

**GRADE 2**

**TERM 4 2019**

**MATHEMATICS**

**ENGLISH / ISIXHOSA**

**RESOURCE PACK**

# PRINTABLE RESOURCES

The following printable resources are included in this section:

1. Resource sheets
2. Mental mathematics challenge cards: Bilingual version
3. Enrichment activity cards: English version
4. Enrichment activity cards: isiXhosa version

## Resource Sheets

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

1. Base ten blocks (Several lessons – reprint from Term 1)
2. Flard cards (Several lessons – reprint from Term 1)
3. Number name cards 90–95 (Lesson 2)
4. Number name cards 96–100 (Lesson 2)
5. Ordinal number cards 1–10 (Lesson 5)
6. Original number cards 11–20 (Lesson 5)
7. Money problem card/Ikhadi lezibalo zemali (Lesson/Isifundo 14)
8. Fractions circles and fraction squares (Lesson 28)
9. Fractions table (Lesson 30)
10. Geometric patterns (Lesson 38)

## ***Resources for each day of teaching***

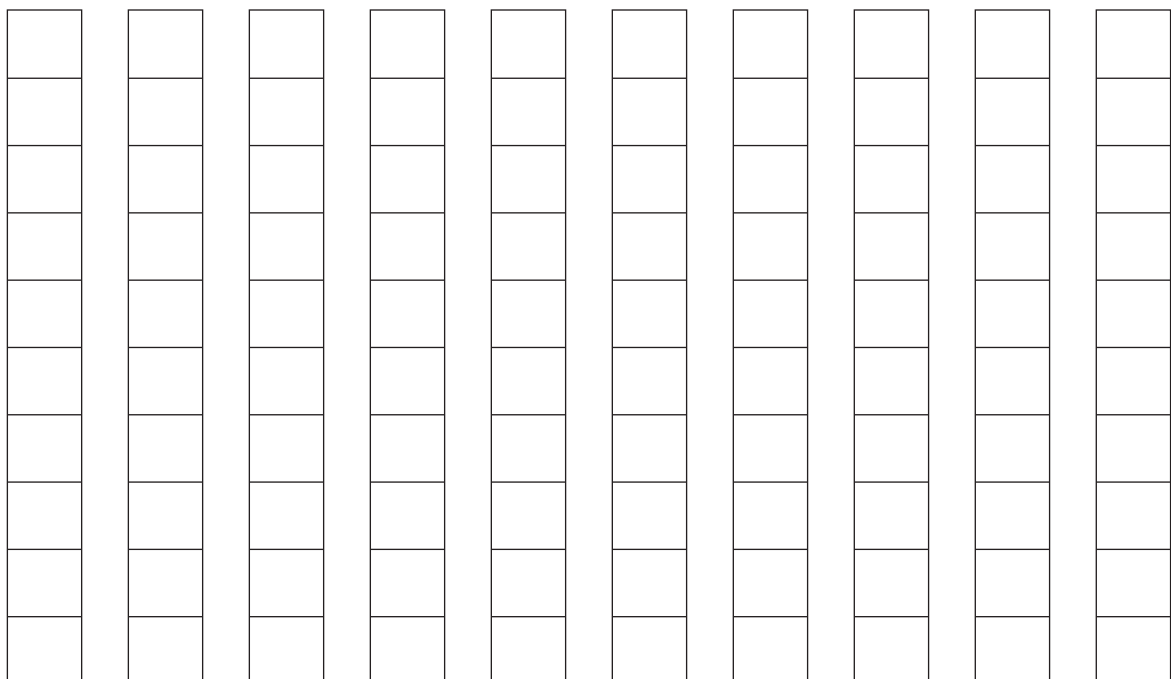
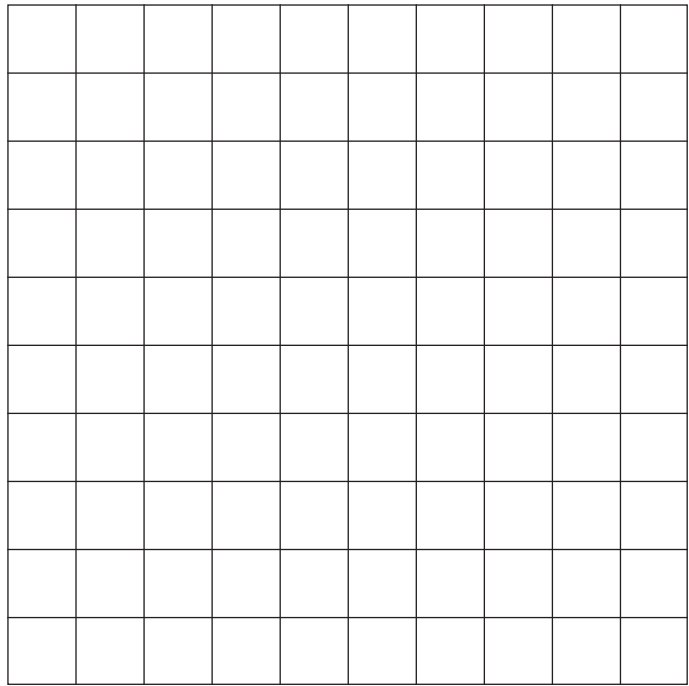
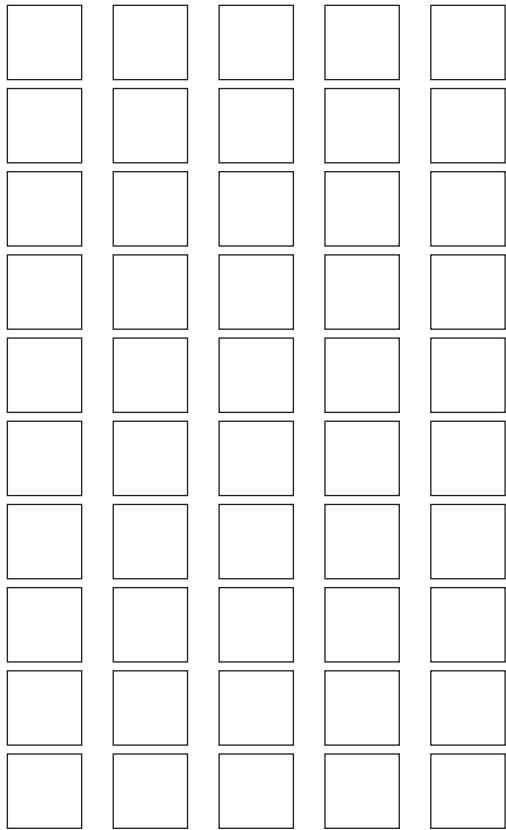
There are also other resources such as informal resources (old magazines, pieces of string, scrap paper, etc.) that you may need in certain lessons. You should have a careful look at the list of resources needed for each lesson which is given in the lesson plans each day to see which resources are needed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

# 1. Base ten blocks (Several lessons)

To make the base ten block kit you need to paste a copy of this sheet onto cardboard and then cut out all of the blocks.

You could also use grid paper and mark out the blocks and cut them out.

- The small blocks are used to represent unit/ones.
- The long blocks are used to represent tens.
- The big flat blocks are used to represent hundreds.



## 2. Flard cards (Several lessons)

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

3. Number name cards 90–95 (Lesson 2)

90	ninety
91	ninety one
92	ninety two
93	ninety three
94	ninety four
95	ninety five

3. Amakhadi amanani 90–95 (Isifundo 2)

90	Amashumi alithoba
91	Amashumi alithoba ananye
92	Amashumi alithoba anam- bini
93	Amashumi alithoba anan- tathu
94	Amashumi alithoba anane
95	Amashumi alithoba anant- lanu

4. Number name cards 96–100 (Lesson 2)

96

ninety six

97

ninety seven

98

ninety eight

99

ninety nine

100

one hundred

4. Amakhadi amanani 96–100 (Lesson 2)

96	Amashumi alithoba anantandathu
97	Amashumi alithoba anesix- henxe
98	Amashumi alithoba anesib- hozo
99	Amashumi alithoba anethoba
100	
ikhulu	



5. Ordinal number cards 1–10 (Lesson 5)

first		second	
third		fourth	
fifth		sixth	
seventh		eighth	
ninth		tenth	
1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>
9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
13 <sup>th</sup>	14 <sup>th</sup>	15 <sup>th</sup>	16 <sup>th</sup>
17 <sup>th</sup>	18 <sup>th</sup>	19 <sup>th</sup>	20 <sup>th</sup>

5. Original number cards 1–10 (Lesson 5)

eyokuqala		eyesibini	
eyesithathu		eyesine	
eyesihlanu		eyesithandathu	
eyesixhenxe		eyesibhozo	
eyesithoba		eyeshumi	
1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>
9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
13 <sup>th</sup>	14 <sup>th</sup>	15 <sup>th</sup>	16 <sup>th</sup>
17 <sup>th</sup>	18 <sup>th</sup>	19 <sup>th</sup>	20 <sup>th</sup>

6. Ordinal number cards 11–20 (Lesson 5)

eyeshumi elinanye

eyeshumi elinesibini

eyeshumi elinesithathu

eyeshumi elinesine

eyeshumi elinesihlanu

eyeshumi elinesithandathu

eyeshumi elinesixhenxe

eyeshumi elinesibhozo

eyeshumi elinesithoba

eyamashumi amabini

6. Ordinal number cards 11–20 (Lesson 5)

eleventh

twelfth

thirteenth

fourteenth

fifteenth

sixteenth

seventeenth

eighteenth

nineteenth

twentieth

## 7. Amakhadi wengxaki zemali (Isifundo 14)

### *Ingxaki zemali ngamagama*

1. Ndinama R30,00. Ndiya evenkileni ukuyokuthenga ubisi nesonka ngama R28,50. Ndizakufumana malini itshintshi?
2. Ndifuna ukuthenga umnqwazi ngama R16,25 kunye nepere yezihlangu ngama R78,90. Kufuneka ndibe namalini ukuze ndikwazi ukuthenga ezi zinto?
3. Ipakethi yetshiphusi li R 1,75.
  - a. Zizakubiza malini ipakethi zetshiphusi ezi 5?
  - b. Ndingathenga ipakethi ezingaphi kuma R12,00?

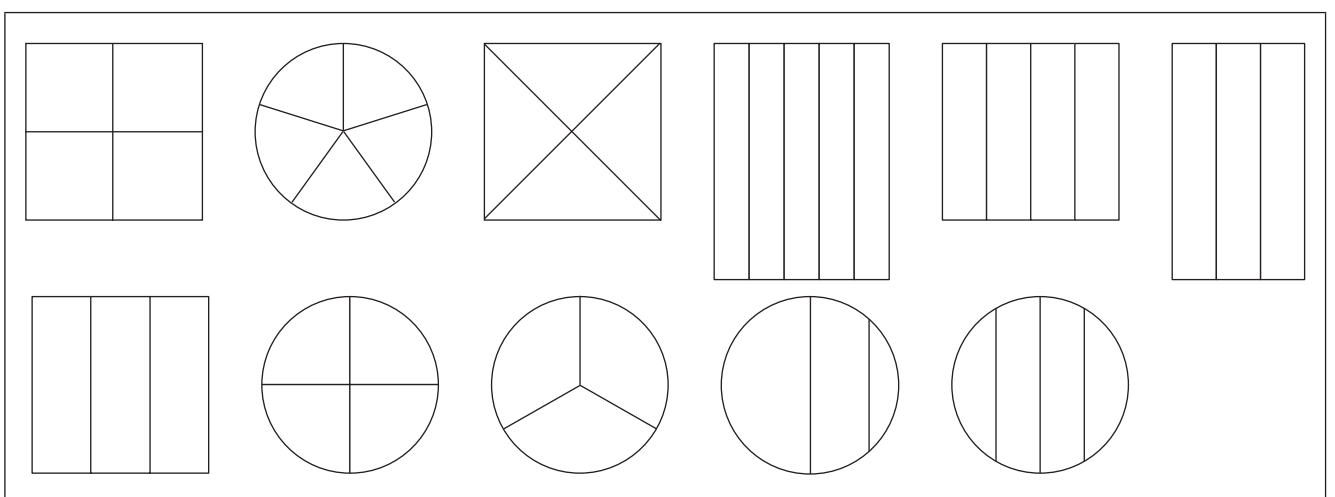
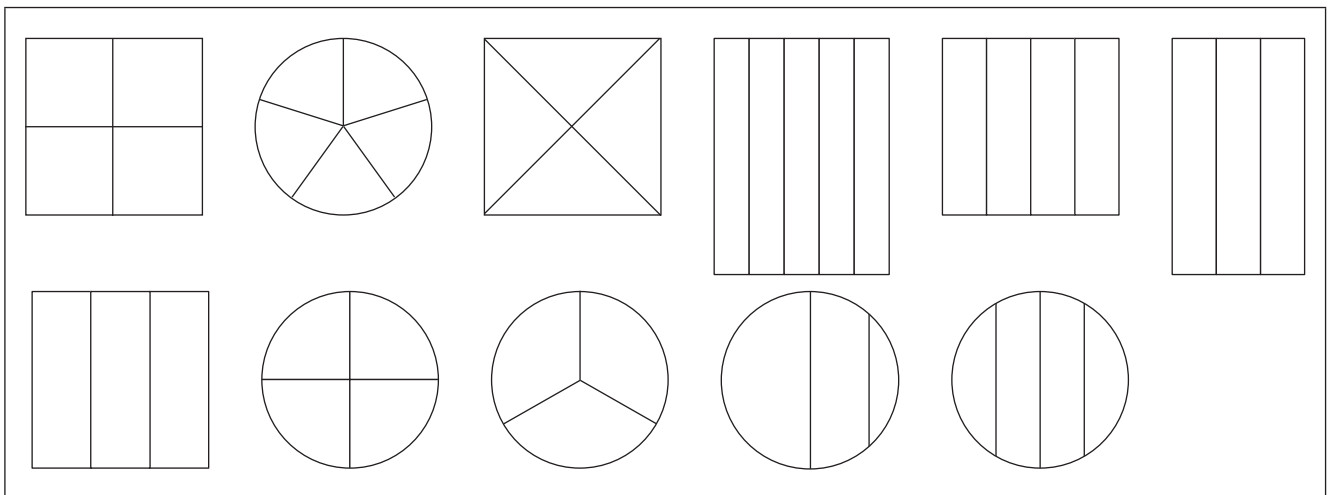
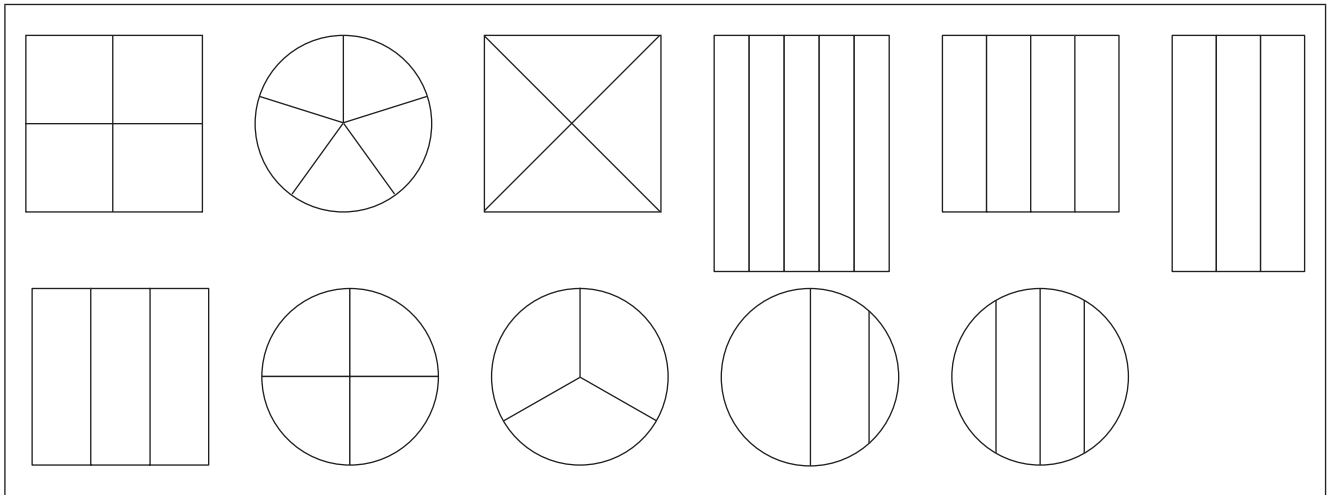
### Ingxaki zemali ngamagama

1. Ndinama R30,00. Ndiya evenkileni ukuyokuthenga ubisi nesonka ngama R28,50. Ndizakufumana malini itshintshi?
2. Ndifuna ukuthenga umnqwazi ngama R16,25 kunye nepere yezihlangu ngama R78,90. Kufuneka ndibe namalini ukuze ndikwazi ukuthenga ezi zinto?
3. Ipakethi yetshiphusi li R 1,75.
  - a. Zizakubiza malini ipakethi zetshiphusi ezi 5?
  - b. Ndingathenga ipakethi ezingaphi kuma R12,00?

