

GRADE 1

TERM 3 2018

**MATHEMATICS
ENGLISH / ISIXHOSA**

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.

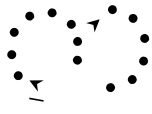

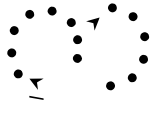

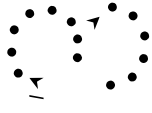

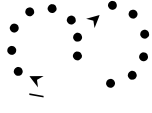





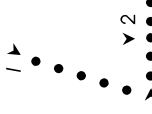

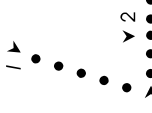

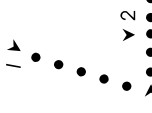

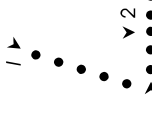

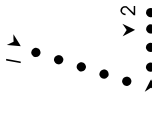

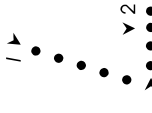

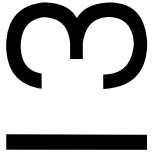

1. Number tracing cards – numbers 11 and 12 (Lessons 1 and 2)
2. Number tracing cards – numbers 13 and 14 (Lessons 3 and 4)
3. Number tracing cards – number 15 (Lesson 5)
4. Flard cards (Lesson 9)
5. Days of the week (Lesson 10)
6. Months of the year (Lesson 10)
7. Number lines (Lessons 11 and 13)
8. 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













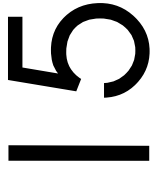
There are also other resources such as informal resources (old magazines, pieces of string, scrap paper, etc.) that you may need in certain lessons. You should have a careful look at the list of resources needed for each lesson; this list is given in the lesson plans each day. Prepare yourself, so that 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. lintsuku zeveki (Isifundo se-10)

uMvulo

uLwesibini

uLwesithathu

uLwesine

uLwesihlanu

uMgqibelo

iCawe

6. Months of the year (Lesson 10)

January

February

March

April

May

June

July

August

September

October

November

December

6. linyanga Zonyaka (Isifundo 10)

uJanyuwari

uFebhruwari

uMatshi

uEpreli

uMeyi

uJuni

uJulayi

uAgasti

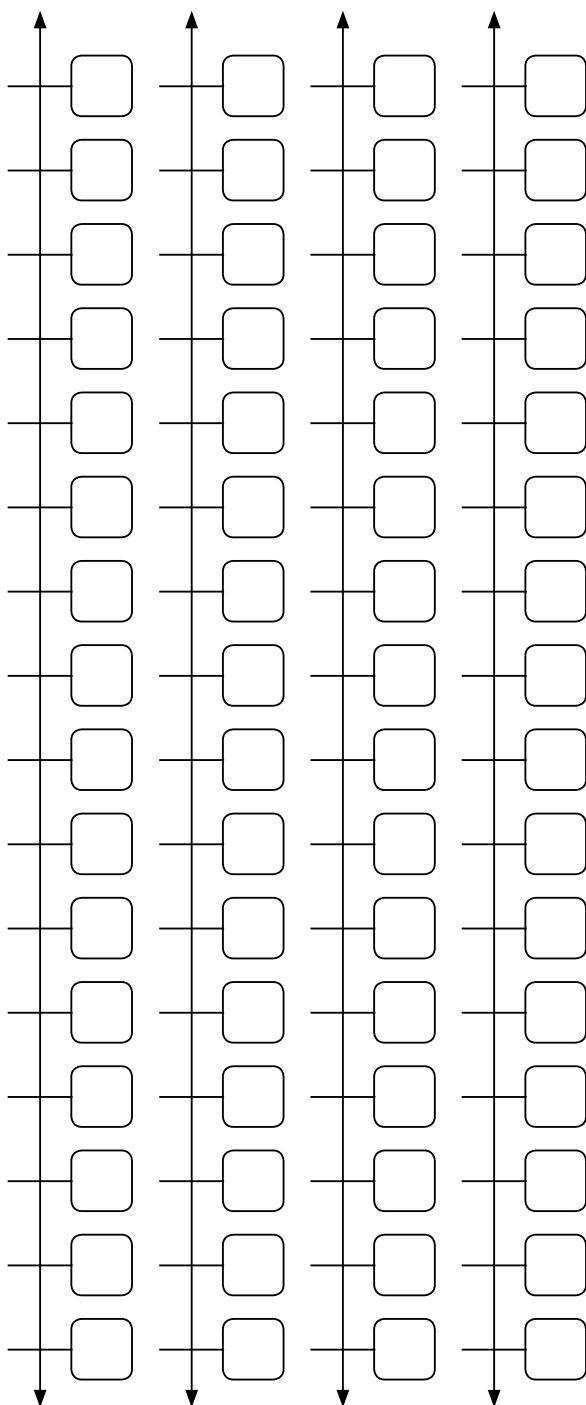
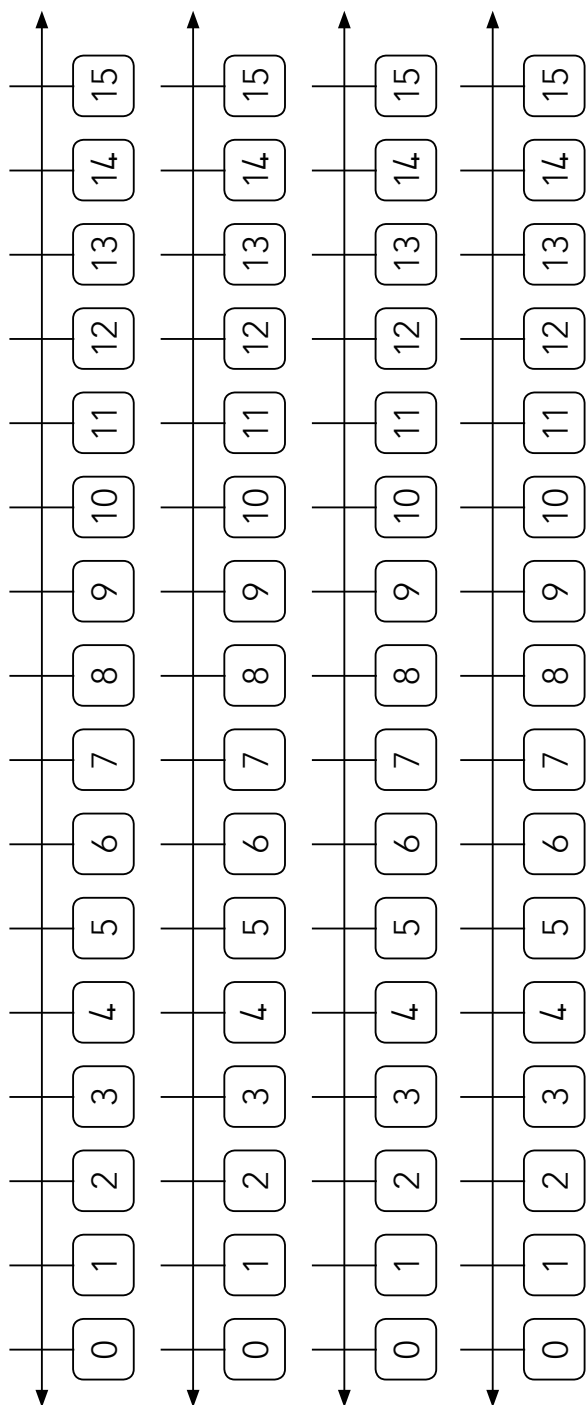
uSeptemba

