

GRADE 1

TERM 4 2019

MATHEMATICS

ENGLISH /

TSHIVENDA

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: Tshivenda 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

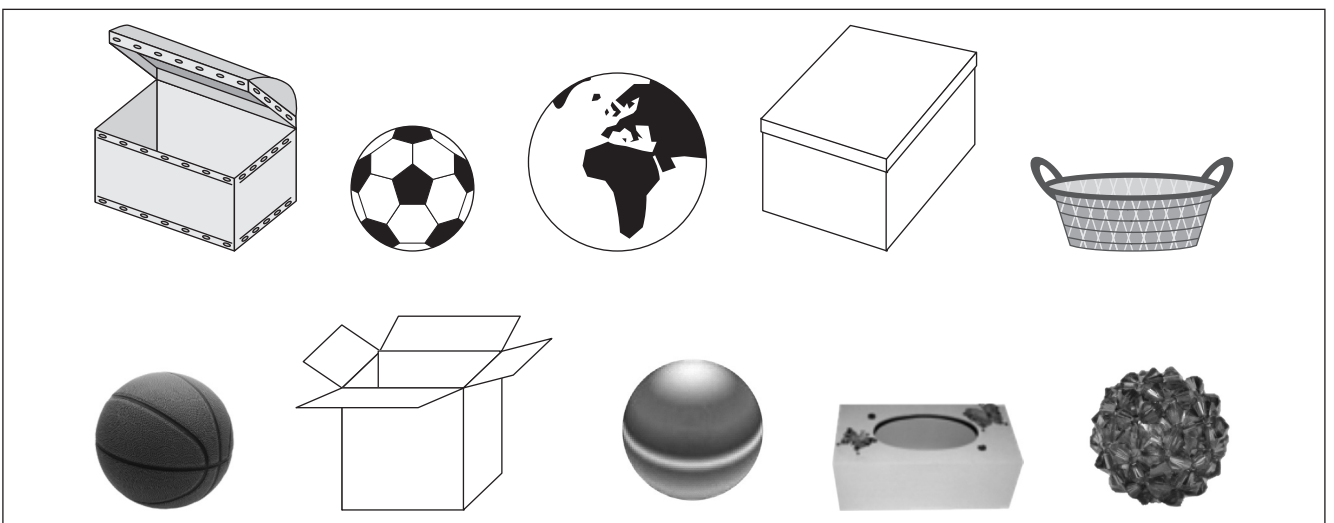
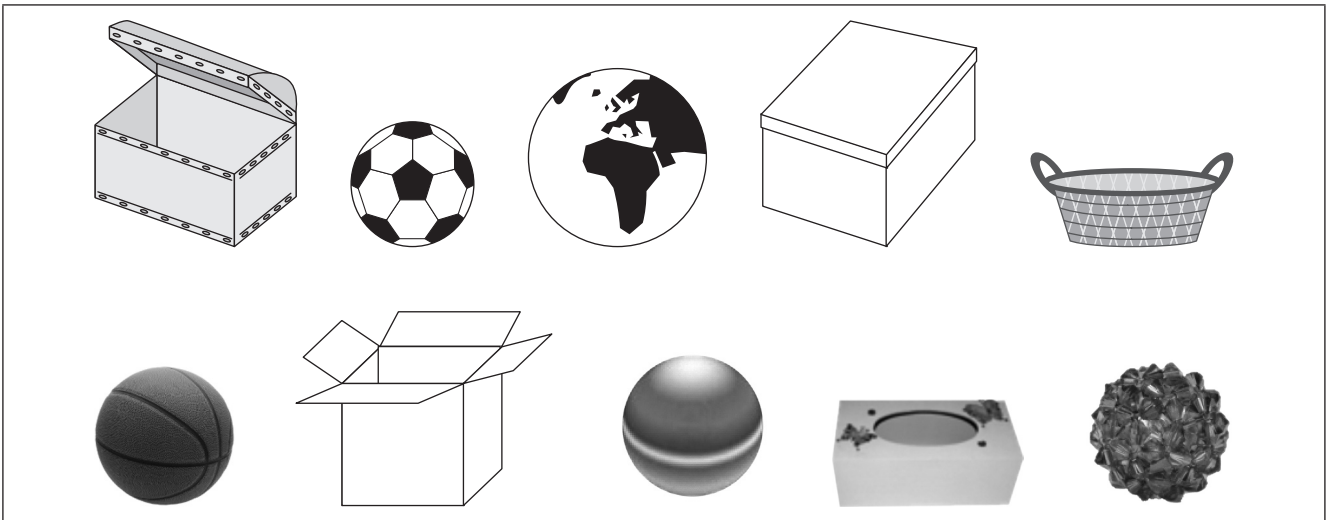
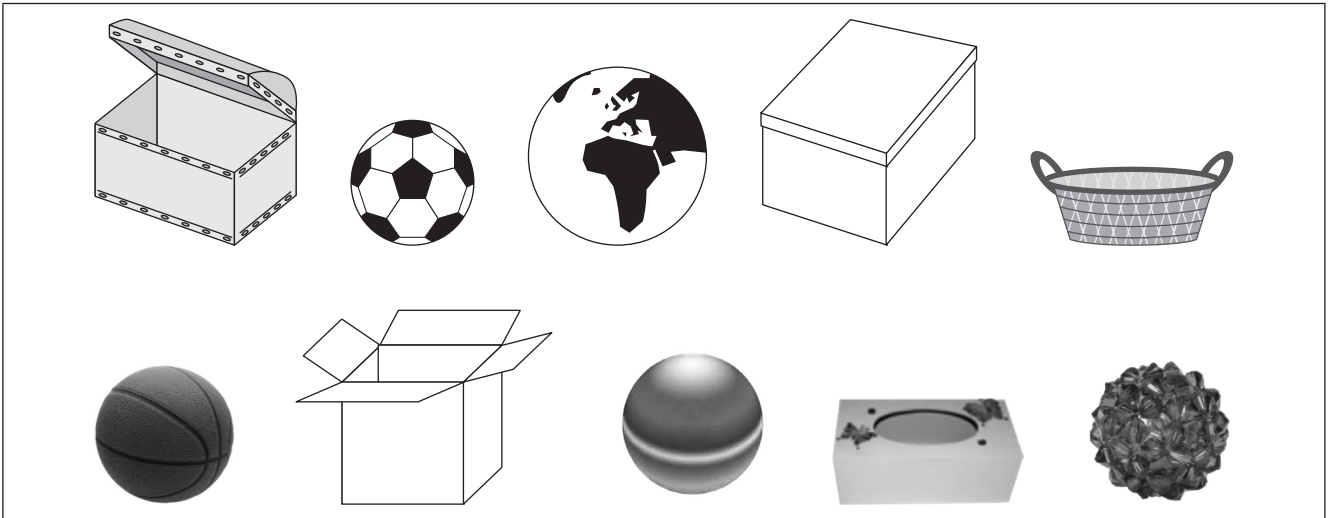
There are also other resources such as informal resources (old magazines, pieces of string, scrap paper, etc.) that you may need in certain lessons. You should have a careful look at the list of resources needed for each lesson; this list is given in the lesson plans each day. Prepare yourself, so that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

1. Flard cards – tens and units (Lessons 1–5)

6	60
7	70
8	80
9	90

1	10
2	20
3	30
4	40
5	50

2. Ball and box shapes (Lesson 15)



3. Number board 1–100 (Lesson 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. Number line 0–20 (Lesson 20)



5. 5x table number cards (Lesson 21)

5

10

15

20

25

30

35

40

45

50

55

60

65

70

75

80

85

90

95

100

6. 2x table number cards (Lesson 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 table number cards (Lesson 21)

10

20

30

40

50

60

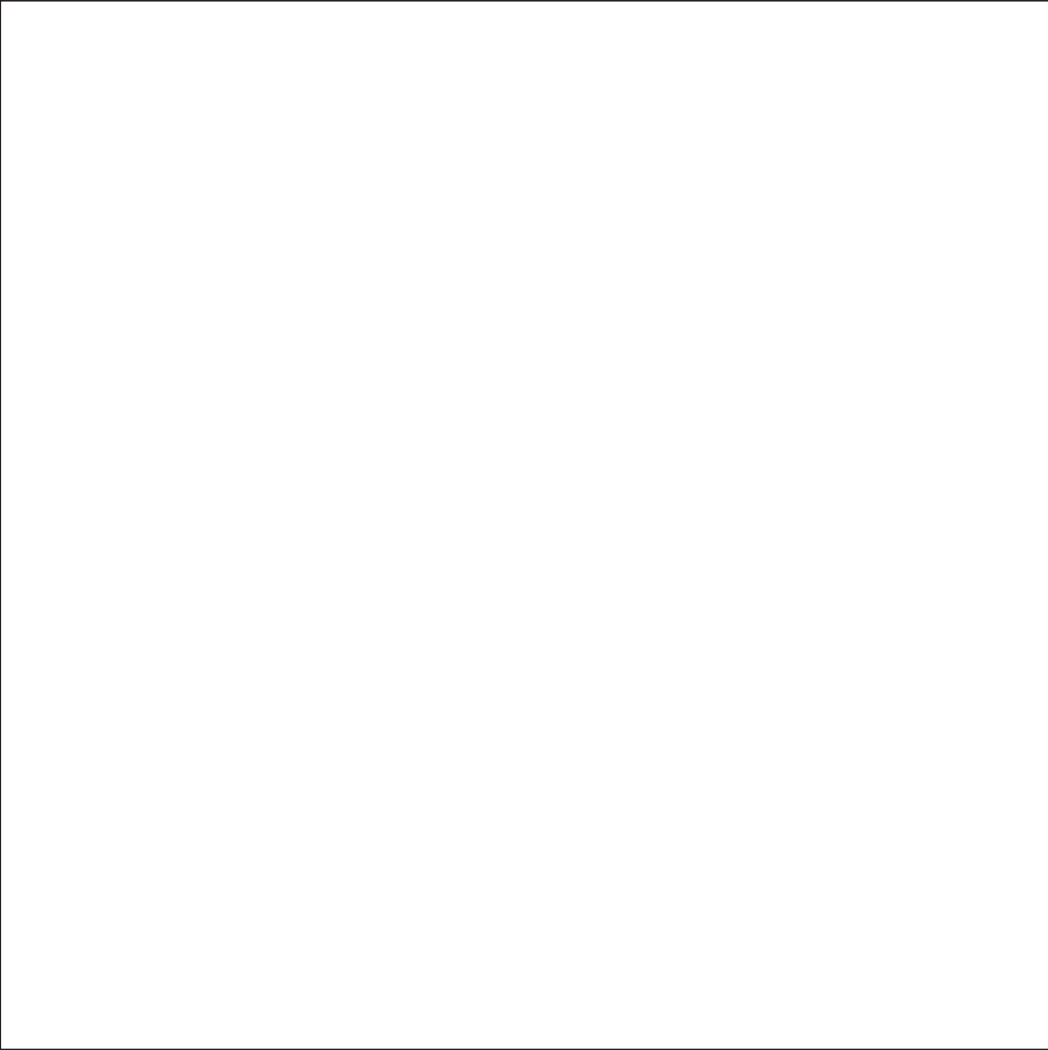
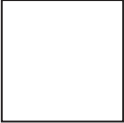
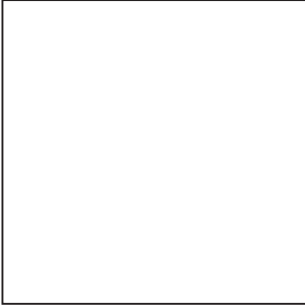
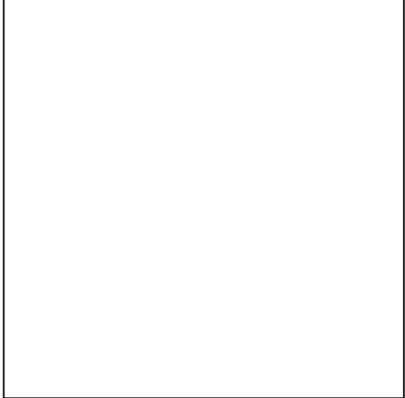
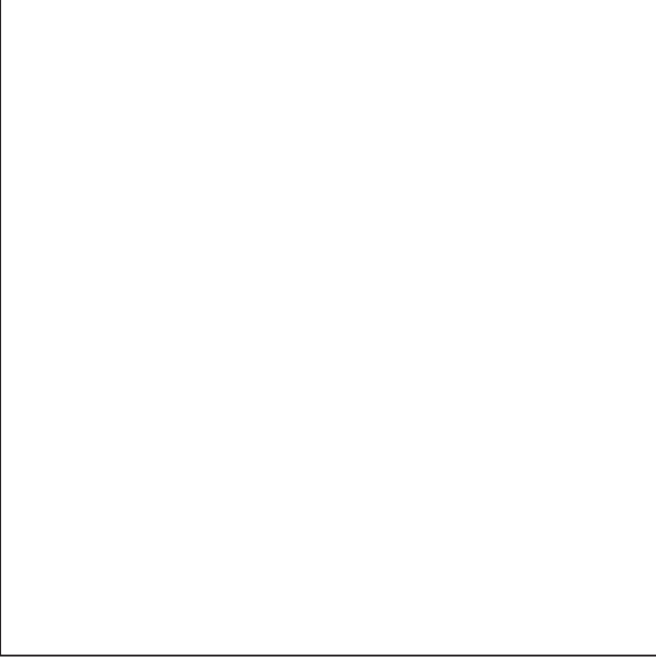
70