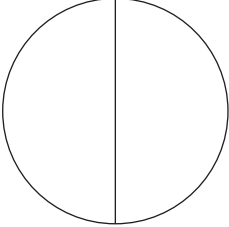
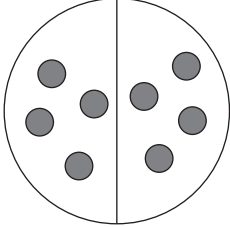
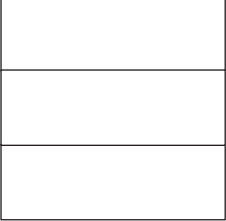
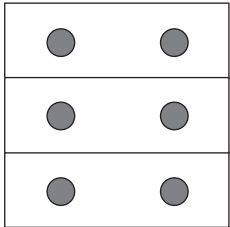
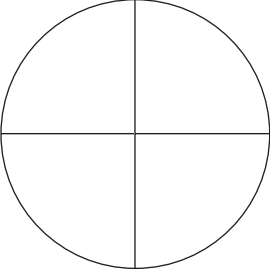
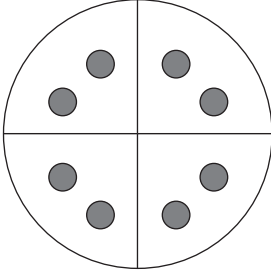
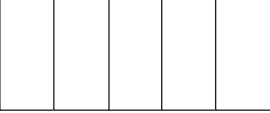
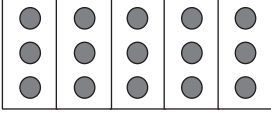
### *Ingxaki zemali ngamagama*

1. Ndinama R30,00. Ndiya evenkileni ukuyokuthenga ubisi nesonka ngama R28,50. Ndizakufumana malini itshintshi?
2. Ndifuna ukuthenga umnqwazi ngama R16,25 kunye nepere yezihlangu ngama R78,90. Kufuneka ndibe namalini ukuze ndikwazi ukuthenga ezi zinto?
3. Ipakethi yetshiphusi li R 1,75.
  - a. Zizakubiza malini ipakethi zetshiphusi ezi 5?
  - b. Ndingathenga ipakethi ezingaphi kuma R12,00?

**8. Amaqhezu wezangqa kunye namaqhezu wezikwere (Isifundo 26)**



## 9. Ithebhile yamaqhezu (Isifundo 28)

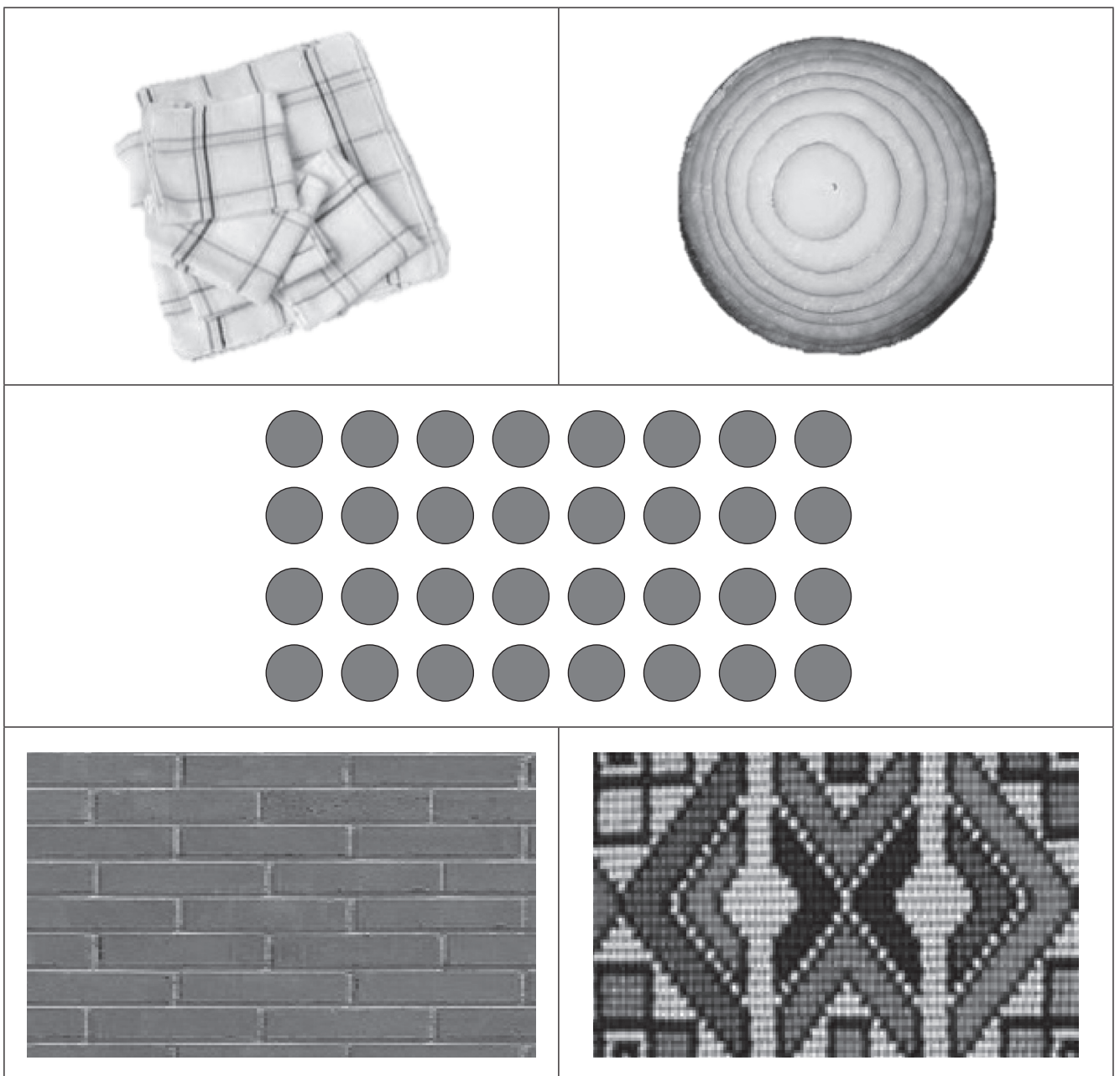
Imilo eyodwa epheleleyo	Izibalisi ezipheleleyo	Leliphi iqhezu lezibalisi esilifumeneyo?	Zingaphi izibalisi?
<p>a) lihafu sisebenzisa iqhezu lesangqa</p> 	<p>Izibalisi ezisibhozo</p> 	<p>Ihafu enye yezibalisi (ezine)</p>	<p>Sinezibalisi ezisibhozo. Ihafu enye yezibalisi zizibalisi ezine</p>
<p>b) . Izithathu zamaqhezu zezikwere</p> 	<p>Izibalisi ezintandathu</p> 	<p>Isithathu esinye sezibalisi (mbini)</p>	<p>Sinezibalisi ezintandathu. Isithathu esinye sezibalisi sizizibalisi ezimbini.</p>
<p>c) likota usebenzisa iqhezu lesangqa</p> 	<p>Izibalisi ezisibhozo</p> 	<p>Ikota enye sezibalisi (mbini)</p>	<p>Sinezibalisi ezisibhozo. Ikota enye yezibalisi izizibalisi ezimbini.</p>
<p>d) Izihlanu zisebenzisa iqhezu lemilo ezibuxande</p> 	<p>Ishumi elinesihlanu sezibalisi</p> 	<p>Isihlanu esinye sezibalisi (ntathu)</p>	<p>Sinezibalisi ezilishumi elinesihlanu. Isihlanu esinye sezibalisi sizizibalisi ezintathu.</p>

# 10. lipateni zeJiyometri (isifundo 31)

## Umsebenzi 1



## Umsebenzi 2





## Mental Mathematics Challenge Cards: Bilingual Version

*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

Which is the smaller number?

#### Ikhadi Lomceli-mngeni Lezibalo 1

Leliphi inani elincinane kunamanye?

1. 17, 27
2. 31, 13
3. 11, 91
4. 84, 48
5. 36, 63
6. 23, 32
7. 46, 64
8. 87, 78
9. 99, 66
10. 77, 44

### Maths Challenge Card 2

Which is the largest number?

#### Ikhadi Lomceli-mngeni Lezibalo 2

Leliphi inani elikhulu kunamanye?

1. 99, 66
2. 48, 84
3. 36, 63
4. 64, 46
5. 97, 79
6. 54, 45
7. 39, 93
8. 37, 73
9. 88, 87
10. 10, 101

### Maths Challenge Card 3

Which number is between:

#### Ikhadi Lomceli-mngeni Lezibalo 3

Leliphi inani eliphakathi?

1. 62, 64
2. 73, 75
3. 90, 92
4. 87, 89
5. 69, 71
6. 28, 30
7. 77, 79
8. 96, 98
9. 88, 90
10. 59, 61

### Maths Challenge Card 4

Solve:

#### Ikhadi Lomceli-mngeni Lezibalo 4

Sombulula:

1.  $2 + 8 = \square + 7 = \square$
2.  $15 + 3 = \square + 2 = \square$
3.  $14 + 3 = \square + 5 = \square$
4.  $18 + 4 = \square + 3 = \square$
5.  $17 + 3 = \square + 5 = \square$
6.  $11 + 8 = \square + 2 = \square$
7.  $10 + 9 = \square + 6 = \square$
8.  $3 + 11 = \square + 4 = \square$
9.  $12 + 4 = \square + 3 = \square$
10.  $13 + 6 = \square + 4 = \square$

### Maths Challenge Card 1: Answers

Which is the smaller number?

#### Ikhadi Lomceli-mngeni Lezibalo 1: limpendulo

Leliphi inani elincinane kunamanye?

1. 17
2. 13
3. 11
4. 48
5. 36
6. 23
7. 46
8. 78
9. 66
10. 44

### Maths Challenge Card 2: Answers

Which is the largest number?

#### Ikhadi Lomceli-mngeni Lezibalo 2: limpendulo

Leliphi inani elikhulu kunamanye?

1. 99
2. 84
3. 63
4. 64
5. 97
6. 54
7. 93
8. 73
9. 88
10. 101

### Maths Challenge Card 3: Answers

Which number is between:

#### Ikhadi Lomceli-mngeni Lezibalo 3: limpendulo

Leliphi inani eliphakathi?

1. 63
2. 74
3. 91
4. 88
5. 70
6. 29
7. 78
8. 97
9. 89
10. 60

### Maths Challenge Card 4: Answers

Solve:

#### Ikhadi Lomceli-mngeni Lezibalo 4: limpendulo

Sombulula:

1. 10, 17
2. 18, 20
3. 17, 22
4. 22, 25
5. 20, 25
6. 19, 21
7. 19, 25
8. 14, 18
9. 16, 19
10. 19, 23

### Maths Challenge Card 5

What must I add to these numbers to get 20?

#### Ikhadi Lomceli-mngeni Lezibalo 5

Kufaneleke ukuba ndidibanise eliphi inani ukufumana ama-20?

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

### Maths Challenge Card 6

4 more than:

#### Ikhadi Lomceli-mngeni Lezibalo 6

Okuninzi ka-4 kunoku:

1. 15
2. 8
3. 7
4. 16
5. 14
6. 13
7. 12
8. 10
9. 1
0. 17

### Maths Challenge Card 7

3 less than:

#### Ikhadi Lomceli-mngeni Lezibalo 7

Okuncinane ka-3 kunoku:

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

### Maths Challenge Card 8

Complete:

#### Ikhadi Lomceli-mngeni Lezibalo 8

Gqibezela:

1. 24, 22, 20, \_\_, \_\_, \_\_
2. 16, 18, 20, \_\_, \_\_, \_\_
3. 30, 40, \_\_, \_\_, \_\_
4. \_\_, \_\_, \_\_, 40, 50, 60
5. 15, 20, 25, \_\_, \_\_, \_\_.
6. 30, 25, \_\_, \_\_, \_\_
7. 3, 6, 9, \_\_, \_\_, \_\_
8. 20, 16, 12, \_\_, \_\_, \_\_
9. 70, 75, \_\_, \_\_, \_\_
10. 100, 95, \_\_, \_\_, \_\_

### Maths Challenge Card 5: Answers

What must I add to these numbers to get 20?

#### Ikhadi Lomceli-mngeni Lezibalo 5: limpendulo

Kufaneleke ukuba ndidibanise eliphi inani ukufumana ama-20?

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

### Maths Challenge Card 6: Answers

4 more than:

#### Ikhadi Lomceli-mngeni Lezibalo 6: limpendulo

Okuninzi ka-4 kunoku:

1. 19
2. 12
3. 11
4. 20
5. 18
6. 17
7. 16
8. 14
9. 5
10. 21

### Maths Challenge Card 7: Answers

3 less than:

#### Ikhadi Lomceli-mngeni Lezibalo 7: limpendulo

Okuncinane ka-3 kunoku:

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

### Maths Challenge Card 8: Answers

Complete:

#### Ikhadi Lomceli-mngeni Lezibalo 8: limpendulo

Gqibezela:

1. 18, 16, 14
2. 22, 24, 26
3. 50, 60, 70
4. 10, 20, 30
5. 30, 35, 40
6. 20, 15, 10
7. 12, 15, 18
8. 8, 4, 0
9. 80, 85, 90
10. 90, 85, 80

## 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.

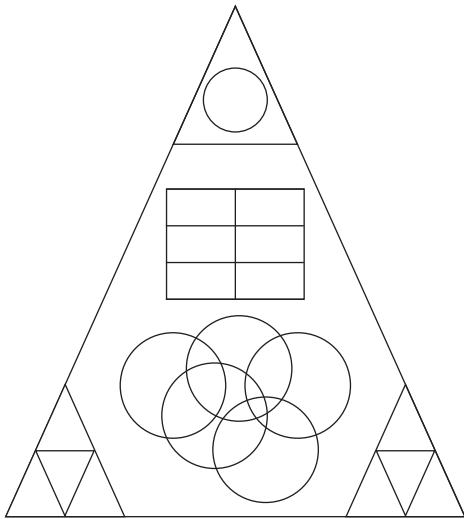
These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some 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 4.1

Count the different shapes?



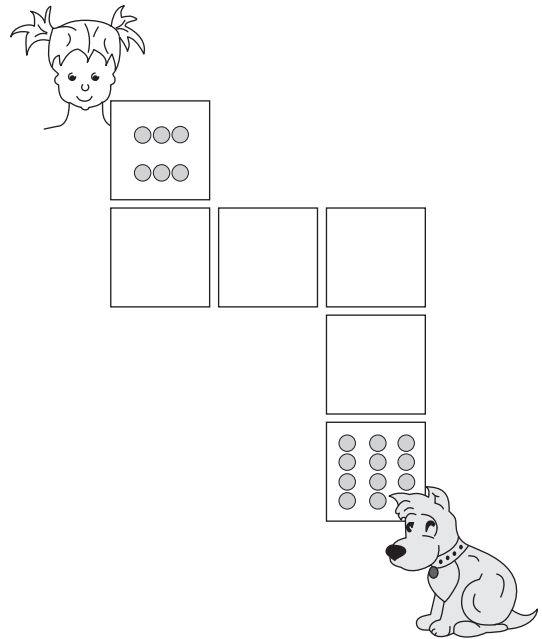
How many  $\triangle$  are there? \_\_\_\_\_

How many  $\square$  are there? \_\_\_\_\_

How many  $\circ$  are there? \_\_\_\_\_

### Enrichment Activity 4.2

Help Sarah to find her lost dog by filling in the correct number of dots on each counter.