uOktobha

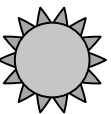

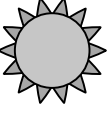

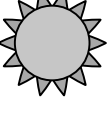

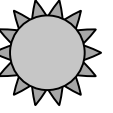



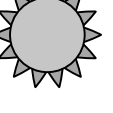

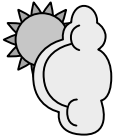
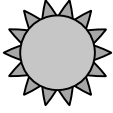
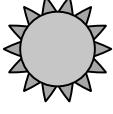
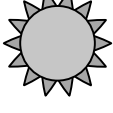

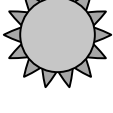

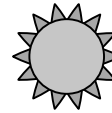


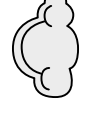

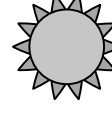


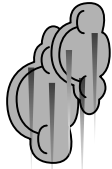

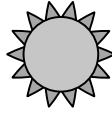

uNovemba

uDisemba

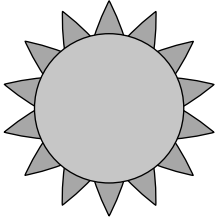

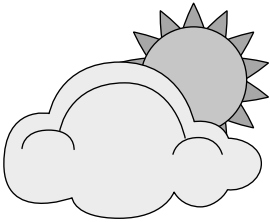
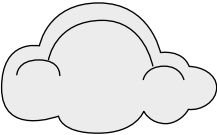
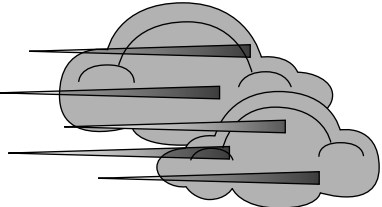
7. Number lines (Lesson 11 and 13)



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. Ujonga oonotsheluzi (Isifundo 40)

icala

umphambili

umva

umphezulu

umzantsi

Mental Mathematics Challenge Cards: Bilingual Version - English / isiXhosa

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.

Ikhadi loku 1 Lomceli-mngeni kwezezibalo

Landelanisa uqale kwencinane ukuya kwenkulu kakhulu

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

Ikhadi lesi 2 Lomceli-mngeni kwezezibalo

Zingaphezulu nge -2 kune

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

Ikhadi lesi 3 Lomceli-mngeni kwezezibalo

Zincinane ngesi-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

Ikhadi lesi 4 Lomceli-mngeni kwezezibalo

Ukuphinda-phinda

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.

Ikhadi loku 1 Lomceli-mngeni kwezezibalo: limpendulo

Landelanisa ukusuka kwencinane ukuya kwenkulu kunazo zonke

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

Ikhadi lesi 2 Lomceli-mngeni kwezezibalo: limpendulo

Zingaphezulu nge-2 kune

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

Ikhadi lesi 3 Lomceli-mngeni kwezezibalo: limpendulo

Kuncinane ngo -1 kune

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

Ikhadi lesi 4 Lomceli-mngeni kwezezibalo: limpendulo

Ukuthabatha

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

Ikhadi lesi 5 Lomceli-mngeni kwezezibalo

Isiqingatha

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

Ikhadi lesi 6 Lomceli-mngeni kwezezibalo

Dibanisa

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

Ikhadi lesi 7 Lomceli-mngeni kwezezibalo

Thabatha

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

Ikhadi lesi 8 Lomceli-mngeni kwezezibalo

Dibanisa uthabathe ukusuka ku 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

**Ikhadi lesi 5 Lomceli-mngeni kwezezibalo:
Iimpindulo**

Isiqingatha

1. 4
2. 6
3. 5
4. 7
5. 1
6. 1 and 1 left over / U-1 nokushiyekileyo u-1
7. 2
8. 2 and 1 left over / U-2 nokushiyekileyo u-1
9. 3
10. 3 and 1 left over / U-3 nokushiyekileyo u-1

Maths Challenge Card 6: Answers

Add

**Ikhadi lesi 6 Lomceli-mngeni kwezezibalo:
Izimpindulo**

Dibanisa

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

**Ikhadi lesi 7 Lomceli-mngeni kwezezibalo:
Iimpindulo**

Thabatha

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

**Ikhadi lesi 8 Lomceli-mngeni kwezezibalo:
Iimpindulo**

Dibanisa kwaye uthabathe 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

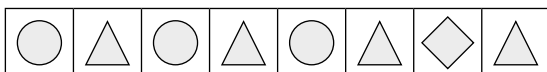
Spot the mistake.

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

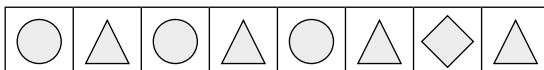
Spot the mistake.

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

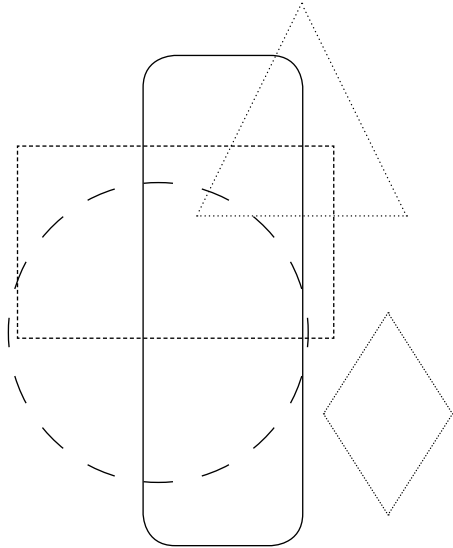
Enrichment Activity 3.5

Shapes

triangles – blue

rectangles – red

circles – yellow



Enrichment Activity 3.6

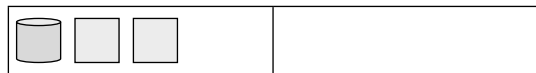
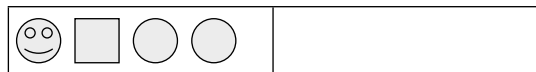
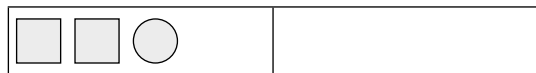
Find the numbers

