MATHEMATICS

Grade 3

English/ Xitsonga

Teacher's Resource Pack

2019 TERM 2

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1 Printable Resources

Printable 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 Multiplication table (lesson 1 and other) 2
Tafula ra ku andzisa (dyondzontsongo yo 1 na tin'wana) 2
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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 Multiplication table (lesson 1 and other)

Tafula ra ku andzisa (dyondzontsongo yo 1 na tin'wana)

	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

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

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

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

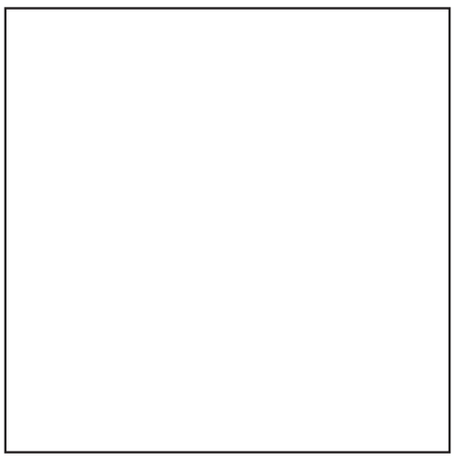
5 Array diagram (lesson 2 and other)

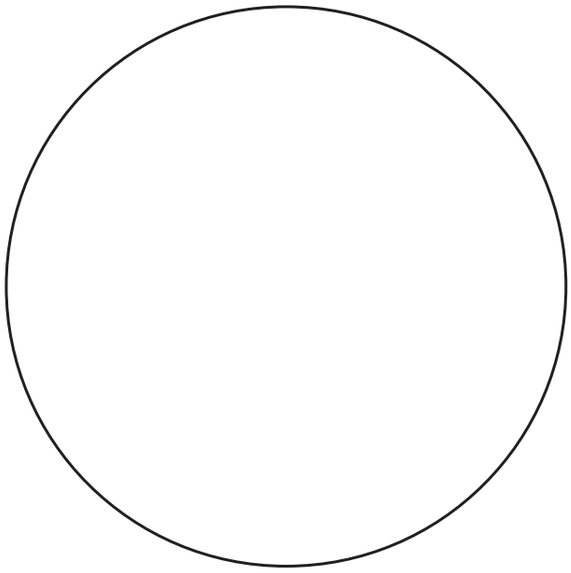
Tidayagiramu ta mixaxamelo (dyondzontsongo ya 2 na tin'wana)

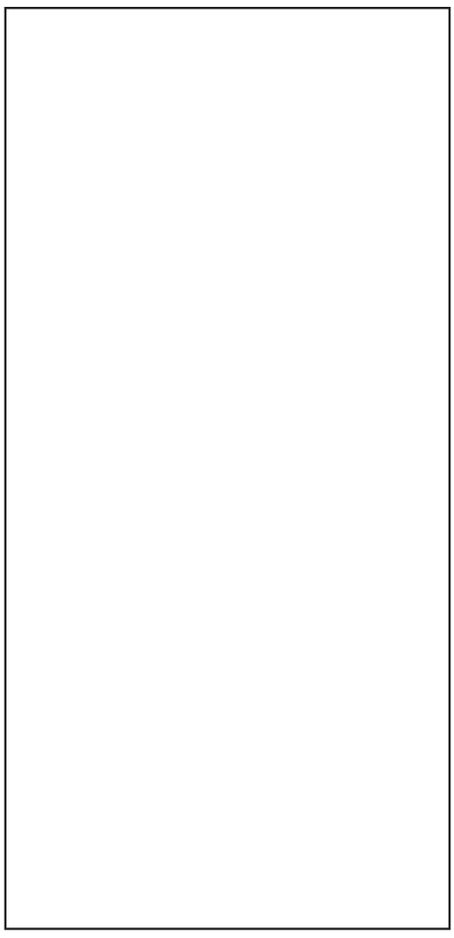
Array diagram for multiplication table Dayagiramu ya mixaxamelo ya matafula ya ku andzisa										
	1	2	3	4	5	6	7	8	9	10
1	●	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●	●
5	●	●	●	●	●	●	●	●	●	●
6	●	●	●	●	●	●	●	●	●	●
7	●	●	●	●	●	●	●	●	●	●
8	●	●	●	●	●	●	●	●	●	●
9	●	●	●	●	●	●	●	●	●	●
10	●	●	●	●	●	●	●	●	●	●