### Enrichment Activity 4.3

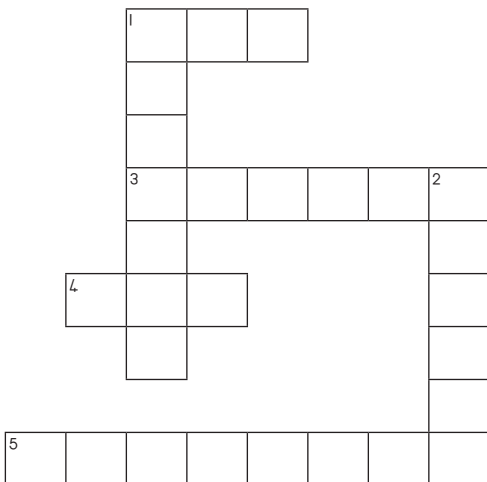
Work out the sums and complete the crossword puzzle by filling in the number names:

#### Down

1.  $4 \times 4 =$
2.  $6 + 5 =$

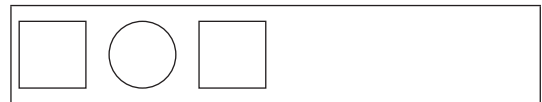
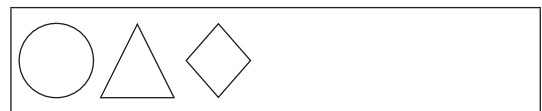
#### Across

1.  $3 \times 2 =$
3.  $6 \times 2 =$
4.  $5 \times 2 =$
5.  $12 + 7 =$



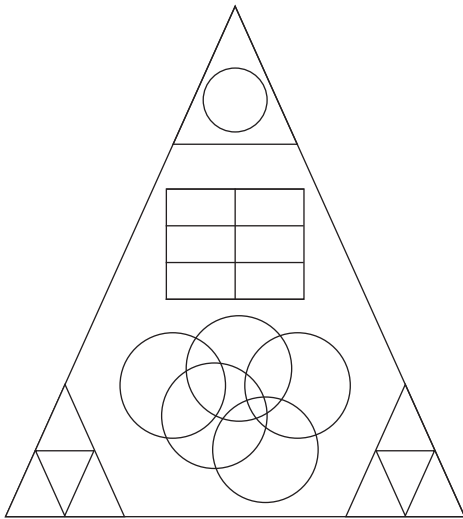
### Enrichment Activity 4.4

Complete the following patterns.



### Enrichment Activity 4.1: Answers

Count the different shapes?



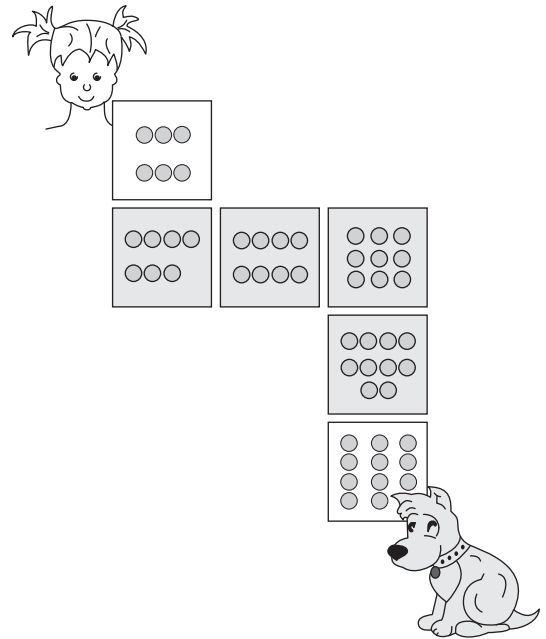
How many  $\triangle$  are there? (12)

How many  $\square$  are there? (14)

How many  $\circ$  are there? (6)

### Enrichment Activity 4.2: Answers

Help Sarah to find her lost dog by filling in the correct number of dots on each counter.



### Enrichment Activity 4.3: Answers

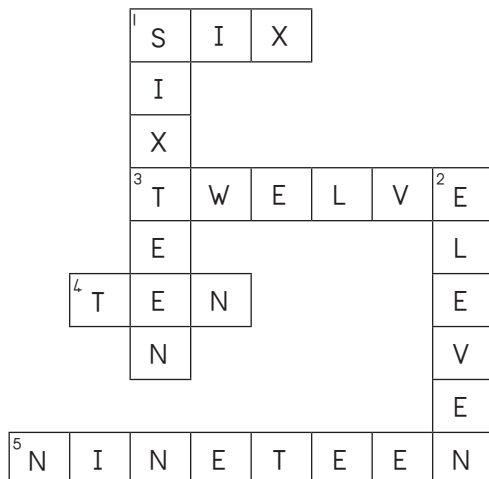
Work out the sums and complete the crossword puzzle by filling in the number names:

#### Down

1.  $4 \times 4 =$
2.  $6 + 5 =$

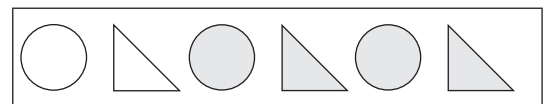
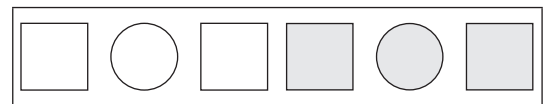
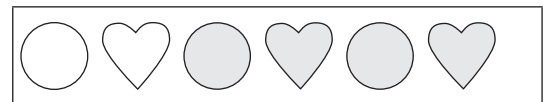
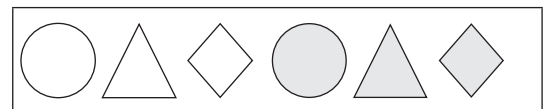
#### Across

1.  $3 \times 2 =$
3.  $6 \times 2 =$
4.  $5 \times 2 =$
5.  $12 + 7 =$



### Enrichment Activity 4.4: Answers

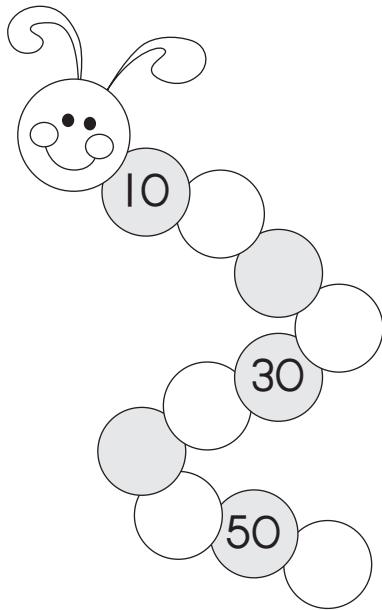
Complete the following patterns.





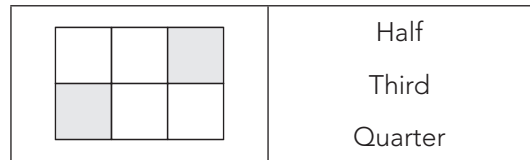
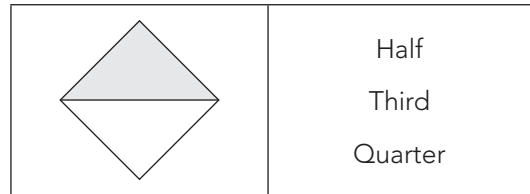
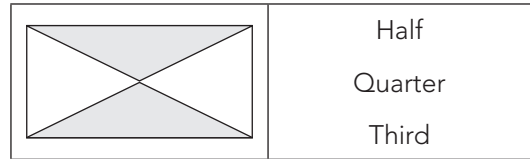
### Enrichment Activity 4.5

Figure out the pattern to complete the worm.



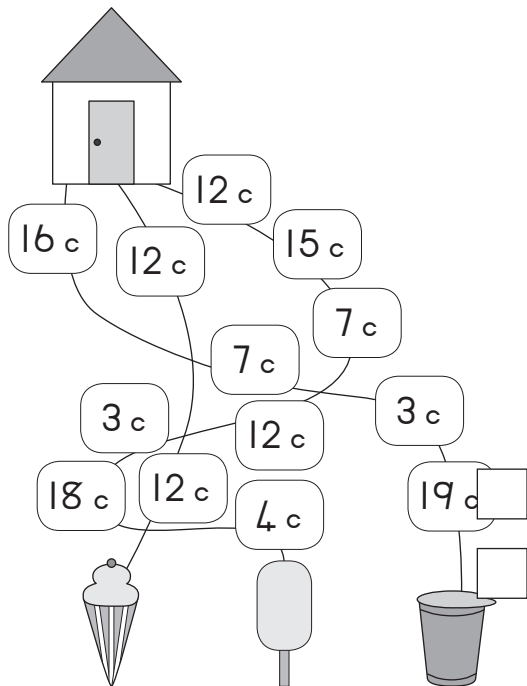
### Enrichment Activity 4.6

What fraction of the shape is coloured?  
Choose the correct answer.



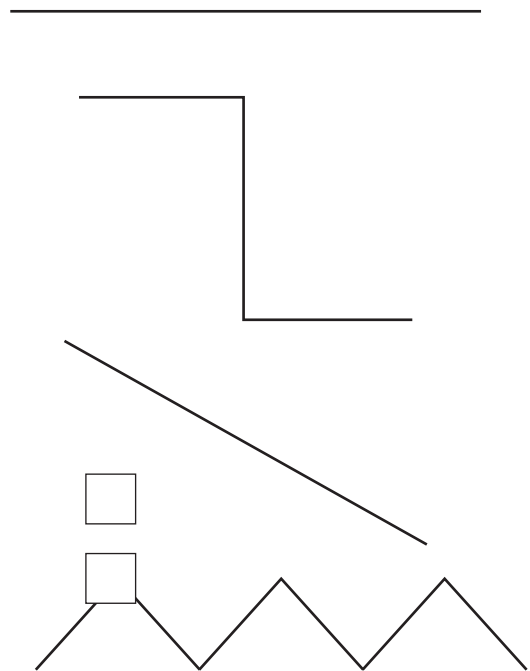
### Enrichment Activity 4.7

Follow the paths and then circle the ice-cream that is the cheapest.



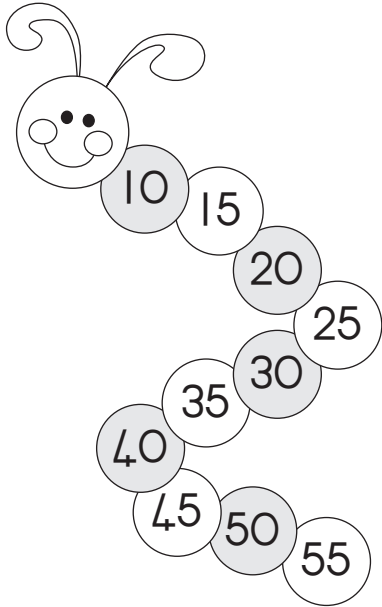
### Enrichment Activity 4.8

Circle the line that is the longest. You may use a ruler to measure the lines.



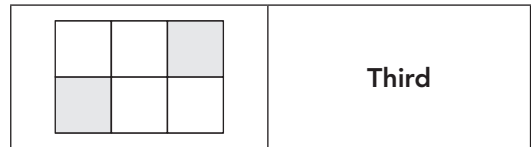
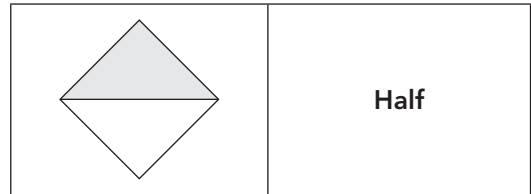
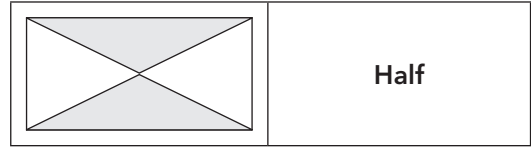
**Enrichment Activity 4.5: Answers**

Figure out the pattern to complete the worm.



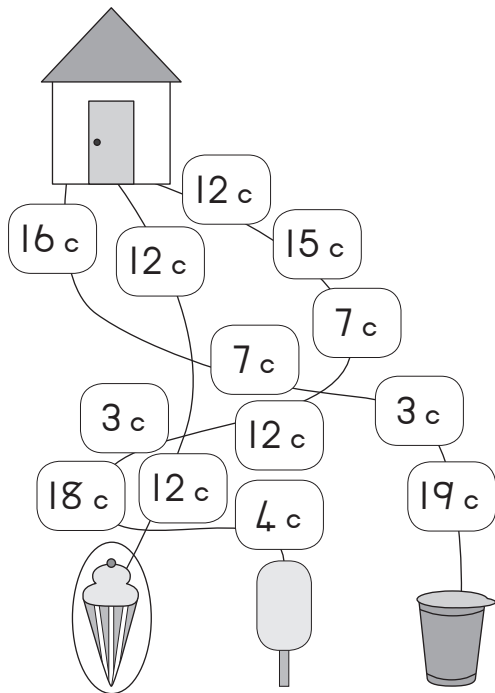
**Enrichment Activity 4.6: Answers**

What fraction of the shape is coloured?  
Choose the correct answer.



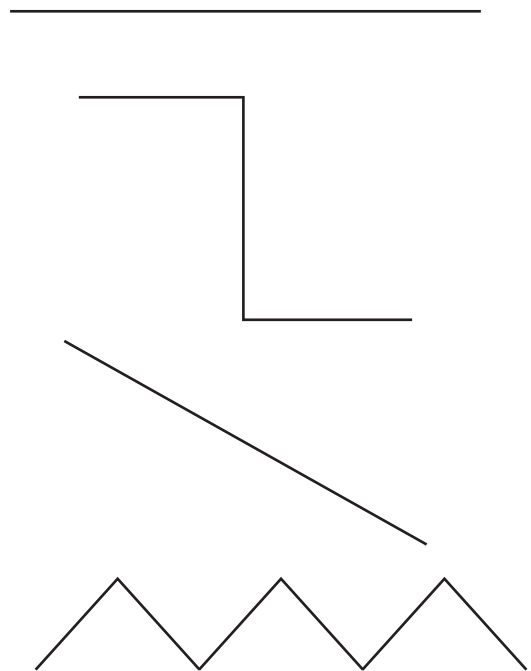
**Enrichment Activity 4.7: Answers**

Follow the paths and then circle the ice-cream that is the cheapest.



**Enrichment Activity 4.8: Answers**

Circle the line that is the longest. You may use a ruler to measure the lines.

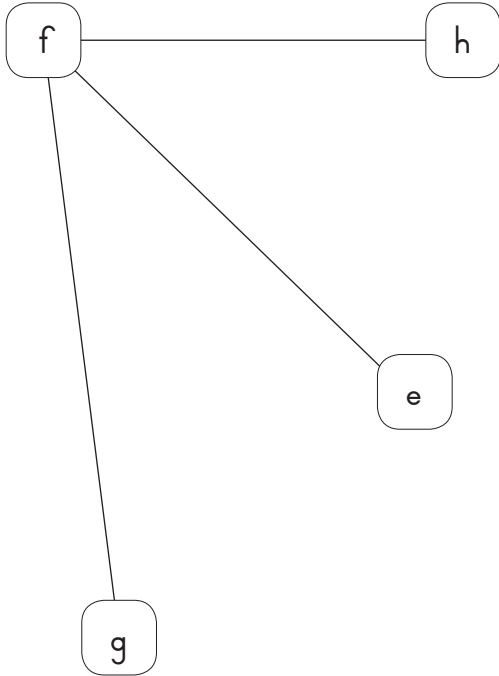


### Enrichment Activity 4.9

Which line will be the longest?

Circle your answer.

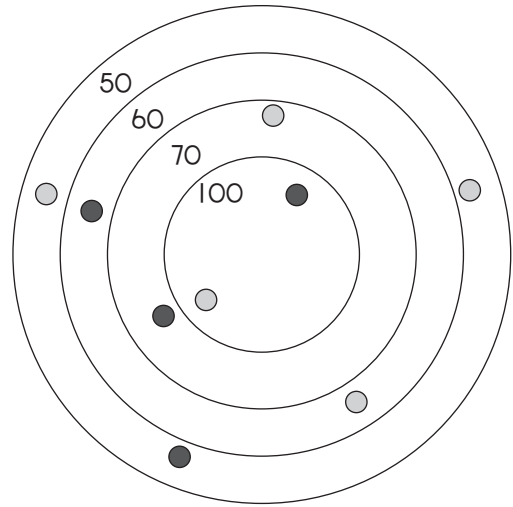
E to F; F to G; or F to H?



### Enrichment Activity 4.10

Jane and Jake are playing marbles.

Add their scores to see who is winning.

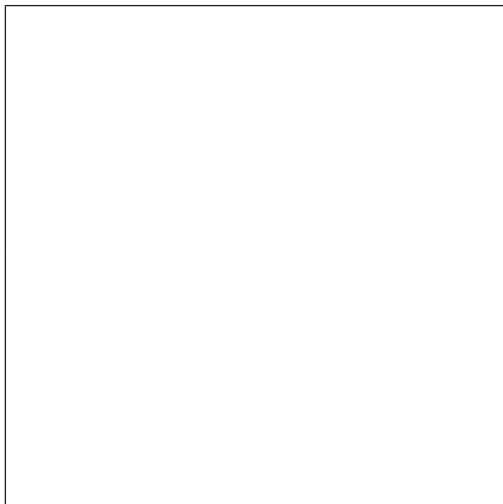


● Jane \_\_\_\_\_

○ Jake \_\_\_\_\_

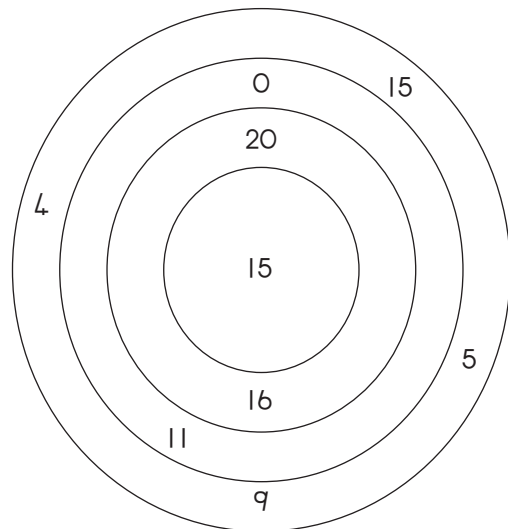
### Enrichment Activity 4.11

Divide this square into 6 smaller rectangles.