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

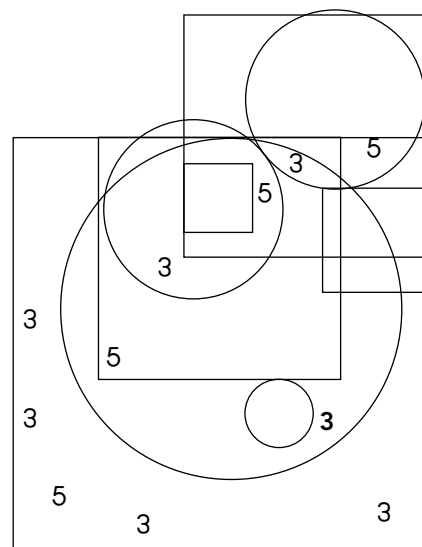
How many are there?

threes _____

circles _____

fives _____

squares _____



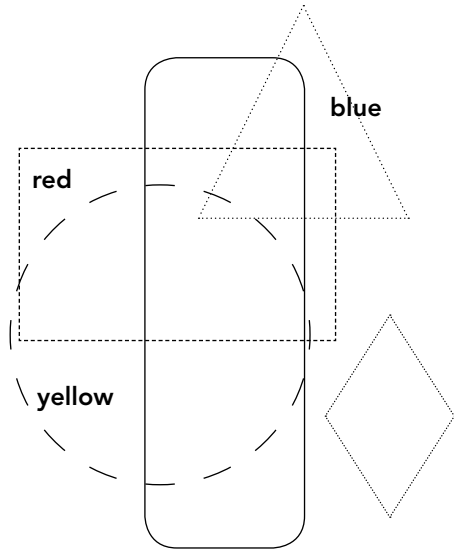
Enrichment Activity 3.5: Answers

Shapes

triangles – blue

rectangles – red

circles – yellow



Enrichment Activity 3.6: Answers

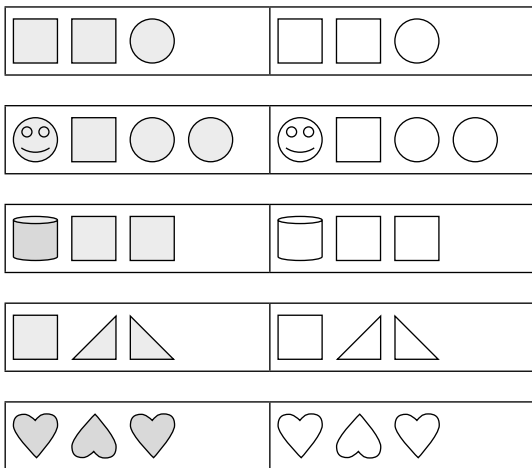
Find the numbers

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.

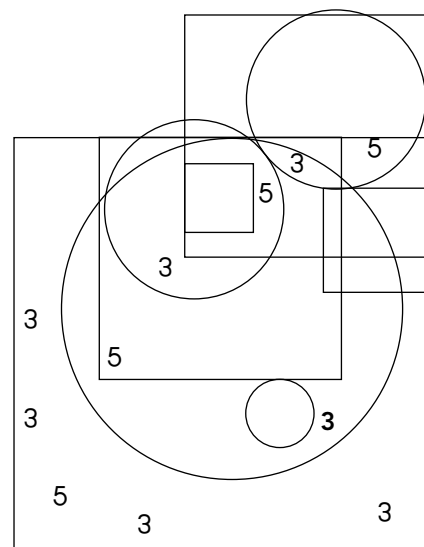


Enrichment Activity 3.8: Answers

Counting

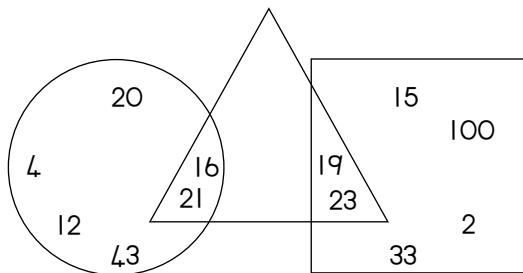
How many are there?

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



Enrichment Activity 3.9

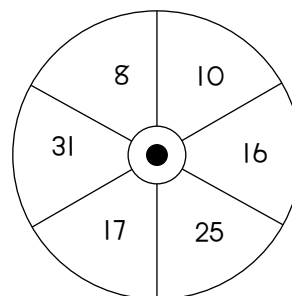
What is my number?



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. Siphó'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

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

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

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

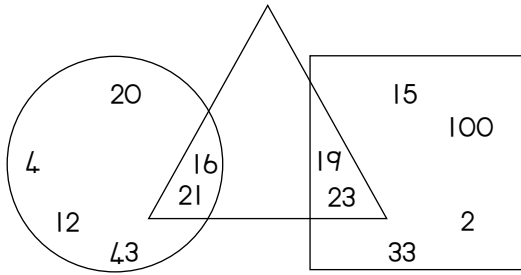
$$\text{_____} + 7 = 12$$

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

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

Enrichment Activity 3.9: Answers

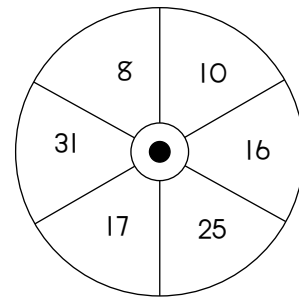
What is my number?



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

$$11 + 1 = 12$$

$$9 + 3 = 12$$

$$7 + 5 = 12$$

$$5 + 7 = 12$$

$$3 + 9 = 12$$

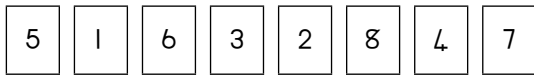
$$0 + 12 = 12$$

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 (x) if the answer is wrong.

$4 + 13 = 20$

$5 + 5 + 5 = 15$

$6 + 7 + 3 = 17$

$20 - 5 - 6 = 8$

$17 - 5 - 3 = 9$

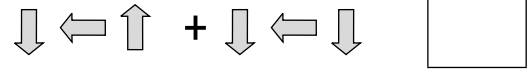
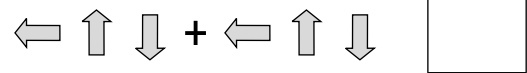
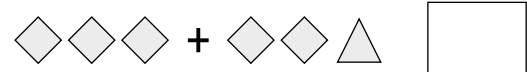
$18 - 10 - 3 = 9$

Enrichment Activity 3.18

Some more true or false

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

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



Enrichment Activity 3.19

How many can you find?

When you count in 2s from 2 to 20?

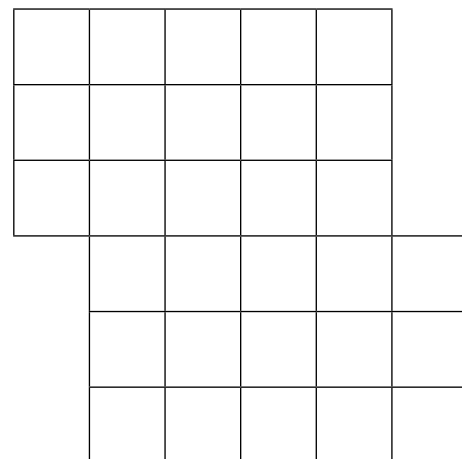
When you count in 5s from 5 to 50?

