

GRADE 1

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 this term. You need to make sure that you have them for the lessons for which they are recommended.

1. Flard cards – tens and units (Lessons 1–5)
2. Ball and box shapes (Lesson 15)
3. Number board 1–100 (Lesson 20)
4. Number line 0–20 (Lesson 20)
5. 5x table number cards (Lesson 21)
6. 2x table number cards (Lesson 21)
7. 10x table number cards (Lesson 21)
8. 2-D shapes – squares (Lesson 32)
9. 2-D shapes – circles (Lesson 32)
10. 2-D shapes – triangles (Lesson 32)
11. 2-D shapes – squares, circles and triangles (Lesson 33)
12. Symmetry pictures (Lesson 35)
13. Days of the week (Lesson 38)
14. Months of the year (Lesson 38)

Resources for each day of teaching

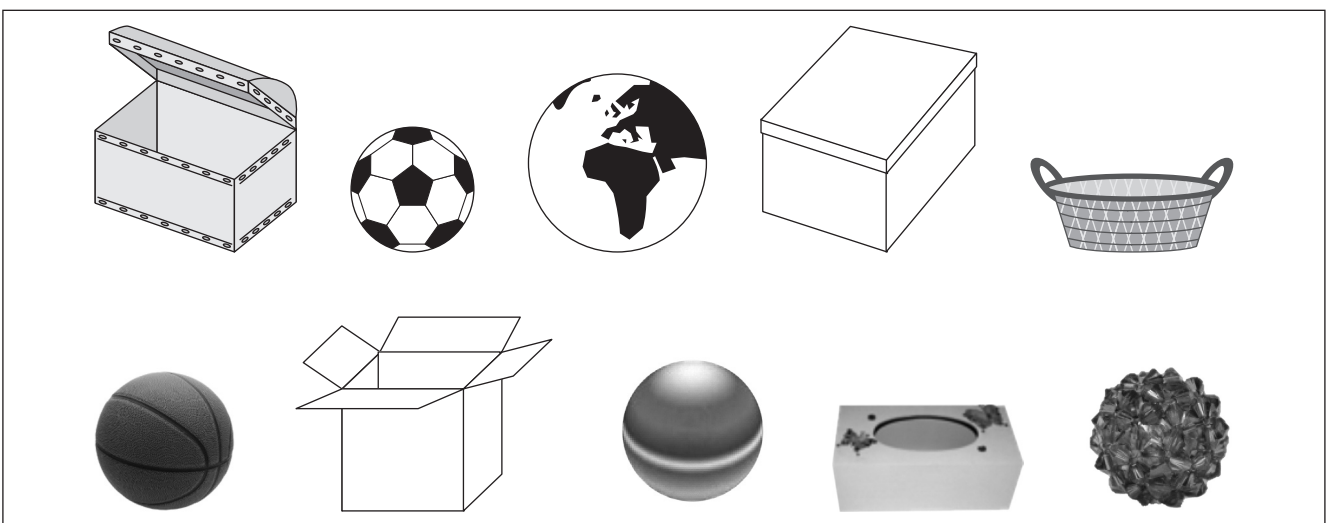
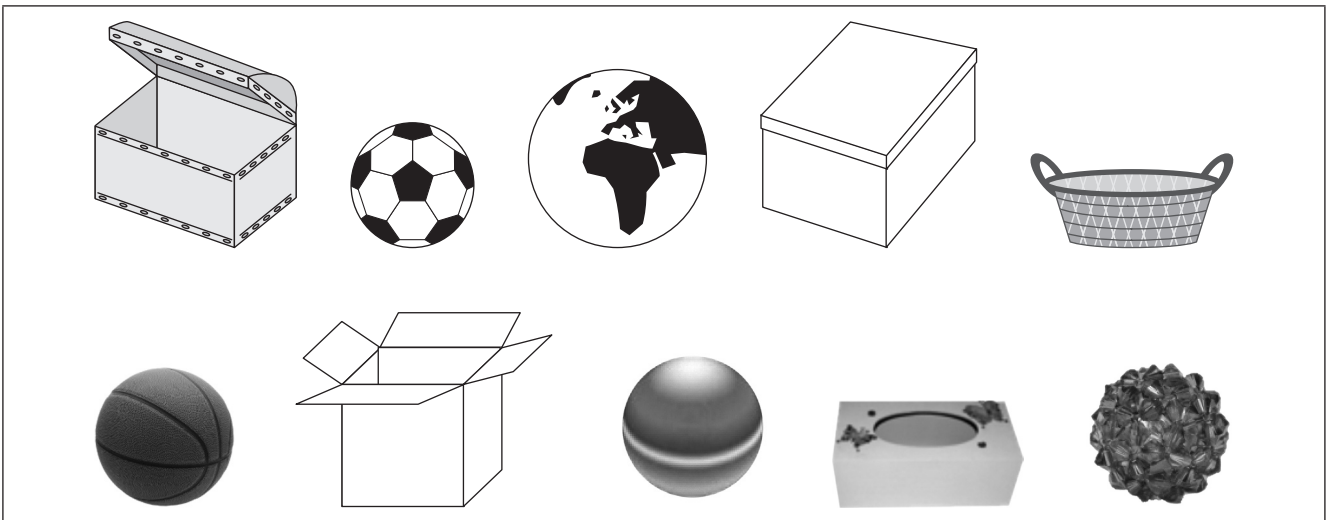
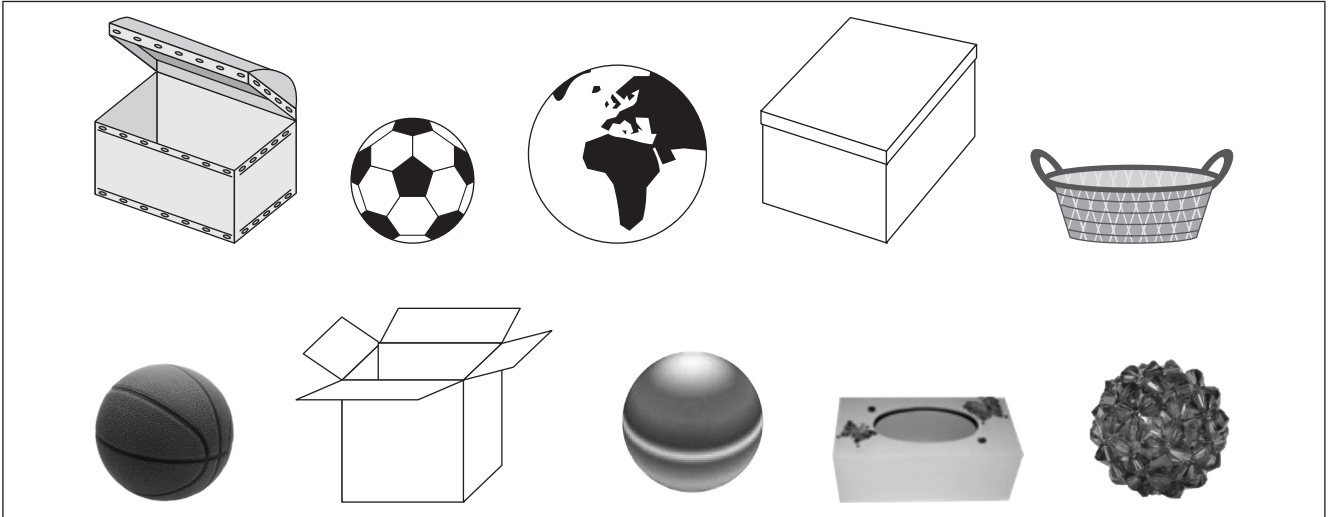
There are also other resources such as informal resources (old magazines, pieces of string, scrap paper, etc.) that you may need in certain lessons. You should have a careful look at the list of resources needed for each lesson; this list is given in the lesson plans each day. Prepare yourself, so that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

1. Oonotsheluzi – amashumi nemivo (Izifundo 1–5)

60	6
70	7
80	8
90	9

10	1
20	2
30	3
40	4
50	5

2. limilo ezibubhokisi nezibubhola (Isifundo 15)



3. Ibhodi yamanani 1–100 (Isifundo 20)

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

4. Umgca manani 0–20 (Isifundo 20)



5. 5x amakhadi wamanani (Isifundo 21)

5

10

15

20

25

30

35

40

45

50

55

60

65

70

75

80

85

90

95

100

6. 2x amakhadi wamanani (Isifundo 21)

2	4	6	8	10	12	14
16	18	20	22	24	24	28
30	32	34	36	38	40	42
44	46	48	50	52	54	56
58	60	62	64	66	68	70
72	74	76	78	80	82	84
86	88	90	92	94	96	98
100						

7. 10x amakhadi wamanani (Isifundo21)

10

20

30

40

50

60

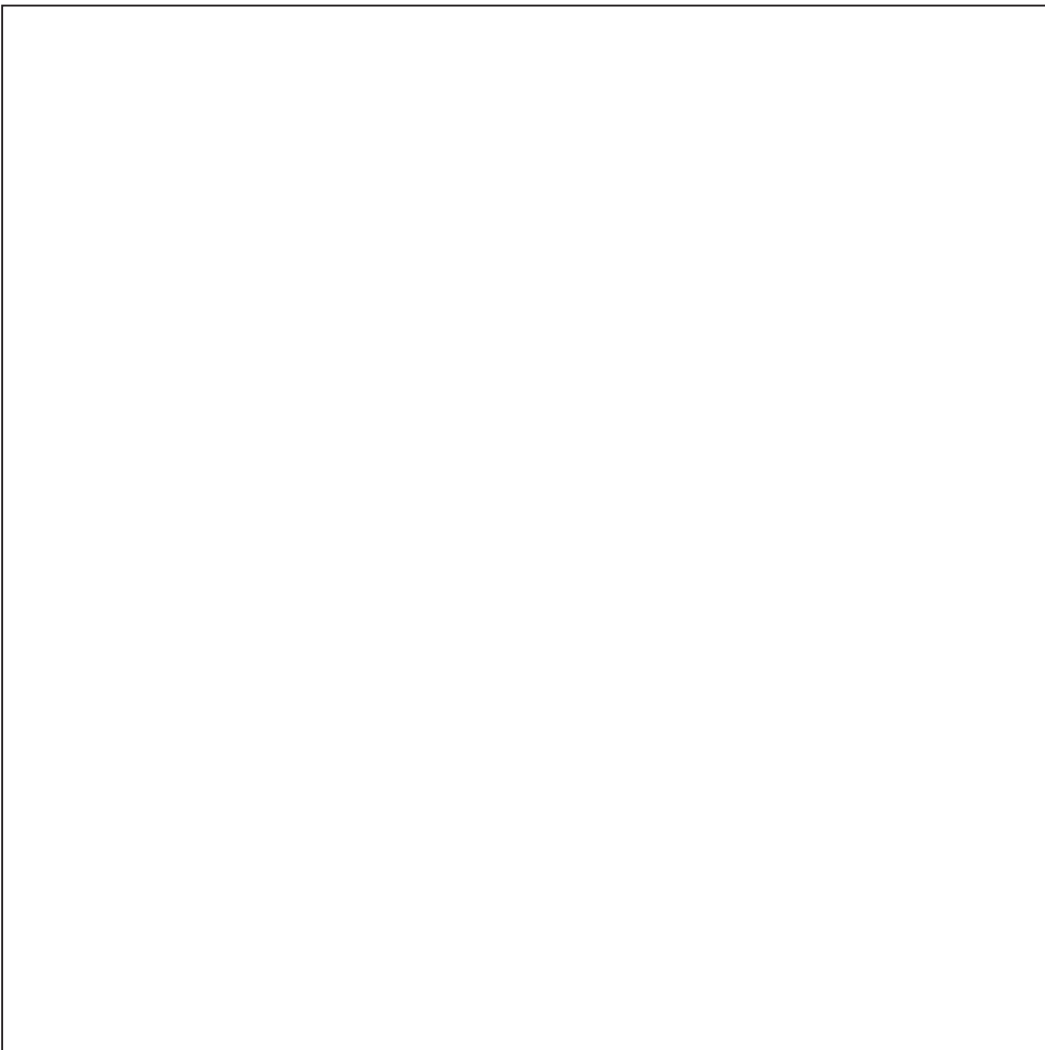
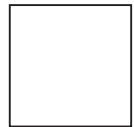
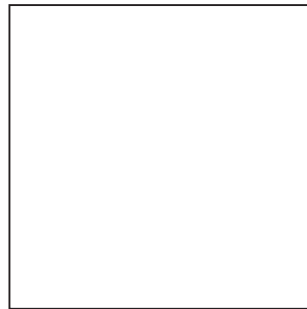
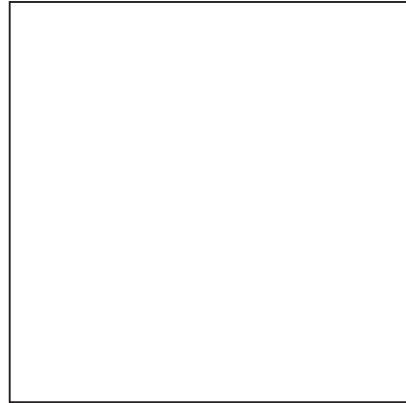
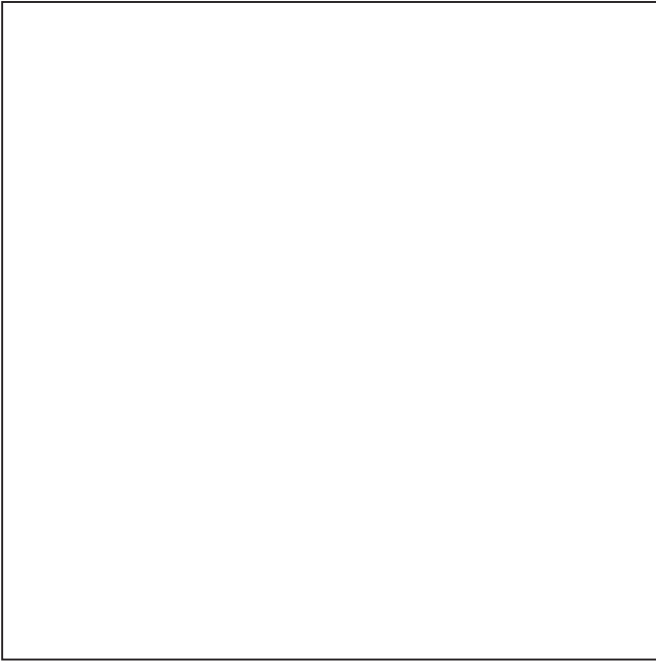
70

80

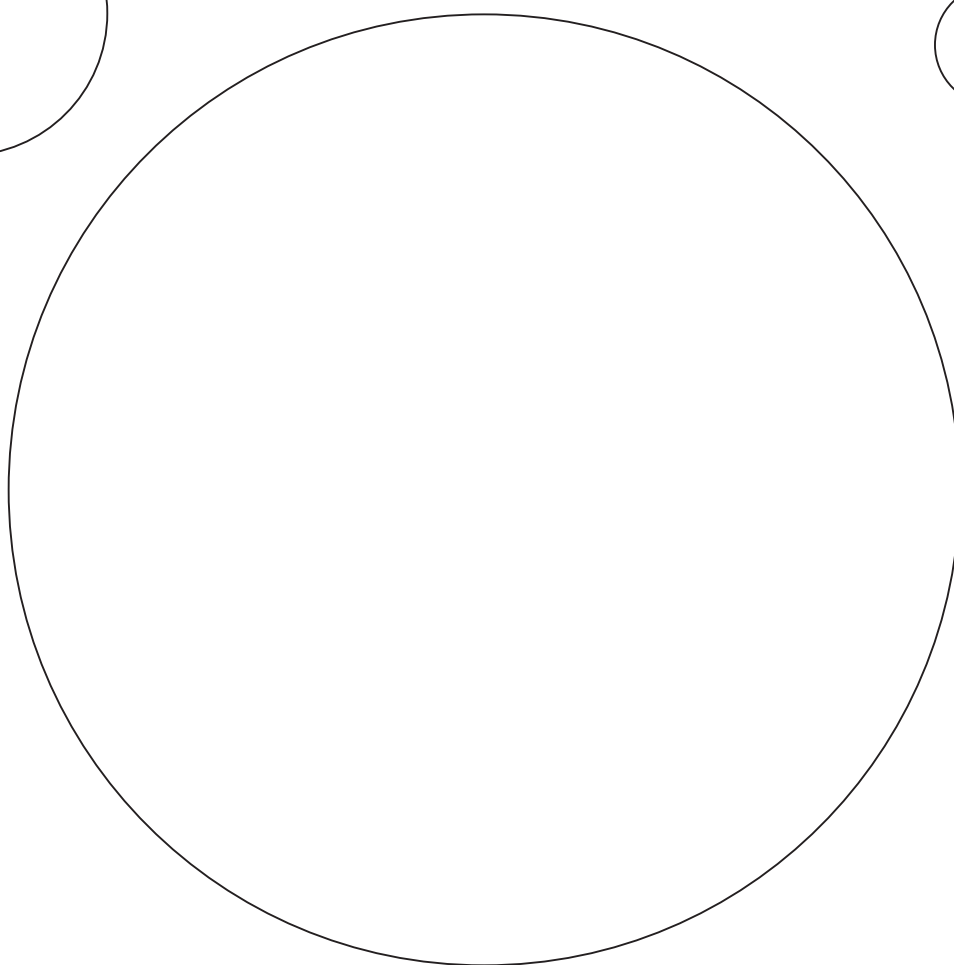
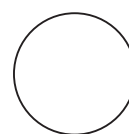
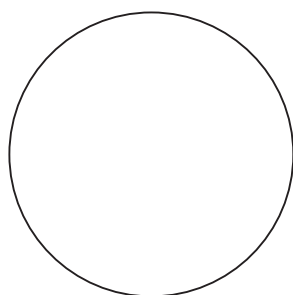
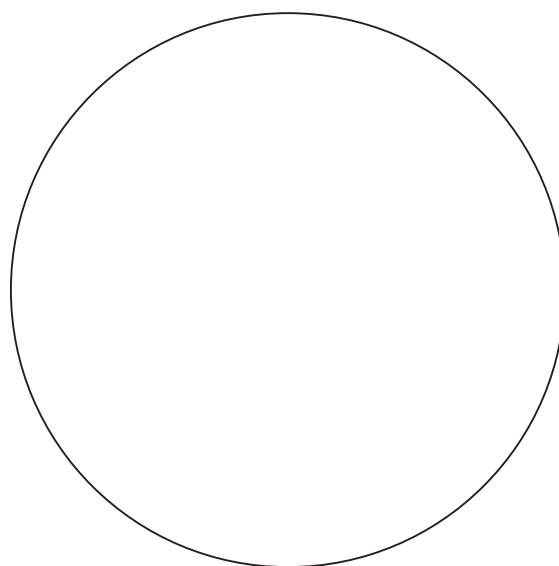
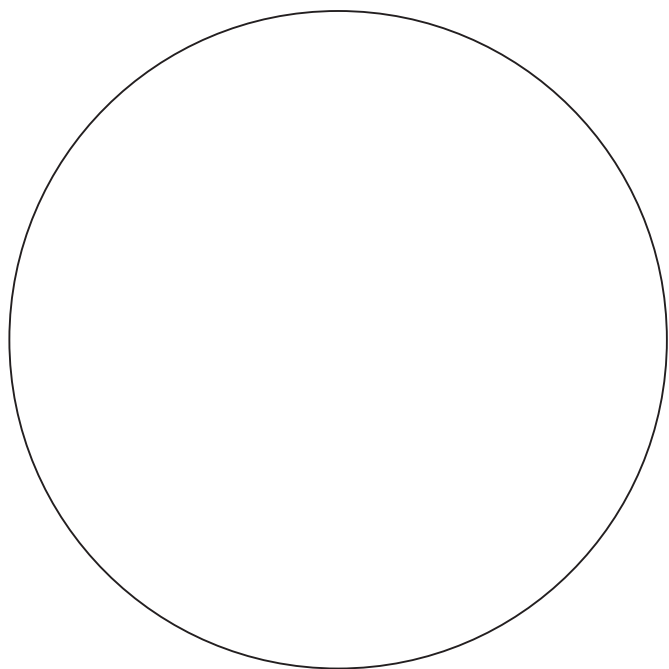
90