### Enrichment Activity 4.12

Use the numbers and figure out how many sums you can make with 20 as the answer.

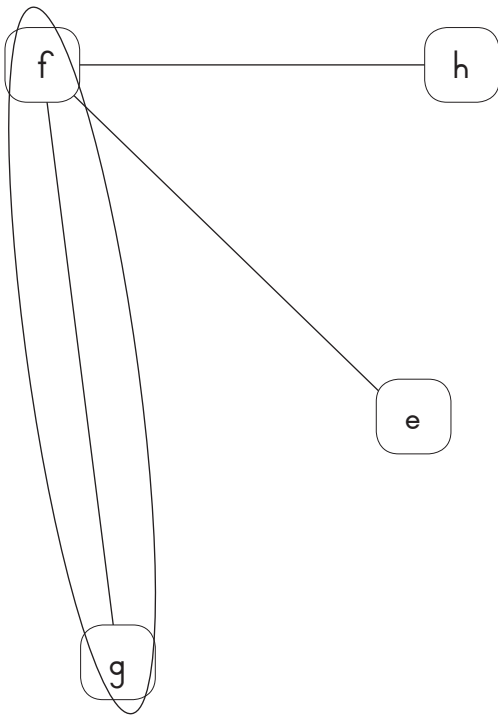


**Enrichment Activity 4.9: Answers**

Which line will be the longest?

Circle your answer.

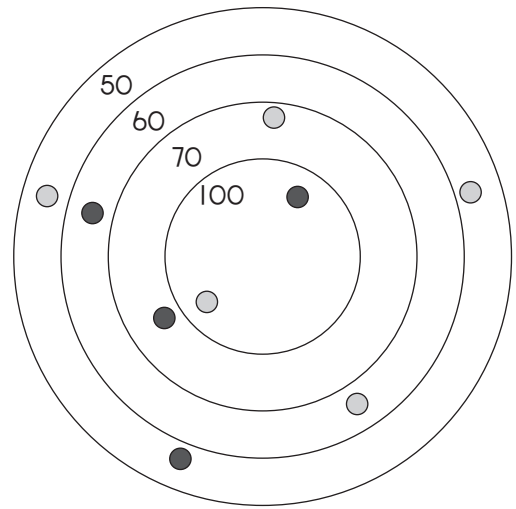
E to F; F to G; or F to H?



**Enrichment Activity 4.10: Answers**

Jane and Jake are playing marbles.

Add their scores to see who is winning.

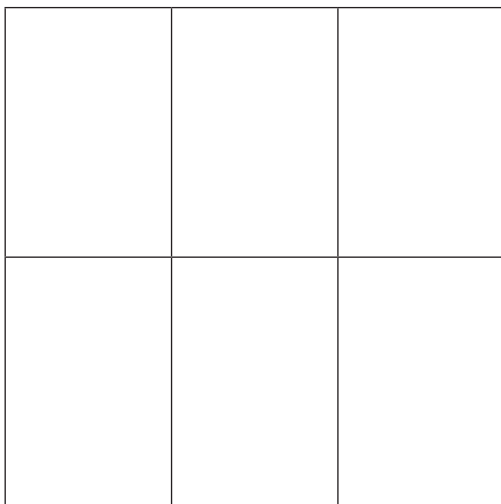


● Jane (350)

○ Jake (330)

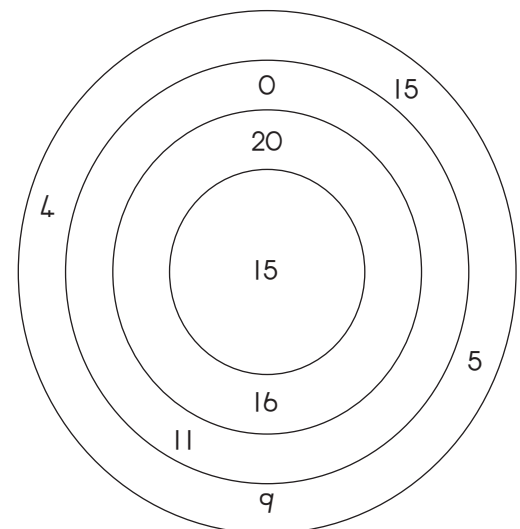
**Enrichment Activity 4.11: Answers**

Divide this square into 6 smaller rectangles.



**Enrichment Activity 4.12: Answers**

Use the numbers and figure out how many sums you can make with 20 as the answer.



You can make 4 sums:

$20 + 0$ ,  $15 + 5$ ,  $11 + 9$ ,  $16 + 4$

### Enrichment Activity 4.13

Match the problems in Block A with the answers in Block B.

Block A
$5 \times 4 =$
$20 \times 2 =$
$16 + 3 =$
$12 + 6 =$
$60 + 3 =$
$10 \times 7 =$
$40 \times 0 =$
$27 + 1 =$
$14 + 9 =$

Block B
40
18
0
63
23
28
70
20
19

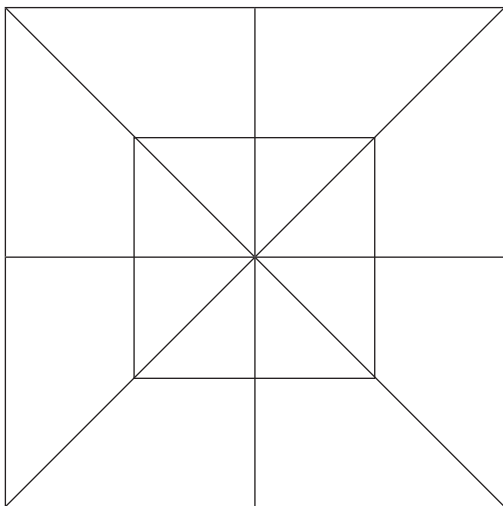
### Enrichment Activity 4.14

Try to work out the sums in these blocks.

+	8	1	50
2			
4			
6			
8			
10			

### Enrichment Activity 4.15

How many  $\triangle$  do you see?



12 Triangles

26 Triangles

33 Triangles

20 Triangles

### Enrichment Activity 4.16

Match the numbers with the number names.

Numbers
20
10
90
19
12
14
40

Number names
Twelve
Nineteen
Twenty
Ninety
Ten
Forty
Fourteen

### Enrichment Activity 4.13: Answers

Match the problems in Block A with the answers in Block B.

Block A	Block B
$5 \times 4 =$	40
$20 \times 2 =$	18
$16 + 3 =$	0
$12 + 6 =$	63
$60 + 3 =$	23
$10 \times 7 =$	28
$40 \times 0 =$	70
$27 + 1 =$	20
$14 + 9 =$	19

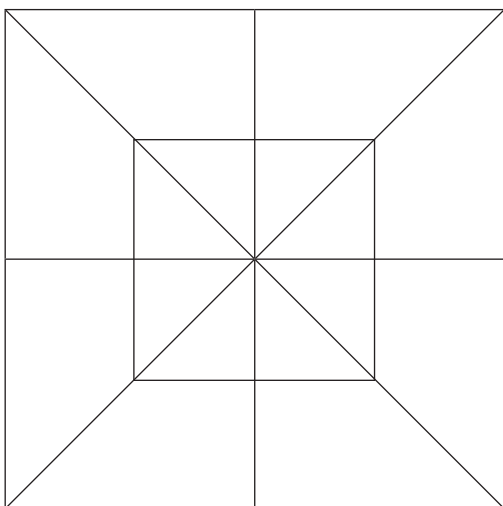
### Enrichment Activity 4.14: Answers

Try to work out the sums in these blocks.

+	8	1	50
2	10	3	52
4	12	5	54
6	14	7	56
8	16	9	58
10	18	11	60

### Enrichment Activity 4.15: Answers

How many  $\triangle$  do you see?



**26 Triangles**

### Enrichment Activity 4.16: Answers

Match the numbers with the number names.

Numbers	Number names
20	Twenty
10	Ten
90	Ninety
19	Nineteen
12	Twelve
14	Fourteen
40	Forty

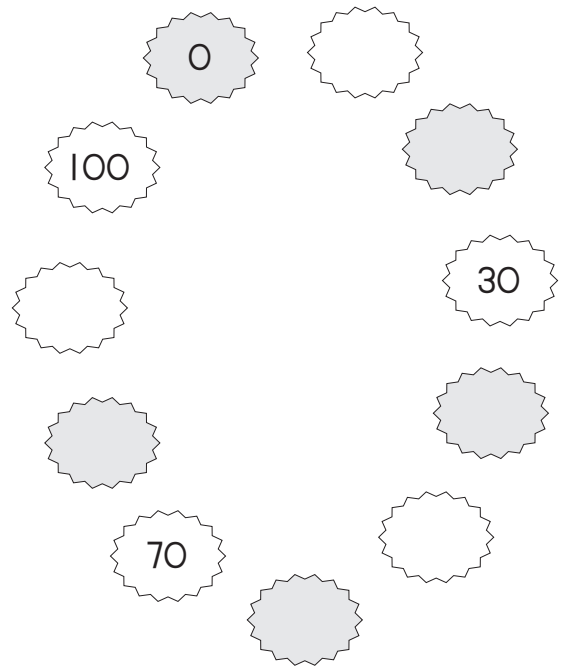
### Enrichment Activity 4.17

Complete the table by working out the sums.

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

### Enrichment Activity 4.18

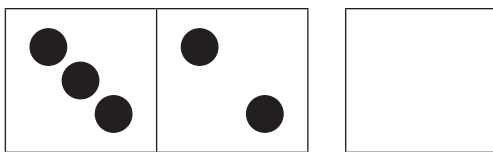
Complete the pattern.



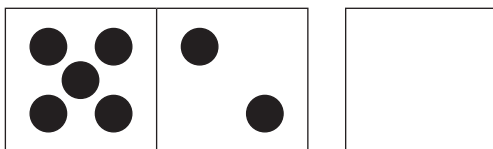
### Enrichment Activity 4.19

Multiply the dots on the dominoes and fill in the answers.

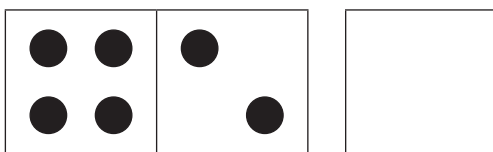
How much will it be?



How much will it be?

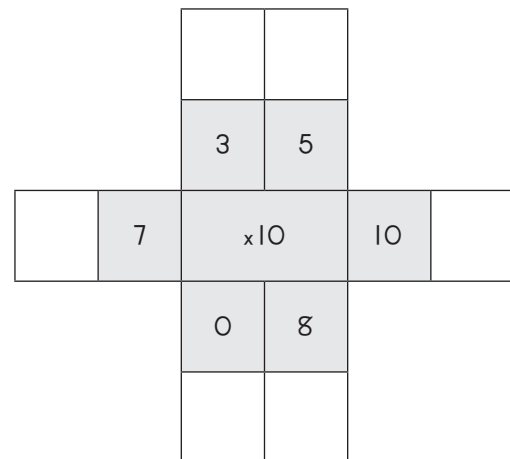


How much will it be?



### Enrichment Activity 4.20

Multiply the inner number with the outer numbers.



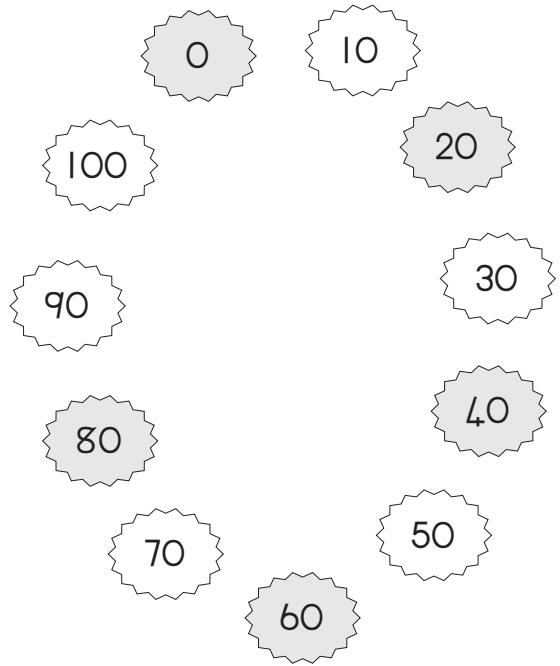
**Enrichment Activity 4.17: Answers**

Complete the table by working out the sums.

x	5	4	2
1	5	4	3
2	10	8	4
4	15	7	12
4	20	16	8
5	25	20	10
6	30	24	12
7	35	28	14
8	40	32	16
9	45	36	18
10	50	40	20

**Enrichment Activity 4.18: Answers**

Complete the pattern.



**Enrichment Activity 4.19: Answers**

Multiply the dots on the dominoes and fill in the answers.

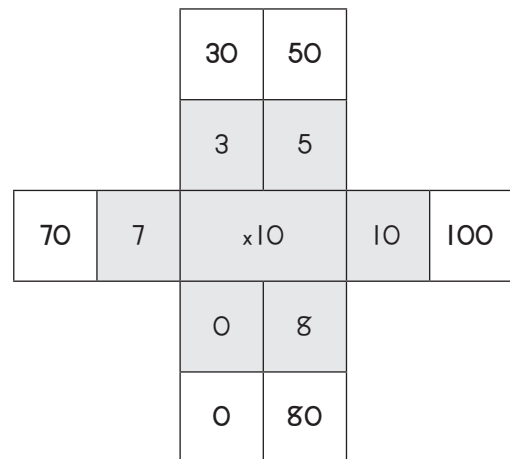
How much will it be?

How much will it be?

How much will it be?

**Enrichment Activity 4.20: Answers**

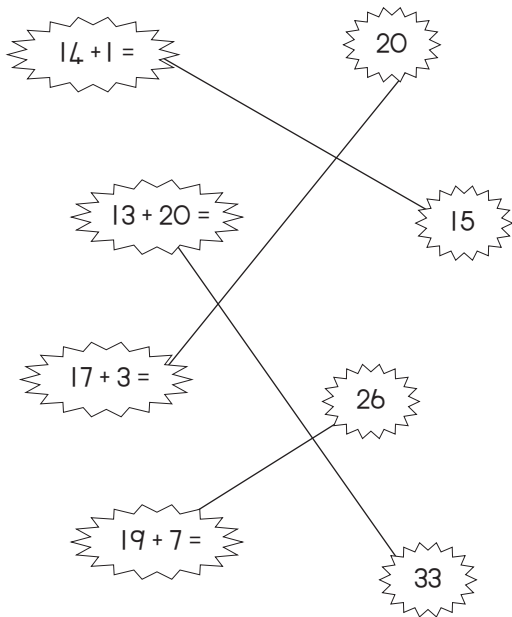
Multiply the inner number with the outer numbers.





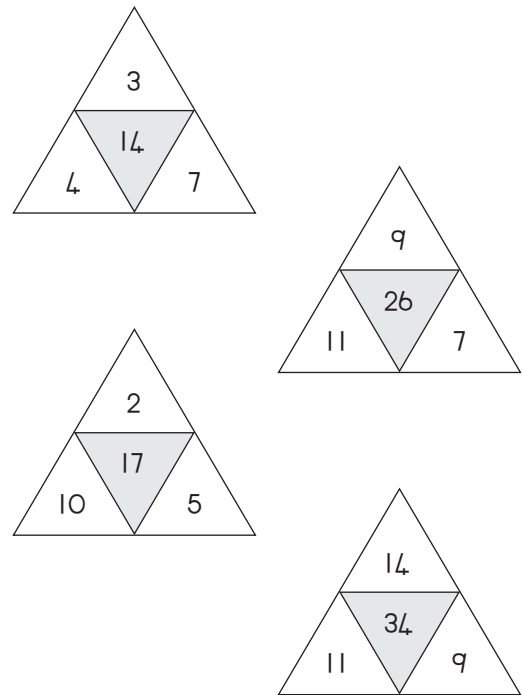
### Enrichment Activity 4.21: Answers

Calculate the following and draw a line to the answer.