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 (x) if the answer is wrong.

$4 + 13 = 20$

$5 + 5 + 5 = 15$

$6 + 7 + 3 = 17$

$20 - 5 - 6 = 8$

$17 - 5 - 3 = 9$

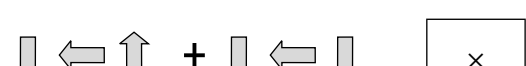
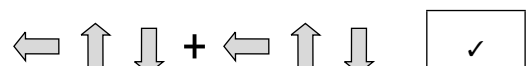
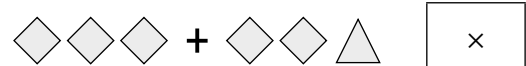
$18 - 10 - 3 = 9$

Enrichment Activity 3.18: Answers

Some more true or false

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

Make a cross (x) 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?

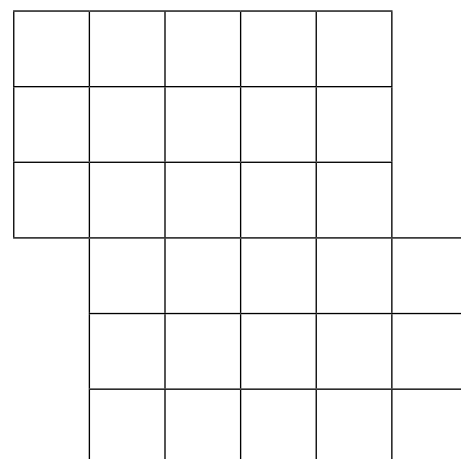
21

When you count in tens from 0 – 100?

10

Enrichment Activity 3.20: Answers

How many small squares?

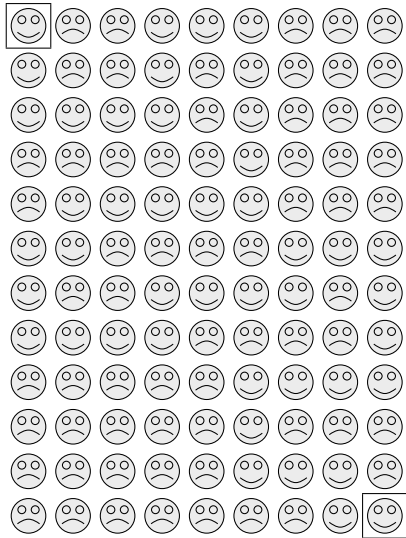


27 squares

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?

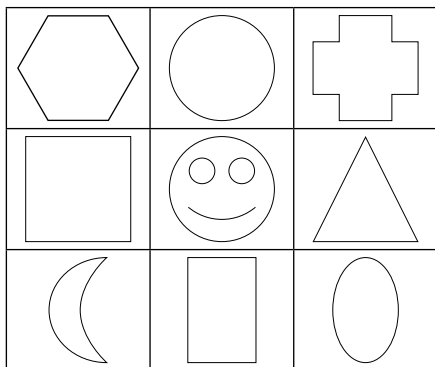
Colour it in the letter grid.

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?

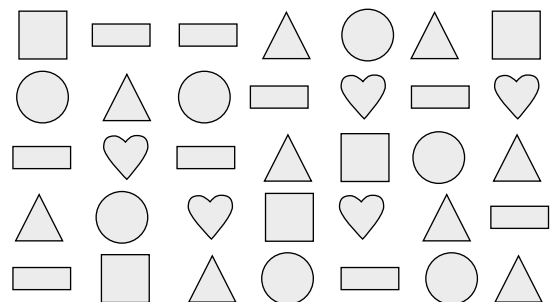


Colour the shapes:

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

Enrichment Activity 3.24

Find the shapes



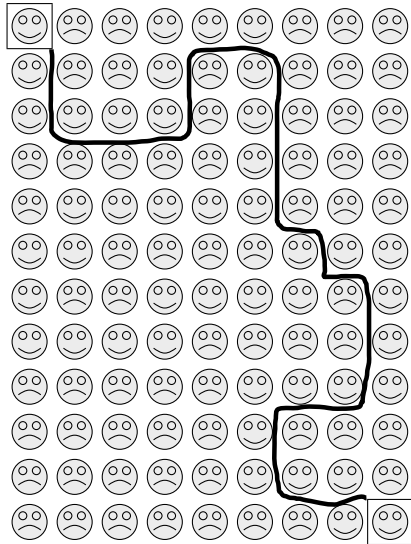
How many?:

- 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

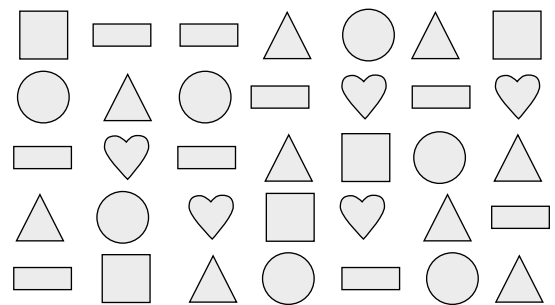
Who are my friends?

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:

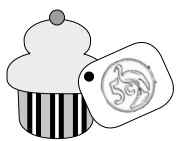
1. 	2. 	3. 	4. 

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.

Box 1: Top face 8, front face 5, right face 3. Equation: $5 + 3 = 8$

Box 2: Top face 12, front face 0, right face 12. Equation: $12 + 0 = 12$

Box 3: Top face 6, front face 1, right face 5, bottom face 12. Equation: $5 + 1 + 6 = 12$

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.

Cylinder 1: 2 triangles (1 each), 1 diamond (10), 1 rectangle (4), 1 circle (3). Value: 23

Cylinder 2: 1 diamond (10), 1 rectangle (4), 1 triangle (1), 1 circle (3). Value: 31

Cylinder 3: 1 rectangle (4), 1 diamond (10), 1 triangle (1), 1 circle (3). Value: 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: isiXhosa 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 cardboard laminated 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.

Imisebenzi yophuculo 3.1

Ndingubani?

Ndingaphezulu ngesi 4 kune 3
ndikwangaphantsi kanye kune 8.

Ndisecaleni kwenombolo ye10.
Ndineshumi eli1 kunye nomvo

Imisebenzi yophuculo 3.2

Ngubani onemali eninzi?

- UBusi une: unengqekembe ze10c ezimbini, ingqekembe ze 5c kunye nengqekembe ye 50c.
- UPete une: ngqekembe ye R1, ingqekembe ezimbini ze 5c kunye nengqekembe enye ye 20c.
- UNicole une: ngqekembe ze 10c ezintlanu, ingqekembe ze 20c ezintlanu kunye nengqekembe ze 5c ezimbini.

Imisebenzi yophuculo 3.3

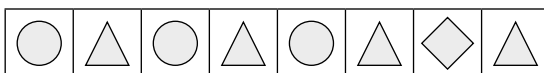
Qaphela impazamo.

Sebenzisa ipensele yakho ukufaka umbala kumanani kunye nemilo ezingezizo.

