

GRADE 1

TERM 3 2018

MATHEMATICS

ENGLISH /

SETSWANA

RESOURCE PACK

PRINTABLE RESOURCES

Resource Sheets


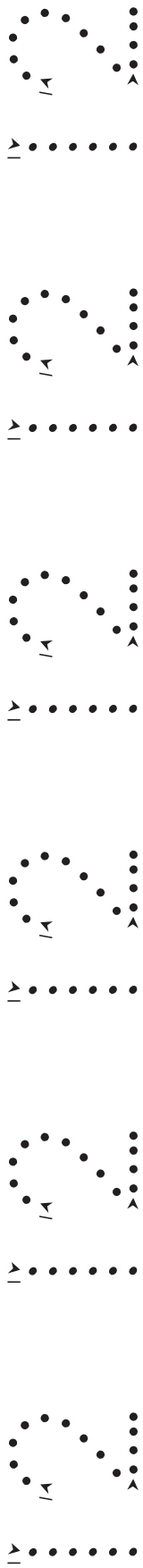



This is a list of the mathematical resources that you will need this term. You need to make sure that you have them for the lessons for which they are recommended.

1. Number tracing cards – numbers 11 and 12 (Lessons 1 and 2)
2. Number tracing cards – numbers 13 and 14 (Lessons 3 and 4)
3. Number tracing cards – number 15 (Lesson 5)
4. Flard cards (Lesson 9)
5. Days of the week (Lesson 10)
6. Months of the year (Lesson 10)
7. Number lines (Lessons 11 and 13)
8. Calendar (Lesson 20)
9. Tally table grid (Lesson 20)
10. Blank pictograph (Lesson 21)
11. Money cut-outs – coins (Lessons 22, 23 and 24)
12. Money cut-outs – notes (Lessons 22, 23 and 24)
13. 1–80 number board (Lesson 27, 28 and 29)
14. Number cards – multiples of 5 (Lesson 28)
15. Views flashcards (Lesson 40)





















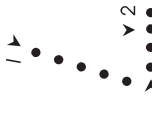

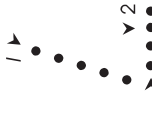



Resources for each day of teaching

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














1. Number tracing cards (Lessons 1 and 2)

2. Number tracing cards (Lessons 3 and 4)

3. Number tracing cards (Lesson 5)

4. Flard cards (Lesson 9)

6	60
7	70
8	80
9	90

1	10
2	20
3	30
4	40
5	50

5. Days of the week (Lesson 10)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

5. Malatsi a beke (Thuto 10)

Mosupologo

Labobedi

Laboraro

Labone

Labotlhano

Lamatlhatso

Latshipi

6. Months of the year (Lesson 10)

January

February

March

April

May

June

July

August

September

October

November

December

6. Dikgwedi tsa ngwaga (Thuto 10)

Ferikgong

Tlhakole

Mopitlwe

Moranang

Motsheganong

Seetebosigo

Phukwi

Phatwe

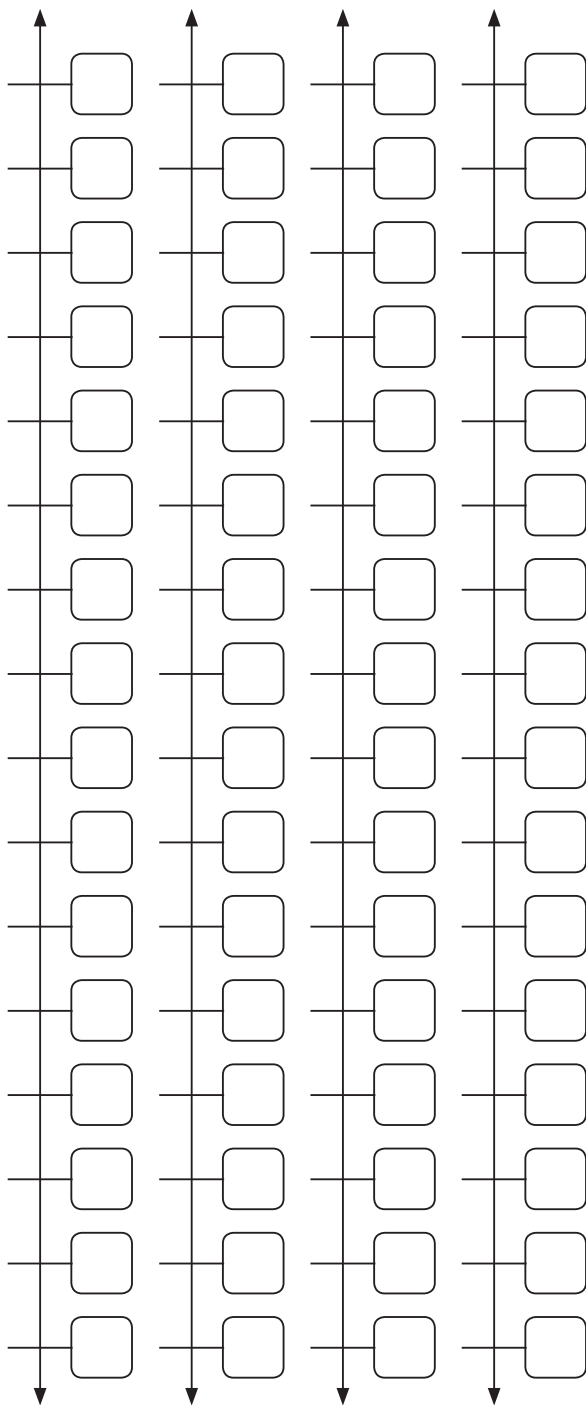
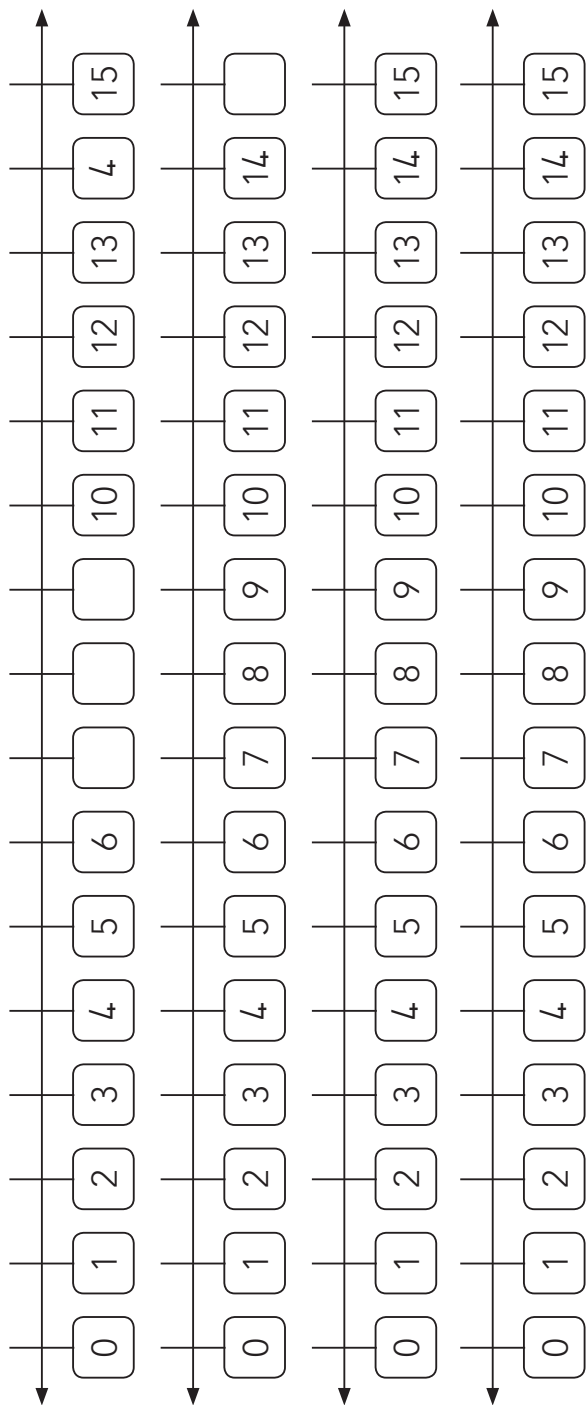
Lwetse

