

GRADE 1

TERM 2 2019

MATHEMATICS

ENGLISH / ISIXHOSA

RESOURCE PACK

PRINTABLE RESOURCES

Resource Sheets

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

1. Number tracing cards – numbers 6 and 7 (Lesson 1 and 2)
2. Number tracing cards – numbers 8 and 9 (Lesson 3 and 4)
3. Number tracing cards – number 10 (Lesson 5)
4. Number and number name cards (21–30) (Lesson 10 +)
5. Number and number name cards (31–40) (Lesson 11 +)
6. Number and number name cards (41–50) (Lesson 12 +)
7. Flashcards (Lesson 15, 16 and 17)
8. Doubles hand out (Lesson 18)
9. Shape cut-outs (Lesson 21, 30, 38, 39 and 40)
10. Pattern strips (Lesson 21)
11. 1–20 number board (Lesson 23 and 24)
12. 1–50 number board (Lesson 25)
13. 0–20 number line (Lesson 22 and 23)
14. Money cut-outs – coins (Lesson 35, 36 and 37)
15. Shop items (Lesson 36)
16. Shapes to colour (Lesson 38, 39 and 40)

Resources for each day of teaching

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

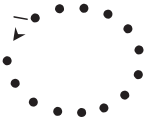
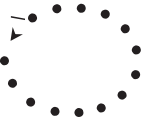
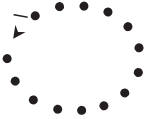
1. Amakhadi okutreyisa amanani (isifundo 1 neses 2)

2. Amakhadi okutreyisa amanani (isifundo 3 neses 4)

3. Amakhadi okutreyisa amanani (isifundo 5)

4. Number and number name cards (21–30) (Lesson 10 +)

21	twenty one
22	twenty two
23	twenty three
24	twenty four
25	twenty five

26	twenty six
27	twenty seven
28	twenty eight
29	twenty nine
30	thirty

4. Inani namakhadi anamanani (21–30) (isifundo 10)

21	amashumi amabini ananye
22	amashumi amabini anambini
23	amashumi amabini anantathu
24	amashumi amabini anane
25	amashumi amabini anesihlanu

26	amashumi amabini anesithandathu
27	amashumi amabini anesixhenxe
28	amashumi amabini anesibhozo
29	amashumi amabini anesithoba
30	amashumi am- athathu

5. Number and number name cards (31–40) (Lesson 11 +)

31	thirty one
32	thirty two
33	thirty three
34	thirty four
35	thirty five

36	thirty six
37	thirty seven
38	thirty eight
39	thirty nine
40	forty

5. Inani namakhadi anamanani (31–40) (isifundo 11)

31	amashumi am- athathu ananye
32	amashumi am- athathu anambini
33	amashumi amathathu anantathu
34	amashumi amathathu anane
35	amashumi amathathu anesihlanu

36	amashumi amathathu anesithandathu
37	amashumi amathathu anesixhenxe
38	amashumi amathathu anesibhozo
39	amashumi amathathu anesithoba
40	amashumi amane

6. Number and number name cards (41–50) (Lesson 12 +)

41	forty one
42	forty two
43	forty three
44	forty four
45	forty five

46	forty six
47	forty seven
48	forty eight
49	forty nine
50	fifty

6. Inani namakhadi anamanani (41–50) (isifundo 12)

41	amashumi amane ananye
42	amashumi amane anambini
43	amashumi amane anantathu
44	amashumi amane anane
45	amashumi amane anesihlanu

46	amashumi amane anesithandathu
47	amashumi amane anesixhenxe
48	amashumi amane anesibhozo
49	amashumi amane anesithoba
50	amashumi amahlanu

7. Flashcards (Lesson 15, 16 and 17)

+	makes	=
+	makes	=
+	makes	=
+	makes	=
+	makes	=
+	makes	=

7. Oonotsheluzza (isifundo 15, 26, nese 17)

+	benza	=
+	benza	=
+	benza	=
+	benza	=
+	benza	=
+	benza	=

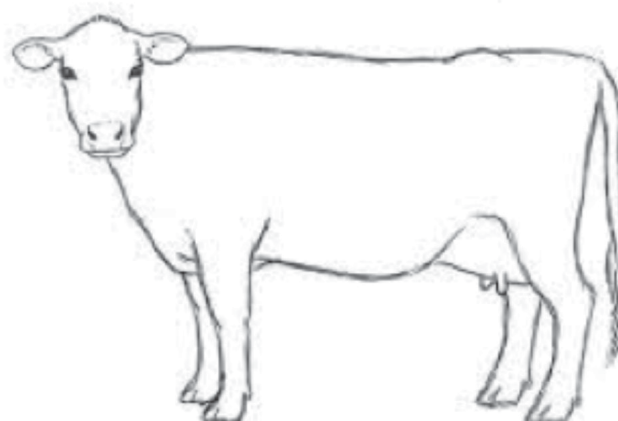
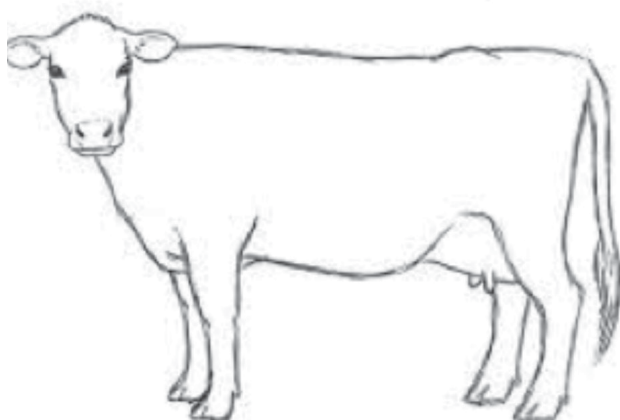
Make sure to use the correct form of 'make' in context in order to check subject verb agreement because : wenza, enza, etc. can be used

8. Izixhobo ezincedisa ukuphinda (isifundo 18)

iitraysikile



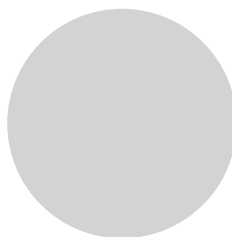
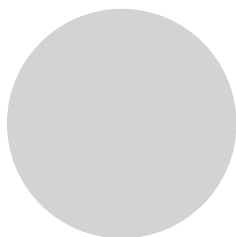
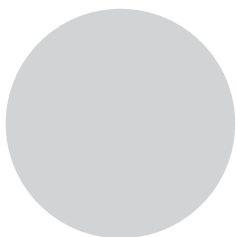
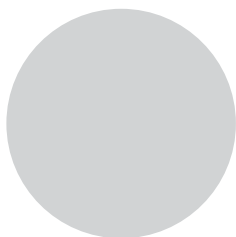
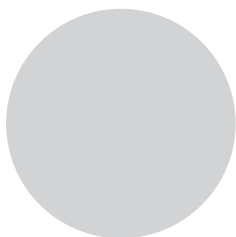
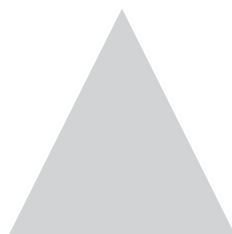
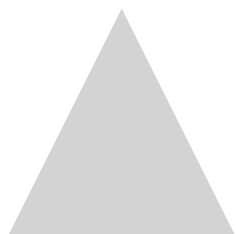
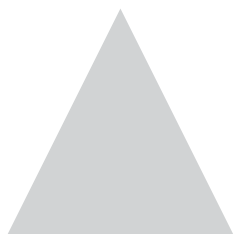
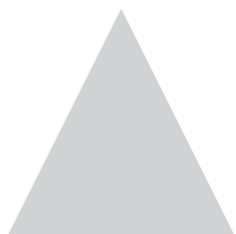
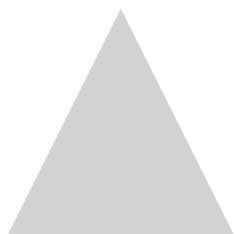
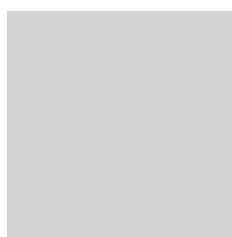
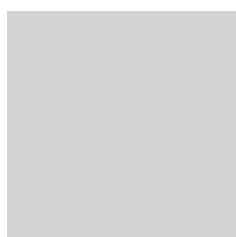
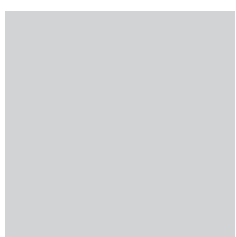
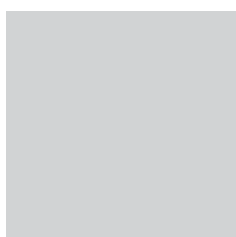
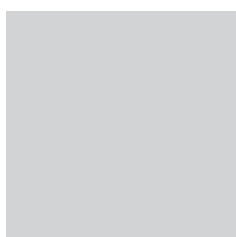
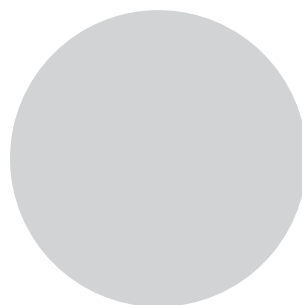
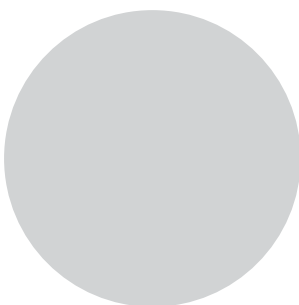
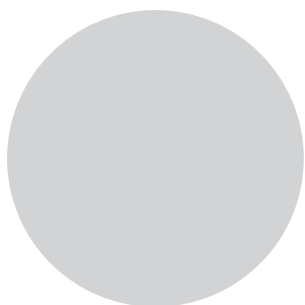
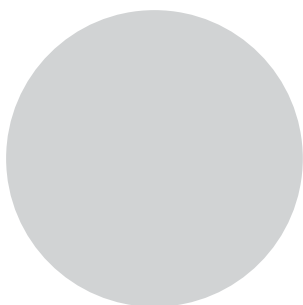
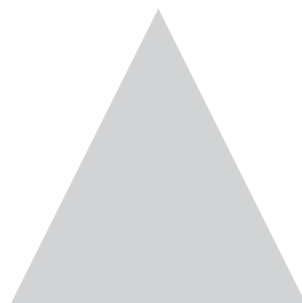
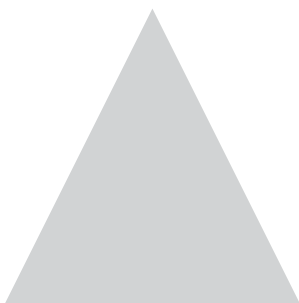
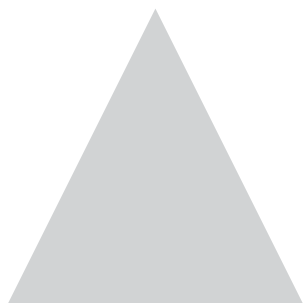
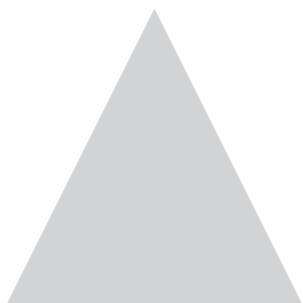
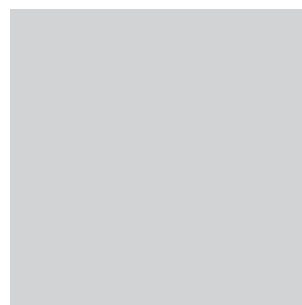
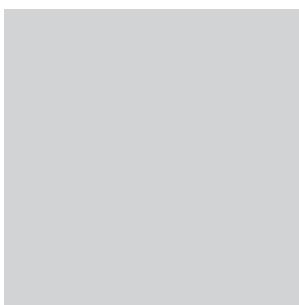
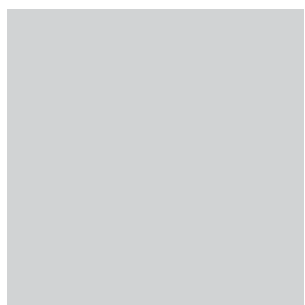
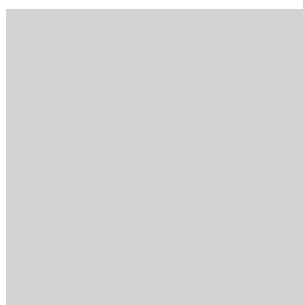
iinkomo



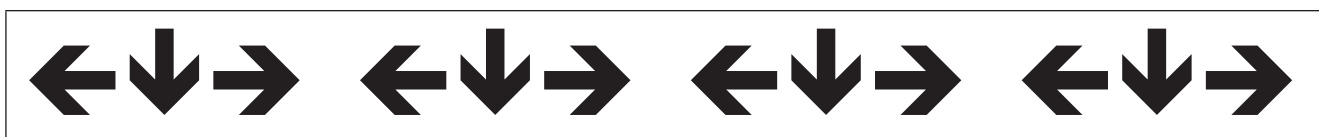
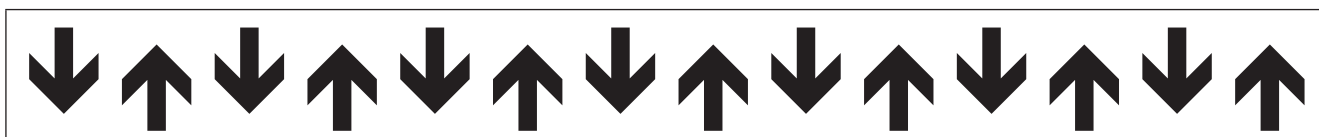
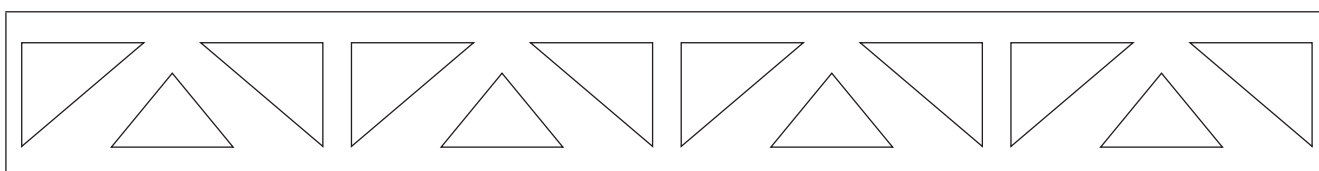
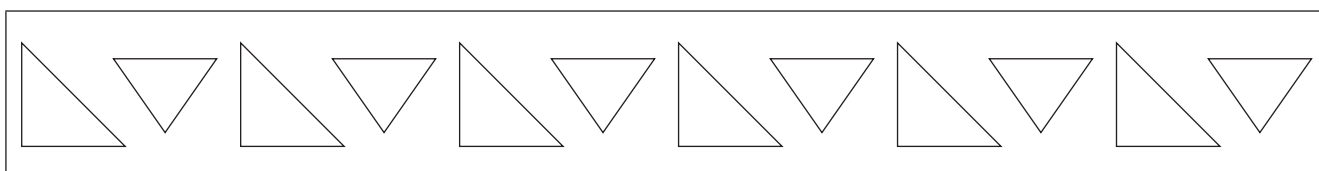
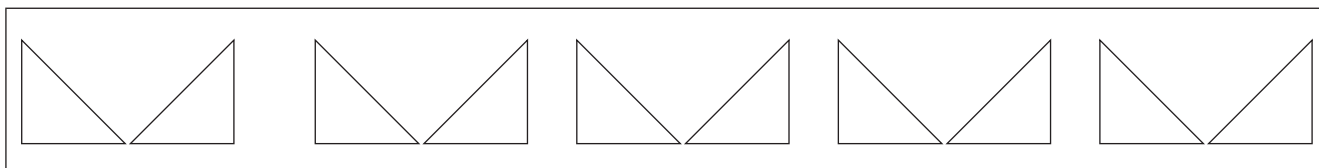
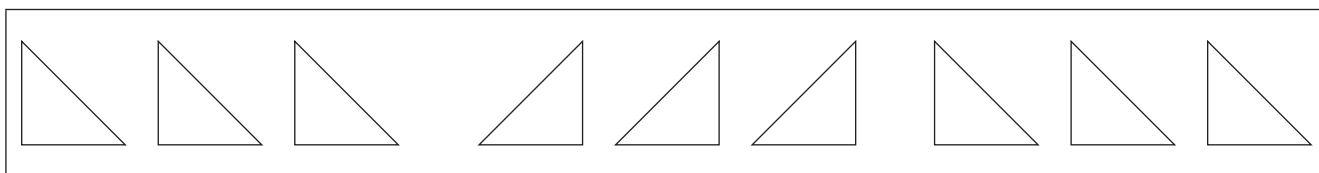
izandla



