

GRADE 2

TERM 3 2018

MATHEMATICS

ENGLISH / SEPEDI /

XITSONGA

RESOURCE PACK

PRINTABLE RESOURCES

Resource Sheets

This is a list of the mathematical resources that you will need this term. You need to make sure that you have them for the lessons for which they are recommended.

1. Template for pictograph (Lesson 19)
2. 1–200 number board (Lessons 22 and 23)
3. Fraction wall (Lesson 28)
4. Fraction circles (Lesson 28)
5. Fraction strips (Lesson 31)
6. Analogue clock faces (Lessons 32 and 33)
7. Views (Lesson 38)

Resources for each day of teaching

There are also other resources such as informal ones (old magazines, pieces of string, scrap paper, etc.) that you may need in certain lessons. You should take a careful look at the list of resources needed for each lesson; this list is given in the lesson plan each day. Prepare yourself, so that you have the necessary resources for the lessons on a daily basis.

1. Template for pictograph (Lesson 19)

2. 1–200 number board (Lessons 22 and 23)

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
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

3. Fraction wall (Lesson 28)

1 whole				
1 half		1 half		
1 third	1 third		1 third	
1 quarter	1 quarter	1 quarter	1 quarter	
1 fifth	1 fifth	1 fifth	1 fifth	1 fifth

SEPEDI

3. Xiphemu (Dyondzo 28)

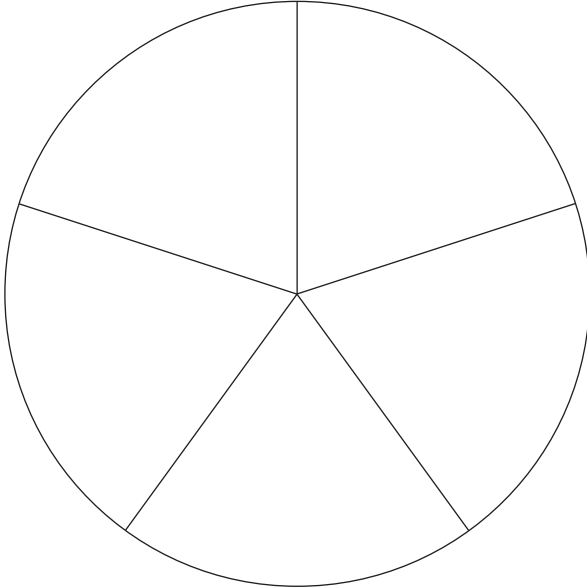
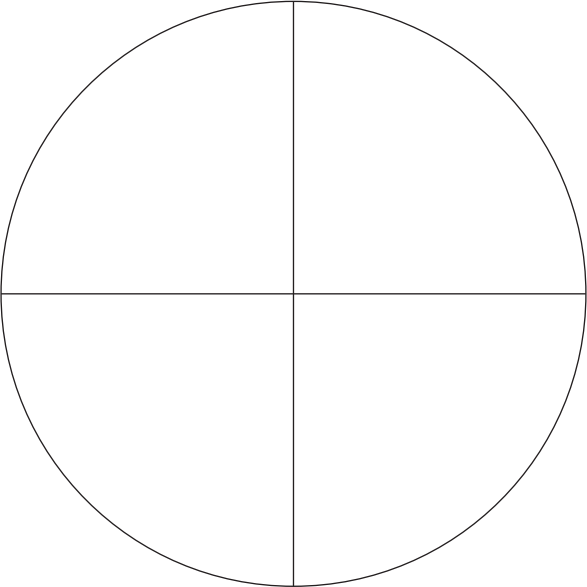
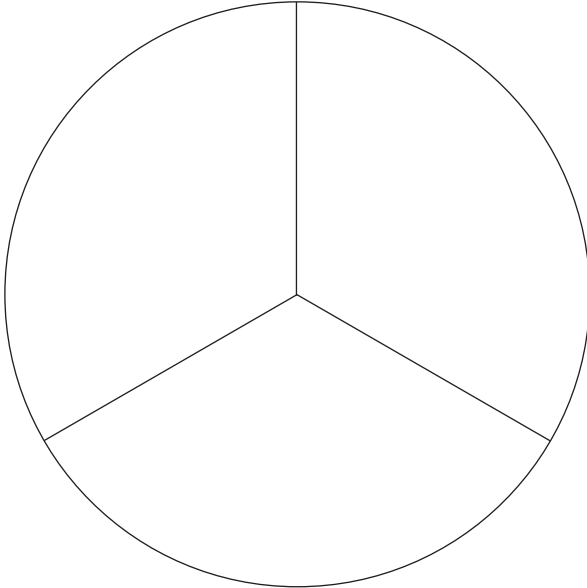
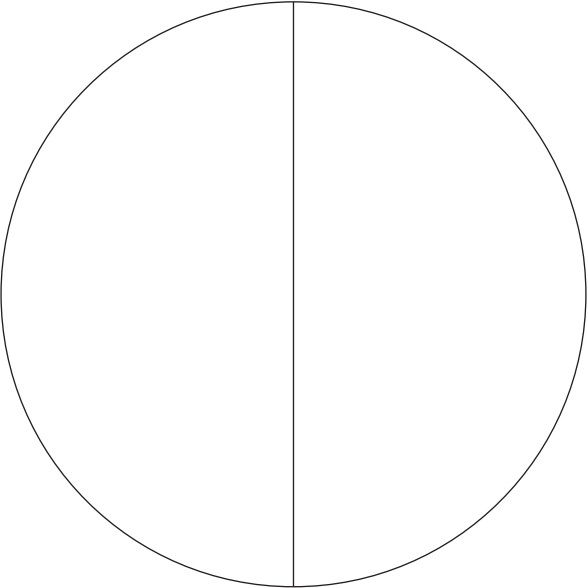
I xihelerile				
I hafu		I hafu		
I xa nharhu	I xa nharhu		I xa nharhu	
I kotara	I kotara	I kotara	I kotara	
I xa ntlhanu	I xa ntlhanu	I xa ntlhanu	I xa ntlhanu	I xa ntlhanu

XITSONGA

3. Lebota la dipalophatlo (Thuto 28)

palotlalo e l				
seripagare se l		seripagare se l		
tee tharong e l	tee tharong e l		tee tharong e l	
kotara e l	kotara e l	kotara e l	kotara e l	
tee hlanong e l	tee hlanong e l	tee hlanong e l	tee hlanong e l	tee hlanong e l

4. Fraction circles (Lessons 28 and 31)



5. Fraction strips (Lessons 28 and 31)

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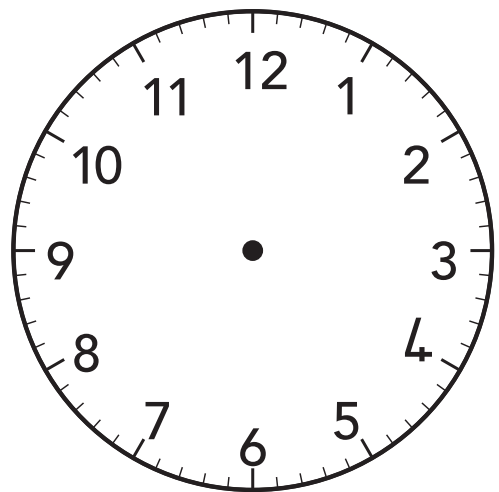
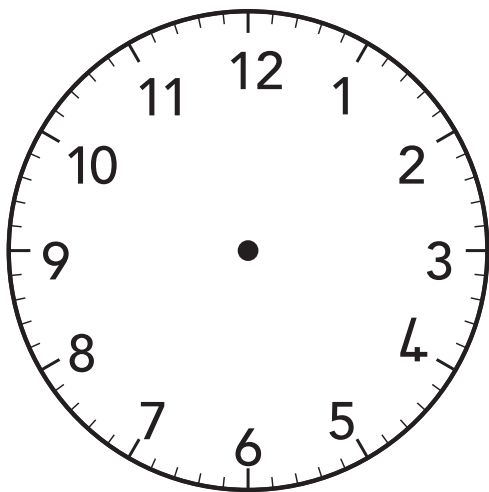
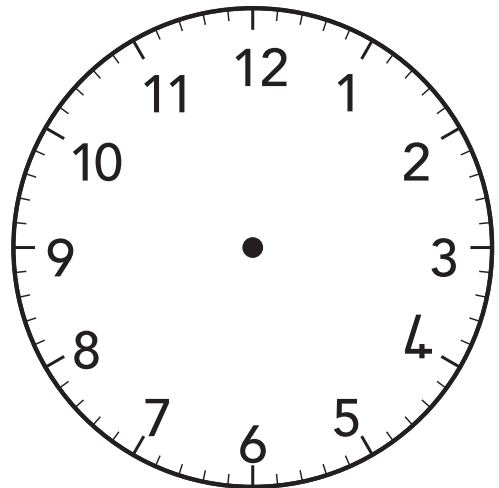
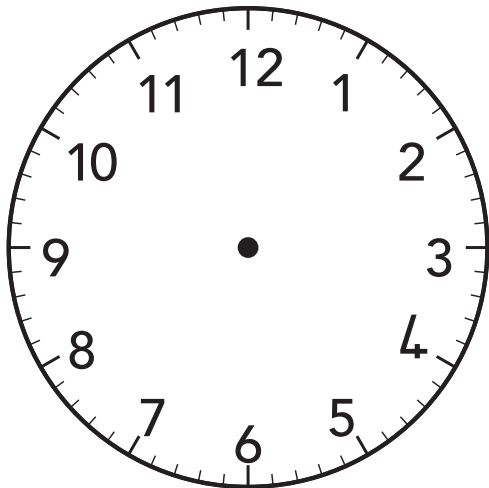
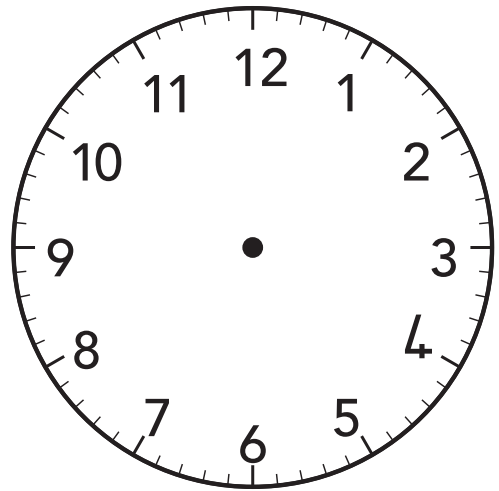
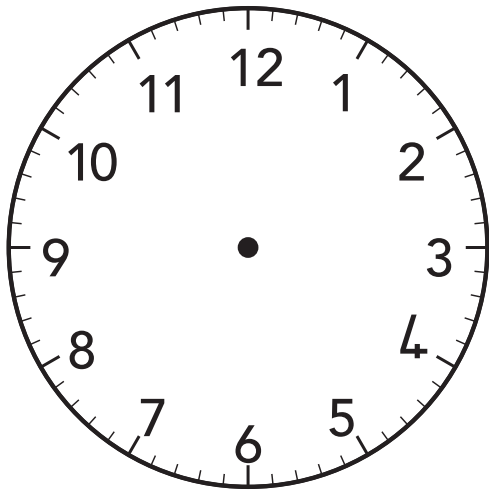
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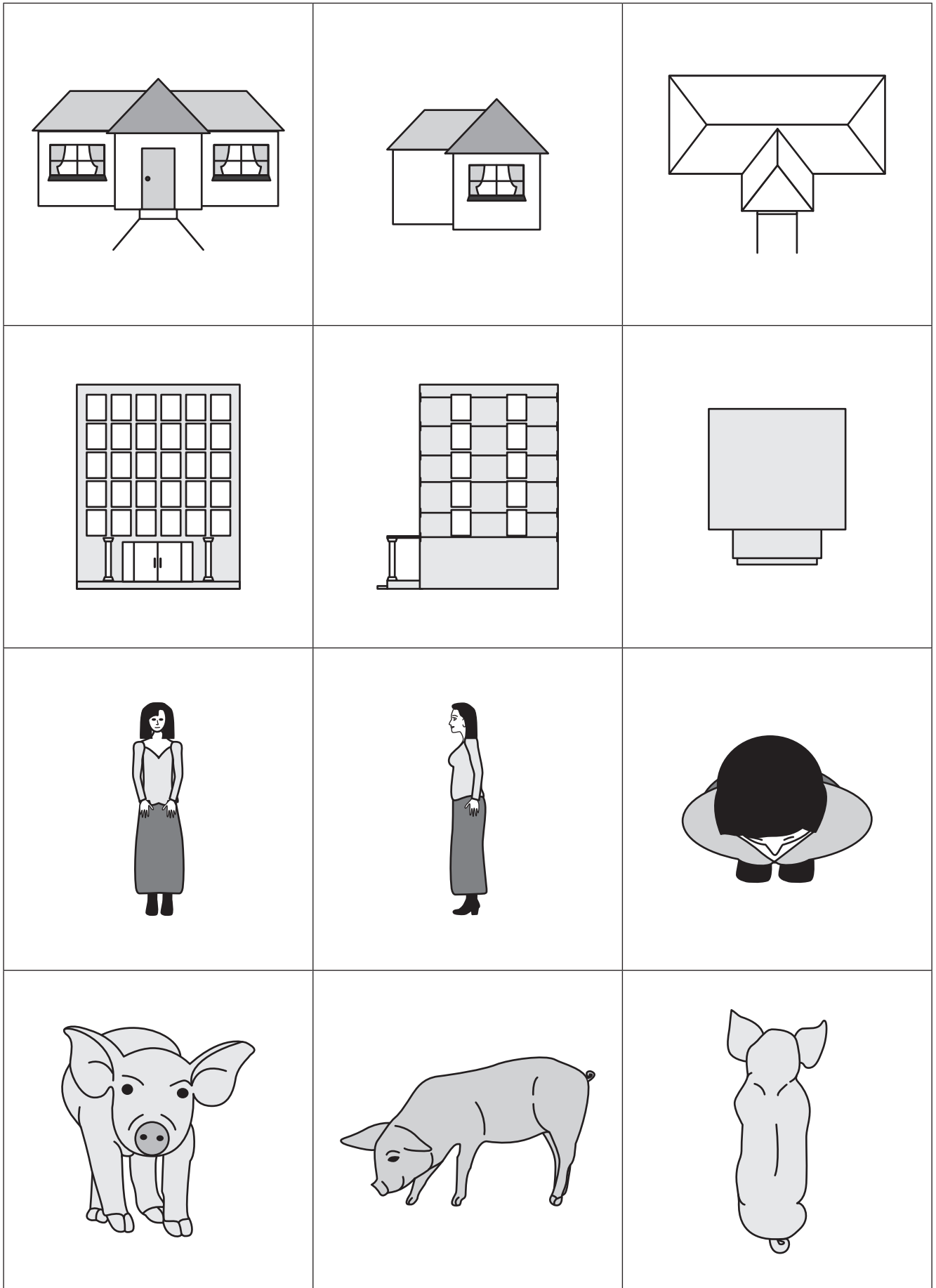
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6. Analogue clock faces (Lessons 32 and 33)



7. Views (Lessons 38)



Mental Mathematics Challenge Cards: Bilingual Version - English / Sepedi

Each term there will be a set of eight mental mathematics challenge cards. If you make them into cards and collect them over the course of the year, you will have a set of one card per teaching week for a year.

Use of the mental mathematics challenge cards

Once a week learners should do mental mathematics in written form, so that there is some record of your daily mental mathematics activities. You can use the mental mathematics challenge cards for this purpose.

Learners should not use concrete material to work out the answers in mental mathematics. If learners need to, let them use their fingers as a concrete aid during mental mathematics, but make a note of who they are and then spend time with them during remediation to help them with the basic number and operation skills. Mental mathematics skills improve hugely from Grade 1 to Grade 3. In Grade 1 learners might only manage five questions, especially when they have to write the answers, but by Grade 3 learners should manage ten questions with written answers easily.