Diphhalane

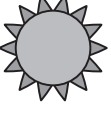

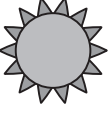

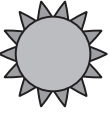

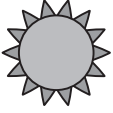



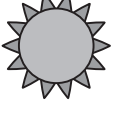


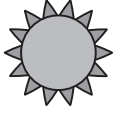
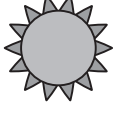
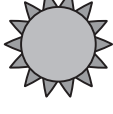

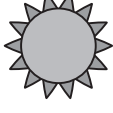

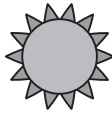


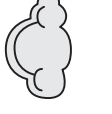

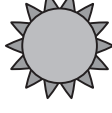


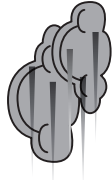
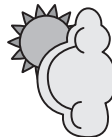
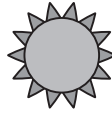

Ngwanaitseele

Sedimonthole

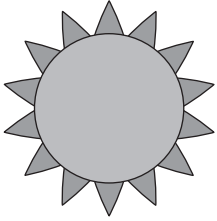

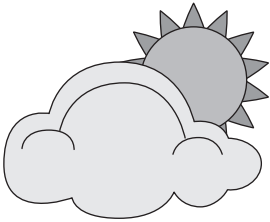
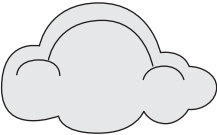
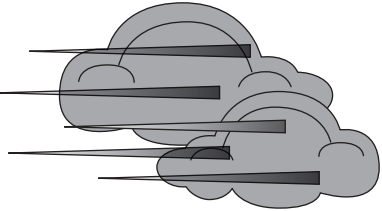
7. Number lines (Lessons 11 and 13)



8. Calendar (Lesson 20)

January							
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
		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 			

9. Tally table grid (Lesson 20)

10. Blank pictograph (Lesson 21)

Birthdays during the first term							
7							
6							
5							
4							
3							
2							
1							
	January	February	March	April			

11. Money cut-outs – coins (Lessons 22, 23 and 24)



12. Money cut-outs – notes (Lessons 22, 23 and 24)



13. 1–80 number board (Lessons 27, 28 and 31)

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

14. Number cards – multiples of 5 (Lessons 27 and 28)

5	10
15	20
25	30
35	40
45	50

15. Views flashcards (Lesson 40)

side

front

back

top

bottom

15. Lebelela dipapetlana tsa mafoko (Thuto 40)

letlhakore

pele

morago

godimo

tlase

Mental Mathematics Challenge Cards: Bilingual Version - English / Setswana

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

Order from smallest to biggest.

Tirwana ya Dipalo Karata 1

Tatelano go tswa go palo e nnye go ya go e kgolwane.

1. 10, 3, 8
2. 2, 12, 4
3. 7, 15, 4
4. 13, 9, 1
5. 14, 0, 5
6. 13, 3, 1
7. 0, 15, 8
8. 2, 11, 7
9. 14, 1, 13
10. 10, 11, 0

Maths Challenge Card 2

2 more than

Tirwana ya Dipalo Karata 2

Go feta ka 2

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

Maths Challenge Card 3

1 less than

Tirwana ya Dipalo Karata 3

Kwa tlase ka 1

1. 15
2. 8
3. 12
4. 6
5. 10
6. 13
7. 1
8. 14
9. 7
10. 9

Maths Challenge Card 4

Doubling

Tirwana ya Dipalo Karata 4

Oketsa gabedi

1. 2
2. 5
3. 7
4. 1
5. 4
6. 6
7. 3
8. $2 + 2 + 1 =$
9. $4 + 4 + 1 =$
10. $3 + 3 + 1 =$

Maths Challenge Card 1: Answers

Order from smallest to biggest.

Tirwana ya Dipalo Karata 1: Dikarabo

Tatelano go tswa go palo e nnye go ya go e kgolwane.

1. 3, 8, 10
2. 2, 4, 12
3. 4, 7, 15
4. 1, 9, 13
5. 0, 5, 14
6. 1, 3, 13
7. 0, 8, 15
8. 2, 7, 11
9. 1, 13, 14
10. 0, 10, 11

Maths Challenge Card 2: Answers

2 more than

Tirwana ya Dipalo Karata 2: Dikarabo

Go feta ka 2

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

Maths Challenge Card 3: Answers

1 less than

Tirwana ya Dipalo Karata 3: Dikarabo

Kwa tlase ka 1

1. 14
2. 7
3. 11
4. 5
5. 9
6. 12
7. 0
8. 13
9. 6
10. 8

Maths Challenge Card 4: Answers

Doubling

Tirwana ya Dipalo Karata 4: Dikarabo

Oketsa gabedi

1. 4
2. 10
3. 14
4. 2
5. 8
6. 12
7. 6
8. 5
9. 9
10. 7

Maths Challenge Card 5

Halving

Tirwana ya Dipalo Karata 5

Go hafola

1. 8
2. 12
3. 10
4. 14
5. 2
6. 3
7. 4
8. 5
9. 6
10. 7

Maths Challenge Card 6

Add

Tirwana ya Dipalo Karata 6

Go tlhakanya

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

Maths Challenge Card 7

Subtract

Tirwana ya Dipalo Karata 7

Ntsha

1. $5 - 1 =$
2. $3 - 3 =$
3. $4 - 2 =$
4. $5 - 2 =$
5. $4 - 1 =$
6. $2 - 1 =$
7. $5 - 4 =$
8. $3 - 1 =$
9. $5 - 3 =$
10. $4 - 0 =$

Maths Challenge Card 8

Add and subtract 0–5

Tirwana ya Dipalo Karata 8

Go tlhakanya le go ntsha 0–5

1. $2 + 2 =$
2. $5 - 5 =$
3. $3 + 1 =$
4. $5 - 2 =$
5. $1 + 2 =$
6. $2 - 2 =$
7. $4 + 0 =$
8. $4 - 3 =$
9. $3 + 2 =$
10. $5 - 4 =$

Maths Challenge Card 5: Answers

Halving

Tirwana ya Dipalo Karata 5: Dikarabo

Go hafola

1. 4
2. 6
3. 5
4. 7
5. 1
6. 1 and 1 left over / le 1 go sala 1
7. 2
8. 2 and 1 left over / le 2 go sala 1
9. 3
10. 3 and 1 left over / le 3 go sala 1

Maths Challenge Card 6: Answers

Add

Tirwana ya Dipalo Karata 6: Dikarabo

Go tlhakanya

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

Maths Challenge Card 7: Answers

Subtract

Tirwana ya Dipalo Karata 7: Dikarabo

Ntsha

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

Maths Challenge Card 8: Answers

Add and subtract 0–5

Tirwana ya Dipalo Karata 8: Dikarabo

Go tlhakanya le go ntsha 0–5

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

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 4 more than 3 and one less than 8.

I am next to number 10. I have 1 ten and 1 unit.

Enrichment Activity 3.2

Who has the most money?

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

_____ has the most money.

Enrichment Activity 3.3

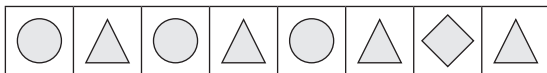
Spot the mistake.

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

2	4	7	8	10	12	13	16
---	---	---	---	----	----	----	----

5	10	15	16	20	21	25
---	----	----	----	----	----	----

10	9	8	3	7	7	6	5	7
----	---	---	---	---	---	---	---	---



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 10.

1	9	12	7
5	4	6	3
5	10	7	9
3	0	1	10
8	2	7	3

Enrichment Activity 3.1: Answers

Who am I?

I am 4 more than 3 and one less than 8.

7

I am next to number 10. I have 1 ten and 1 unit.

11

Enrichment Activity 3.2: Answers

Who has the most money?

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

Nicole has the most money.

Enrichment Activity 3.3: Answers

Spot the mistake.

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

2	4	7	8	10	12	13	16
---	---	---	---	----	----	----	----

5	10	15	16	20	21	25
---	----	----	----	----	----	----

10	9	8	3	7	7	6	5	1
----	---	---	---	---	---	---	---	---



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 10.