9. Imisiko yeemilo (izifundo 21+)



10. Imicu yeepatheni (isifundo 21)



11. Ibhodi yamanani ukusuka ku-1 – 20 (Isifundo 22 nesama- 23)

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

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

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

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

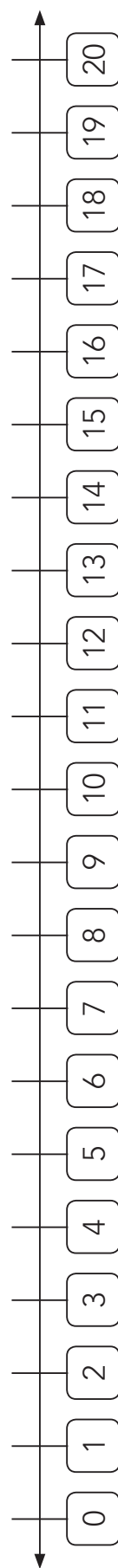
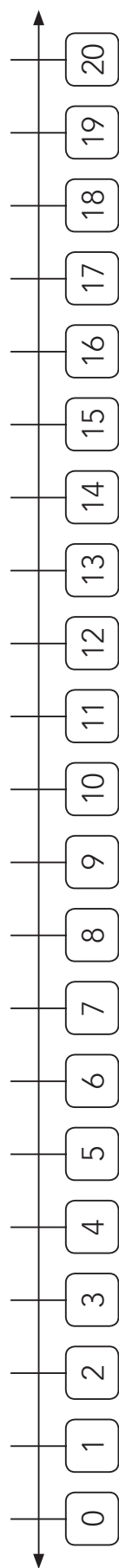
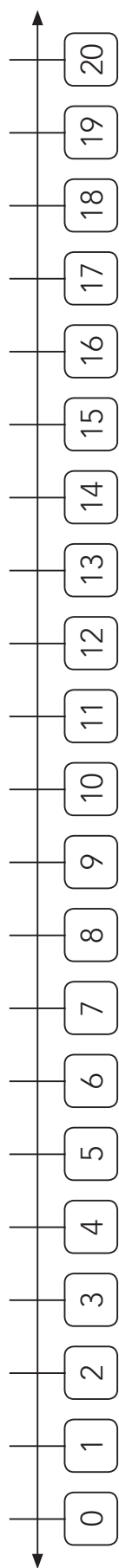
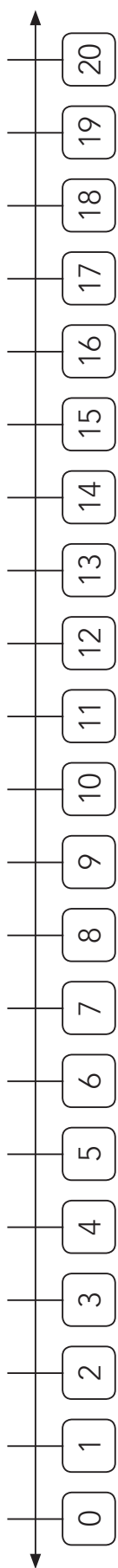
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

12. Ibhodi yamanani 1-50 (izifundo 25)

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

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

13. Umgca-manani 1-20 (izifundo 22 nesama-23)



14. Imisiko yemali - iingqekembe (izifundo 35, 36 nesama- 37)

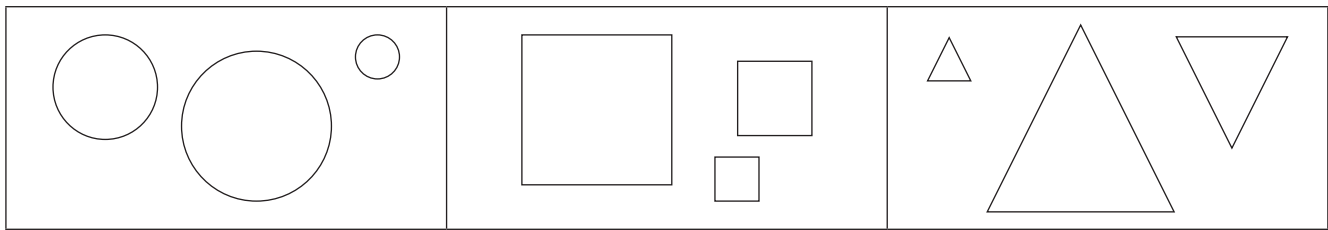
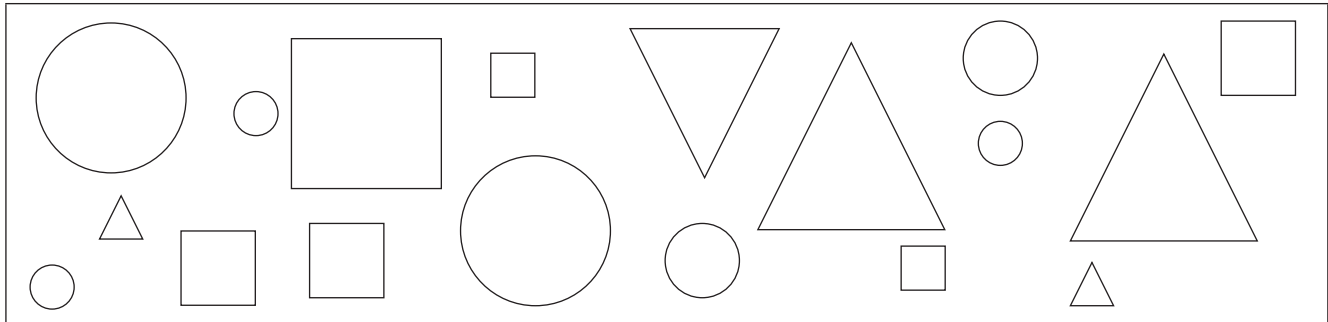


15. Izinto zasevenkileni (isifundo 36)

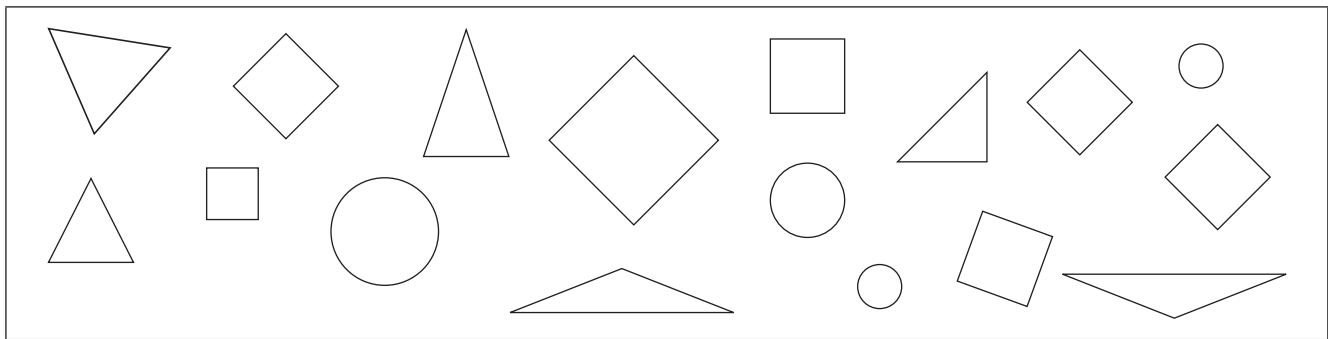


116. imilo zokufaka imibala (izifundo 38, 39 nezama 40)

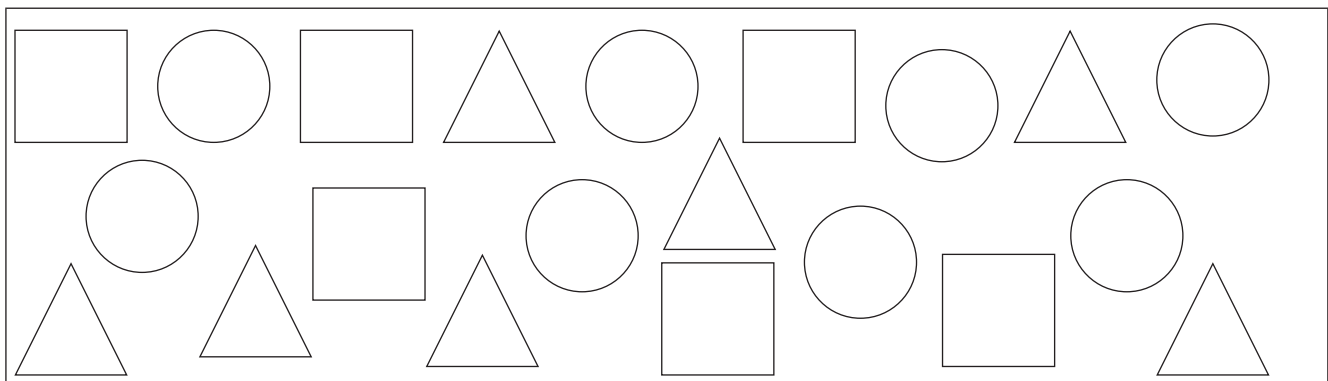
Isifundo 38



Isifundo 39



Isifundo 40



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 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

What number comes after?

Ikhadi Lezibalo ezingumceli-mngeni 1

Leliphi inani eliza emva kwe -?

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

Maths Challenge Card 2

What number comes before?

Ikhadi Lezibalo ezingumceli-mngeni 2

Leliphi inani eliza phambi kwe-?

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

Maths Challenge Card 3

Count

Ikhadi Lezibalo ezingumceli-mngeni 3

Bala

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

Maths Challenge Card 4

Order from smallest to biggest.

Ikhadi Lezibalo ezingumceli-mngeni 4

Landelelanisa amanani ukusuka kwelincinane ukuya kwelikhulu

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

Maths Challenge Card 1: Answers

What number comes after?

Ikhadi Lezibalo ezingumceli-mngeni 1: limpendulo

Leliphi inani eliza emva kwe -?

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

Maths Challenge Card 2: Answers

What number comes before?

Ikhadi Lezibalo ezingumceli-mngeni 2: limpendulo

Leliphi inani eliza phambi kwe-?

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

Maths Challenge Card 3: Answers

Count

Ikhadi Lezibalo ezingumceli-mngeni 3: limpendulo

Bala

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

Maths Challenge Card 4: Answers

Order from smallest to biggest.

Ikhadi Lezibalo ezingumceli-mngeni 4: limpendulo

Landelelanisa amanani ukusuka kwelincinane ukuya kwelikhulu.

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

Maths Challenge Card 5

1 more than

Ikhadi Lezibalo ezingumceli-mngeni 5

Lingaphezulu nge-1 kwi-:

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

Maths Challenge Card 6

2 more than

Ikhadi Lezibalo ezingumceli-mngeni 6

Lingaphezulu ngesi-2 kwi-:

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

Maths Challenge Card 7

1 less than

Ikhadi Lezibalo ezingumceli-mngeni 7

Lincinane ngesi-1kune -:

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

Maths Challenge Card 8

Add

Ikhadi Lezibalo ezingumceli-mngeni 8

Dibanisa

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

Maths Challenge Card 5: Answers

1 more than

Ikhadi Lezibalo ezingumceli-mngeni 5: limpendulo

Lingaphezulu nge-1 kwi- :

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

Maths Challenge Card 6: Answers

2 more than

Ikhadi Lezibalo ezingumceli-mngeni 6: limpendulo

Lingaphezulu ngesi-2 kwi-:

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

Maths Challenge Card 7: Answers

1 less than

Ikhadi Lezibalo ezingumceli-mngeni 7: limpendulo

Lincinane ngesi-1kune -:

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

Maths Challenge Card 8: Answers

Add

Ikhadi Lezibalo ezingumceli-mngeni 8: limpendulo

Dibanisa

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

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 questions about any of the enrichment activities that they are doing, so that you can guide them as necessary.

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Put the cardboard laminated cards into a box in a set place in your classroom, so that learners know where to find them. These cards are for all learners and do not have to be used in a particular order. Learners should keep a record of the cards that they have done, so that they 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 2.1

How many fives can you find?

1	5	5		3	4
	3			3	4
3	2	5	1		1
	1	2	5	5	4
3	5	4	1	3	4
4	2	1	5	2	1
5	5	2	5	4	2
3	1		1	4	4
4		2			2

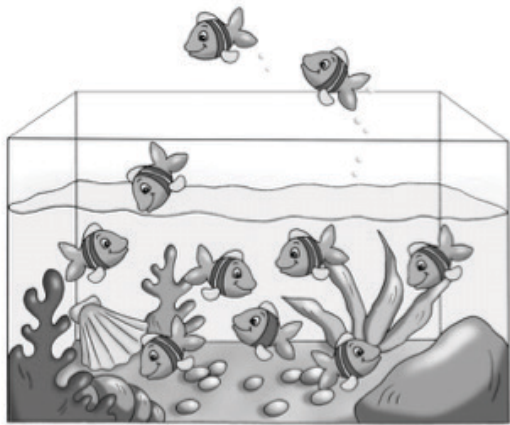
Enrichment Activity 2.2

How many blocks do you find with the answer five?