80

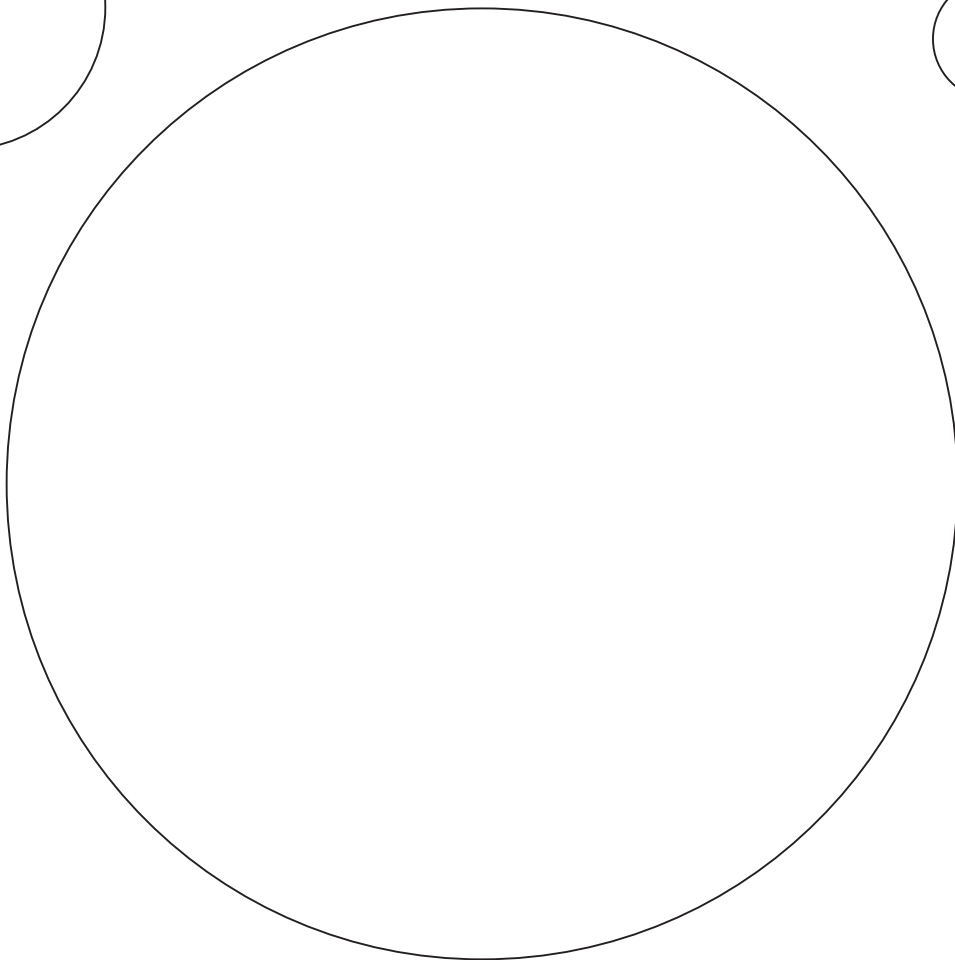
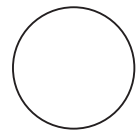
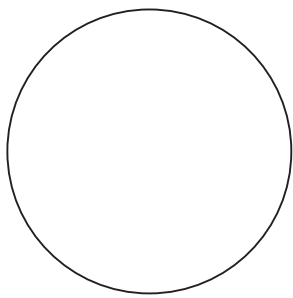
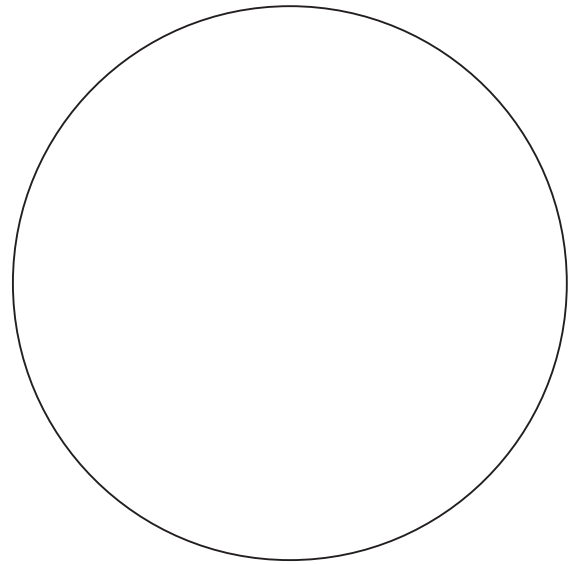
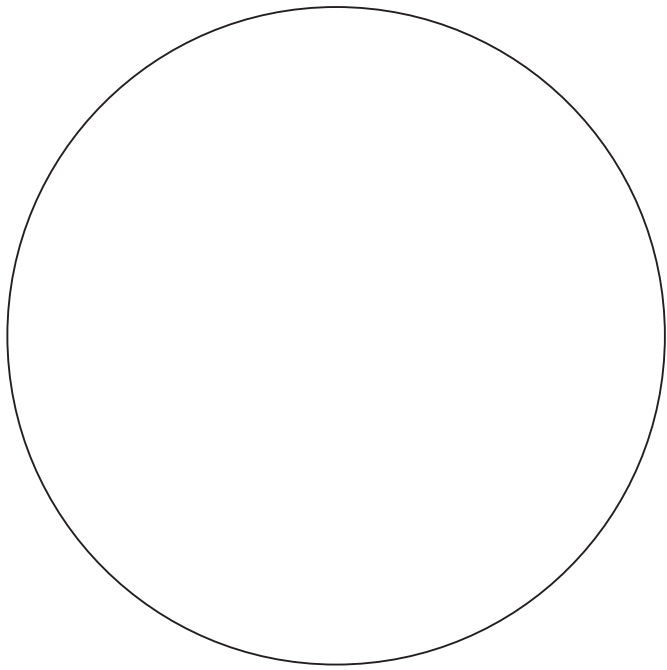
90

100

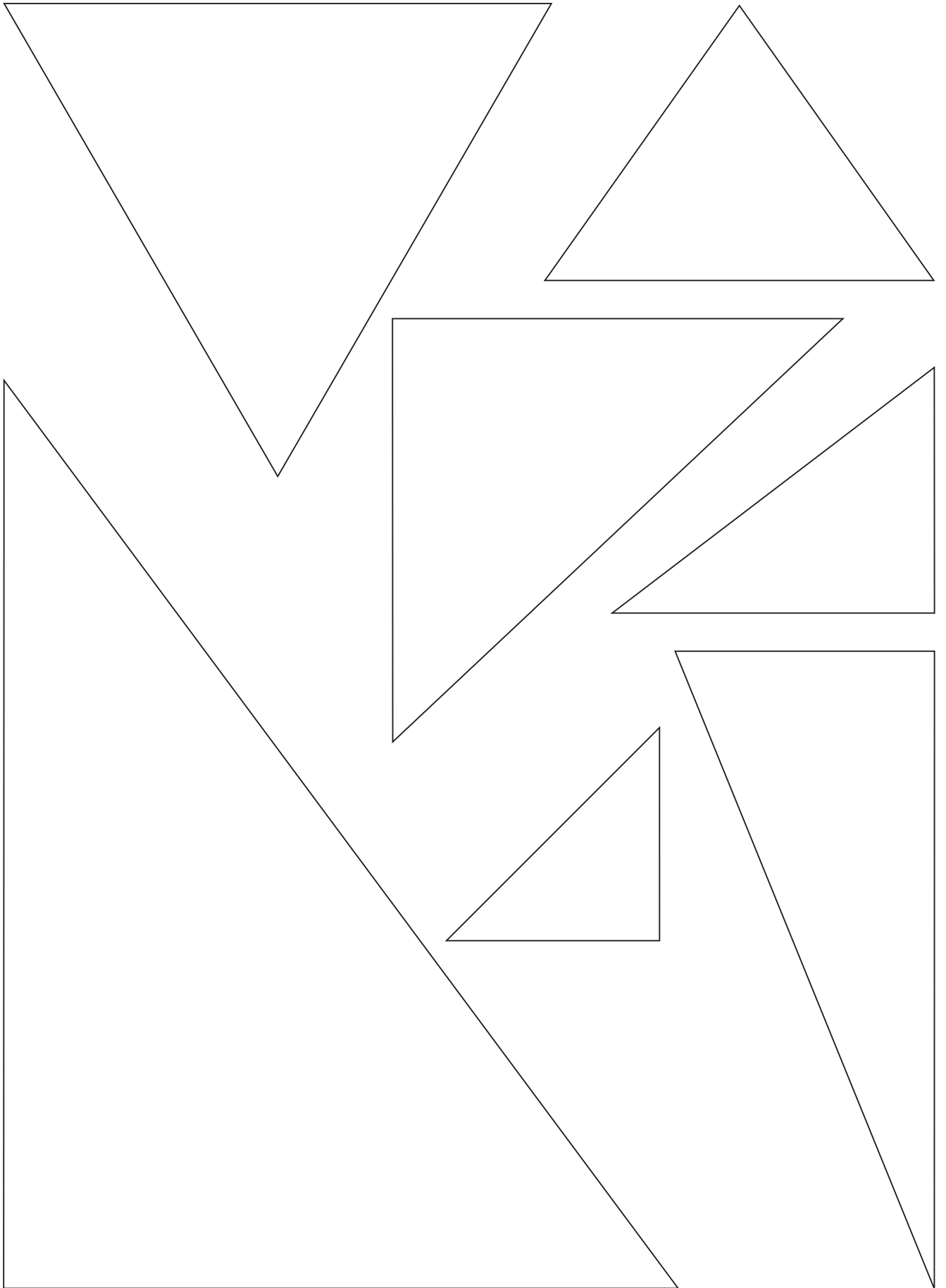
8. 2-D shapes – squares (Lesson 32)



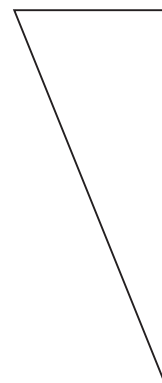
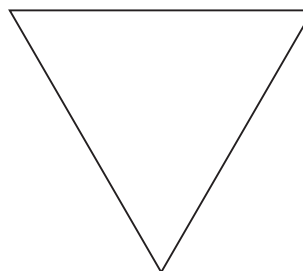
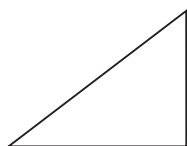
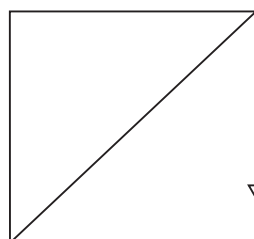
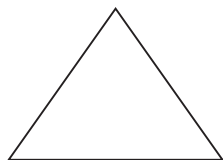
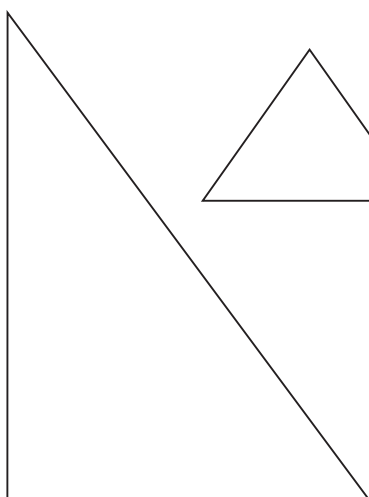
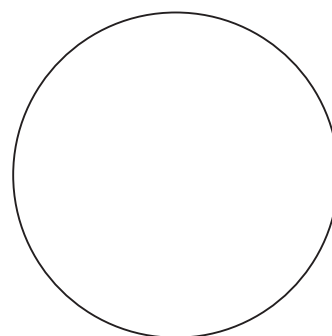
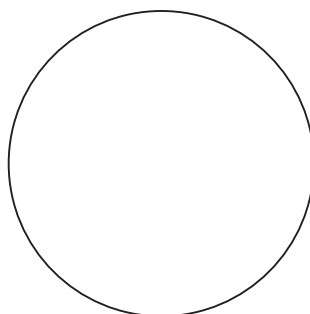
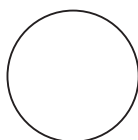
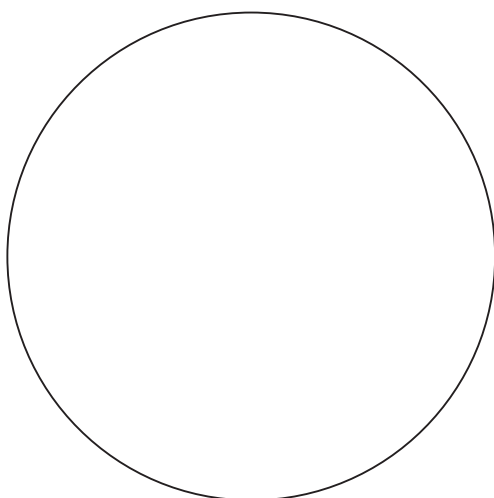
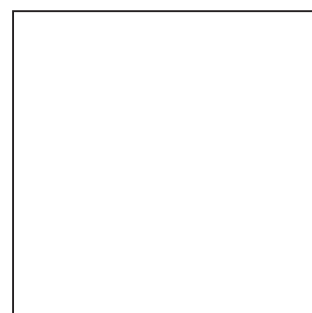
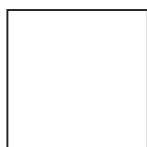
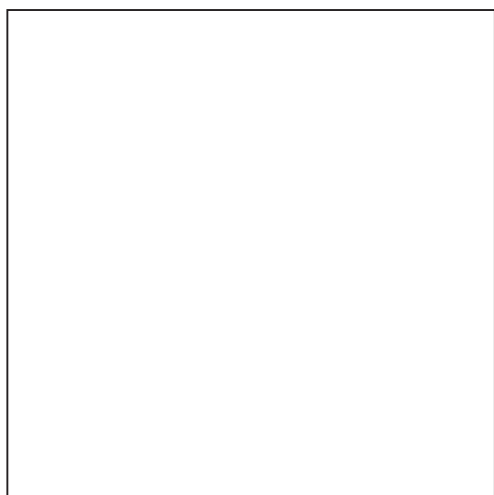
9. 2-D shapes – circles (Lesson 32)



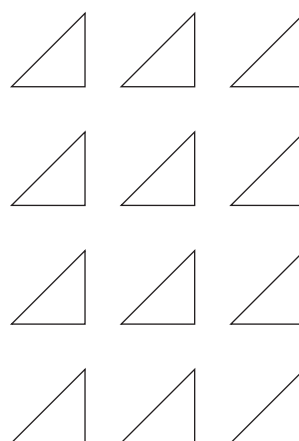
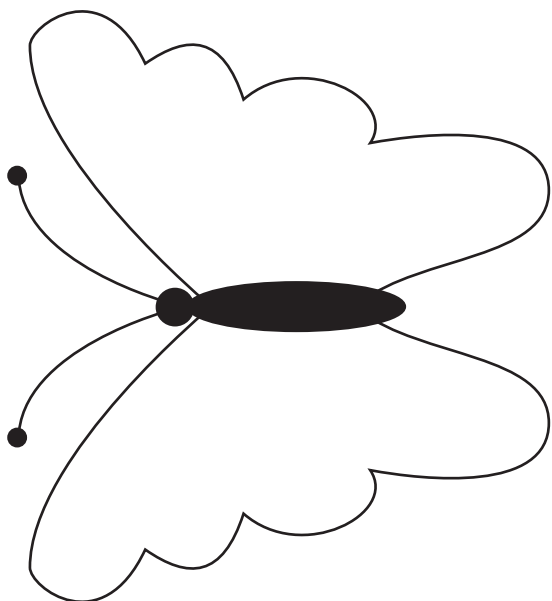
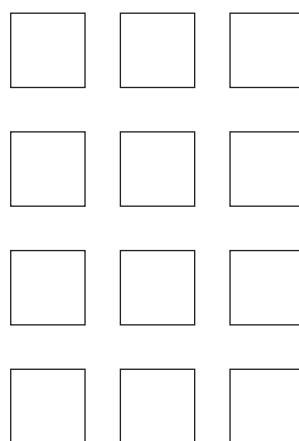
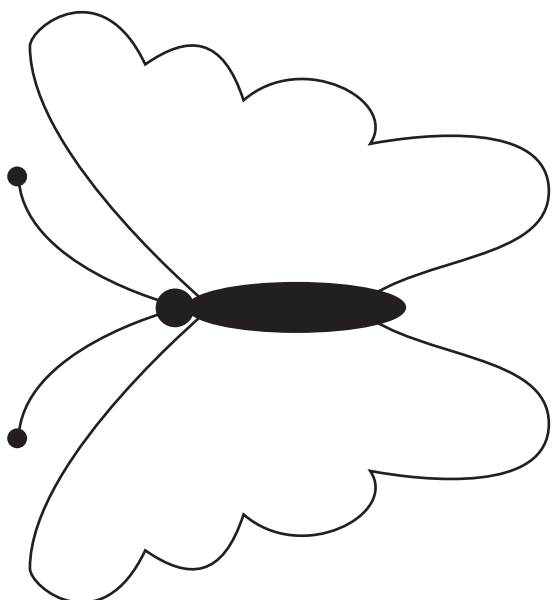
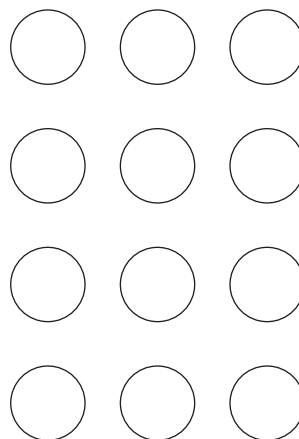
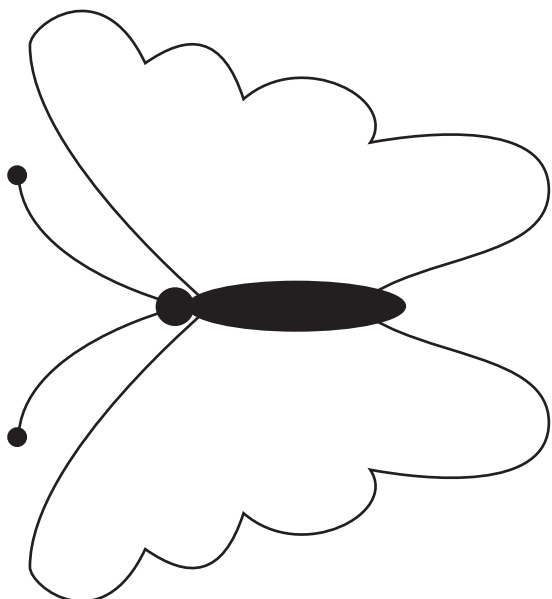
10. 2-D shapes – triangles (Lesson 32)