1	9	12	7
5	4	6	3
5	10	7	9
3	0	1	10
8	2	7	3

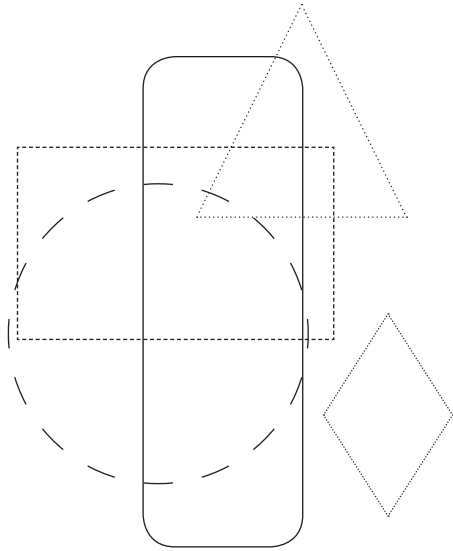
Enrichment Activity 3.5

Shapes

triangles – blue

rectangles – red

circles – yellow



Enrichment Activity 3.6

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 15.

1	11	4	9
15	6	14	2
0	5	1	2
2	8	7	3
6	9	4	12

Enrichment Activity 3.7

Add one more set of shapes to extend the pattern.



Enrichment Activity 3.8

Counting

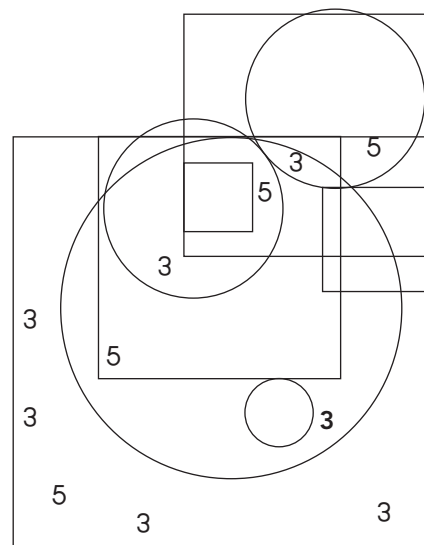
How many are there?

threes _____

circles _____

fives _____

squares _____



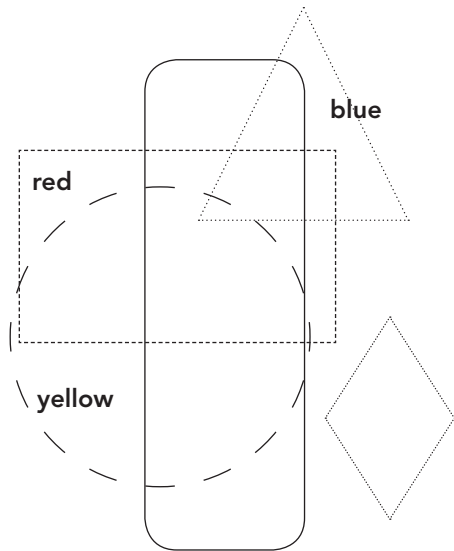
Enrichment Activity 3.5: Answers

Shapes

triangles – blue

rectangles – red

circles – yellow



Enrichment Activity 3.6: Answers

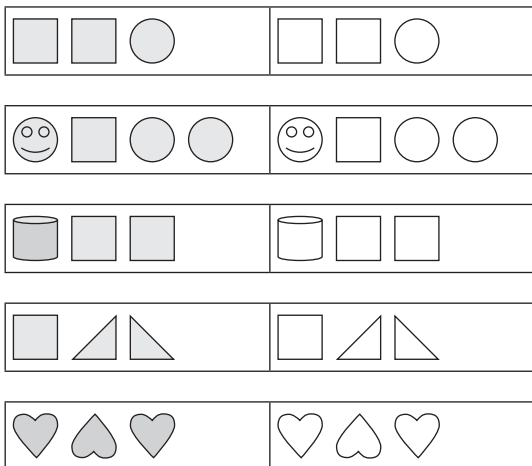
Find the numbers

Find and colour all the pairs of blocks where two numbers that are next to, or underneath one another, will give you 15.

1	11	4	9
15	6	14	2
0	5	1	2
2	8	7	3
6	9	4	12

Enrichment Activity 3.7: Answers

Add one more set of shapes to extend the pattern.

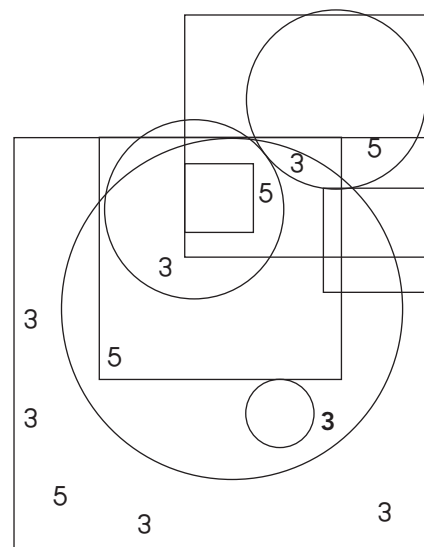


Enrichment Activity 3.8: Answers

Counting

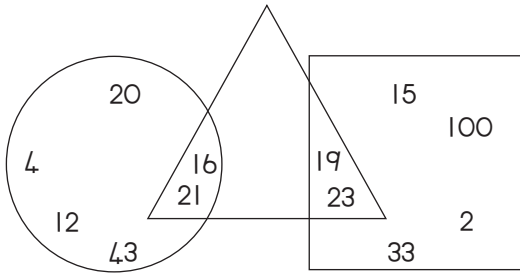
How many are there?

threes **7** circles **4**
fives **4** squares **4**



Enrichment Activity 3.9

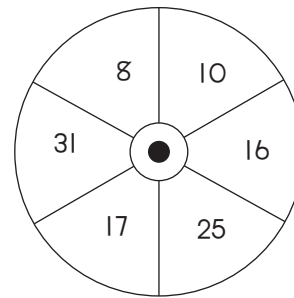
What is my number?



1. This number is in the circle. It is 1 more than 11. _____
2. This number is in the square.
It is $13 + 2$. _____
3. This number is in the triangle. It is the number that comes before 20. _____

Enrichment Activity 3.10

Playing darts



1. What is the highest score using 1 dart?

2. Ben's score is 18. Which two numbers did he get? _____, _____.
3. Siphon's score is 20. 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:

Row A? _____

Row B? _____

Row D? _____

Add the number of blocks in rows C and B

Enrichment Activity 3.12

Number 12

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

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

$$\text{_____} + 5 = 12$$

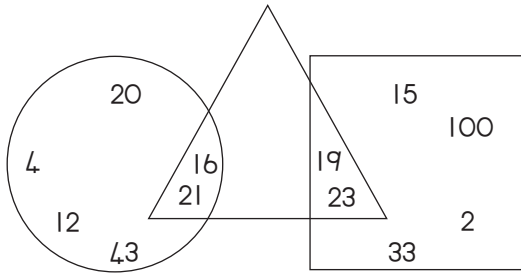
$$\text{_____} + 7 = 12$$

$$\text{_____} + 9 = 12$$

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

Enrichment Activity 3.9: Answers

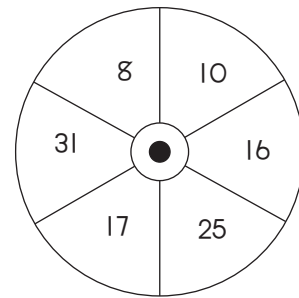
What is my number?



1. This number is in the circle. It is 1 more than 11. 12
2. This number is in the square. It is $13 + 2$. 15
3. This number is in the triangle. It is the number that comes before 20. 19

Enrichment Activity 3.10: Answers

Playing darts



1. What is the highest score using 1 dart?
31
2. Ben's score is 18. Which two numbers did he get? 8, 10.
3. Siphon's score is 20. Two darts hit the same number. Which number did he get?
10

Enrichment Activity 3.11: Answers

How many squares?

A				
B				
C				
D				

How many squares are there in:

Row A? 4

Row B? 4

Row D? 4

Add the number of blocks in rows C and B 8

Enrichment Activity 3.12: Answers

Number 12

$$11 + 1 = 12$$

$$9 + 3 = 12$$

$$7 + 5 = 12$$

$$5 + 7 = 12$$

$$3 + 9 = 12$$

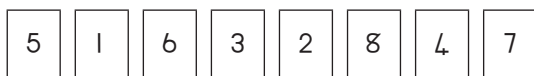
$$0 + 12 = 12$$

Enrichment Activity 3.13

Cell phone games



Which letters do you see if you look at these numbers?