$1 + 2$	$3 + 1$	$1 + 3$	
	$2 + 2$		
$4 + 0$	$4 + 1$	$2 + 0$	$2 + 3$
	$2 + 1 + 1$	$1 + 1$	$1 + 1 + 1$
$3 + 1 + 1$	$2 + 1$	$3 + 2$	$2 + 2 + 1$
$0 + 5$	$1 + 4$	$2 + 0 + 3$	$1 + 2$
$1 + 0 + 1$	$0 + 2$	$0 + 4$	$5 + 0$

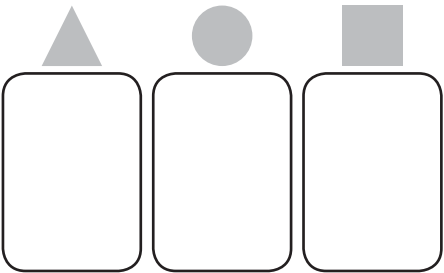
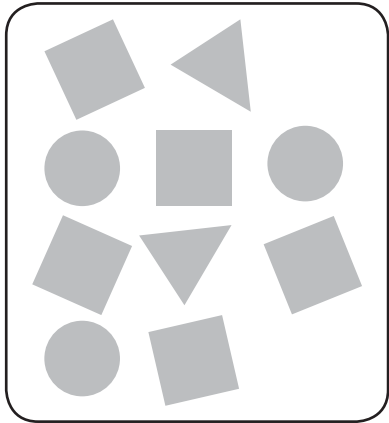
Enrichment Activity 2.3

Divide the fish equally amongst the bowls.



Enrichment Activity 2.4

Sort the shapes in the boxes below.



Enrichment Activity 2.1: Answers

There are 10 number fives.

Enrichment Activity 2.2: Answers

9 blocks have an answer of 5.

$1 + 2$	$3 + 1$	$1 + 3$	
	$2 + 2$		
$4 + 0$	$4 + 1$	$2 + 0$	$2 + 3$
	$2 + 1 + 1$	$1 + 1$	$1 + 1 + 1$
$3 + 1 + 1$	$2 + 1$	$3 + 2$	$2 + 2 + 1$
$0 + 5$	$1 + 4$	$2 + 0 + 3$	$1 + 2$
$1 + 0 + 1$	$0 + 2$	$0 + 4$	$5 + 0$

Enrichment Activity 2.3: Answers

Two fish in each bowl.



Enrichment Activity 2.4: Answers

Note that the orientation of the triangles and squares differs.

Enrichment Activity 2.5

Find the path from start to end by placing small stones on 6.

Start		ten		
	6			7
		six		
8		9		End

Enrichment Activity 2.6

Find the path from start to end by placing small stones on 7.

End	7		four	
	one			8
		seven		
Start	9			three

Enrichment Activity 2.7

Find the path from start to end by placing small stones on 8.

End		two		6
	8			ten
7			eight	
four			9	Start

Enrichment Activity 2.8

Find the path from start to end by placing small stones on 9.

2		six		Start
ten			6	
	4			nine
End			9	

Enrichment Activity 2.5: Answers

Start		ten		
	6			7
		six		
8		9		End

Enrichment Activity 2.6: Answers

End	7		four	
	one			8
		seven		
Start	9			three

Enrichment Activity 2.7: Answers

End		two		6
	8			ten
7			eight	
four			9	Start

Enrichment Activity 2.8: Answers

2		six		Start
ten			6	
	4			nine
End			9	

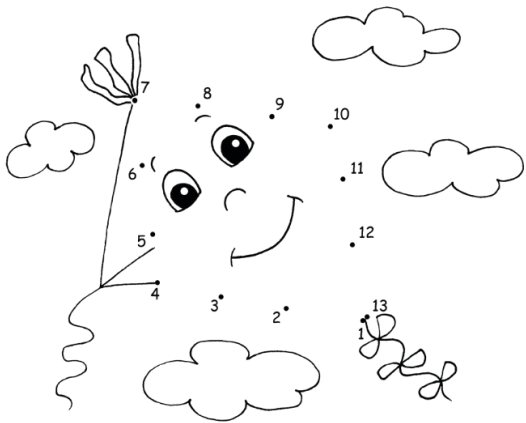
Enrichment Activity 2.9

Find the path from start to end by placing small stones on 10.

nine	7			End
8		six		
	ten			10
Start		seven	9	

Enrichment Activity 2.10

Follow the numbers to complete the picture.



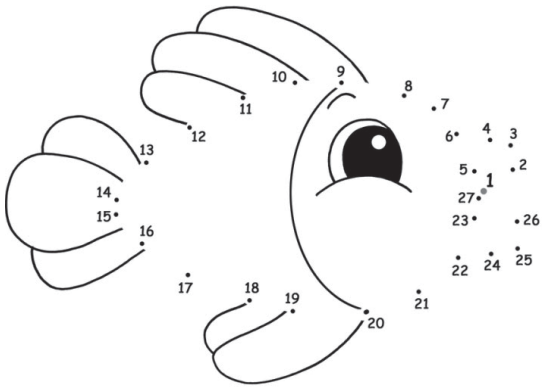
Enrichment Activity 2.11

Complete the Suduko board only using numbers 1 to 4.

			2
	1		4
3		4	
1			

Enrichment Activity 2.12

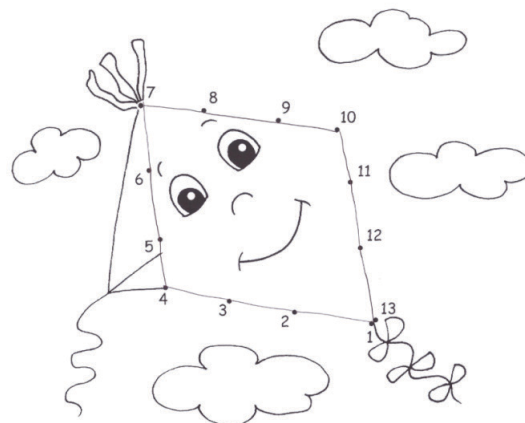
Follow the numbers to complete the picture.



Enrichment Activity 2.9: Answers

nine	7			End
8		six		
	ten			10
Start		seven	9	

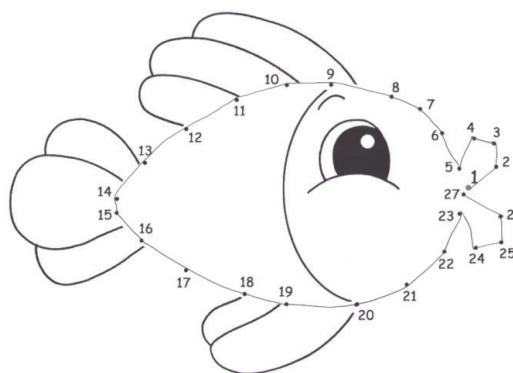
Enrichment Activity 2.10: Answers



Enrichment Activity 2.11: Answers

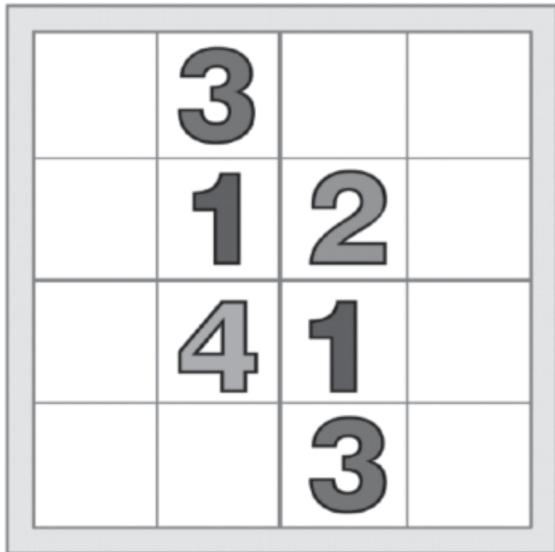
4	3	1	2
2	1	3	4
3	2	4	1
1	4	2	3

Enrichment Activity 2.12: Answers



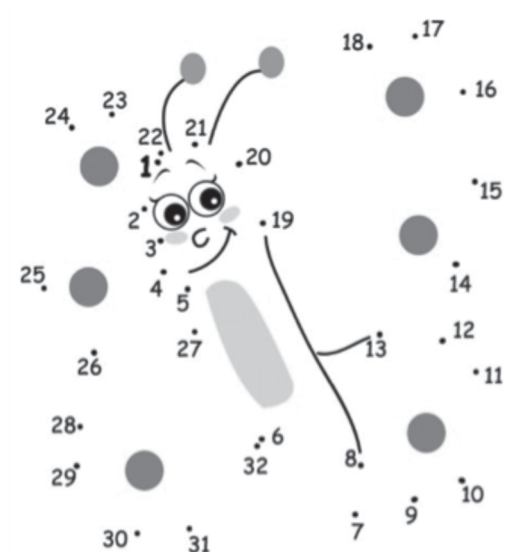
Enrichment Activity 2.13

Complete the Sudoku puzzle using numbers 1 to 4.



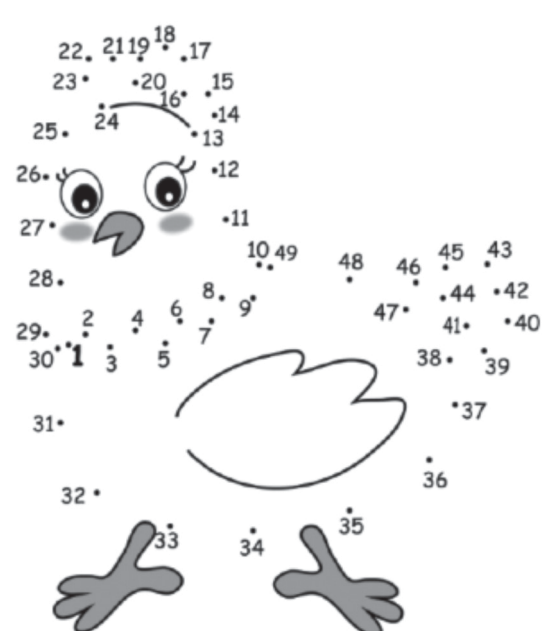
Enrichment Activity 2.14

Complete the number to number picture.



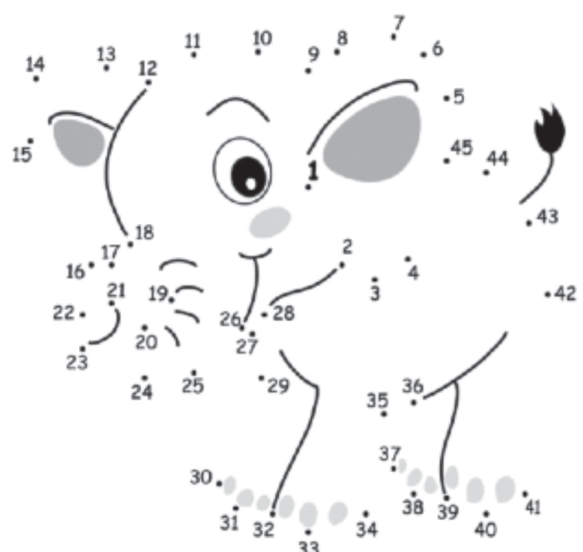
Enrichment Activity 2.15

Complete the number to number picture.



Enrichment Activity 2.16

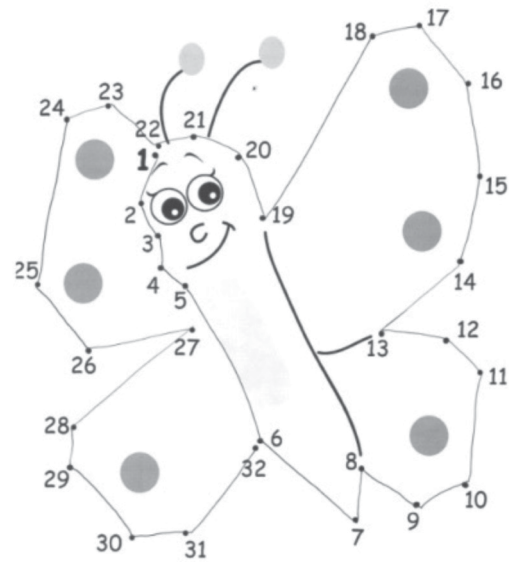
Complete the number to number picture.



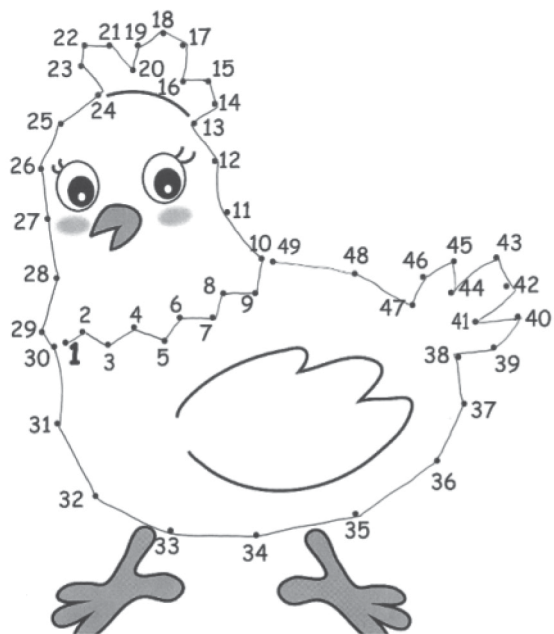
Enrichment Activity 2.13: Answers

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

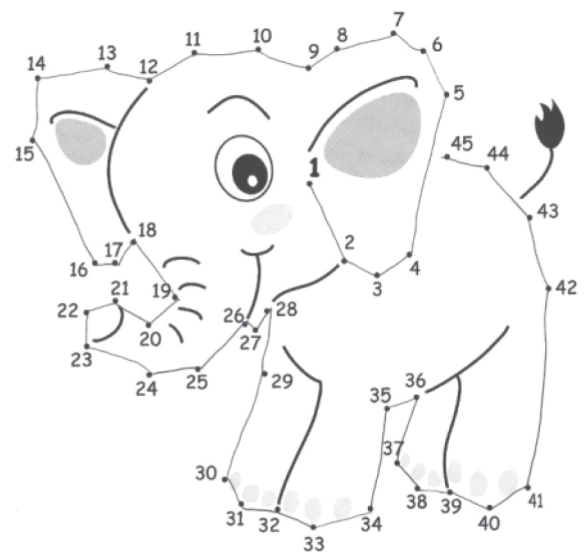
Enrichment Activity 2.14: Answers



Enrichment Activity 2.15: Answers

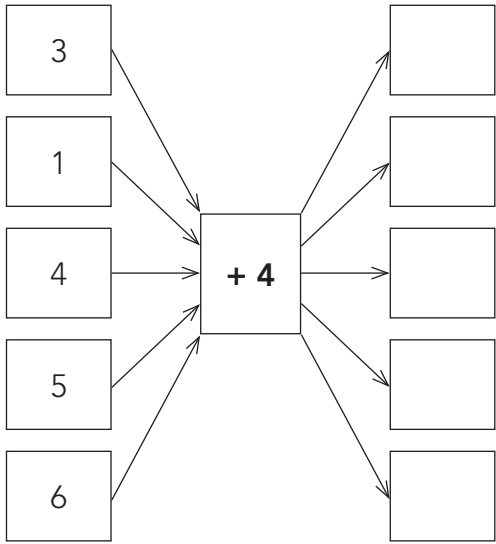


Enrichment Activity 2.16: Answers



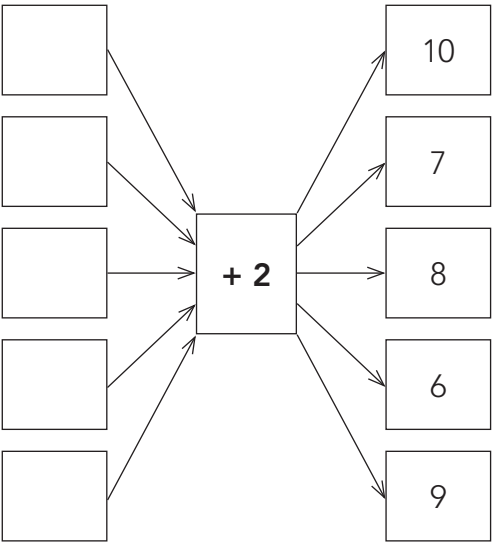
Enrichment Activity 2.17

Complete the spider diagram.



