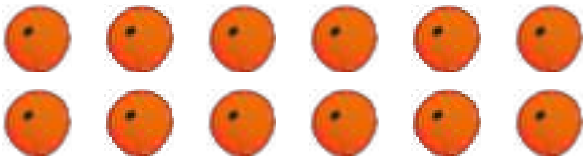
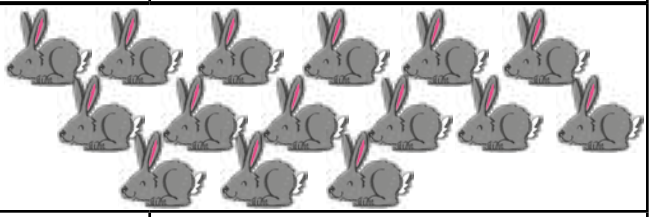
		
Isiqingatha se-12 sisi-____. Half of 12 is _____.	Isiqingatha sesi-8 sisi-____. Half of 8 is _____.	Isiqingatha se-16 sisi-____. Half of 16 is _____.

Ukuhlela
Grouping

IZIBALO ZENTLOKO (MENTAL MATHS) | UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → UMSEBENZI WEQELA (GROUP WORK) → UMDLALO (GAME) → IMISEBENZI (ACTIVITIES) → UKUSOMBULULA INGXAKI (PROBLEM SOLVING)

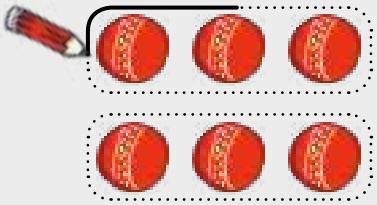
1 Biyela, ukuze wenze amaqela. Mangaphi amaqela akhoyo?

Circle to make groups. How many groups are there?

	
amaqela ezi-3 groups of 3	amaqela ezi-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?

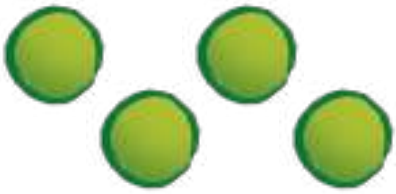
Circle to make groups. How many groups are there?



2 amaqela ezi-3
groups of 3



amaqela ezi-2
groups of 2



amaqela ezi-2
groups of 2



amaqela ezi-2
groups of 2



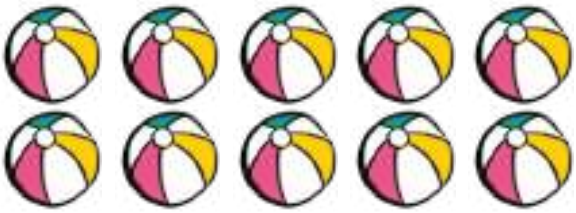
amaqela ezi-2
groups of 2



amaqela ezi-3
groups of 3



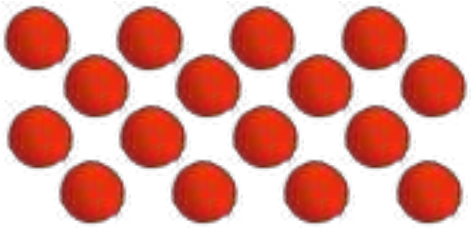
amaqela ezi-2
groups of 2



amaqela ezi-2
groups of 2



amaqela ezi-3
groups of 3



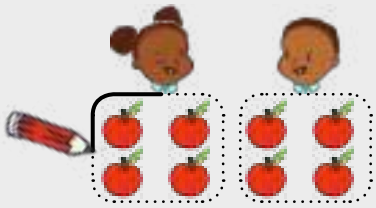
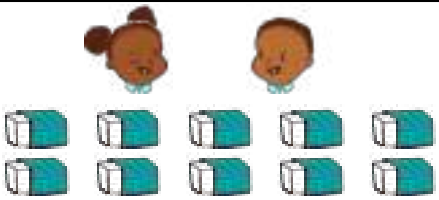
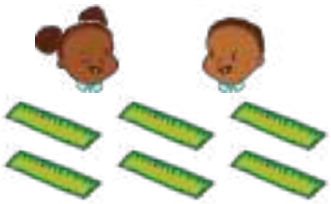
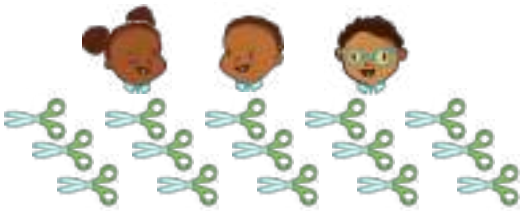
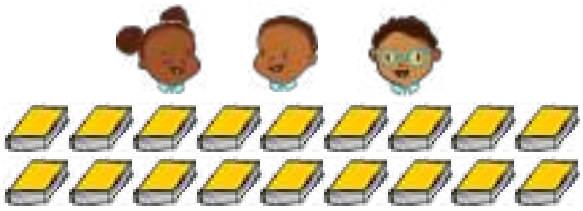
amaqela ezi-4
groups of 4

Ukwabelana
Sharing

IZIBALO ZENTLOKO (MENTAL MATHS) | UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → UMSEBENZI WEQELA (GROUP WORK) → UMDLALO (GAME) → IMISEBENZI (ACTIVITIES) → UKUSOMBULULA INGXAKI (PROBLEM SOLVING)

1 Yabela abantwana ngokulinganayo.

Share equally among the children.