Enrichment Activity 3.14

What is the word?



Look at the keys and see what colour these numbers spell:

3 2 5 _____

You do this with your eyes:

4 2 2 _____

A boy's name:

6 3 2 5 _____

Enrichment Activity 3.15

Add



Add the numbers that are on the same button as these letters:

$D + F + W = \underline{\quad}$

$X + E + R = \underline{\quad}$

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

$C + F + R = \underline{\quad}$

Enrichment Activity 3.16

Some more adding



Add the numbers that make the word **RED**.

Add the numbers that make the word **SEE**.

Add the numbers that make the word **FRED**.

Enrichment Activity 3.13: Answers

Cell phone games



Which letters do you see if you look at these numbers?

5	1	6	3	2	8	4	7
D	W	F	R	E	X	S	Z

Enrichment Activity 3.14: Answers

What is the word?



Look at the keys and see what colour these numbers spell:

3 2 5 **RED**

You do this with your eyes:

4 2 2 **SEE**

A boy's name:

6 3 2 5 **FRED**

Enrichment Activity 3.15: Answers

Add



Add the numbers that are on the same button as these letters:

$$D + F + W = 12$$

$$X + E + R = 13$$

$$F + F + Z = 19$$

$$C + F + R = 18$$

Enrichment Activity 3.16: Answers

Some more adding



Add the numbers that make the word RED.

10

Add the numbers that make the word SEE.

8

Add the numbers that make the word FRED.

16

Enrichment Activity 3.17

True or false?

Make a tick (✓) if the answer is correct.

Make a cross (✗) if the answer is wrong.

$4 + 13 = 20$

$5 + 5 + 5 = 15$

$6 + 7 + 3 = 17$

$20 - 5 - 6 = 8$

$17 - 5 - 3 = 9$

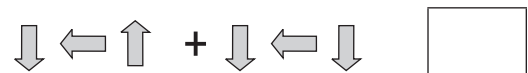
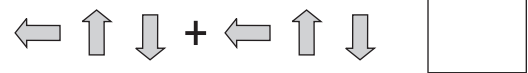
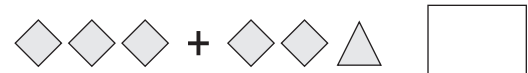
$18 - 10 - 3 = 9$

Enrichment Activity 3.18

Some more true or false

Make a tick (✓) if the answer is correct.

Make a cross (✗) if the answer is wrong.



Enrichment Activity 3.19

How many can you find?

When you count in 2s from 2 to 20?

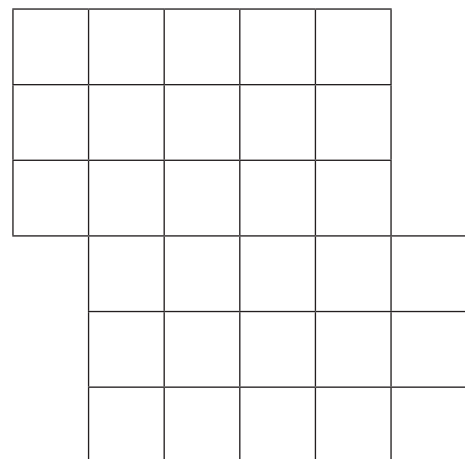
When you count in 5s from 5 to 50?

When you count in 1s from 11 to 31?

When you count in tens from 0 – 100?

Enrichment Activity 3.20

How many small squares?



Enrichment Activity 3.17: Answers

True or false?

Make a tick (✓) if the answer is correct.

Make a cross (✗) if the answer is wrong.

$4 + 13 = 20$

 ✗

$5 + 5 + 5 = 15$

 ✓

$6 + 7 + 3 = 17$

 ✗

$20 - 5 - 6 = 8$

 ✗

$17 - 5 - 3 = 9$

 ✓

$18 - 10 - 3 = 9$

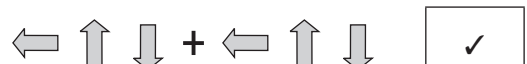
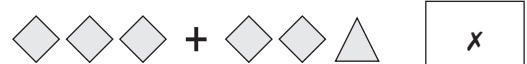
 ✗

Enrichment Activity 3.18: Answers

Some more true or false

Make a tick (✓) if the answer is correct.

Make a cross (✗) if the answer is wrong.



Enrichment Activity 3.19: Answers

How many can you find?

When you count in 2s from 2 to 20?

10

When you count in 5s from 5 to 50?

10

When you count in 1s from 11 to 31?

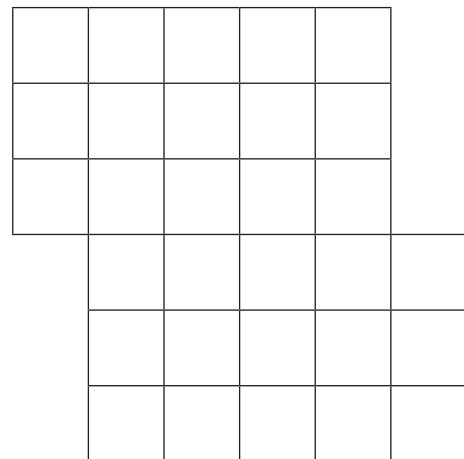
21

When you count in tens from 0 – 100?

10

Enrichment Activity 3.20: Answers

How many small squares?

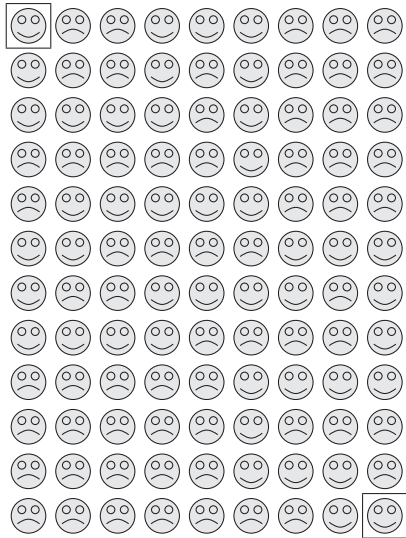


27 squares

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?

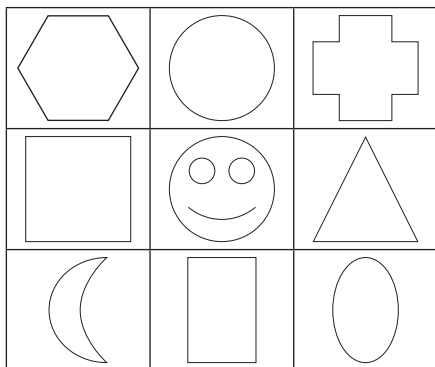
Colour it in the letter grid.

s	o	n	e	t	o	w
f	i	v	e	s	e	v
n	r	t	h	r	e	e
i	t	e	n	s	i	x
n	w	e	i	g	h	t
e	o	f	o	u	r	b

- 1 10
- 3 9
- 2 4
- 5 8

Enrichment Activity 3.23

Who are my friends?

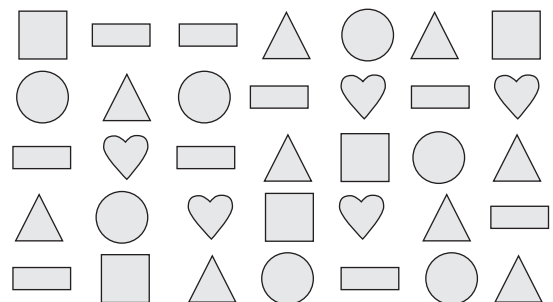


Colour the shapes:

- The cross orange.
- The triangle pink.
- The circle blue.
- The rectangles green.
- The face yellow.