11. 2-D shapes – squares, circles and triangles (Lesson 33)



12. Symmetry pictures (Lesson 35)



13. Days of the week (Lesson 38)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

13. Maḡuvha a vhege (Isifundo 38)

Musumbuluwo

Ḳavhuvhili

Ḳavhuraru

Ḳavhuna

Ḳavhuṭanu

Mugivhela

Swondaha

14. Months of the year (Lesson 38)

January

February

March

April

May

June

July

August

September

October

November

December

14. Izinyanga zonyaka (Isifundo 38)

Phando

Luhuhi

Ḷhafamuhwe

Lambamai

Shundunthule

Fulwi

Fulwana

Khubvumedzi

Khubvi

Tshimedzi

Lara

Nyendavhusiku

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

Mupikisano wa Mbalo wa Garaṭa 1

Mutevhe ubva kha nomboro khulwane uya kha ṭhukhusa

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

Mupikisano wa Mbalo wa Garaṭa 2

2 u fhira

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

Mupikisano wa Mbalo wa Garaṭa 3

2 ṭhukhu kha

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

Mupikisano wa Mbalo wa Garaṭa 4

Inga kavhili

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

Mupikisano wa Mbalo wa Garaṭa 1: Phindulo

Mutevhe ubva kha nomboro khulwane uya
kha ṭhukhusa

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

Mupikisano wa Mbalo wa Garaṭa 2: Phindulo

2 u fhira

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

Mupikisano wa Mbalo wa Garaṭa 3: Phindulo

2 ṭhukhu kha

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

Mupikisano wa Mbalo wa Garaṭa 4: Phindulo

Inga kavhili

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

Mupikisano wa Mbalo wa Garaṭa 5

Hafu ya

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

Mupikisano wa Mbalo wa Garaṭa 6

Ṭanganyisa

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

Mupikisano wa Mbalo wa Garaṭa 7

Ṭusa

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

Mupikisano wa Mbalo wa Garaṭa 8

Ṭanganyisa na u ṭusa 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

**Mupikisano wa Mbalo wa Garaḡa 5:
Phindulo**

Hafu ya

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

Maths Challenge Card 6: Answers

Add

**Mupikisano wa Mbalo wa Garaḡa 6:
Phindulo**

Ṭanganyisa

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

**Mupikisano wa Mbalo wa Garaḡa 7:
Phindulo**

Ṭusa

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

**Mupikisano wa Mbalo wa Garaḡa 8:
Phindulo**

Ṭanganyisa na u ṭusa 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.

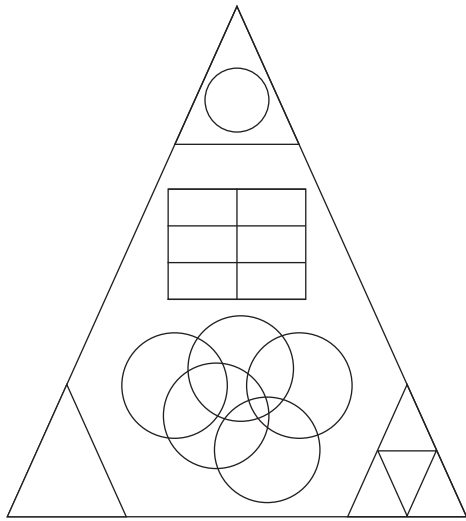
These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some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



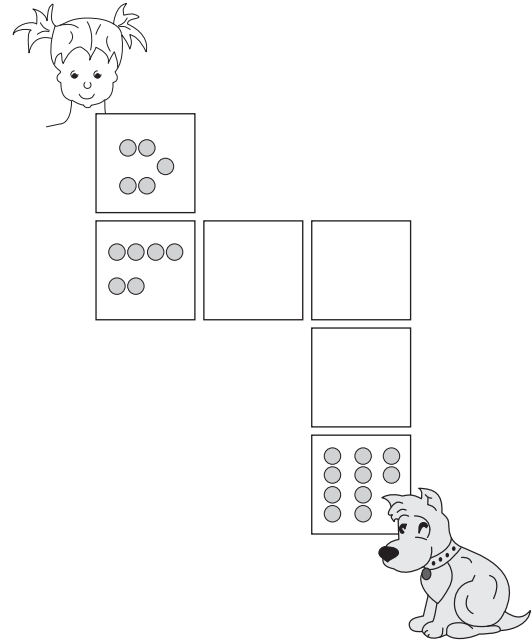
How many  are there? _____

How many  are there? _____

How many  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. $6 + 5 =$

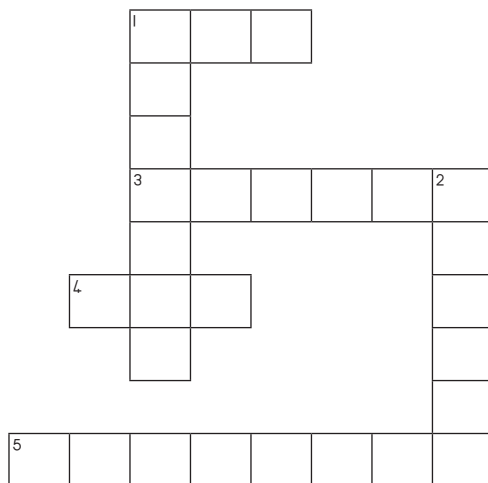
Across

1. $12 - 6 =$

3. $6 + 6 =$

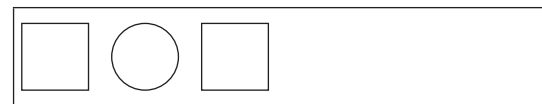
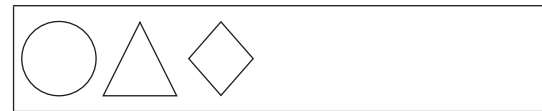
4. $20 - 10 =$

5. $8 + 11 =$



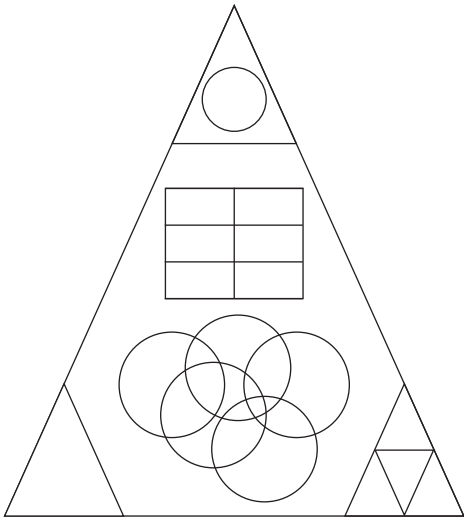
Enrichment Activity 4.4

Complete the following patterns.



Enrichment Activity 4.1: Answers

Count the different shapes.



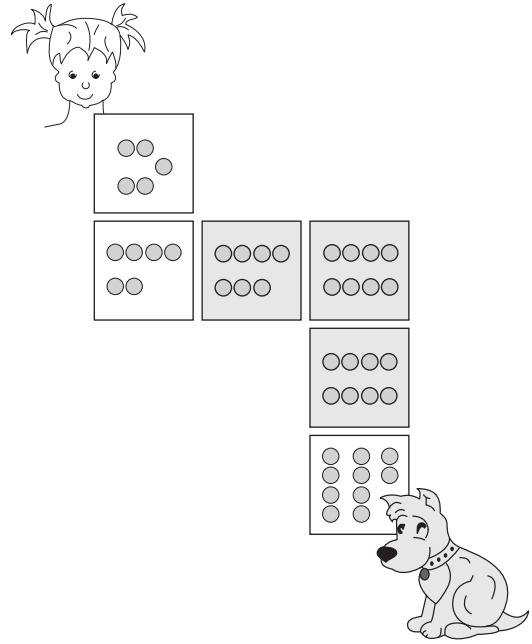
How many \triangle are there? (8)

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. $6 + 5 =$

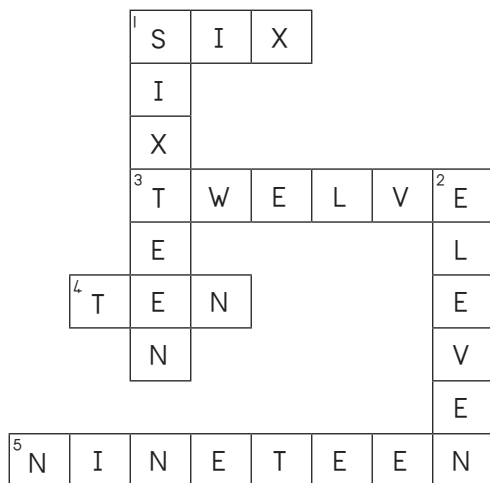
Across

1. $12 - 6 =$

3. $6 + 6 =$

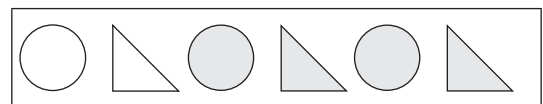
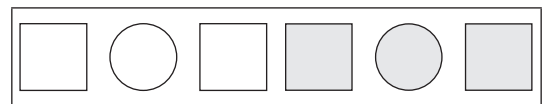
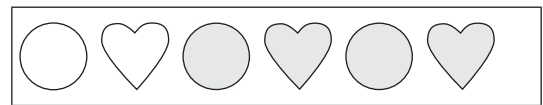
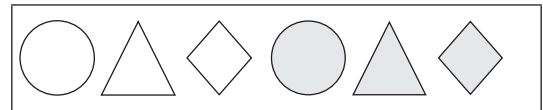
4. $20 - 10 =$

5. $8 + 11 =$



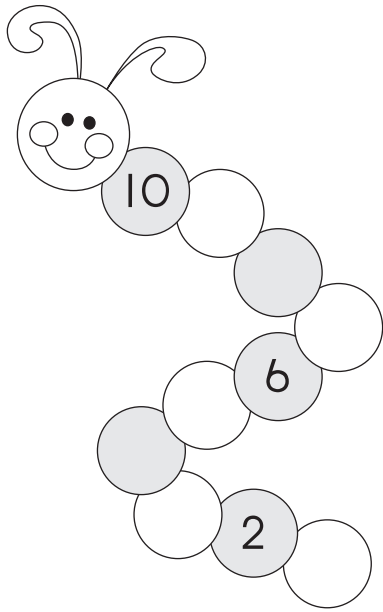
Enrichment Activity 4.4: Answers

Complete the following patterns.



Enrichment Activity 4.5

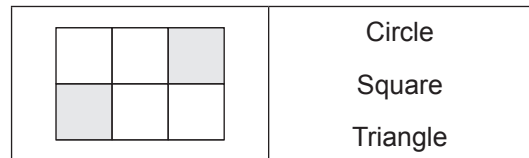
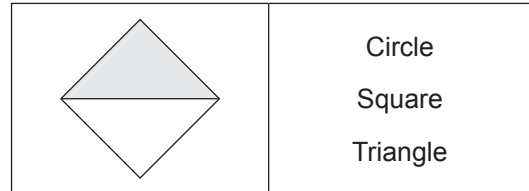
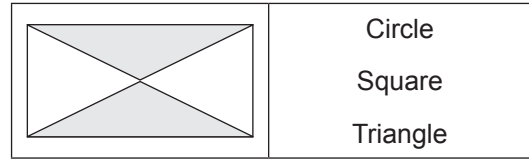
Work out the pattern to complete the worm.



Enrichment Activity 4.6

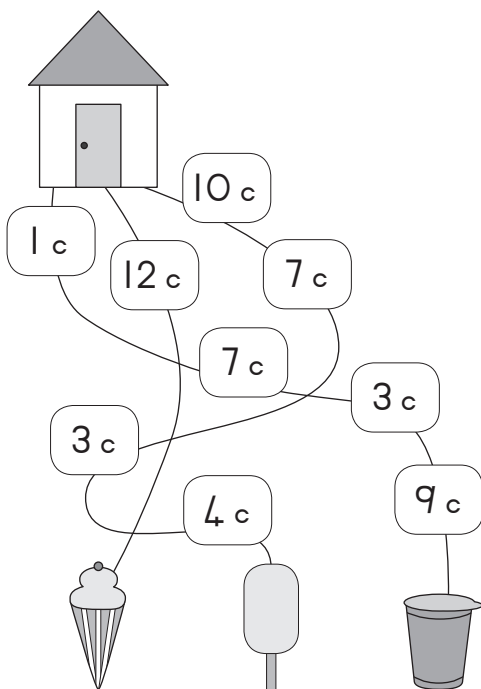
What shape or shapes are coloured?

Choose the correct answer.



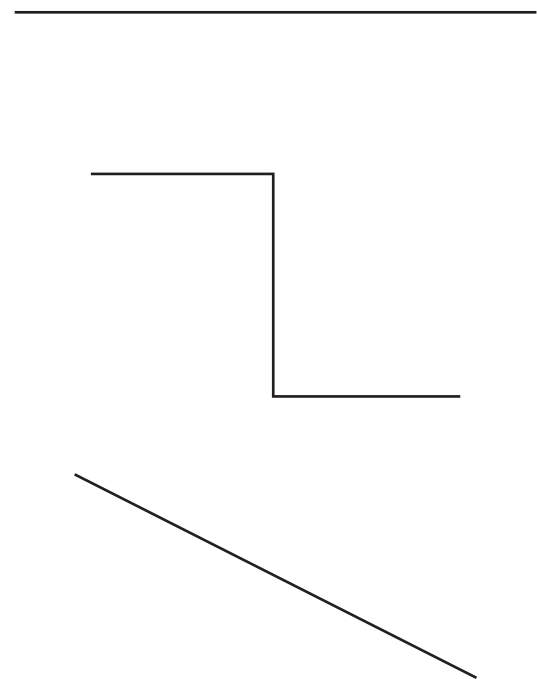
Enrichment Activity 4.7

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



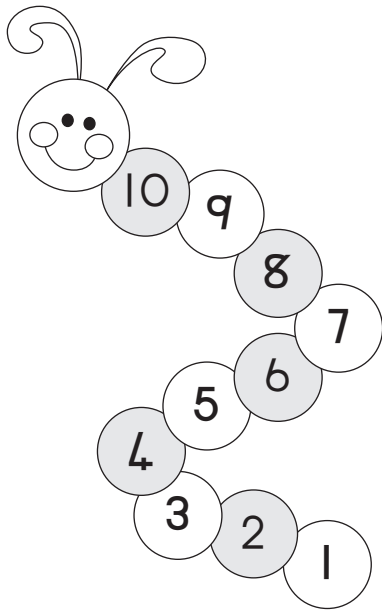
Enrichment Activity 4.8

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



Enrichment Activity 4.5: Answers

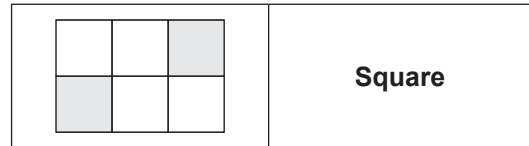
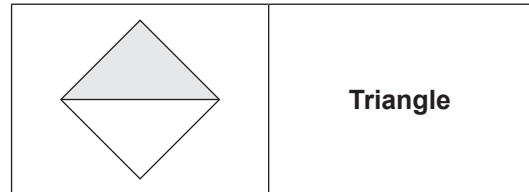
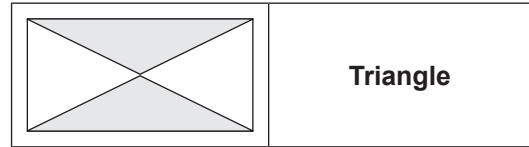
Work out the pattern to complete the worm.