100

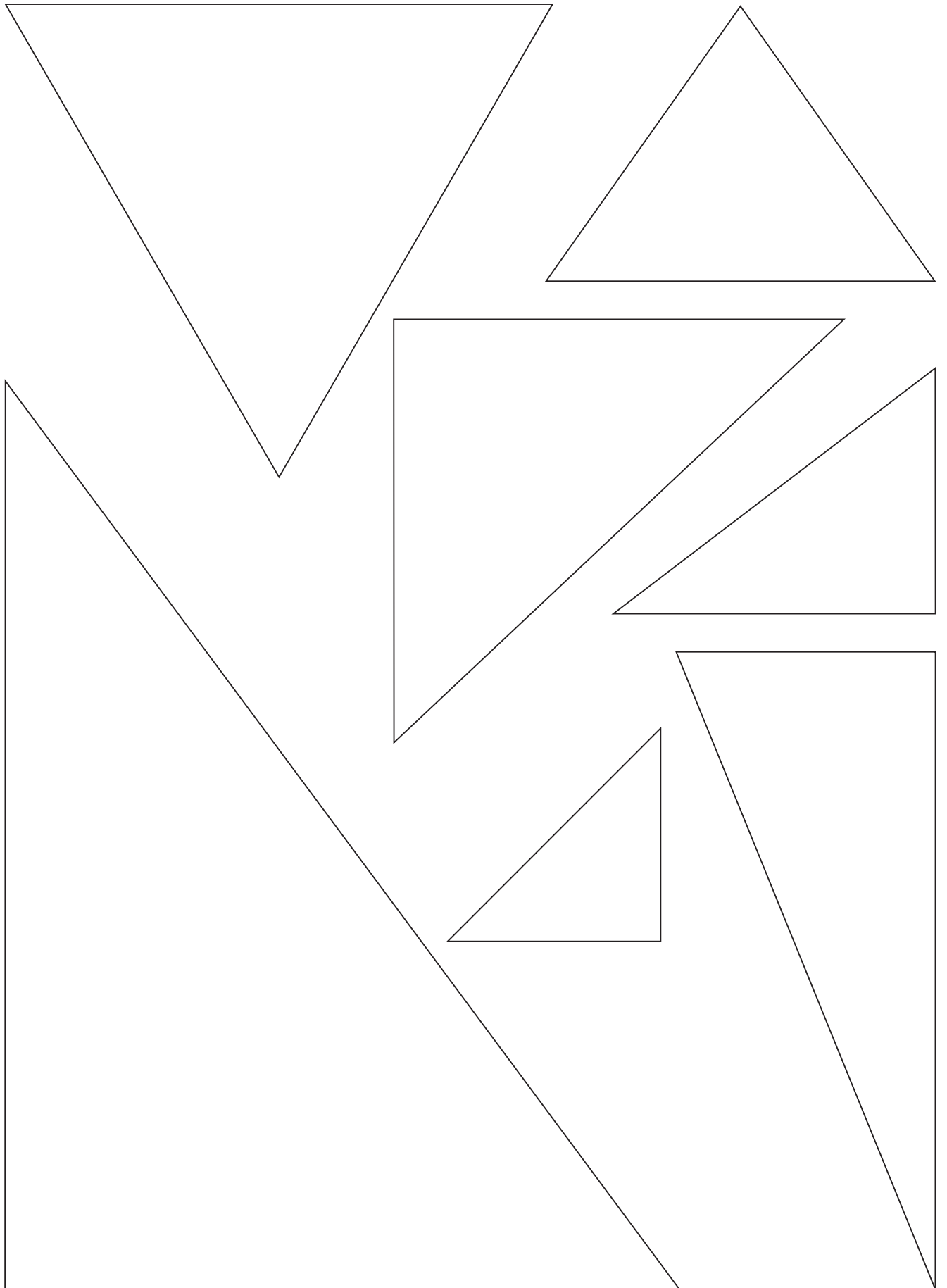
8. 2-D iimilo – ezizikwere (Isifundo 32)



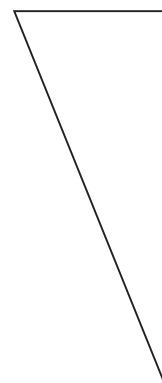
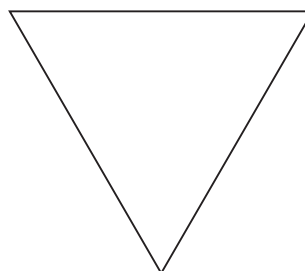
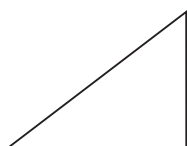
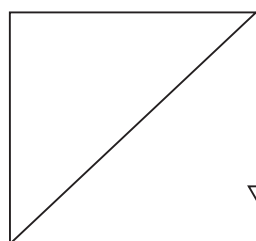
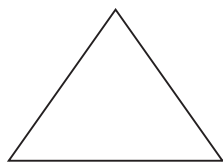
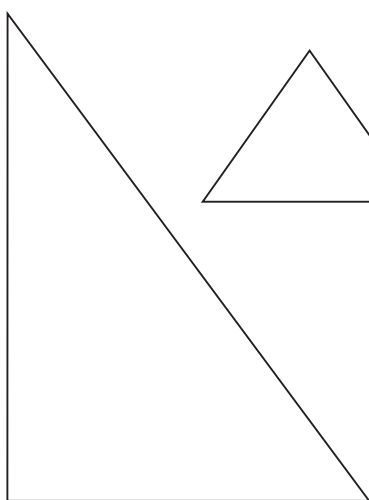
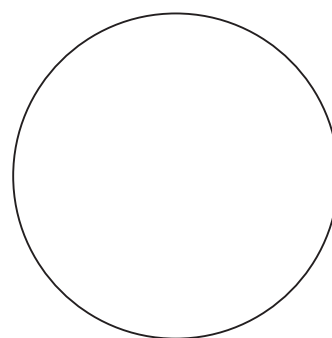
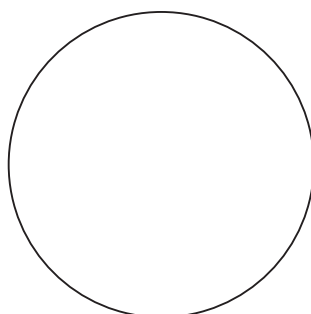
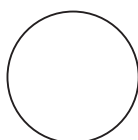
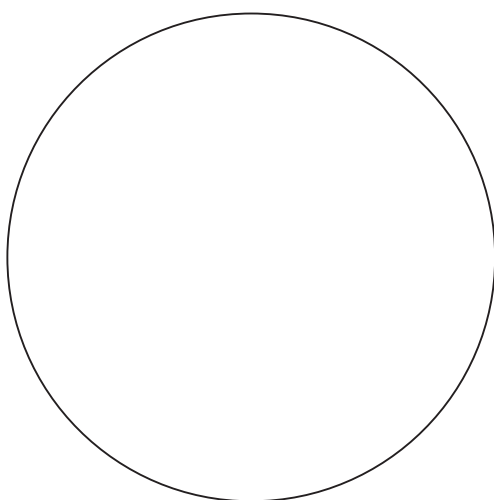
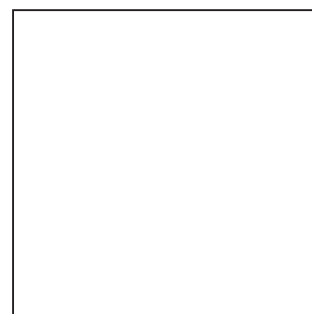
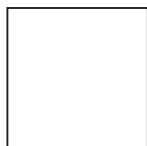
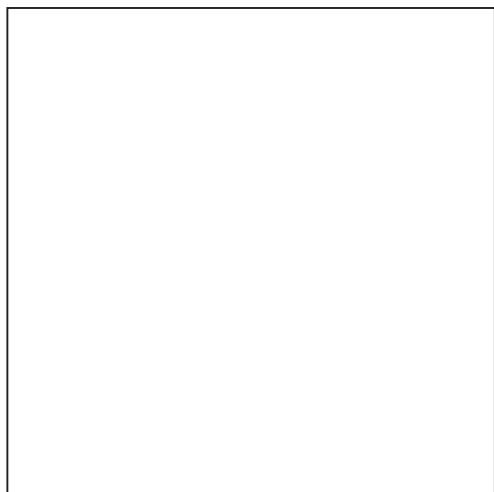
9. 2-D iimilo – izangqa (Isifundo 32)



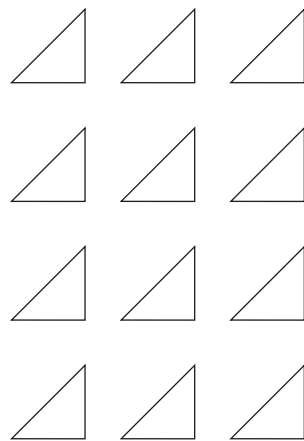
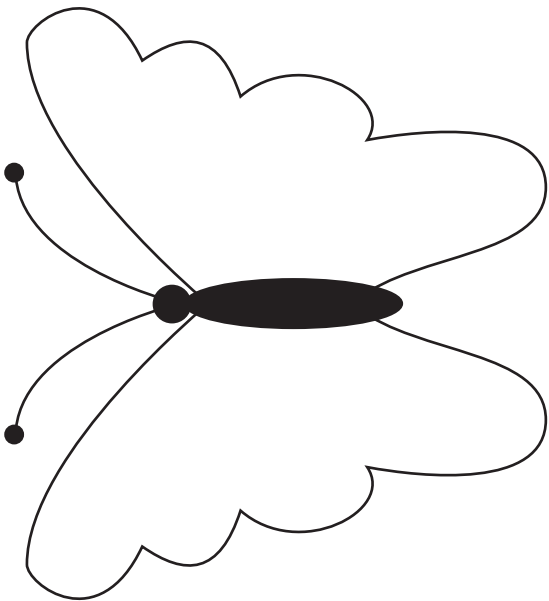
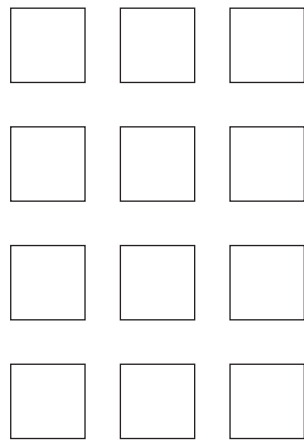
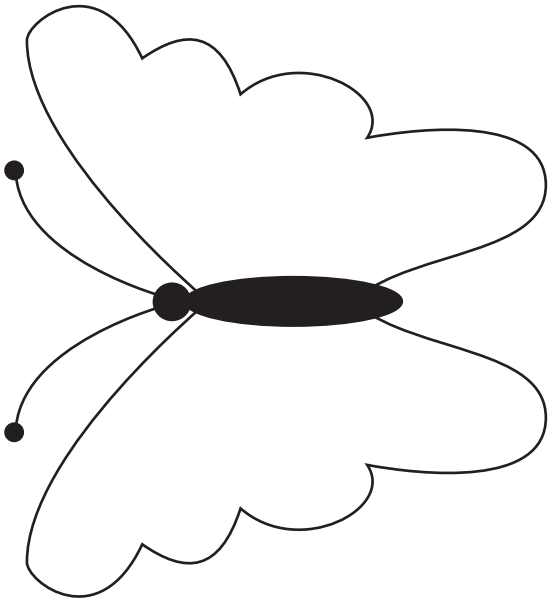
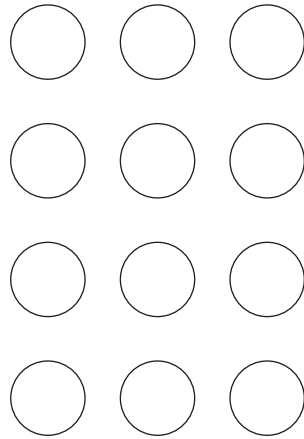
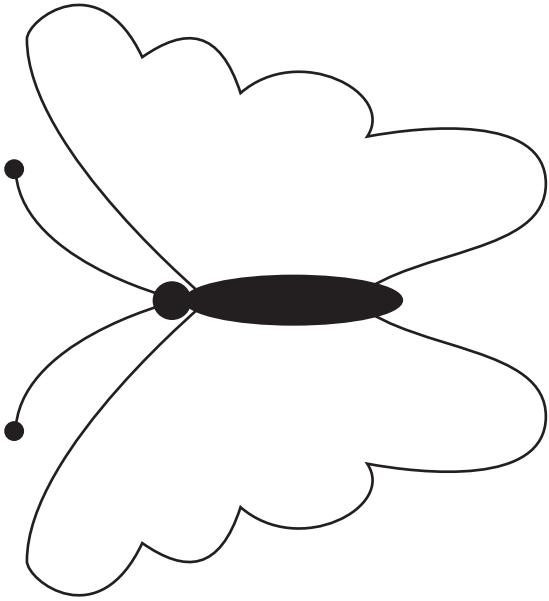
10. 2-D iimilo – oonxantathu (Isifundo 32



11. 2-D iimilo – izikwere, izangqa kunye noonxantathu (Isifundo 33)



12. Imifanekiso yokulinganayo (Isifundo 35)



13. Days of the week (Lesson 38)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

13. Intsuku zeveki (Isifundo 38)

uMvulo

uLwesibini

uLwesithathu

uLwesine

uLwesihlanu

uMgqibelo

Icawa

14. Months of the year (Lesson 38)

January

February

March

April

May

June

July

August

September

October

November

December

14. Inyanga zonyaka(Isifundo 38)

EyoMqungu

EyoMdumba

EyoKwindla

UTshazimpunzi

UCanzibe

Isilimela

EyeKhala

EyeThupha

EyoMsintsi

EyeDwarha

EyeNkanga

EyoMnga

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

Order from biggest to smallest

Ikhadi loku 1 Lomceli-mngeni kwezezibalo

Landelanisa ukusuka kwenkulu ukuya kwencinane

1. 18, 11, 15
2. 2, 20, 12
3. 17, 19, 14
4. 13, 16, 9
5. 15, 18, 20
6. 0, 11, 1
7. 20, 0, 10
8. 12, 11, 17
9. 9, 16, 19
10. 8, 15, 13

Maths Challenge Card 2

2 more than

Ikhadi lesi 2 Lomceli-mngeni kwezezibalo

Okuninzi ka-2 kunoku

1. 17
2. 11
3. 14
4. 9
5. 12
6. 18
7. 15
8. 10
9. 13
10. 16

Maths Challenge Card 3

2 less than

Ikhadi lesi 3 Lomceli-mngeni kwezezibalo

Okuncinane ka-2 kunoku

1. 17
2. 14
3. 20
4. 16
5. 15
6. 12
7. 18
8. 13
9. 11
10. 19

Maths Challenge Card 4

Double/Use doubles

Ikhadi lesi 4 Lomceli-mngeni kwezezibalo

Phinda kabini

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

Maths Challenge Card 1: Answers

Order from biggest to smallest

Ikhadi loku 1 Lomceli-mngeni kwezezibalo: limpendulo

Landelanisa ukusuka kwenkulu ukuya
kwencinane

1. 18, 15, 11
2. 20, 12, 2
3. 19, 17, 14
4. 16, 13, 9
5. 20, 18, 15
6. 11, 1, 0
7. 20, 10, 0
8. 17, 12, 11
9. 19, 16, 9
10. 15, 13, 8