Yahlula/Yabela. Share.	Umntwana ngamnye ufumana Each child gets
	
	
	
	
	
	
	

2 Yabela abantwana ngokulinganayo.

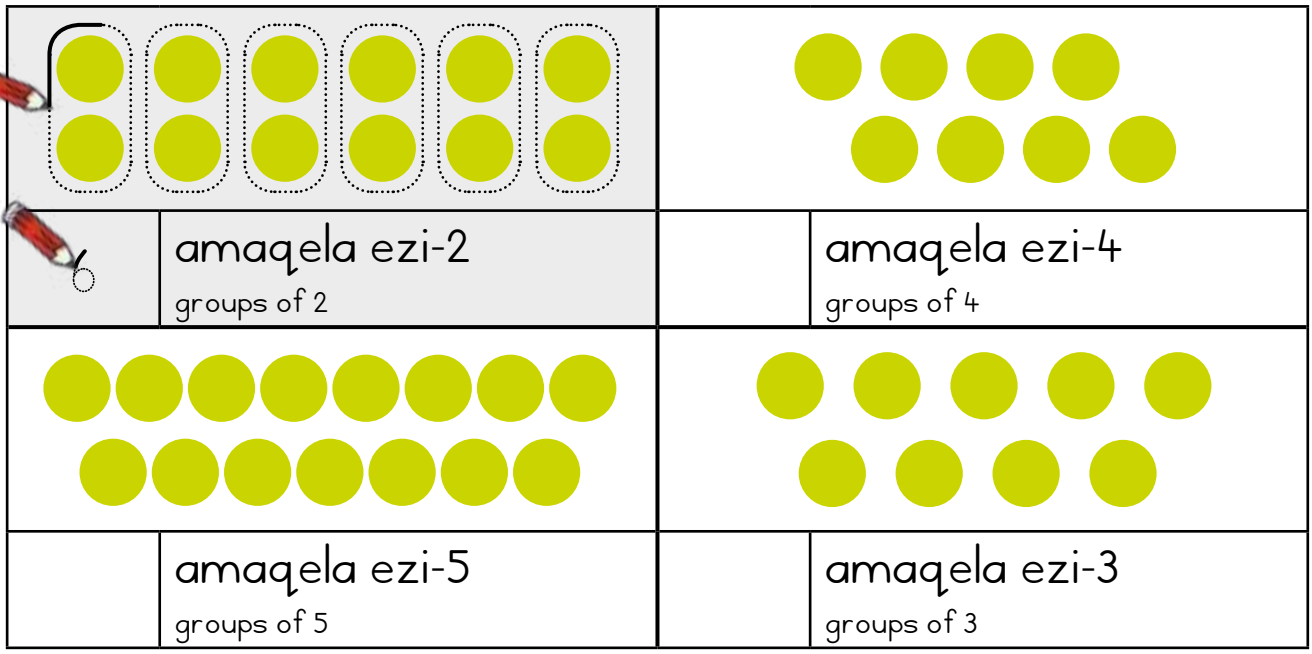
Share equally among the children.

Yahlula/Yabela. Share.	Umntwana ngamnye ufumana Each child gets
	
	
	
	
	
	
	

Ukuhlela nokwaba/nokwabelana
Grouping and sharing

IZIBALO ZENTLOKO MENTAL MATHS | UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

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



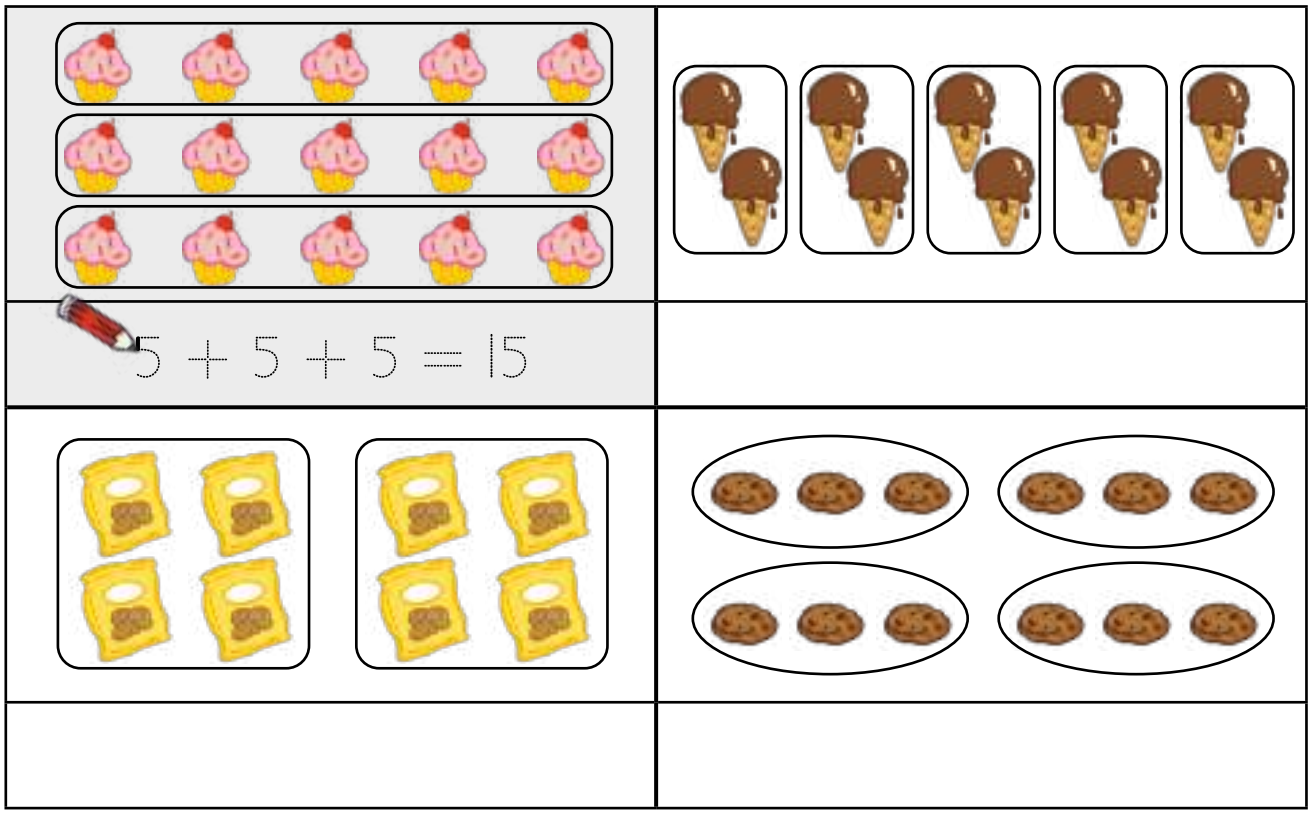
amaqela ezi-2
groups of 2

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.



3

Yabela abahlobo aba-5 ezi lekese.

Share the sweets among 5 friends.