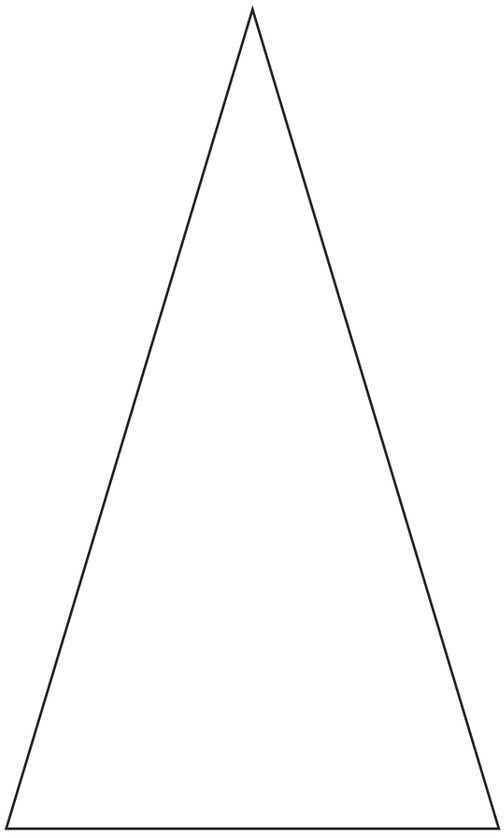
6 Shape cut outs (1) (lesson 38)

Swivumbeko swo tsemiwa (1) (dyondzontsongo ya 38)