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

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

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



Imisebenzi yophuculo 3.4

Fumana iinombolo.

Fumana kwaye ufakele umbala kuzo zonke ibhloko apho inombolo ezimbini ezicaleni linye, okanye ngaphantsi kwelinye, ezizakunika i-10.

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

Imisebenzi yophuculo 3.1: Iimpendulo

Ndingubani?

Ndingaphezulu ngesi 4 kune 3
ndikwangaphantsi kanye kune 8.

7

Ndisecaleni kwenombolo ye10.

11

Imisebenzi yophuculo 3.2: Iimpendulo

Ngubani onemali eninzi?

- UBusi une: ngqekembe ze10c, ngqekembe ze 5c ezintathu kunye nengqekembe ye 50c.
- UPete une: ngqekembe enye ye R1, iingqekembe ze 5c ezimbini kunye nengqekembe 20c enye.
- UNicole une: ngqekembe ze 10c ezintlanu, iingqekembe ze 20c ezintlanu kunye nengqekembe ze 5c ezimbini coins

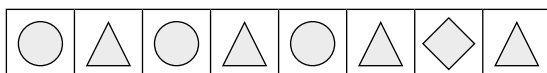
Imisebenzi yophuculo 3.3: Iimpendulo

Qaphela iimpazamo.

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

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

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



Imisebenzi yophuculo 3.4: Iimpendulo

Fumana iinombolo.

Fumana kwaye ufakele umbala kuzo zonke ibhloko apho inombolo ezimbini ezicaleni linye, okanye ngaphantsi kwelinye, ezizakunika i-10

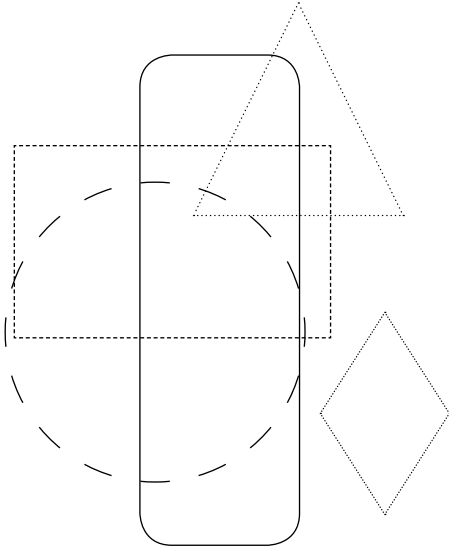
1	9	12	7
5	4	6	3
5	10	7	9
3	0	1	10
8	2	7	3

Imisebenzi yophuculo 3.5

oonxantathu – abamzuba

buxande – obomvu

izangqa - lubhelu



Imisebenzi yophuculo 3.6

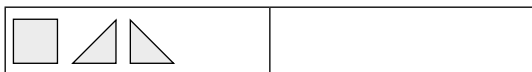
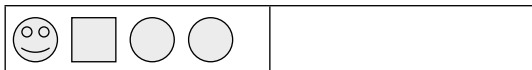
Fumana iinombolo

Fumana kwaye ufakele umbala kuzo zonke ibhloko apho inombolo ezimbini ezicaleni linye, okanye ngaphantsi kwelinye, ezizakunika i-15.

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

Imisebenzi yophuculo 3.7

Yongeza kwakho iqela lemilo ukwandisa ipateni.



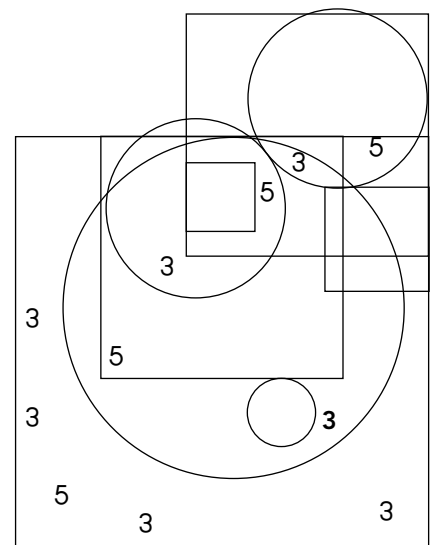
Imisebenzi yophuculo 3.8

Ukubala

Zingaphi

oonontathu _____ izangqa _____

oonontlanu _____ izikwere _____



Imisebenzi yophuculo 3.5: limpendulo

limilo

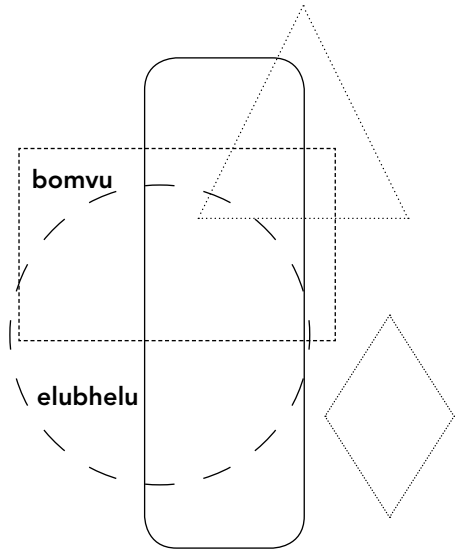
Izimo

oonxantathu – abamzuba

ezibuxande – zibomvu

izangqa – ezilubhelu

emzuba



Imisebenzi yophuculo 3.6 : limpendulo

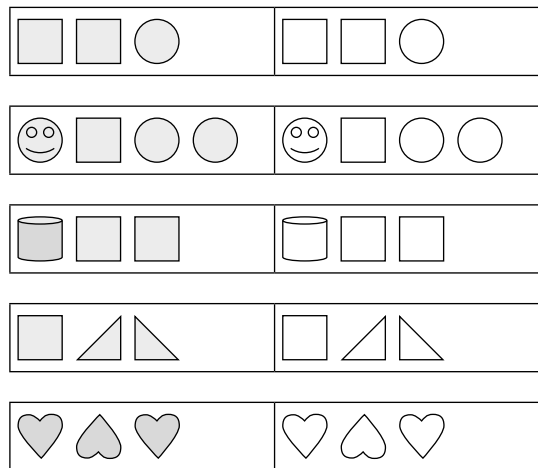
Fumana inombolo

Fumana kwaye ufakele umbala kuzo zonke ibhloko apho inombolo ezimbini ezicaleni linye, okanye ngaphantsi kwelinye, ezizakunika i-15.

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

Imisebenzi yophuculo 3.7: limpendulo

Yongeza kwakho iqela lemilo ukwandisa ipateni.