Enrichment Activity 3.24

Find the shapes



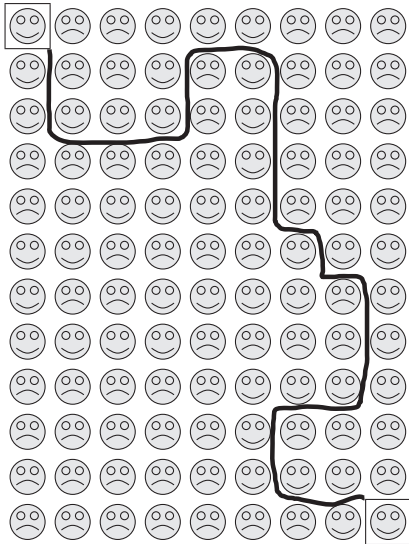
How many?:

- triangles: _____
- rectangles: _____
- circles: _____
- squares: _____

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: Answers

Where is the number name?

Colour it in the letter grid.

s	o	n	e	t	o	w
f	i	v	e	s	e	v
n	r	t	h	r	e	e
i	t	e	n	s	i	x
n	w	e	i	g	h	t
e	o	f	o	u	r	b

- 1 10
- 3 9
- 2 4
- 5 8

Enrichment Activity 3.23: Answers

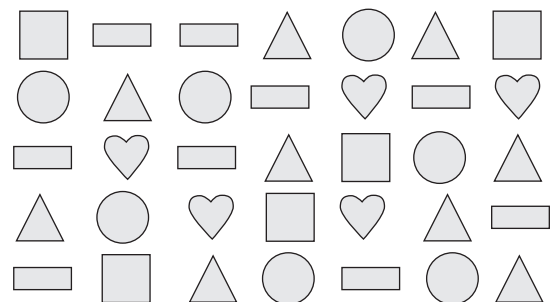
Who are my friends?

Colour the shapes:

- The cross orange.
- The triangle pink.
- The circle blue.
- The rectangles green.
- The face yellow.

Enrichment Activity 3.24: Answers

Find the shapes



How many?:

- triangles: **9**
- rectangles: **9**
- circles: **7**
- squares: **5**

Enrichment Activity 3.25





Complete the Sudoku

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





Enrichment Activity 3.26

Money - Order the coins





Choose the coin that has the most value:

1. 	2. 	3. 	4. 

Choose the coin that has the least value:

1. 	2. 	3. 	4. 

Choose the coins that you will use to buy a sweet for 35c:

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	1	4	3
4			1
1			4
3	4	1	2

Enrichment Activity 3.25: Answers





Complete the Sudoku

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





Enrichment Activity 3.26: Answers

Money - Order the coins





Choose the coin that has the most value:

1. 	2. 	3. 	4. 

Choose the coin that has the least value:

1. 	2. 	3. 	4. 

Choose the coins that you will use to buy a sweet for 35c:

1. 	2. 	3. 	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

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

Enrichment Activity 3.29

Jumbled sums

Use the numbers in the boxes to make a sum.

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

Enrichment Activity 3.30

Three numbers

Write 3 numbers in the blocks that will add up to the end number.

			15
			19
			26
			21

Enrichment Activity 3.31

Value

What is the value of each cylinder if a rectangle is 4, a circle is 3, a triangle is 1 and a diamond is 10? Write the answer in the box.

\square
 \square
 \square

Enrichment Activity 3.32

Colour to show the answer

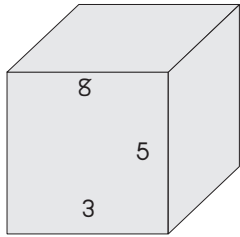
Colour the numbers that will add up to the first number in the row of blocks.

10	3	5	2	9	7	4	0
20	8	6	10	4	3	5	2
26	1	9	7	3	0	5	1

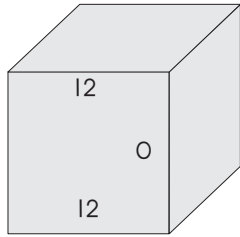
Enrichment Activity 3.29: Answers

Jumbled sums

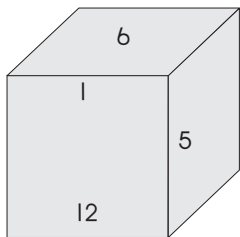
Use the numbers in the boxes to make a sum.



$$5 + 3 = 8$$



$$12 + 0 = 12$$



$$5 + 1 + 6 = 12$$

Enrichment Activity 3.30: Answers

Three numbers

Write 3 numbers in the blocks that will add up to the end number.

1	1	13	15
---	---	----	----

5	5	9	19
---	---	---	----

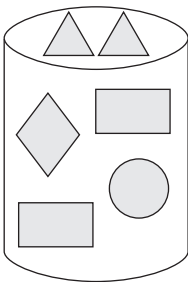
10	10	6	26
----	----	---	----

10	11	0	21
----	----	---	----

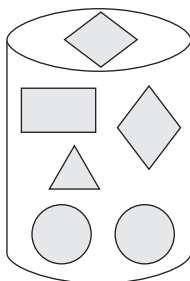
Enrichment Activity 3.31: Answers

Value

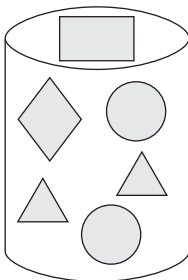
What is the value of each cylinder if a rectangle is 4, a circle is 3, a triangle is 1 and a diamond is 10? Write the answer in the box.



$$23$$



$$31$$



$$22$$

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.

10	3	5	2	9	7	4	0
10	3	5	2	9	7	4	0

20	8	6	10	4	3	5	2
20	8	6	10	4	3	5	2

26	1	9	7	3	0	5	1
----	---	---	---	---	---	---	---

Enrichment Activity Cards: Setswana 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.

Tirwana ya Tokafatso 3.1

Ke nna mang?

Ke feta 3 ka 4 mme ke monnye mo go 8 ka 1.

Ke latela palo ya 10. Ke na le lesome le le 1 le motso o le 1.

Tirwana ya Tokafatso 3.2

Ke mang yo o nang le madi a mantsi?

- Busi o na le: dipapetlana tsa 10c di le pedi, dipapetlana tsa 5c di le tharo le papetlana ya 50c e le nngwe.
- Pete o na le 0: papetlana ya R1 e le nngwe, dipapetlana tsa 5c di le pedi le papetlana ya 20 e le nngwe.
- Nicole o na le: dipapetlana tsa 10c di le tlhano, dipapetlana tsa 20c di le tlhano.

Ke mang yo o nang le madi a mantsi?

Tirwana ya Tokafatso 3.3

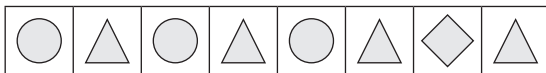
Ela tlhoko phoso.

Dirisa phensele ya gago go khalara dipalo le sebopego tse di fosagetseng.

2	4	7	8	10	12	13	16
---	---	---	---	----	----	----	----

5	10	15	16	20	21	25
---	----	----	----	----	----	----

10	9	8	3	7	7	6	5	7
----	---	---	---	---	---	---	---	---



Tirwana ya Tokafatso 3.4

Batla dipalo.

Batla o be o khalara dipara tsotlhe tsa diboloko tse dipalo tse pedi di bapileng le tsona, kgotsa tse di ka fa tlase ga tse dingwe, tse di tlaa go nayang 10.

1	9	12	7
5	4	6	3
5	10	7	9
3	0	1	10
8	2	7	3

Tirwana ya Tokafatso 3.1: Dikarabo

Ke nna mang l?

Ke feta 3 ka 4 mme ke monnye mo go 8 ka 1.

7

Ke latela palo ya 10. Ke na le lesome le le 1 le motso o le 1.

11

Tirwana ya Tokafatso 3.2: Dikarabo

Ke mang yo o nang le madi a mantsi?

- Busi o na le: dipapetlana tsa 10c di le pedi, dipapetlana tsa 5c di le tharo le papetlana ya 50c e le nngwe.
- Pete o na le 0: papetlana ya R1 e le nngwe, dipapetlana tsa 5c di le pedi le papetlana ya 20 e le nngwe.
- Nicole o na le: dipapetlana tsa 10c di le tlhano, dipapetlana tsa 20c di le tlhano.

Nicole o na le madi a mantsi.

Tirwana ya Tokafatso 3.3: Dikarabo

Ela tlhoko phoso.

Dirisa phensele ya gago go khalara dipalo le sebopego tse di fosagetseng.