Maths Challenge Card 1

Addition number range 0–15

Karata ya Dipalo Hlohlo ya 1

Dinomoro tša go hlakantšha magareng ga 0–15

1. $4 + 3 =$
2. $5 + 4 =$
3. $9 + 2 =$
4. $13 + 1 =$
5. $10 + 3 =$
6. $11 + 2 =$
7. $7 + 7 =$
8. $10 + 5 =$
9. $8 + 5 =$
10. $15 + 0 =$

Maths Challenge Card 2

Subtraction number range 0–15

Karata ya Dipalo Hlohlo ya 2

Amanani okunciphisa 0–15

1. $10 - 5 =$
2. $9 - 4 =$
3. $13 - 3 =$
4. $15 - 5 =$
5. $12 - 8 =$
6. $14 - 7 =$
7. $12 - 10 =$
8. $15 - 14 =$
9. $11 - 6 =$
10. $15 - 6 =$

Maths Challenge Card 3

What is 2 more than?

Karata ya Dipalo Hlohlo ya 3:

Naa ke eng 2 go feta?

1. 6
2. 12
3. 23
4. 19
5. 25
6. 32
7. 56
8. 49
9. 61
10. 72

Maths Challenge Card 4

What is 10 less than?

Karata ya Dipalo Hlohlo ya 4

Naa ke eng ka fase ga 10?

1. 12
2. 21
3. 56
4. 44
5. 35
6. 60
7. 48
8. 56
9. 63
10. 75

Maths Challenge Card 1: Answers

Addition number range 0–15

IKarata ya Dipalo Hloho ya 1: Dikarabo

Dinomoro tša go hlakantšha magareng ga 0–15

1. 7
2. 9
3. 11
4. 14
5. 13
6. 13
7. 14
8. 15
9. 13
10. 15

Maths Challenge Card 2: Answers

Subtraction number range 0–15

Karata ya Dipalo Hloho ya 2: Dikarabo

Amanani okunciphisa 0–15

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

Maths Challenge Card 3: Answers

What is 2 more than?

Karata ya Dipalo Hloho ya 3: Dikarabo

Naa ke eng 2 go feta?

1. 8
2. 14
3. 25
4. 21
5. 27
6. 34
7. 58
8. 51
9. 63
10. 74

Maths Challenge Card 4: Answers

What is 10 less than?

Karata ya Dipalo Hloho ya 4: Dikarabo

Naa ke eng ka fase ga 10?

1. 2
2. 11
3. 46
4. 34
5. 25
6. 50
7. 38
8. 46
9. 53
10. 65

Maths Challenge Card 5

What is 5 more than?

Karata ya Dipalo Hlohlo ya 5

Naa ke eng 5 go feta?

1. 0
2. 5
3. 10
4. 7
5. 11
6. 12
7. 8
8. 18
9. 13
10. 20

Maths Challenge Card 6

What is 4 less than?

Karata ya Dipalo Hlohlo ya 6

Naa ke eng ka fase ga 4?

1. 6
2. 10
3. 8
4. 9
5. 11
6. 15
7. 20
8. 16
9. 21
10. 24

Maths Challenge Card 7

What is 3 more than?

Karata ya Dipalo Hlohlo ya 7

Naa ke eng 3 go feta?

1. 3
2. 6
3. 8
4. 11
5. 15
6. 21
7. 16
8. 20
9. 0
10. 19

Maths Challenge Card 8

Which is less?

Karata ya Dipalo Hlohlo ya 8

Ke eng ye e le go e nnyane?

1. 2 or / kumbe 4?
2. 6 or / kumbe 16?
3. 21 or / kumbe 12?
4. 19 or / kumbe 18?
5. 5 or / kumbe 36?
6. 40 or / kumbe 44?
7. 78 or / kumbe 68?
8. 80 or / kumbe 81?
9. 10 or / kumbe 100?
10. 35 or / kumbe 53?

Maths Challenge Card 5: Answers

What is 5 more than?

Karata ya Dipalo Hlohlo ya 5: Dikarabo

Naa ke eng 5 go feta?

1. 5
2. 10
3. 15
4. 12
5. 16
6. 17
7. 13
8. 23
9. 18
10. 25

Maths Challenge Card 6: Answers

What is 4 less than?

Karata ya Dipalo Hlohlo ya 6: Dikarabo

Naa ke eng ka fase ga 4?

1. 2
2. 6
3. 4
4. 5
5. 7
6. 11
7. 16
8. 12
9. 17
10. 20

Maths Challenge Card 7: Answers

What is 3 more than?

Karata ya Dipalo Hlohlo ya 7: Dikarabo

Naa ke eng 3 go feta?

1. 6
2. 9
3. 11
4. 14
5. 18
6. 24
7. 19
8. 23
9. 3
10. 22

Maths Challenge Card 8: Answers

Which is less?

Karata ya Dipalo Hlohlo ya 8: Dikarabo

Ke eng ye e le go e nnyane?

1. 2
2. 6
3. 12
4. 18
5. 5
6. 40
7. 68
8. 80
9. 10
10. 35

Mental Mathematics Challenge Cards: Bilingual Version - English / Xitsonga

Each term there will be a set of eight mental mathematics challenge cards. If you make them into cards and collect them over the course of the year, you will have a set of one card per teaching week for a year.

Use of the mental mathematics challenge cards

Once a week learners should do mental mathematics in written form, so that there is some record of your daily mental mathematics activities. You can use the mental mathematics challenge cards for this purpose.

Learners should not use concrete material to work out the answers in mental mathematics. If learners need to, let them use their fingers as a concrete aid during mental mathematics, but make a note of who they are and then spend time with them during remediation to help them with the basic number and operation skills. Mental mathematics skills improve hugely from Grade 1 to Grade 3. In Grade 1 learners might only manage five questions, especially when they have to write the answers, but by Grade 3 learners should manage ten questions with written answers easily.

Maths Challenge Card 1

Addition number range 0–15

Khadi ra ntlhotlho wa Tindhlayo 1

Ku susa tinomboro to hambanahambana

1. $4 + 3 =$
2. $5 + 4 =$
3. $9 + 2 =$
4. $13 + 1 =$
5. $10 + 3 =$
6. $11 + 2 =$
7. $7 + 7 =$
8. $10 + 5 =$
9. $8 + 5 =$
10. $15 + 0 =$

Maths Challenge Card 2

Subtraction number range 0–15

Khadi ra ntlhotlho wa Tindhlayo 2

Amanani okunciphisa 0–15

1. $10 - 5 =$
2. $9 - 4 =$
3. $13 - 3 =$
4. $15 - 5 =$
5. $12 - 8 =$
6. $14 - 7 =$
7. $12 - 10 =$
8. $15 - 14 =$
9. $11 - 6 =$
10. $15 - 6 =$

Maths Challenge Card 3

What is 2 more than?

Khadi ra ntlhotlho wa Tindhlayo 3

I yini leyikulu eka 2?

1. 6
2. 12
3. 23
4. 19
5. 25
6. 32
7. 56
8. 49
9. 61
10. 72

Maths Challenge Card 4

What is 10 less than?

Khadi ra ntlhotlho wa Tindhlayo 4

Nomboro ya le hansi hi 10?

1. 12
2. 21
3. 56
4. 44
5. 35
6. 60
7. 48
8. 56
9. 63
10. 75

Maths Challenge Card 1: Answers

Addition number range 0–15

Khadi ra ntlhotlho wa Tinhlayo 1: Tinhlamulo

Ku susa tinomboro to hambanahambana

0-15

1. 7
2. 9
3. 11
4. 14
5. 13
6. 13
7. 14
8. 15
9. 13
10. 15

Maths Challenge Card 2: Answers

Subtraction number range 0–15

Khadi ra ntlhotlho wa Tinhlayo 2: Tinhlamulo

Amanani okunciphisa 0–15

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

Maths Challenge Card 3: Answers

Khadi ra ntlhotlho wa Tinhlayo 3: Tinhlamulo

I yini leyikulu eka 2?

1. 8
2. 14
3. 25
4. 21
5. 27
6. 34
7. 58
8. 51
9. 63
10. 74

Maths Challenge Card 4: Answers

Khadi ra ntlhotlho wa Tinhlayo 4: Tinhlamulo

Nomboro ya le hansi hi 10?

1. 2
2. 11
3. 46
4. 34
5. 25
6. 50
7. 38
8. 46
9. 53
10. 65

Maths Challenge Card 5

What is 5 more than?

Khadi ra ntlhotlho wa Tindhlayo 5

Leliphi inani elikhulu nge-5 kunala?

1. 0
2. 5
3. 10
4. 7
5. 11
6. 12
7. 8
8. 18
9. 13
10. 20

Maths Challenge Card 6

What is 4 less than?

Khadi ra ntlhotlho wa Tindhlayo 6

Hi yihi nomboro ya le hansi hi 4 ka leyi?

1. 6
2. 10
3. 8
4. 9
5. 11
6. 15
7. 20
8. 16
9. 21
10. 24

Maths Challenge Card 7

What is 3 more than?

Khadi ra ntlhotlho wa Tindhlayo 7

Hi yihi leyikulu hi 3 eka?

1. 3
2. 6
3. 8
4. 11
5. 15
6. 21
7. 16
8. 20
9. 0
10. 19

Maths Challenge Card 8

Which is less?

Khadi ra ntlhotlho wa Tindhlayo 8

Hi yihi leyitsongo eka?

1. 2 or / kumbe 4?
2. 6 or / kumbe 16?
3. 21 or / kumbe 12?
4. 19 or / kumbe 18?
5. 5 or / kumbe 36?
6. 40 or / kumbe 44?
7. 78 or / kumbe 68?
8. 80 or / kumbe 81?
9. 10 or / kumbe 100?
10. 35 or / kumbe 53?

Maths Challenge Card 5: Answers

What is 3 more than?

Khadi ra ntlhotlho wa Tinhlayo 5: Tinhlamulo

Leliphi inani elikhulu nge-5 kunala?

1. 5
2. 10
3. 15
4. 12
5. 16
6. 17
7. 13
8. 23
9. 18
10. 25

Maths Challenge Card 6: Answers

What is 4 less than?

Khadi ra ntlhotlho wa Tinhlayo 6: Tinhlamulo

Hi yihi nomboro ya le hansi hi 4 ka leyi?

1. 2
2. 6
3. 4
4. 5
5. 7
6. 11
7. 16
8. 12
9. 17
10. 20

Maths Challenge Card 7: Answers

What is 5 more than?

Khadi ra ntlhotlho wa Tinhlayo 7: Tinhlamulo

Leliphi inani elikhulu nge-5 kunala?

1. 6
2. 9
3. 11
4. 14
5. 18
6. 24
7. 19
8. 23
9. 3
10. 22

Maths Challenge Card 7: Answers

Which is less?

Khadi ra ntlhotlho wa Tinhlayo 8: Tinhlamulo

Hi yihi leyitsongo eka?

1. 2
2. 6
3. 12
4. 18
5. 5
6. 40
7. 68
8. 80
9. 10
10. 35

Enrichment Activity Cards: English version

Each term a set of new enrichment cards will be provided. You should retain this set, as they will not be reproduced each term.

Use of the enrichment activity cards

Optional as required.

These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some of the activities to the learners who use them. You should remind them to ask you questions about any of the enrichment activities that they are doing, so that you can guide them as necessary.

You should photocopy the enrichment cards, paste them onto cardboard and laminate them (if possible), so that they can be used as a resource, not only this year but in the future as well.

Put the laminated cardboard cards into a box in a set place in your classroom, so that learners know where to find them. These cards are for all learners and do not have to be used in a particular order. Learners should keep a record of the cards that they have done, so that they continue to choose a new card each time they go to the box. Learners must be taught to replace the cards in numeric order in the box, so that everyone who looks for cards can easily find the one they want to use.

Enrichment Activity 3.1

Who am I?

I am less than 20, but more than 15. My neighbour is 1 less than 18 and one more than me.

I am less than 16. If you add me three times, I become 45.

Enrichment Activity 3.2

Who has the most money?

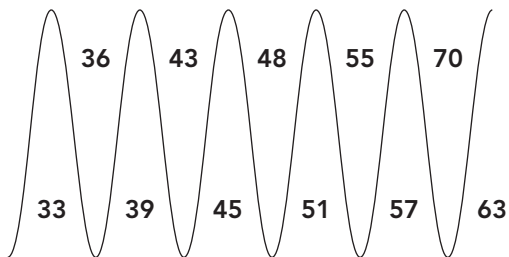
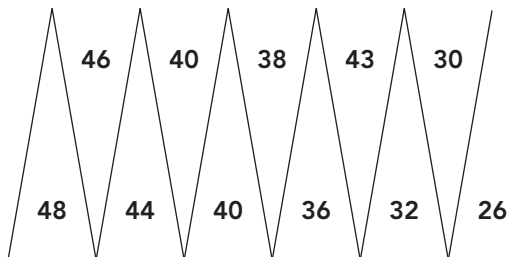
- Busi has: two 10c coins, three 50c coins and one R2 coin.
- Pete has: two R1 coins, six 5c coins and two 20c coins.
- Nicole has: seven 10c coins, five 20c coins and eight 5c coins.

Who has the most money?

Enrichment Activity 3.3

Spot the mistake

Use your pencil to colour the numbers and shape which are wrong.



Enrichment Activity 3.4

Find the numbers

Find and colour all the pairs of blocks where two numbers that are next to, or underneath one another, will give you 30.

15	15	12	17
4	14	16	12
5	10	21	9
25	30	14	18
8	0	11	12

Enrichment Activity 3.1: Answers

Who am I?

I am less than 20, but more than 15. My neighbour is 1 less than 18 and one more than me.

16

I am less than 16. If you add me three times, I become 45.

15

Enrichment Activity 3.2: Answers

Who has the most money?

- Busi has: two 10c coins, three 50c coins and one R2 coin.
- Pete has: two R1 coins, six 5c coins and two 20c coins.
- Nicole has: seven 10c coins, five 20c coins and eight 5c coins.

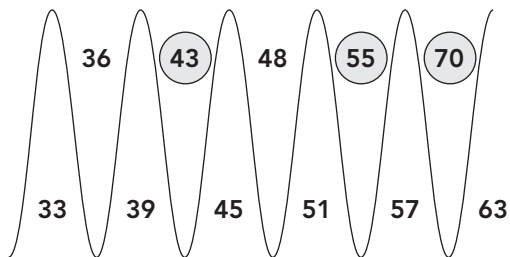
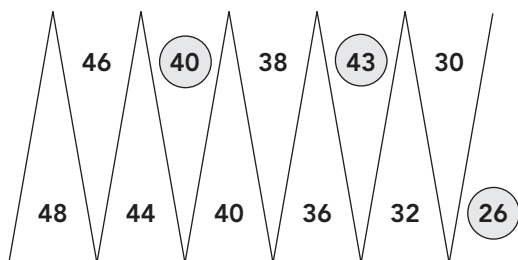
Who has the most money?

Busi has the most money!

Enrichment Activity 3.3: Answers

Spot the mistake

Use your pencil to colour the numbers and shape which are wrong.



Enrichment Activity 3.4: Answers

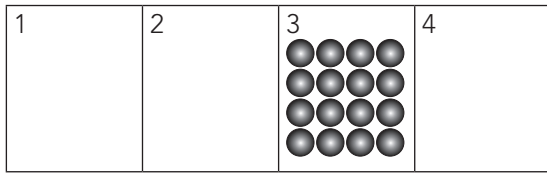
Find the numbers

Find and colour all the pairs of blocks where two numbers that are next to, or underneath one another, will give you 30.

15	15	12	17
4	14	16	12
5	10	21	9
25	30	14	18
8	0	11	12

Enrichment Activity 3.5

Brain teaser



Box 3 has 16 marbles.

Box 1 has half of that.

Box 4 has twice as many as box 1.

Box 2 has half of the amount of eggs than box 4.

How many marbles are there in box 1 and 2 altogether?