Enrichment Activity 4.6: Answers

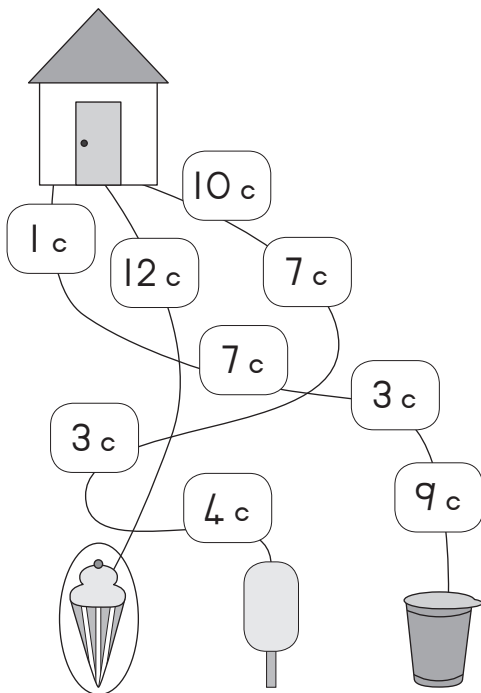
What shape or shapes are coloured?

Choose the correct answer.



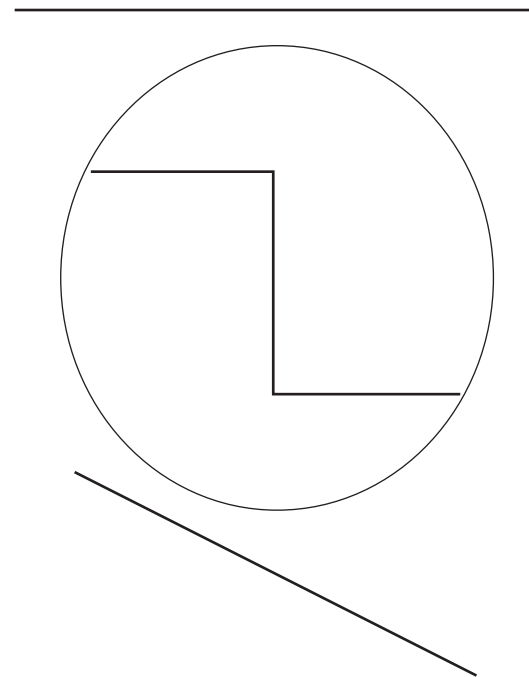
Enrichment Activity 4.7: Answers

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



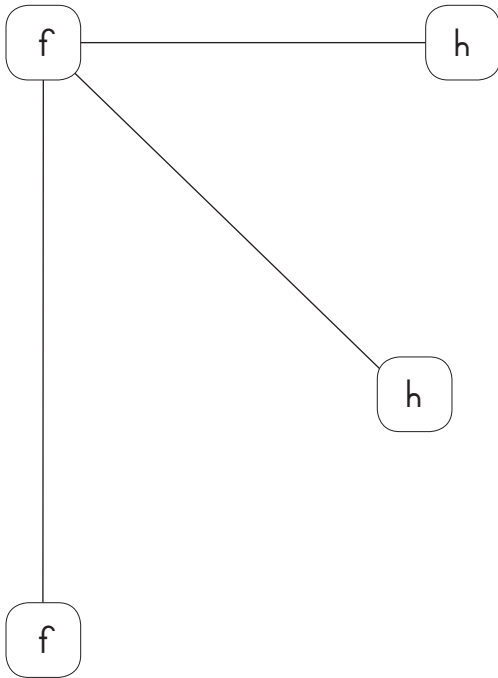
Enrichment Activity 4.8: Answers

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



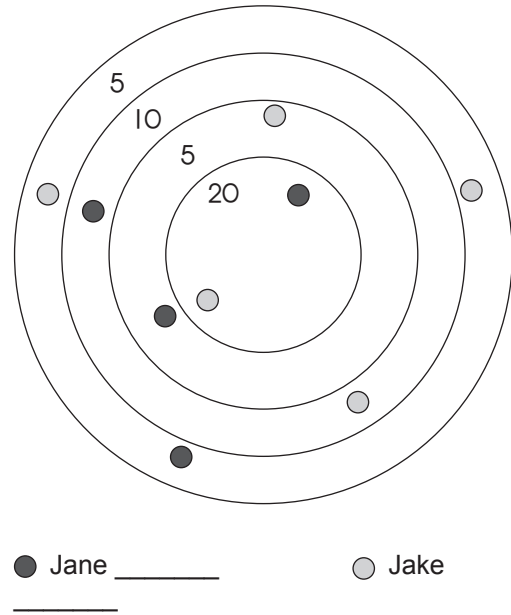
Enrichment Activity 4.9

Circle the longest line.



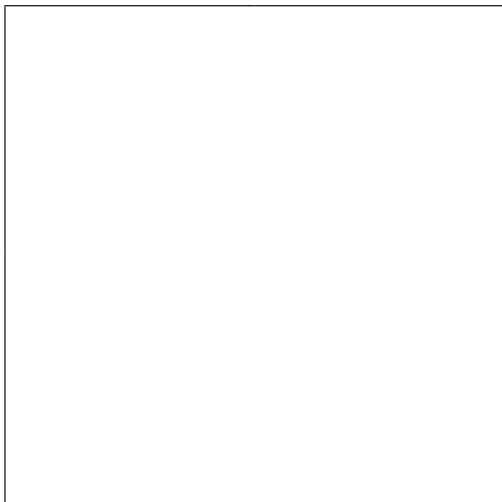
Enrichment Activity 4.10

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



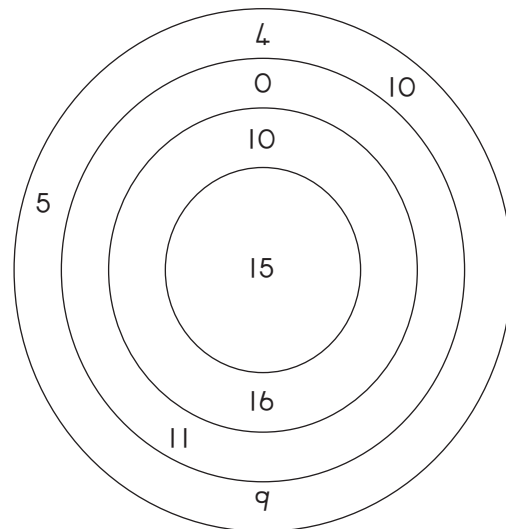
Enrichment Activity 4.11

Divide this square into 4 smaller squares.



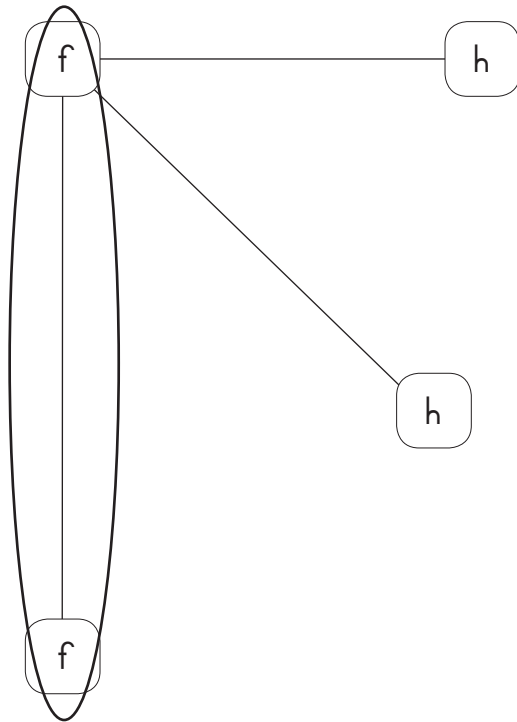
Enrichment Activity 4.12

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



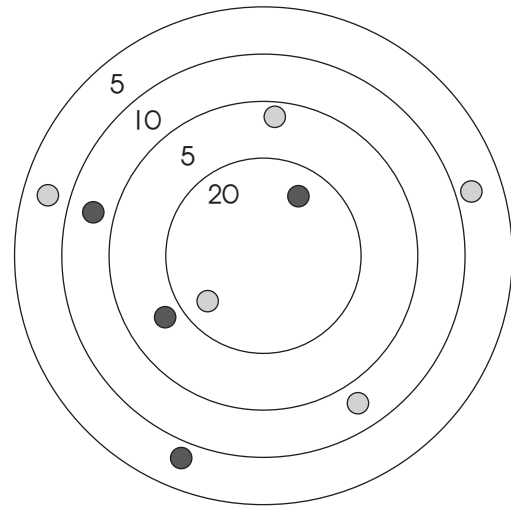
Enrichment Activity 4.9: Answers

Circle the longest line.



Enrichment Activity 4.10: Answers

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

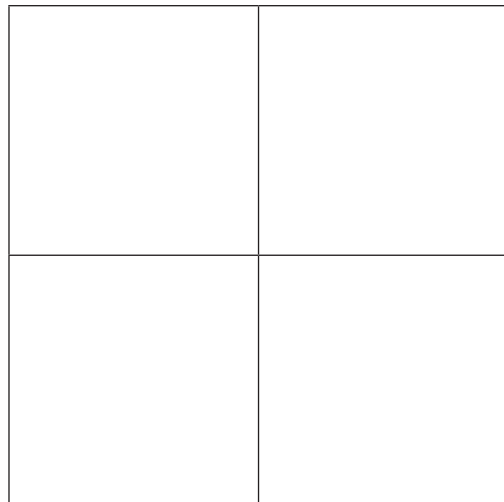


● Jane (40)

● Jake (45)

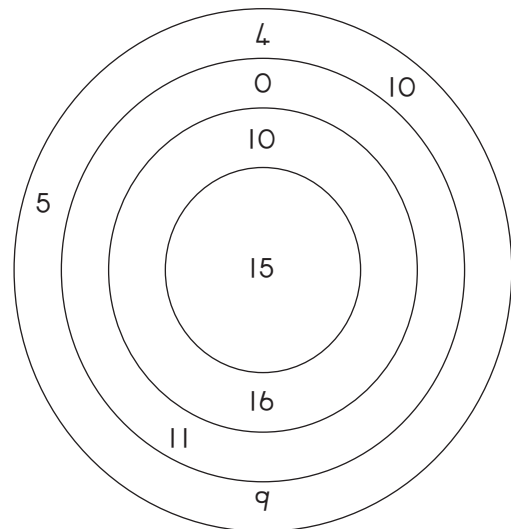
Enrichment Activity 4.11: Answers

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	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

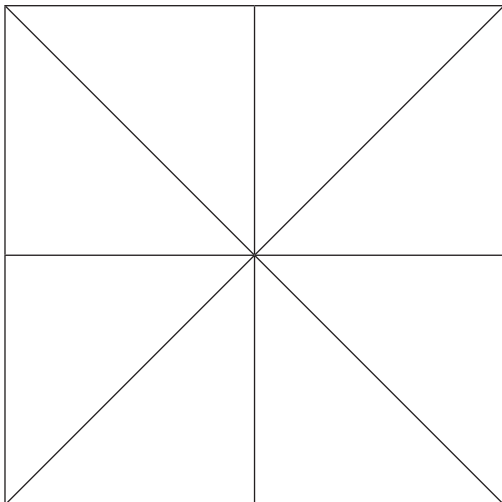
Enrichment Activity 4.14

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

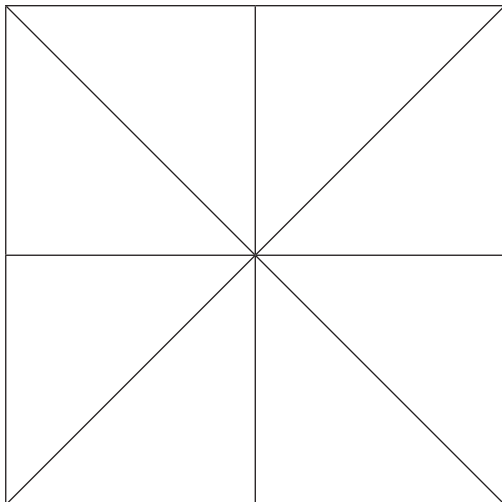
Enrichment Activity 4.14: Answers

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  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

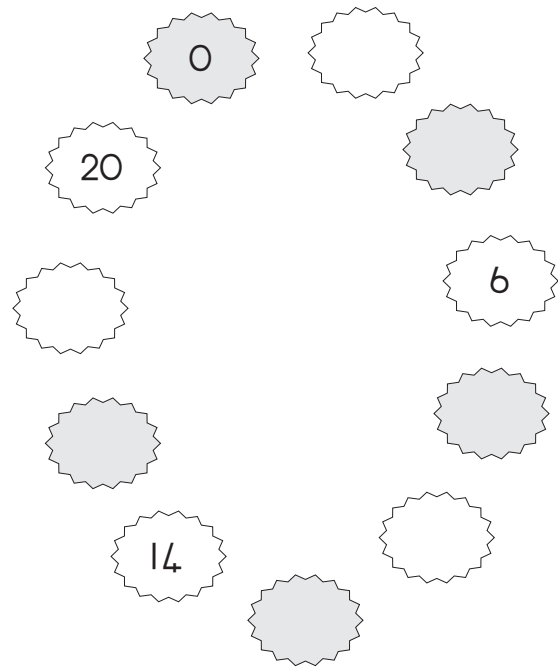
Enrichment Activity 4.17

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

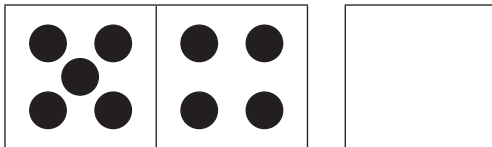
Complete the pattern.



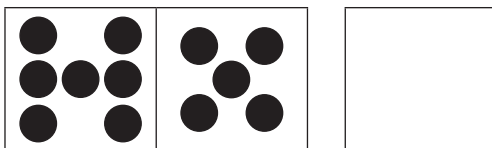
Enrichment Activity 4.19

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

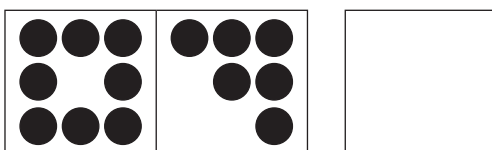
How much will it be?



How much will it be?

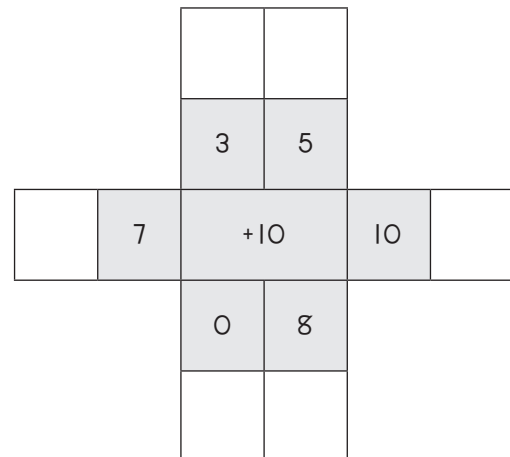


How much will it be?



Enrichment Activity 4.20

Add the middle number to other numbers.



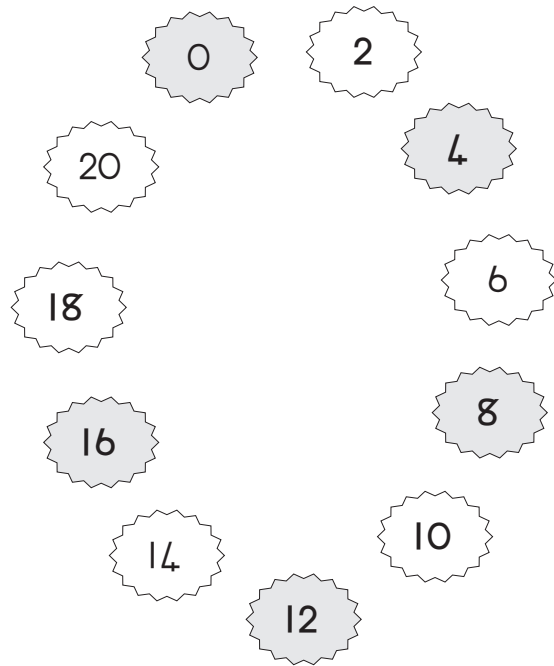
Enrichment Activity 4.17: Answers

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

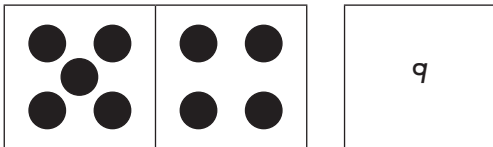
Complete the pattern.