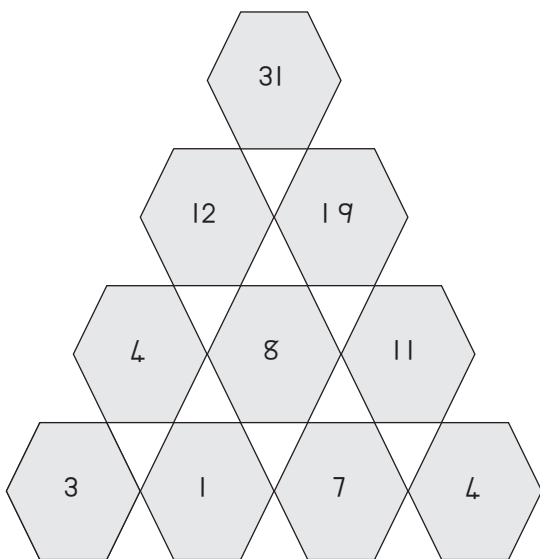
### Enrichment Activity 4.22: Answers

Add the numbers to find the number in the middle.



### Enrichment Activity 4.23: Answers

The number in each hexagon is made up by adding the numbers in the two hexagons below it. Calculate the missing numbers.



### Enrichment Activity 4.24: Answers

Calculate each row of the puzzle. Fill in the answers. Calculate each column of the puzzle.

14	+	2	=	16
+		+		+
3	+	7	=	10
=		=		=
17	+	9	=	26

### Enrichment Activity 4.21

Calculate the following and draw a line to the answer.

$$14 + 1 =$$

20

$$13 + 20 =$$

15

$$17 + 3 =$$

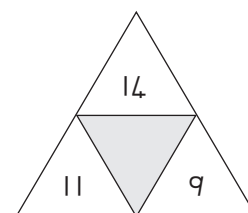
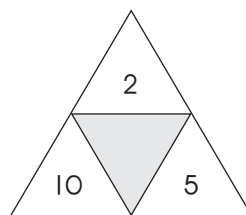
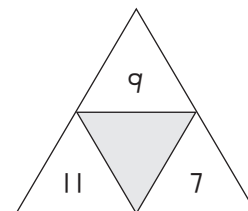
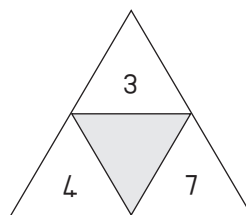
26

$$19 + 7 =$$

33

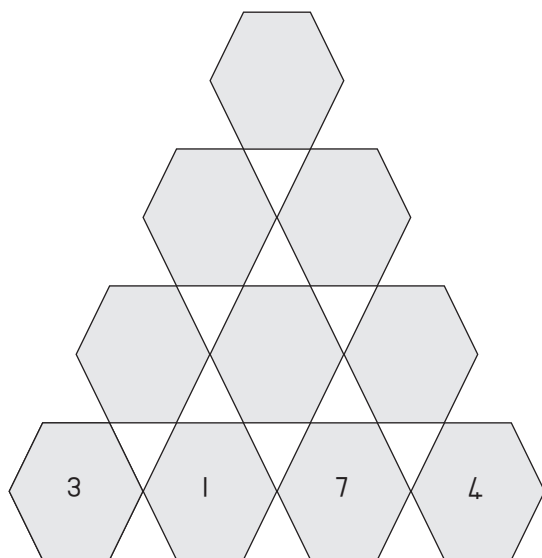
### Enrichment Activity 4.22

Add the numbers to find the number in the middle.



### Enrichment Activity 4.23

The number in each hexagon is made up by adding the numbers in the two hexagons below it. Calculate the missing numbers.



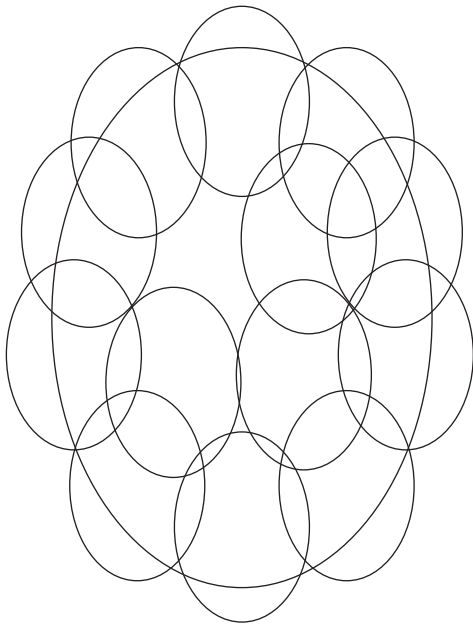
### Enrichment Activity 4.24

Calculate each row of the puzzle. Fill in the answers. Calculate each column of the puzzle.

14	+	2	=	
+		+		+
3	+	7	=	
=		=		=
	+		=	

**Enrichment Activity 4.25**

How many ovals do you see?




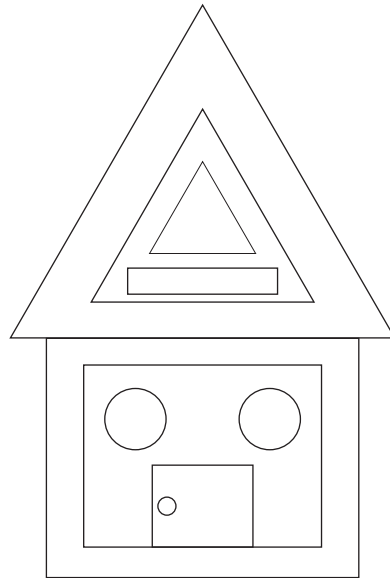
11      24      14

**Enrichment Activity 4.26**

Colour all the  red.

Colour all the  yellow.

Colour all the  blue.



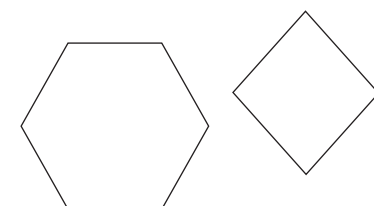
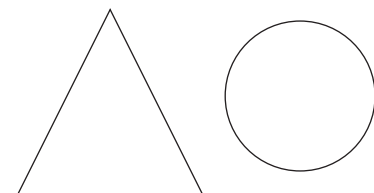
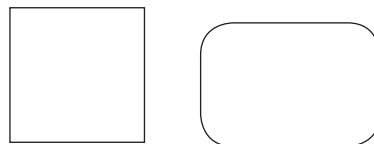
**Enrichment Activity 4.27**

Name the different shapes.



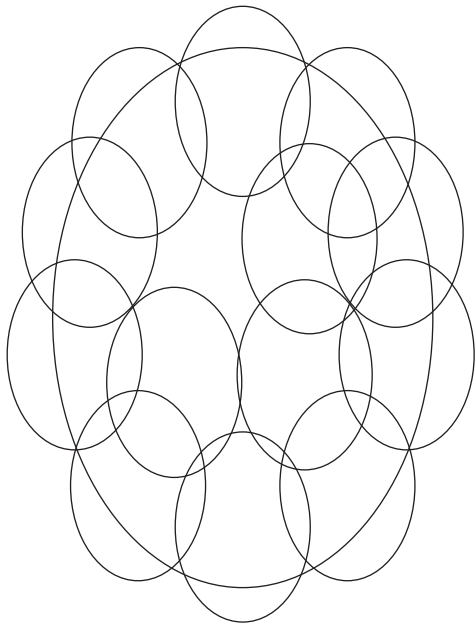
**Enrichment Activity 4.28**

Use these shapes and draw something that you like.



**Enrichment Activity 4.25: Answers**

How many ovals do you see?




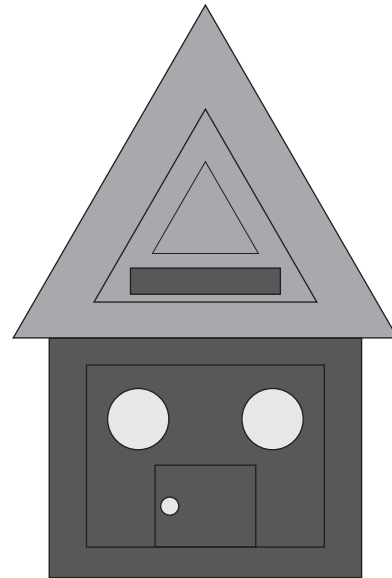
11      24      **14**

**Enrichment Activity 4.26: Answers**

Colour all the  red.

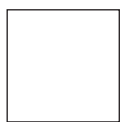
Colour all the  yellow.

Colour all the  blue.

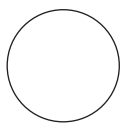


**Enrichment Activity 4.27: Answers**

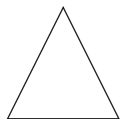
Name the different shapes.



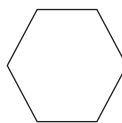
**Square**



**Circle**



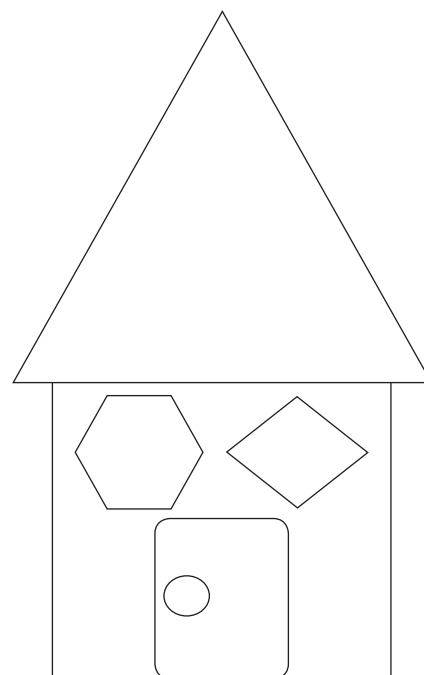
**Triangle**



**Hexagon**

**Enrichment Activity 4.28: Answers**

Use these shapes and draw something that you like.



### Enrichment Activity 4.29

Add each row of numbers to get an answer.

=									=
	3							5	
		7						2	
			19						
		8						1	
	0							7	
=									=

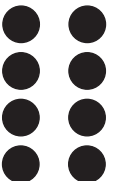
### Enrichment Activity 4.30

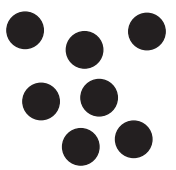
Write the number names for each of the following numbers.

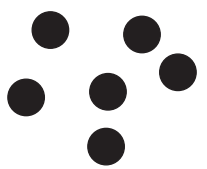
8	
2	
3	
7	
9	
10	
15	
12	
30	
25	
100	

### Enrichment Activity 4.31

Count and draw 10 more counters on the right hand side.

	
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### Enrichment Activity 4.32

Which number is bigger?  
Circle the bigger number.

- |    |    |     |
|----|----|-----|
| 10 | or | 100 |
| 12 | or | 21  |
| 15 | or | 51  |
| 16 | or | 61  |
| 31 | or | 13  |
| 17 | or | 72  |
| 20 | or | 21  |
| 52 | or | 25  |
| 10 | or | 1   |

**Enrichment Activity 4.29: Answers**

Add each row of numbers to get an answer.

29						26
=						=
	3				5	
		7		2		
		19				
		8		1		
	0				7	
=						=
27						27

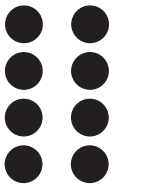
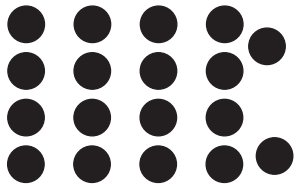
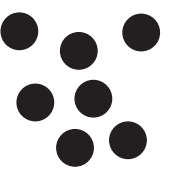
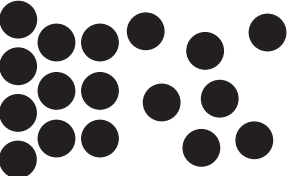
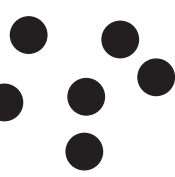
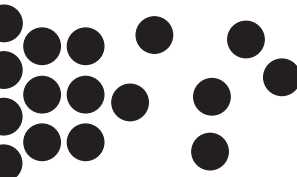
**Enrichment Activity 4.30: Answers**

Write the number names for each of the following numbers.

8	eight
2	two
3	three
7	seven
9	nine
10	ten
15	fifteen
12	twelve
30	thirty
25	twenty five
100	one hundred

**Enrichment Activity 4.31: Answers**

Add 10 and draw your answer on the right hand side.

**Enrichment Activity 4.32: Answers**

Which number is bigger?  
Circle the bigger number.

- |      |    |       |
|------|----|-------|
| 10   | or | (100) |
| 12   | or | (21)  |
| 15   | or | (51)  |
| 16   | or | (61)  |
| (31) | or | 13    |
| 17   | or | (72)  |
| 20   | or | (21)  |
| (52) | or | 25    |
| (10) | or | 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.

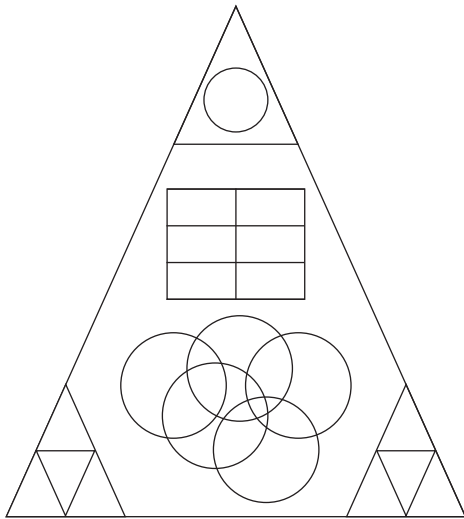
These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some 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 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.

### Imisebenzi yophuculo 4.1

Bala iimilo ezohlukeneyo.



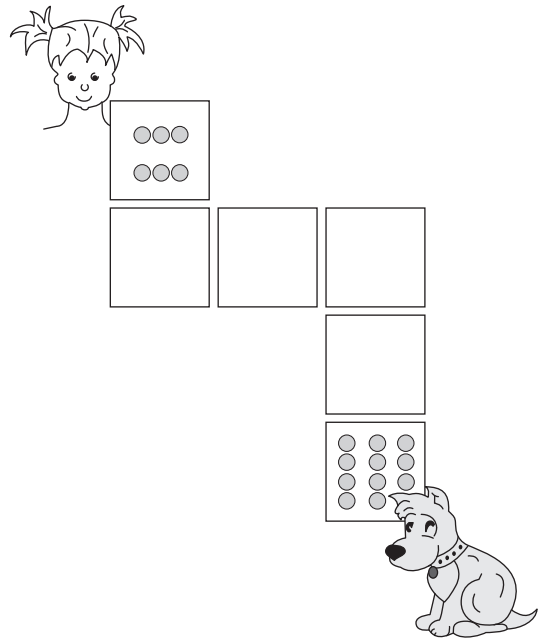
Bangaphi  $\triangle$  abaphaya? \_\_\_\_\_

Zingaphi  $\square$  ezilapha? \_\_\_\_\_

Zingaphi  $\circ$  ezilapha \_\_\_\_\_

### Imisebenzi yophuculo 4.2

Nceda uSara afumaneinja yakhe elahlekileyo ngokuthi ugcwalise izithuba



### Imisebenzi yophuculo 4.3

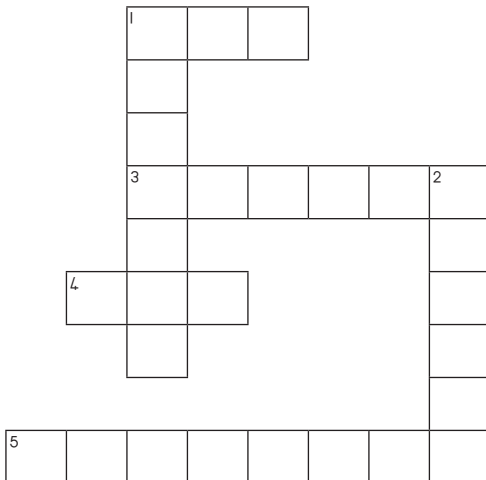
Sombulula ezi ngxaki wandule ukugqibezela iphazile yamagama akroswayo/axananazileyo ngokuthi ugcwalise amanani magama.