Enrichment Activity 3.6

Secret message

Crack the code using the answer box.

a	e	h	l	m	i	o	t	s	v
24	25	26	34	35	36	44	45	46	50

1. $18 + 18 = \underline{\quad}$
2. $17 + 17 = \underline{\quad}$
3. $22 + 22 = \underline{\quad}$
4. $25 + 25 = \underline{\quad}$
5. $12 + 13 = \underline{\quad}$
6. $17 + 18 = \underline{\quad}$
7. $12 + 12 = \underline{\quad}$
8. $22 + 23 = \underline{\quad}$
9. $13 + 13 = \underline{\quad}$
10. $23 + 23 = \underline{\quad}$

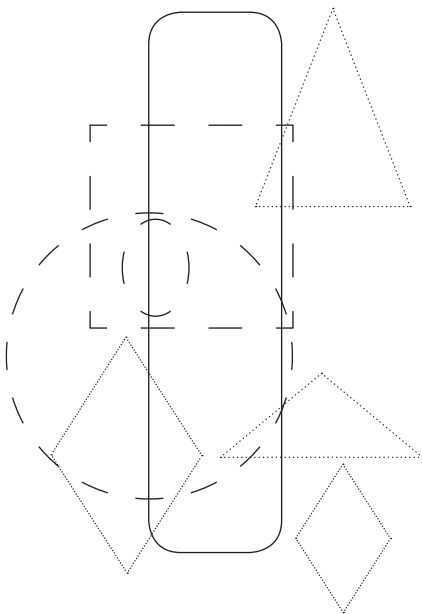
Enrichment Activity 3.7

Shapes

triangles – blue

squares – red

circles – yellow



Enrichment Activity 3.8

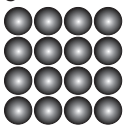
Find the numbers

Find and colour all the pairs of blocks where two numbers that are next to, or underneath one another, will give you 30.

26	19	4	7
3	11	18	23
27	4	26	9
13	15	29	1
17	15	11	12

Enrichment Activity 3.5: Answers

Brain teaser

1	2	3	4
8	8		16

Box 3 has 16 marbles.

Box 1 has half of that.

Box 4 has twice as many as box 1.

Box 2 has half of the amount of eggs than box 4.

How many marbles are there in box 1 and 2 altogether?

18

Enrichment Activity 3.6: Answers

Secret message

Crack the code using the answer box.

a	e	h	l	m	i	o	t	s	v
24	25	26	34	35	36	44	45	46	50

1. $18 + 18 = 36$
2. $17 + 17 = 34$
3. $22 + 22 = 44$
4. $25 + 25 = 50$
5. $12 + 13 = 25$
6. $17 + 18 = 35$
7. $12 + 12 = 24$
8. $22 + 23 = 45$
9. $13 + 13 = 26$
10. $23 + 23 = 46$

I love maths

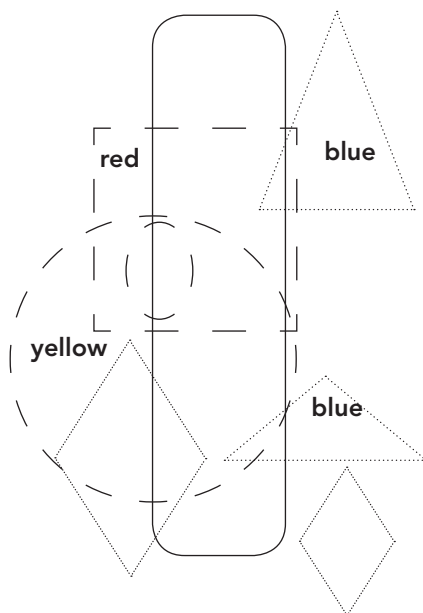
Enrichment Activity 3.7: Answers

Shapes

triangles – blue

squares – red

circles – yellow



Enrichment Activity 3.8: Answers

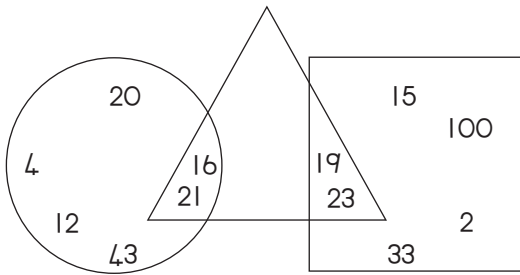
Find the numbers

Find and colour all the pairs of blocks where two numbers that are next to, or underneath one another, will give you 30.

26	19	4	7
3	11	18	23
27	4	26	9
13	15	29	1
17	15	11	12

Enrichment Activity 3.9

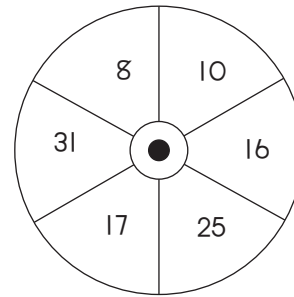
What is my number?



1. This number is in the circle.
It is double 6. _____
2. This number is in the square.
If you halve it, it becomes 50. _____
3. This number is in the triangle.
It is an even number and is 2 less than 18.

Enrichment Activity 3.10

Playing darts



1. What is the highest score using 2 darts?

2. Ben's score is 30.
Which three numbers did he get?
_____, _____, _____.
3. Siphó's score is 16. Two darts hit the
same number. Which number did he get?

Enrichment Activity 3.11

How many squares?

A				
B				
C				
D				

How many squares are there in:

Line A? _____

Line C + D? _____

Half of line B? _____

Add line C and half of line B.

Enrichment Activity 3.12

Number 12

$$\text{_____} \times 1 = 12$$

$$\text{_____} \times 2 = 12$$

$$\text{_____} \times 3 = 12$$

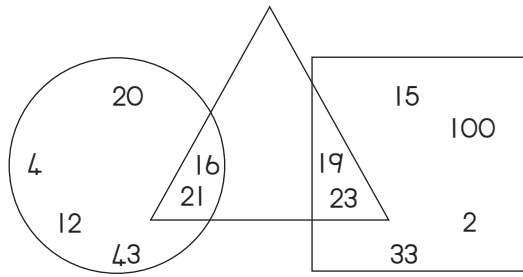
$$\text{_____} \times 4 = 12$$

$$\text{_____} \times 6 = 12$$

$$\text{_____} \times 12 = 12$$

Enrichment Activity 3.9: Answers

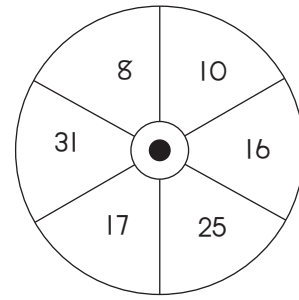
What is my number?



1. This number is in the circle.
It is double 6. **12**
2. This number is in the square.
If you halve it, it becomes 50. **100**
3. This number is in the triangle.
It is an even number and is 2 less than 18.
16

Enrichment Activity 3.10: Answers

Playing darts



1. What is the highest score using 2 darts?
62
2. Ben's score is 30.
Which three numbers did he get?
10, 10, 10.
3. Sipho's score is 16. Two darts hit the same number. Which number did he get?
8

Enrichment Activity 3.11: Answers

How many squares?

A				
B				
C				
D				

How many squares are there in:

Line A? **4**

Line C + D? **8**

Half of line B? **2**

Add line C and half of line B.

6

Enrichment Activity 3.12: Answers

Number 12

$$12 \times 1 = 12$$

$$6 \times 2 = 12$$

$$4 \times 3 = 12$$

$$3 \times 4 = 12$$

$$2 \times 6 = 12$$

$$1 \times 12 = 12$$

Enrichment Activity 3.13

Sms your mom



Which symbols do you see if you sms this message to your mom: **I love you.**

Enrichment Activity 3.14

What is the message?



- 9 * ,

* 5 5

Enrichment Activity 3.15

Add



All the numbers in the first row: _____

All the numbers in the second row: _____

All the numbers in the third row: _____

What is the total of the numbers in rows 1 and 2?

Enrichment Activity 3.16

Some more adding



Add all of the numbers in the column starting with 1: _____

Add all of the numbers in the column starting with 2: _____

Add all of the numbers in the column starting with 3: _____

What is the total of the numbers in columns 1 and 3? _____

Enrichment Activity 3.13: Answers

Sms your mom



Which symbols do you see if you sms this message to your mom: **I love you.**

- " + ? 2

) + -

Enrichment Activity 3.14: Answers

What is the message?



- 9 * ,

l c a n

*** 5 5**

a d d

Enrichment Activity 3.15: Answers

Add



All the numbers in the first row: **6**

All the numbers in the second row: **15**

All the numbers in the third row: **24**

What is the total of the numbers in rows 1 and 2? **21**

Enrichment Activity 3.16: Answers

Some more adding



Add all of the numbers in the column starting with 1: **12**

Add all of the numbers in the column starting with 2: **15**

Add all of the numbers in the column starting with 3: **18**

What is the total of the numbers in columns 1 and 3? **30**

Enrichment Activity 3.17

Ordinal numbers

In the sentence:

Dad took me to the zoo.

Which is the eighth letter? _____

In the sentence:

We saw lions and buck.

Which is the thirteenth letter? _____

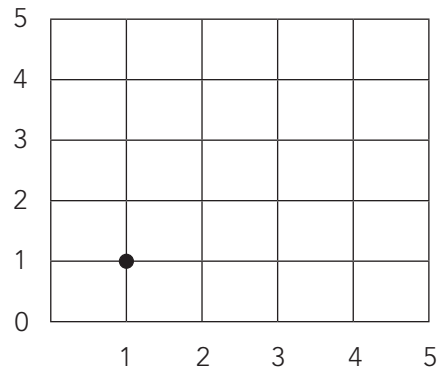
In the sentence:

We also saw penguins and ...

write down these letters to find out what other animal we saw: the eighth, the tenth, the second and the seventh letter.

Enrichment Activity 3.18

Connect the dots



Make a dot on 1-1 (done for you), 2-2, 2-1 and 1-2. Connect the dots.

What shape do you get?

Enrichment Activity 3.19

What is the number?

I have 4 tens.

What is 3 less units than the tens?

I have 1 ten.

What is 5 units more than the tens?

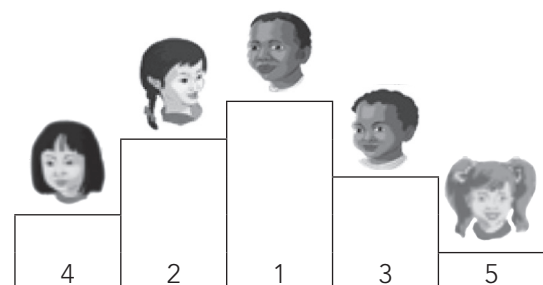
I have 8 units.

What is 4 tens more than the units?

Enrichment Activity 3.20

Where did I come in the race?

1. Imram came first.
2. Mary came second.
3. John came third.
4. Maryke came fifth.
5. I came _____.



Enrichment Activity 3.17: Answers

Ordinal numbers

In the sentence:

Dad took me to the zoo.

Which is the eighth letter? **m**

In the sentence:

We saw lions and buck.

Which is the thirteenth letter? **d**

In the sentence:

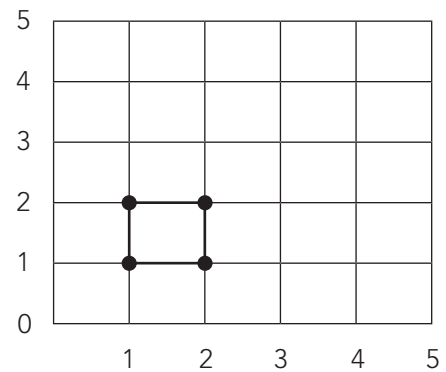
We also saw penguins and ...

write down these letters to find out what other animal we saw: the eighth, the tenth, the second and the seventh letter.

We also saw **apes**.

Enrichment Activity 3.18: Answers

Connect the dots



Make a dot on 1-1 (done for you), 2-2, 2-1 and 1-2. Connect the dots.

What shape do you get?

square

Enrichment Activity 3.19: Answers

What is the number?

I have 4 tens.

What is 3 less units than the tens?

37

I have 1 ten.

What is 5 units more than the tens?

15

I have 8 units.

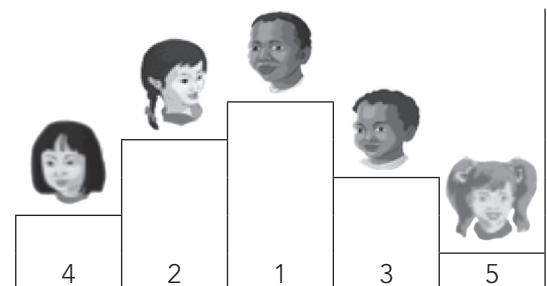
What is 4 tens more than the units?

48

Enrichment Activity 3.20: Answers

Where did I come in the race?

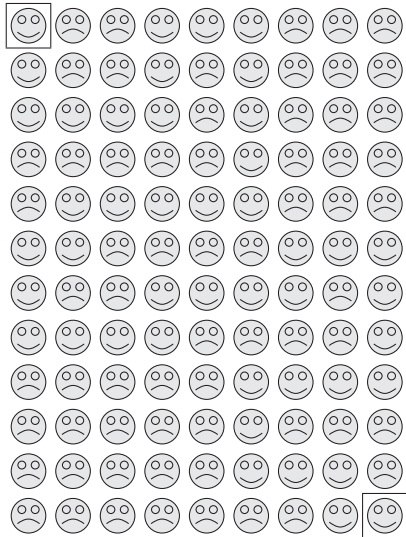
1. Imram came first.
2. Mary came second.
3. John came third.
4. Maryke came fifth.
5. I came **fourth**.



Enrichment Activity 3.21

Find your way

Start at the first face and find a way to the last face by going past only the happy faces. Don't go through any sad faces.



Enrichment Activity 3.22

Where is the number name?

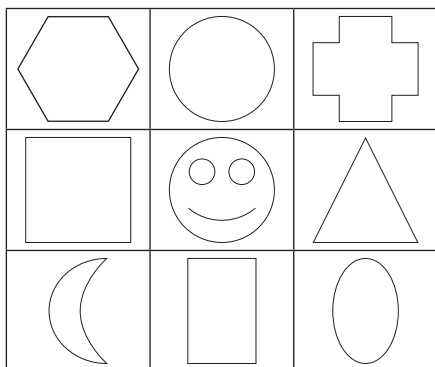
Where is the number name in the letter grid? Colour or circle each word.

b	o	n	e	d	r	e
s	e	c	o	n	d	l
i	x	t	h	r	e	e
x	t	e	n	t	h	v
t	w	e	l	v	e	e
y	o	f	o	u	r	n

- 1 11
- 3 60
- 2nd 2
- 12 10th

Enrichment Activity 3.23

Who are my friends?



Colour the shapes:

- The square red.
- The cross orange.
- The oval blue.
- The triangle pink.
- The hexagon green.

What is the shape of the moon called?

Colour it yellow.

Enrichment Activity 3.24

Find the shape names in the letter grid. Colour or circle each word.

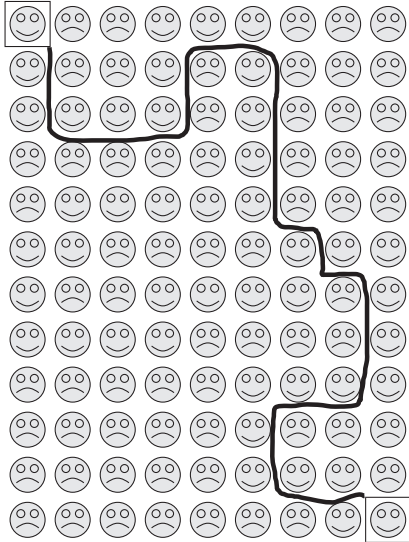
t	r	i	a	n	g	l	e	m	a
r	e	d	r	i	e	h	o	e	k
i	c	i	r	c	l	e	s	u	m
a	t	x	h	e	x	a	g	o	n
n	a	s	f	r	t	h	i	v	t
l	n	s	q	p	m	n	b	a	h
g	g	o	c	i	r	c	e	l	r
e	l	r	s	q	u	a	r	e	e
e	e	c	r	e	s	c	e	n	t

- triangle rectangle
- circle oval
- hexagon square
- crescent cross

Enrichment Activity 3.21: Answers

Find your way

Start at the first face and find a way to the last face by going past only the happy faces. Don't go through any sad faces.