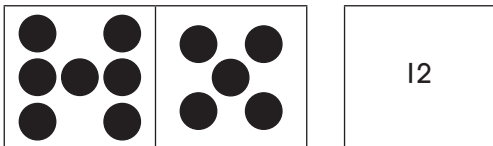
Enrichment Activity 4.19: Answers

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

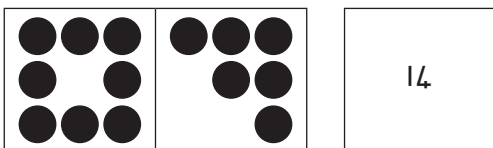
How much will it be?



How much will it be?

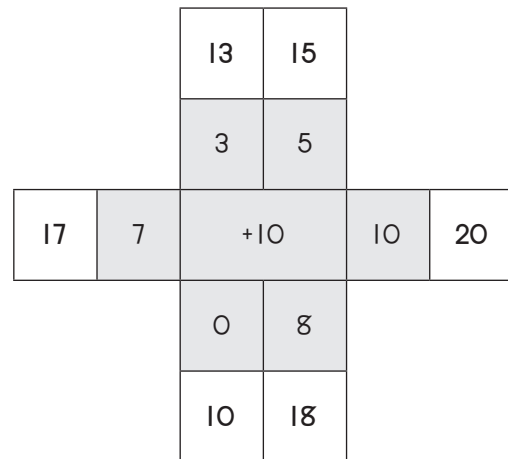


How much will it be?



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

$17 - 3 =$

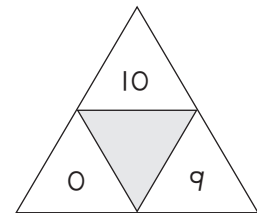
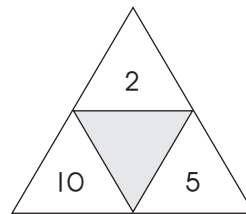
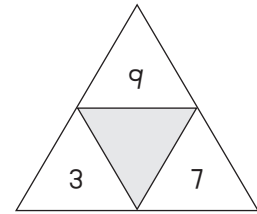
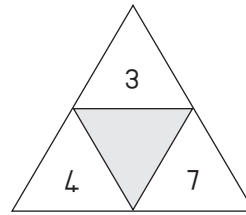
12

$19 - 7 =$

14

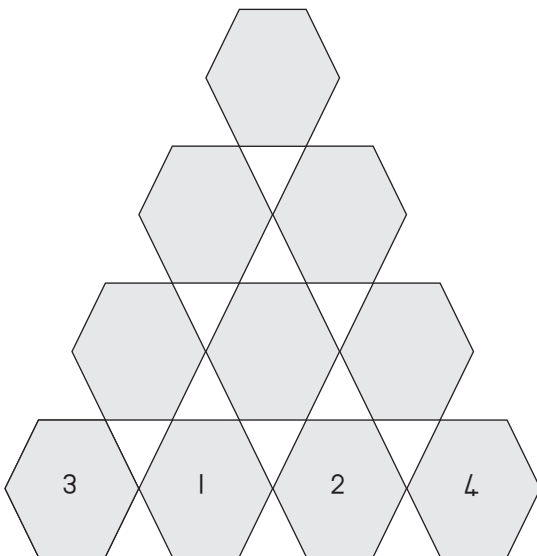
Enrichment Activity 4.22

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.



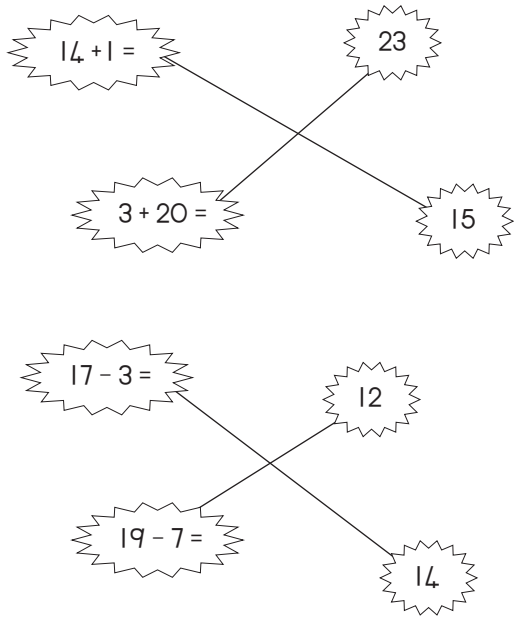
Enrichment Activity 4.24

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

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

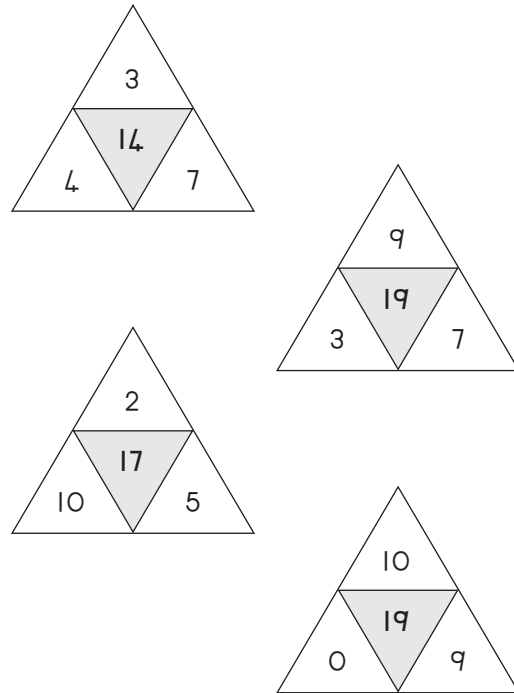
Enrichment Activity 4.21: Answers

Calculate the following and draw a line to the answer.



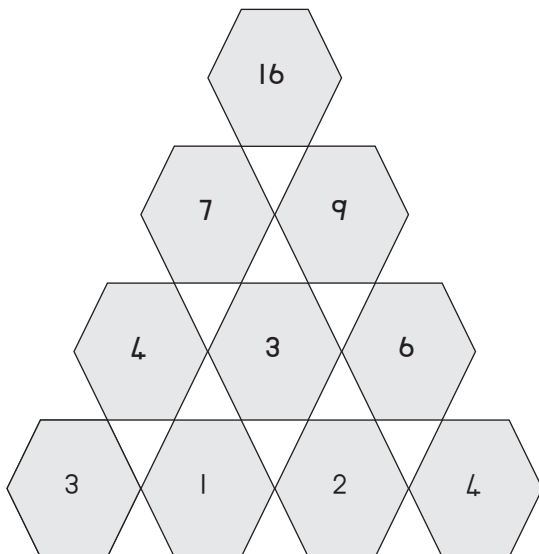
Enrichment Activity 4.22: Answers

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.



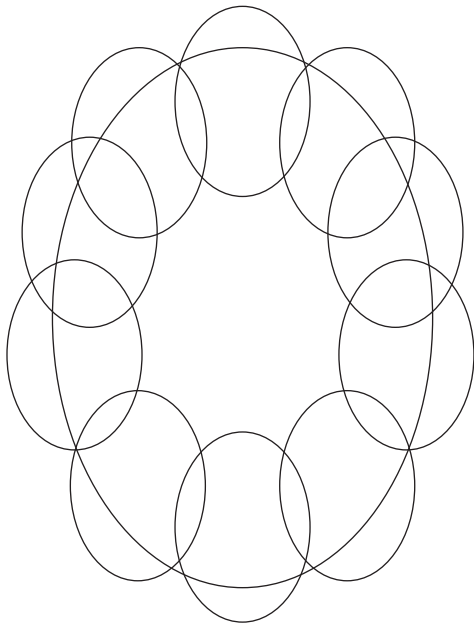
Enrichment Activity 4.24: Answers

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?



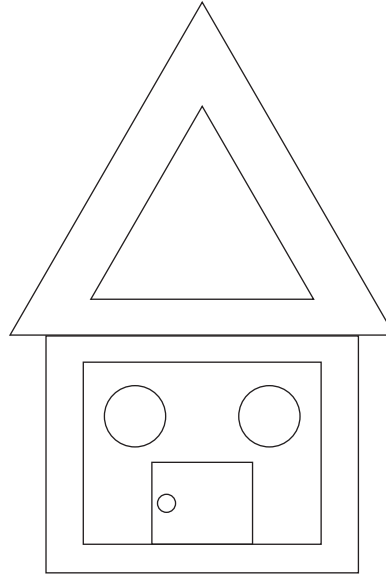
11 24 14

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.

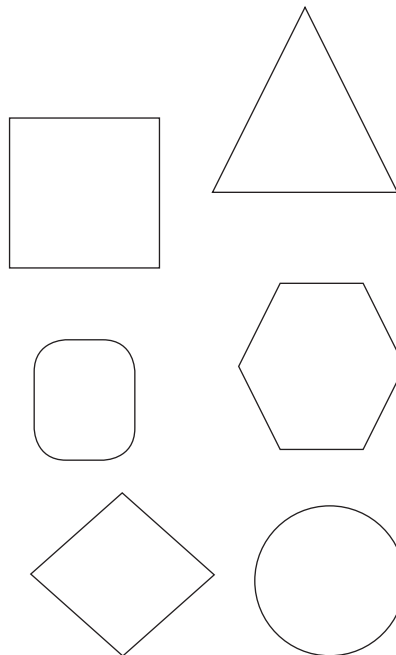
These words will help you:

triangle, circle, square.



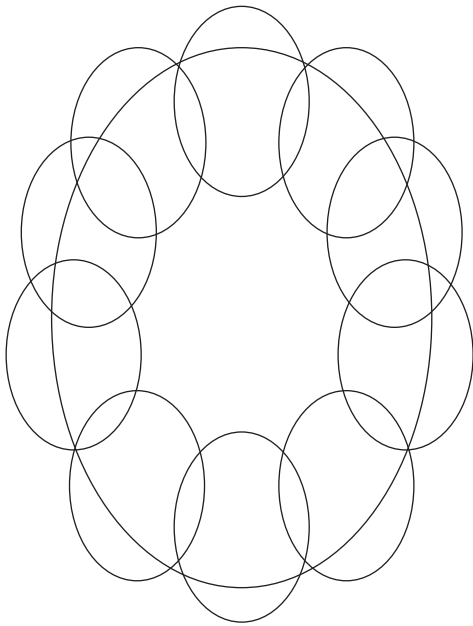
Enrichment Activity 4.28

Use these shapes to draw a picture.



Enrichment Activity 4.25: Answers

How many ovals do you see?



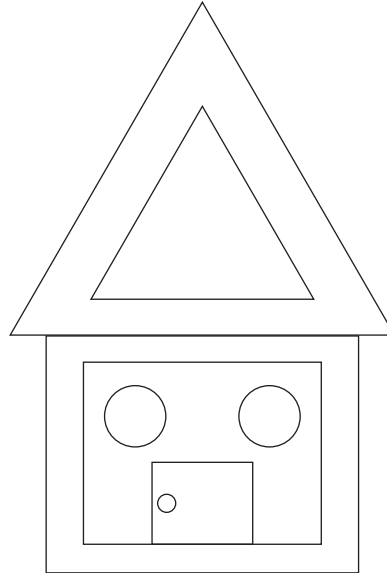
11 24 14

Enrichment Activity 4.26: Answers

How many  do you see? (3)

How many  do you see? (3)

How many  do you see? (2)

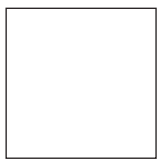


Enrichment Activity 4.27: Answers

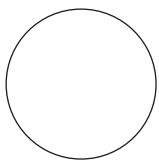
Name the different shapes.

These words will help you:

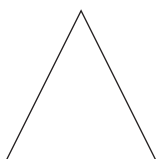
triangle, circle, square.



square



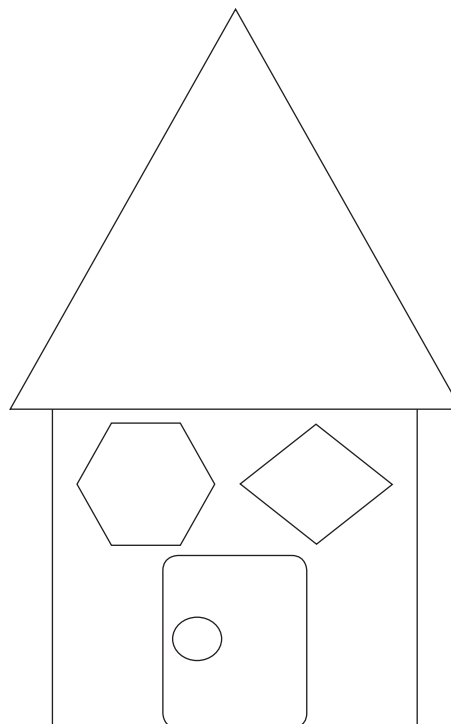
circle



triangle

Enrichment Activity 4.28: Answers

Use these shapes to draw a picture.



Enrichment Activity Cards: Tshivenda 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.

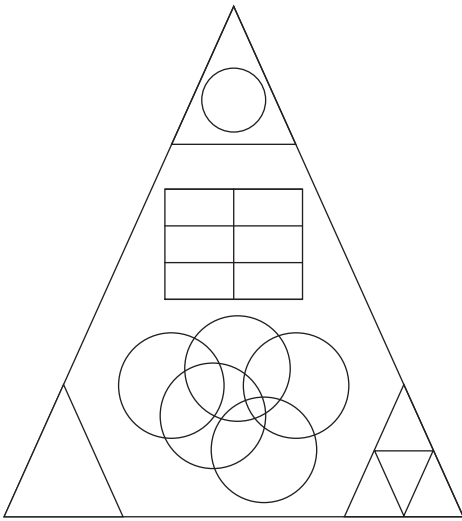
These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some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


Mushumo wa u Pfumisa Ndivho 4.1

Vhalani zwivhumbeo zwo fhambanaho.



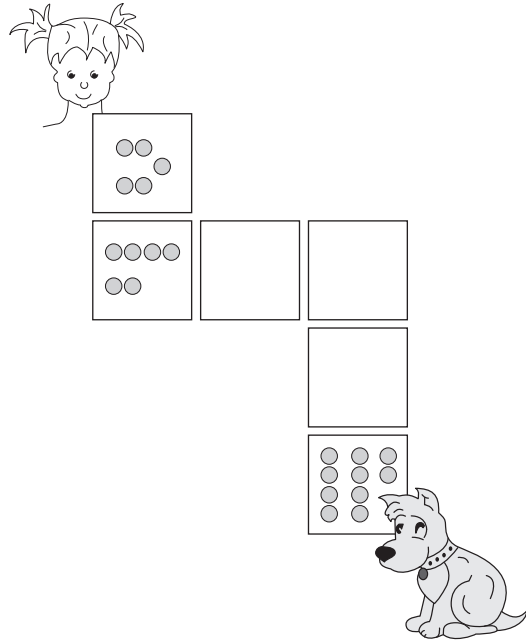
Hu na  zwingana? _____

Hu na  zwingana? _____

Hu na  zwingana? _____

Mushumo wa u Pfumisa Ndivho 4.2

Thusani Sarah u wana mmbya yawe yo xelaho nga u engedza zwivhali zwinwe



Mushumo wa u Pfumisa Ndivho 4.3

Tandululani thaidzo ni fhedzise phazili nga u nwala madzina a dzimbalo.