7 Shape name cards (lesson 38 and 39)

rectangle

triangle

circle

square

8 Makhadi ya mavito ya swivumbeko (dyondzontsongo ya 38 na 39)

rhekuthengula

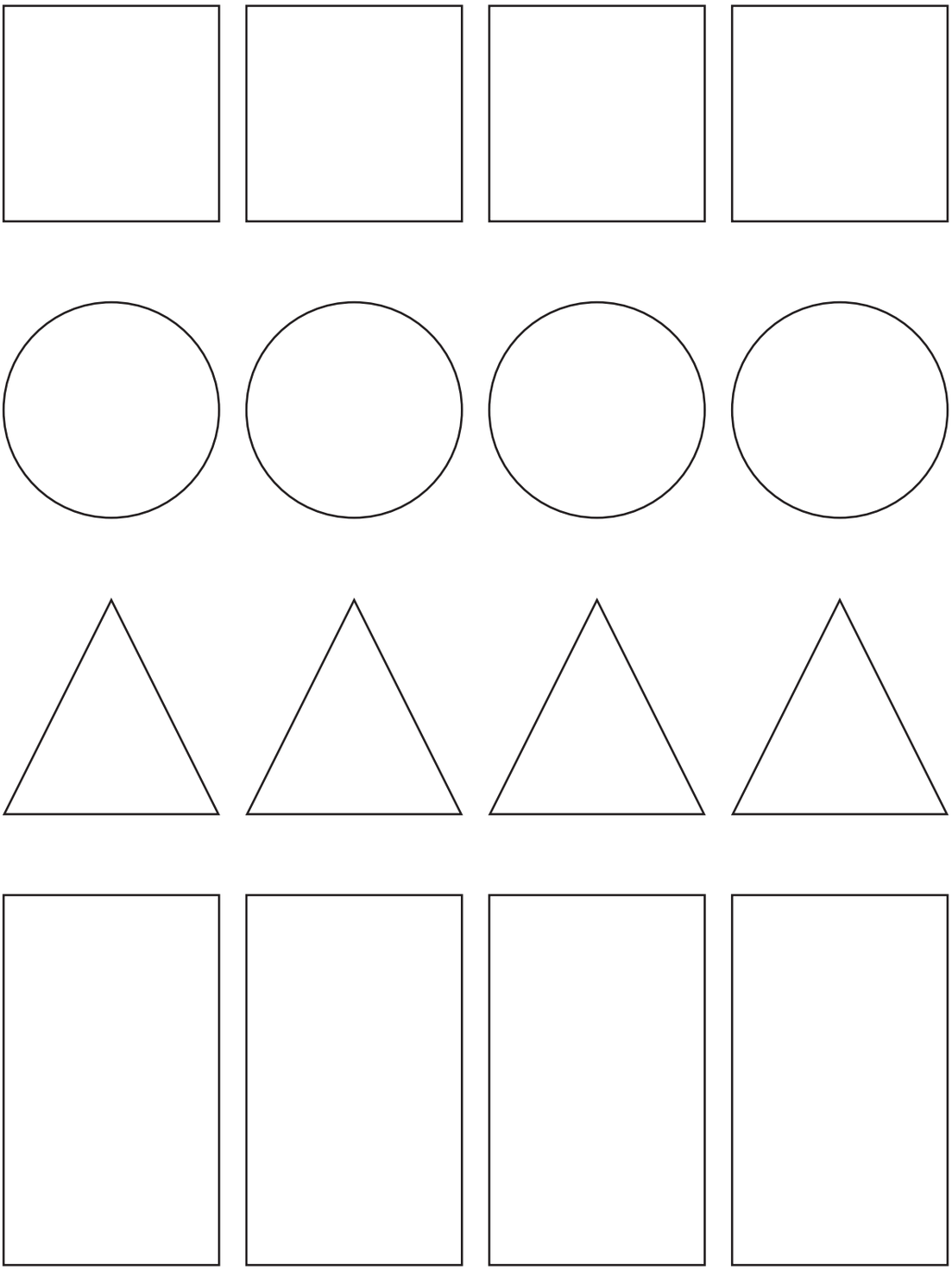
yinhlanharhu

xirhendzevutana

xikwere

9 Shape cut outs (2) (lesson 39, 44, 47)

Swivumbeko swo tsemiwa (2) (dyondzontsongo ya 39, 44, 47)