Enrichment Activity 3.22

Where is the number name?

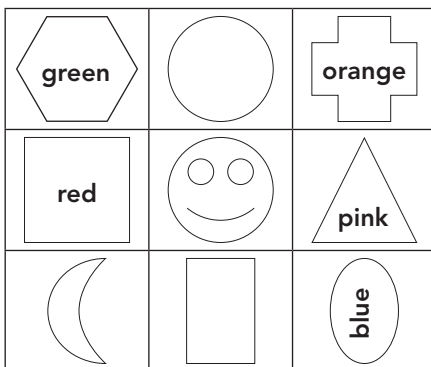
Where is the number name in the letter grid? Colour or circle each word.

b	o	n	e	d	r	e
s	e	c	o	n	d	l
i	x	t	h	r	e	e
x	t	e	n	t	h	v
t	w	e	l	v	e	e
y	o	f	o	u	r	n

- 1 11
- 3 60
- 2nd 2
- 12 10th

Enrichment Activity 3.23: Answers

Who are my friends?



Colour the shapes:

- The square red.
- The cross orange.
- The oval blue.
- The triangle pink.
- The hexagon green.

What is the shape of the moon called?

crescent

Colour it yellow.

Enrichment Activity 3.24

Find the shape names in the letter grid. Colour or circle each word.

t	r	i	a	n	g	l	e	m	a
r	e	d	r	i	e	h	o	e	k
i	c	i	r	c	l	e	s	u	m
a	t	x	h	e	x	a	g	o	n
n	a	s	f	r	t	h	i	v	t
l	n	s	q	p	m	n	b	a	h
g	g	o	c	i	r	c	e	l	r
e	l	r	s	q	u	a	r	e	e
e	e	c	r	e	s	c	e	n	t

- triangle rectangle
- circle oval
- hexagon square
- crescent cross

Enrichment Activity 3.25

Complete the Sudoku to make 10s





4	2		
		2	4
3	1		
		1	3

Enrichment Activity 3.26

Money





Order the coins from the coins with the most value to the coins with the least value.

Only write the numbers.

1. 	2. 	3. 	4. 

Now order from the coins with the least value to the coins with the most value.

Only write the numbers.

1. 	2. 	3. 	4. 

Enrichment Activity 3.27

What can I buy?

You have R2, 00.

Can you buy three cupcakes?



You have R5, 00.

Can you buy three balls?



Enrichment Activity 3.28

Complete the Sudoku

	2	3	
1			4
2			3
	1	4	

Enrichment Activity 3.25: Answers

Complete the Sudoku to make 10s

4	2	3	1
1	3	2	4
3	1	4	2
2	4	1	3

Enrichment Activity 3.26: Answers

Money




Order the coins from the coins with the most value to the coins with the least value.

Only write the numbers.

1. 	2. 	3. 	4. 
2	3	4	1

Now order from the coins with the least value to the coins with the most value.

Only write the numbers.

1. 	2. 	3. 	4. 
3	2	1	4

Enrichment Activity 3.27: Answers

What can I buy?

You have R2, 00.

Can you buy three cupcakes?



YES

You have R5, 00.

Can you buy three balls?



NO

Enrichment Activity 3.28: Answers

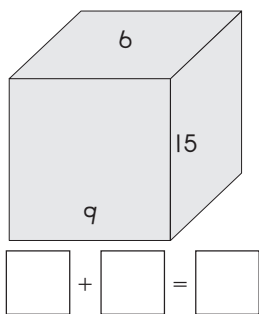
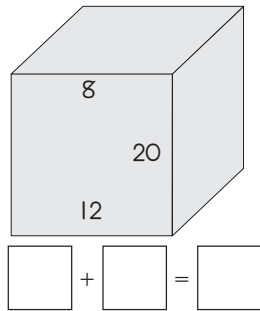
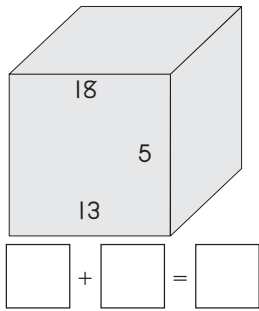
Complete the Sudoku

4	2	3	1
1	2	2	4
2	4	1	3
3	1	4	2

Enrichment Activity 3.29

Jumbled sums

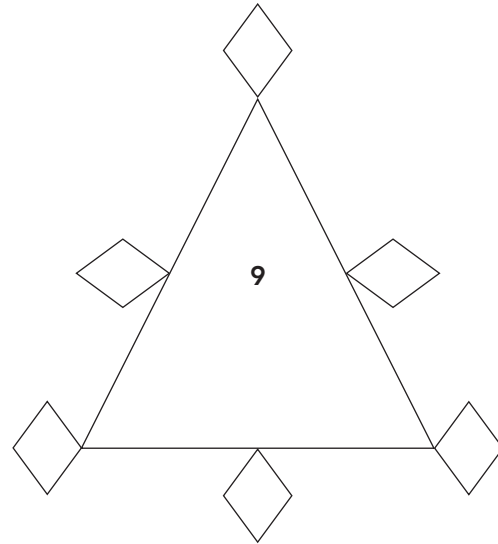
Use the numbers in the boxes to make a sum.



Enrichment Activity 3.30

Six numbers

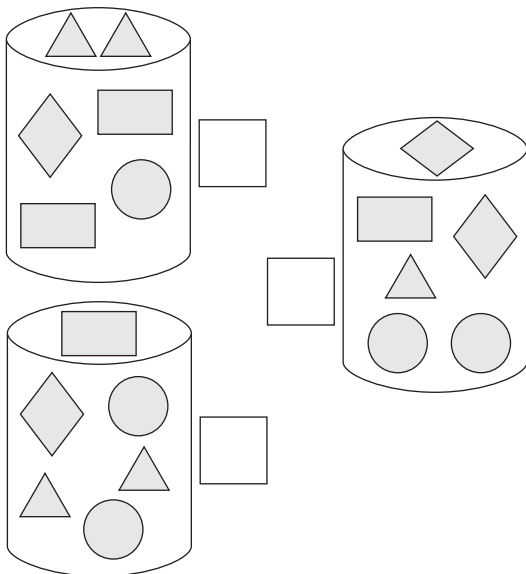
Place the numbers 1–6 in the diamonds so that each side of the triangle adds to the total inside the triangle.



Enrichment Activity 3.31

Value

What is the value of each cylinder if a rectangle is 4, a circle is 7, a triangle is 5 and a diamond is 10? Write the answer in the box.



Enrichment Activity 3.32

Colour to show the answer

Colour the numbers that will add up to the first number in the row of blocks.

17	3	5	2	9	7	8	0
----	---	---	---	---	---	---	---

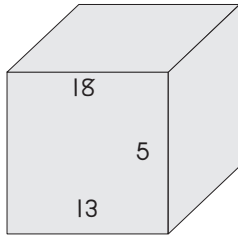
22	8	6	10	4	3	5	2
----	---	---	----	---	---	---	---

31	1	9	7	3	10	5	1
----	---	---	---	---	----	---	---

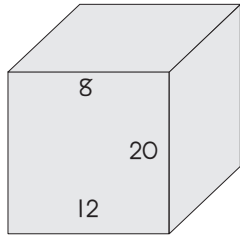
Enrichment Activity 3.29: Answers

Jumbled sums

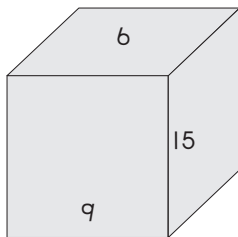
Use the numbers in the boxes to make a sum.



$$\boxed{13} + \boxed{5} = \boxed{18}$$



$$\boxed{12} + \boxed{8} = \boxed{20}$$

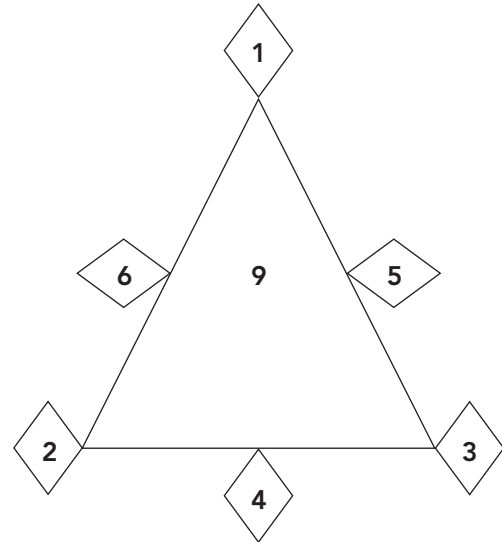


$$\boxed{9} + \boxed{6} = \boxed{15}$$

Enrichment Activity 3.30: Answers

Six numbers

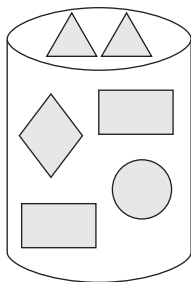
Place the numbers 1–6 in the diamonds so that each side of the triangle adds to the total inside the triangle.



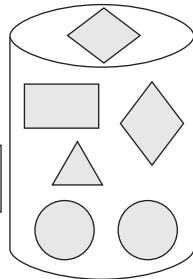
Enrichment Activity 3.31: Answers

Value

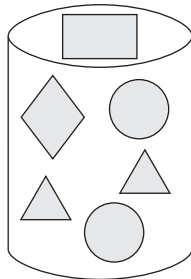
What is the value of each cylinder if a rectangle is 4, a circle is 7, a triangle is 5 and a diamond is 10? Write the answer in the box.



35



43



38

Enrichment Activity 3.32: Answers

Colour to show the answer

Colour the numbers that will add up to the first number in the row of blocks.

17	3	5	2	9	7	8	0
17	3	5	2	9	7	8	0

22	8	6	10	4	3	5	2
22	8	6	10	4	3	5	2

31	1	9	7	3	10	5	1
----	---	---	---	---	----	---	---

Enrichment Activity Cards: Sepedi version

Each term a set of new enrichment cards will be provided. You should retain this set, as they will not be reproduced each term.

Use of the enrichment activity cards

Optional as required.

These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some of the activities to the learners who use them. You should remind them to ask you questions about any of the enrichment activities that they are doing, so that you can guide them as necessary.

You should photocopy the enrichment cards, paste them onto cardboard and laminate them (if possible), so that they can be used as a resource, not only this year but in the future as well.

Put the laminated cardboard cards into a box in a set place in your classroom, so that learners know where to find them. These cards are for all learners and do not have to be used in a particular order. Learners should keep a record of the cards that they have done, so that they continue to choose a new card each time they go to the box. Learners must be taught to replace the cards in numeric order in the box, so that everyone who looks for cards can easily find the one they want to use.

Mošongwana wa go oketša tsebo 3.1

Ke nna mang?

Ke ka fase ga 20, efela ke ka fase ga 15. Moagišane o 1 ka fase ga 18 le 1 go mpheta.

Ke ka fase ga 16. Ge o nhlakantšha ga raro, ke ba 45.

Mošongwana wa go oketša tsebo 3.2

Ke mang yo a nago le tšhelete e ntši?

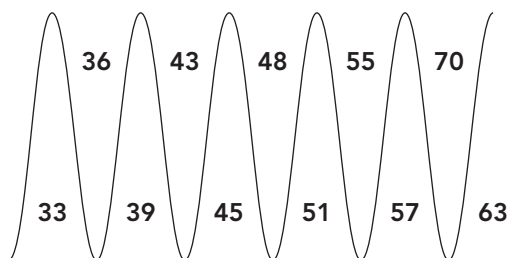
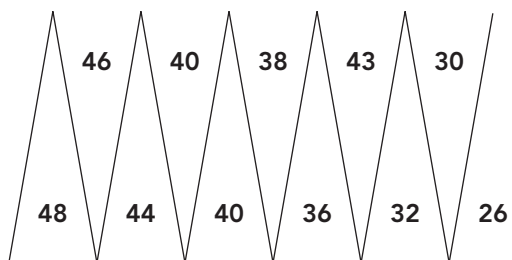
- Busi o nale: dikhoine tše pedi tša 10c, di 50c tše tharo le khoine e tee ya R2.
- Pete o nale: dikhoine tše pedi tša R1, dikhoine tše tshela tša 5c le dikhoine tše pedi tša 20c.
- Nicole o nale: dikhoine tše šupa tša 10c, dikhoine tše hlano tša 20c le dikhoine tše seswai tša 5c.

Ke mang yo a nago le tšhelete e ntši?

Mošongwana wa go oketša tsebo 3.3

Bontšha mo go nago le phošo

Šomiša phensele ya gago go khalara dinomoro le dibopego tše di fošagetšego.



Mošongwana wa go oketša tsebo 3.4

Hwetša dinomoro

Hwetša le go khalara diphere kamoka tša dipoloko mo dinomoro tšeo di lego kgauswi le, goba ka fase ga engwe, di tla go fa 30.

15	15	12	17
4	14	16	12
5	10	21	9
25	30	14	18
8	0	11	12

**Mošongwana wa go oketša tsebo 3.1:
Dikarabo**

Ke nna mang?

Ke ka fase ga 20, efela ke ka fase ga 15. Moagišane o 1 ka fase ga 18 le 1 go mpheta.

16

Ke ka fase ga 16. Ge o nhlakantšha ga raro, ke ba 45.

15

**Mošongwana wa go oketša tsebo 3.2:
Dikarabo**

Ke mang yo a nago le tšhelete e ntši?

- Busi o nale: dikhoine tše pedi tša 10c, di 50c tše tharo le khoine e tee ya R2.
- Pete o nale: dikhoine tše pedi tsa R1, dikhoine tše tshela tša 5c le dikhoine tše pedi tša 20c.
- Nicole o nale: dikhoine tše šupa tša 10c, dikhoine tše hlano tša 20c le dikhoine tše seswai tša 5c.

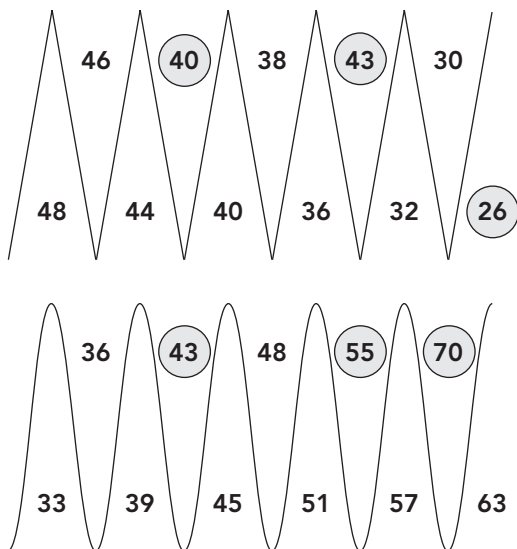
Ke mang yo a nago le tšhelete e ntši?

Busi o na le tšhelete e ntši!

**Mošongwana wa go oketša tsebo 3.4:
Dikarabo**

Bontšha mo go nago le phošo

Šomiša phensele ya gago go khalara dinomoro le dibopego tše di fošagetšego.



**Mošongwana wa go oketša tsebo 3.5:
Dikarabo**

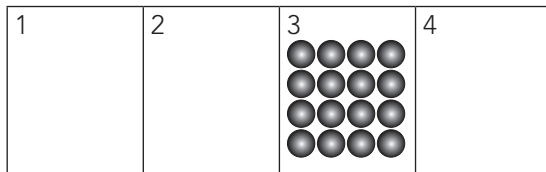
Hwetša dinomoro

Hwetša le go khalara diphere kamoka tša dipoloko mo dinomoro tšeo di lego kgauswi le, goba ka fase ga engwe, di tla go fa 30.

15	15	12	17
4	14	16	12
5	10	21	9
25	30	14	18
8	0	11	12

Mošongwana wa go oketša tsebo 3.5

Šišinya mogopolo



Lepokisi la 3 le na le dimabolo tše ka gare ga lona.