Maths Challenge Card 2: Answers

2 more than

Ikhadi lesi 2 Lomceli-mngeni kwezezibalo: limpendulo

Okuninzi ka-2 kunoku

1. 19
2. 13
3. 16
4. 11
5. 14
6. 20
7. 17
8. 12
9. 15
10. 18

Maths Challenge Card 3: Answers

2 less than

Ikhadi lesi 3 Lomceli-mngeni kwezezibalo limpendulo

Okuncinane ka-2 kunoku

1. 15
2. 12
3. 18
4. 14
5. 13
6. 10
7. 16
8. 11
9. 9
10. 17

Maths Challenge Card 4: Answers

Double/Use doubles

Ikhadi lesi 4 Lomceli-mngeni kwezezibalo limpendulo

Phinda kabili

1. 14
2. 12
3. 18
4. 16
5. 10
6. 20
7. 17
8. 13
9. 19
10. 15

Maths Challenge Card 5

Halve/Find half

Ikhadi lesi 5 Lomceli-mngeni kwezezibalo

Fumana ihafu

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

Maths Challenge Card 6

Add

Ikhadi lesi 6 Lomceli-mngeni kwezezibalo

Dibanisa

1. $7 + \underline{\quad} = 10$
2. $10 + \underline{\quad} = 10$
3. $2 + \underline{\quad} = 10$
4. $9 + \underline{\quad} = 10$
5. $5 + \underline{\quad} = 9$
6. $6 + \underline{\quad} = 10$
7. $3 + \underline{\quad} = 9$
8. $5 + \underline{\quad} = 7$
9. $5 + \underline{\quad} = 10$
10. $0 + \underline{\quad} = 8$

Maths Challenge Card 7

Subtract

Ikhadi lesi 7 Lomceli-mngeni kwezezibalo

Thabatha

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

Maths Challenge Card 8

Add and subtract 0–10

Ikhadi lesi 8 Lomceli-mngeni kwezezibalo

Dibanisa kwaye uthabathe 0–10

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

Maths Challenge Card 5: Answers

Halve/Find half

Ikhadi lesi 5 Lomceli-mngeni kwezezibalo : limpendulo

Fumana ihafu

1. 10
2. 7
3. 4
4. 6
5. 8 and 1 left over / Ku-8 okushiyekileyo e-1
6. 9
7. 5
8. 3
9. 9 and 1 left over / Ku-9 okushiyekileyo e-1
10. 8

Maths Challenge Card 6: Answers

Add

Ikhadi lesi 6 Lomceli-mngeni kwezezibalo : limpendulo

Dibanisa

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

Maths Challenge Card 7: Answers

Subtract

Ikhadi lesi 7 Lomceli-mngeni kwezezibalo 7: limpendulo

Thabatha

1. 15
2. 4
3. 7
4. 4
5. 4
6. 0
7. 6
8. 1
9. 3
10. 3

Maths Challenge Card 8: Answers

Add and subtract 0–10

Ikhadi lesi 8 Lomceli-mngeni kwezezibalo: limpendulo

Dibanisa uthabathe 0–10

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

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.

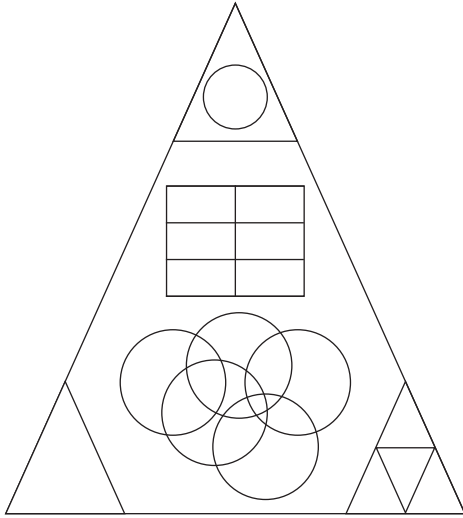
These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some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



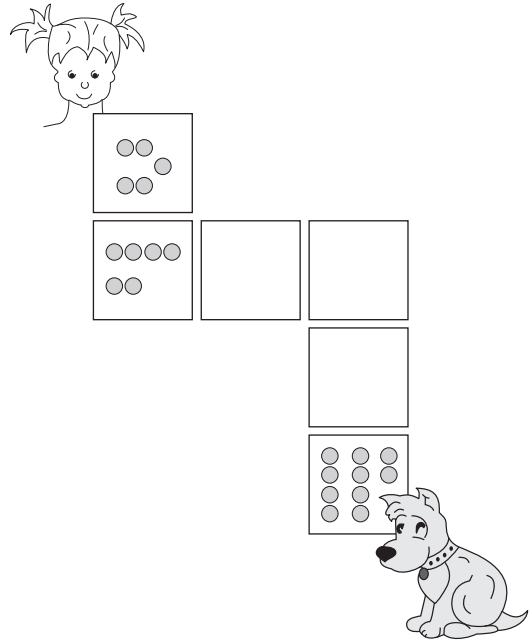
How many \triangle are there? _____

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 rest of the counters.



Enrichment Activity 4.3

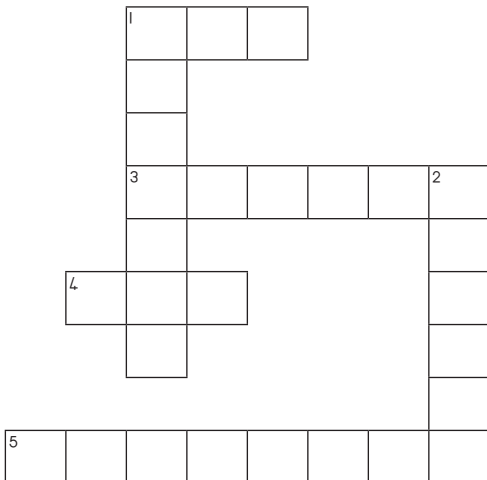
Work out the problems and complete the crossword puzzle by filling in the number names.

Down

1. $10 + 6 =$
2. $6 + 5 =$

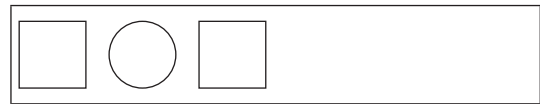
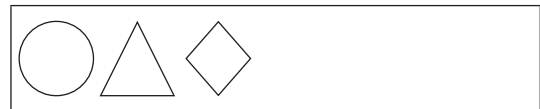
Across

1. $12 - 6 =$
3. $6 + 6 =$
4. $20 - 10 =$
5. $8 + 11 =$



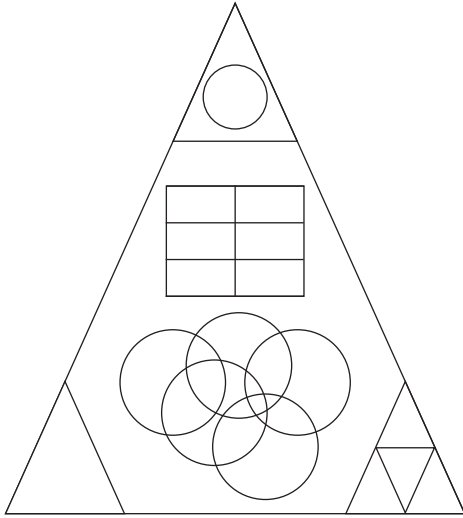
Enrichment Activity 4.4

Complete the following patterns.



Enrichment Activity 4.1: Answers

Count the different shapes.



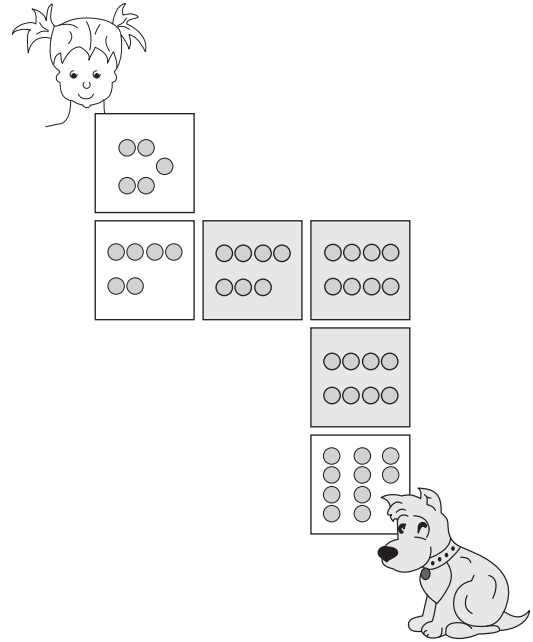
How many \triangle are there? (8)

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 rest of the counters.



Enrichment Activity 4.3: Answers

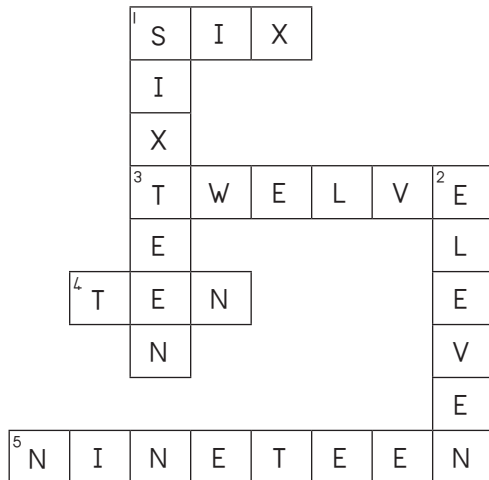
Work out the problems and complete the crossword puzzle by filling in the number names.

Down

1. $10 + 6 =$
2. $6 + 5 =$

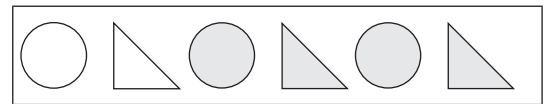
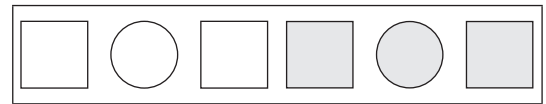
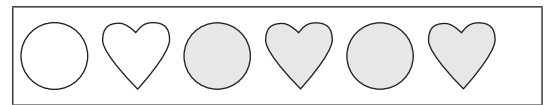
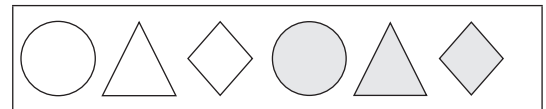
Across

1. $12 - 6 =$
3. $6 + 6 =$
4. $20 - 10 =$
5. $8 + 11 =$



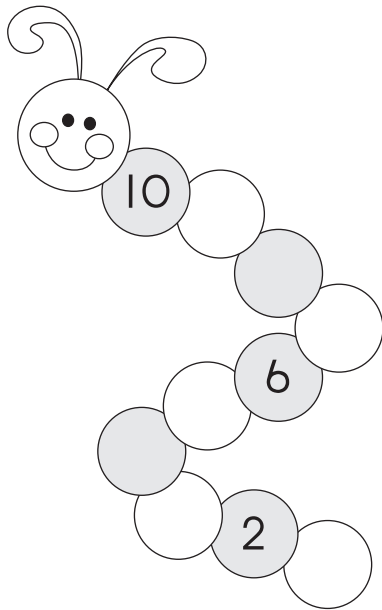
Enrichment Activity 4.4: Answers

Complete the following patterns.



Enrichment Activity 4.5

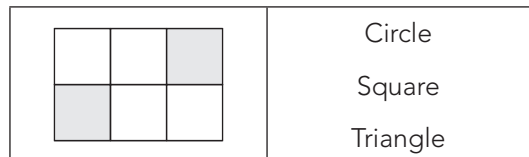
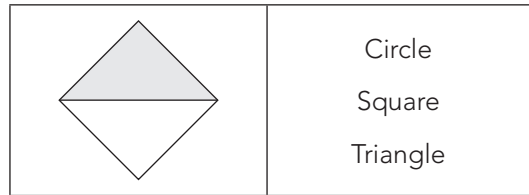
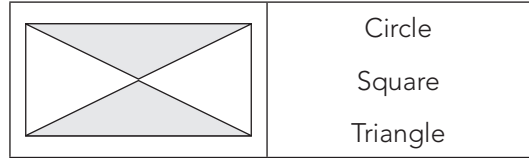
Work out the pattern to complete the worm.



Enrichment Activity 4.6

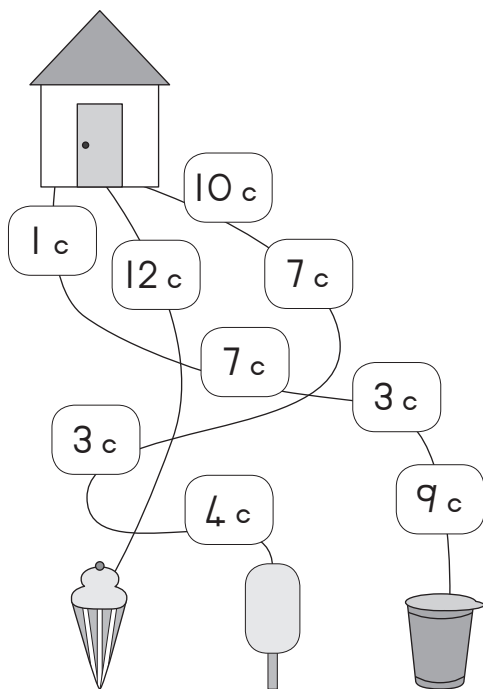
What shape or shapes are coloured?

Choose the correct answer.



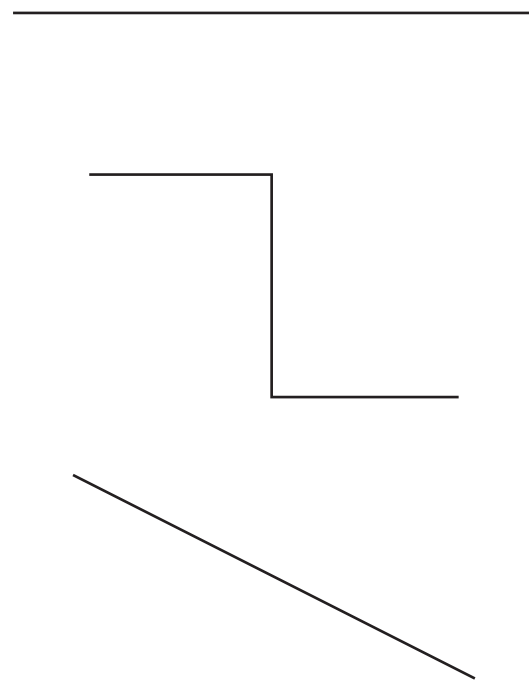
Enrichment Activity 4.7

Add up the money on each path and then circle the ice-cream that is the cheapest.



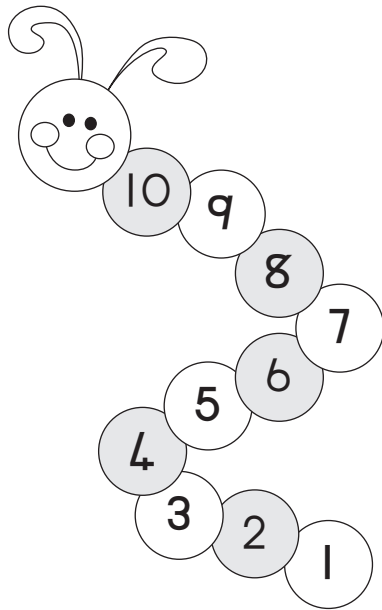
Enrichment Activity 4.8

Circle the line that is the longest. You may not use a ruler to measure the lines.



Enrichment Activity 4.5: Answers

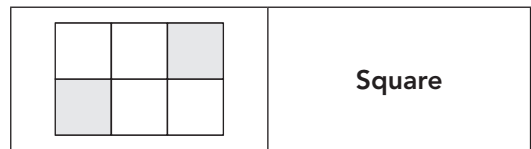
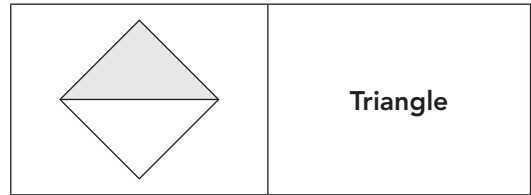
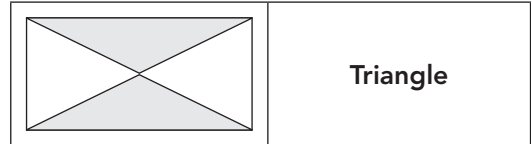
Work out the pattern to complete the worm.



Enrichment Activity 4.6: Answers

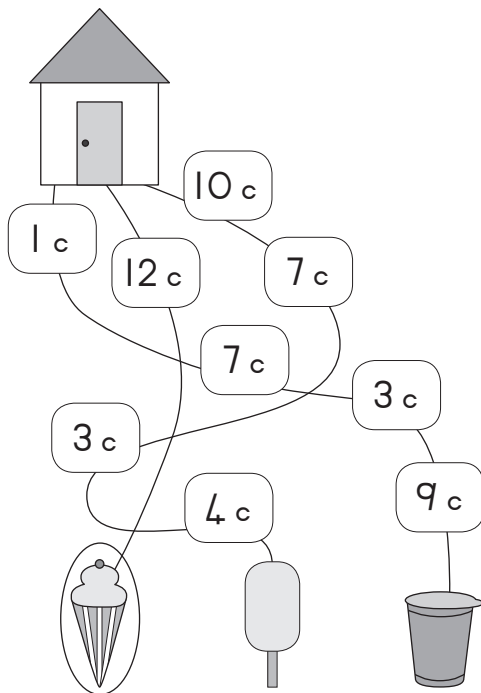
What shape or shapes are coloured?

Choose the correct answer.