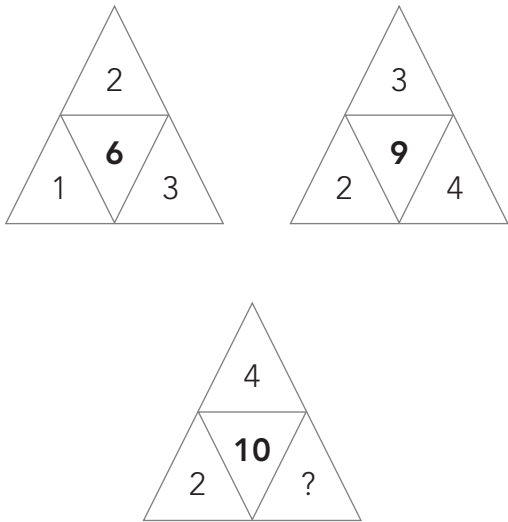
Enrichment Activity 2.18

Complete the spider diagram.



Enrichment Activity 2.19

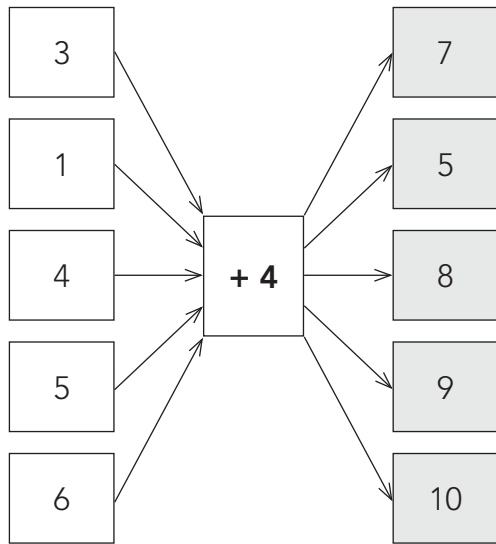
Look at the two top triangles, then work out what number should replace the question mark in the bottom triangle.



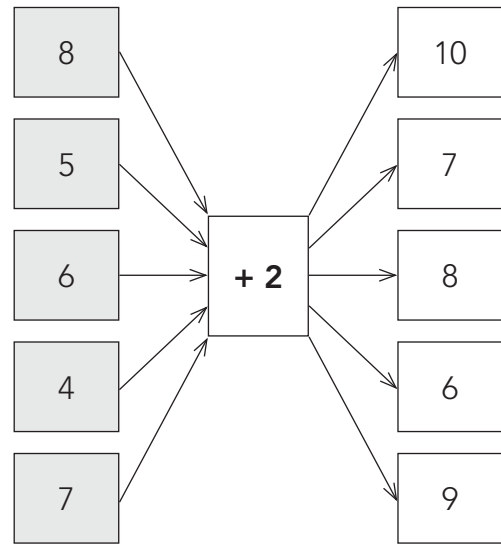
Enrichment Activity 2.20

I bought 4 sweets. My sister bought 3 sweets and my cousin five sweets. How many sweets did my cousin and I buy altogether?

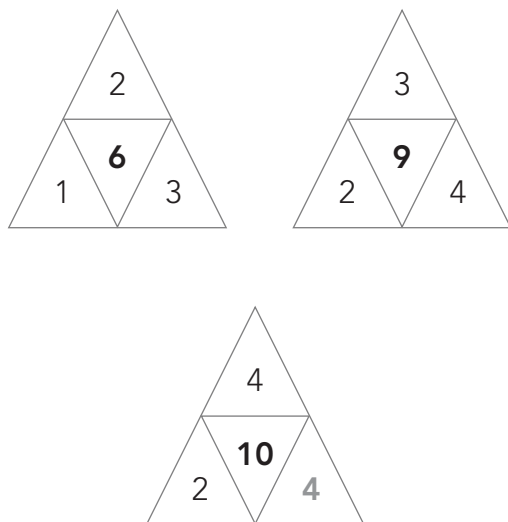
Enrichment Activity 2.17: Answers



Enrichment Activity 2.18: Answers



Enrichment Activity 2.19: Answers



Enrichment Activity 2.20: Answers

Note that the question asks: "How many sweets did my cousin (not my sister) and I buy altogether?"

$$4 + 5 = 9$$

My cousin and I bought 9 sweets altogether.

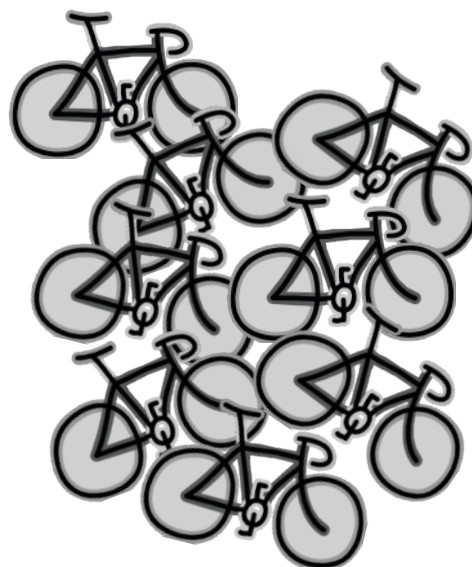
Enrichment Activity 2.21

How many pairs of shoes can you make?



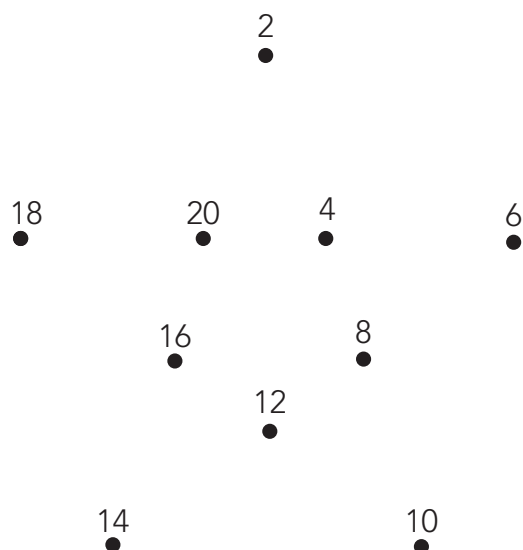
Enrichment Activity 2.22

How many bicycle wheels are there?



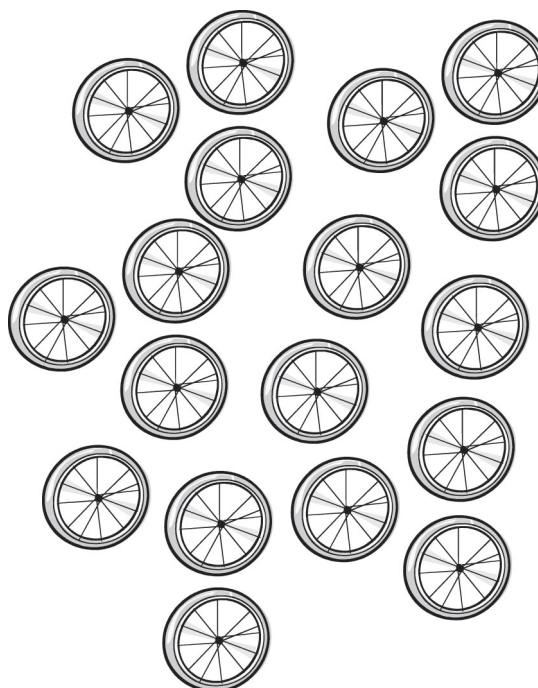
Enrichment Activity 2.23

Count in twos. What shape does it form?



Enrichment Activity 2.24

How many tricycles can you build?



Enrichment Activity 2.21: Answers

There are 16 shoes.

If I put it in groups of 2, I will get 8 groups.

There are 8 pairs of shoes.

Enrichment Activity 2.22: Answers

There are 8 bicycles.

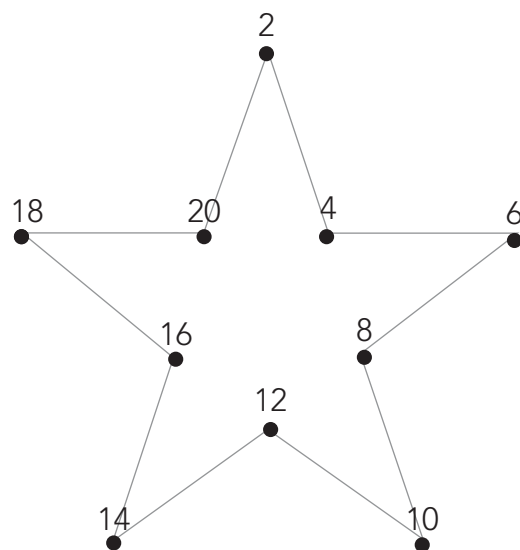
Each bicycle has 2 wheels.

I can count it: 2, 4, 6, 8, 10, 12, 14, 16.

There are 16 bicycle wheels.

Enrichment Activity 2.23: Answers

A star.

**Enrichment Activity 2.24: Answers**

There are 18 tricycle wheels.

If I place it in groups of 3, I can make 6 groups with 3 tricycle wheels each.

I can build 6 tricycles.

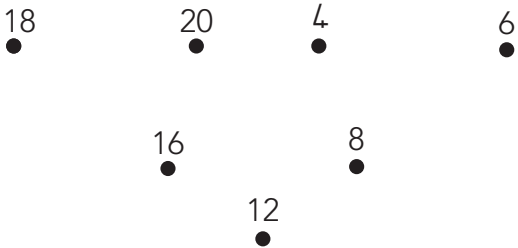
Enrichment Activity 2.25

If you could see the legs, how many legs would there be?



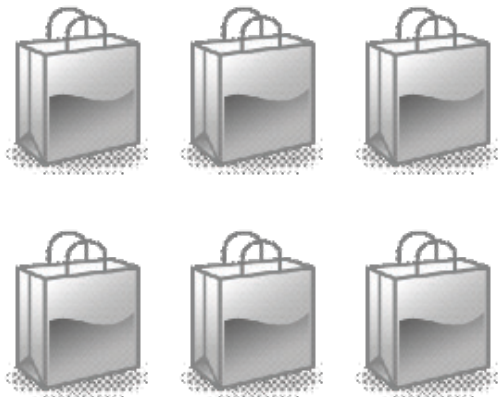
Enrichment Activity 2.26

- If there are five cars in the parking lot, how many wheels will there be?
- If there are seven lions in the park, how many legs will they have altogether?



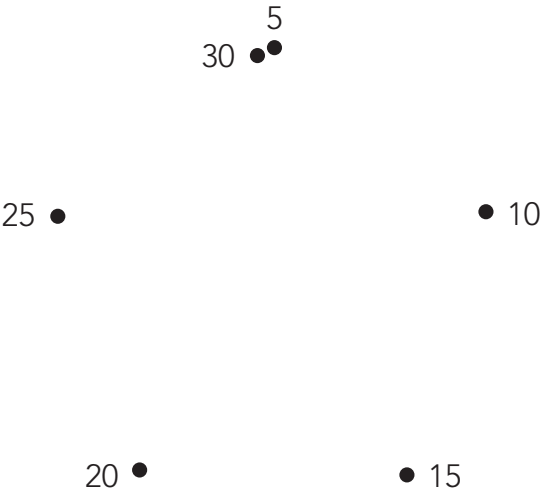
Enrichment Activity 2.27

There are five sweets in each bag. How many sweets are there altogether?



Enrichment Activity 2.28

What shape do you form if you join the dots?



Enrichment Activity 2.25: Answers

Let us count: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40.

There are 40 legs altogether.

Enrichment Activity 2.26: Answers

$$4 + 4 + 4 + 4 + 4 = 20$$

Let us count: 4, 8, 12, 16, 20.

There are 20 wheels.

$$4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = 28$$

Let us count: 4, 8, 12, 16, 20, 24, 28.

There are 28 legs.

Enrichment Activity 2.27: Answers

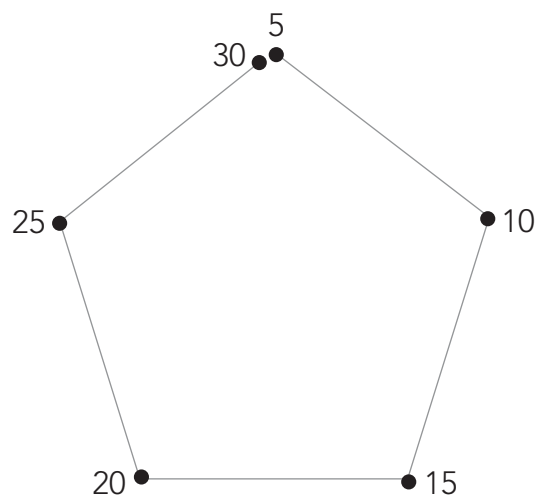
$$5 + 5 + 5 + 5 + 5 + 5 = 30$$

Let us count: 5, 10, 15, 20, 25, 30.

There are 30 sweets altogether.

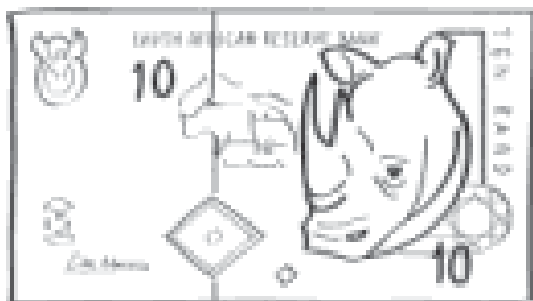
Enrichment Activity 2.28: Answers

Pentagon



Enrichment Activity 2.29

Compare the old and new R10 note.



Did you find more differences or similarities?

Enrichment Activity 2.30

This is your shop. Make up your own story about it. Share it with the class.



Enrichment Activity 2.31

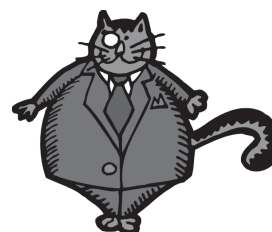


How many different ways can you make 20c?

Draw it.

Enrichment Activity 2.32

Look at the pictures and write your own word problem.



Enrichment Activity 2.29: Answers

Both have a rhino on them – one of the Big Five.

On the old R10 the rhino looks to the left and on the new to the right.

There are two number tens on the old R10 note and only one on the new note.

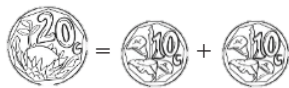
Enrichment Activity 2.30: Answers

Your own story.