Lepokisi la 1 le na le seripagare sa seo.
 Lepokisi la 4 le na le gabedi ga lepokisi la 1.
 Lepokisi la 2 le na le seripagare sa palo dimabolo e go feta lepokisi la 4.
 Naa go nale dimabolo tše kae ka gare ga lepokisi la 1 le la 2 ge a hlakane

Mošongwana wa go oketša tsebo 3.6

Molaetša wa sephiri

Hwetša khouto o šomiša lepokisi la dikarabo.

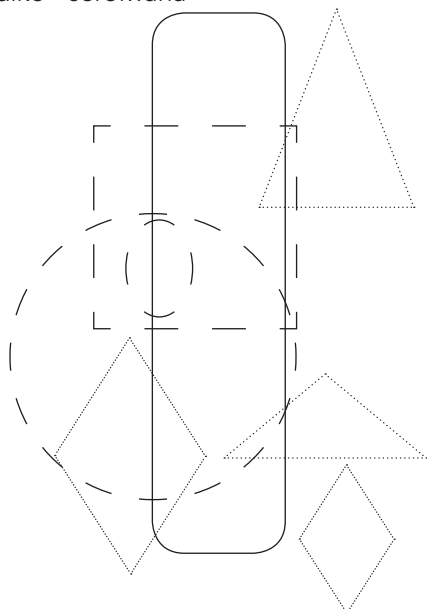
a	e	h	l	m	i	o	t	s	v
24	25	26	34	35	36	44	45	46	50

- 18 + 18 = ___
- 17 + 17 = ___
- 22 + 22 = ___
- 25 + 25 = ___
- 12 + 13 = ___
- 17 + 18 = ___
- 12 + 12 = ___
- 22 + 23 = ___
- 13 + 13 = ___
- 23 + 23 = ___

Mošongwana wa go oketša tsebo 3.7

Hwetša dibopego tše o ngwale mmala wa tšona

khutlotharo – Talalerata
 dikhutlonne – khwibidu
 didiko - serolwana



Mošongwana wa go oketša tsebo 3.8

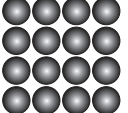
Hwetša le go khalara diphere

Kamoka tša dipoloko mo dinomoro tše di lego kgauswi le, goba ka fase ga engwe, di tla go fa 30.

26	19	4	7
3	11	18	23
27	4	26	9
13	15	29	1
17	15	11	12

**Mošongwana wa go oketša tsebo 3.5:
Dikarabo**

Šišinya mogopolo

1	2	3	4
			
8	8		16

Lepokisi la 3 le na le dimabolo tše ka gare ga lona.

Lepokisi la 1 le na le seripagare sa seo.
Lepokisi la 4 le na le gabedi ga lepokisi la 1.
Lepokisi la 2 le na le seripagare sa palo dimabolo e go feta lepokisi la 4.
Naa go nale dimabolo tše kae ka gare ga lepokisi la 1 le la 2 ge a hlakane
18

**Mošongwana wa go oketša tsebo 3.6:
Dikarabo**

Molaetša wa sephiri

Hwetša khouto o šomiša lepokisi la dikarabo.

a	e	h	l	m	i	o	t	s	v
24	25	26	34	35	36	44	45	46	50

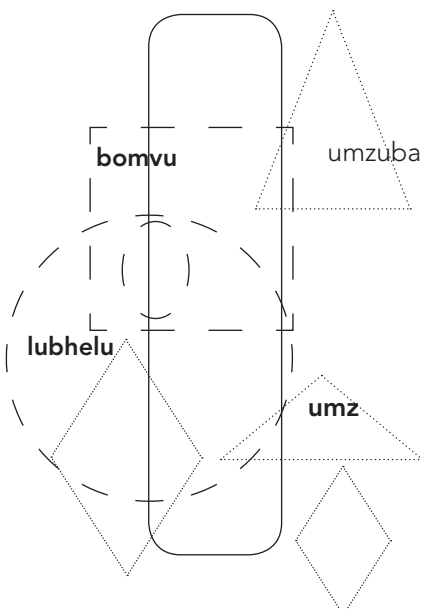
- $18 + 18 = \mathbf{36}$
- $17 + 17 = \mathbf{34}$
- $22 + 22 = \mathbf{44}$
- $25 + 25 = \mathbf{50}$
- $12 + 13 = \mathbf{25}$
- $17 + 18 = \mathbf{35}$
- $12 + 12 = \mathbf{24}$
- $22 + 23 = \mathbf{45}$
- $13 + 13 = \mathbf{26}$
- $23 + 23 = \mathbf{46}$

I l o v e m a t h s

**Mošongwana wa go oketša tsebo 3.7:
Dikarabo**

Hwetša dibopego tše o ngwale mmala wa tšona

khutlotharo – Talalerata
dikhutlonne – khwibidu
didiko - serolwana



**Mošongwana wa go oketša tsebo 3.8:
Dikarabo**

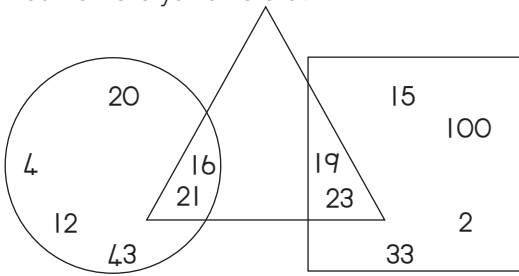
Hwetša le go khalara diphere

Kamoka tša dipoloko mo dinomoro tšeo di lego kgauswi le, goba ka fase ga engwe, di tla go fa 30.

26	19	4	7
3	11	18	23
27	4	26	9
13	15	29	1
17	15	11	12

Mošongwana wa go oketša tsebo 3.9

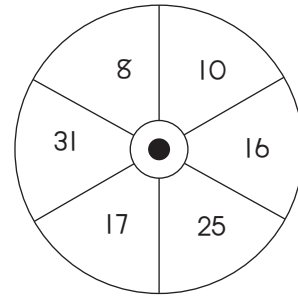
Naa nomoro ya ka ke efe?



1. Nomoro ye e ka gare ga sediko. Ke pedifatšo ya 6 _____
2. Nomoro ye e ka gare ga khutlonne. Ge o e ripa ka bogare, e ba 50. _____
3. Nomoro ye e ka gare ga khutlotharo. Ke nomoro ya go lekana ebile ke 2 ka fase ga 18. _____

Mošongwana wa go oketša tsebo 3.10

Raloka tsikele



1. Naa ke bokae dino tša digologolo ge o šomiša ditsekele tše 2? _____
2. Dino tša Ben ke 30. Naa ke dinomoro dife tše tharo tšeo a di humanago? _____, _____, _____.
3. Dino tša Sipho ke 16. Ditekele tše pedi di betha nomoro e tee. Naa ke nomoro efe a e humanago? _____

Mošongwana wa go oketša tsebo 3.11

Naa go nale dikhutlonne tše kae?

A				
B				
C				
D				

Naa go nale dikhutlonne tše kae:

Rei ya A? _____

Direi tša C + D? _____

Seripagare sa B? _____

Hlakantšha rei ya C le seripagare sa rei ya B.

Mošongwana wa go oketša tsebo 3.12

Nomoro ya 12

_____ x 1 = 12

_____ x 2 = 12

_____ x 3 = 12

_____ x 4 = 12

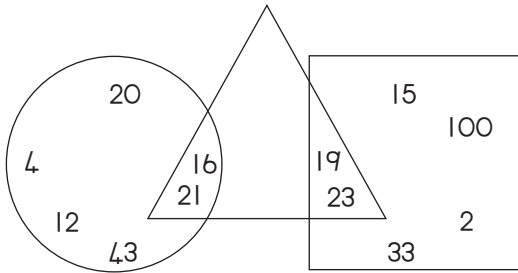
_____ x 6 = 12

_____ x 12 = 12

Mošongwana wa go oketša tsebo 3.9:

Dikarabo

Naa nomoro ya ka ke efe?

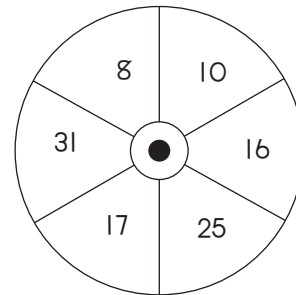


1. Nomoro ye e ka gare ga sediko. Ke pedifatšo ya 6 **12**
2. Nomoro ye e ka gare ga khutlonne. Ge o e ripa ka bogare, e ba 50. **100**
3. Nomoro ye e ka gare ga khutlotharo. Ke nomoro ya go lekana ebile ke 2 ka fase ga 18. **16**

Mošongwana wa go oketša tsebo 3.10:

Dikarabo

Raloka tsikele



1. Naa ke bokae dino tša digologolo ge o šomiša ditsekele tše 2? **62**
2. Dino tša Ben ke 30. Naa ke dinomoro dife tše tharo tšeo a di humanego? **10, 10, 10**
3. Dino tša Siphon ke 16. Ditsekele tše pedi di betha nomoro e tee. Naa ke nomoro efe a e humanago? **8**

Mošongwana wa go oketša tsebo 3.11:

Dikarabo

Naa go nale dikhutlonne tše kae?

A				
B				
C				
D				

Naa go nale dikhutlonne tše kae:

Rei ya A? **4**

Direi tša C + D? **8**

Seripagare sa B? **2**

Hlakantšha rei ya C le seripagare sa rei ya B. **6**

Mošongwana wa go oketša tsebo 3.12:

Dikarabo

Nomoro ya 12

$$12 \times 1 = 12$$

$$6 \times 2 = 12$$

$$4 \times 3 = 12$$

$$3 \times 4 = 12$$

$$2 \times 6 = 12$$

$$1 \times 12 = 12$$

Mošongwana wa go oketša tsebo 3.13

Sms your mom



Which symbols do you see if you sms this message to your mom: **I love you.**

Mošongwana wa go oketša tsebo 3.14

What is the message?



- 9 * ,

* 5 5

Mošongwana wa go oketša tsebo 3.15

Add



All the numbers in the first row: _____

All the numbers in the second row: _____

All the numbers in the third row: _____

What is the total of the numbers in rows 1 and 2?

Mošongwana wa go oketša tsebo 3.16

Some more adding



Add all of the numbers in the column starting with 1: _____

Add all of the numbers in the column starting with 2: _____

Add all of the numbers in the column starting with 3: _____

What is the total of the numbers in columns 1 and 3? _____

**Mošongwana wa go oketša tsebo 3.13:
Dikarabo**

Sms your mom



Which symbols do you see if you sms this message to your mom: **I love you.**

- " + ? 2

) + -

**Mošongwana wa go oketša tsebo 3.14:
Dikarabo**

What is the message?



- 9 * ,

l c a n

* 5 5

a d d

**Mošongwana wa go oketša tsebo 3.15:
Dikarabo**

Add



All the numbers in the first row: **6**
 All the numbers in the second row: **15**
 All the numbers in the third row: **24**
 What is the total of the numbers in rows 1 and 2? **21**

**Mošongwana wa go oketša tsebo 3.16:
Dikarabo**

Some more adding



Add all of the numbers in the column starting with 1: **12**
 Add all of the numbers in the column starting with 2: **15**
 Add all of the numbers in the column starting with 3: **18**
 What is the total of the numbers in columns 1 and 3? **30**

Mošongwana wa go oketša tsebo 3.17

Dinomoro tša odinale

Mo lefokong le

Tate o nkiša Serapeng sa diphoofole .

Ke lefe lletere la no seswai?

Mo lefokong le:

Re bone ditau le phuti.

Which is the thirteenth letter?

Mo lefokong le:

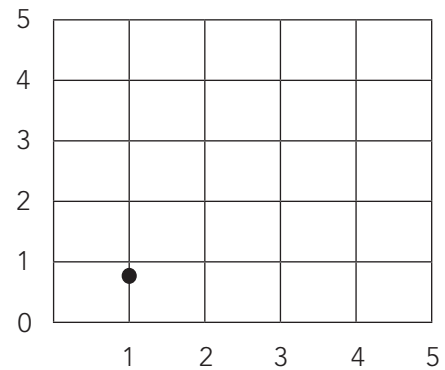
Re bone diphenkwini le ...

Ngwala maletere gore o humane gore ke phoofole efe yennngwe yeo re e boneng la bo seswai, la bo lesome ,la bobedi le lletere la bošupa

_____.

Mošongwana wa go oketša tsebo 3.18

Kopanya dikhutlo



Dira khutlo mo go 1–1 (ba šetše bago diretše yona), 2–2, 2–1 le 1–2. Kopanya dikhutlo

Naa o humana sebopego se se bjang?

Mošongwana wa go oketša tsebo 3.19

Ke nomoro efe?

Ke nale masome a 4.

Ke eng 3 ka fase ga masome?_____

Ke nale lesome 1.

Ke eng metšo e 5 go feta masome?

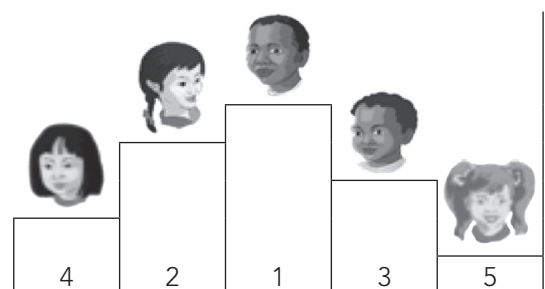
Ke nale metšo e 8.

Ke eng masome a 4 go feta metšo?

Mošongwana wa go oketša tsebo 3.20

Ke tšwile nomoro efe mo mojangong?

1. Imram o tšwile nomoro ya pele.
2. Mary o tšwile nomoro ya bobedi.
3. John o tšwile nomoro ya boraro
4. Maryke o tšwile nomoro ya bohllano.
5. Ke tšwile nomoro ya_____.



**Mošongwana wa go oketša tsebo 3.17:
Dikarabo**

Dinomoro tša odinale

Mo lefokong le

Tate o nkiša Serapeng sa diphoofolo .

Ke lefe lletere la no seswai? **i**

Mo lefokong le:

Re bone ditau le phuti.

Which is the thirteenth letter? **e**

Mo lefokong le:

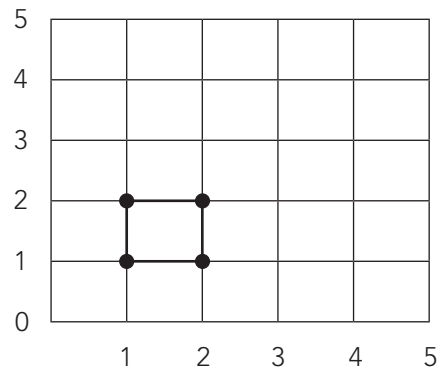
Re bone diphenkwini le ...

Ngwala maletere gore o humane gore ke phoofolo efe yennngwe yeo re e boneng la bo seswai, la bo lesome ,la bobedi le lletere la bošupa

Re bone **ditšhwene**.

**Mošongwana wa go oketša tsebo 3.18:
Dikarabo**

Kopanya dikhuto



Dira khutlo mo go 1–1 (ba šetše bago diretše yona), 2–2, 2–1 le 1–2. Kopanya dikhutlo

Naa o humana sebopego se se bjang?

sekwere

**Mošongwana wa go oketša tsebo 3.19:
Dikarabo**

Ke nomoro efe?

Ke nale masome a 4.

Ke eng 3 ka fase ga masome? **37**

Ke nale lesome 1.

Ke eng metšo e 5 go feta masome?

15

Ke nale metšo e 8.

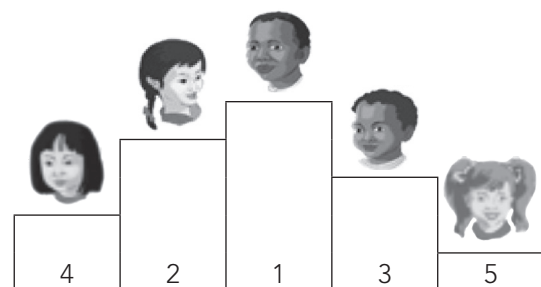
Ke eng masome a 4 go feta metšo?