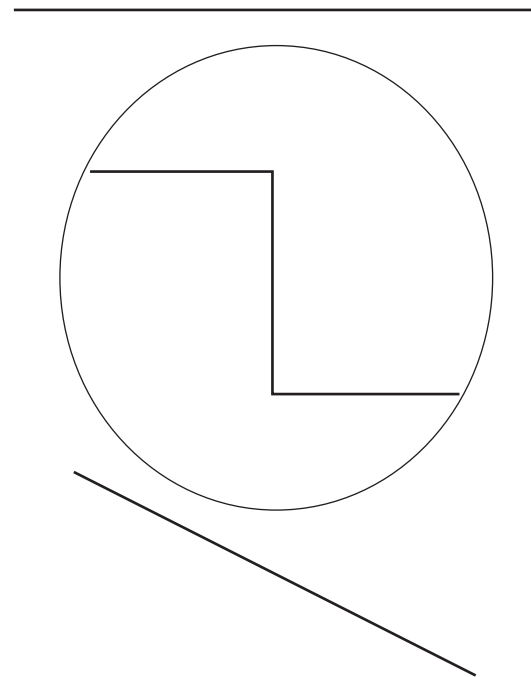
Enrichment Activity 4.7: Answers

Add up the money on each path and then circle the ice-cream that is the cheapest.



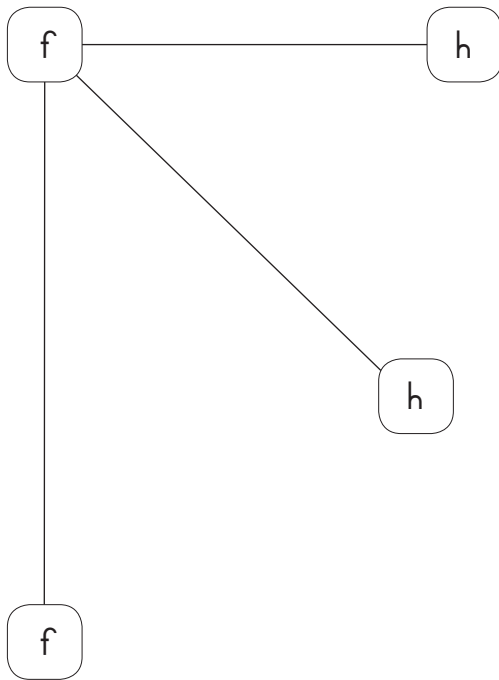
Enrichment Activity 4.8: Answers

Circle the line that is the longest. You may not use a ruler to measure the lines.



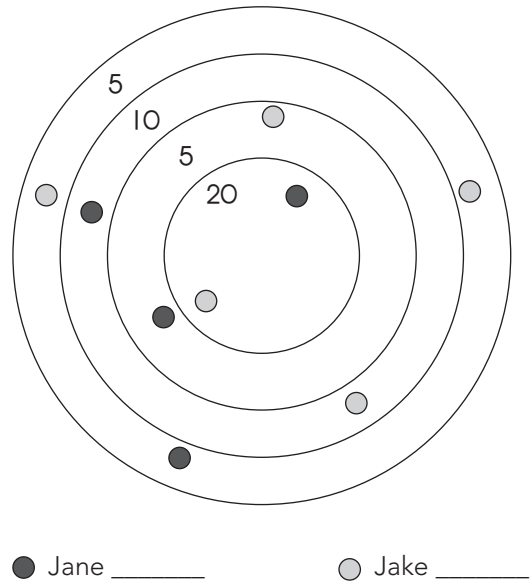
Enrichment Activity 4.9

Circle the longest line.



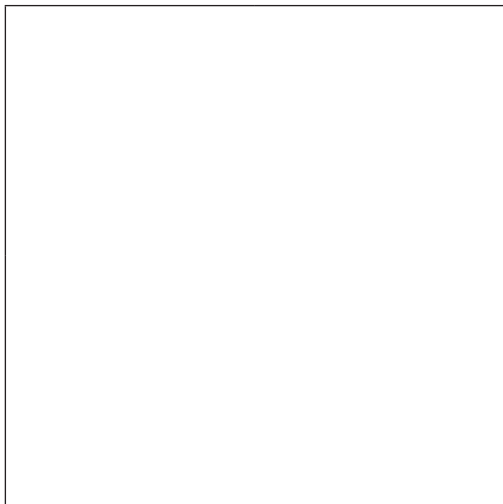
Enrichment Activity 4.10

Jane and Jake are playing marbles.
Add their scores to see who is winning.



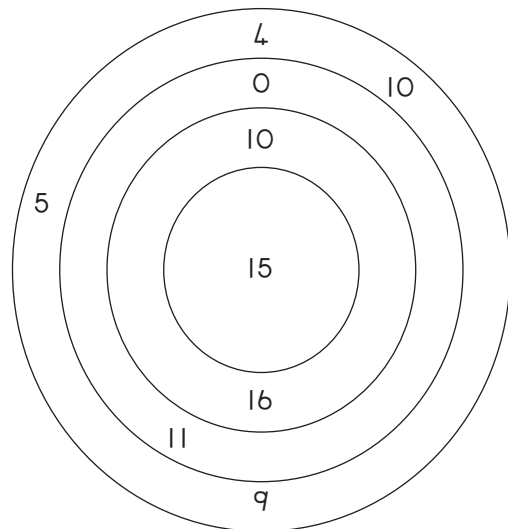
Enrichment Activity 4.11

Divide this square into 4 smaller squares.



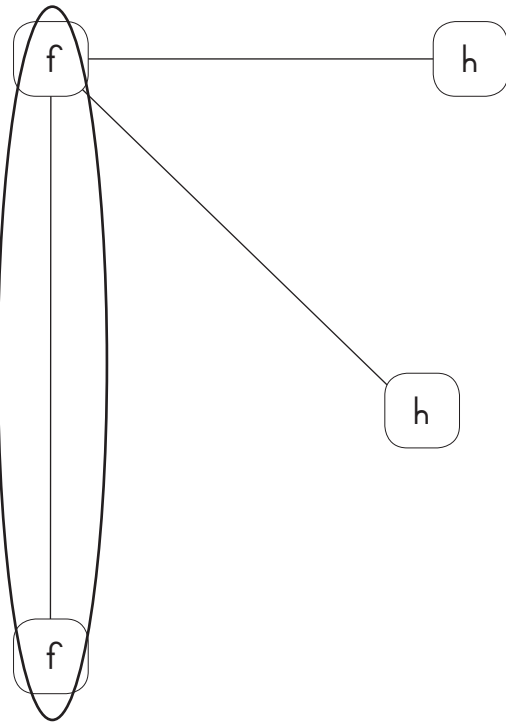
Enrichment Activity 4.12

Use the numbers to see how many sums you can make with 20 as the answer.



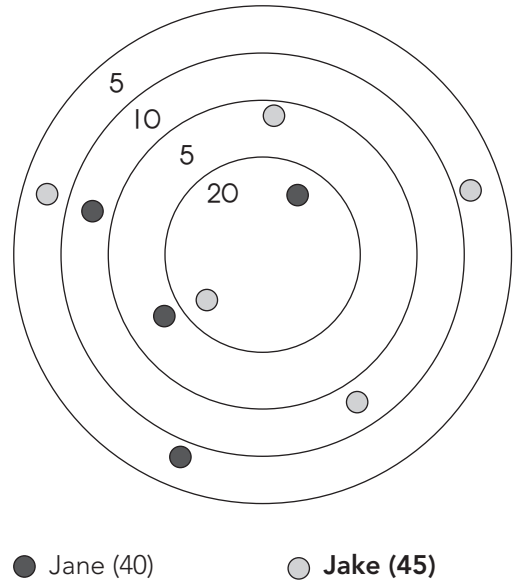
Enrichment Activity 4.9: Answers

Circle the longest line.



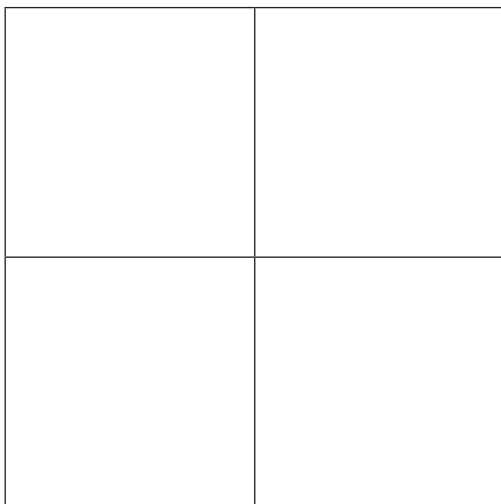
Enrichment Activity 4.10: Answers

Jane and Jake are playing marbles.
Add their scores to see who is winning.



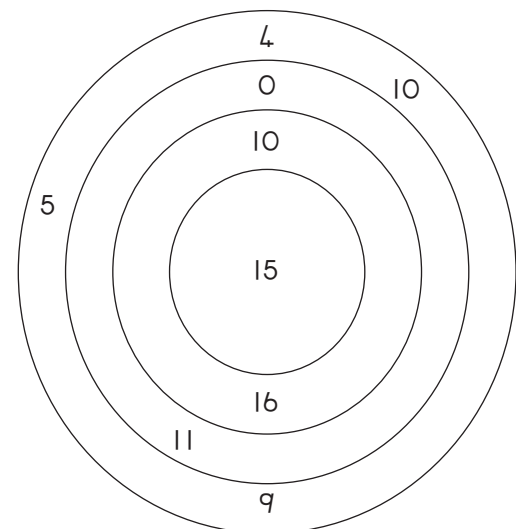
Enrichment Activity 4.11: Answers

Divide this square into 4 smaller squares.



Enrichment Activity 4.12: Answers

Use the numbers to see how many sums you can make with 20 as the answer.



You can make 4 sums:

$10 + 10$, $15 + 5$, $11 + 9$, $16 + 4$.

Enrichment Activity 4.13

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

Block A
$5 + 14 =$
$20 - 2 =$
$16 - 3 =$
$12 + 6 =$
$16 + 0 =$
$10 + 7 =$
$14 - 4 =$
$17 + 1 =$
$15 - 9 =$

Block B
18
16
19
10
18
18
6
17
13

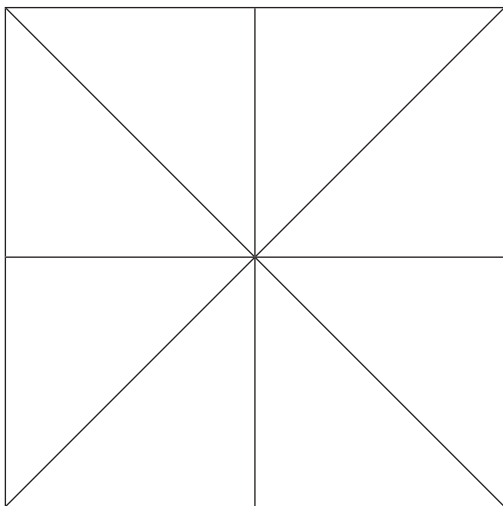
Enrichment Activity 4.14

Try to work out the sums in these blocks.

+	8	1	10
2			
4			
6			
8			
10			

Enrichment Activity 4.15

How many \triangle do you see?



12 Triangles

16 Triangles

13 Triangles

14 Triangles

Enrichment Activity 4.16

Match the numbers with the number names.

Numbers
8
10
9
7
2
4
3

Number names
Two
Seven
Eight
Nine
Ten
Three
Four

Enrichment Activity 4.13: Answers

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

Block A	Block B
$5 + 14 =$	18
$20 - 2 =$	16
$16 - 3 =$	19
$12 + 6 =$	10
$16 + 0 =$	18
$10 + 7 =$	18
$14 - 4 =$	6
$17 + 1 =$	17
$15 - 9 =$	13

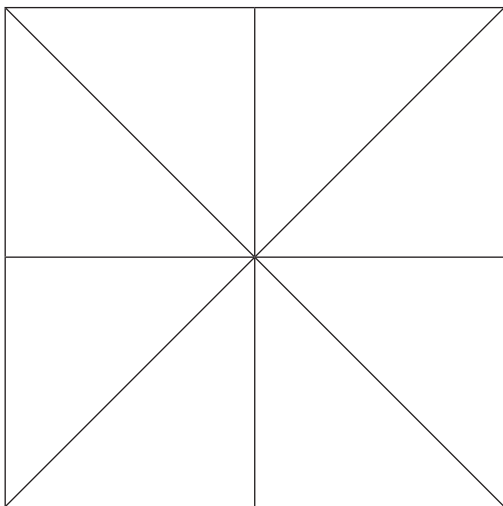
Enrichment Activity 4.14: Answers

Try to work out the sums in these blocks.

+	8	1	10
2	10	3	12
4	12	5	14
6	14	7	16
8	16	9	18
10	18	11	20

Enrichment Activity 4.15: Answers

How many \triangle do you see?



16 Triangles

Enrichment Activity 4.16: Answers

Match the numbers with the number names.

Numbers	Number names
8	Eight
10	Ten
9	Nine
7	Seven
2	Two
4	Four
3	Three

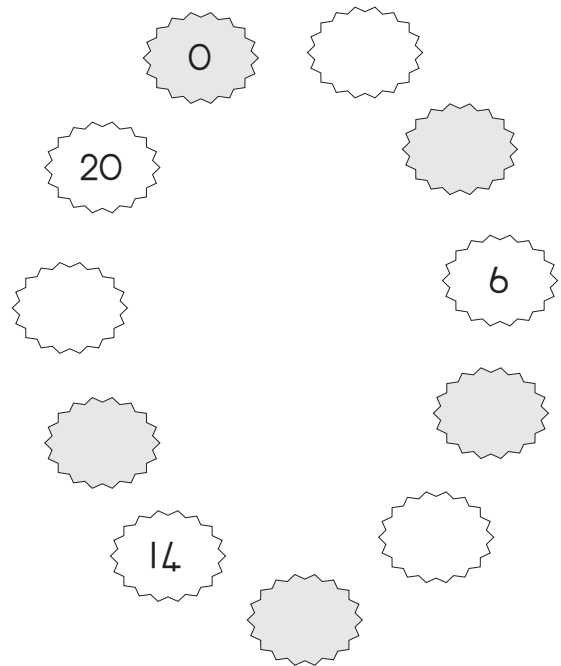
Enrichment Activity 4.17

Complete the table by working out the sums.

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

Enrichment Activity 4.18

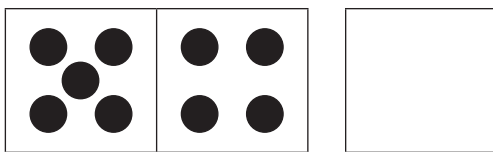
Complete the pattern.



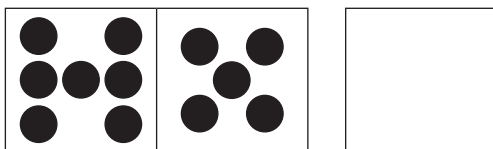
Enrichment Activity 4.19

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

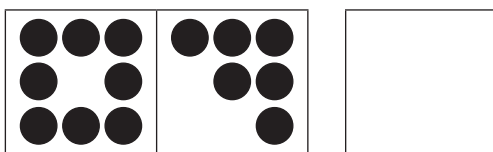
How much will it be?



How much will it be?

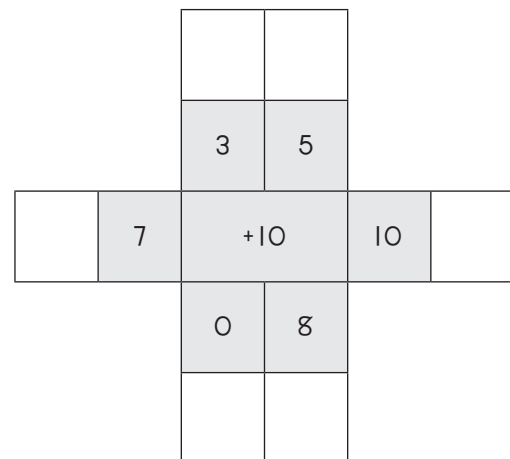


How much will it be?



Enrichment Activity 4.20

Add the middle number to other numbers.



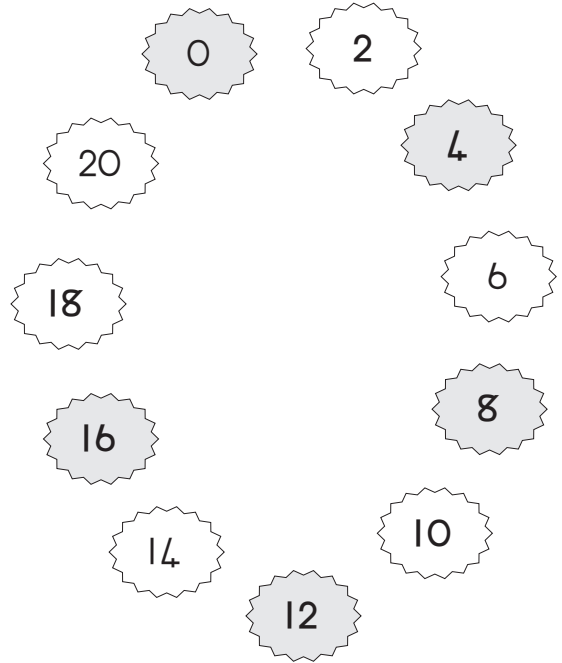
Enrichment Activity 4.17: Answers

Complete the table by working out the sums.

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

Enrichment Activity 4.18: Answers

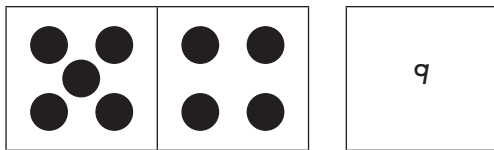
Complete the pattern.