Did you use words such as?

- Buy
- Sell
- Money
- Rands
- Cents
- 4 glasses
- 1 glass

Enrichment Activity 2.31: Answers

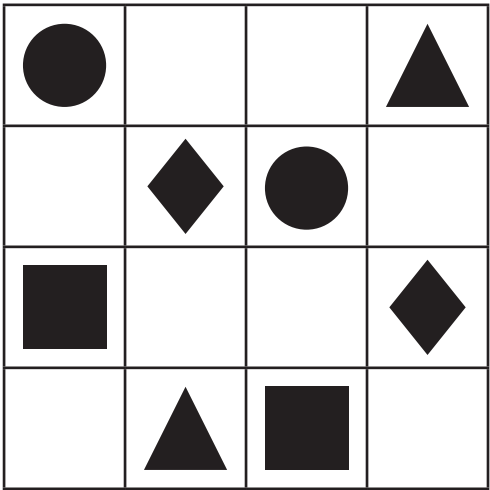


Enrichment Activity 2.32: Answers

There were 7 mice. The cat caught 4 mice.
How many mice are left?

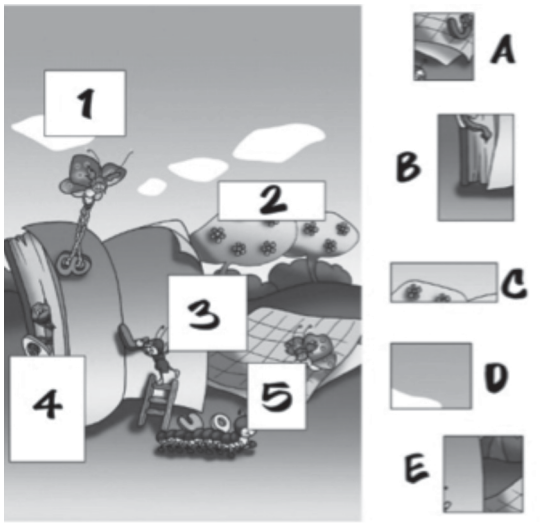
Enrichment Activity 2.33

Fill in the missing Sudoku shapes.



Enrichment Activity 2.34

Match the missing pieces to complete the picture.



Enrichment Activity 2.35

How many fingers do these children have in total?

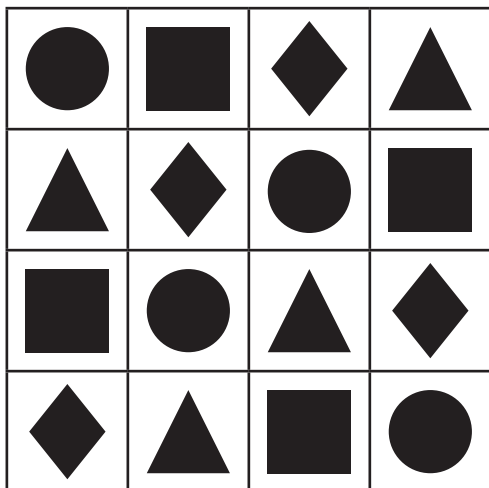


Enrichment Activity 2.36

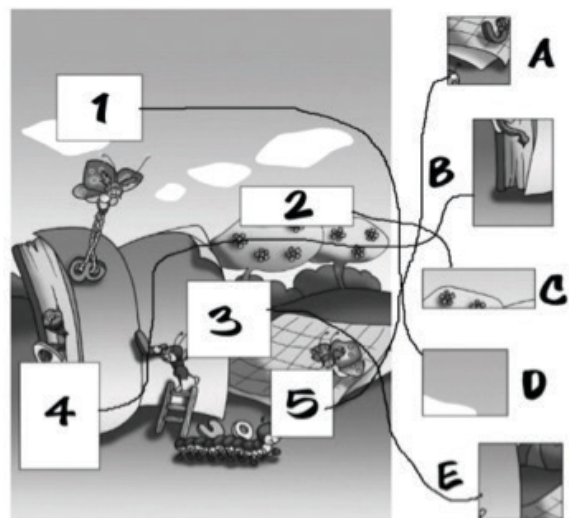
What numbers are hidden under the circles?

1	2	3	4	5	6	7	8	9	●
11	12	13	14	15	16	17	18	19	●
21	22	23	24	25	26	27	28	29	●
31	32	33	34	35	36	37	38	39	●
41	42	43	44	45	46	47	48	49	●
51	52	53	54	55	56	57	58	59	●
61	62	63	64	65	66	67	68	69	●
71	72	73	74	75	76	77	78	79	●
81	82	83	84	85	86	87	88	89	●
91	92	93	94	95	96	97	98	99	●

Enrichment Activity 2.33: Answers



Enrichment Activity 2.34: Answers



Enrichment Activity 2.35: Answers

There are 9 children.

Each child has 10 fingers.

You can count:

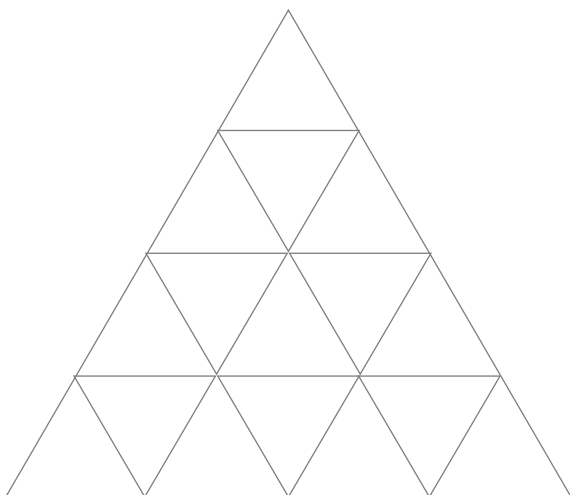
10, 20, 30, 40, 50, 60, 70, 80, 90.

Enrichment Activity 2.36: Answers

Counting in tens: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100.

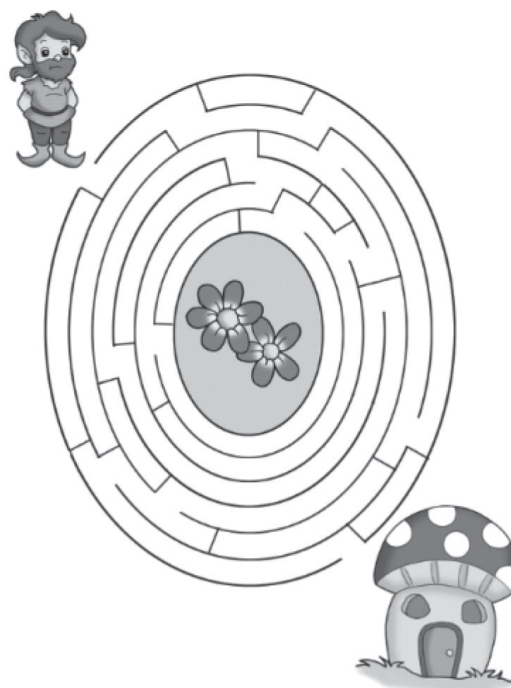
Enrichment Activity 2.37

How many triangles do you see?



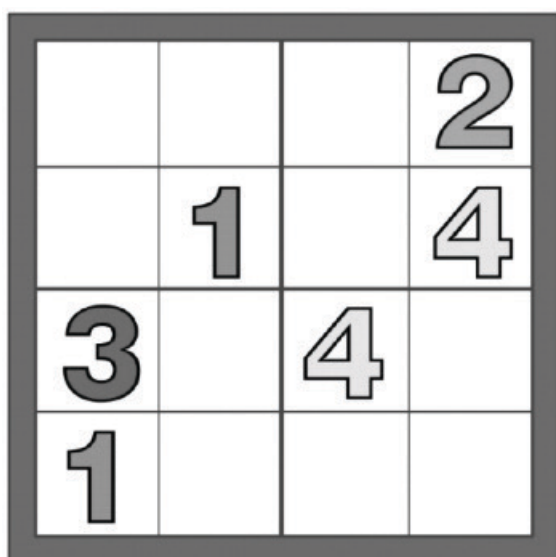
Enrichment Activity 2.38

Help the dwarf to get to his house.



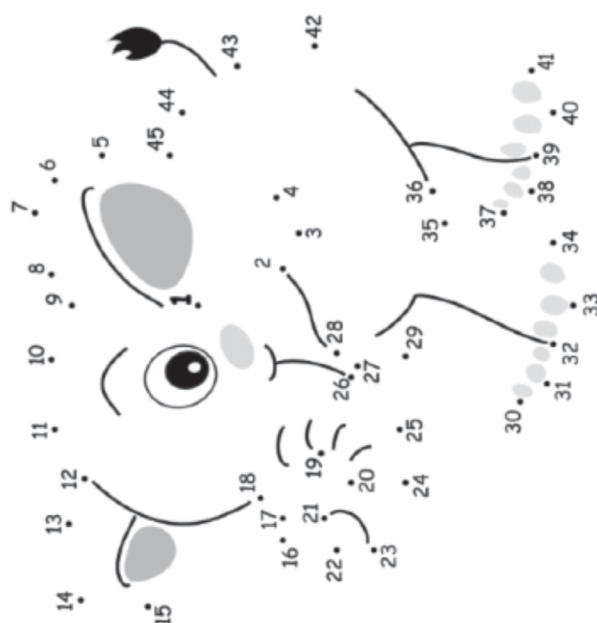
Enrichment Activity 2.39

Redraw and complete the Suduko puzzle.



Enrichment Activity 2.40

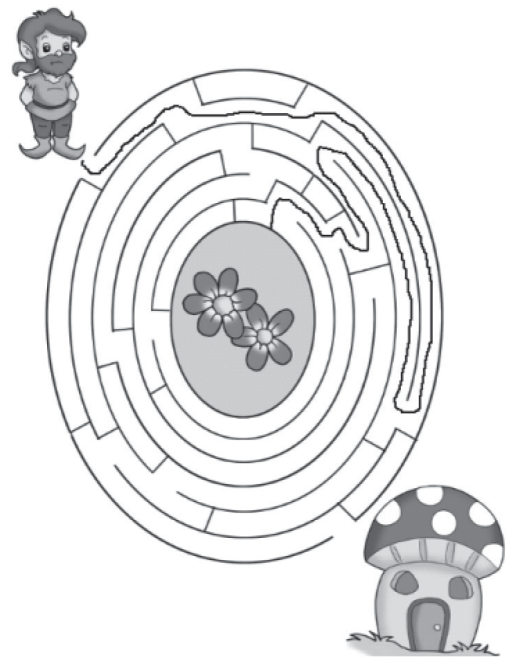
Count in ones. What animal is it?



Enrichment Activity 2.37: Answers

There are 16 small triangles.
But you can even have more when you combine some triangles.
See how many more you can find.

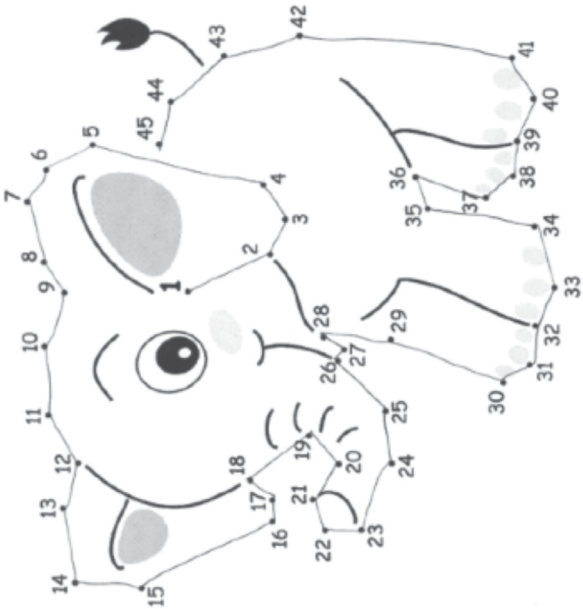
Enrichment Activity 2.38: Answers



Enrichment Activity 2.39: Answers

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

Enrichment Activity 2.40: Answers



Enrichment Activity Cards: isiXhosa Version

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

Use of the enrichment activity cards

Optional as required.

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

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

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

Umsebenzi Wophuculo 2.1

Zingaphi izi-5 onokuzifumana?

1	5	5		3	4
	3			3	4
3	2	5	1		1
	1	2	5	5	4
3	5	4	1	3	4
4	2	1	5	2	1
5	5	2	5	4	2
3	1		1	4	4
4		2			2

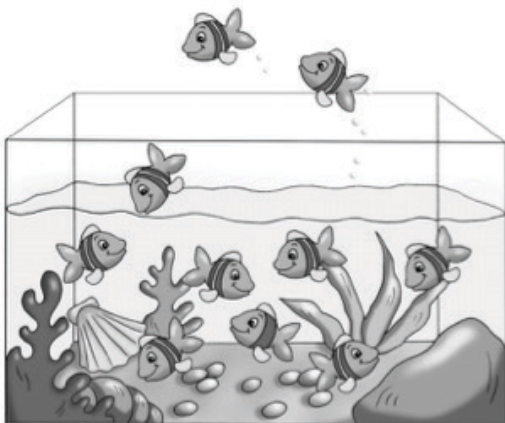
Umsebenzi Wophuculo 2.2

Zingaphi iibhloko ezineempendulo ezisisi-5 ozifumanayo?

$1 + 2$	$3 + 1$	$1 + 3$	
	$2 + 2$		
$4 + 0$	$4 + 1$	$2 + 0$	$2 + 3$
	$2 + 1 + 1$	$1 + 1$	$1 + 1 + 1$
$3 + 1 + 1$	$2 + 1$	$3 + 2$	$2 + 2 + 1$
$0 + 5$	$1 + 4$	$2 + 0 + 3$	$1 + 2$
$1 + 0 + 1$	$0 + 2$	$0 + 4$	$5 + 0$

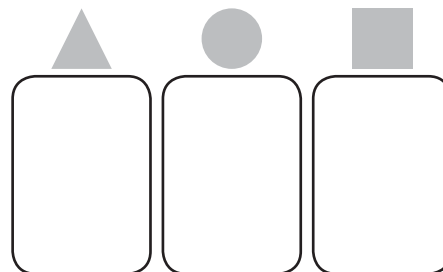
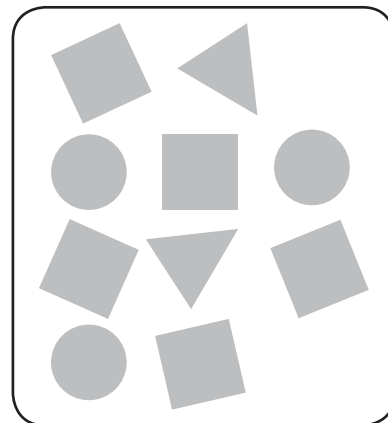
Umsebenzi Wophuculo 2.3

Yahlula iintlanzi ezityeni ngokulinganayo.



Umsebenzi Wophuculo 2.4

Hlela iimilo kwiibhokisi ezingezantsi.



Umsebenzi Wophuculo 2.1: limpendulo

Ali-10 amanani azizi -5.

Umsebenzi Wophuculo 2.2: limpendulo

Zili-9 iibhloko ezineempendulo ezisisi-5.