48

**Mošongwana wa go oketša tsebo 3.20:
Dikarabo**

Ke tšwile nomoro efe mo mojangong?

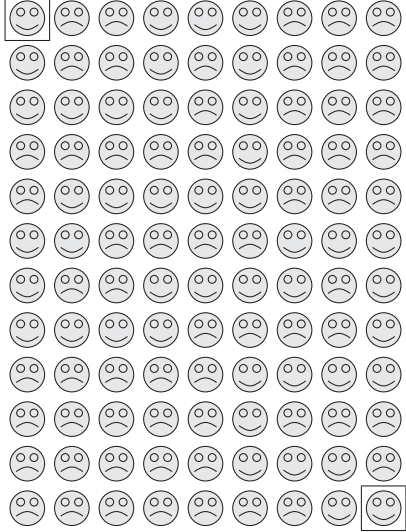
1. Imram o tšwile nomoro ya pele.
2. Mary o tšwile nomoro ya bobedi.
3. John o tšwile nomoro ya boraro
4. Maryke o tšwile nomoro ya bohllano.
5. Ke tšwile nomoro ya **bone**



Mošongwana wa go oketša tsebo 3.21

Hwetša tsela ya gago

Thoma mo sefahlegong sa mathomo, hwetša tsela ya gago go fihla sefahlegong sa mafelelelo. O swanetše go feta fela mo difahlegong tša go bontšha lethabo. O seke wa kgabola le ge e ka ba sefahlego se tee.



Mošongwana wa go oketša tsebo 3.22

Naa nomoro ye e tšweletša mo kriting?

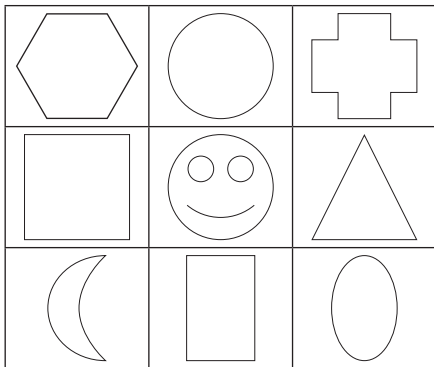
Khalara goba dira sediko mo lentšung le lengwe le le lengwe.

b	o	n	e	d	r	e
s	e	c	o	n	d	l
i	x	t	h	r	e	e
x	t	e	n	t	h	v
t	w	e	l	v	e	e
y	o	f	o	u	r	n

- 1 11
- 3 60
- 2nd 2
- 12 10th

Mošongwana wa go oketša tsebo 3.23

Ke bo mang bagwera ba ka?



Khutlonne ka mmala o khwibidu. Sefapano ka mmala wa namune. Selee ka mmala o mo talalerata. Khutlotharo ka mmala o mo pinki. sebopego sa mahlakore a tshela ka mmala o mo talamorogo. Naa sebopego sa ngwedi se bitšwa eng? _____

Khalara ka mmala o mo sorolwana

Mošongwana wa go oketša tsebo 3.24

Humana maina a dibopego mo papetleng ya maltere.

Khalara goba o retše lentšu le lengwe le le lengwe..

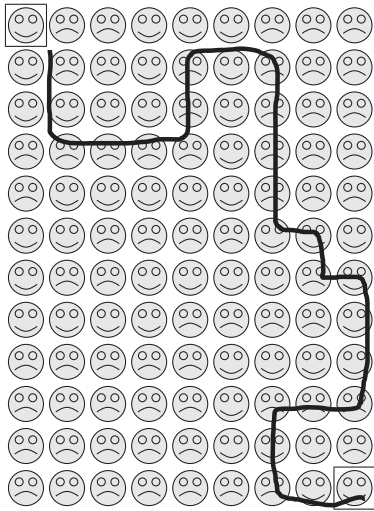
t	r	i	a	n	g	l	e	m	a
r	e	d	r	i	e	h	o	e	k
i	c	i	r	c	l	e	s	u	m
a	t	x	h	e	x	a	g	o	n
n	a	s	f	r	t	h	i	v	t
l	n	s	q	p	m	n	b	a	h
g	g	o	c	i	r	c	e	l	r
e	l	r	s	q	u	a	r	e	e
e	e	c	r	e	s	c	e	n	t

- triangle rectangle
- circle oval
- hexagon square
- crescent cross

**Mošongwana wa go oketša tsebo 3.21:
Dikarabo**

Hwetša tsela ya gago

Thoma mo sefahlegong sa mathomo, hwetša tsela ya gago go fihla sefahlegong sa mafelelelo. O swanetše go feta fela mo difahlegong tša go bontšha lethabo. O seke wa kgabola le ge e ka ba sefahlego se tee.



**Mošongwana wa go oketša tsebo 3.22:
Dikarabo**

Naa nomoro ye e tšweletša mo kriting?


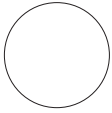




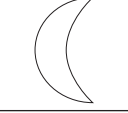
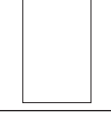
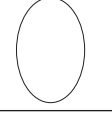
Khalara goba dira sediko mo lentšung le lengwe le le lengwe.

b	o	n	e	d	r	e
s	e	c	o	n	d	l
i	x	t	h	r	e	e
x	t	e	n	t	h	v
t	w	e	l	v	e	e
y	o	f	o	u	r	n

- 1 11
- 3 60
- 2nd 2
- 12 10th

**Mošongwana wa go oketša tsebo 3.23:
Dikarabo**

Ke bo mang bagwera ba ka?

 oluhlaza okotshani		 owolintshi
 obomvu		 obomvana
		

Khutlonne ka mmala o khwibidu. Sefapano ka mmala wa namune. Selee ka mmala o mo talalerata. Khutlotharo ka mmala o mo pinki. sebopego sa mahlakore a tshela ka mmala o mo talamorogo. Naa sebopego sa ngwedi se bitšwa eng? **sekangwedi**

Khalara ka mmala o mo sorolwana

**Mošongwana wa go oketša tsebo 3.24:
Dikarabo**

Humana maina a dibopego mo papetleng ya maltere.

Khalara goba o retše lentšu le lengwe le le lengwe.

t	r	i	a	n	g	l	e	m	a
r	e	d	r	i	e	h	o	e	k
i	c	i	r	c	l	e	s	u	m
a	t	x	h	e	x	a	g	o	n
n	a	s	f	r	t	h	i	v	t
l	n	s	q	p	m	n	b	a	h
g	g	o	c	i	r	c	e	l	r
e	l	r	s	q	u	a	r	e	e
e	e	c	r	e	s	c	e	n	t

- triangle
- circle
- hexagon
- crescent
- rectangle
- oval
- square
- cross

Mošongwana wa go oketša tsebo 3.25





Feleletša Sudoku go dira 10s

4	2		
		2	4
3	1		
		1	3





Mošongwana wa go oketša tsebo 3.26

Tšhelete

Tlhopha dikhoine go tloga ka khoine ya boleng bo bontši go fihla ka boleng bo bo nnyane. Ngwala fela dinomoro.

1. 	2. 	3. 	4. 

Tlhopha dikhoine go tloga ka khoine ya boleng bo bonnyane go fihla ka boleng bo bontši. Ngwala fela dinomoro.

1. 	2. 	3. 	4. 

Mošongwana wa go oketša tsebo 3.27

Naa nka reka eng?

O nale le R2,00. Naa o ka reka dikuku tše tharo?



O nale le R5,00. Naa o ka kgona go reka dikwele tše tharo?



Mošongwana wa go oketša tsebo 3.28

Feleletša Sudoku

	2	3	
1			4
2			3
	1	4	

Mošongwana wa go oketša tsebo 3.25:
Dikarabo





Feleletša Sudoku go dira 10s

4	2	3	1
1	3	2	4
3	1	4	2
2	4	1	3

Mošongwana wa go oketša tsebo 3.26:
Dikarabo

Tšhelete

Tlhopha dikhoine go tloga ka khoine ya boleng bo bontši go fihla ka boleng bo bo nnyane. Ngwala fela dinomoro.

1. 	2. 	3. 	4. 
2	3	4	1

Tlhopha dikhoine go tloga ka khoine ya boleng bo bonnyane go fihla ka boleng bo bontši. Ngwala fela dinomoro.

1. 	2. 	3. 	4. 
3	2	1	4

Mošongwana wa go oketša tsebo 3.27:
Dikarabo

Naa nka reka eng?

O nale le R2,00. Naa o ka reka dikuku tše tharo?



ENG

O nale le R5,00. Naa o ka kgona go reka dikwele tše tharo?



AOWA

Mošongwana wa go oketša tsebo 3.28:
Dikarabo

Feleletša Sudoku

4	2	3	1
1	2	2	4
2	4	1	3
3	1	4	2

Imisebenzi yophuculo 3.29

Izibalo ezixutyiweyo

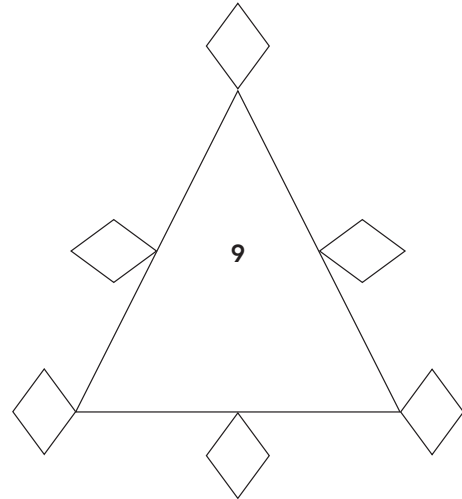
Sebenzisa amanani akwiibhokisi ukwenza izibalo

$\square + \square = \square$
 $\square + \square = \square$
 $\square + \square = \square$

Imisebenzi yophuculo 3.30

Amanani amathandathu

Beka amanani u1–6 kwidayimani ukwenzela ukuba icala ngalinye likanxantathu longeze kunxantathu ongaphakathi.



Imisebenzi yophuculo 3.31

Ixabiso

Lingaba liyintoni ixabiso lesilinda nganye ukuba iimilo ebuxande zi 4, izangqa zi 3, unxantathu om1 kunye needayimani ezi 10? Bhala impendulo kwibhokisi.

Imisebenzi yophuculo 3.32

Faka umbala ukubonakalisa impendulo

Fakela umbala kumanani ayakuthi xa edityaniswa enze inani lokuqala kumqolo webhloko.

17	3	5	2	9	7	8	0
----	---	---	---	---	---	---	---

22	8	6	10	4	3	5	2
----	---	---	----	---	---	---	---

31	1	9	7	3	10	5	1
----	---	---	---	---	----	---	---

Imisebenzi yophuculo 3.29: Iimpendulo

Izibalo ezixutyiweyo

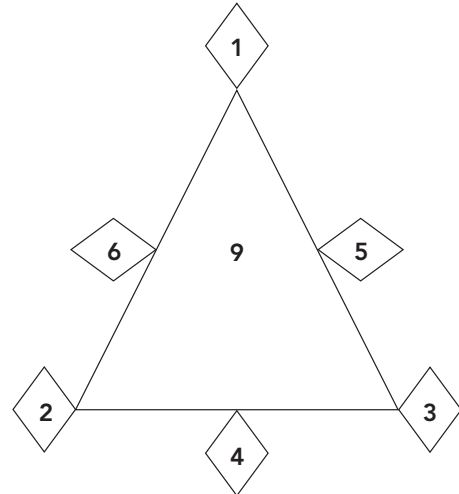
Sebenzisa amanani akwiibhokisi ukwenza iziba.

$13 + 5 = 18$
 $12 + 8 = 20$
 $9 + 6 = 15$

Imisebenzi yophuculo 3.3: Iimpendulo

Amanani amathandathu

Beka amanani u1–6 kwidayimani ukwenzela ukuba icala ngalinye likanxantathu longeze kunxantathu



Imisebenzi yophuculo 3.31: Iimpendulo

Ixabiso

Lingaba liyintoni ixabiso lesilinda nganye ukuba iimilo ebuxande zi 4, izangqa zi 3, unxantathu om1 kunye needayimani ezi 10? Bhala impendulo kwibhokisi.

Imisebenzi yophuculo 3.32: Iimpendulo

Faka umbala ukubonakalisa

Fakela umbala kumanani ayakuthi xa edityaniswa enze inani lokuqala kumqolo webhloko.

17	3	5	2	9	7	8	0
17	3	5	2	9	7	8	0

22	8	6	10	4	3	5	2
22	8	6	10	4	3	5	2

31	1	9	7	3	10	5	1
----	---	---	---	---	----	---	---

Enrichment Activity Cards: Xitsonga version

Each term a set of new enrichment cards will be provided. You should retain this set, as they will not be reproduced each term.

Use of the enrichment activity cards

Optional as required.

These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some of the activities to the learners who use them. You should remind them to ask you questions about any of the enrichment activities that they are doing, so that you can guide them as necessary.

You should photocopy the enrichment cards, paste them onto cardboard and laminate them (if possible), so that they can be used as a resource, not only this year but in the future as well.

Put the laminated cardboard cards into a box in a set place in your classroom, so that learners know where to find them. These cards are for all learners and do not have to be used in a particular order. Learners should keep a record of the cards that they have done, so that they continue to choose a new card each time they go to the box. Learners must be taught to replace the cards in numeric order in the box, so that everyone who looks for cards can easily find the one they want to use.

Minghingiriko yo Fumisa 3.1

Hi mina mani?

Ndzi le hansi ka 20, kambe ku tlula 15. Muakelani wa mina u 1 hunguta 18 na n'we ku tlula mina.

Ndzi le hansi ka 16. Loko u ndzi hlanganisa ka nharhu, ndzi hundzuka 45.

Minghingiriko yo Fumisa 3.2

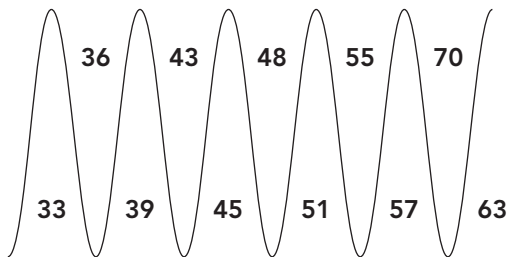
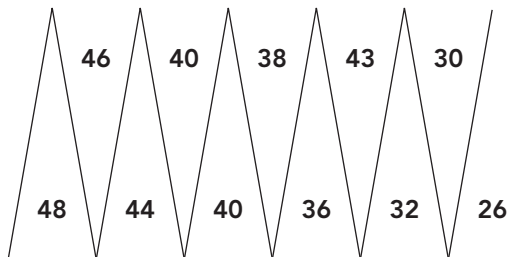
I mani a nga na mali yo tala

- Busi u na: mbirhi 10c swingwece, nharhu 50c swingwece na n'we R2 swingwece.
- Pete u na: mbirhi R1 swingwece, tsevu 5c swingwece na mbirhi 20c swingwece.
- Nicole u na: nkombo 10c swingwece, ntlhanu 20c swingwece na nhungu 5c swingwece.

I mani a nga na mali yo tala?

Minghingiriko yo Fumisa 3.3

Lava xihoxo



Minghingiriko yo Fumisa 3.4

Kuma tinomboro

Kuma u khalara tibuloko leti fambaka hi timbirhi-mbirhi laha tinomboro timbirhi ti nga ekusuhi, kumbe hansi ka yin'wana, ti ku nyika 30.

15	15	12	17
4	14	16	12
5	10	21	9
25	30	14	18
8	0	11	12

Minghingiriko yo Fumisa 3.1: Tinhlamulo

Hi mina mani?

Ndzi le hansi ka 20, kambe ku tlula 15. Muakelani wa mina u 1 hunguta 18 na n'we ku tlula mina.