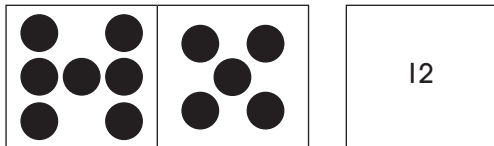
Enrichment Activity 4.19: Answers

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

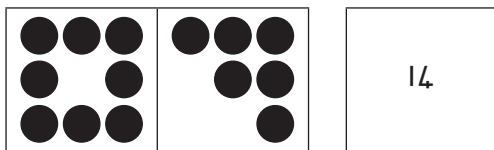
How much will it be?



How much will it be?

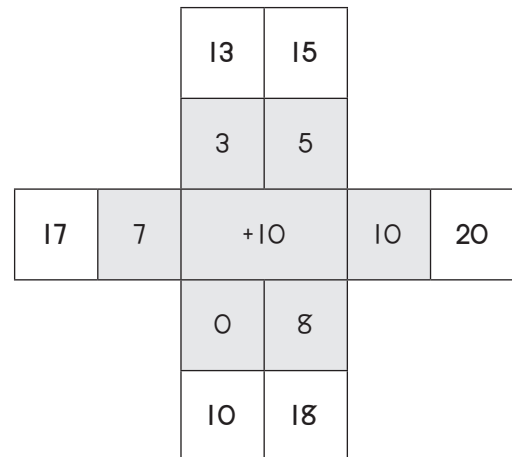


How much will it be?



Enrichment Activity 4.20: Answers

Add the middle number to other numbers.



Enrichment Activity 4.21

Calculate the following and draw a line to the answer.

$$14 + 1 =$$

23

$$3 + 20 =$$

15

$$17 - 3 =$$

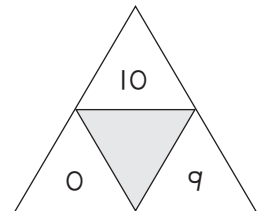
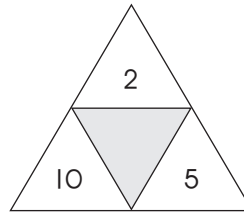
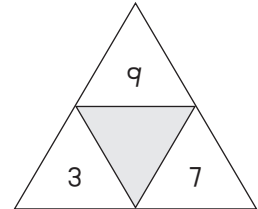
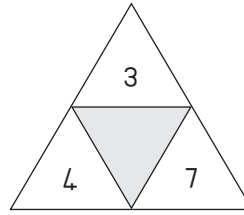
12

$$19 - 7 =$$

14

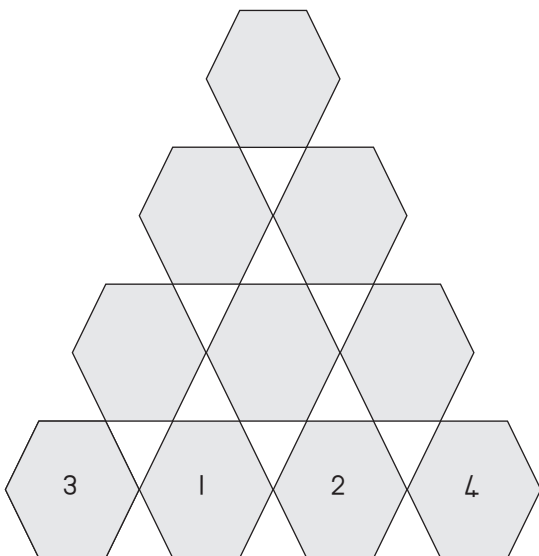
Enrichment Activity 4.22

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.



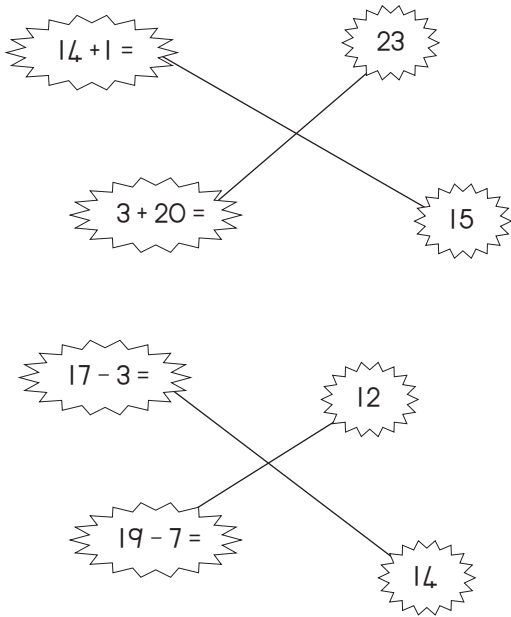
Enrichment Activity 4.24

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

4	+	2	=	
+		+		+
3	+	7	=	
=		=		=
	+		=	

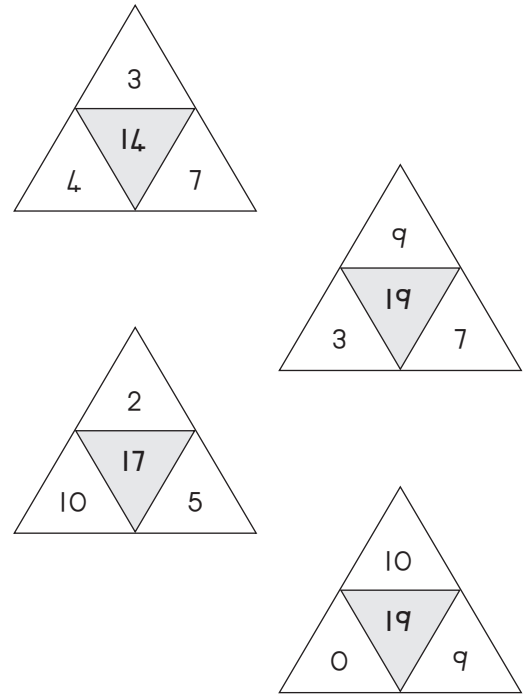
Enrichment Activity 4.21: Answers

Calculate the following and draw a line to the answer.



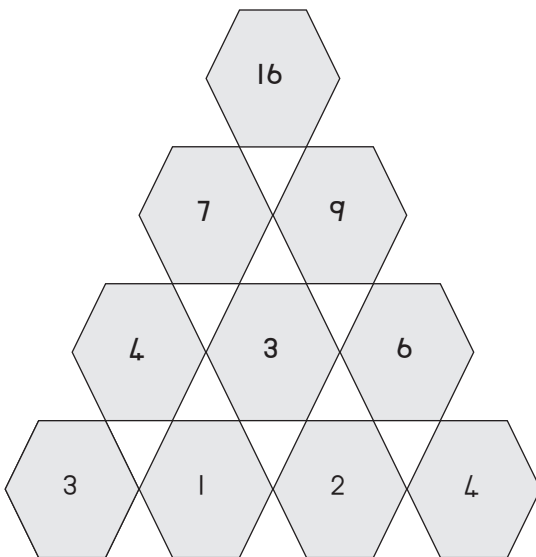
Enrichment Activity 4.22: Answers

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.



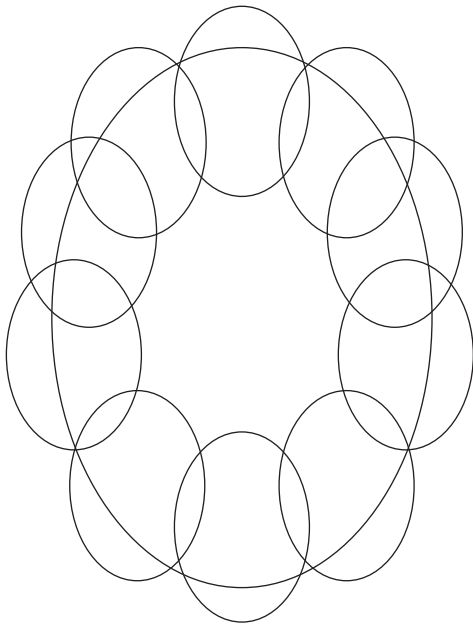
Enrichment Activity 4.24: Answers

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

4	+	2	=	6
+		+		+
3	+	7	=	10
=		=		=
7	+	9	=	16


Enrichment Activity 4.25

How many ovals do you see?



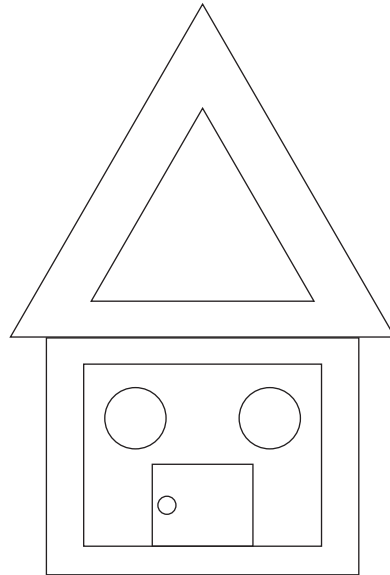
11 24 14

Enrichment Activity 4.26

How many  do you see?

How many  do you see?

How many  do you see?

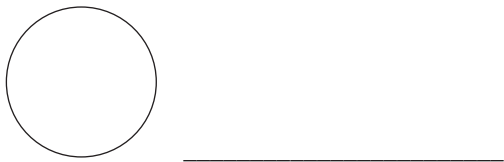


Enrichment Activity 4.27

Name the different shapes.

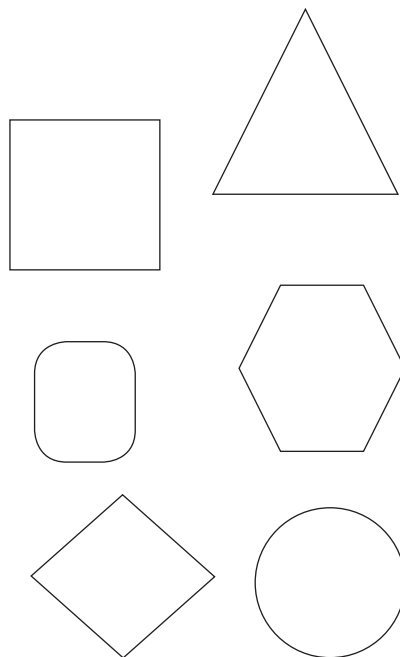
These words will help you:

triangle, circle, square.



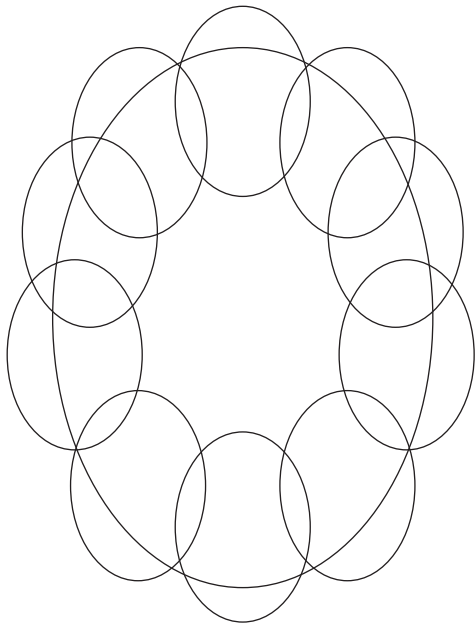
Enrichment Activity 4.28

Use these shapes to draw a picture.



Enrichment Activity 4.25: Answers

How many ovals do you see?



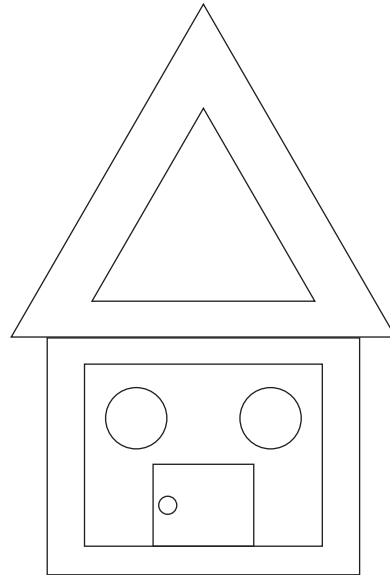
11 24 14

Enrichment Activity 4.26: Answers

How many  do you see? (3)

How many  do you see? (3)

How many  do you see? (2)



Enrichment Activity 4.27: Answers

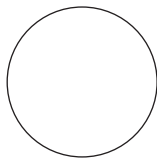
Name the different shapes.

These words will help you:

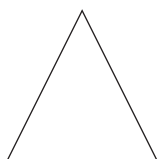
triangle, circle, square.



square



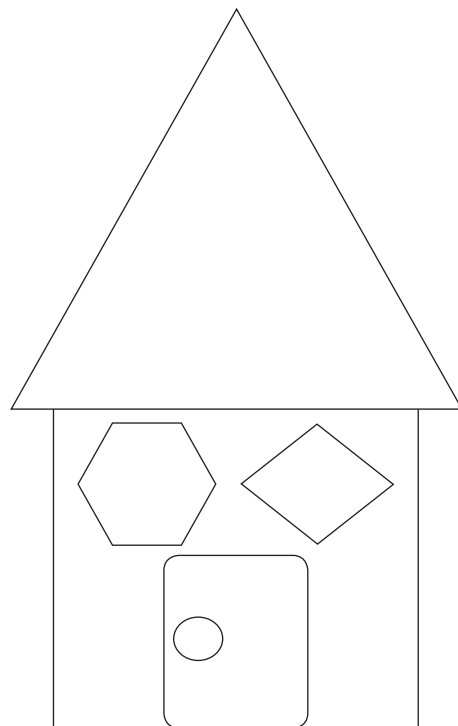
circle



triangle

Enrichment Activity 4.28: Answers

Use these shapes to draw a picture.



Enrichment Activity 4.29

Add each row of numbers to get an answer.

=									=
	3							5	
		7			2				
			9						
		8			1				
	0							7	
=									=

Enrichment Activity 4.30


Write the number names for each of the following numbers.

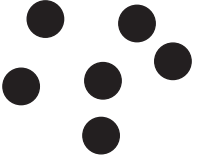
8	
2	
3	
7	
9	
10	
5	
4	
1	
6	

Enrichment Activity 4.31

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

	
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Enrichment Activity 4.32

Which number is bigger?
Circle the bigger number.

- | | | |
|----|----|----|
| 10 | or | 14 |
| 12 | or | 9 |
| 15 | or | 5 |
| 16 | or | 20 |
| 0 | or | 13 |
| 17 | or | 7 |
| 20 | or | 19 |
| 5 | or | 11 |
| 10 | or | 11 |

Enrichment Activity 4.29: Answers

Add each row of numbers to get an answer.

19						16
=						=
	3					5
		7		2		
			9			
		8		1		
	0					7
=						=
17						17

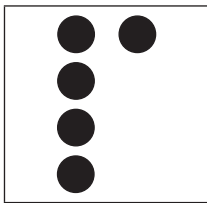
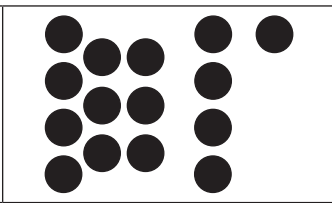
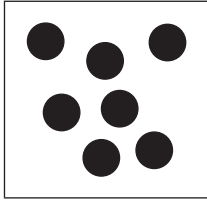
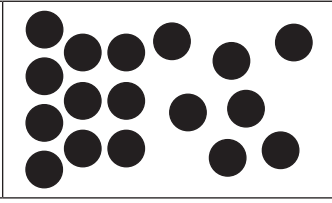
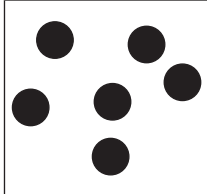
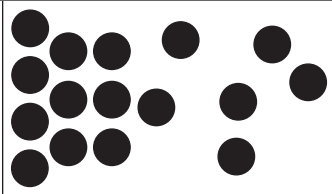
Enrichment Activity 4.30: Answers

Write the number names for each of the following numbers.

8	eight
2	two
3	three
7	seven
9	nine
10	ten
5	five
4	four
1	one
6	six

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	(14)
(12)	or	9
(15)	or	5
16	or	(20)
0	or	(13)
(17)	or	7
(20)	or	19
5	or	(11)
10	or	(11)

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.

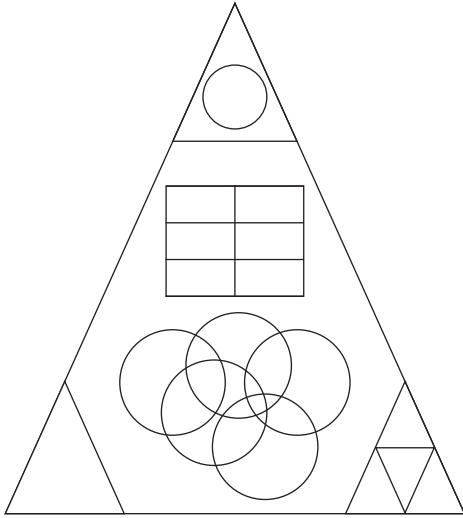
These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some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



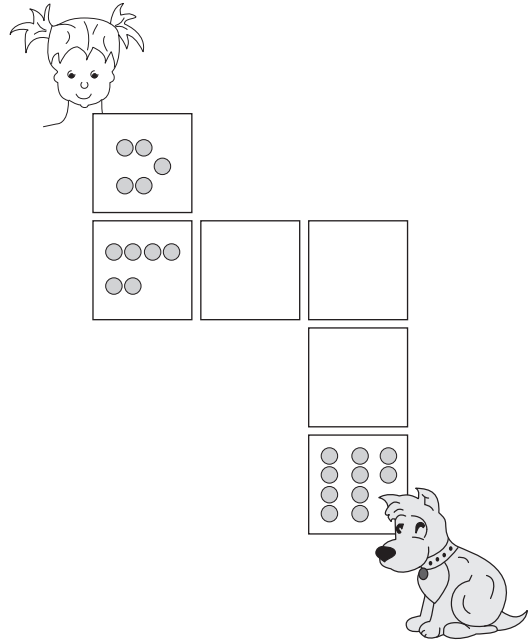
Bangaphi \triangle abaphaya? _____

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.