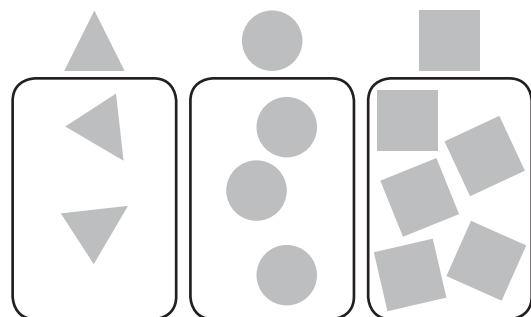
$1 + 2$	$3 + 1$	$1 + 3$	
	$2 + 2$		
$4 + 0$	$4 + 1$	$2 + 0$	$2 + 3$
	$2 + 1 + 1$	$1 + 1$	$1 + 1 + 1$
$3 + 1 + 1$	$2 + 1$	$3 + 2$	$2 + 2 + 1$
$0 + 5$	$1 + 4$	$2 + 0 + 3$	$1 + 2$
$1 + 0 + 1$	$0 + 2$	$0 + 4$	$5 + 0$

Umsebenzi Wophuculo 2.3: limpendulo

Iintlanzi ezimbini kwisitya ngasinye.



Umsebenzi Wophuculo 2.4: limpendulo



Qaphela ukuba oonxantathu nezikwere zimi ngokwahlukileyo.

Umsebenzi Wophuculo 2.5

Khangela indlela esuka ekuqaleni ukuya esiphelweni ngokubeka amatye amancinci kwisi-6.

Qala		ishumi		
	6			7
		isithan-dathu		
8		9		Isiphelo

Umsebenzi Wophuculo 2.6

Khangela indlela esuka ekuqaleni ukuya esiphelweni ngokubeka amatye amancinci kwisi-7.

Isiphelo	7		isine	
	isine			8
		isix-henze		
Qala	9			isithathu

Umsebenzi Wophuculo 2.7

Khangela indlela esuka ekuqaleni ukuya esiphelweni ngokubeka amatye amancinci kwisi-8.

Isiphelo		isibini		6
	8			ishumi
7			isibhozo	
isine			9	Qala

Umsebenzi Wophuculo 2.8

Khangela indlela esuka ekuqaleni ukuya esiphelweni ngokubeka amatye amancinci kwisi-9.

2		isithan-dathu		Qala
ishumi			6	
	4		isithoba	
Isiphelo			9	

Umsebenzi Wophuculo 2.5: limpendulo

Qala		ishumi		
	6			7
		isithan-dathu		
8		9		Isiphelo

Umsebenzi Wophuculo 2.6: limpendulo

Isiphelo	7		isine	
	isinye			8
		isix-henze		
Qala	9			isithathu

Umsebenzi Wophuculo 2.7: limpendulo

Isiphelo		isibini		6
	8			ishumi
7			isibhozo	
isine			9	Qala

Umsebenzi Wophuculo 2.8: limpendulo

2		isithan-dathu		Qala
ishumi			6	
	4			isithoba
Isiphelo			9	

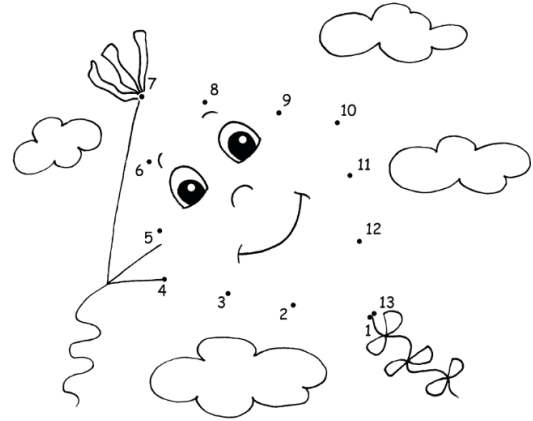
Umsebenzi Wophuculo 2.9

Khangela indlela esuka ekuqaleni ukuya esiphelweni ngokubeka amatye amancinci kwi-10.

isithoba	7			Isiphelo
8		isithan-dathu		
	ishumi			10
Qala		isix-henxe	9	

Umsebenzi Wophuculo 2.10

Gqibezela umfanekiso ngokulandelelanisa amanani.



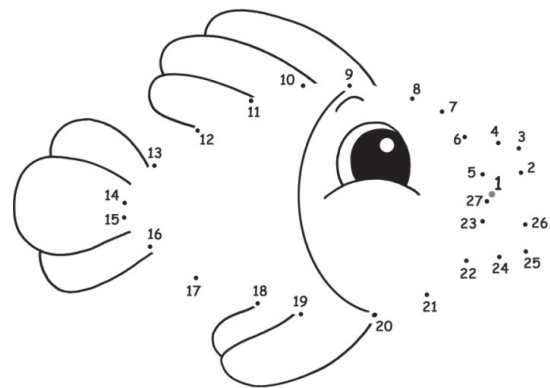
Umsebenzi Wophuculo 2.11

Gcwalisa ibhodi yeSudoku ngokuthi usebenzise amanani aqala kwisi-1 ukuya kwisi-4.

			2
	1		4
3		4	
1			

Umsebenzi Wophuculo 2.12

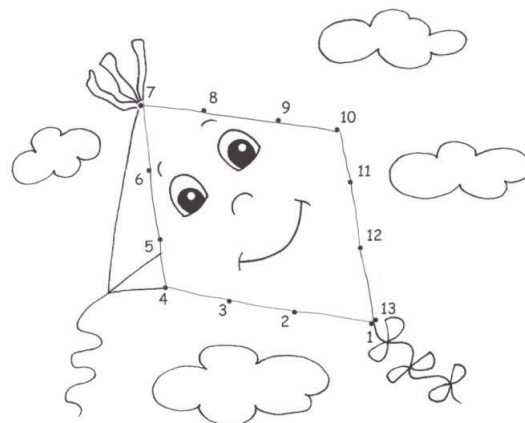
Gqibezela umfanekiso ngokulandelelanisa amanani.



Umsebenzi Wophuculo 2.9: limpendulo

isithoba	7			Isiphelo
8		isithan-dathu		
	ishumi			10
Qala		isix-henxe	9	

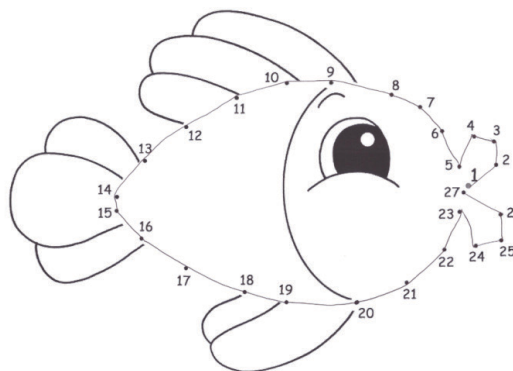
Umsebenzi Wophuculo 2.10: limpendulo



Umsebenzi Wophuculo 2.11: limpendulo

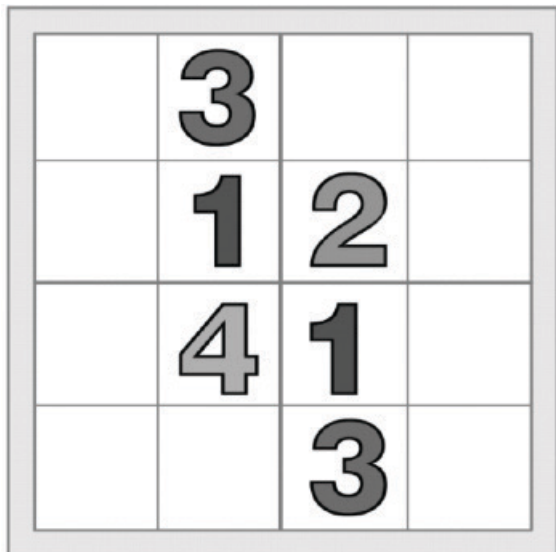
4	3	1	2
2	1	3	4
3	2	4	1
1	4	2	3

Umsebenzi Wophuculo 2.12: limpendulo



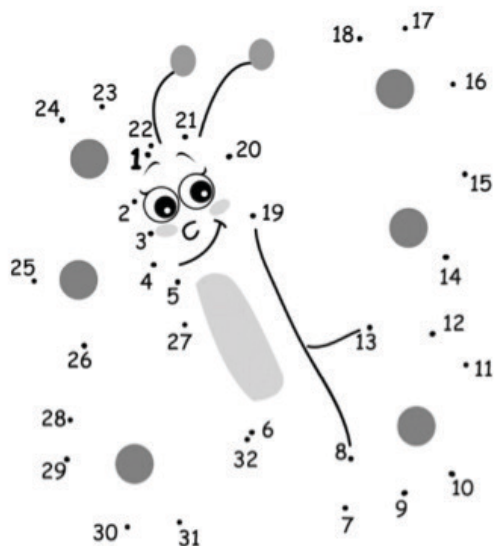
Umsebenzi Wophuculo 2.13

Gcwalisa ibhodi yeSudoku ngokuthi usebenzise amanani aqala kwisi-1 ukuya kwisi-4.



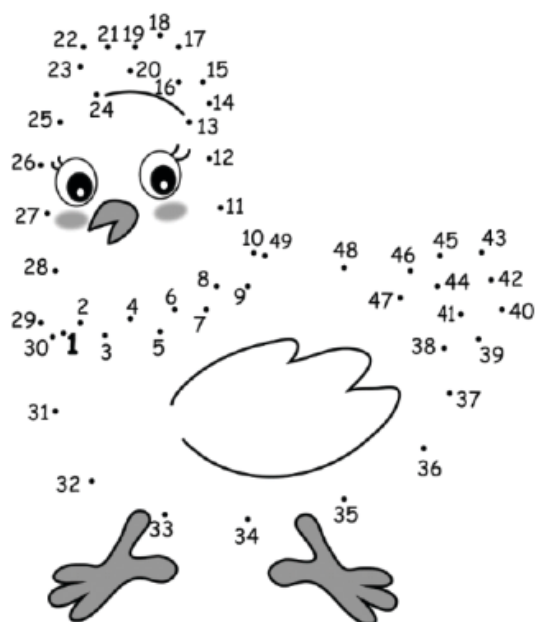
Umsebenzi Wophuculo 2.14

Gqibezela umfanekiso ngokuthi ulandelelanise amanani.



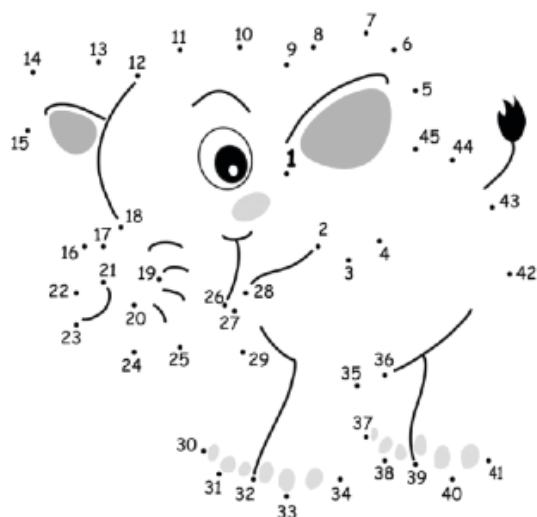
Umsebenzi Wophuculo 2.15

Gqibezela umfanekiso ngokuthi ulandelelanise amanani.

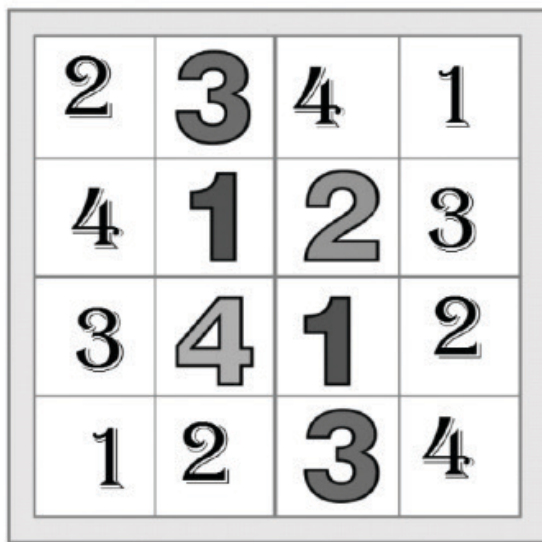


Umsebenzi Wophuculo 2.16

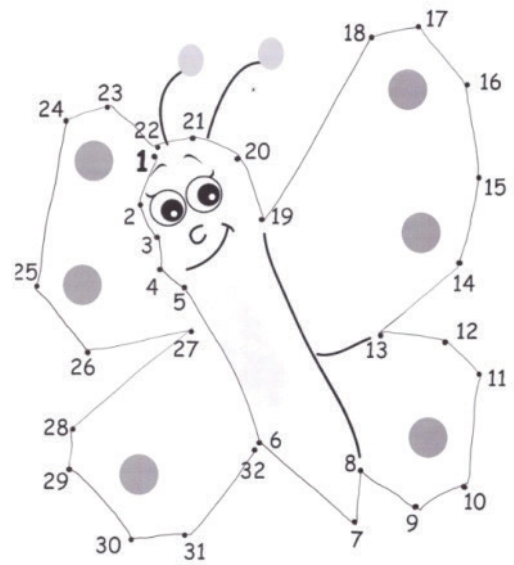
Gqibezela umfanekiso ngokuthi ulandelelanise amanani.