Fhasi

1. $10 + 6 =$

2. $6 + 5 =$

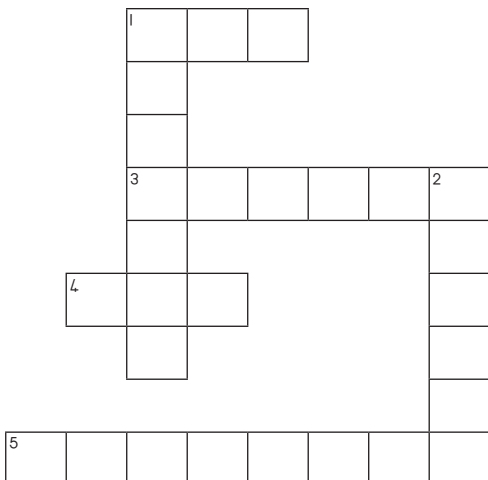
U budekanya

1. $12 - 6 =$

3. $6 + 6 =$

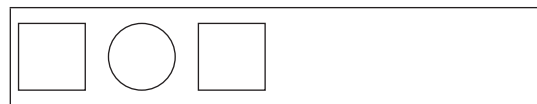
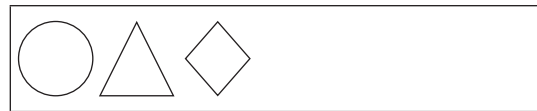
4. $20 - 10 =$

5. $8 + 11 =$



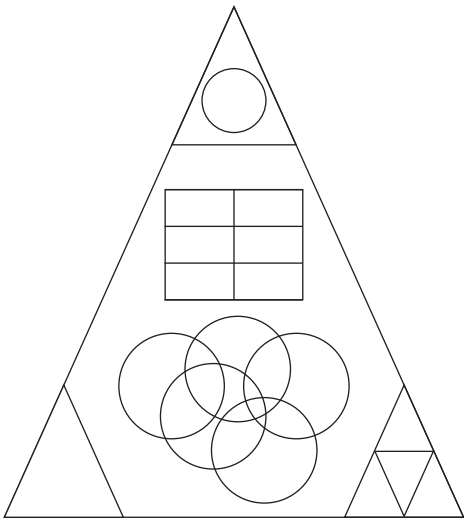
Mushumo wa u Pfumisa Ndivho 4.4

Fhedzisani phetheni.



Mushumo wa u Pfumisa Ndivho 4.1: Phindulo

Vhalani zwivhumbeo zwo fhambanaho.



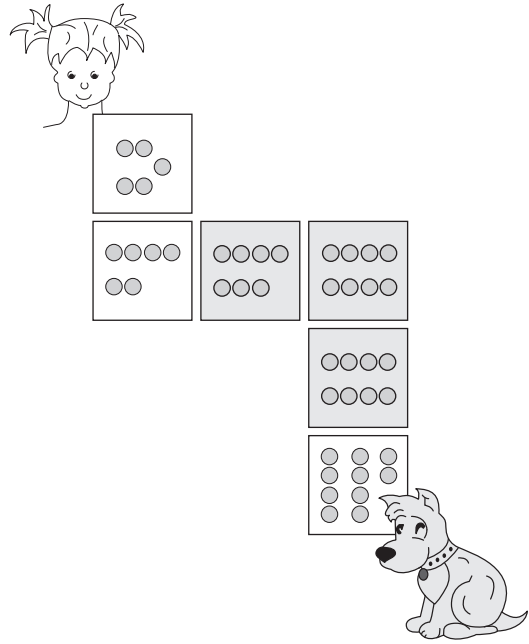
Hu na  zwingana? (8)

Hu na  zwingana? (14)

Hu na  zwingana? (6)

Mushumo wa u Pfumisa Ndivho 4.2: Phindulo

Thusani Sarah u wana mmbya yawe yo xelaho nga u engedza zwivhali zwinwe



Mushumo wa u Pfumisa Ndivho 4.3: Phindulo

Tandululani thaidzo ni fhedzise phazili nga u nwala madzina a dzimbalo.

Fhasi

1. $10 + 6 =$

2. $6 + 5 =$

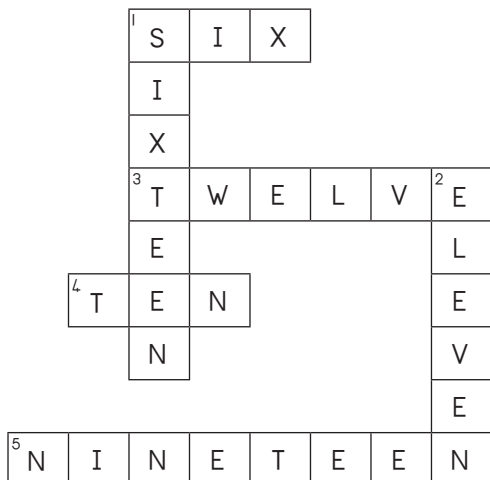
U budekanya

1. $12 - 6 =$

3. $6 + 6 =$

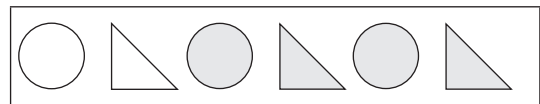
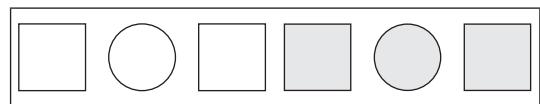
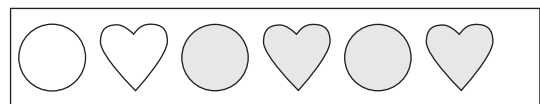
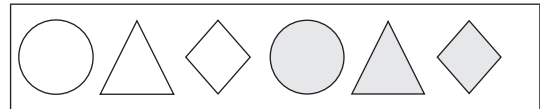
4. $20 - 10 =$

5. $8 + 11 =$



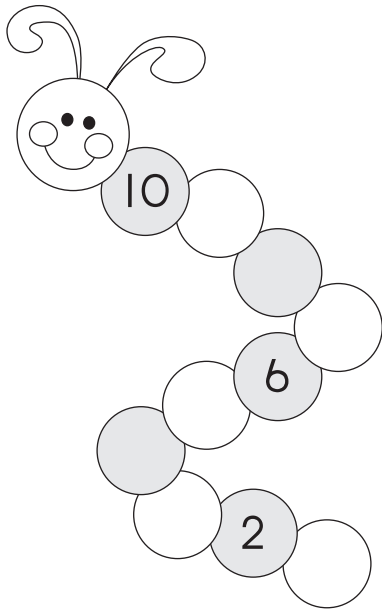
Mushumo wa u Pfumisa Ndivho 4.4: Phindulo

Fhedzisani phetheni.



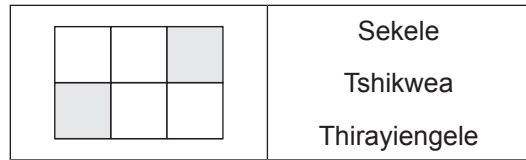
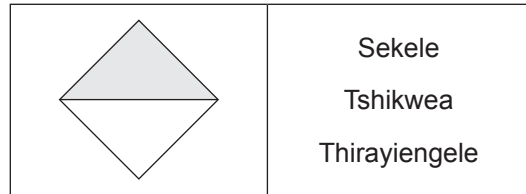
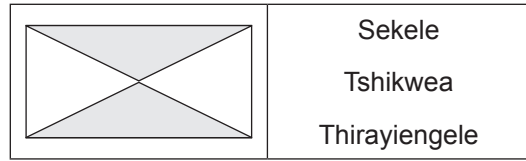
Mushumo wa u Pfumisa Ndivho 4.5

Fhedzisani phetheni u vhumba tshivhungu.



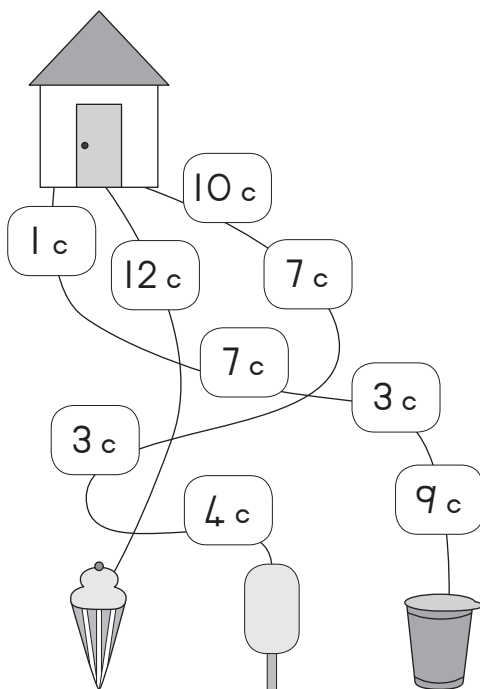
Mushumo wa u Pfumisa Ndivho 4.6

Ndi tshivhumbeo kana zwivhumbeo zwifhio zwo khalariwaho.



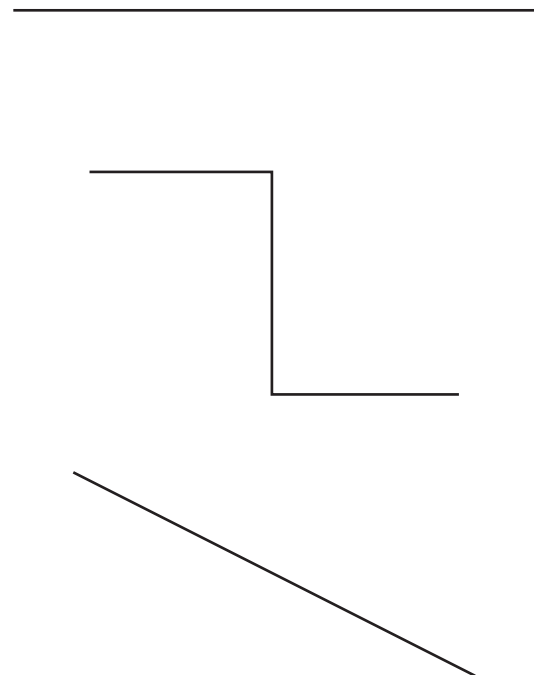
Mushumo wa u Pfumisa Ndivho 4.7

Tanganyisani tshelede ni tingeledze ayisikhirimu yo tshipaho.



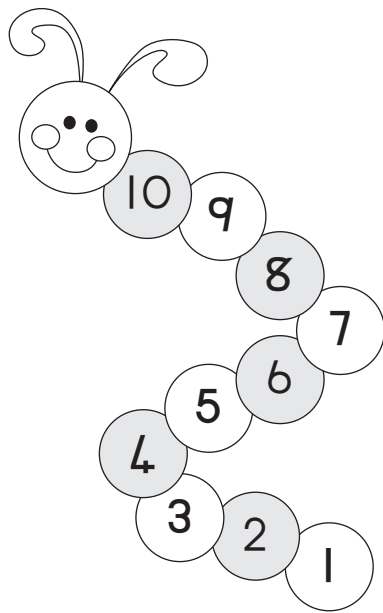
Mushumo wa u Pfumisa Ndivho 4.8

Tendeledzani mutalo wo lapfesaho. Nangwe na sa shumisa rula u kala mitalo zwi a tendelwa.



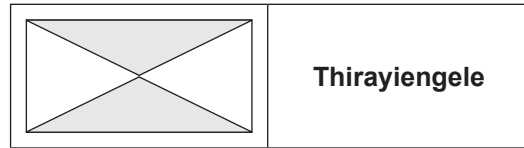
Mushumo wa u Pfumisa Ndivho 4.5: Phindulo

Fhedzisani phetheni u vhumba tshivhungu.

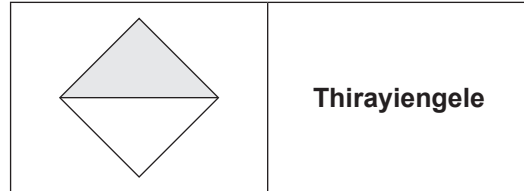


Mushumo wa u Pfumisa Ndivho 4.6: Phindulo

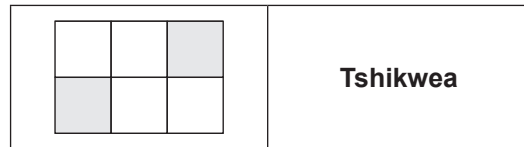
Ndi tshivhumbeo kana zwivhumbeo zwifhio zwo khalariwaho.



Thirayiengele



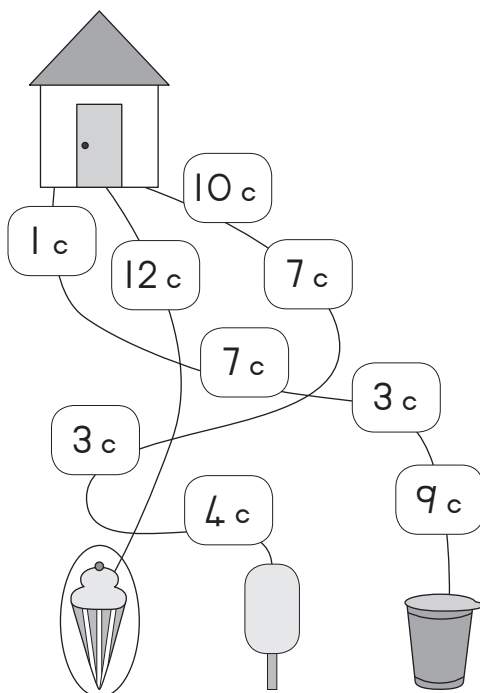
Thirayiengele



Tshikwea

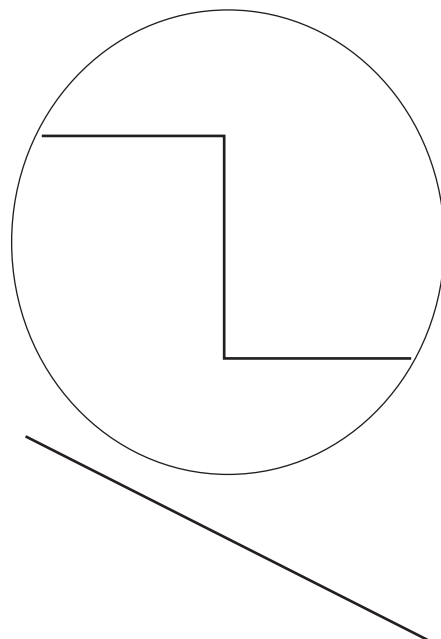
Mushumo wa u Pfumisa Ndivho 4.7: Phindulo

Tanganyisani tshelede ni tingeledze ayisikhirimu yo tshipaho.



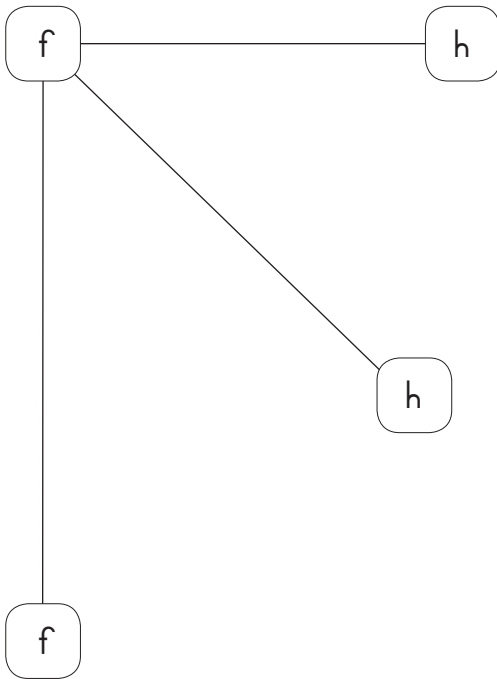
Mushumo wa u Pfumisa Ndivho 4.8: Phindulo

Tendeledzani mutalo wo lapfesaho. Nangwe na sa shumisa rula u kala mitalo zwi a tendelwa.