Ezantsi

1. $10 + 6 =$

2. $6 + 5 =$

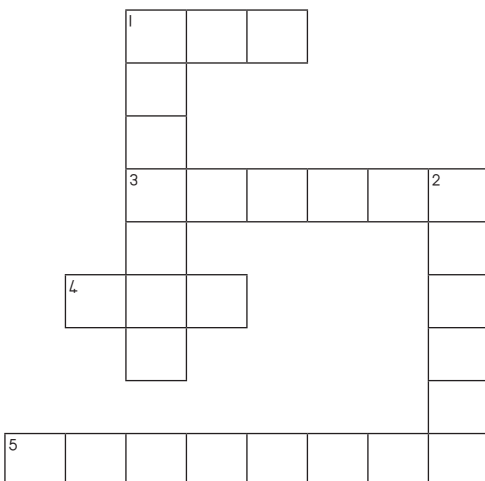
Enqamlezileyo

1. $12 - 6 =$

3. $6 + 6 =$

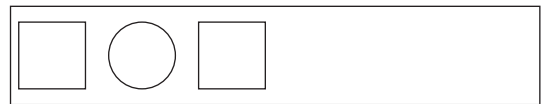
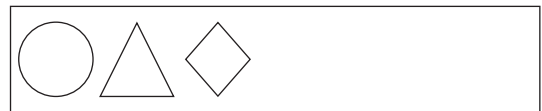
4. $20 - 10 =$

5. $8 + 11 =$



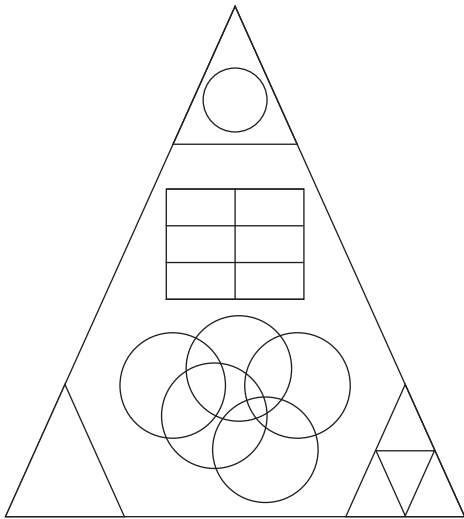
Imisebenzi yophuculo 4.4

Gcwalisa ezi pateni zilandelayo.



Imisebenzi yophuculo 4.1: limpendulo

Bala iimilo ezahlukehlukeneyo.



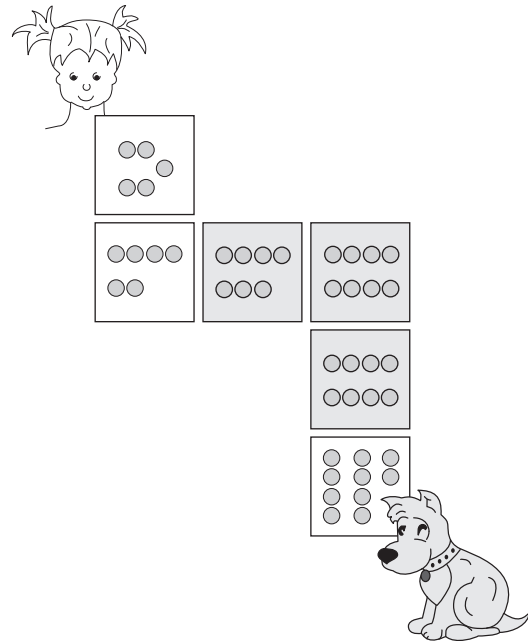
Bangaphi  abaphaya? (8)

Zingaphi  ezilapha? (14)

Zingaphi  ezilapha? (6)

Imisebenzi yophuculo 4.2: limpendulo

Nceda uSara afumaneinja yakhe elahlekileyo ngokuthi ugcwalise izithuba.



Imisebenzi yophuculo 4.3: limpendulo

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

Ezantsi

1. $10 + 6 =$

2. $6 + 5 =$

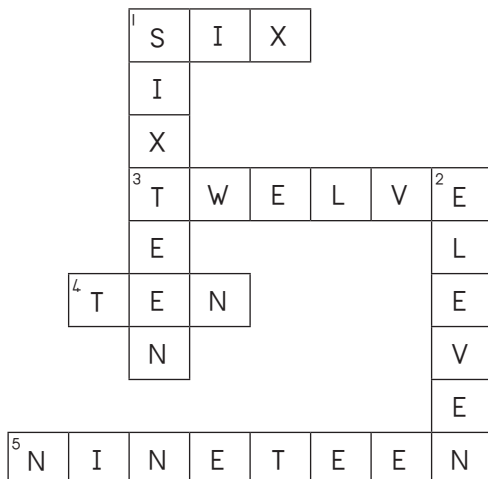
Enqamlezileyo

1. $12 - 6 =$

3. $6 + 6 =$

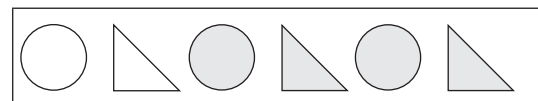
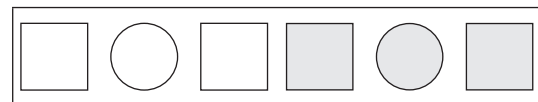
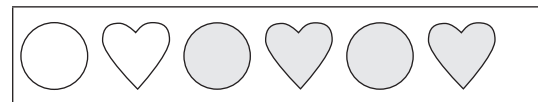
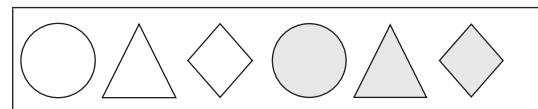
4. $20 - 10 =$

5. $8 + 11 =$



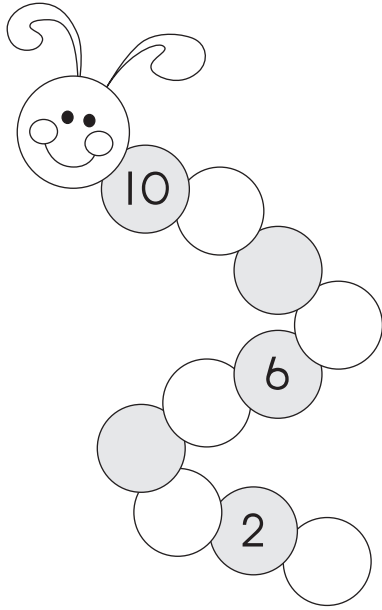
Imisebenzi yophuculo 4.4: limpendulo

Gcwalisa ezi pateni zilandelayo.



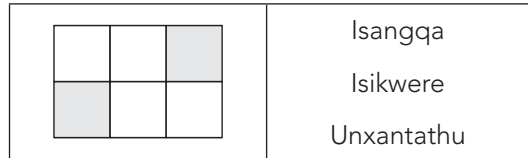
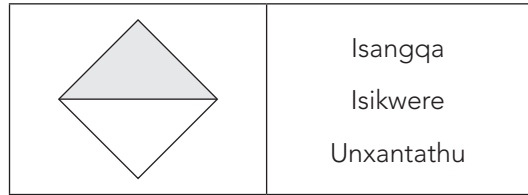
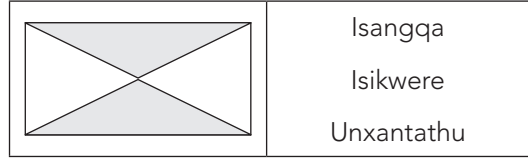
Imisebenzi yophuculo 4.5

Sebenza kule pateni ukugcwalisa isongololo.



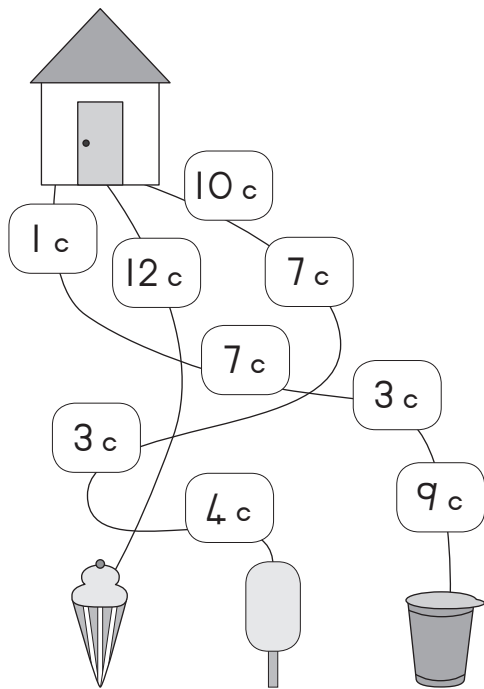
Imisebenzi yophuculo 4.6

Zeziphi iimilo okanye imilo efakelwe umbala?
Khetha impendulo echanekileyo.



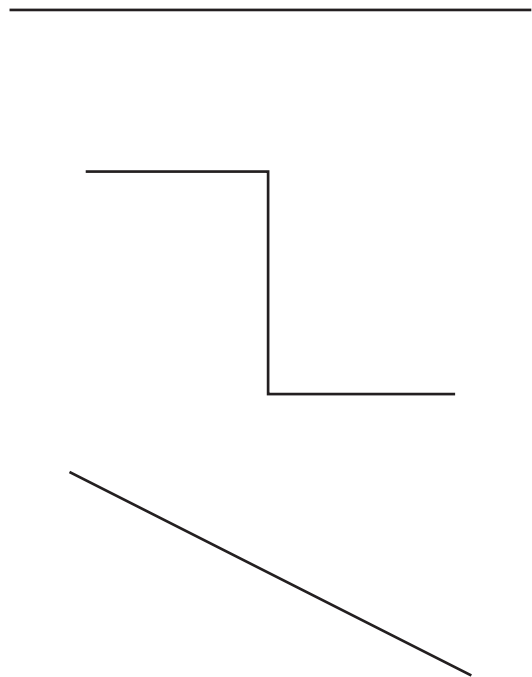
Imisebenzi yophuculo 4.7

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



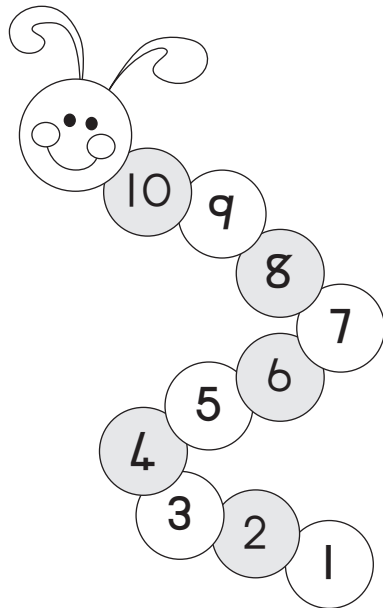
Imisebenzi yophuculo 4.8

Biyela ngesangqa owona mgca mde.
Ungangasebenzisi irula ukulinganisa imigca.



Imisebenzi yophuculo 4.5: Iimpendulo

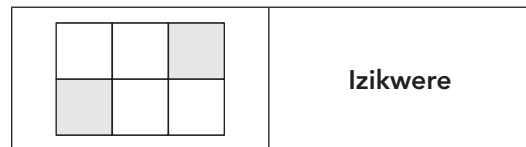
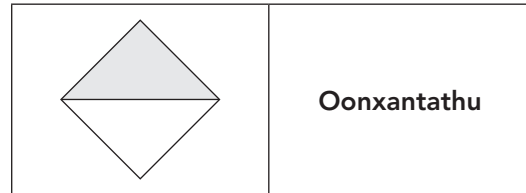
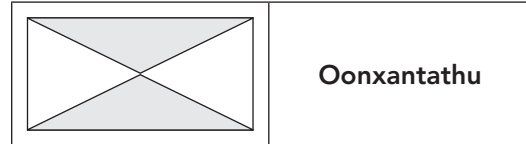
Sebenza kule pateni ukugcwalisa isongololo



Imisebenzi yophuculo 4.6: Iimpendulo

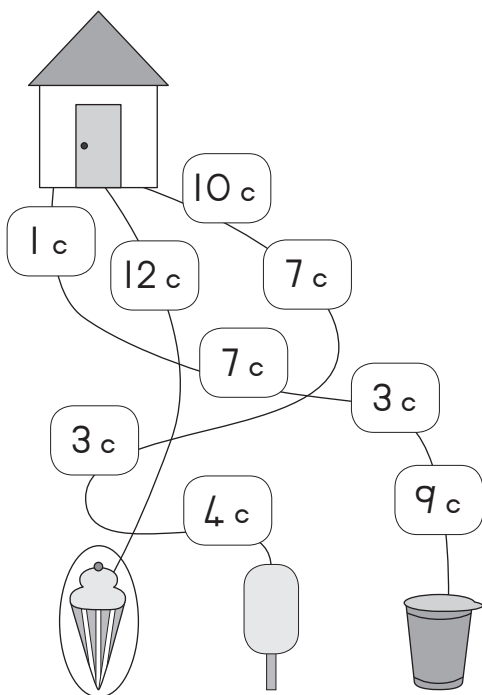
Zeziphi iimilo okanye imilo efakelwe umbala?

Khetha impendulo echanekileyo.



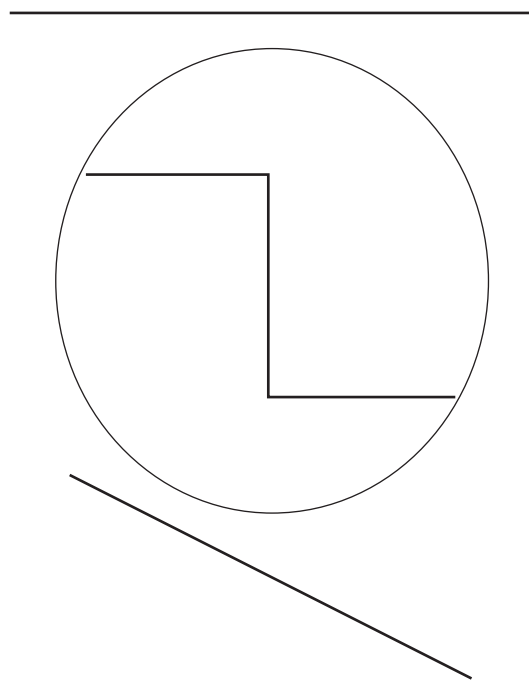
Imisebenzi yophuculo 4.7: Iimpendulo

I-ayisikhrim enxabiso eliphantsi ibiyelewe



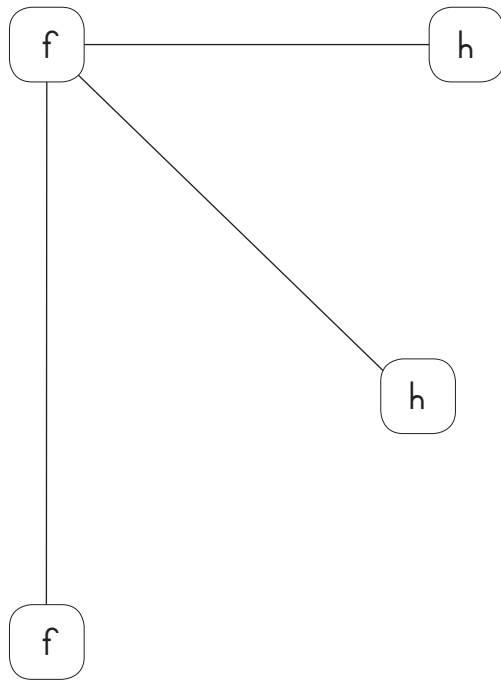
Imisebenzi yophuculo 4.8: Iimpendulo

Biyela ngesangqa owona mgca mde. Ungangasebenzisi irula ukulinganisa imigca.



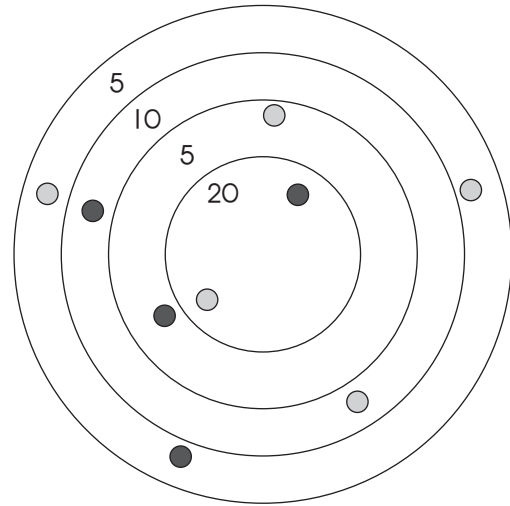
Imisebenzi yophuculo 4.9

Biyela ngesangqa ende kunazo zonke



Imisebenzi yophuculo 4.10

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

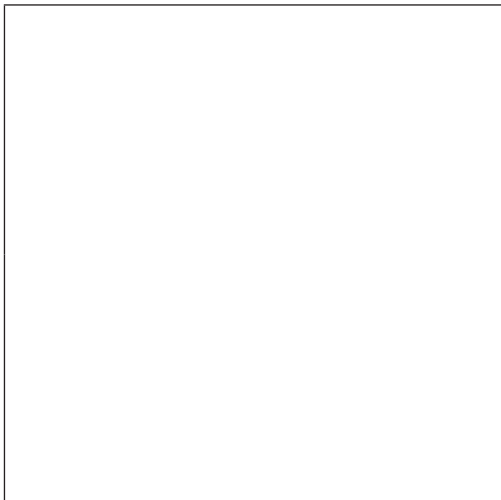


● uJane _____

○ uJake _____

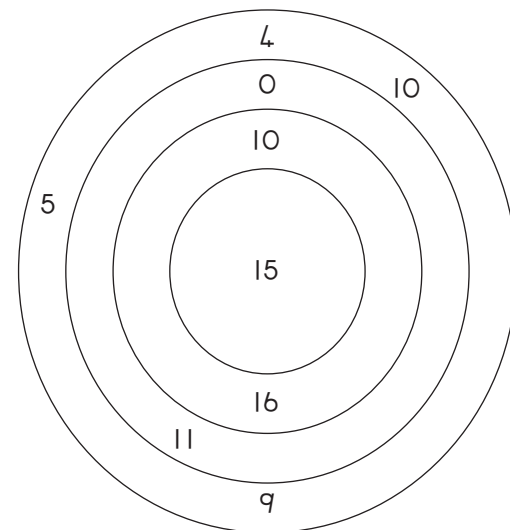
Imisebenzi yophuculo 4.11

Hlulahlula esi sikwere sibe zizikwere ezi4 ezincinci.