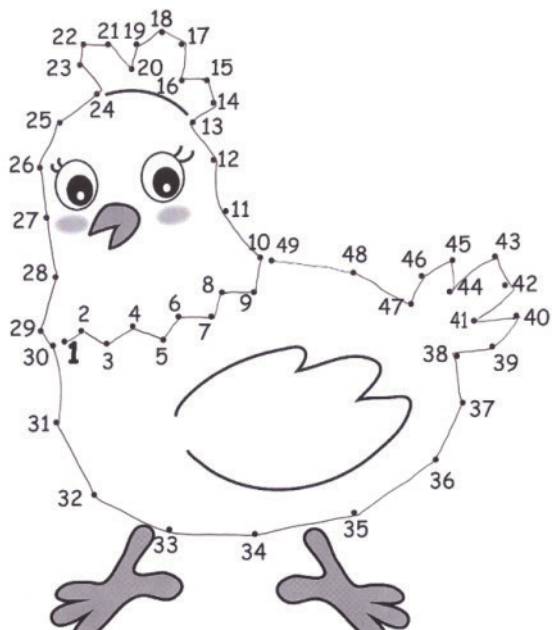
Umsebenzi Wophuculo 2.13: limpendulo



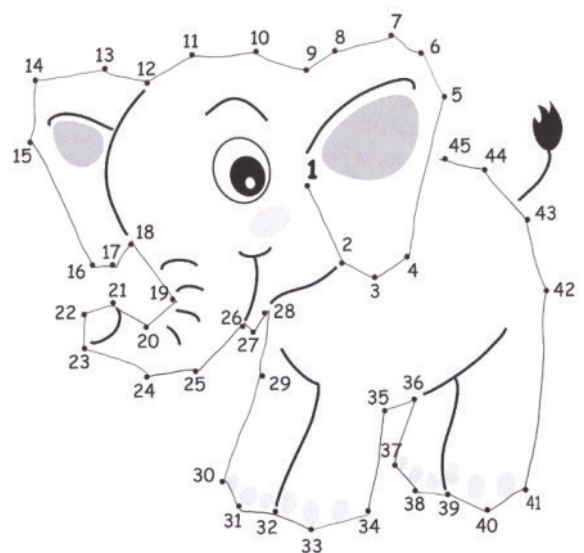
Umsebenzi Wophuculo 2.14: limpendulo



Umsebenzi Wophuculo 2.15: limpendulo

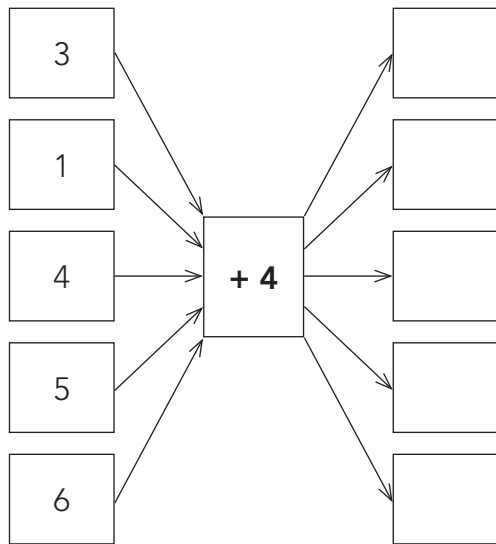


Umsebenzi Wophuculo 2.16: limpendulo



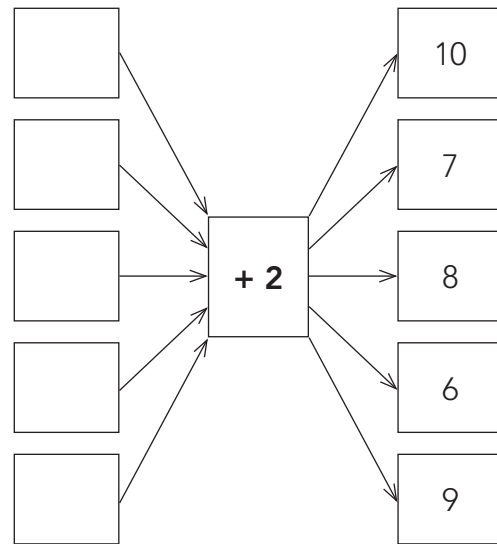
Umsebenzi Wophuculo 2.17

Gqibezela umzobo wesigcawu.



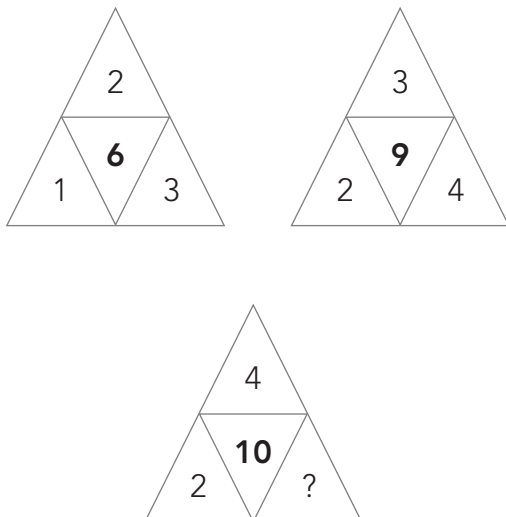
Umsebenzi Wophuculo 2.18

Gqibezela umzobo wesigcawu.



Umsebenzi Wophuculo 2.19

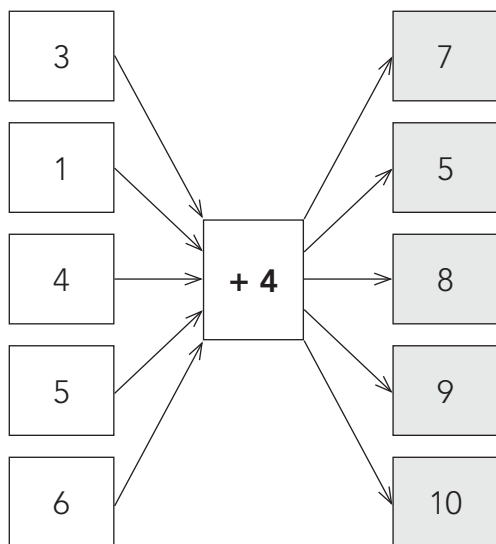
Jonga oonxantathu abaphezulu ababini, uze ufumane inani elizakungena endaweni yophawu lombuzo kunxantathu ongezantsi.



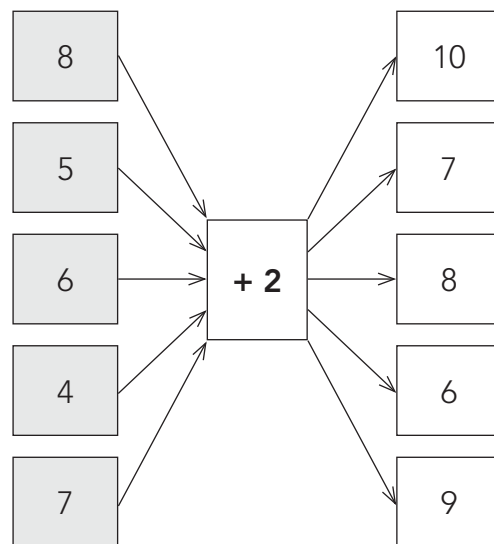
Umsebenzi Wophuculo 2.20

Ndithenge iilekese ezi-4. Udadewethu uthenge iilekese ezintathu waze umzala wam wathenga iilekese ezintlanu. Zingaphi iilekese ezithengwe ndim nomzala wam zizonke?

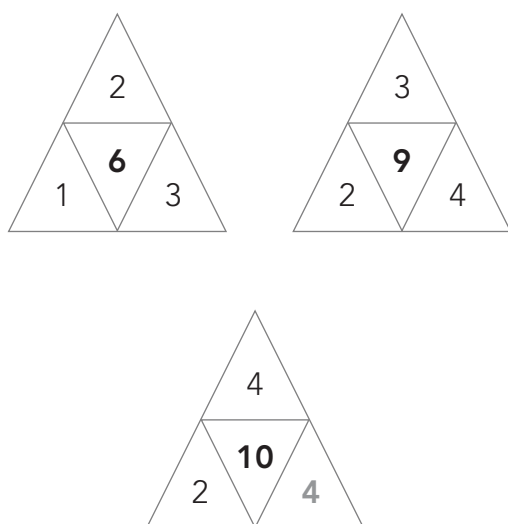
Umsebenzi Wophuculo 2.17: limpendulo



Umsebenzi Wophuculo 2.18: limpendulo



Umsebenzi Wophuculo 2.19: limpendulo



Umsebenzi Wophuculo 2.20: limpendulo

Qaphela ukuba umbuzo uthi: "Zingaphi iilekese ezithengwe ngumzala wam (hayi udade wethu) nam zidibene?"

$$4 + 5 = 9$$

Mna nomzala wam sithenge iilekese ezisi-9 zizonke.

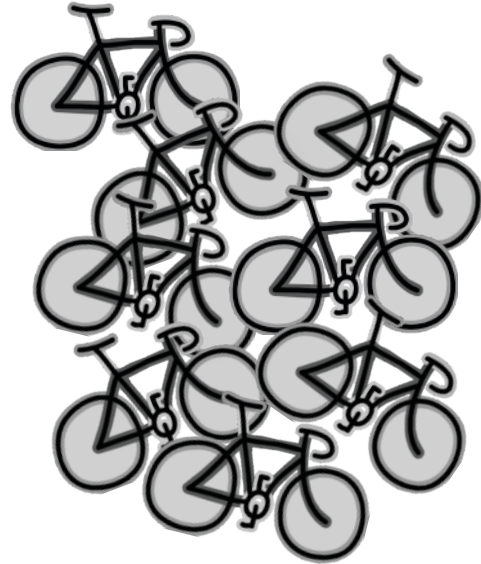
Umsebenzi Wophuculo 2.21

Zingaphi iipere zezihlangu onokuzenza?



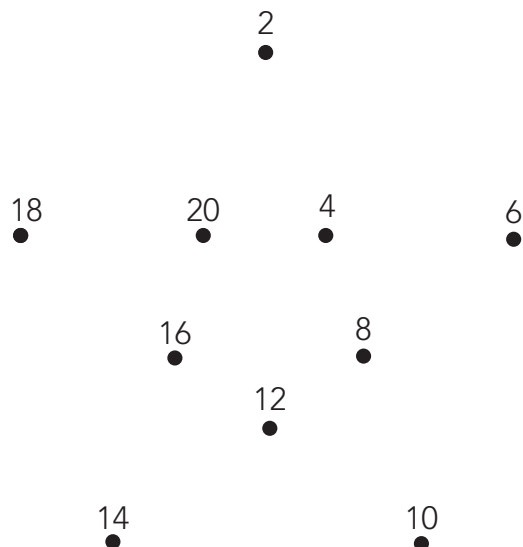
Umsebenzi Wophuculo 2.22

Mangaphi amavili eebhayisekile aphaya?



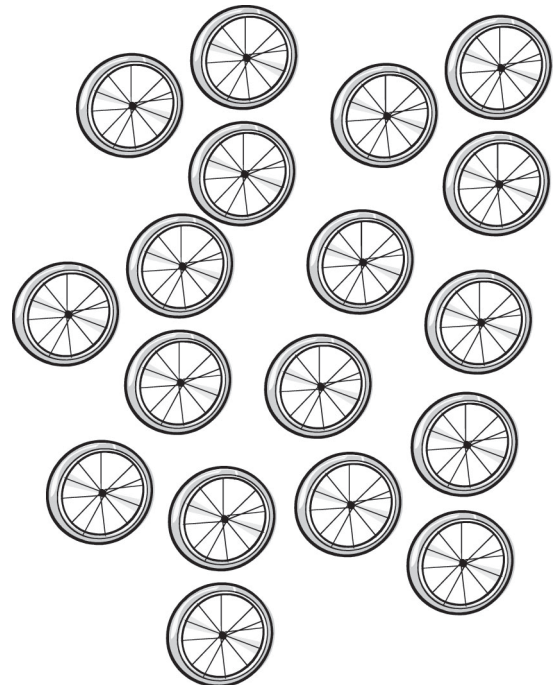
Umsebenzi Wophuculo 2.23

Bala ngezibini. Ngeyiphi imilo ephumayo?



Umsebenzi Wophuculo 2.24

Zingaphi iitrayisekile onokuzakha?



Kukho izihlangu ezili-16.

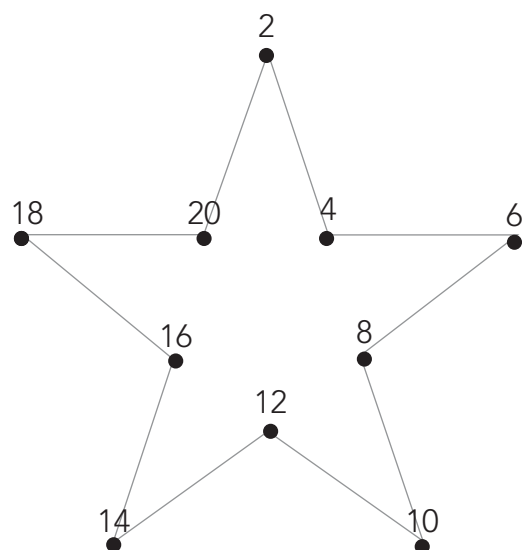
Kukho iipere ezisi-8 zezihlangu.

Kukho iibhayisekile ezisi-8.

Ndingabala: 2, 4, 6, 8, 10, 12.

Kukho amavili ali-16 eebhayisekile.

Inkwenkwezi



Kukho amavili ali-18 eetrayisekile.

Ndingakha iitrayisekile ezi-6.

Umsebenzi Wophuculo 2.25

Ukuba ubunokubona imilenze, ingayimilenze emingaphi?

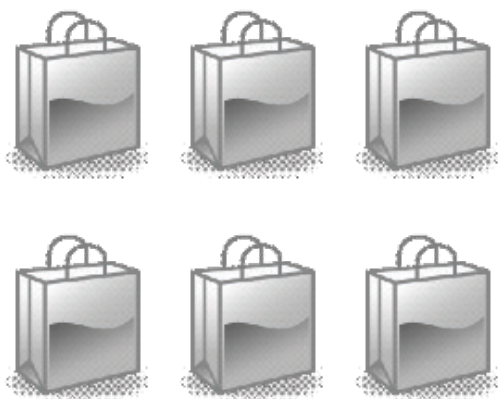


Umsebenzi Wophuculo 2.26

- Ukuba kukho iimoto ezintlanu kwindawo yokupaka, zinganamavili amangaphi?
- Ukuba kukho iingonyama ezisixhenxe epakini, zinganemilenze emingaphi iyonke?

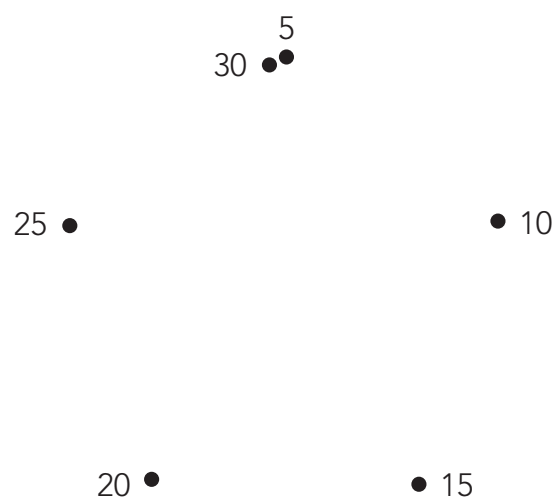
Umsebenzi Wophuculo 2.27

Kukho iilekese ezintlanu kwibhegi nganye. Zingaphi iilekese ezikhoyo xa zizonke?



Umsebenzi Wophuculo 2.28

Ufumana imilo enjani xa udibanise amachaphaza?



Umsebenzi Wophuculo 2.25: limpendulo

Masibale: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40.

Kukho imilenze engama -40 iyonke.

Umsebenzi Wophuculo 2.26: limpendulo

$$4 + 4 + 4 + 4 + 4 = 20$$

Masibale: 4, 8, 12, 16, 20.

Kukho amavili angama -20.

$$4 + 4 + 4 + 4 + 4 + 4 + 4 = 28$$

Masibale: 4, 8, 12, 16, 20, 24, 28.

Kukho imilenze engama -28.