Imisebenzi yophuculo 3.8: limpendulo

Ukubala

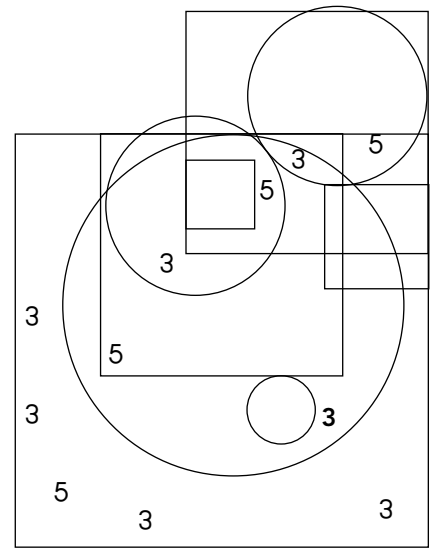
Zingaphi?

oonontathu **7**

izangqa **4**

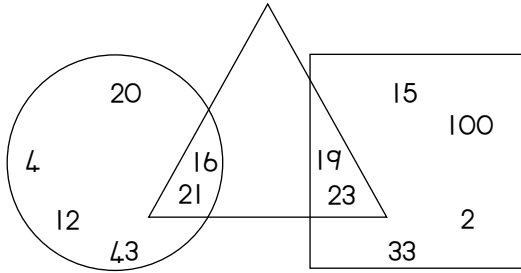
oonontlanu **4**

izikwere **4**



Imisebenzi yophuculo 3.9

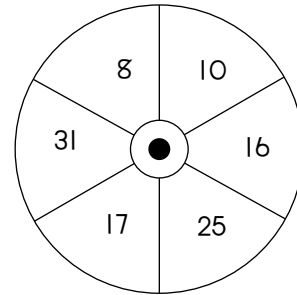
Leliphi inani lam?



1. Eli nani likwisangqa. Ingaphezulu ngo 1kwi 11. _____
2. Eli nani likwisikwere. Ili13 + 2. _____
3. Eli nani likunxantathu. Ilinani eliza eliphambi ko 20. _____

Imisebenzi yophuculo 3.10

Idathi yokudlala



1. Leliphi inqaku elikhulu xa usebenzisa idathi e 1? _____
2. Inqaku likaBen li 18. Ngawaphi amanani amabini awafumeneyo? _____, _____.
3. Inqaku likaSipho ngu 20. Idathi ezimbini zibethe inani elinye. Leyiphi inani inani alifumeneyo? _____

Imisebenzi yophuculo 3.11

Zingaphi izikwere?

A				
B				
C				
D				

Zingaphi izikwere ezilapha phakathi :

Umqolo A? _____

Umqolo B? _____

Umqolo D? _____

Dibanisa inani lebhloko ezikwimiqolo u C no B _____

Imisebenzi yophuculo 3.12

Inani i- 12

_____ + 1 = 12

_____ + 3 = 12

_____ + 5 = 12

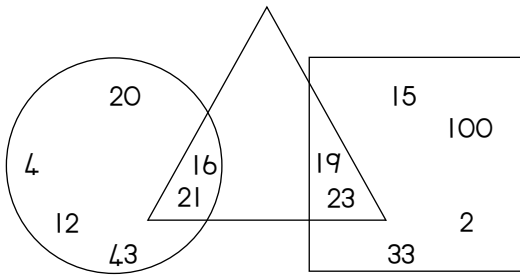
_____ + 7 = 12

_____ + 9 = 12

_____ + 12 = 12

Imisebenzi yophuculo 3.9: Iimpendulo

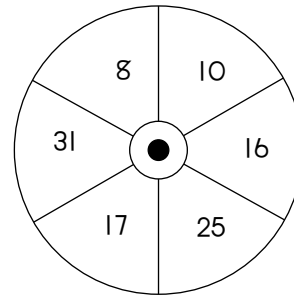
Leliphi inani lam?



1. Eli nani likwisangqa. Iingaphezulu ngo 1kwi 11. **12**
2. Eli nani likwisikwere. Lili $13 + 2$. **15**
3. Eli nani likunxantathu. Ilinani eliza phambi kwe 20. **19**

Imisebenzi yophuculo 3.10: Iimpendulo

Idathi yokudlala



1. Leliphi inqaku elikhulu xa usebenzisa idathi? **31**
2. Inqaku likaBen li 18. Ngawaphi amanani amabini awafumeneyo? **8 kunye 10.**
3. Inqaku likaSipho ngu 20. Iidathi ezimbini zibethe inani elinye. Leliphi inani alifumeneyo? **10**

Imisebenzi yophuculo 3.11 Iimpendulo

Zingaphi izikwere?

A				
B				
C				
D				

Zingaphi izikwere ezilapha phakathi:

Umqolo A? **4**

Umqolo B? **4**

Umqolo D? **4**

Dibanisa inani lebhloko ezikwimiqolo u C no B **8**

Umsebenzi Wokubakhulisa 3.12: Iimpendulo

Inombolo 12

$$11 + 1 = 12$$

$$9 + 3 = 12$$

$$7 + 5 = 12$$

$$5 + 7 = 12$$

$$3 + 9 = 12$$

$$0 + 12 = 12$$

Imisebenzi yophuculo 3.13

Imidlalo kanomyayi



Ngabaphi oonobumba obabonayo xa ujonge la manani?

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

Umsebenzi Wokubakhulisa 3.14

Lingubani igama?



Jomga la maqhosa kanomyayi ube sele uxele umbala wala manani:

3 2 5 _____

Sebenzisa amehlo wakho:

4 2 2 _____

Igama lenkwenkwe

6 3 2 5 _____

Imisebenzi yophuculo 3.15

Dibanisa



Dibanisa amanani akwiqhosha elinye naba nobumba balandelayo:

D + F + W = ____

X + E + R = ____

F + F + Z = ____

C + F + R = ____

Umsebenzi Wokubakhulisa 3.16

Okunye ukuhlanganisa okwengeziwe



Dibanisa amanani enza igama

RED. ____

Dibanisa amanani enza igama

SEE. ____

Dibanisa amanani enza igama

FRED. ____

Imisebenzi yophuculo 3.13: limpendulo

Imidlalo kanomyayi



Ngabaphi oonobumba obabonayo xa ujonge la manani?

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

Imisebenzi yophuculo 3.14: limpendulo

Yintoni ihlabathi?



Jonga la maqhosha kanomyayi ube sele uxele umbala wala manani:

3 2 5 **RED**

Sebenzisa amehlo wakho?

4 2 2 **SEE**

Igama lenkwenkwe

6 3 2 5 **FRED**

Imisebenzi yophuculo 3.15: limpendulo

Dibanisa



Dibanisa amanani akwiqhosha elinye naba nobumba balandelayo:

$$D + F + W = 12$$

$$X + E + R = 13$$

$$F + F + Z = 19$$

$$C + F + R = 18$$

Imisebenzi yophuculo 3.16: limpendulo

Ukudibanisa kwakho



Dibanisa amanani enza igama. _10_

Dibanisa amanani enza igama. _8_

Dibanisa amanani enza igama Fred. _16_

Imisebenzi yophuculo 3.17:

Yinyani or Bubuxoki?

Phawula ngolu phawu (✓) ukuba impendulo ichanekile.