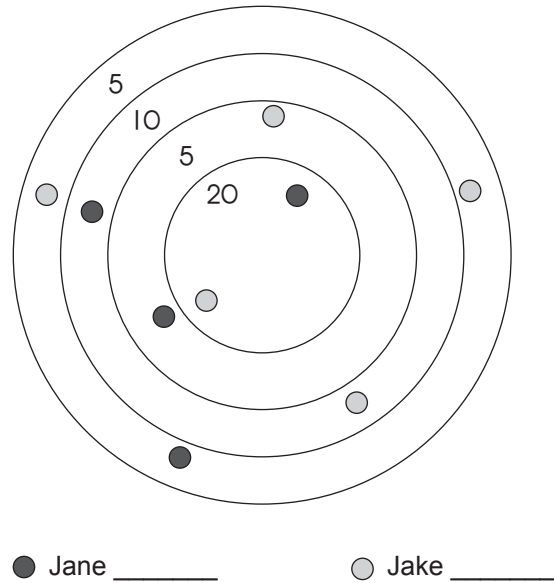
Mushumo wa u Pfumisa Ndivho 4.9

Tingeledzani mutaladzi mulapfusa.



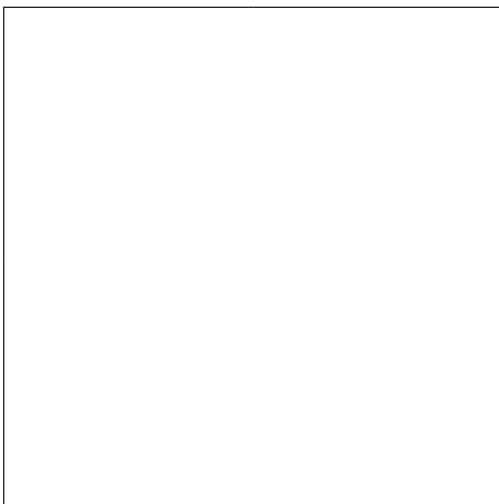
Mushumo wa u Pfumisa Ndivho 4.10

Jane na Jake vha khou tamba mutambo nga mimavhuli. Tanganyisani zwickoro zwavho uri ni kone u vhona uri ndi nnyi a no khou kunda



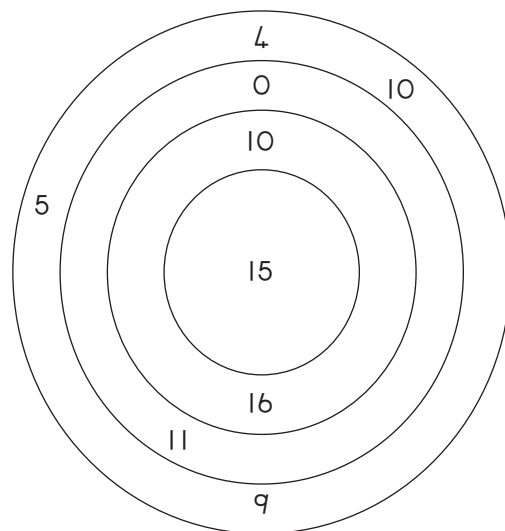
Mushumo wa u Pfumisa Ndivho 4.11

Tsheani tshikwea hetshi tshi bve zwiṱiḽa zwina zwiṱuku



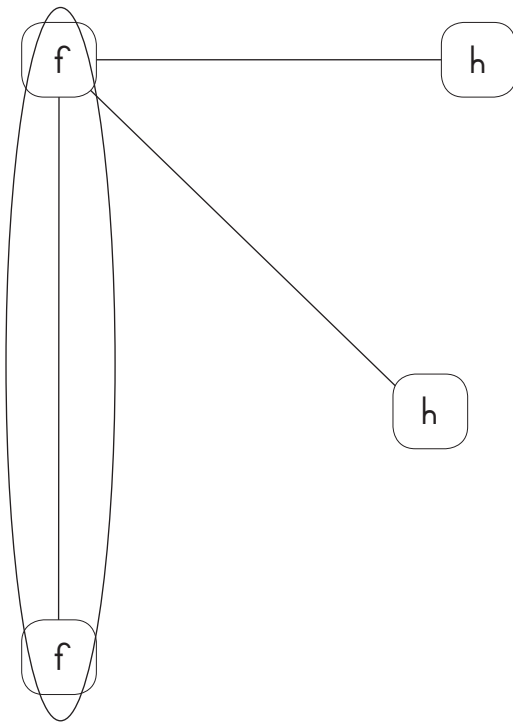
Mushumo wa u Pfumisa Ndivho 4.12

Shumisani nomboro u kona u vhona uri ni nga wana mbalo nngana arali phindulo i 20.



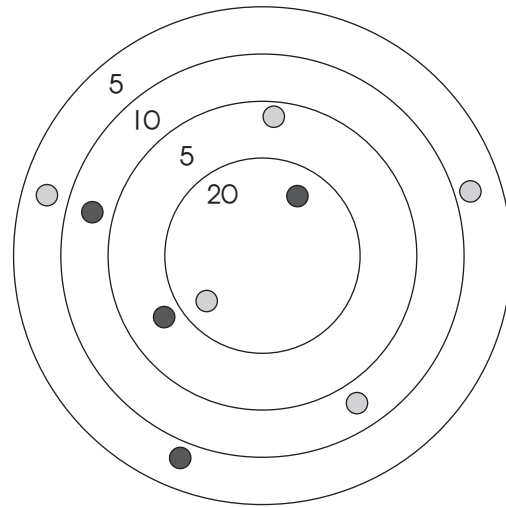
Mushumo wa u Pfumisa Ndivho 4.9: Phindulo

Tingeledzani mutaladzi mulapfusa.



Mushumo wa u Pfumisa Ndivho 4.10: Phindulo

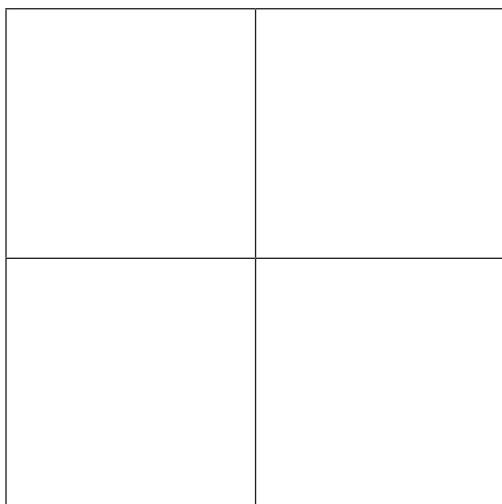
Jane na Jake vha khou tamba mutambo nga mimavhuli. Tanganyisani zwickoro zwavho uri ni kone u vhona uri ndi nnyi a no khou kunda



● Jane (40) ● Jake (45)

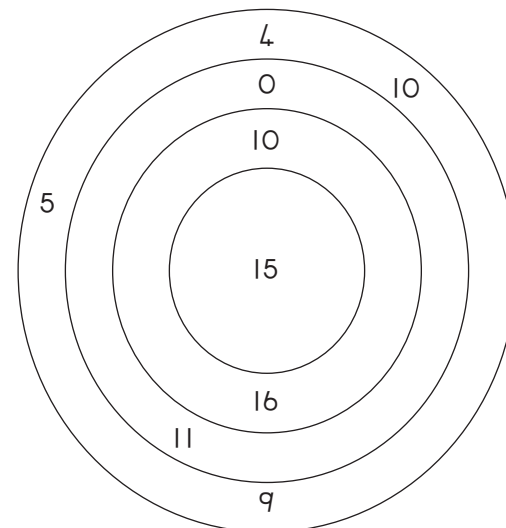
Mushumo wa u Pfumisa Ndivho 4.11: Phindulo

Tsheani tshikwea hetshi tshi bve zwiḽiḽa zwina zwiḽuku



Mushumo wa u Pfumisa Ndivho 4.12: Phindulo

Shumisani nomboro u kona u vhona uri ni nga wana mbalo nngana arali phindulo i 20.



Ni nga ita mbalo dza :

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

Mushumo wa u Pfumisa Ndivho 4.13

Vhambedzani thaidzo dzire kha buḷoko A na phindulo dzire kha buḷoko 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

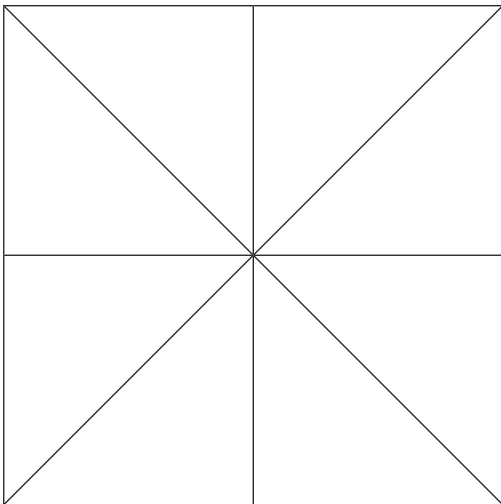
Mushumo wa u Pfumisa Ndivho 4.14

Lingedezani u ita mbalo dzire kha buḷoko hedzi

+	8	1	10
2			
4			
6			
8			
10			

Mushumo wa u Pfumisa Ndivho 4.15

Hu na \triangle zwingana?



Thirayiengele-12

Thirayiengele-16

Thirayiengele-13

Thirayiengele-14

Mushumo wa u Pfumisa Ndivho 4.16

Vhambedzani nomboro na madzinambalo.

Mbalo	Madzinambalo
8	Mbili
10	Sumbe
9	Malo
7	Ṭahe
2	Ṭahe
4	Raru
3	Ina

Mushumo wa u Pfumisa Ndivho 4.13: Phindulo

Vhambedzani thaidzo dzire kha buḷoko A na phindulo dzire kha buḷoko 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

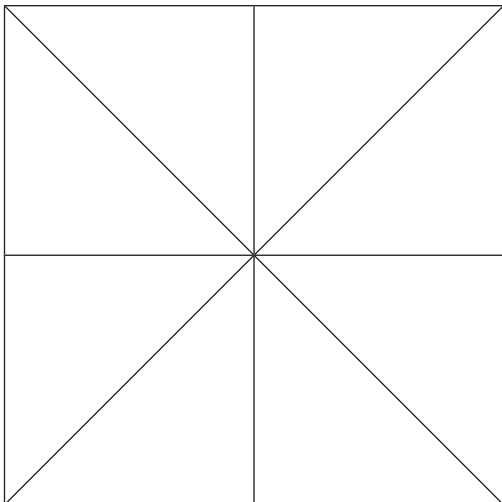
Mushumo wa u Pfumisa Ndivho 4.14: Phindulo

Lingedezani u ita mbalo dzire kha buḷoko hedzi

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

Mushumo wa u Pfumisa Ndivho 4.15: Phindulo

Hu na  zwingana?



Ṱhiraŷengele-16

Mushumo wa u Pfumisa Ndivho 4.16: Phindulo

Vhambedzani nomboro na madzinambalo.

Mbalo	Madzinambalo
8	Malo
10	Fumi
9	Ṱahe
7	Sumbe
2	Mbili
4	Ina
3	Raru

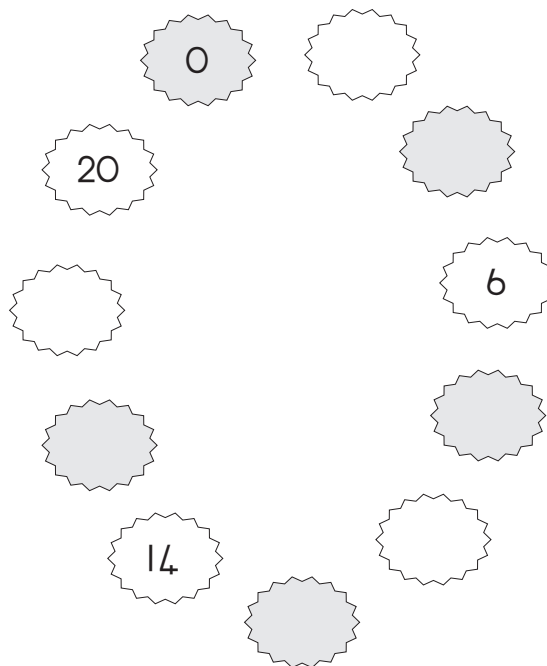
Mushumo wa u Pfumisa Ndivho 4.17

Fhedzisani thebuḽu nga u vhalela dzimbalo.

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

Mushumo wa u Pfumisa Ndivho 4.18

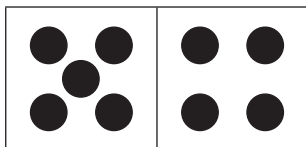
Fhedzisani phetheni.



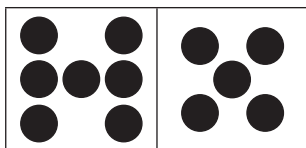
Mushumo wa u Pfumisa Ndivho 4.19

Ṓwalani tshithoma kha domini ni dzhenise phindulo.

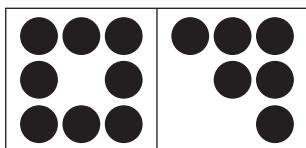
Zwi ḽo vha zwingana?



Zwi ḽo vha zwingana?

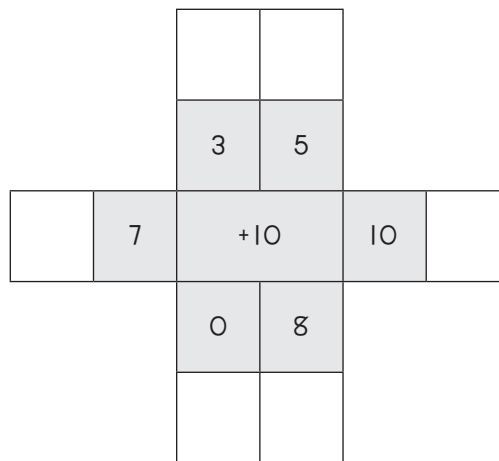


Zwi ḽo vha zwingana?



Mushumo wa u Pfumisa Ndivho 4.20

Ṓanganyisani nomboro ya vhubukati na dziḽwe nomboro.



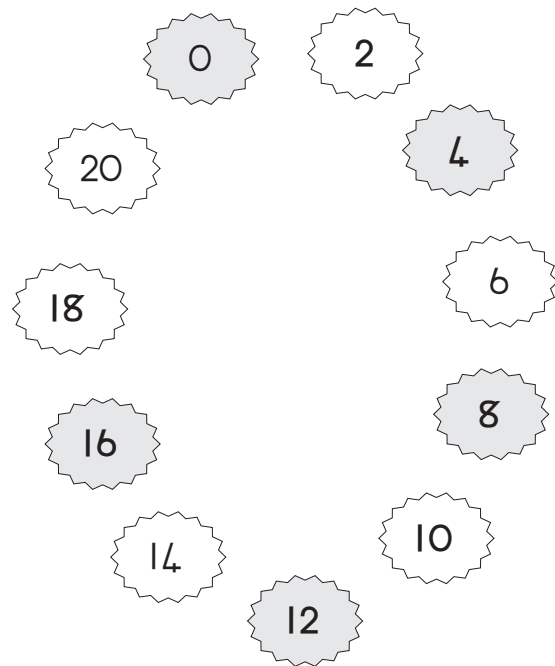
Mushumo wa u Pfumisa Ndivho 4.17: Phindulo

Fhedzisani thebuḽu nga u vhalela dzimbalo.

+	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

Mushumo wa u Pfumisa Ndivho 4.18: Phindulo

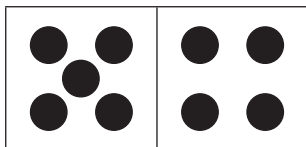
Fhedzisani phetheni.