#### Phansi

1.  $4 \times 4 =$
2.  $6 + 5 =$

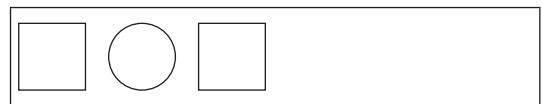
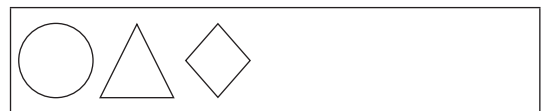
#### Ukuvundla

1.  $3 \times 2 =$
3.  $6 \times 2 =$
4.  $5 \times 2 =$
5.  $12 + 7 =$



### Imisebenzi yophuculo 4.4

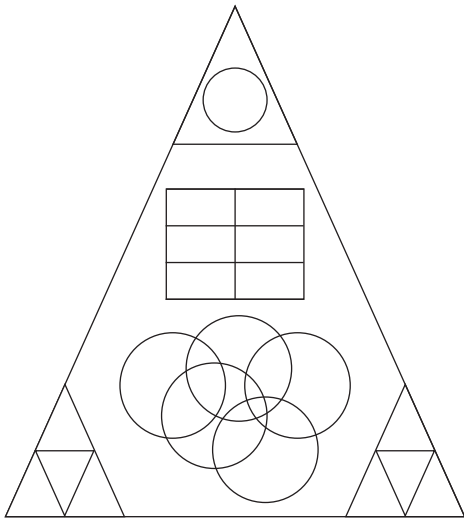
Gcwalisa ezi pateni zilandelayo.





### Imisebenzi yophuculo 4.1: Ilimpendulo

Bala iimilo ezohlukeneyo.



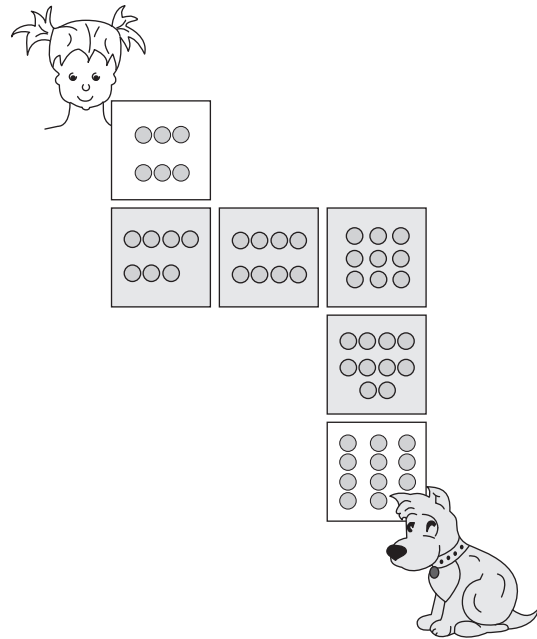
Bangaphi  $\triangle$  abaphaya? (12)

Zingaphi  $\square$  ezilapha? (14)

Zingaphi  $\circ$  ezilapha (6)

### Imisebenzi yophuculo 4.2: Ilimpendulo

Nceda uSara afumaneinja yakhe elahlekileyo ngokuthi ugcwalise izithuba



### Umsebenzi Wokubakhulisa 4.3: Izimpendulo

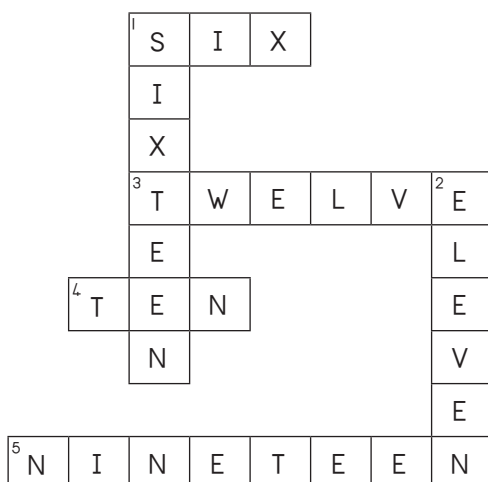
Sombulula ezi ngxaki wandule ukugqibezela iphazile yamagama akrosileyo/axananazileyo:

#### Ezantsi

- $4 \times 4 =$
- $6 + 5 =$

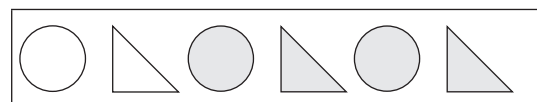
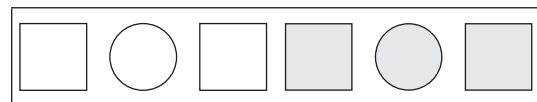
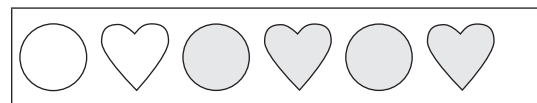
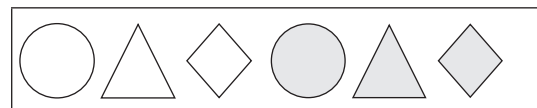
#### Enqamlezileyo

- $3 \times 2 =$
- $6 \times 2 =$
- $5 \times 2 =$
- $12 + 7 =$



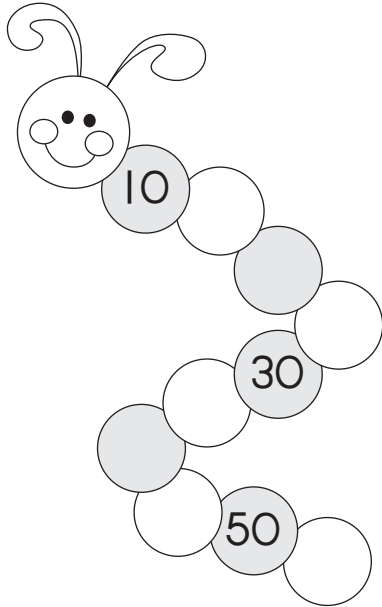
### Imisebenzi yophuculo 4.4: Ilimpendulo

Gcwalisa ezi pateni zilandelayo.



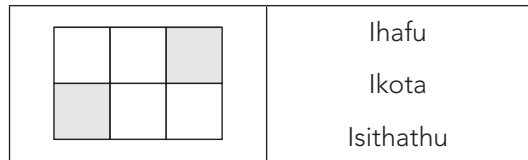
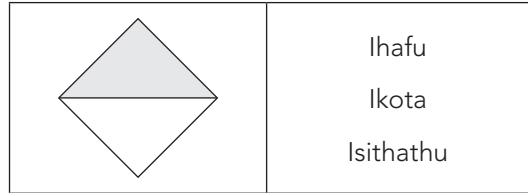
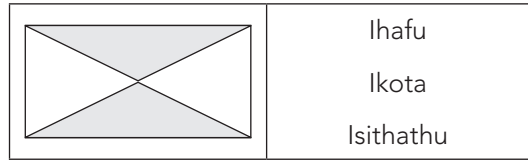
**Imisebenzi yophuculo 4.5**

Sebenza kule pateni ukugcwalisa isongololo



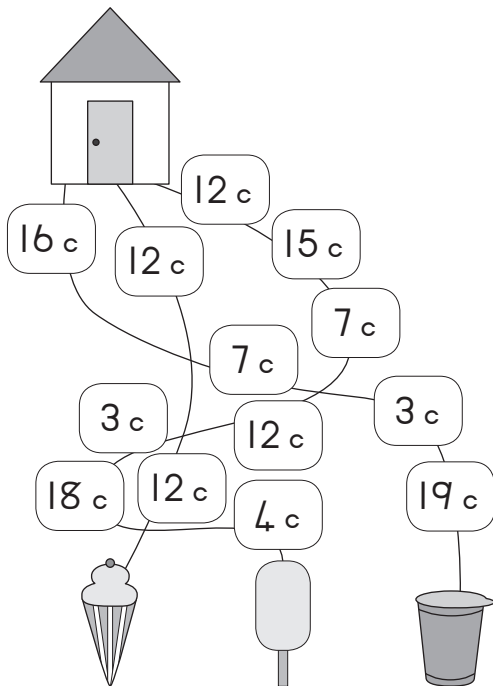
**Imisebenzi yophuculo 4.6**

Ngawaphi amaqhezu emilo afakwe umbala?  
Khetha impendulo echanekileyo.



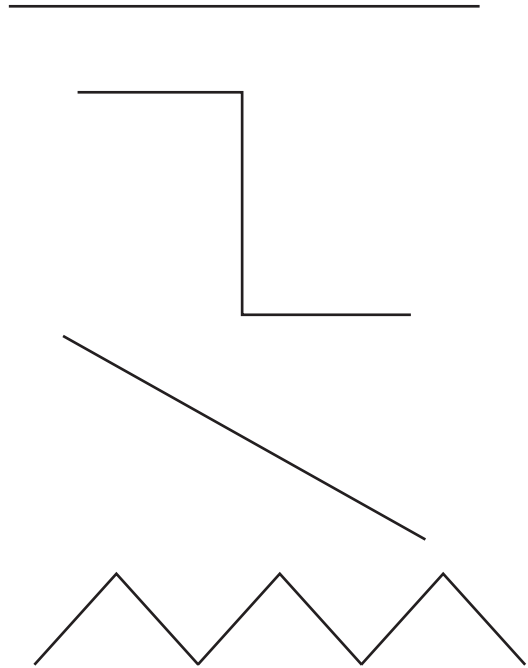
**Imisebenzi yophuculo 4.7 Iimpendulo**

Dibanisa imali kwindlela nganye kwaye ubiyele ngesangqa i-ayisikhrim ekwixabiso eliphantsi.



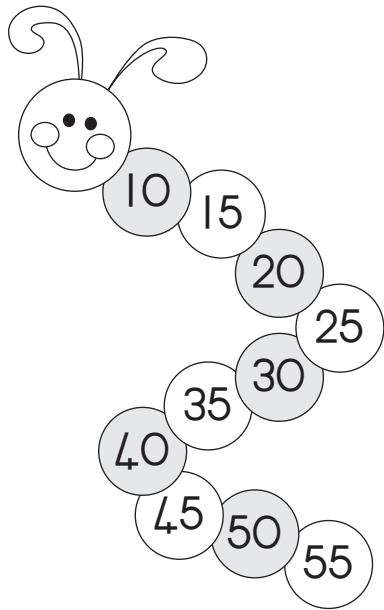
**Imisebenzi yophuculo 4.8 Iimpendulo**

Biyela ngesangqa umgca omde kuneminye.  
Ungayisebenzisa irula ukulinganisa imigca



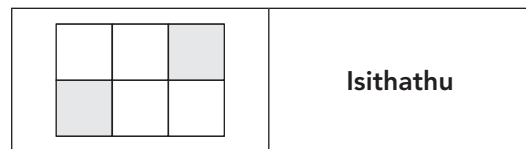
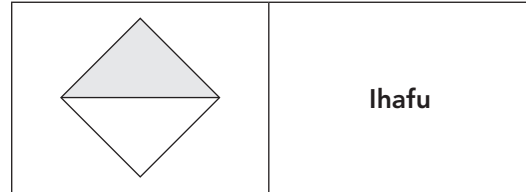
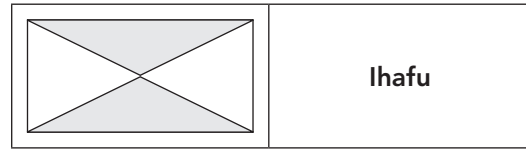
**Imisebenzi yophuculo 4.5: Iimpendulo**

Sebenza kule pateni ukugcwalisa isongololo



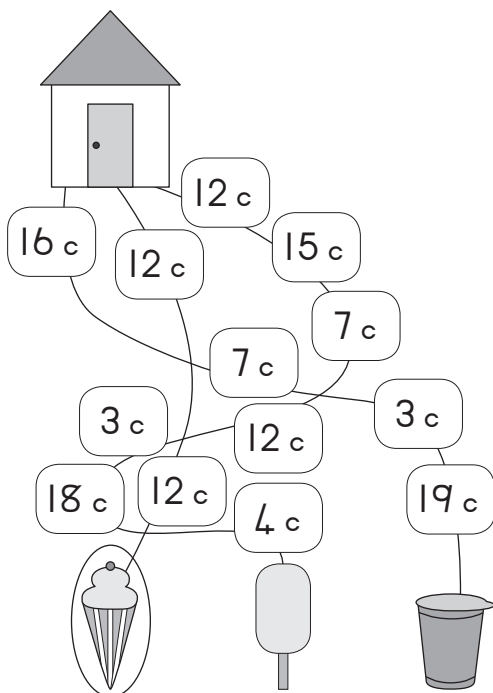
**Imisebenzi yophuculo 4.6: Iimpendulo**

Ngawaphi amaqhezu emilo afakwe umbala?  
Khetha impendulo echanekileyo



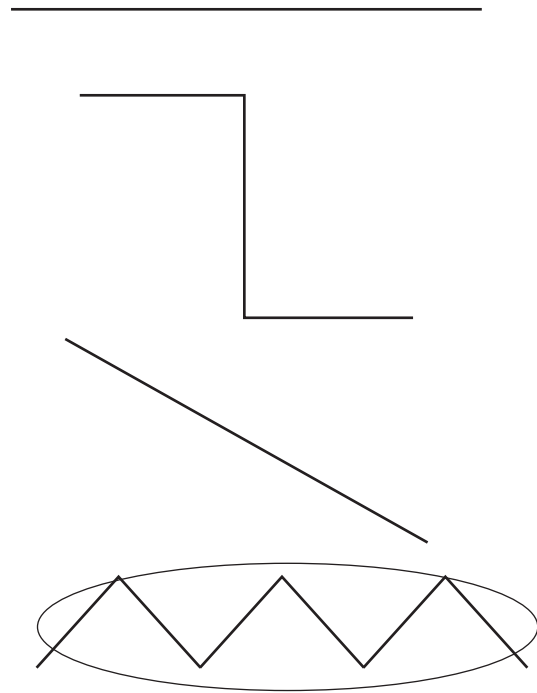
**Imisebenzi yophuculo 4.7: Iimpendulo**

Dibanisa imali kwindlela nganye kwaye ubiyele ngesangqa i-ayisikhrim ekwixabiso eliphantsi.



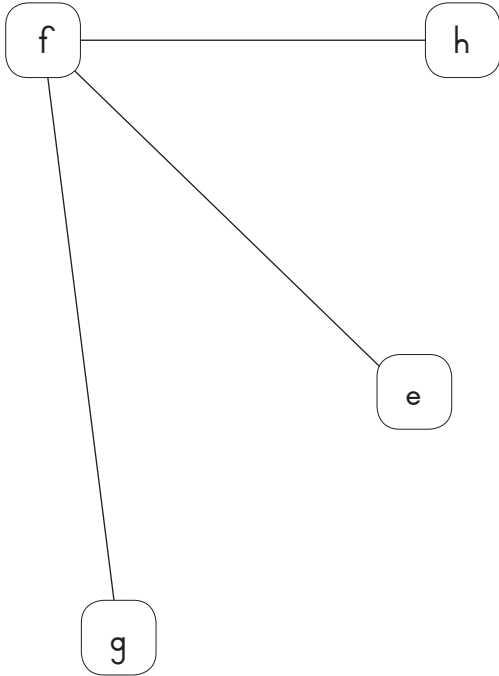
**Imisebenzi yophuculo 4.8: Iimpendulo**

Biyela ngesangqa umgca omde kuneminye.  
Ungayisebenzisa irula ukulinganisa imigca .



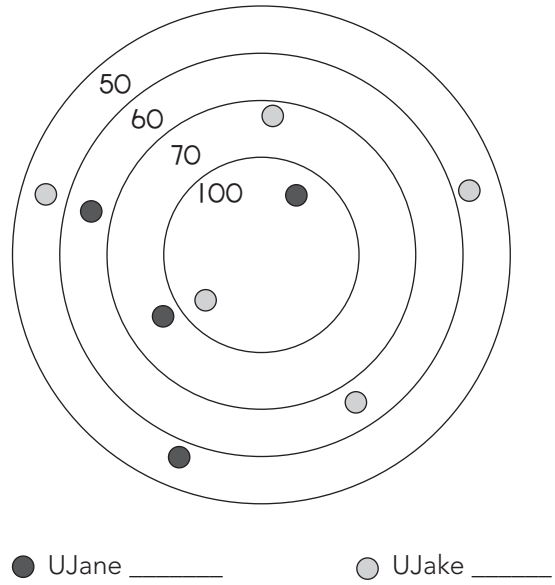
**Imisebenzi yophuculo 4.9**

Ngowuphi umgca omde kunayo yonke? Biyela impendulo yakho. E ukuya F; F ukuya G; okanye F ukuya H?



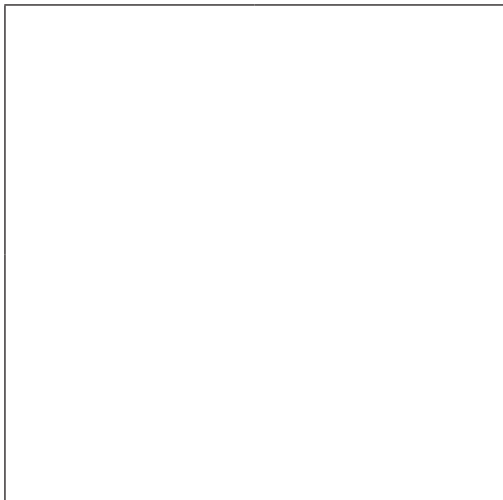
**Imisebenzi yophuculo 4.10**

UJane kunye noJake badlala amabhastile. Dibanisa amanqaku wabo ukubona ophumeleleyo.