Fakela u (x) ukuba impendulo ayiyiyo

$4 + 13 = 20$

$5 + 5 + 5 = 15$

$6 + 7 + 3 = 17$

$20 - 5 - 6 = 8$

$17 - 5 - 3 = 9$

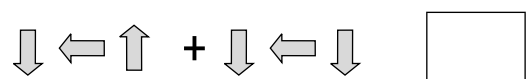
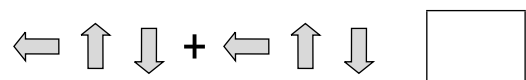
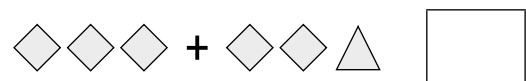
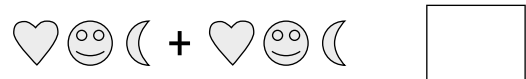
$18 - 10 - 3 = 9$

Imisebenzi yophuculo 3.18

Okunye ngeNyani okanye ngobuxoki

Phawula ngolu phawu (✓) ukuba impendulo ichanekile.

Fakela u (x) ukuba impendulo ayiyiyo



Imisebenzi yophuculo 3.19

Bangaphi ongabafumana?

Xa ubala ngonoo 2 ukusuka 2 ukuya 20?

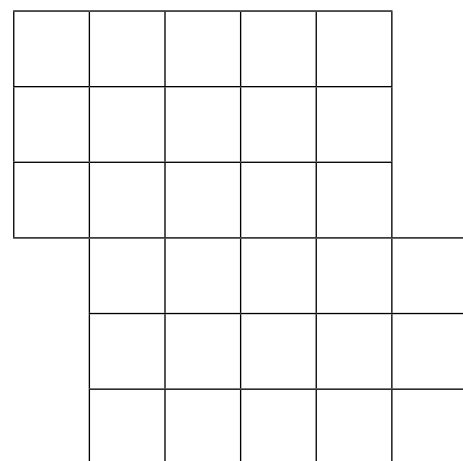
Xa ubala ngonoo 5 ukusuka 5 ukuya 50?

Xa ubala ngonoo 1 ukusuka 11 ukuya 31?

Xa ubala ngamashumi ukusuka 0 – 100?

Imisebenzi yophuculo 3.20

Zingaphi izikwere ezincinci?



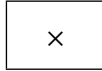
Imisebenzi yophuculo 3.17: Iimpendulo

Yinyani or Bubuxoki?

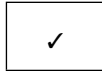
Phawula ngolu phawu (✓) ukuba impendulo ichanekile.

Fakela u (x).ukuba impendulo ayiyiyo

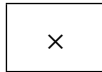
$4 + 13 = 20$



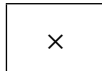
$5 + 5 + 5 = 15$



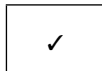
$6 + 7 + 3 = 17$



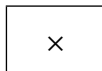
$20 - 5 - 6 = 8$



$17 - 5 - 3 = 9$



$18 - 10 - 3 = 9$

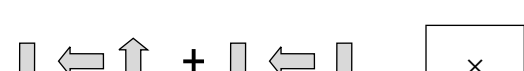
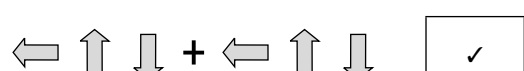
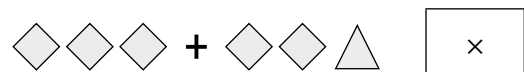


Imisebenzi yophuculo 3.18: Iimpendulo

Okunye ngeNyani okanye ngobuxoki

Phawula ngolu phawu (✓) ukuba impendulo ichanekile.

Fakela u (x).ukuba impendulo ayiyiyo



Imisebenzi yophuculo 3.19: Iimpendulo

Bangaphi ongabafumana ?

Xa ubala ngonoo 2 ukusuka 2 ukuya 20? 10

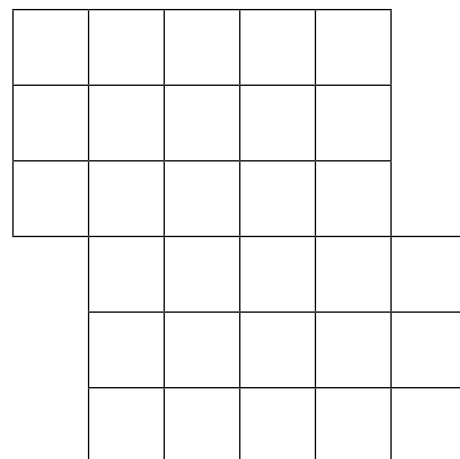
Xa ubala ngonoo 5 ukusuka 5 ukuya 50? 10

Xa ubala ngonoo 1 ukusuka 11 ukuya ku 31? 21

Xa ubala ngamashumi ukusuka 0 – 100? 10

Imisebenzi yophuculo 3.20: Iimpendulo

Zingaphi izikwere ezincinci?

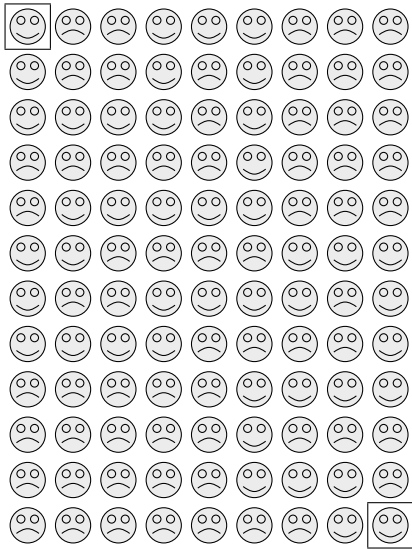


27 - izikwere

Imisebenzi yophuculo 3.21

Fumana indlela yakho

Kuqala kubuso bokuqala kwaye ufumane indlela eya kubuso bokugqibela ngokuthi ugqithe kuphela ubuso obonwabileyo. Ungadluli kubuso obunxubileyo.



Imisebenzi yophuculo 3.22

Liphi igama manani?

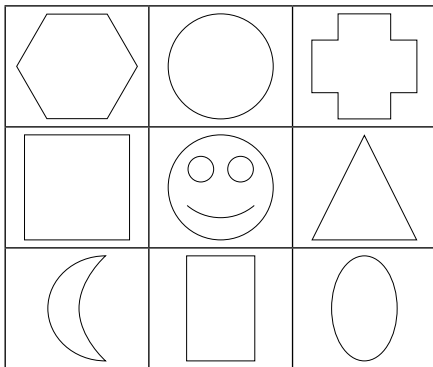
Fakela umbala kule gridi yoonobumba.

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

Imisebenzi yophuculo 3.23

Ngoobani itshomi zam?



Fakela umbala kwimilo:

Sebenzisa umbala o orenji.

Unxantathu abe pinki.

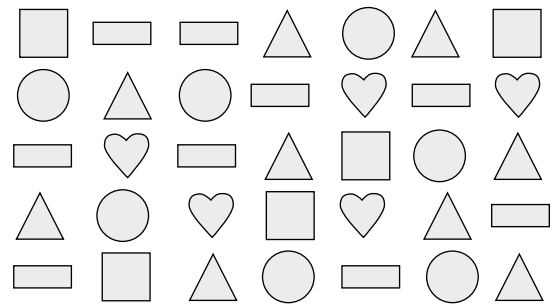
Izangqa zibe mzuba.