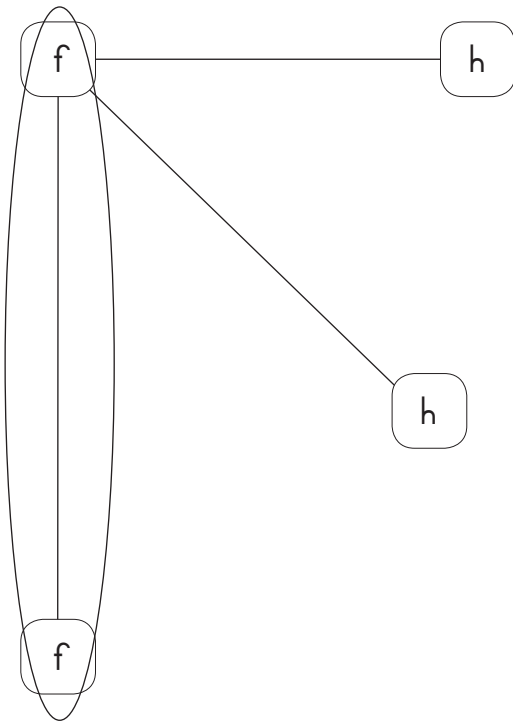
Imisebenzi yophuculo 4.12

Sebenzisa amanani ukubona ukuba ungenza izibalo ezingaphi ekungaphuma u20 njengempendulo.



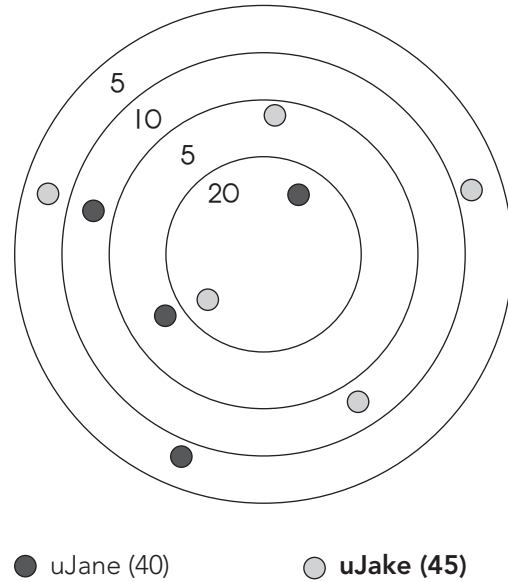
Imisebenzi yophuculo 4.9: limpendulo

Biyela ngesangqa ende kunazo zonke.



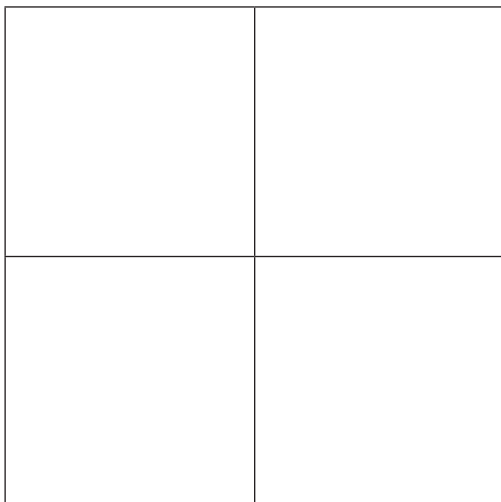
Imisebenzi yophuculo 4.10: limpendulo

Sebenzisa amanani ukubona ukuba ungenza izibalo ezingaphi ekungaphuma u20 njengependulo.



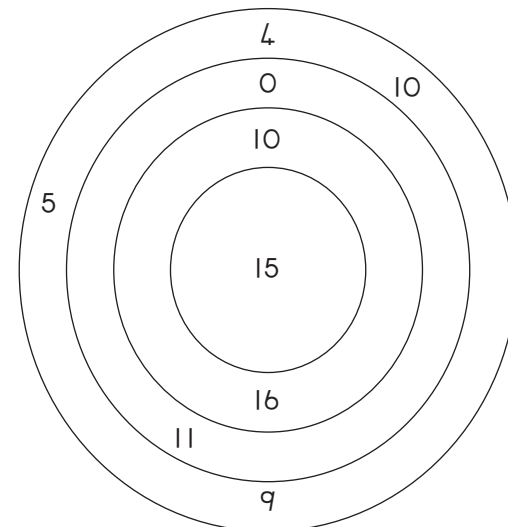
Imisebenzi yophuculo 4.11: limpendulo

Hlulahlula esi sikwere sibe zizikwere ezi4 ezincinci.



Imisebenzi yophuculo 4.12: limpendulo

Sebenzisa izinombolo ukubona ukuthi zingaki izibalo ongazakha zibe nempendulo engama-20.



Ungenza ezi izibalo :

10 + 10, 15 + 5, 11 + 9, 16 + 4.

Imisebenzi yophuculo 4.13 limpendulo

Tshatisa iingxaki kuBlock A kunye neempendulo kuBlock B.

A	B
$5 + 14 =$	18
$20 - 2 =$	16
$16 - 3 =$	19
$12 + 6 =$	10
$16 + 0 =$	18
$10 + 7 =$	18
$14 - 4 =$	6
$17 + 1 =$	17
$15 - 9 =$	13

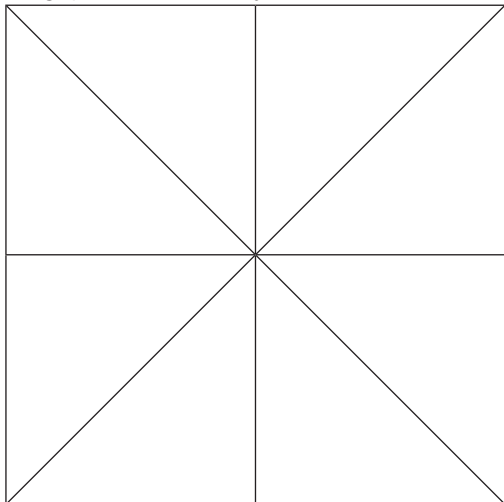
Imisebenzi yophuculo 4.14 limpendulo

Zama ubale ezi zibalo kwezi bhloko.

+	8	1	10
2			
4			
6			
8			
10			

Imisebenzi yophuculo 4.15 tlimpendulo

Zingaphi \triangle ozibonayo?



Oonxantathu-12

Oonxantathu-16

Oonxantathu-13

Oonxantathu-14

Imisebenzi yophuculo 4.16

Tshatisa la manani kunye namanani magama.

Amanani	Amanani magama
8	zimbini
10	xhenxe
9	bhozo
7	Thoba
2	Shumi
4	Ntathu
3	Ne

Imisebenzi yophuculo 4.13: limpendulo

Tshatisa iingxaki kuBlock A kunye neempendulo kuBlock B.

A	B
$5 + 14 =$	18
$20 - 2 =$	16
$16 - 3 =$	19
$12 + 6 =$	10
$16 + 0 =$	18
$10 + 7 =$	18
$14 - 4 =$	6
$17 + 1 =$	17
$15 - 9 =$	13

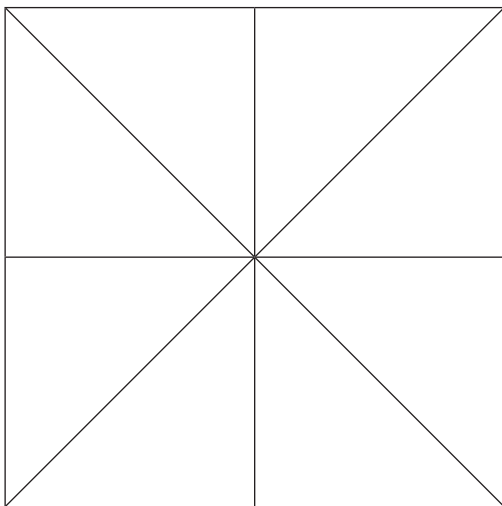
Imisebenzi yophuculo 4.14: limpendulo

Zama ubale ezi zibalo kwezi bhloko

+	8	1	10
2	10	3	12
4	12	5	14
6	14	7	16
8	16	9	18
10	18	11	20

Imisebenzi yophuculo 4.15: limpendulo

Zingaphi \triangle ozibonayo?



Onxantathu abayi-16

Imisebenzi yophuculo 4.16: limpendulo

Tshatisa la manani kunye namanani magama

Amanani	Amanani magama
8	zimbini
10	xhenxe
9	bhozo
7	Thoba
2	Shumi
4	nthathu
3	ne

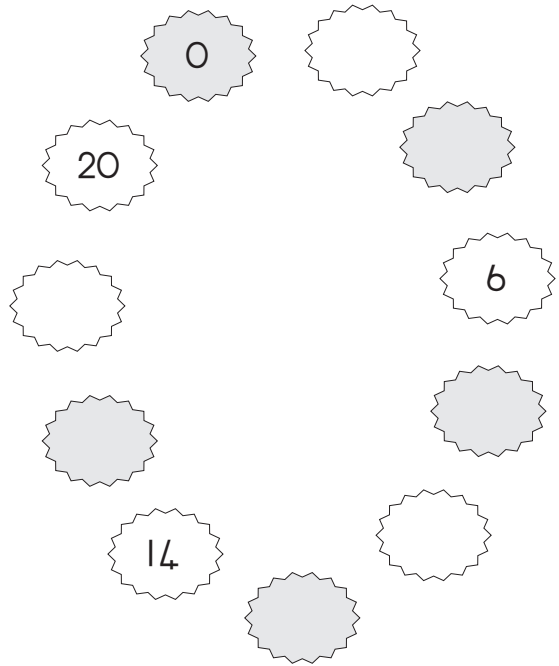
Imisebenzi yophuculo 4.17

Gqibezela le thebhile ngokuthi wenze ezi zibalo

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

Imisebenzi yophuculo 4.18

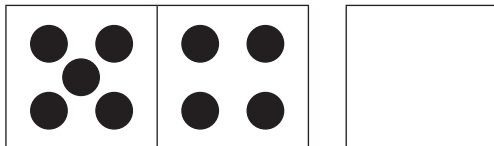
Gqibezela le pateni.



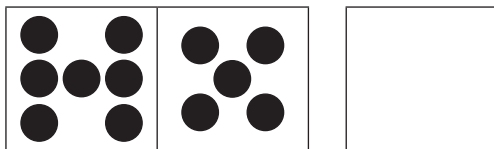
Imisebenzi yophuculo 4.19

Fakela amachaphaza kwiidomino kwaye ufakele neempendulo.

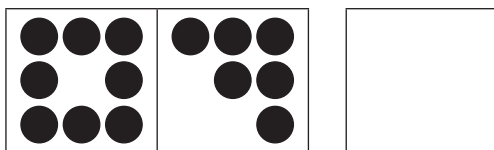
Zizakubangaphi?



Zizakubangaphi?

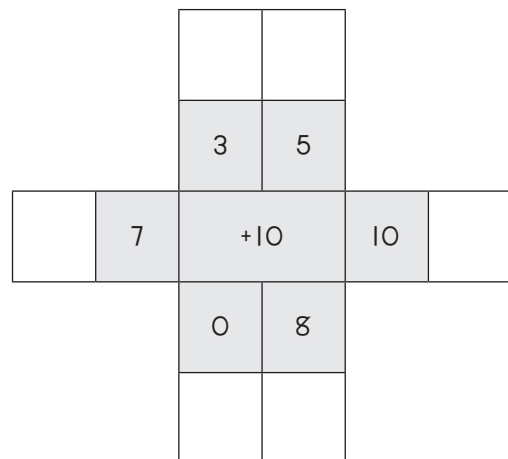


Zizakubangaphi?



Imisebenzi yophuculo 4.20

Dibanisa inani eliphakathi kwamanye amanani.



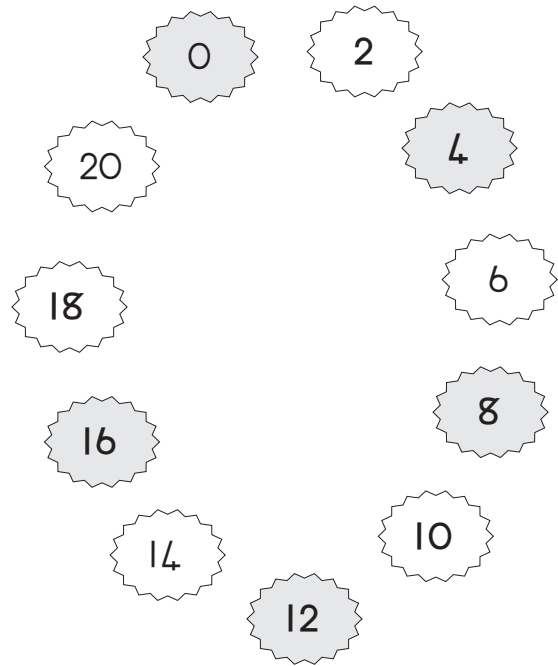
Imisebenzi yophuculo 4.17: limpendulo

Gqibezela le thebhile ngokuthi wenze ezi zibalo.

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

Imisebenzi yophuculo 4.18: limpendulo

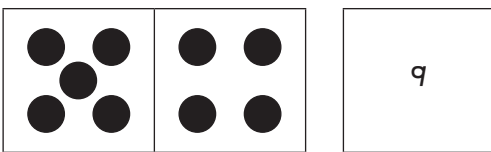
Gqibezela le pateni.



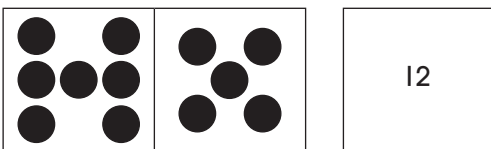
Imisebenzi yophuculo 4.19: limpendulo

Fakela amachaphaza kwiidomino kwaye ufakele neempendulo:

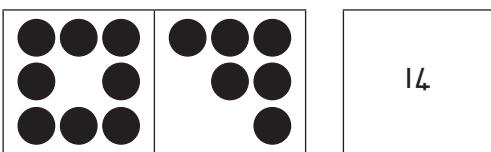
Zizakubangaphi?



Zizakubangaphi?

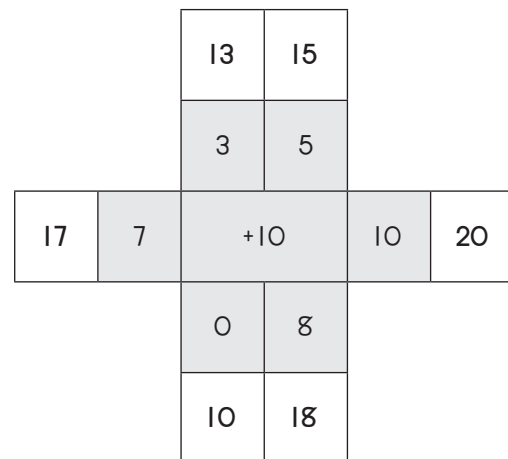


Zizakubangaphi?



Imisebenzi yophuculo 4.20: limpendulo

Dibanisa inani eliphakathi kwamanye amanani



Imisebenzi yophuculo 4.21

Bala oku kulandelayo kwaye uzobe umgca oya kwimpendulo.

$14 + 1 =$

23

$3 + 20 =$

15

$17 - 3 =$

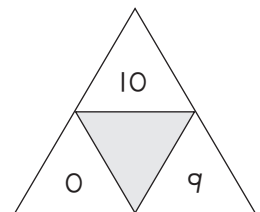
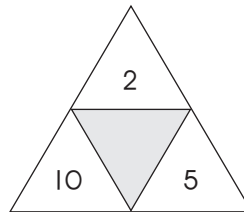
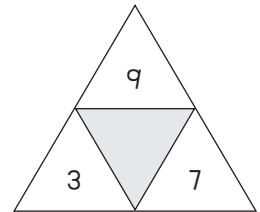
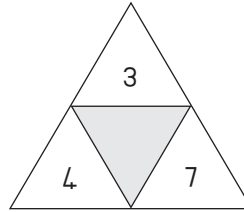
12

$19 - 7 =$

14

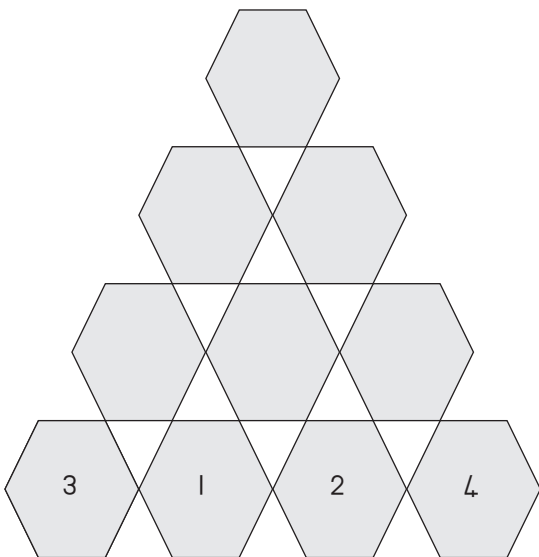
Imisebenzi yophuculo 4.22

Dibanisa amanani ukufumana inani eliphakathi.