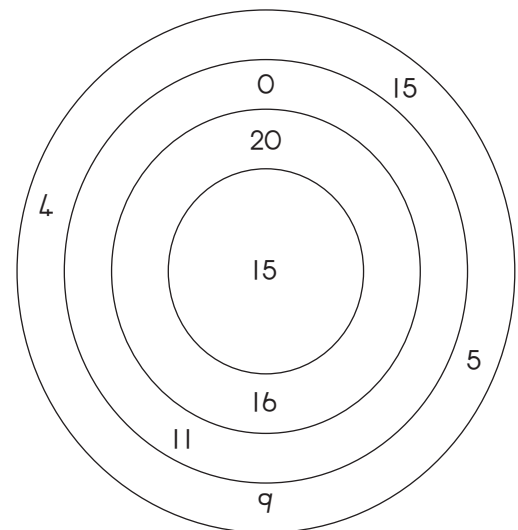
**Imisebenzi yophuculo 4.11**

Hlulahlula esi sikwere sibe zimilo ezibuxande ezi 4 ezincinci



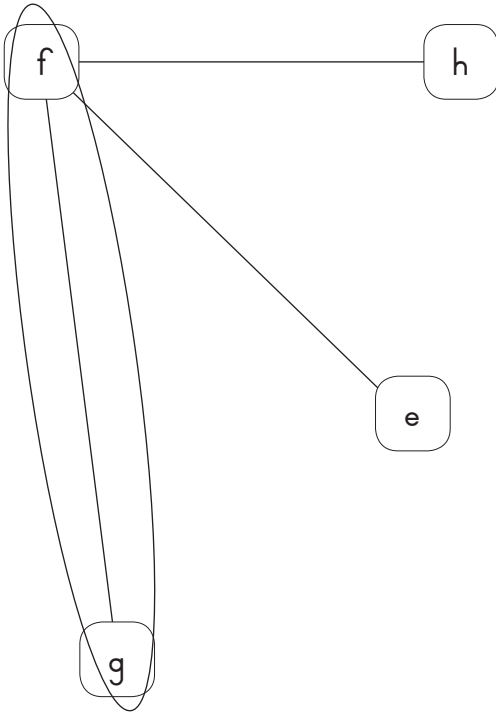
**Imisebenzi yophuculo 4.12**

Sebenzisa amanani ukubona ukuba ungenza izibalo ezingaphi ekungaphuma u20 njengempendulo



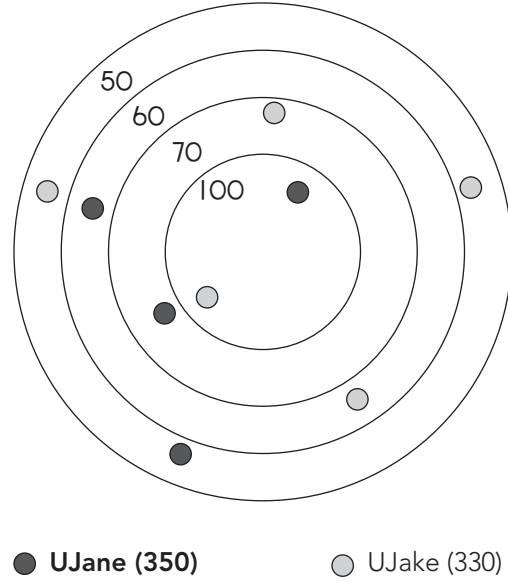
**Imisebenzi yophuculo 4.9: limpendulo**

Ngowuphi umgca omde kunayo yonke? Biyela impendulo yakho. E ukuya F; F ukuya G; okanye F ukuya H?



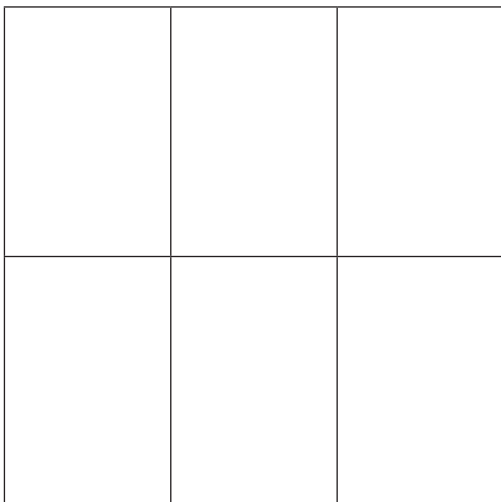
**Imisebenzi yophuculo 4.10: limpendulo**

UJane kunye noJake badlala amabhastile. Dibanisa amanqaku wabo ukubona ophumeleleyo



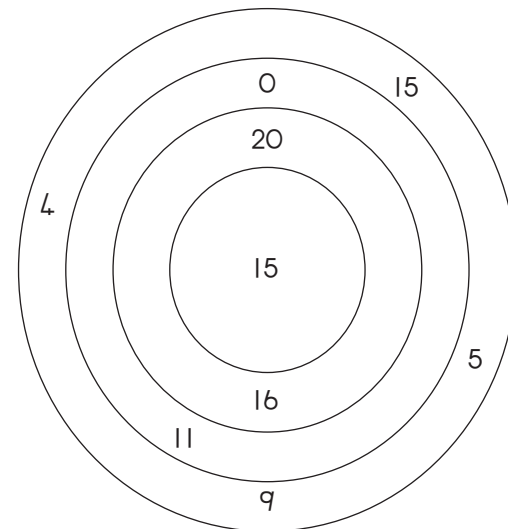
**Imisebenzi yophuculo 4.11: limpendulo**

Hlulahlula esi sikwere sibe zimilo ezibuxande ezi 4 ezincinci



**Imisebenzi yophuculo 4.12: limpendulo**

Sebenzisa izinombolo ukubona ukuthi zingaki izibalo ongazakha ngempendulo engama-20.



Ungenza izibalo ezi 4:  
 $20 + 0$ ,  $15 + 5$ ,  $11 + 9$ ,  $16 + 4$

**Imisebenzi yophuculo 4.13 limpendulo**

Tshatisa iingxaki kuBhloko A kunye neempendulo kuBhloko B.

Bhloko A	Bhloko B
$5 \times 4 =$	40
$20 \times 2 =$	18
$16 + 3 =$	0
$12 + 6 =$	63
$60 + 3 =$	23
$10 \times 7 =$	28
$40 \times 0 =$	70
$27 + 1 =$	20
$14 + 9 =$	19

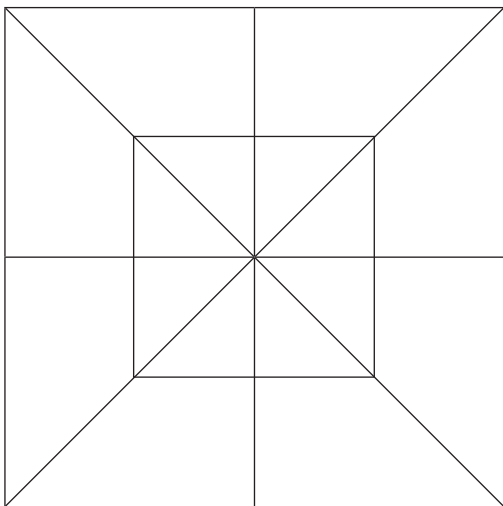
**Imisebenzi yophuculo 4.14 limpendulo**

Zama ubale ezi zibalo kwezi bhloko

+	8	1	50
2			
4			
6			
8			
10			

**Imisebenzi yophuculo 4.15 limpendulo**

Zingaphi  $\triangle$  ozibonayo?



- Oonxantathu abanga 12
- Oonxantathu abanga 26
- Oonxantathu abanga 33
- Oonxantathu abanga 20

**Imisebenzi yophuculo 4.16 iimpendulo**

Tshatisa la manani kunye namanani magama.

Amanani	Amanani magama
20	Amashumi amabini
10	Ishumi
90	Amashumi alithoba
19	Ishumi elinethoba
12	Ishumi elinesibini
14	Ishumi elinesine
40	Amashumi amane

**Imisebenzi yophuculo 4.13: limpendulo**

Tshatisa iingxaki kuBhloko A kunye neempendulo kuBhloko B.

Bhloko A	Bhloko B
$5 \times 4 =$	40
$20 \times 2 =$	18
$16 + 3 =$	0
$12 + 6 =$	63
$60 + 3 =$	23
$10 \times 7 =$	28
$40 \times 0 =$	70
$27 + 1 =$	20
$14 + 9 =$	19

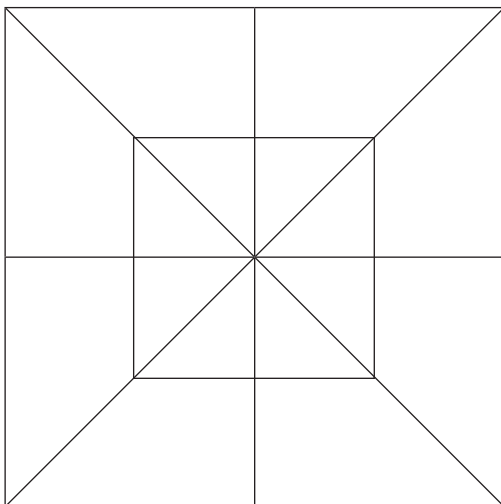
**misebenzi yophuculo 4.14: limpendulo**

Zama ubale ezi zibalo kwezi bhloko

+	8	1	50
2	10	3	52
4	12	5	54
6	14	7	56
8	16	9	58
10	18	11	60

**misebenzi yophuculo 4.15: limpendulo**

Zingaphi  $\triangle$  ozibonayo??



Oonxantathu abanga-26

**Imisebenzi yophuculo 4.16: limpendulo**

Tshatisa la manani kunye namanani magama..

Izinombolo	Amanani magama
20	Amashumi amabini
10	Ishumi
90	Amashumi alithoba
19	Ishumi elinethoba
12	Ishumi elinesibini
14	Ishumi elinesine
40	Amashumi amane

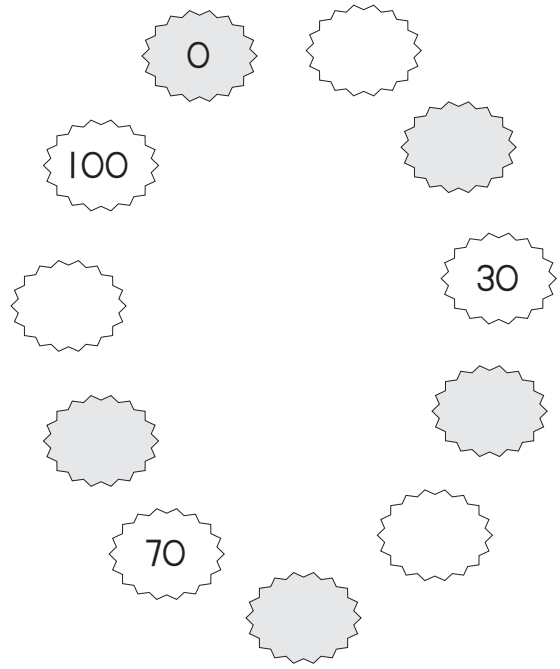
**Imisebenzi yophuculo 4.17**

Gqibezela le thebhile ngokuthi ubale ezi zibalo

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

**Imisebenzi yophuculo 4.18**

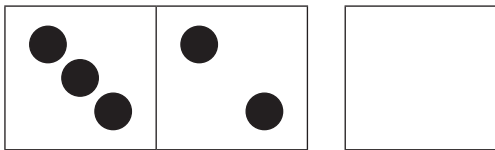
Gqibezela le pateni.



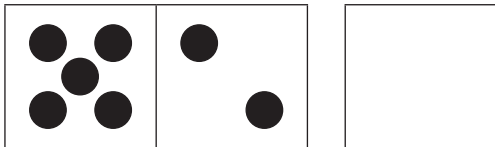
**Imisebenzi yophuculo 4.19**

Phinda- phinda amachaphaza kwiidomino kwaye ufakele neempendulo.

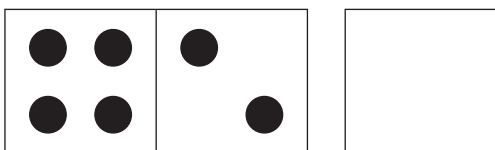
Zizakubangaphi



Zizakubangaphi?

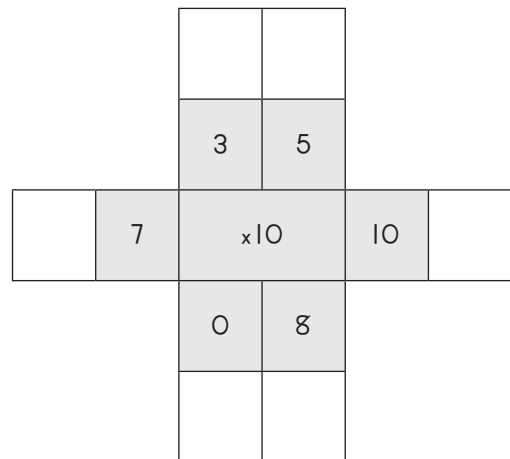


Zizakubangaphi?



**Imisebenzi yophuculo 4.20**

Phinda-phinda inani eliphakathi ngenani elingaphandle.





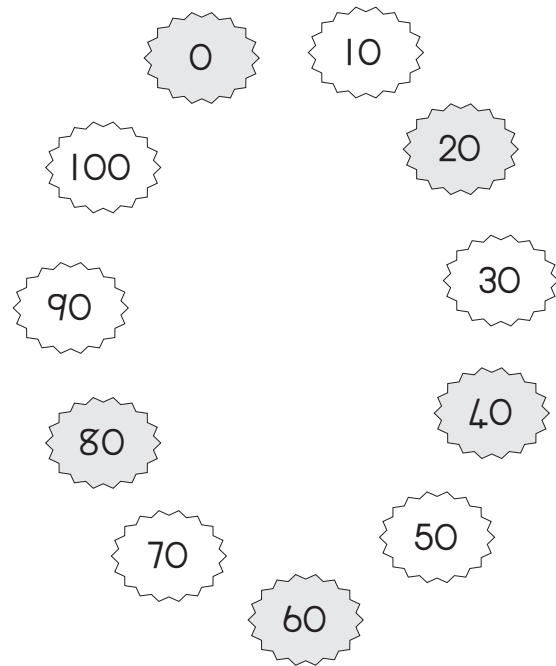
**Imisebenzi yophuculo 4.17: limpendulo**

Gqibezela le thebhile ngokuthi wenze ezi zibalo

x	5	4	2
1	5	4	3
2	10	8	4
4	15	7	12
4	20	16	8
5	25	20	10
6	30	24	12
7	35	28	14
8	40	32	16
9	45	36	18
10	50	40	20

**Imisebenzi yophuculo 4.18: limpendulo**

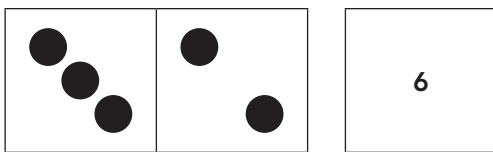
Gqibezela le pateni.



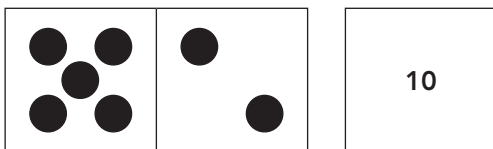
**Imisebenzi yophuculo 4.19: limpendulo**

Phinda- phinda amachaphaza kwiidomino kwaye ufakele neempendulo.

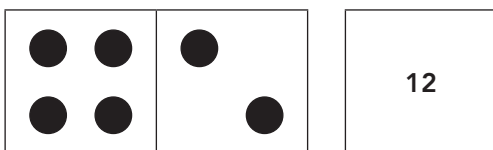
Zizakubangaphi?



Zizakubangaphi?



Zizakubangaphi?