Izibuxande zibe luhlaza.

Ubuso bubelubhelu.

Imisebenzi yophuculo 3.24

Fumana iimilo



Zingaphi?:

oonxantathu: _____

ezibuxande: _____

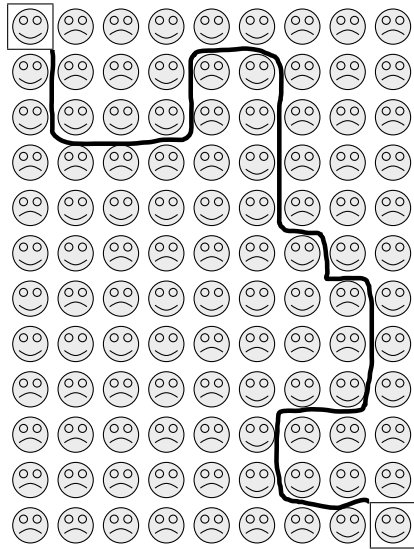
izangqa: _____

izikwere: _____

Imisebenzi yophuculo 3.21: Iimpendulo

Fumana indlela yakho:

Kuqala kubuso bokuqala kwaye ufumane indlela eya kubuso bokugqibela ngokuthi ugqithe kuphela ubuso obonwabileyo. Ungadluli kubuso obunxubileyo.



Imisebenzi yophuculo 3.22: Iimpendulo

Liphi igama manani

Fakela umbala kule gridi yoonobumba.

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

Imisebenzi yophuculo 3.23: Iimpendulo

Ngoobani abahlobo bam?

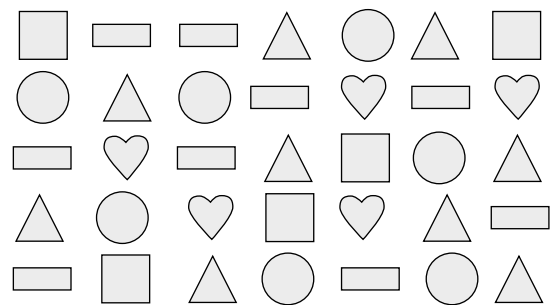
		owolintshi
	ophuzi	obomvana
	oluhlaza okotshani	

Fakela imibala kwiimilo. Khangela iimpendulo nomhlobo wakho.

- Umnqamlezo ube-orenji.
- Unxantathu abepinki.
- Isangqa sibe luhlaza siv.
- Isangqa sibeluhlaza sibhakabhaka.
- Ubuso bubemthubi.

Umsebenzi Wokubakhulisa 3.24: Iimpendulo

Thola izakiwo



Zingaphi ?:

- oonxantathu: 9
- ezibuxande : 9
- izangqa : 7
- izikwere: 5

Imisebenzi yophuculo 3.25





Gqibezela i- Sudoku

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





Imisebenzi yophuculo 3.26

Imali – Landelelanisa





Khetha ingqekembe enxabiso elikhulu:

1. 	2. 	3. 	4. 

Khetha ingqekembe enxabiso elincinci:

1. 	2. 	3. 	4. 

Khetha iingqekembe ozakuzisebenzisa xa ukuthenga ilekese ngeenxabiso eliyi 35c:

1. 	2. 	3. 	4. 

Imisebenzi yophuculo 3.27

Ndingathenga ntoni?

Unama R2, 00. Ungazithenga ikeyiki ezintathu?



Unama R5, 00. Ungazithenga ibhola ezintathu?



Imisebenzi yophuculo 3.28

Gqibezela iSudoku

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

Imisebenzi yophuculo 3.25: limpendulo





Gqibezela i- Sudoku

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





Imisebenzi yophuculo 3.26: limpendulo

Imali – Landelelanisa ingqekembe





Khetha ingqekembe enxabiso elikhulu

1. 	2. 	3. 	4. 

Khetha ingqekembe enxabiso elincinci

1. 	2. 	3. 	4. 

Khetha iingqekembe ozakuzisebenzisa xa ukuthenga ilekese ngeenxabiso eliyi 35c

1. 	2. 	3. 	4. 

Imisebenzi yophuculo 3.27: limpendulo

Ndingathenga ntoni?

Unama R2, 00. Ungazithenga ikeyiki ezintathu?



ewe

Unama R5, 00. Ungazithenga ibhola ezintathu?



hayi

Imisebenzi yophuculo 3.28: limpendulo

Gqibezela i- Sudoku

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

Imisebenzi yophuculo 3.29

Izibalo ezixutyiweyo

Sebenzisa amanani akwiibhokisi ukwenza izibalo.

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

Imisebenzi yophuculo 3.30

Amanani amathathu

Bhala amanani amathathu phakathi kwibhloko ayakuthi xa uwadibanisa enze inani elikwibhloko yokugqibela

			15
			19
			26
			21

Imisebenzi yophuculo 3.31

Ixabiso

Lingaba liyintoni ixabiso lesilinda nganye ukuba iimilo ebuxande zi 4, izangqa zi 3, unxantathu m1 kunye needayimani ezi 10? Bhala impendulo kwibhokisi.

\square
 \square
 \square

Imisebenzi yophuculo 3.32

Faka umbala ukubonakalisa impendulo

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

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

Imisebenzi yophuculo 3.29: Iimpendulo

Izibalo ezixutyiweyo

Use the numbers in the boxes to make a sum.

Box 1: Top face 8, front face 5, bottom face 3. Equation: $5 + 3 = 8$

Box 2: Top face 12, front face 0, bottom face 12. Equation: $12 + 0 = 12$

Box 3: Top face 6, front face 1, bottom face 12, right face 5. Equation: $5 + 1 + 6 = 12$

Imisebenzi yophuculo 3.30: Iimpendulo

Amanani amathathu

Bhala amanani amathathu phakathi kwibhloko ayakuthi xa uwadibanisa enze inani elikwibhloko yokugqibela

(iimpendulo ezininzi- umz.)

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

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

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

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

Imisebenzi yophuculo 3.31: Iimpendulo

Ixabiso Lingaba liyintoni ixabiso lesilinda nganye ukuba iimilo ebuxande zi 4, izangqa zi 3, unxantathu m1 kunye needayimani ezi 10? Bhala impendulo kwibhokisi.

Cylinder 1: 2 triangles, 1 diamond, 1 square, 1 circle. Value: 23

Cylinder 2: 1 diamond, 1 square, 1 triangle, 2 circles. Value: 31

Cylinder 3: 1 square, 1 diamond, 1 circle, 2 triangles, 1 circle. Value: 22

Imisebenzi yophuculo 3.32: Iimpendulo

Faka umbala ukubonakalisa impendulo

Fakela umbala kumanani ayakuthi xa edityaniswa enze inani lokuqala kumqolo webhloko

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
----	---	---	---	---	---	---	---