2	4	7	8	10	12	13	16
---	---	---	---	----	----	----	----

5	10	15	16	20	21	25
---	----	----	----	----	----	----

10	9	8	3	7	7	6	5	1
----	---	---	---	---	---	---	---	---

○	△	○	△	○	△	◇	△
---	---	---	---	---	---	---	---

Tirwana ya Tokafatso 3.4: Dikarabo

Batla dipalo.

Batla o be o khalara dipara tsotlhe tsa diboloko tse dipalo tse pedi di bapileng le tsona, kgotsa tse di ka fa tlase ga tse dingwe, tse di tlaa go nayang 10.

1	9	12	7
5	4	6	3
5	10	7	9
3	0	1	10
8	2	7	3

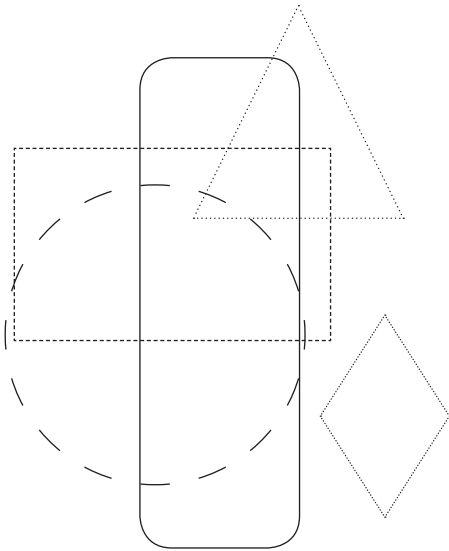
Tirwana ya Tokafatso 3.5

Dibopego

dikhutlotharo – botala jwa legodimo

dikhutlonnetsepa – bohibidu

disekele/didiko – serolwana



Tirwana ya Tokafatso 3.6

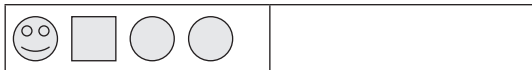
Batla dipalo

Batla o bo o khalara dipara tsothe tsa diboloko tse dipalo tse pedi tse di bapileng le tsona, kgotsa tse di ka fa tlase ga dingwe, tse di tlaa go nayang 15.

1	11	4	9
15	6	14	2
0	5	1	2
2	8	7	3
6	9	4	12

Tirwana ya Tokafatso 3.7

Tlhakanya disete tse dingwe tsa dibopego go atolosa phethene kana paterone.



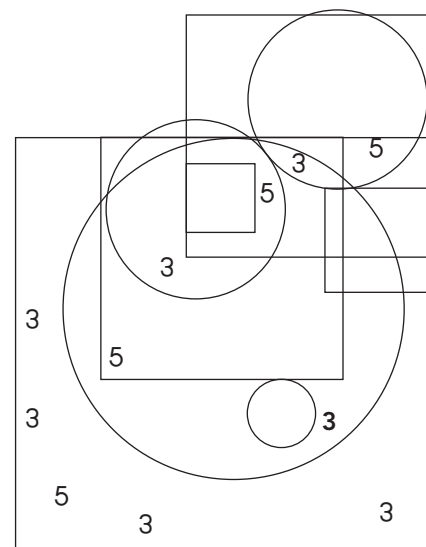
Tirwana ya Tokafatso 3.8

Go bala

Go na le di le kae?

botharo _____ disekele _____

botlhano _____ dikwere _____



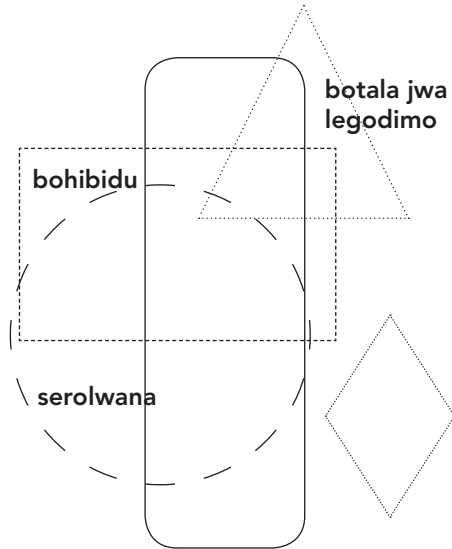
Tirwana ya Tokafatso 3.5: Dikarabo

Dibopego

dikhutlotharo – botala jwa legodimo

dikhutlonnetsepa – bohibidu

disekele/didiko – serolwana



Tirwana ya Tokafatso 3.6: Dikarabo

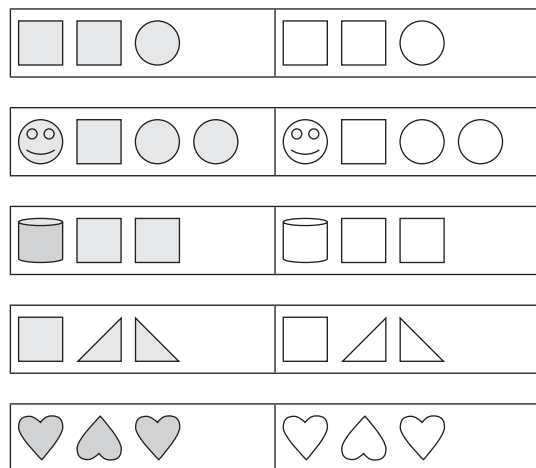
Batla dipalo

Batla o bo o khalara dipara tsothe tsa diboloko tse dipalo tse pedi tse di bapileng le tsona, kgotsa tse di ka fa tlase ga dingwe, tse di tlaa go nayang 15.

1	11	4	9
15	6	14	2
0	5	1	2
2	8	7	3
6	9	4	12

Tirwana ya Tokafatso 3.7: Dikarabo

Tlhakanya disete tse dingwe tsa dibopego go atolosa phethene kana paterone.



Tirwana ya Tokafatso 3.8: Dikarabo

Go bala

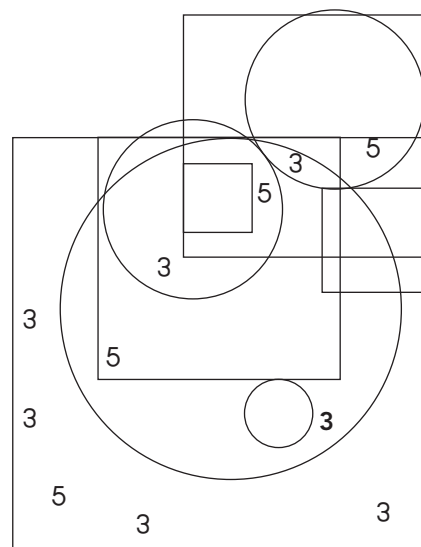
Go na le di le kae?

botharo **7**

disekele **4**

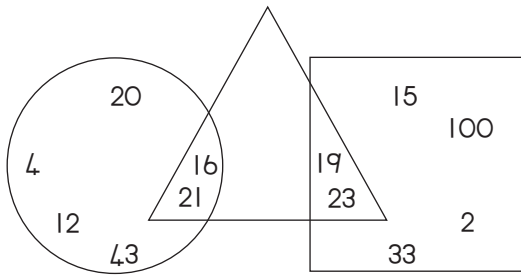
botlhano **4**

dikwere **4**



Tirwana ya Tokafatso 3.9

Palo ya me ke mang?



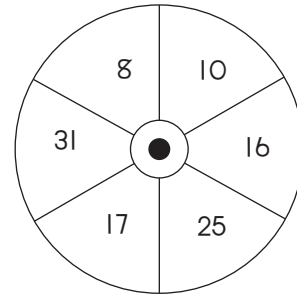
1. Palo e e mo sekeleng. E feta 11 ka 1.

2. Palo e e mo sekwereng. Ke $13 + 2$.

3. Palo e e mo khutlotharong. Ke palo e e tlang pele ga 20.

Tirwana ya Tokafatso 3.10

Go tshameka didatshe



1. Sekoro se se kwa godimodimo o dirisa datshe e le 1 ke sefe? _____
2. Sekoro sa ga Ben ke 18. O bone dipalo dife tse pedi? _____, _____.
3. Sekoro sa ga Siphon ke 20. Didatshe tse pedi di otlile palo e e tshwanang. O bone palo efe? _____

Tirwana ya Tokafatso 3.11

Go na le dikwere di le kae?