Umsebenzi Wophuculo 2.27: limpendulo

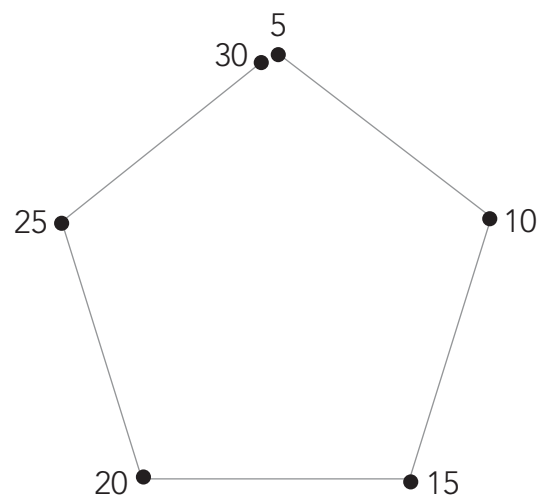
$$5 + 5 + 5 + 5 + 5 = 30$$

Masibale: 5, 10, 15, 20, 25, 30.

Kukho iilekese ezingama -30 zizonke.

Umsebenzi Wophuculo 2.28: limpendulo

Ipentagoni



Umsebenzi Wophuculo 2.29

Thelekisa imali eliphepha endala nentsha ezii-R10.



Uwutholile umahluko noma ukufana kule mali?

Umsebenzi Wophuculo 2.30

Yivenkile yakho le. Yila elakho ibali ngayo. Ubalisele iklassi.



Umsebenzi Wophuculo 2.31

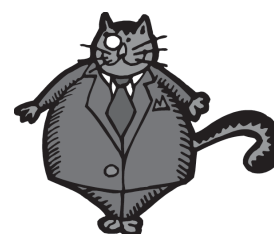


Zingaphi iindlela ezahlukeneyo ongenza ngayo ama-20c?

Zizobe.

Umsebenzi Wophuculo 2.32

Jonga imifanekiso ze ubhale esakho isibalo sesivakalisi.



Umsebenzi Wophuculo 2.29: Iimpendulo

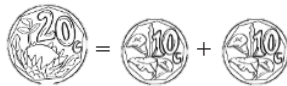
- Zinomkhombe zombini - esinye isilwanyana seBig Five.
- Kwelidala i-R10 umkhombe ujonge ngasekhohlo uze ujonge ngasekunene kwelitsha.
- Kukho amanani amabini angamashumi kwelidala i-R10 ze libe linye kwelitsha i-R10.

Umsebenzi Wophuculo 2.30: Iimpendulo

Elakho ibali.

Uwasebenzisile la magama?

- Ukuthenga
- Ukuthengisa
- Imali
- Iirandi
- Iisenti
- Iiglas ezi-4
- Iiglas e-1

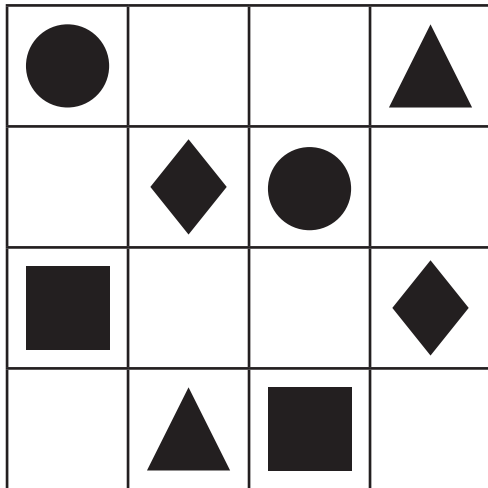
Umsebenzi Wophuculo 2.31: Iimpendulo**Umsebenzi Wophuculo 2.32: Iimpendulo**

Kukho iimpuku ezisi-7. Ikati ibambe iimpuku ezi- 4.

Zingaphi iimpuku ezishiyekileyo?

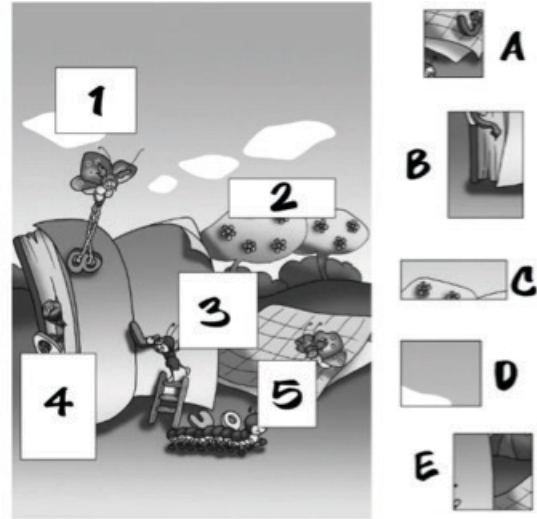
Umsebenzi Wophuculo 2.33

Faka iimilo ezishiyweyo seSudoku.



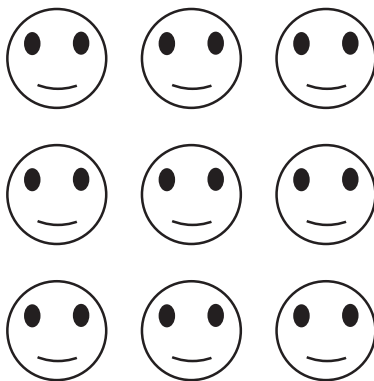
Umsebenzi Wophuculo 2.34

Tshatisa amaqhekeza ashiyekileyo ukugcwalisa umfanekiso.



Umsebenzi Wophuculo 2.35

Mingaphi iminwe yaba bantwana iyonke?

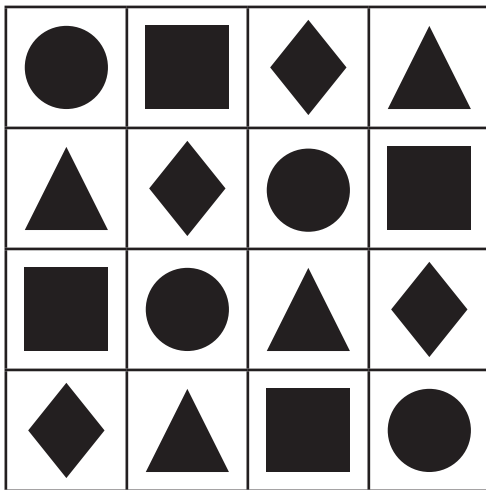


Umsebenzi Wophuculo 2.36

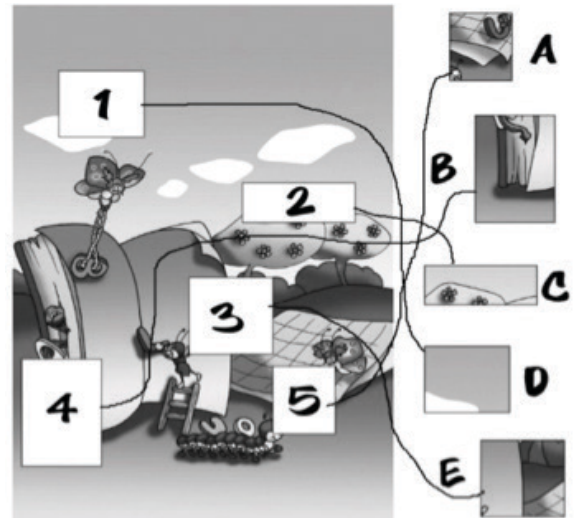
Ngawaphi amanani afihlwe ngaphantsi kwezangqa?

1	2	3	4	5	6	7	8	9	●
11	12	13	14	15	16	17	18	19	●
21	22	23	24	25	26	27	28	29	●
31	32	33	34	35	36	37	38	39	●
41	42	43	44	45	46	47	48	49	●
51	52	53	54	55	56	57	58	59	●
61	62	63	64	65	66	67	68	69	●
71	72	73	74	75	76	77	78	79	●
81	82	83	84	85	86	87	88	89	●
91	92	93	94	95	96	97	98	99	●

Umsebenzi Wophuculo 2.33: Iimpendulo



Umsebenzi Wophuculo 2.34: Iimpendulo



Umsebenzi Wophuculo 2.35: Iimpendulo

Kukho abantwana abali-9.

Umntwana ngamnye uneminwe eli-10.

Ungabala:

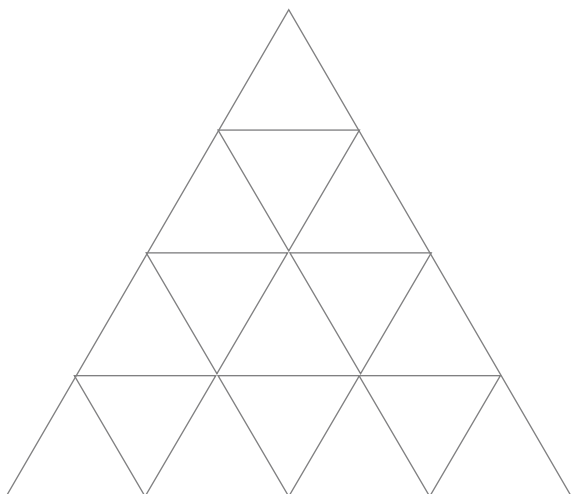
10, 20, 30, 40, 50, 60, 70, 80, 90.

Umsebenzi Wophuculo 2.36: Iimpendulo

Ukubala ngamashumi: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100.

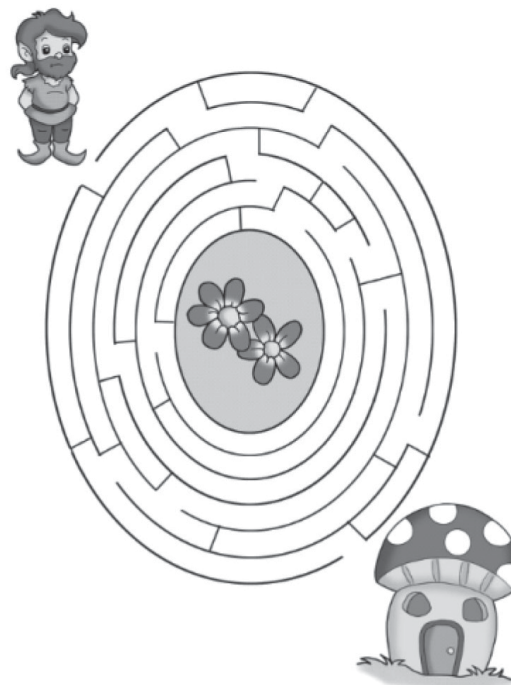
Umsebenzi Wophuculo 2.37

Bangaphi oonxantathu obabonayo?



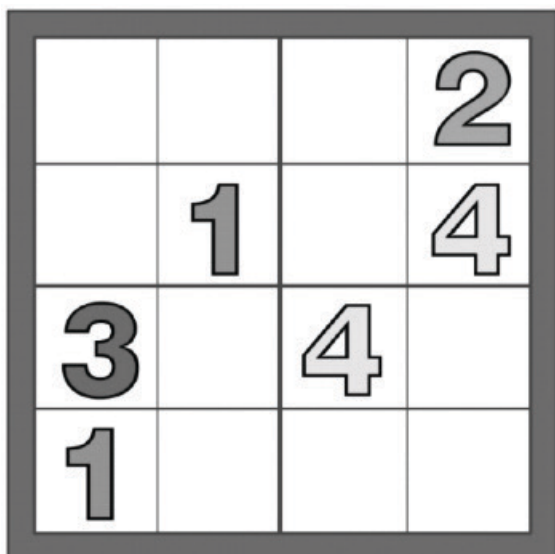
Umsebenzi Wophuculo 2.38

Nceda uthikoloshe aye endlwini yakhe.



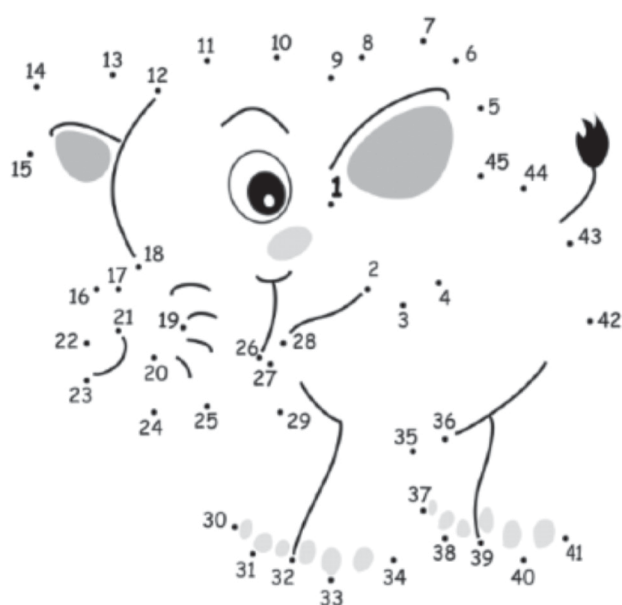
Umsebenzi Wophuculo 2.39

Zoba iphazili yeSudoku kwakhona uyigcwalise.



Umsebenzi Wophuculo 2.40

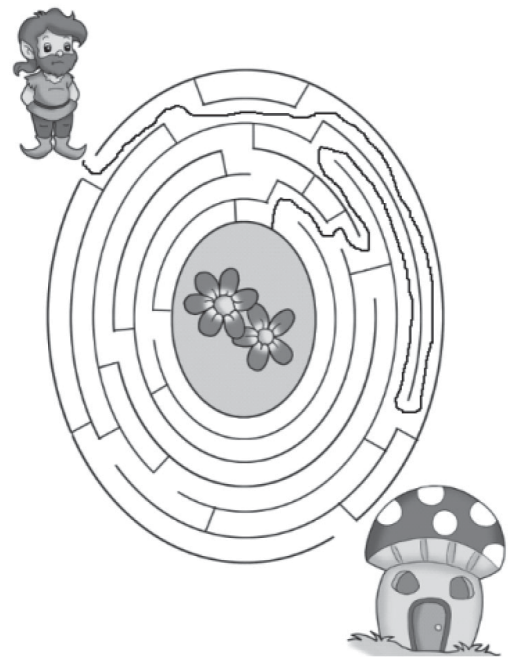
Bala ngoononye. Sesiphi isilwanyana osifumanayo?



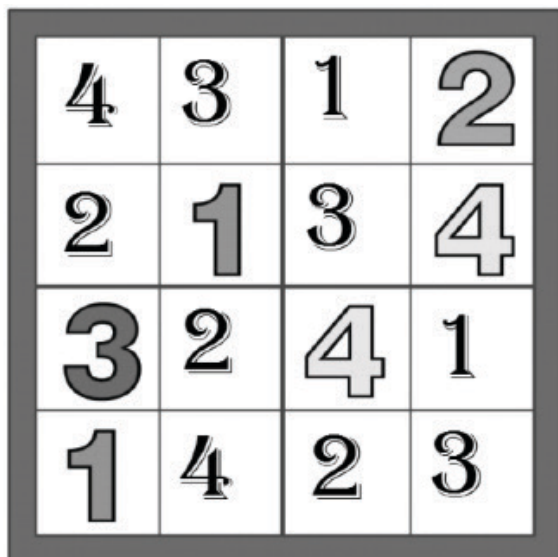
Umsebenzi Wophuculo 2.37: limpendulo

Kukho oonxantathu abancinane abali-16.
Kodwa ungafumana nangaphezulu xa un-
okudibanisa abanye oonxantathu.
Khangela ukuba ungafumana abangaphi na?

Umsebenzi Wophuculo 2.38: limpendulo



Umsebenzi Wophuculo 2.39: limpendulo



Umsebenzi Wophuculo 2.40: limpendulo