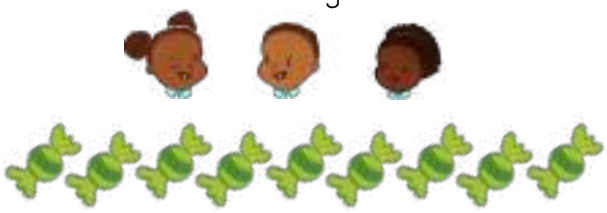


Umhlobo ngamnye uza kufumana iilekese ezi-3.

Each friend will get 3 sweets.

Yabela abahlobo aba-3 ezi lekese.

Share the sweets among 3 friends.

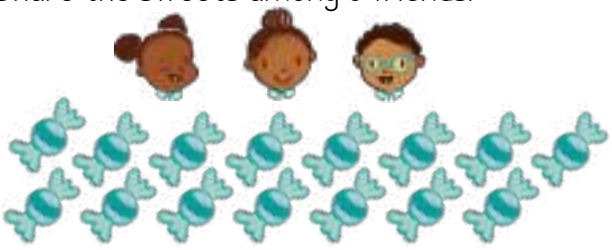


Umhlobo ngamnye uza kufumana iilekese ezi-_____.

Each friend will get _____ sweets.

Yabela abahlobo aba-3 ezi lekese.

Share the sweets among 3 friends.

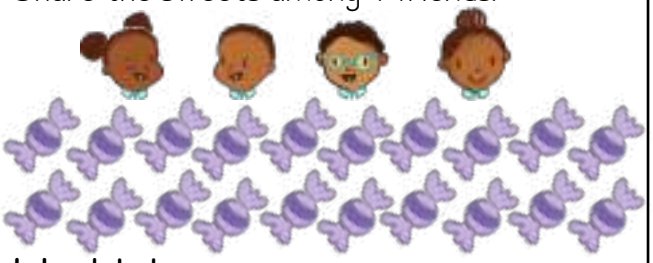


Umhlobo ngamnye uza kufumana iilekese ezi-_____.

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

2

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

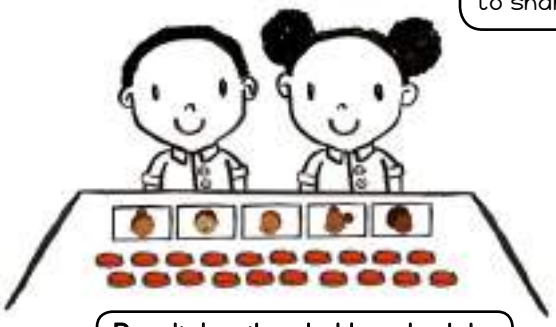
IZIBALO ZENTLOKO (MENTAL MATHS) | UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → UMSEBENZI WEQELA (GROUP WORK) → UMDLALO (GAME) → IMISEBENZI (ACTIVITIES) → UKUSOMBULULA INGXAKI (PROBLEM SOLVING)

Umdlalo: Ulwabiwo olukholisayo/olwanelisayo
Game: Fair share

Qala umdlalo ngezibalisi ezingama-20.

Start the game with 20 counters.

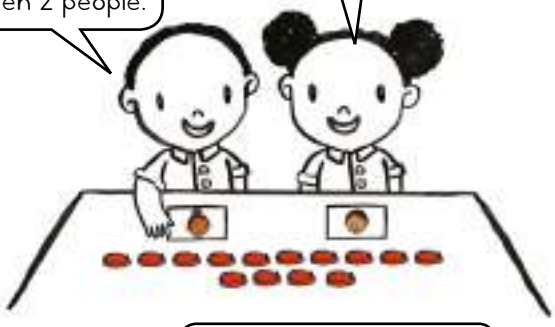
1



Ndikunika izibalisi ezili-14 ukuze uzabele abantu ababini.

I'm giving you 14 counters to share between 2 people.

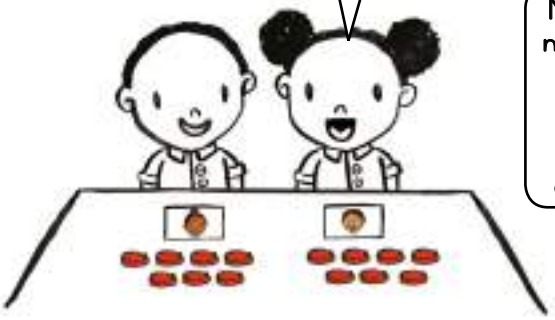
2



Ndingazahlula ngokulinganayo kungabikho sishiyekayo.

I can share them equally with none left over.

3



Bendichanile, akukho ntsalela.

I was right, no remainder.

Lithuba lam!

My turn!

4



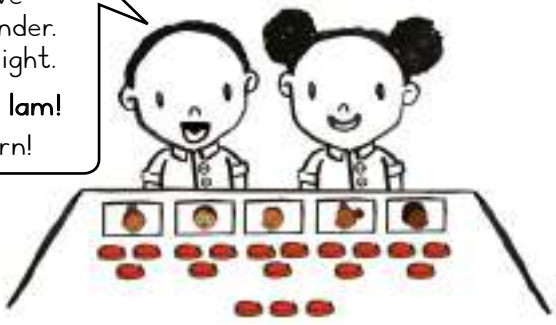
Yabela abantu aba-5 izibalisi ezili-18.

Share 18 counters among 5 people.

Ndicinga ukuba ndiza kuba nayo intsalela ...

I think I will have a remainder ...

5



Ndinentsalela, benditshilo.

I have a remainder. I was right.

Lithuba lam!

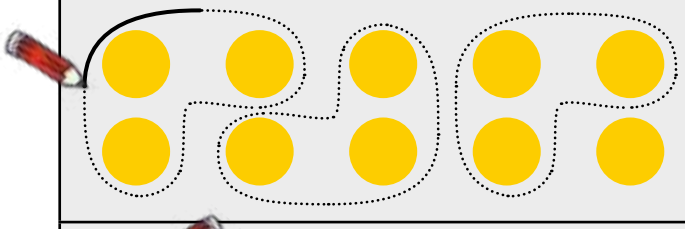
My turn!