Imisebenzi yophuculo 4.23

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



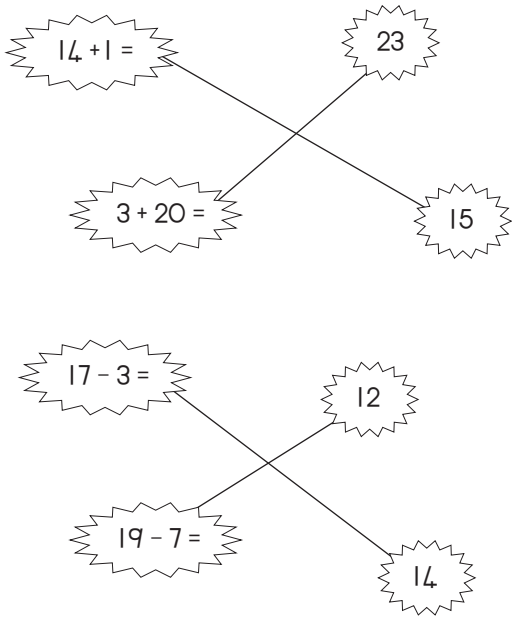
Imisebenzi yophuculo 4.24

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

4	+	2	=	
+		+		+
3	+	7	=	
=		=		=
	+		=	

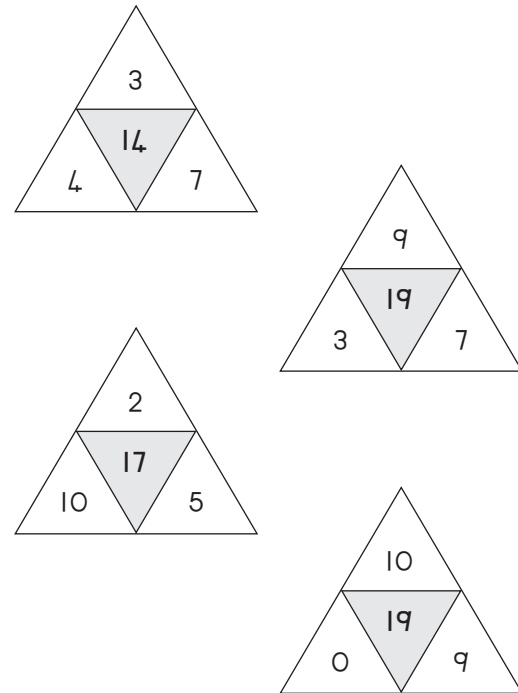
Imisebenzi yophuculo 4.21: Iimpendulo

Bala oku kulandelayo kwaye uzobe umgca oya kwimpendulo.



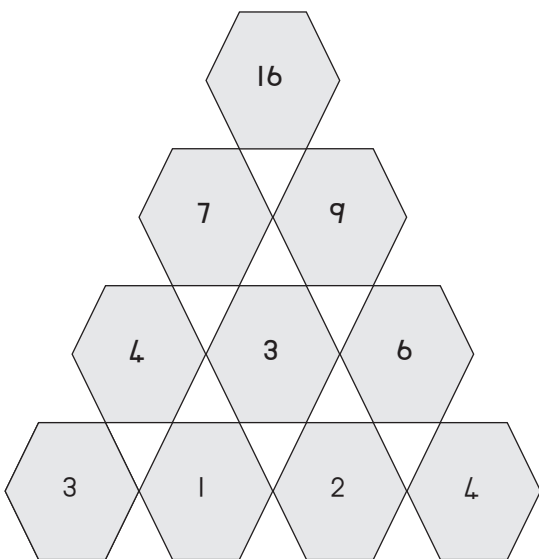
Imisebenzi yophuculo 4.22: Iimpendulo

Dibanisa amanani ukufumana inani eliphakathi.



Imisebenzi yophuculo 4.23: Iimpendulo

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



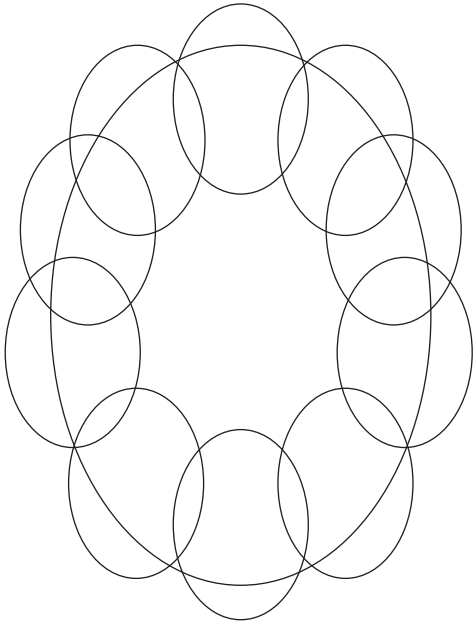
Imisebenzi yophuculo 4.24: Iimpendulo

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

4	+	2	=	6
+		+		+
3	+	7	=	10
=		=		=
7	+	9	=	16

Imisebenzi yophuculo 4.25

Zingaphi ezimbhoxo?



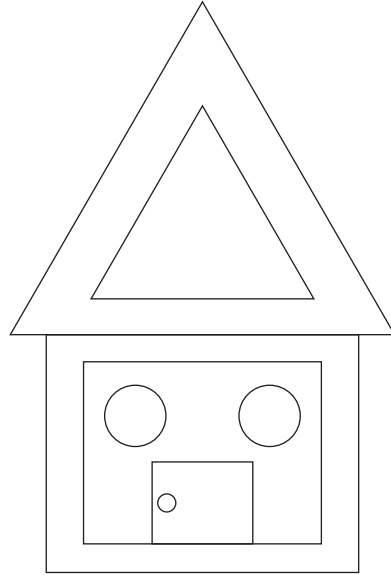
11 24 14

Imisebenzi yophuculo 4.26

Zingaphi  zibonayo?

Zingaphi  zibonayo?

Zingaphi  zibonayo?

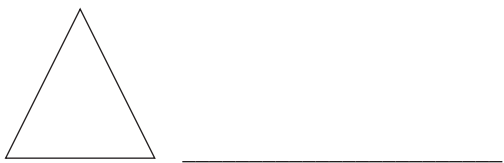
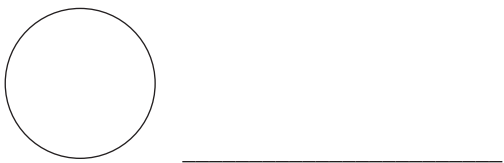
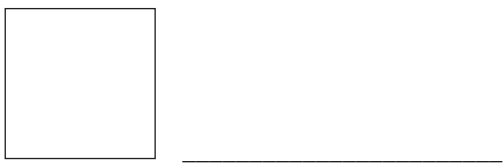


Imisebenzi yophuculo 4.27

Biza iimilo ezohlukeneyo.

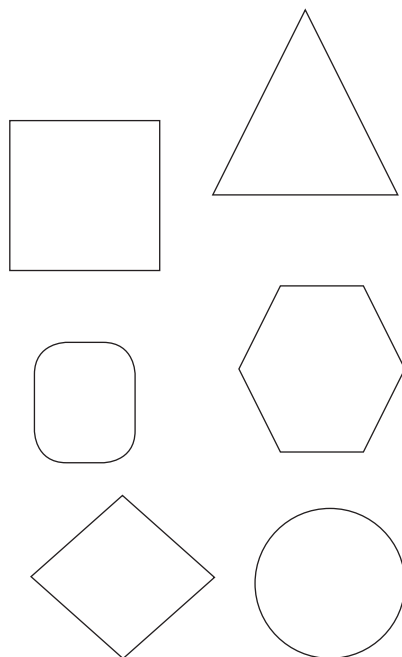
La magama azakunceda:

oonxantathu, izangqa, izikwere.



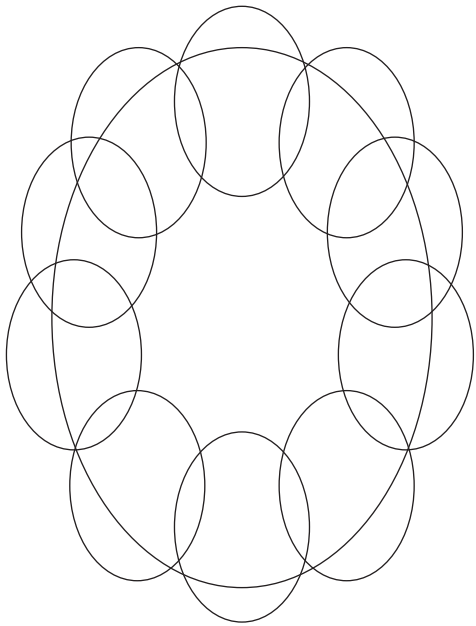
Imisebenzi yophuculo 4.28

Sebenzisa ezi milo ukuzoba umfanekiso.



Imisebenzi yophuculo 4.25: limpendulo

Zingaphi ezimbhoxo ozibonayo?



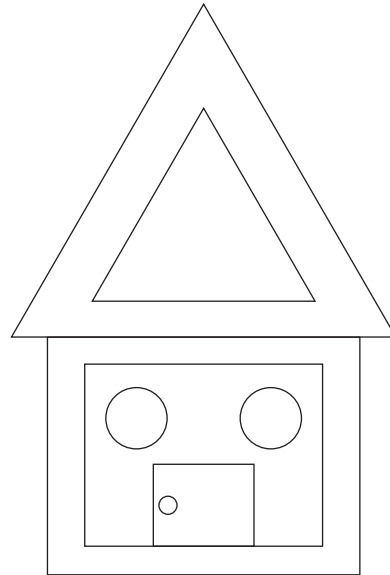
11 24 14

Imisebenzi yophuculo 4.26: limpendulo

Zingaphi  ozibonayo? (3)

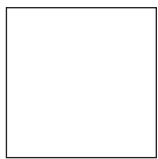
Zingaphi  ozibonayo? (3)

Zingaphi  ozibonayo? (2)

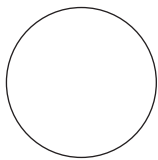


Imisebenzi yophuculo 4.27: limpendulo

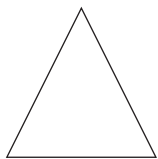
Biza iimilo ezohlukeneyo. La magama azakunceda: oonxantathu, izangqa, izikwere



isikwele



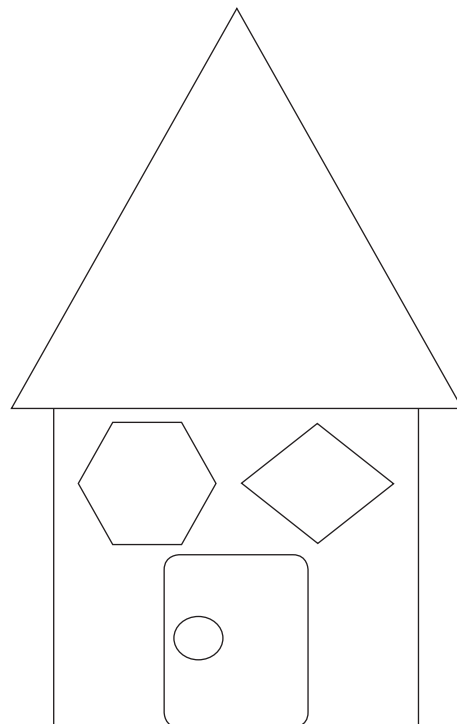
isiyingi



unxantathu

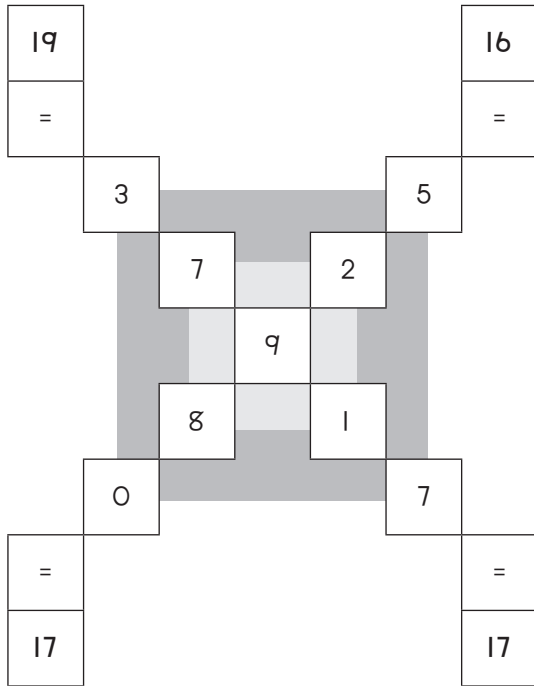
Imisebenzi yophuculo 4.28: limpendulo

Sebenzisa ezi milo ukuzoba umfanekiso limpendulo zizakwehlukahlukana.



Imisebenzi yophuculo 4.29

Yongeza umqolo wanani ukufumana iimpendulo



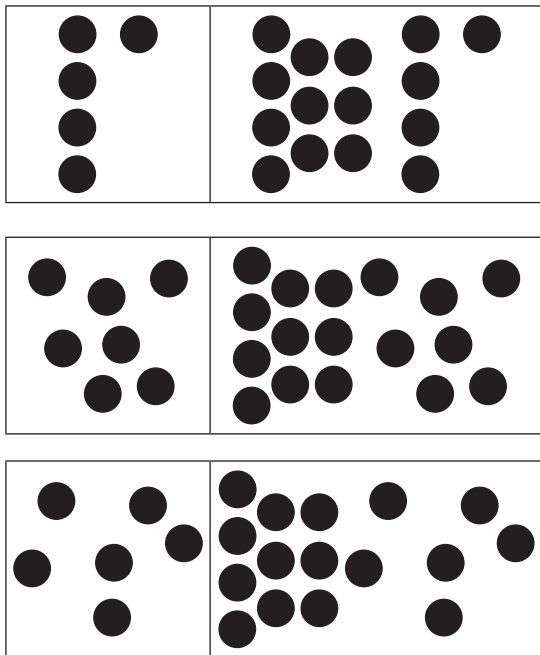
Imisebenzi yophuculo 4.30

Bhala amagama manani walamanani alandelayo.

8	bhozo
2	mbini
3	ntathu
7	xhenxe
9	thoba
10	shumi
5	ntlanu
4	ne
1	nye
6	ntandathu

Imisebenzi yophuculo 4.31

Dibanisa i10 wakugqibe uzobe iimpendulo ngasekunene kwakho.



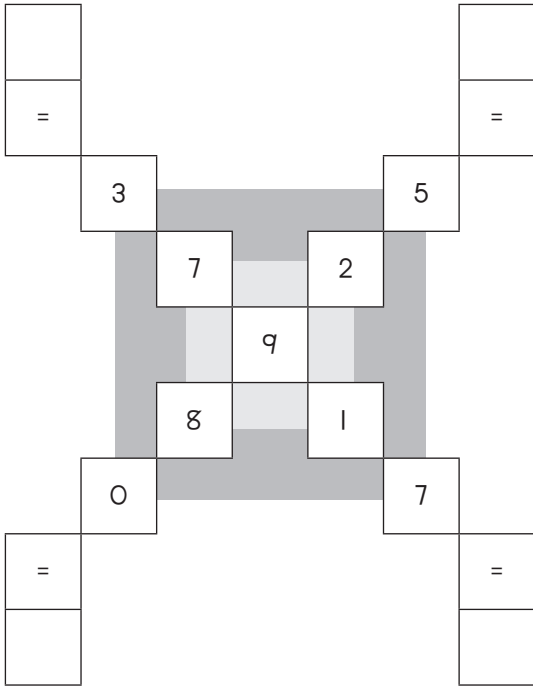
Imisebenzi yophuculo 4.32

Dibanisa i10 wakugqibe uzobe iimpendulo ngasekunene kwakho

10	okanye	14
12	okanye	9
15	okanye	5
16	okanye	20
0	okanye	13
17	okanye	7
20	okanye	19
5	okanye	11
10	okanye	11

Imisebenzi yophuculo 4.29: Iimpendulo

Yongeza umqolo wanani ukufumana iimpendulo



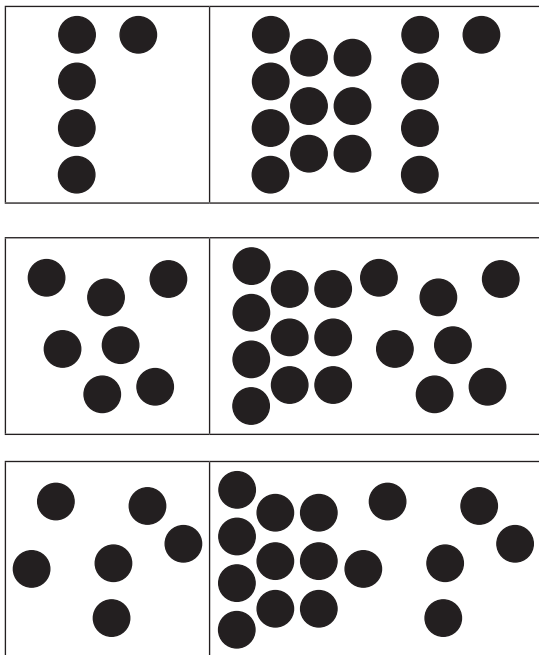
Imisebenzi yophuculo 4.30: Iimpendulo

Bhala amagama manani walamanani alandelayo.

8	
2	
3	
7	
9	
10	
5	
4	
1	
6	

Imisebenzi yophuculo 4.31: Iimpendulo

Dibanisa i10 wakugqibe uzobe iimpendulo ngasekunene kwakho.



Imisebenzi yophuculo 4.32: Iimpendulo

Dibanisa i10 wakugqibe uzobe iimpendulo ngasekunene kwakho

- 10 okanye (14)
- (12) okanye 9
- (15) okanye 5
- 16 okanye (20)
- 0 okanye (13)
- (17) okanye 7
- (20) okanye 19
- 5 okanye (11)
- 10 okanye (11)