16

Ndzi le hansi ka 16. Loko u ndzi hlanganisa ka nharhu, ndzi hundzuka 45

15

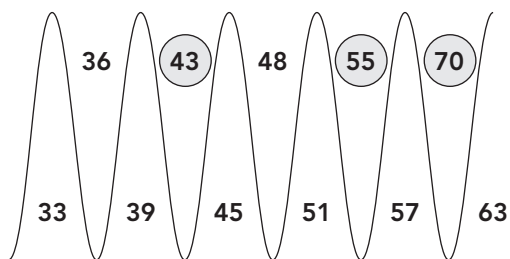
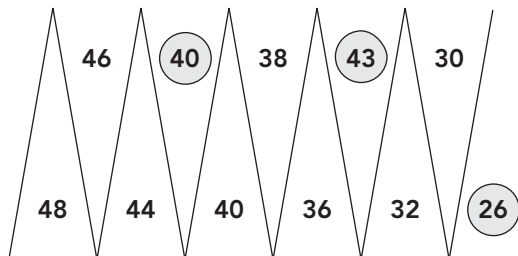
Mfumiso wa Nghingiriko 3.2: Tinhlamulo

Imani a nga na mali yo tala?

- Busi u na: mbirhi 10c swingwece, nharhu 50c swingwece na n'we R2 swingwece.
- Pete u na: mbirhi R1 swingwece, tsevu 5c swingwece na mbirhi 20c swingwece.
- Nicole u na: nkombo 10c swingwece, ntlhanu 20c swingwece na nhungu 5c swingwece.

Mfumiso wa Nghingiriko 3.3: Tinhlamulo:

Lava xihoxo



so wa Nghingiriko 3.4: Tinhlamulo

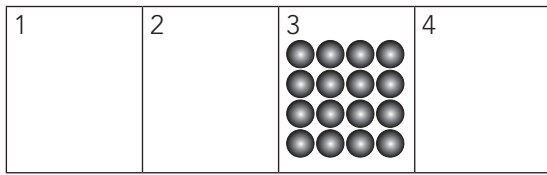
Kuma tinomboro

Kuma u khalara tibuloko leti fambaka hi timbirhi-mbirhi laha tinomboro timbirhi ti nga ekusuhi, kumbe hansi ka yin'wana, ti ku nyika 30.

15	15	12	17
4	14	16	12
5	10	21	9
25	30	14	18
8	0	11	12

Minghingiriko yo Fumisa 3.5

Vungunya byongo



Bokisi 3 ri na 16 wa timabulu.

Bokisi 1 ri na hafu ya tona.

Bokisi 4 ri na swimbirhi swo tala ku tlula bokisi 1.

Bokisi 2 ri na hafu ya ntsengo wa mandza ku tlula bokisi 4.

Xana ku na timabulu tingani ka bokisi 1 na bokisi 2 loko ti hlanganile?

Minghingiriko yo Fumisa 3.6

Marungulo ya swihundla

Tshova khodu u tirhisa bokisi ra hlamulo.

a	e	h	l	m	i	o	t	s	v
24	25	26	34	35	36	44	45	46	50

1. $18 + 18 = \underline{\quad}$
2. $17 + 17 = \underline{\quad}$
3. $22 + 22 = \underline{\quad}$
4. $25 + 25 = \underline{\quad}$
5. $12 + 13 = \underline{\quad}$
6. $17 + 18 = \underline{\quad}$
7. $12 + 12 = \underline{\quad}$
8. $22 + 23 = \underline{\quad}$
9. $13 + 13 = \underline{\quad}$
10. $23 + 23 = \underline{\quad}$

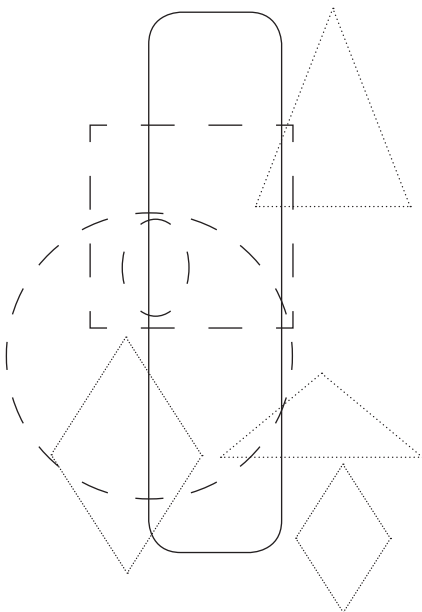
Minghingiriko yo Fumisa 3.7

Kuma swivumbeko u tsala muhlovo

yinhlanharhu - wasi

swikwere – tshwuka

swirhendzevutana - xitshopana



Minghingiriko yo Fumisa 3.8

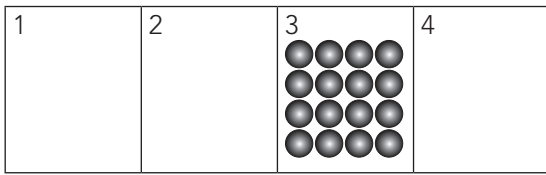
Kuma tinomboro

Kuma u khalara tibuloko leti fambaka hi timbirhi-mbirhi laha tinomboro timbirhi ti nga ekusuhi, kumbe hansi ka yin'wana, ti ku nyika 30.

26	19	4	7
3	11	18	23
27	4	26	9
13	15	29	1
17	15	11	12

Minghingiriko yo Fumisa 3.5: Tinhlamulo

Vungunya byongo



Bokisi 3 ri na 16 wa timabulu.

Bokisi 1 ri na hafu ya tona.

Bokisi 4 ri na swimbirhi swo tala ku tlula bokisi 1.

Bokisi 2 ri na hafu ya ntsengo wa mandza ku tlula bokisi 4.

Xana ku na timabulu tingani ka bokisi 1 na bokisi 2 loko ti hlanganile?

18

Minghingiriko yo Fumisa 3.6: Tinhlamulo

Marungulo ya swihundla

Tshova khodu u tirhisa bokisi ra hlamulo.

a	e	h	l	m	i	o	t	s	v
24	25	26	34	35	36	44	45	46	50

1. $18 + 18 = \underline{\quad}$
2. $17 + 17 = \underline{\quad}$
3. $22 + 22 = \underline{\quad}$
4. $25 + 25 = \underline{\quad}$
5. $12 + 13 = \underline{\quad}$
6. $17 + 18 = \underline{\quad}$
7. $12 + 12 = \underline{\quad}$
8. $22 + 23 = \underline{\quad}$
9. $13 + 13 = \underline{\quad}$
10. $23 + 23 = \underline{\quad}$

I love maths

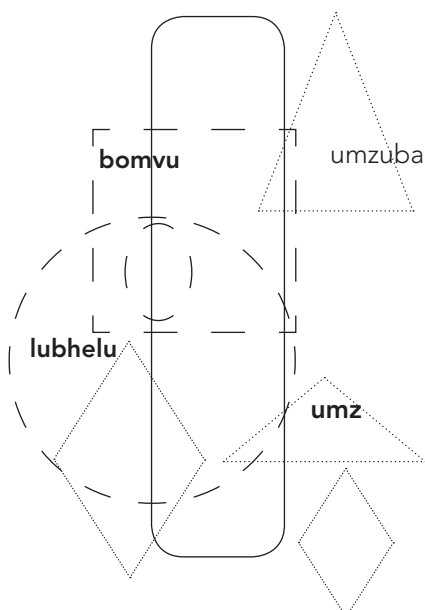
Minghingiriko yo Fumisa 3.7: Tinhlamulo

Kuma swivumbeko u tsala muhlovo

yinhlanharhu - wasi

swikwere – tshwuka

swirhendzevutana - xitshopana



Minghingiriko yo Fumisa 3.8: Tinhlamulo

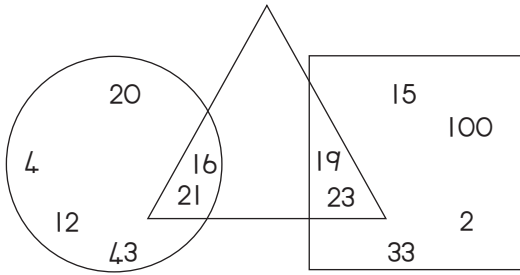
Kuma tinomboro

Kuma u khalara tibuloko leti fambaka hi timbirhi-mbirhi laha tinomboro timbirhi ti nga ekusuhi, kumbe hansi ka yin'wana, ti ku nyika 30.

26	19	4	7
3	11	18	23
27	4	26	9
13	15	29	1
17	15	11	12

Minghingiriko yo Fumisa 3.9

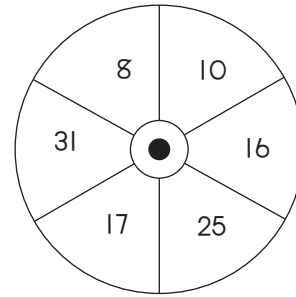
I mani nomboro ya mina?



1. Nomboro leyi yi le endzeni ka xirhendzevutana. Yi kambirhi 6.
2. Nomboro leyi yi le endzeni ka xikwere. Loko u yi tsema hi le xikarhi, yi hundzuka 50.
3. Nomboro leyi yi le ka yinhlantarhu. I nomboro yo ringana yi 2 hansi ka 18.

Minghingiriko yo Fumisa 3.10

Ntlanga dati



1. Hi wihi nkutlunyo wa le henhla loko u tirhisa dati? __
2. Ben u na minkutlunyo ya 30. Hi tihhi tinomboro tinharhu leti a nga ti kuma? __, __/__.
3. Siphon u na minkutlunyo ya 16. Tidati timbirhi ti bile nomboro yin'we. Hi yihi nomboro leyi a nga yi kuma? __

Minghingiriko yo Fumisa 3.11

Xana i swikwere swingani?

A				
B				
C				
D				

Xana ku na swikwere swingani:

ntila A? __

ntila C + D? __

Hafu ya ntila B? __

Engetela ntila C na hafu ka ntila B. __

Minghingiriko yo Fumisa 3.12

Nomboro 12

$$\underline{\quad} \times 1 = 12$$

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

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

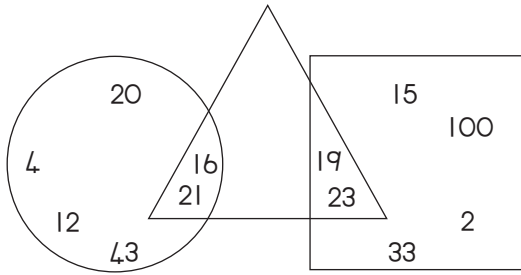
$$\underline{\quad} \times 4 = 12$$

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

$$\underline{\quad} \times 12 = 12$$

Minghingiriko yo Fumisa 3.9: Tinhlamulo

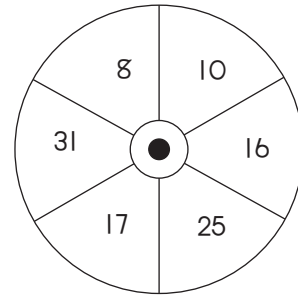
I mani nomboro ya mina?



1. Nomboro leyi yi le endzeni ka xirhendzevutana. Yi kambirhi 6. **12**
2. Nomboro leyi yi le endzeni ka xikwere. Loko u yi tsema hi le xikarhi, yi hundzuka 50. **100**
3. Nomboro leyi yi le ka yinhlanharhu. I nomboro yo ringana yi 2 hansi ka 18. **16**

Minghingiriko yo Fumisa 3.10: Tinhlamulo

Ntlanga dati



1. Hi wihi nkutlunyo wa le henhla loko u tirhisa dati? **62**
2. Ben u na minkutlunyo ya 30. Hi tihi tinomboro tinharhu leti a nga ti kuma? **10, 10, 10.**
3. Sipho u na minkutlunyo ya 16. Tidati timbirhi ti bile nomboro yin'we. Hi yihi nomboro leyi a nga yi kuma? **16**

Minghingiriko yo Fumisa 3.11: Tinhlamulo

Xana i swikwere swingani?

A				
B				
C				
D				

Xana ku na swikwere swingani:

ntila A? **4**

ntila C + D? **8**

Hafu ya ntila B? **2**

Engetela ntila C na hafu ka ntila B. **6**

Minghingiriko yo Fumisa 3.12: Tinhlamulo

Nomboro 12

$$12 \times 1 = 12$$

$$6 \times 2 = 12$$

$$4 \times 3 = 12$$

$$3 \times 4 = 12$$

$$2 \times 6 = 12$$

$$1 \times 12 = 12$$

Minghingiriko yo Fumisa 3.13

Rhumela manana wa wena marungulo



Hi wihi mfungho lowu u wu vonaka loko u rhumela marungulo ka manana wa wena "I love you."

Minghingiriko yo Fumisa 3.14

I yini marungulo?



- 9 * ,

* 5 5

Minghingiriko yo Fumisa 3.15

Hlanganisa



Tinomboro hinkwato ka nxaxa wo sungula:

Tinomboro tinkwato ka nxaxa wa vimbirhi: _____

Tinomboro hinkwato ka nxaxa wa vunharhu: _____

Hi wihi ntsengo wa tinomboro ka tinxaxa wa 1 na 2? _____

Minghingiriko yo Fumisa 3.16

Hlangaisa ko hlayanyan



Hlanganisa tinomboro hinkwato ka kholomu u sungula hi 1: _____

Hlanganisa tinomboro hinkwato ka kholomu u sungula hi 2: _____

Hlanganisa tinomboro hinkwato u sungula hi 3: _____

Hi wihi ntsengo wa tinomboro ka kholomu 1 na 3? _____

Minghingiriko yo Fumisa 3.13: Tinhlamulo

Rhumela manana wa wena marungulo



Hi wihi mfungho lowu u wu vonaka loko u rhumela marungulo ka manana wa wena "I love you."

- " + ? 2

) + -

Minghingiriko yo Fumisa 3.14: Tinhlamulo

I yini marungulo?



- 9 * ,
 l c a n

* 5 5
 a d d

Minghingiriko yo Fumisa 3.15: Tinhlamulo

Hlanganisa



Tinomboro hinkwato ka nxaxa wo sungula: **6**
 Tinomboro tinkwato ka nxaxa wa vimbirhi: **15**
 Tinomboro hinkwato ka nxaxa wa vunharhu: **24**
 Hi wihi ntsengo wa tinomboro ka tinxaxa wa 1 na 2? **21**

Minghingiriko yo Fumisa 3.16: Tinhlamulo

Hlangaisa ko hlayanyan



Hlanganisa tinomboro hinkwato ka kholomu u sungula hi 1: **12**
 Hlanganisa tinomboro hinkwato ka kholomu u sungula hi 2: **15**
 Hlanganisa tinomboro hinkwato u sungula hi 3: **18**
 Hi wihi ntsengo wa tinomboro ka kholomu 1 na 3? **30**

Minghingiriko yo Fumisa 3.17

Tinomboro leti landzelanaka

Ka xivulwa:

Tatana u ndzi yisile entangeni wa swiharhi.
Hi rihi letere ra vunhungu?

Ka xivulwa:

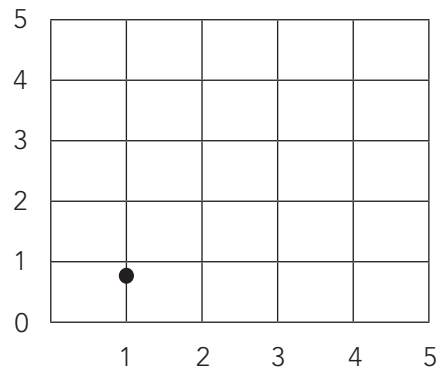
Hi vonile nghala na mhunti.
Hi rihi letere ra vukhume nharhu?

Ka xivulwa:

Hi vonile tiphengwini na ...
Tsala maletere ehansi ku kuma swiharhi
swin'wana leswi u nga swi vona: nhungu,
vukhume, ra vumbirhi na letere ra vukombo.

Minghingiriko yo Fumisa 3.18

Hlanganisa tidoto



Endla tidoto ka 1-1 (u endleriwile yona), 2-2,
2-1 na 1-2.

Hlanganisa tidoto.

Hi xihhi xivumbeko lexi u nga xikuma?