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

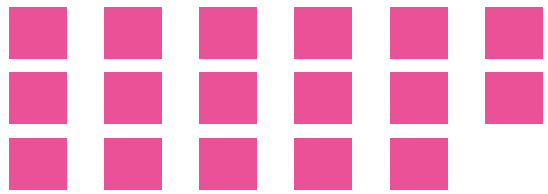
Continue playing to give everyone lots of turns to share the counters with and without reminders.

1 Biyela, ukuze wenze amaqela. Mangaphi amaqela akhoyo?

Circle to make groups. How many groups are there?



3 amaqela ezi-3 groups of 3	amaqela ezi-4 groups of 4
1 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	4	sweets.	Umhlobo ngamnye ufumana iilekese ezi- Each friend gets		sweets.
Iza kuba- There will be	1	eshiyekayo. left over.	Ziza kuba- There will be		ezishiyekayo. left over.

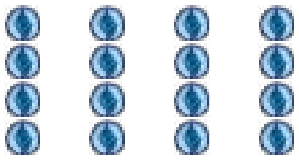
Ukubethelela
Consolidation

IZIBALO ZENTLOKO MENTAL MATHS | UVAVANYO ASSESSMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

1

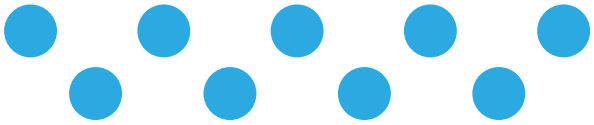
Unezitoki ezili-11 oza kwabelana ngazo nomhlobo wakho. Uza kufumana izitoki ezingaphi umntu ngamnye? You have 11 lollipops that you share with your friend. How many lollipops will you each get?			Uneencwadi ezili-15 oza kuzipakisha ezibhokisini. Kungena iincwadi ezi-4 kwibhokisi nganye. Kuza kufuneka 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 kushiyeka ezi- There will be		left over.	Ndiza kuba neencwadi ezi- I will have		ezishiyekileyo. 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

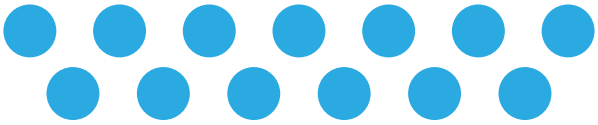
3 Biyela, ukuze wenze amaqela. Mangaphi amaqela akhoyo?

Circle to make groups. How many groups are there?



amaqela ezi-2
groups of 2

ezishiyekileyo.
left over.



amaqela ezi-5
groups of 5

ezishiyekileyo.
left over.

4 Yabela abahlobo ezi moto ngokulinganayo.

Share the cars equally.



Umntwana ngamnye ufumana
Each child gets

seemoto.
cars.

intsalela.
left over.



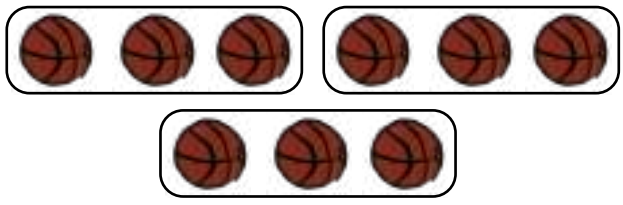
Umntwana ngamnye ufumana
Each child gets

seemoto.
cars.

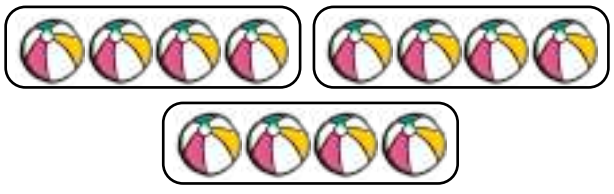
intsalela.
left over.

5 Bhala isivakalisi manani.

Write the number sentences.



___ + ___ + ___ = ___



___ + ___ + ___ = ___

Ukudibanisa okuphindiweyo
Repeated addition

IZIBALO ZENTLOKO (MENTAL MATHS) | UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → UMSEBENZI WEQELA (GROUP WORK) → UMDLALO (GAME) → IMISEBENZI (ACTIVITIES) → UKUSOMBULULA INGXAKI (PROBLEM SOLVING)

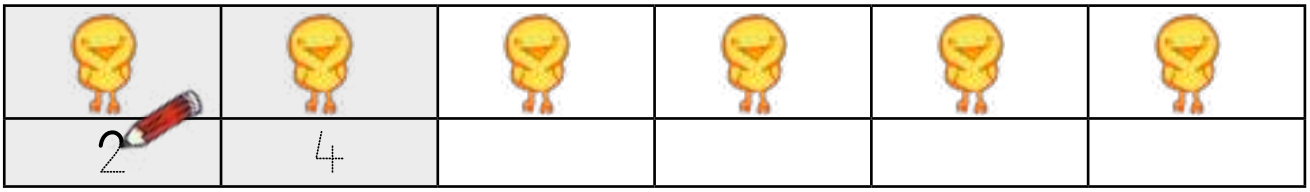
1 Bala amehlo. Bala ngezi-2.

Count the eyes. Count in 2s.



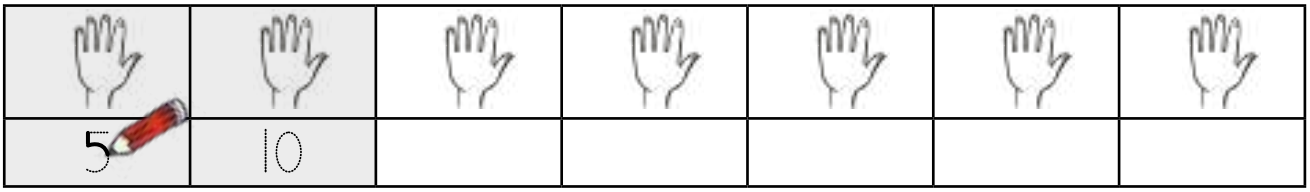
Bala imilenze. Bala ngezi-2.

Count the legs. Count in 2s.