Mushumo wa u Pfumisa Ndivho 4.19: Phindulo

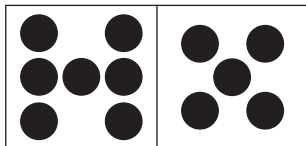
Ṓwalani tshithoma kha domini ni dzhenise phindulo.

Zwi ḽo vha zwingana?



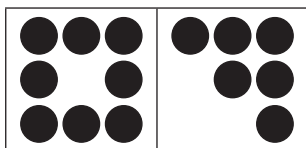
9

Zwi ḽo vha zwingana?



12

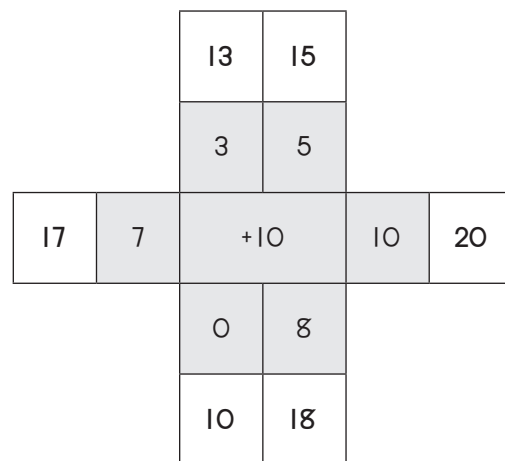
Zwi ḽo vha zwingana?



14

Mushumo wa u Pfumisa Ndivho 4.20: Phindulo

Ṙanganyisani nomboro ya vhubukati na dziḽwe nomboro.



Mushumo wa u Pfumisa Ndivho 4.21

Vhalelani zwi tevhelaho ni ġirowe mutaladzi u tshiya kha phindulo

$14 + 1 =$

23

$3 + 20 =$

15

$17 - 3 =$

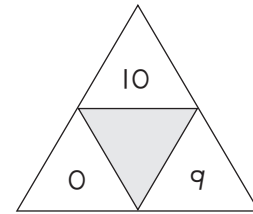
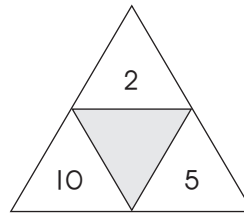
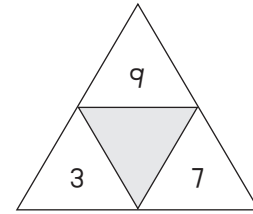
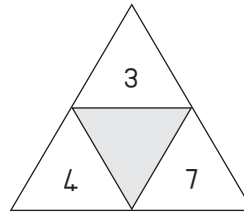
12

$19 - 7 =$

14

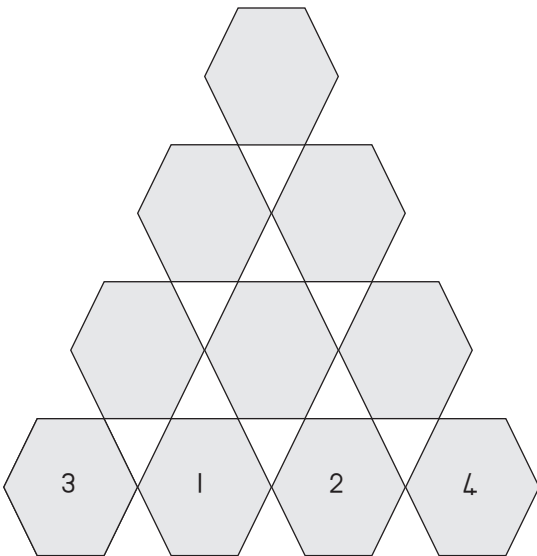
Mushumo wa u Pfumisa Ndivho 4.22

Ṭanganyisani dzinomboro u wana nomboro ya vhukati



Mushumo wa u Pfumisa Ndivho 4.23

Nomboro ire kha hezagono inwe na inwe yo vhumbiwa nga u ṭanganyisa nomboro dzire kha hezagono mmbili dzire fhasi hayo. Vhalelani nomboro l no khou ṭahela. .



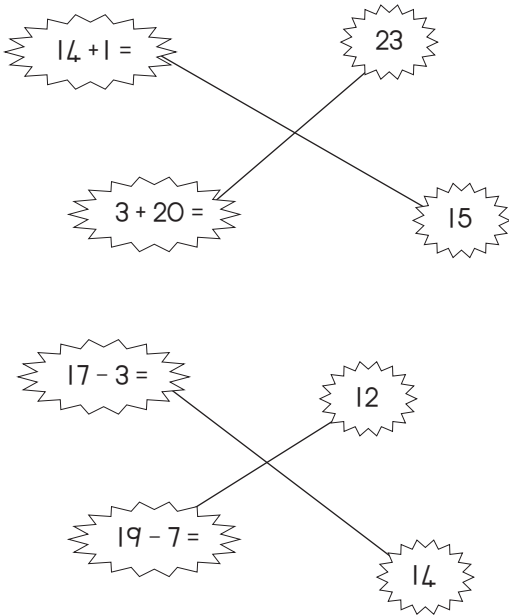
Mushumo wa u Pfumisa Ndivho 4.24

Vhalelani mutaladzi muṭwe na muṭwe wa phazili. Dzhenisani dziphindulo. Vhalelani khoḷomo ya phazili

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

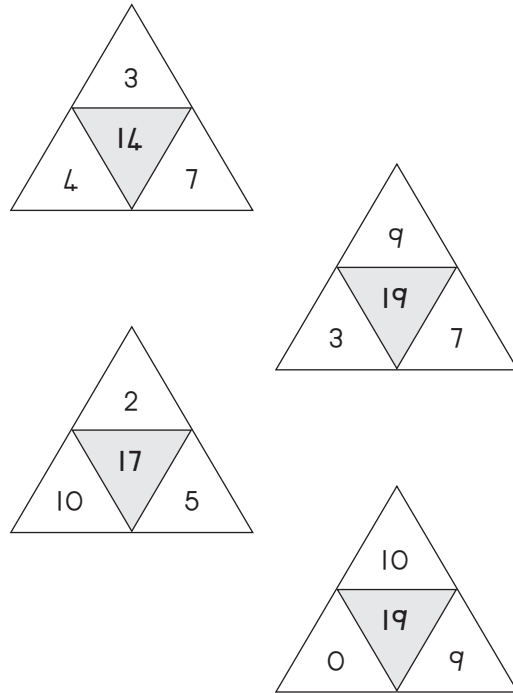
Mushumo wa u Pfumisa Nqivho 4.21: Phindulo

Vhalelani zwi tevhelaho ni qirowe mutaladzi u tshiya kha phindulo



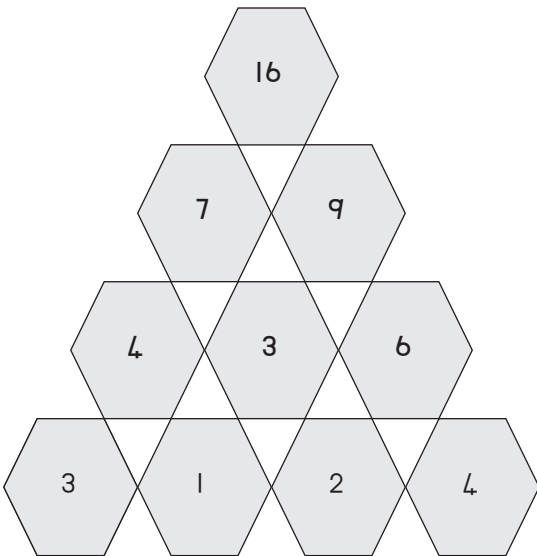
Mushumo wa u Pfumisa Nqivho 4.22: Phindulo

Ṭanganyisani dzinomboro u wana nomboro ya vhukati



Mushumo wa u Pfumisa Nqivho 4.23: Phindulo

Nomboro ire kha hezagono inwe na inwe yo vhumbiwa nga u ṭanganyisa nomboro dzire kha hezagono mmbili dzire fhasi hayo. Vhalelani nomboro l no khou ṭahela. .



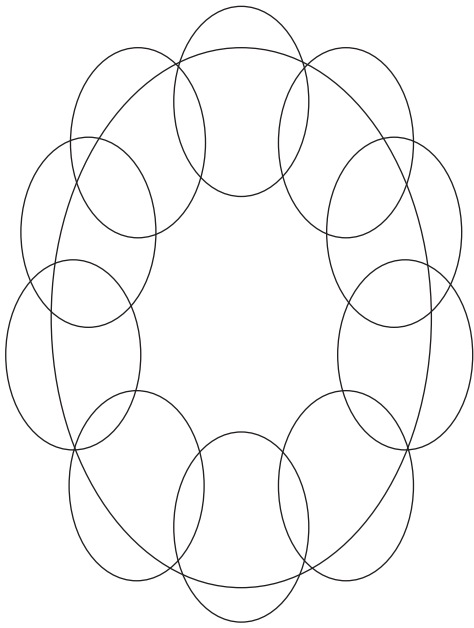
Mushumo wa u Pfumisa Nqivho 4.24: Phindulo

Vhalelani mutaladzi muṭwe na muṭwe wa phazili. Dzhenisani dziphindulo. Vhalelani khoḷomo ya phazili

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

Mushumo wa u Pfumisa Ndivho 4.25

Huna ovala nngana?



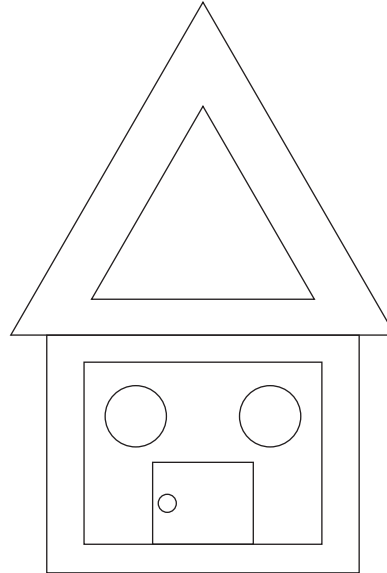
11 24 14

Mushumo wa u Pfumisa Ndivho 4.26

Ni khou vhona  zwingana?

Ni khou vhona  zwingana?

Ni khou vhona  zwingana?



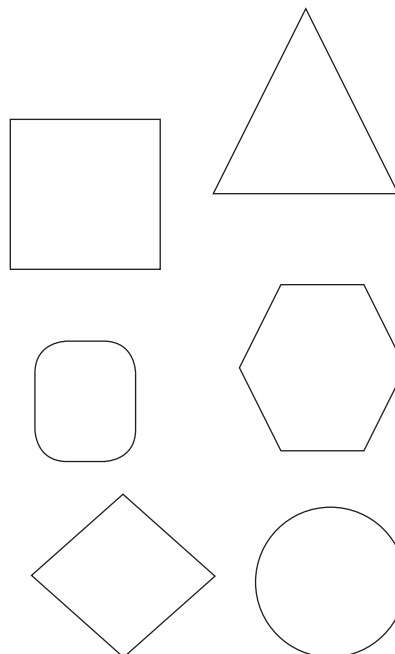
Mushumo wa u Pfumisa Ndivho 4.27

Ñwalani zwivhumbeo zwo fhambanaho. Maipfi haya a ɔo ni thusa: țhirayiengele, tshitingeledzi, tshikwea.



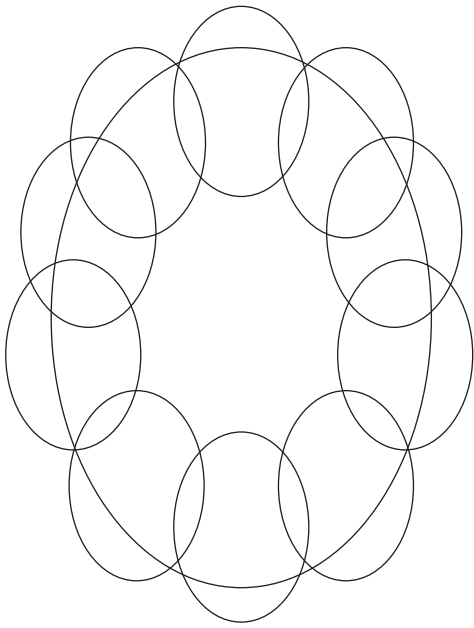
Mushumo wa u Pfumisa Ndivho 4.28

Shumisani zwivhumbeo hezwi u ɔirowa tshifanyiso.



Mushumo wa u Pfumisa Ndivho 4.25: Phindulo

Huna ovala nngana?



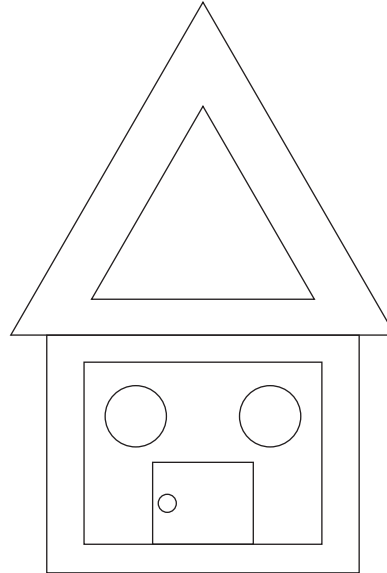
11 24 14

Mushumo wa u Pfumisa Ndivho 4.26: Phindulo

Ni khou vhona zwingana? (3)

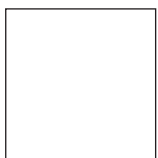
Ni khou vhona zwingana? (3)

Ni khou vhona zwingana? (2)

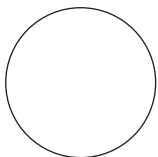


Mushumo wa u Pfumisa Ndivho 4.27: Phindulo

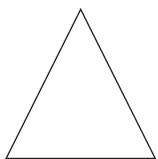
Ñwalani zwivhumbeo zwo fhambanaho. Maipfi haya a go ni thusa: thirayiengele, tshitingeledzi, tshikwea.



Tshikwea



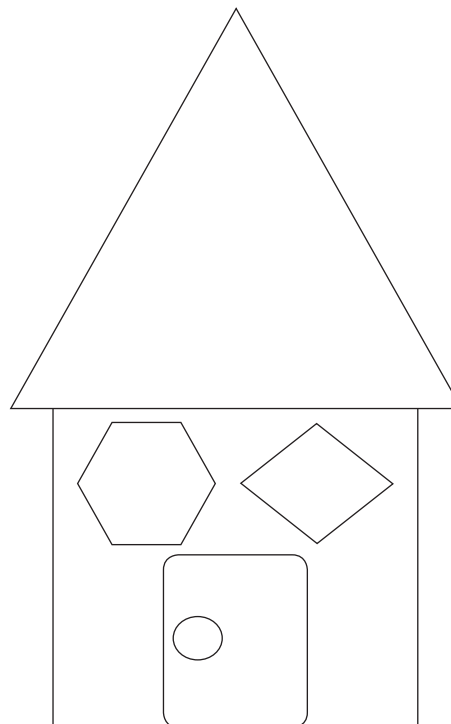
Sekele



Thirayiengele

Mushumo wa u Pfumisa Ndivho 4.28: Phindulo

Shumisani zwivhumbeo hezwi u qirowa tshifanyiso. Phindulo a dzi nga fani. .



Mushumo wa u Pfumisa Ndivho 4.29: Phindulo

Ṭanganyisani mutaladzi(mutevhe) wa dzinomboro u wana phindulo.

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

Mushumo wa u Pfumisa Ndivho 4.30: Phindulo

Ṇwalani madzinanomboro a nomboro dzi tevhelaho

8	Malo
2	Mbili
3	Raru
7	Sumbe
9	Ṭahe
10	fumi
5	ṭhanu
4	Ina
1	nthihi
6	rathi

Mushumo wa u Pfumisa Ndivho 4.31: Phindulo

Engedzani 10 ni dirowe phindulo kha tshanda tshauḷa.

Mushumo wa u Pfumisa Ndivho 4.32: Phindulo

Ndi ifhio nomboro ire khulwane? Tingeledzani nomboro khulwane

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