A				
B				
C				
D				

Go na le dikwere di le kae mo go:

Mola A? _____

Mola B? _____

Mola D? _____

Tlhakanya palo ya diboloko mo meleng ya C le B _____

Tirwana ya Tokafatso 3.12

Palo 12

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

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

$$\text{_____} + 5 = 12$$

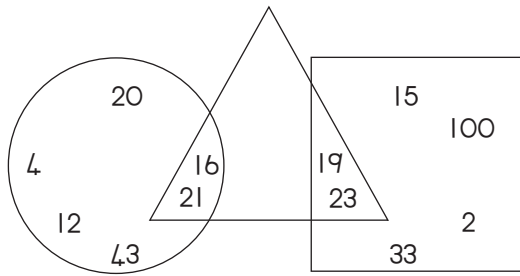
$$\text{_____} + 7 = 12$$

$$\text{_____} + 9 = 12$$

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

Tirwana ya Tokafatso 3.9: Dikarabo

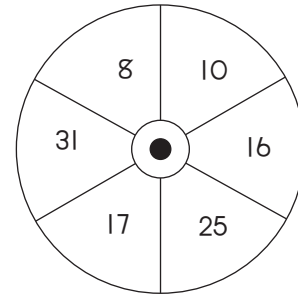
Palo ya me ke mang?



1. Palo e e mo sekeleng. E feta 11 ka 1. **12**
2. Palo e e mo sekwereng. Ke $13 + 2$. **15**
3. Palo e e mo khutlotharong.
Ke palo e e tlang pele ga 20. **19**

Tirwana ya Tokafatso 3.10: Dikarabo

Go tshameka didatshe



1. Sekoro se se kwa godimodimo o dirisa datshe e le 1 ke sefe? **31**
2. Sekoro sa ga Ben ke 18. O bone dipalo dife tse pedi? **8, 10.**
3. Sekoro sa ga Siphon ke 20. Didatshe tse pedi di otlile palo e e tshwanang. O bone palo efe? **10**

Tirwana ya Tokafatso 3.11: Dikarabo

Go na le dikwere di le kae?

A				
B				
C				
D				

Go na le dikwere di le kae mo go:

Mola A? **4**

Mola B? **4**

Mola D? **4**

Tlhakanya palo ya diboloko mo meleng ya C le B **8**

Tirwana ya Tokafatso 3.12: Dikarabo

Palo 12

$$11 + 1 = 12$$

$$9 + 3 = 12$$

$$7 + 5 = 12$$

$$5 + 7 = 12$$

$$3 + 9 = 12$$

$$0 + 12 = 12$$

Tirwana ya Tokafatso 3.13

Metshameko ya diselulafouno



O bona ditlhaka dife fa o leba dinomoro tse?

5	1	6	3	2	8	4	7
---	---	---	---	---	---	---	---

Tirwana ya Tokafatso 3.14

Lefoko leno ke eng?



Leba dilotlolo mme o bone gore dinomoro tseno di peleta mmala ofe:

3 2 5 _____

O dira seno ka matlho a gago:

4 2 2 _____

Leina la mosimane:

6 3 2 5 _____

Tirwana ya Tokafatso 3.15

Tlhakanya



Tlhakanya dipalo tse di mo konopong e e tshwanang le ya ditlhaka tse:

D + F + W = _____

X + E + R = _____

F + F + Z = _____

C + F + R = _____

Tirwana ya Tokafatso 3.16

Go tlhakanya gape



Tlhakanya dipalo tse di dirang lefoko **RED**.

Tlhakanya dipalo tse di dirang lefoko **SEE**.

Tlhakanya dinomoro tse di dirang lefoko **FRED**. _____

Tirwana ya Tokafatso 3.13: Dikarabo

Metshameko ya diselulafouno



O bona ditlhaka dife fa o leba dinomoro tse?

5	I	6	3	2	8	4	7
D	W	F	R	E	X	S	Z

Tirwana ya Tokafatso 3.14: Dikarabo

Lefoko leno ke eng?



Leba dilotlolo mme o bone gore dinomoro tseno di peleta mmala ofe:

3 2 5 **RED**

O dira seno ka matlho a gago:

4 2 2 **SEE**

Leina la mosimane:

6 3 2 5 **FRED**

Tirwana ya Tokafatso 3.15: Dikarabo

Tlhakanya



Tlhakanya dipalo tse di mo konopong e e tshwanang le ya ditlhaka tse:

$D + F + W = 12$

$X + E + R = 13$

$F + F + Z = 19$

$C + F + R = 18$

Tirwana ya Tokafatso 3.16: Dikarabo

Okunye ukuhlanganisa okwengeziwe



Tlhakanya dipalo tse di dirang lefoko **RED. 10**

Tlhakanya dipalo tse di dirang lefoko **SEE. 8**

Tlhakanya dinomoro tse di dirang lefoko **FRED. 16**

Tirwana ya Tokafatso 3.17

Nnete kgotsa Fosagetse?

Dira letshwao (✓) fa karabo e nepagetse.
Thala sekere (✗) fa karabo e fosagetse.

$4 + 13 = 20$

$5 + 5 + 5 = 15$

$6 + 7 + 3 = 17$

$20 - 5 - 6 = 8$

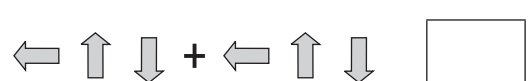
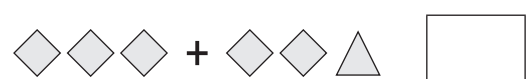
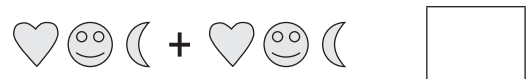
$17 - 5 - 3 = 9$

$18 - 10 - 3 = 9$

Tirwana ya Tokafatso 3.18

Nnete le Fosagetse gape

Dira letshwao (✓) fa karabo e nepagetse.
Thala sekere (✗) fa karabo e fosagetse.



Tirwana ya Tokafatso 3.19

O kgona go bona di le kae?

Fa o bala ka bo 2 go tloga ka 2 go fitlha ka 20?

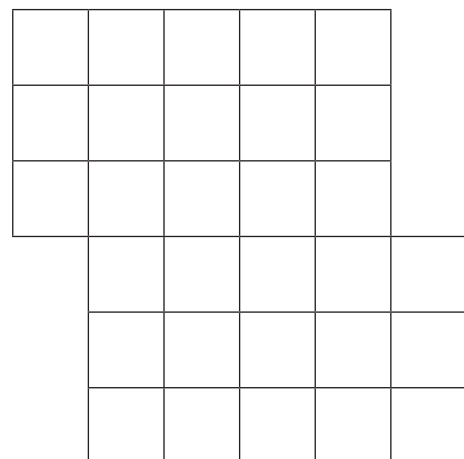
Fa o bala ka bo 5 go tloga ka 5 go fitlha ka 50?

Fa o bala go tloga ka 11 go fitlha ka 31?

Fa o bala ka bo 10 go tloga ka 0-100?

Tirwana ya Tokafatso 3.20

Ke dikwere tse dinnye di le kae?



Tirwana ya Tokafatso 3.17: Dikarabo

Nnete kgotsa Fosagetse?

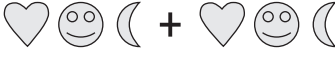



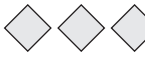
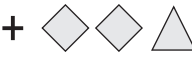




Dira letshwao (✓) fa karabo e nepagetse.
Thala sekere (✗) fa karabo e fosagetse.

- 4 + 13 = 20 ✗
- 5 + 5 + 5 = 15 ✓
- 6 + 7 + 3 = 17 ✗
- 20 - 5 - 6 = 8 ✗
- 17 - 5 - 3 = 9 ✓
- 18 - 10 - 3 = 9 ✗

Tirwana ya Tokafatso 3.18: Dikarabo

Nnete le Fosagetse gape

Dira letshwao (✓) fa karabo e nepagetse.
Thala sekere (✗) fa karabo e fosagetse.

-  +  ✓
-  +  ✗
-  +  ✗
-  +  ✓
-  +  ✗

Tirwana ya Tokafatso 3.19: Dikarabo

O kgona go bona di le kae?

Fa o bala ka bo 2 go tloga ka 2 go fitlha ka 20?

10

Fa o bala ka bo 5 go tloga ka 5 go fitlha ka 50?