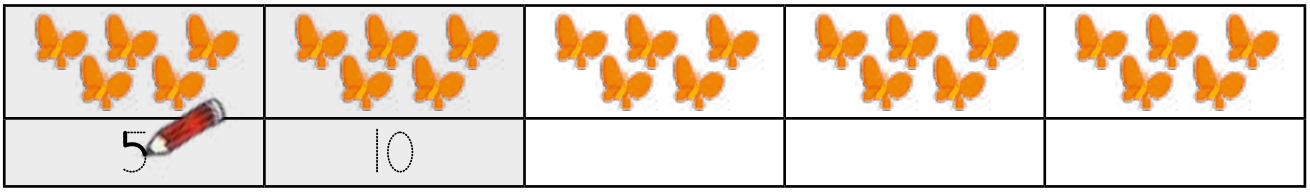
Bala iminwe. Bala ngezi-5.

Count the fingers. Count in 5s.



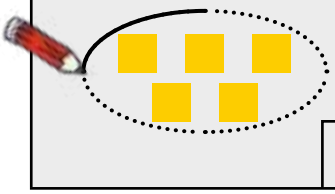
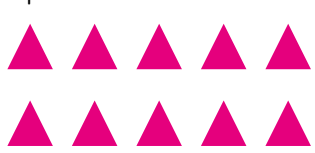
Bala amabhabhathane. Bala ngezi-5.

Count the butterflies. Count in 5s.



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

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

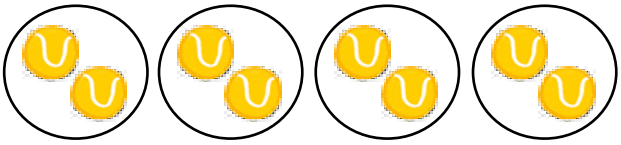
iqela eli-1 lezi-5 1 group of 5	amaqela ama-2 ezi-5 2 groups of 5	amaqela ama-3 ezi-5 3 groups of 5
 5		

3 Bhala isivakalisi manani uze usombulule ingxaki.

Write a number sentence and solve the problem.



2 + 2 + 2 = 6



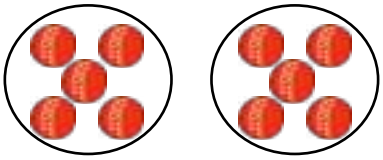
___ + ___ + ___ + ___ = ___



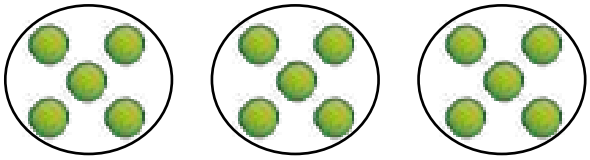
___ + ___ = ___



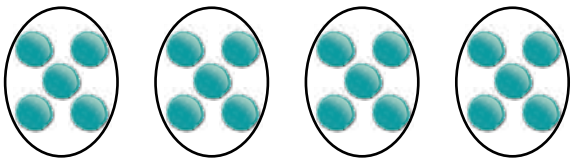
___ + ___ + ___ = ___



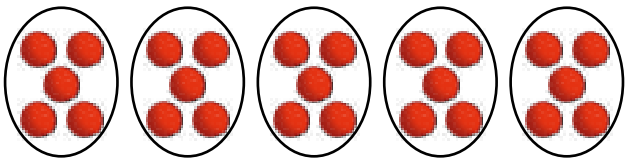
___ + ___ = ___



___ + ___ + ___ = ___



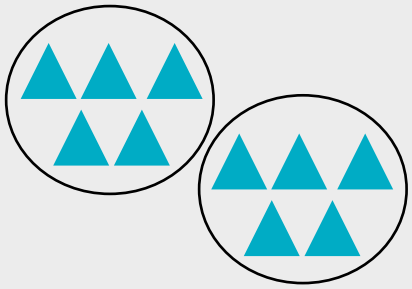
___ + ___ + ___ + ___ = ___



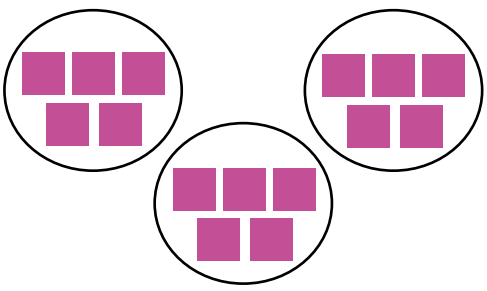
___ + ___ + ___ + ___ + ___ = ___

4 Bhala isivakalisi manani.

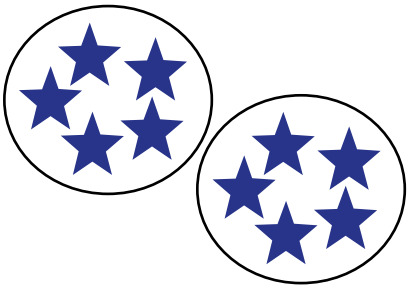
Write number sentences for these shapes.



5 + 5 = 10



___ + ___ + ___ = ___



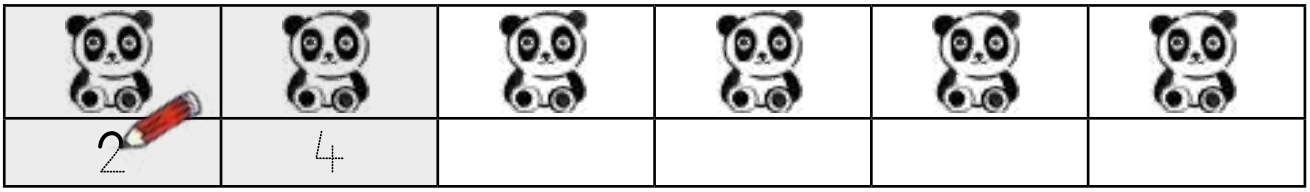
___ + ___ = ___

Ukudibanisa okuphindiweyo
Repeated addition

IZIBALO ZENTLOKO / MENTAL MATHS | UPHUHLISO LWENGQIQO / CONCEPT DEVELOPMENT → UMSEBENZI WEQELA / GROUP WORK → UMDLALO / GAME → IMISEBENZI / ACTIVITIES → UKUSOMBULULA INGXAKI / PROBLEM SOLVING

1 Bala iindlebe.

Count the ears.