Minghingiriko yo Fumisa 3.19

Xana i mani nomboro?

Ndzi na 4 vukhume.

I yini yi nga hansi ka vukhume hi 3 yuniti?

Ndzi na 1 vukhume.

I yini yi nga hansi ka vukhume 5?

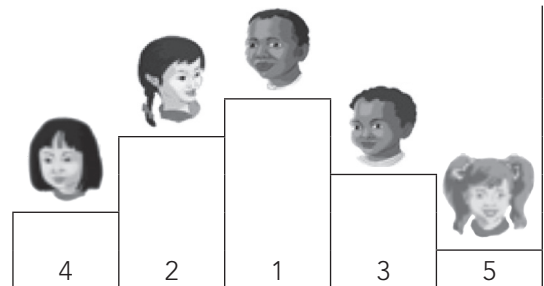
Ndzi na 8 yuniti.

I yini yi nga henhla ka vukhume hi 4 yuniti?

Minghingiriko yo Fumisa 3.20

Ndzi fi kile kwini hi phikizano?

1. Imram u fi kile ku sungula.
2. Mary ku landzerile ra vumbirhi.
3. John ku landzerile ra vunharhu.
4. Maryke ku landzerile ra vuntlhanu.
5. Ndzi fi kile _____.



Minghingiriko yo Fumisa 3.17: Tinhlamulo

Tinomboro leti landzelanaka

Ka xivulwa:

Tatana u ndzi yisile entangeni wa swiharhi.

Hi rihi letere ra vunhungu? n

Ka xivulwa:

Hi vonile nghala na mhunti.

Hi rihi letere ra vukhume nharhu? h

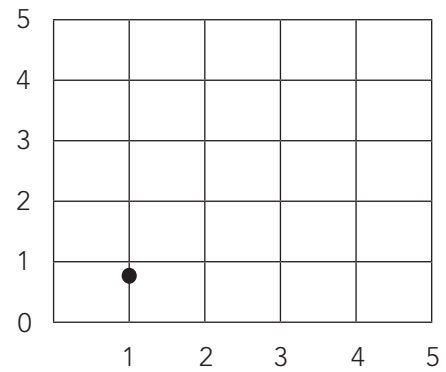
Ka xivulwa:

Hi vonile tiphengwini na ...

Tsala maletere ehansi ku kuma swiharhi swin'wana leswi u nga swi vona: nhungu, vukhume, ra vumbirhi na letere ra vukombo.

Minghingiriko yo Fumisa 3.18: Tinhlamulo

Hlanganisa tidoto



Endla tidoto ka 1–1 (u endleriwile yona), 2–2, 2–1 na 1–2.

Hlanganisa tidoto.

Hi xihi xivumbeko lexi u nga xikuma?

ikwere

Minghingiriko yo Fumisa 3.19: Tinhlamulo

Xana i mani nomboro?

Ndzi na 4 vukhume.

I yini yi nga hansi ka vukhume hi 3 yuniti?

37

Ndzi na 1 vukhume.

I yini yi nga hansi ka vukhume 5?

15

Ndzi na 8 yuniti.

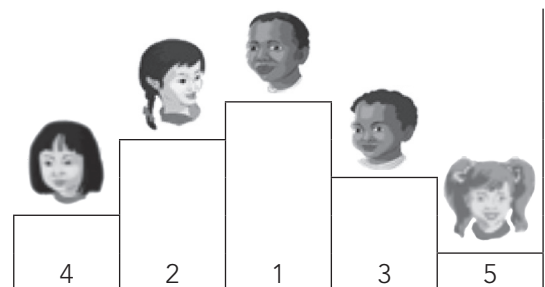
I yini yi nga henhla ka vukhume hi 4 yuniti?

48

Minghingiriko yo Fumisa 3.20: Tinhlamulo

Ndzi fi kile kwini hi phikizano?

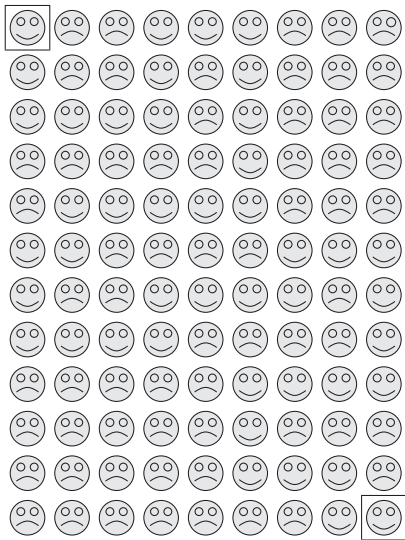
1. Imram u fi kile ku sungula.
2. Mary ku landzerile ra vumbirhi.
3. John ku landzerile ra vunharhu.
4. Maryke ku landzerile ra vuntlhanu.
5. Ndzi fi kile **ravumune**.



Minghingiriko yo Fumisa 3.21

Kuma ndlela ya wena

Sungula ka xikandza xo rhangana u kuma ndlela yo fi ka ka xikandza xo hetelela u hundza ka swikandza swo tsaka. U nga hundzi xikarhi ka swikandza.



Minghingiriko yo Fumisa 3.22

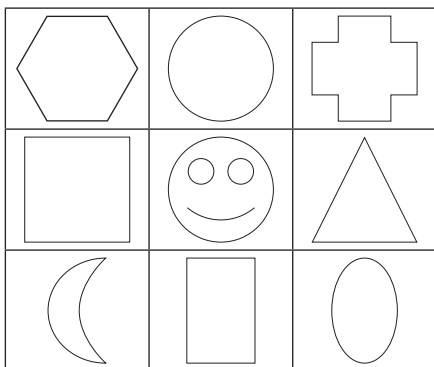
Xana vito ra nomboro yi kwihi ka giridi ya maletere? Khalara kumbe u ba xirhendzevutana.

b	o	n	e	d	r	e
s	e	c	o	n	d	l
i	x	t	h	r	e	e
x	t	e	n	t	h	v
t	w	e	l	v	e	e
y	o	f	o	u	r	n

1 11
 3 60
 2nd 2
 12 10th

Minghingiriko yo Fumisa 3.23

I vamani vanghana va mina?



Khalara swivumbeko:
 Xikwere xo tshwuka.
 Xihambano xa xilamula.
 Tandza wasi.
 Yinhlantarhu pinki.
 Matlhelo ya tsevu rihlaza.
 Xana xivumbeko xa n'hweti xi vuriwa yini?

_____ Khalara hi muhlovo wa xitshopana.

Minghingiriko yo Fumisa 3.24

Kuma mavito ya xivumbeko ka maletere ya giridi. Khalara kumbe u ba xirhendzevutana ka rito rin'wana na rin'wana.

t	r	i	a	n	g	l	e	m	a
r	e	d	r	i	e	h	o	e	k
i	c	i	r	c	l	e	s	u	m
a	t	x	h	e	x	a	g	o	n
n	a	s	f	r	t	h	i	v	t
l	n	s	q	p	m	n	b	a	h
g	g	o	c	i	r	c	e	l	r
e	l	r	s	q	u	a	r	e	e
e	e	c	r	e	s	c	e	n	t

triangle rectangle
 circle oval
 hexagon square
 crescent cross

Minghingiriko yo Fumisa 3.25





Hretisa Sudoku ku endla 10s

4	2		
		2	4
3	1		
		1	3





Minghingiriko yo Fumisa 3.26

Mali

Longoloxa swingwece leswi nga na nkoka wa le henhla ku fi ka ka swingwece swa nkoka wa le hansi. Tsala tinomboro ntsena.

1. 	2. 	3. 	4. 

Sweswi longoloxa swingwece ku suka ka nkoka wa le hansi ku fi ka ka nkoka wa le henhla. Tsala tinomboro ntsena.

1. 	2. 	3. 	4. 

Minghingiriko yo Fumisa 3.27

Ndzi nga xava yini?

U na R2, 00. Xana u nga xava makhekhe manharhu?



U na R5, 00. Xana u nga xava tibolo tinharhu?



Minghingiriko yo Fumisa 3.28

Hetisa Sudoku

	2	3	
1			4
2			3
	1	4	

Minghingiriko yo Fumisa 3.25: Tinhlamulo





Hretisa Sudoku ku endla 10s

4	2	3	1
1	3	2	4
3	1	4	2
2	4	1	3





Minghingiriko yo Fumisa 3.26: Tinhlamulo

Mali

Longoloxa swingwece leswi nga na nkoka wa le henhla ku fi ka ka swingwece swa nkoka wa le hansi. Tsala tinomboro ntsena.

1. 	2. 	3. 	4. 
2	3	4	1

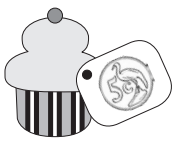
Sweswi longoloxa swingwece ku suka ka nkoka wa le hansi ku fi ka ka nkoka wa le henhla. Tsala tinomboro ntsena.

1. 	2. 	3. 	4. 
3	2	1	4

Minghingiriko yo Fumisa 3.27: Tinhlamulo

Ndzi nga xava yini?

U na R2, 00. Xana u nga xava makhekhe manharhu?



YES

U na R5, 00. Xana u nga xava tibolo tinharhu?



NO

Minghingiriko yo Fumisa 3.28: Tinhlamulo

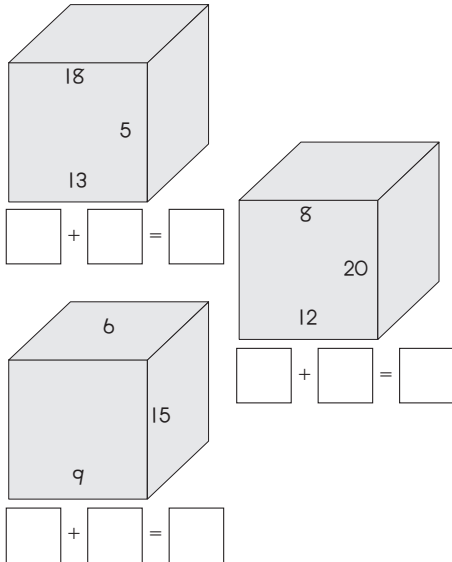
Hetisa Sudoku

4	2	3	1
1	2	2	4
2	4	1	3
3	1	4	2

Minghingiriko yo Fumisa 3.29

Jumbled tinhlayo

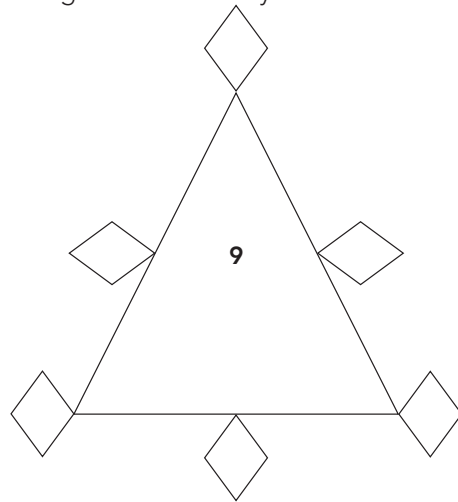
Tirhisa tinomboro endzeni ka bokisi ku endlla nhlayo.



Minghingiriko yo Fumisa 3.30

Tsevu wa tinomboro

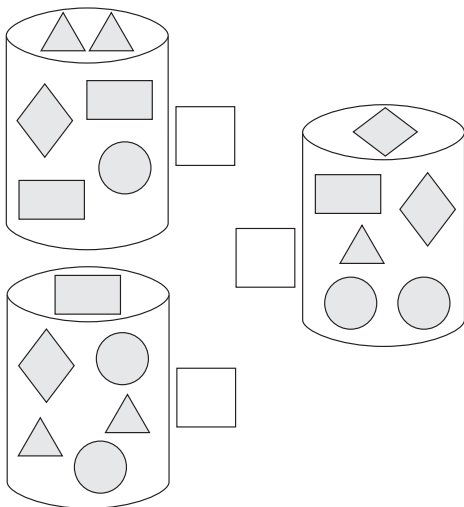
Vekela tinomboro 1–6 eka dayimodi leswaku matlhelo hinkwawo ya yinhlanharhu ma hlangana endzeni ka yinhlanharhu.



Minghingiriko yo Fumisa 3.31

Nkoka

Xana hi wihi nkoka wa silindara yin'wana na yin'wana loko rekhengula yi ri 4, xikwere 3, yinhlanharhu 1 na tidayimodi 10? Tsala nhlamulo eka bokisi.



Minghingiriko yo Fumisa 3.32

Khalara ku komba nhlamulo

Khalara tinomboro leti nga ta hlangana ti endla nomboro yo sungula eka nxaxa wa tibuloko.

17	3	5	2	9	7	8	0
----	---	---	---	---	---	---	---

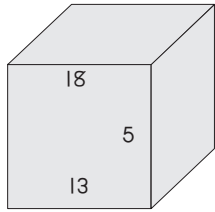
22	8	6	10	4	3	5	2
----	---	---	----	---	---	---	---

31	1	9	7	3	10	5	1
----	---	---	---	---	----	---	---

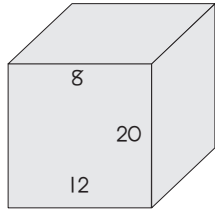
Minghingiriko yo Fumisa 3.29: Tinhlamulo

Jumbled tinhlayo

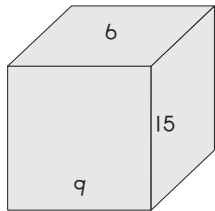
Tirhisa tinomboro endzeni ka bokisi ku endlla nhlayo.



$$\boxed{13} + \boxed{5} = \boxed{18}$$



$$\boxed{12} + \boxed{8} = \boxed{20}$$

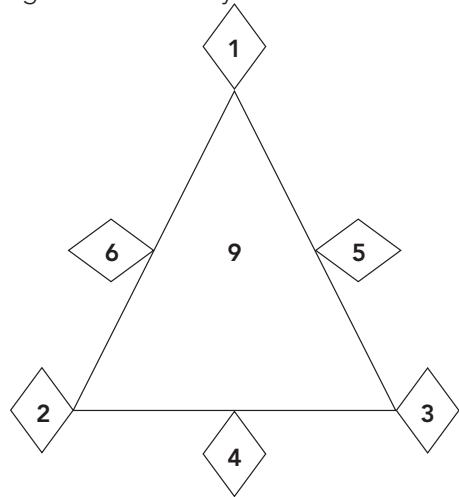


$$\boxed{9} + \boxed{6} = \boxed{15}$$

Minghingiriko yo Fumisa 3.30: Tinhlamulo

Tsevu wa tinomboro

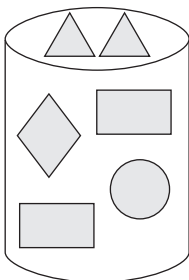
Vekela tinomboro 1–6 eka dayimodi leswaku matlhelo hinkwawo ya yinhlanharhu ma hlangana endzeni ka yinhlanharhu.



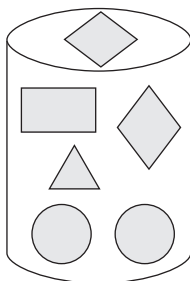
Minghingiriko yo Fumisa 3.31: Tinhlamulo

Nkoka

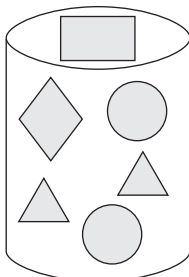
Xana hi wihl wihl nkoka wa silindara yin'wana na yin'wana loko rekthengula yi ri 4, xikwere 3, yinhlanharhu 1 na tidayimodi 10? Tsala nhlamulo eka bokisi.



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Minghingiriko yo Fumisa 3.32: Tinhlamulo

Khalara ku komba nhlamulo

Khalara tinomboro leti nga ta hlangana ti endla nomboro yo sungula eka nxaxa wa tibuloko.

17	3	5	2	9	7	8	0
17	3	5	2	9	7	8	0

22	8	6	10	4	3	5	2
22	8	6	10	4	3	5	2

31	1	9	7	3	10	5	1
----	---	---	---	---	----	---	---