10

Fa o bala go tloga ka 11 go fitlha ka 31?

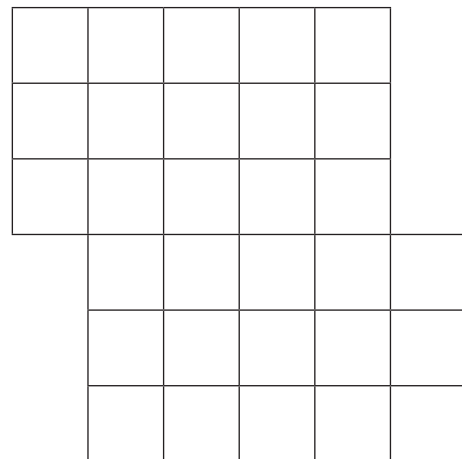
21

Fa o bala ka bo 10 go tloga ka 0-100?

10

Tirwana ya Tokafatso 3.20: Dikarabo

Ke dikwere tse dinnye di le kae?

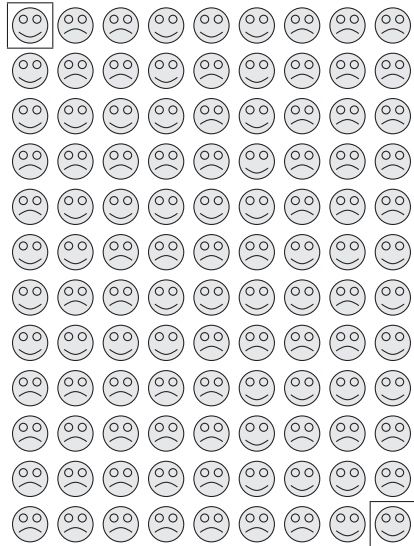


27 dikwere

Tirwana ya Tokafatso 3.21

Batla tsela ya gago

Simolola kwa sefatlhego sa ntlha mme o batle tsela ya go ya kwa sefatlhegong sa bofelo ka go feta fela mo difatlhegong tse di itumetseng. O se ka wa feta mo difatlhegong tse di tlhontseng.



Tirwana ya Tokafatso 3.22

Leinapalo le kae?

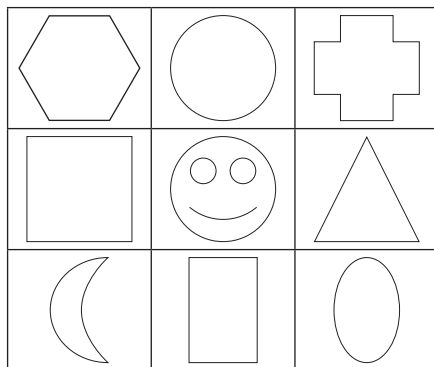
Le tshasemmala mo keriting ya ditlhaka.

s	o	n	e	t	o	w
f	i	v	e	s	e	v
n	r	t	h	r	e	e
i	t	e	n	s	i	x
n	w	e	i	g	h	t
e	o	f	o	u	r	b

- 1 10
- 3 9
- 2 4
- 5 8

Tirwana ya Tokafatso 3.23

Ditsala tsa me ke bomang?

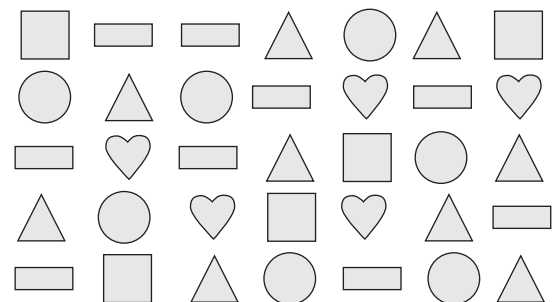


Khalara dibopego:

- Sekere mmala wa namune.
- Khutlotharo pinki.
- Sekele botala jwa legodimo.
- Khutlonnetsepa botala jwa tlhaga.
- Sefatlhego se se serolwana.

Tirwana ya Tokafatso 3.24

Batla dibopego



Ke tse kae?

- Dikhutlotharo: _____
- Dikhutlonnetsepa: _____
- Disekele kana didiko: _____
- Dikwere: _____

Tirwana ya Tokafatso 3.25





Feleletsa Sudoku

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





Tirwana ya Tokafatso 3.26

Madi





Tlhomaganya dikhoene: Tlhopha khoene e e nang le tlhotlwa e ntsi:

1. 	2. 	3. 	4. 

Tlhopha khoene e e nang le tlhotlwa e nnye:

1. 	2. 	3. 	4. 

Tlhopha dikhoene tse o tlaa di dirisang go reka dimonamone ka 35c:

1. 	2. 	3. 	4. 

Tirwana ya Tokafatso 3.27

Ke kgona go reka eng?

O na le R2, 00. A o kgona go reka dikukukopi tse tharo?



O na le R5, 00. A o kgona go reka dikgwele di le tharo?



Tirwana ya Tokafatso 3.28

Feleletsa Sudoku

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

Tirwana ya Tokafatso 3.25: Dikarabo





Feleletsa Sudoku

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





Tirwana ya Tokafatso 3.26: Dikarabo

Madi





Tlhomaganya dikhoene: Tlhopha khoene e e nang le tlhotlha e ntsi :

1. 	2. 	3. 	4. 

Tlhopha khoene e e nang le tlhotlha e nnye:

1. 	2. 	3. 	4. 

Tlhopha dikhoene tse o tlaa di dirisang go reka dimonamone ka 35:

1. 	2. 	3. 	4. 

Tirwana ya Tokafatso 3.27: Dikarabo

Ke kgona go reka eng?

O na le R2, 00. A o kgona go reka dikukukopi tse tharo?



ee

O na le R5, 00. A o kgona go reka dikgwele di le tharo?



nnyaya

Tirwana ya Tokafatso 3.28: Dikarabo

Feleletsa Sudoku

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

Tirwana ya Tokafatso 3.29

Dipalelo tse di tlhakatlhakantsweng

Dirisa dipalo tse di mo mabokosong go dira palelo.

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

Tirwana ya Tokafatso 3.30

Dipalo tse tharo

Kwala dipalo di le 3 mo dibolokong tse di tlaa tlhakanyetsang go nna palo ya bofelo.

			15
			19
			26
			21

Tirwana ya Tokafatso 3.31

Tlhotlhwa

Tlhotlhwa ya selintara nngwe le nngwe ke eng fa sekwere e le 4, sekele e le 3, khutlotharo e le 1 le taemane e le 10? Kwala karabo mo lebokosong.

\square
 \square
 \square

Tirwana ya Tokafatso 3.32

Khalara go bontsha karabo

Khalara dipalo tse di tlaa tlhakanyetsang go nna palo ya ntlha mo bolokong.

10	3	5	2	9	7	4	0
20	8	6	10	4	3	5	2
26	1	9	7	3	0	5	1

Tirwana ya Tokafatso 3.29: Dikarabo

Dipalelo tse di tlhakatlhakantsweng

Dirisa dipalo tse di mo mabokosong go dira palelo izibalo.

$5 + 3 = 8$
 $12 + 0 = 12$
 $5 + 1 + 6 = 12$

Tirwana ya Tokafatso 3.30: Dikarabo

Dipalo tse tharo

Kwala dipalo di le 3 mo dibolokong tse di tlaa tlhakanyetsang go nna palo ya bofelo.

1	1	13	15
---	---	----	----

5	5	9	19
---	---	---	----

10	10	6	26
----	----	---	----

10	11	0	21
----	----	---	----

Tirwana ya Tokafatso 3.31: Dikarabo

Tlhotlha

Tlhotlha ya selintara nngwe le nngwe ke eng fa sekwere e le 4, sekele e le 3, khutlotharo e le 1 le taemane e le 10? Kwala karabo mo lebokosong.

23
 31
 22

Tirwana ya Tokafatso 3.32: Dikarabo

Khalara go bontsha karabo

Khalara dipalo tse di tlaa tlhakanyetsang go nna palo ya ntlha mo bolokong.

10	3	5	2	9	7	4	0
10	3	5	2	9	7	4	0

20	8	6	10	4	3	5	2
20	8	6	10	4	3	5	2

26	1	9	7	3	0	5	1
----	---	---	---	---	---	---	---