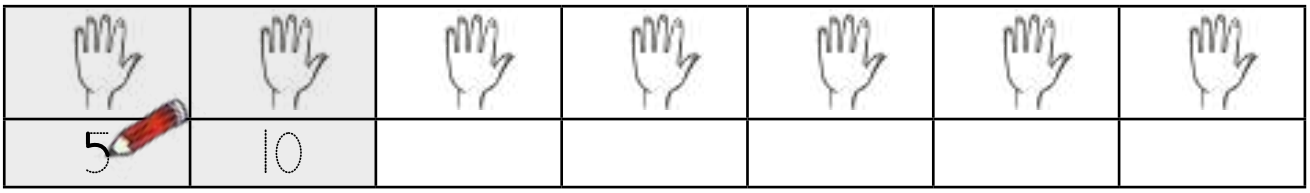
Bala iingqekembe zemali. Bala ngezi-2.

Count the coins. Count in 2s.



Bala iminwe.

Count the fingers.



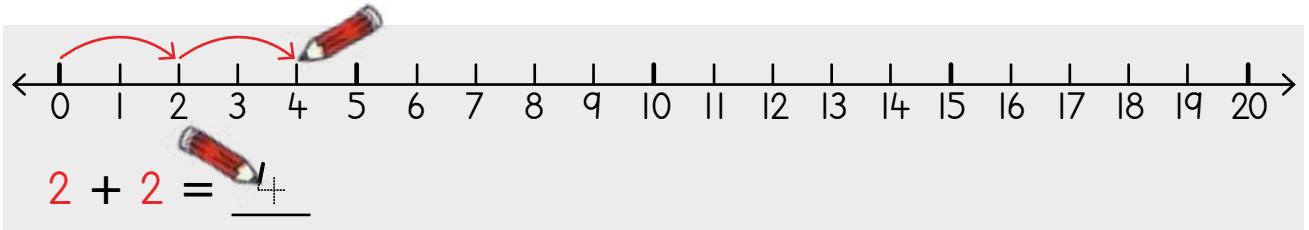
Bala iingqekembe zemali. Bala ngezi-5.

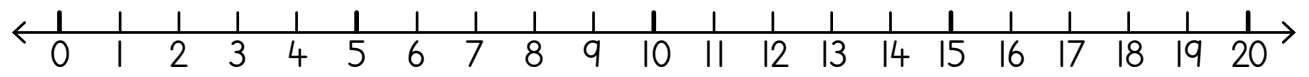
Count the coins. Count in 5s.



2 Bala ngezi-2 kumgcamanani.

Count in 2s on the number line.

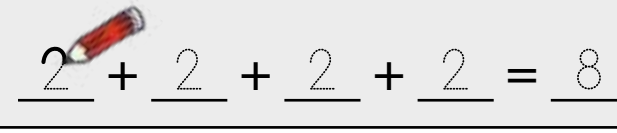




2 + 2 + 2 = ____

3 Bhala izivakalisi manani uze usombulule ezi ngxaki.

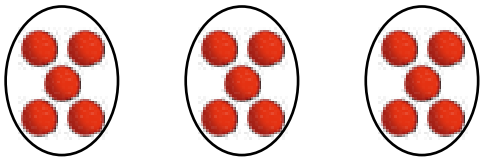
Write the number sentences and solve the problems.



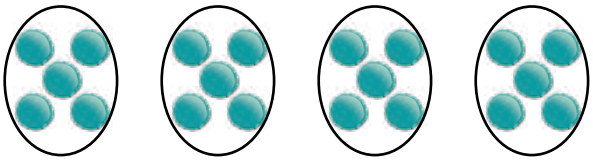
2 + 2 + 2 + 2 = 8



___ + ___ + ___ + ___ + ___ = ___



___ + ___ + ___ = ___



___ + ___ + ___ + ___ = ___

4 Sombulula ezi ngxaki zamanani.

Solve the word problems.

UNkazi uneengxowa ezisi-7 ezineelekese 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.



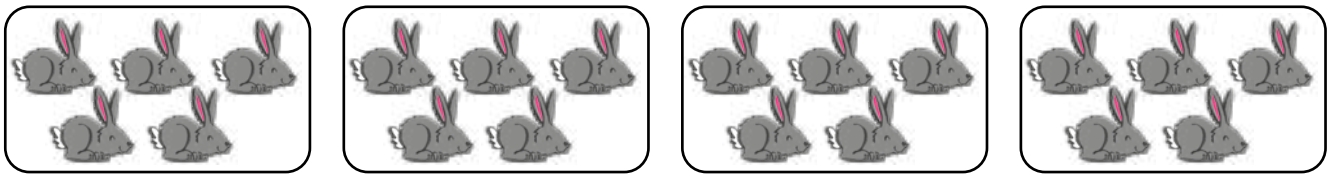
Bhala isivakalisi manani.

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

IZIBALO ZENTLOKO MENTAL MATHS | UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

1 Phinda kabini amapetyu.
Double the marbles.



U-3 ophindwe kabini ngu-6.
Double 3 is 6.



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-4.
Half of 8 is 4.



Ihafu yesi-6 ngu-____.
Half of 6 is _____.



Ihafu yesi-2 ngu-____.
Half of 2 is _____.



Ihafu ye-10 ngu-____.
Half of 10 is _____.



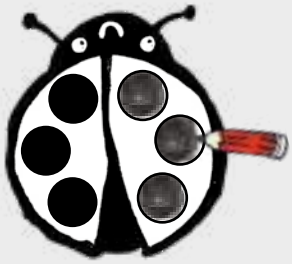
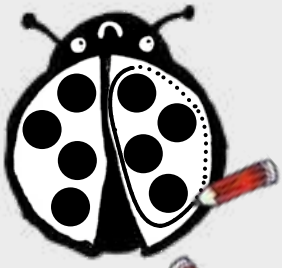
Ihafu yesi-4 ngu-____.
Half of 4 is _____.



Ihafu ye-12 ngu-____.
Half of 12 is _____.

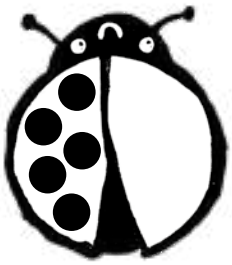
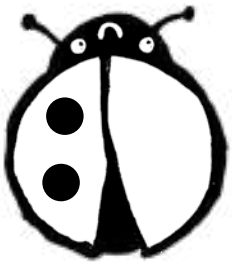
3 Phinda kabini amachokoza. Yahlula kubini amachokoza.