**Imisebenzi yophuculo 4.20: limpendulo**

Phinda-phinda inani eliphakathi ngenani elingaphandle

		30	50		
		3	5		
70	7	x10		10	100
		0	8		
		0	80		

**Imisebenzi yophuculo 4.21**

Bala oku kulandelayo kwaye uzobe umgca oya kwimpendulo

$14 + 1 =$

20

$13 + 20 =$

15

$17 + 3 =$

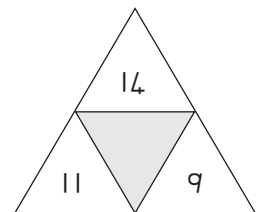
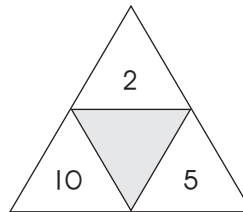
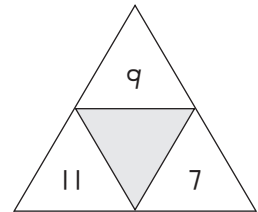
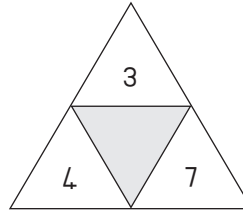
26

$19 + 7 =$

33

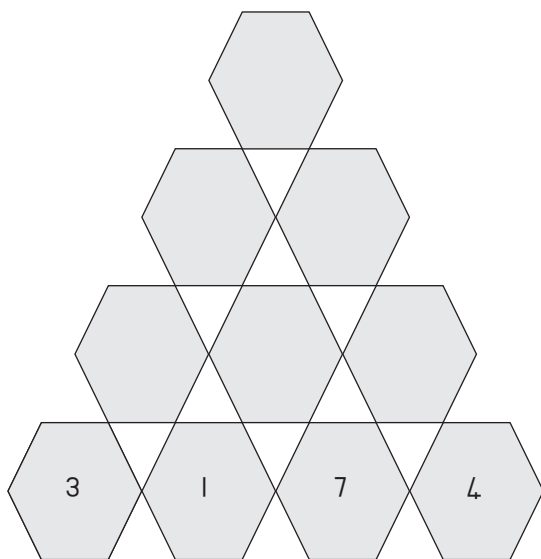
**Imisebenzi yophuculo 4.22**

Dibanisa amanani ukufumana inani eliphakathi



**Imisebenzi yophuculo 4.23**

Inani kunxantandathu ngamnye lenziwe ngokudibanisa amanani akonxantandathu ababini ngaphantsi. Bala amanani angekhoyo



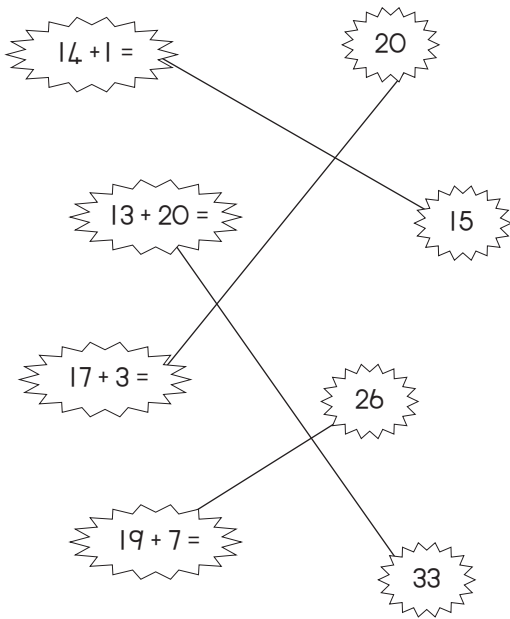
**Imisebenzi yophuculo 4.24**

Bala kumqolo ngamnye wephazile. Fakela iimpendulo. Bala ikholam nganye yephazile

14	+	2	=	
+		+		+
3	+	7	=	
=		=		=
	+		=	

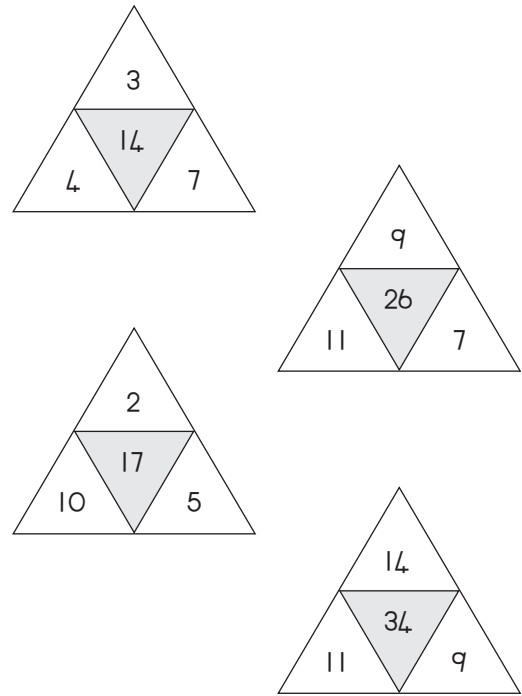
**Imisebenzi yophuculo 4.21: Iimpendulo**

Bala oku kulandelayo kwaye uzobe umgca oya kwimpendulo



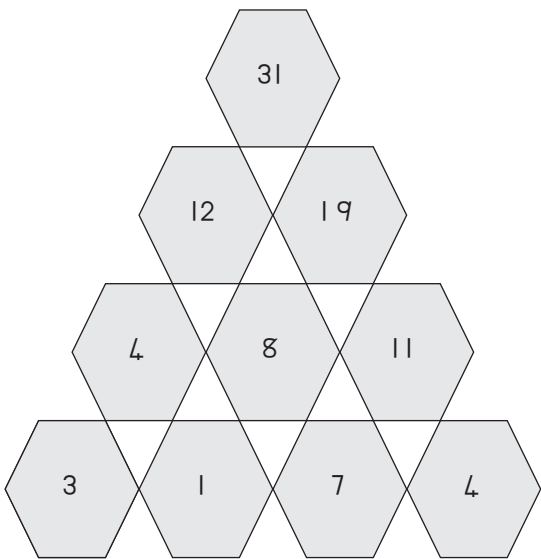
**Imisebenzi yophuculo 4.22: Iimpendulo**

Dibanisa amanani ukufumana inani eliphakathi



**Imisebenzi yophuculo 4.23: Iimpendulo**

Inani kunxantandathu ngamnye lenziwe ngokudibanisa amanani akonxantandathu ababini ngaphantsi. Bala amanani angekhoyo



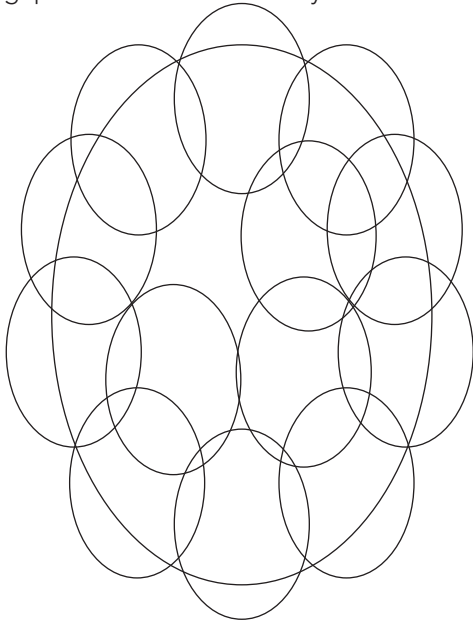
**Imisebenzi yophuculo 4.24: Iimpendulo**

Bala kumqolo ngamnye wephazile. Fakela iimpendulo. Bala ikholam nganye yephazile

14	+	2	=	16
+		+		+
3	+	7	=	10
=		=		=
17	+	9	=	26

**Imisebenzi yophuculo 4.25**

Zingaphi ezimbhoxo ozibonayo?



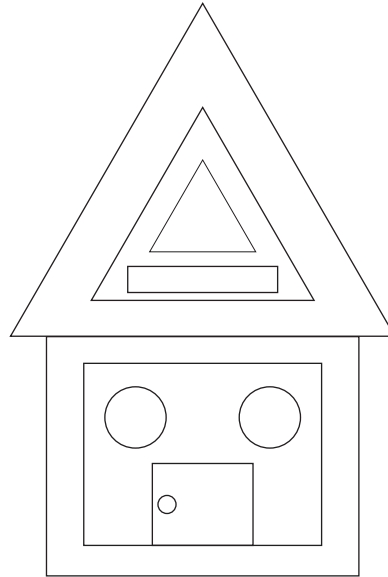
11      24      14

**Imisebenzi yophuculo**

Faka umbala      obomvu

Faka umbala ○ omthubi

Faka umbala △ omzuba



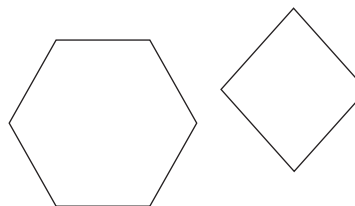
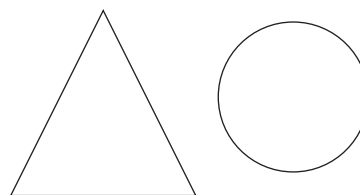
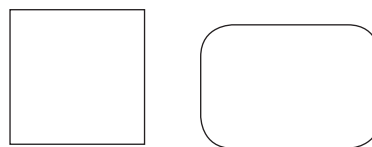
**Imisebenzi yophuculo 4.27**

Biza iimilo ezohlukeneyo.



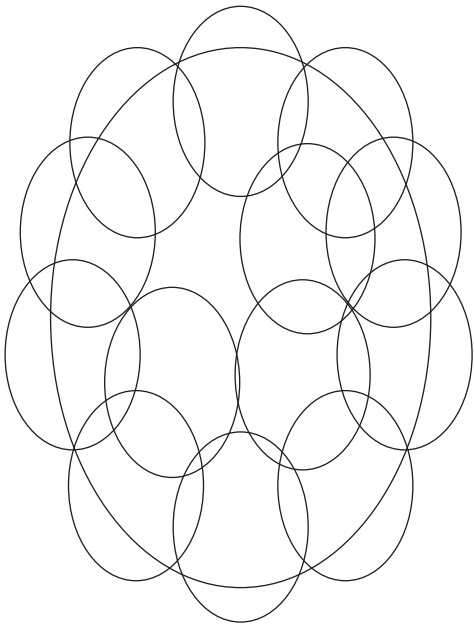
**Imisebenzi yophuculo 4.28**

Sebenzisa ezi milo ukuzoba umfanekiso.



**Imisebenzi yophuculo 4.25: limpendulo**

Zingaphi ezimbhoxo ozibonayo?



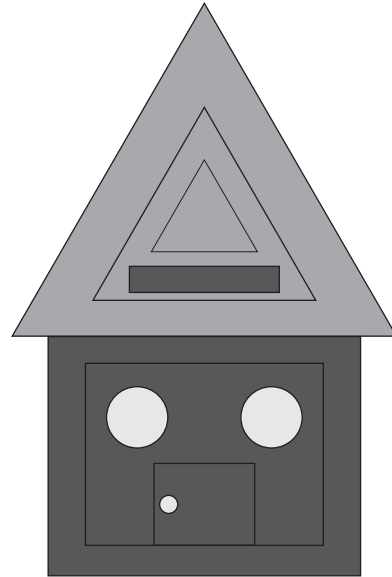
11      24      **14**

**Imisebenzi yophuculo 4.26: limpendulo**

Faka umbala .obomvu

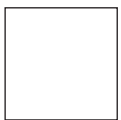
Faka umbala  omthubi

Faka umbala . omzuba

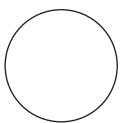


**Imisebenzi yophuculo 4.27: limpendulo**

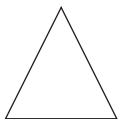
Biza iimilo ezohlukeneyo.



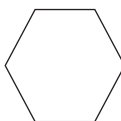
**Isikwere**



**Isangqa**



**Unxantathu**

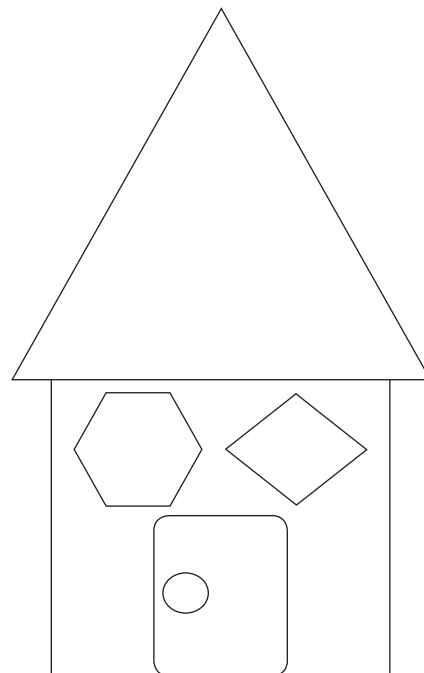


**Unxantandathu**

**Imisebenzi yophuculo 4.28: limpendulo**

Sebenzisa ezi milo ukuzoba umfanekiso.

limpendulo zizakwehlukana.



**Imisebenzi yophuculo 4.29**

Yongeza umqolo wamanani ukufumana iimpendulo

**Imisebenzi yophuculo 4.30**

Bhala amagama manani alandelayo.

8	
2	
3	
7	
9	
10	
15	
12	
30	
25	
100	

**Imisebenzi yophuculo 4.31**

Bala uzobe ama 10 angaphezu ngezixhobo zokubala gasekunene.

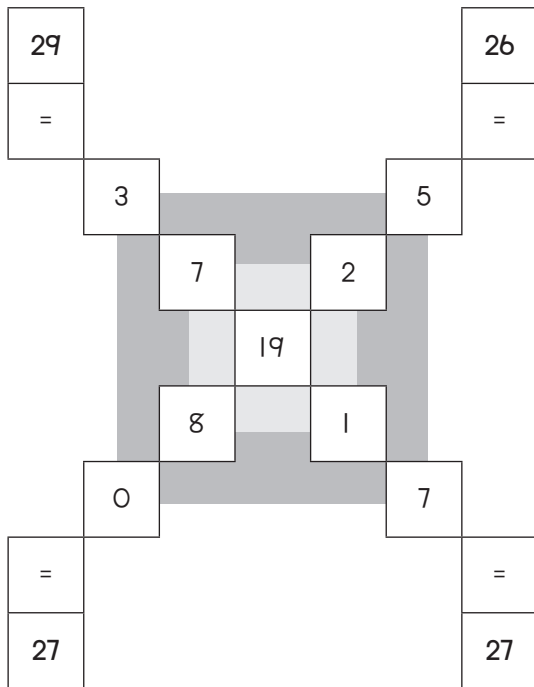
**Imisebenzi yophuculo 4.32**

Leliphi inani elikhulu? Biyela ngesangqa inani kwipere nganye.

10	okanye	100
12	okanye	21
15	okanye	51
16	okanye	61
31	okanye	13
17	okanye	72
20	okanye	21
52	okanye	25
10	okanye	1

**Imisebenzi yophuculo 4.29: Iimpendulo**

Yongeza umqolo wamanani ukufumana iimpendulo.



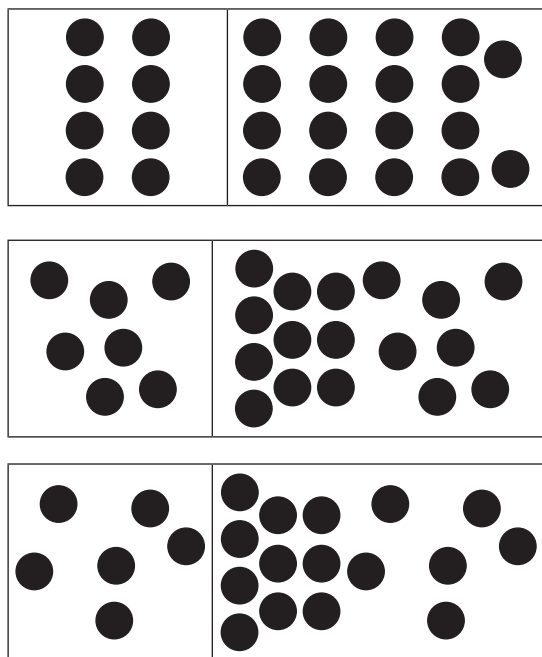
**Imisebenzi yophuculo 4.30: Iimpendulo**

Bhala amagama walamanani alandelayo.

8	sibhozo
2	mbini
3	ntathu
7	sixhenxe
9	thoba
10	shumi
15	ishumi elinesihlanu
12	ishumi elinambini
30	amashumi amathathu
25	amashumi amabini anesihlanu
100	Ikhulu

**Imisebenzi yophuculo 4.31: Iimpendulo**

Bala uzobe ama 10 angaphezu ngezixhobo zokubala ngasekunene



**Imisebenzi yophuculo 4.32: Iimpendulo**

Leliphi inani elikhulu? Biyela ngesangqa inani kwipere nganye.

- 10 okanye (100)
- 12 okanye (21)
- 15 okanye (51)
- 16 okanye (61)
- (31) okanye 13
- 17 okanye (72)
- 20 okanye (21)
- (52) okanye 25
- (10) okanye 1