Double the dots. **Halve** the dots.

	
U-3 ophindwe kabini ngu-6. **Double** 3 is 6.	Ihafu yesi-8 ngu-4. **Half** of 8 is 4.
3 + 3 = 6	

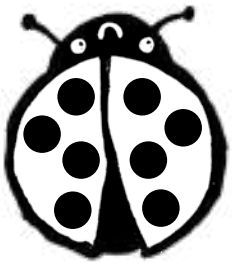
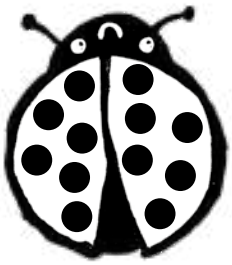
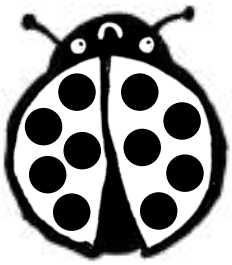
Phinda kabini amachokoza.

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

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 ____.

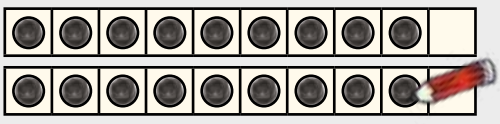
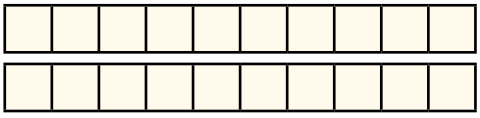
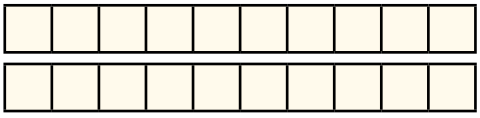
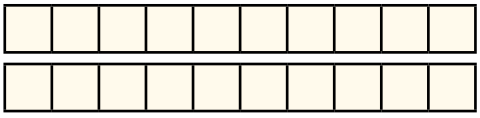
Ukuphinda kabini nokwahlula kubini
Doubling and halving

IZIBALO ZENTLOKO MENTAL MATHS | UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

1 Dibanisa. Bhala iziphindwa kabini.
Add. Write the **doubles**.

4 + 4 =	8	U-4 ophindwe kabini ngu- **Double** 4 is	8
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	9
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	

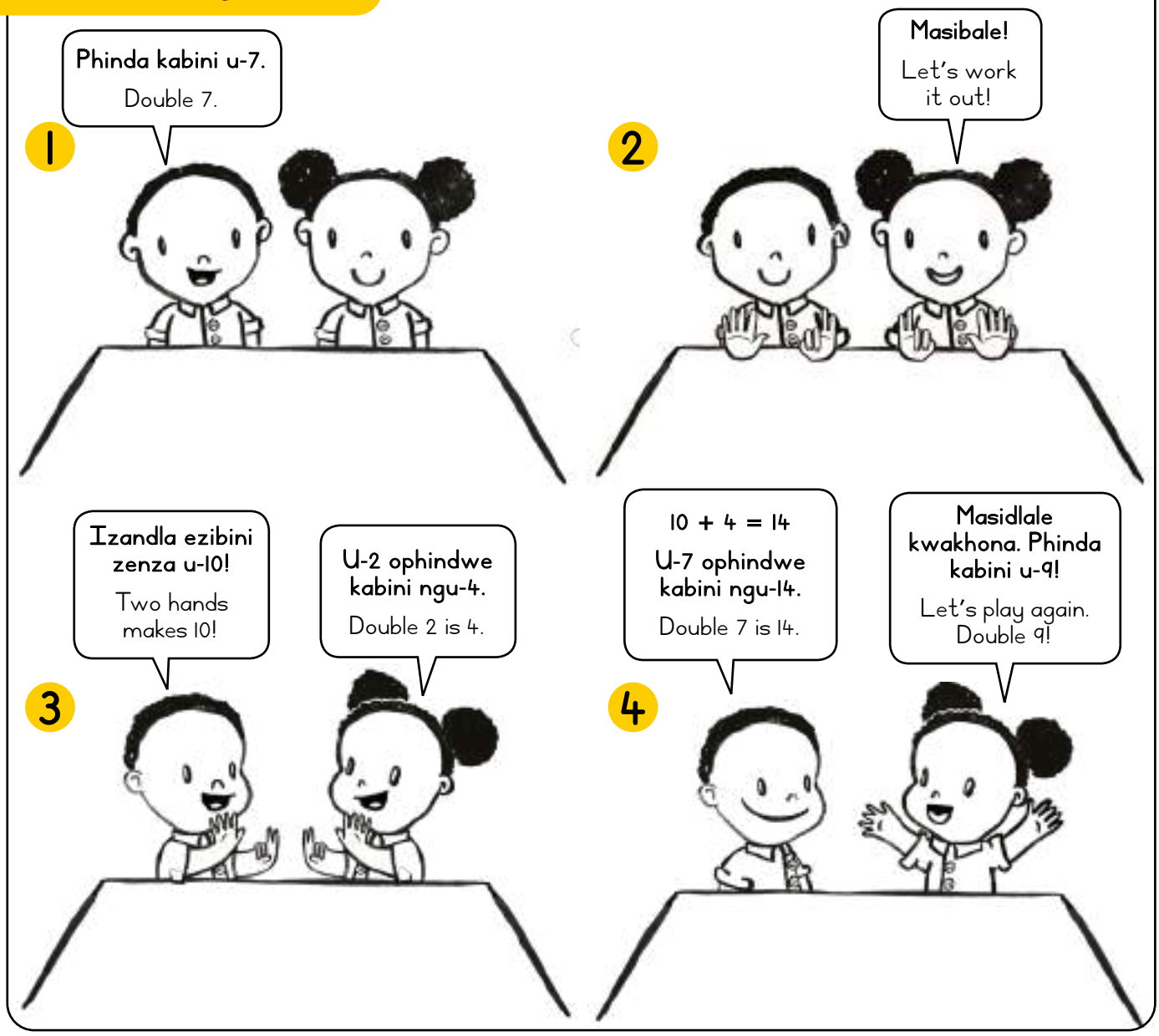
14	

10	
5	5

6	

9	

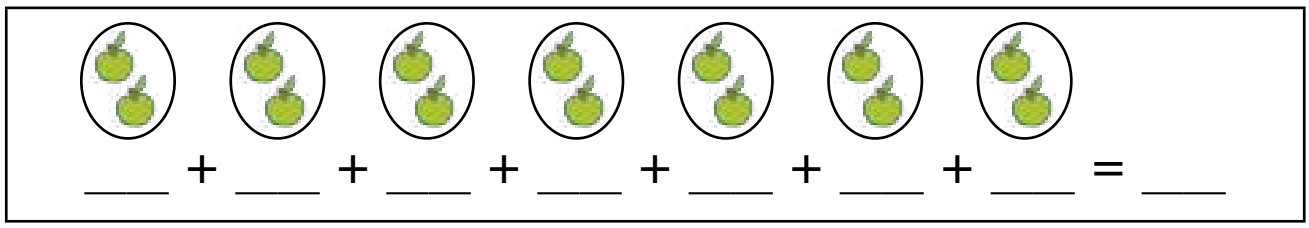
Umdlalo: Phinda kabini
Game: Doubling

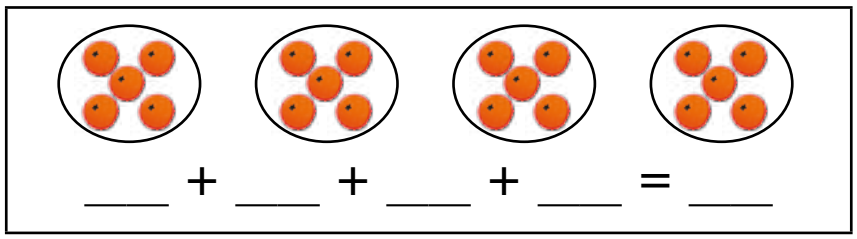


Ukubethelela
Consolidation

IZIBALO ZENTLOKO MENTAL MATHS | UVAVANYO ASSESSMENT → UMSEBENZI WEQELA GROUP WORK → UMDLALO GAME → IMISEBENZI ACTIVITIES → UKUSOMBULULA INGXAKI PROBLEM SOLVING

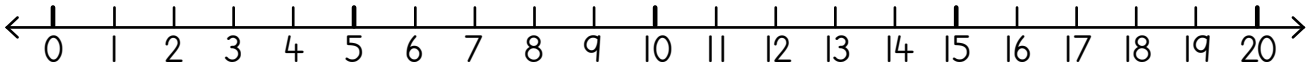
1 Bhala izivakalisi manani uze usombulule ezi ngxaki.
Write the number sentences and solve these problems.





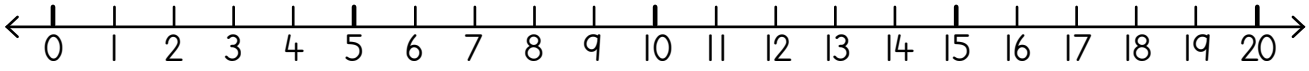
2 Bala ngezi-2 kumgcamanani.
Count in 2s on the number line.

2 + 2 + 2 + 2 = ____



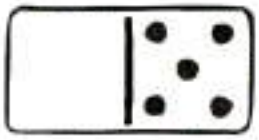
Bala ngezi-5 kumgcamanani.
Count in 5s on the number line.

5 + 5 + 5 = ____



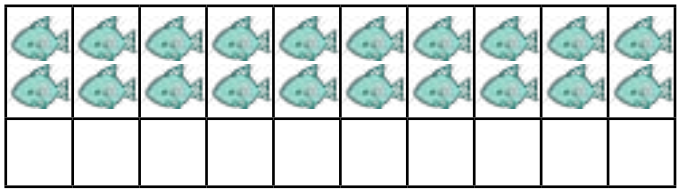
3 Phinda kabini amachokoza.
Double the dots.

Yahlula kubini amachokoza.
Halve the dots.

	
U-5 ophindwe kabini ngu-____. **Double** 5 is _____.	amachokoza ama-____. _____ dots
5 + 5 = ____	Ihafu ye-12 ngu-____. **Half** of 12 is _____.

4 Bala iintlanzi. Bala ngezi-2.

Count the fish. Count in 2s.



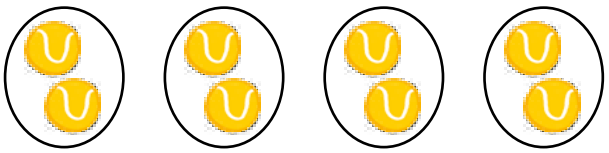
Bala iingqekembe zemali. Bala ngezi-5.

Count the coins. Count in 5s.



5 Bhala izivakalisi manani uze usombulule iingxaki.

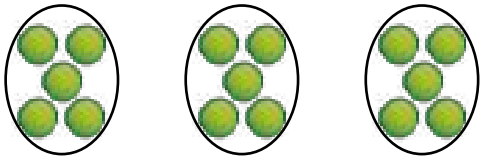
Write the number sentences and solve the problems.



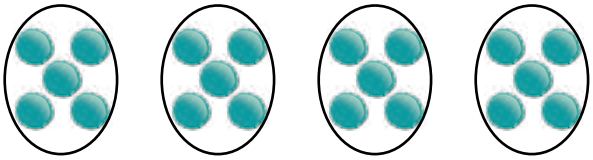
___ + ___ + ___ + ___ = ___



___ + ___ + ___ + ___ + ___ = ___



___ + ___ + ___ = ___



___ + ___ + ___ + ___ = ___

6



U-7 ophindwe kabini ngu-____.

Double 7 is _____.

7 + 7 = ____



U-4 ophindwe kabini ngu-____.

Double 4 is _____.

4 + 4 = ____



U-9 ophindwe kabini ngu-____.

Double 9 is _____.

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 _____.


5
6
7
8
10
9
12
11
13
14
15
5
6
7
8
9
11
10
12
14
13
15

Bala Wande

Calculating with Confidence

Western Cape Government
FOR YOU
Education

make maths count

creative commons
CC-BY- 4.0

ISBN 978-1-997455-92-9
9 781997 455929