2 Written assessments

Written Assessment Lesson 8

Makambelelo yo tsariwa Dyondzontsongo ya 8

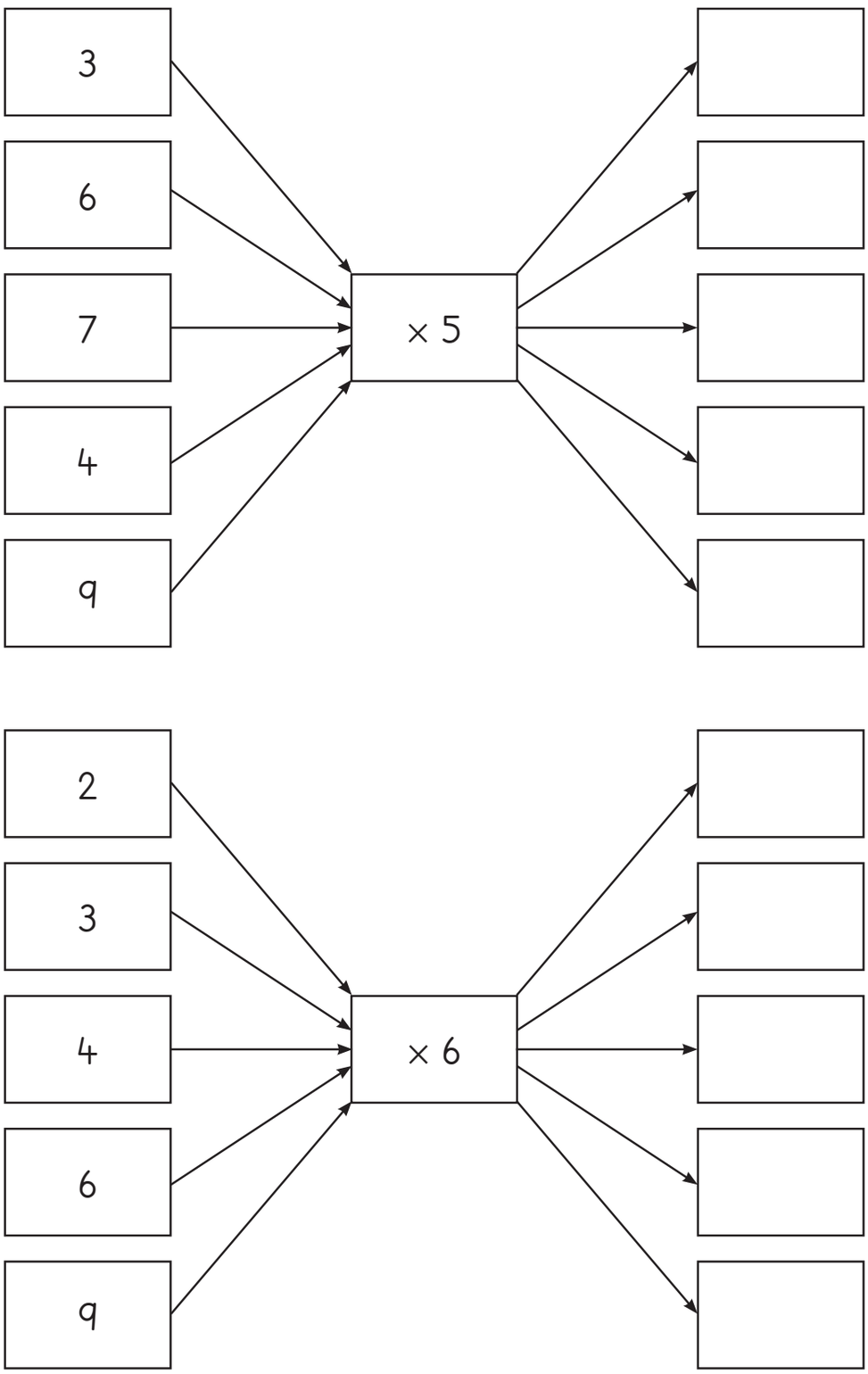
1 Complete the table:

Hetisa tafula leri: (17)

	Multiplication Ku andzisa	Repeated addition Ku hlanganisa ko vuyelela	Answer Nhlamulo
a	4 × 5	5 + 5 + 5 + 5	
b	3 × 6		
c		7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7	
d	2 × 6		
e		7 + 7 + 7	
f	7 × 5		
g		6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6	
h	8 × 7		
i		5 + 5 + 5 + 5 + 5 + 5	

2 Complete the flow diagrams:

Hetisa tidayagiramu ta matirhelo (10)

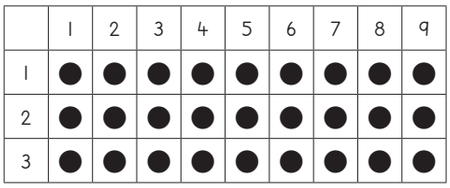
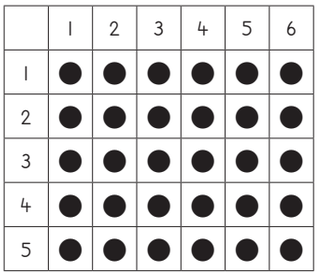


Written Assessment Lesson 16

Makambelelo yo tsariwa Dyondzontsongo ya 16

1 Write the number sentences with answers:

Tsala swivulwa swa tinomboro na tinhlamulo: (5)

		Number sentence Xivulwa xa tinomboro
a		
b		
c	7 groups of 2 wa mitlawa ya va	
d	3 groups of 8 mitlawa yi3 ya va8	
e	6 groups of 5 wa mitlawa ya va	

2 Write the number sentences with answers:

Tsala swivulwa swa tinomboro na tinhlamulo: (4)

	Repeated addition Ku hlanganisa ko vuyelela	Number sentence Xivulwa xa tinomboro
a	7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 =	
b	3 + 3 + 3 + 3 + 3 =	
c	9 + 9 + 9 + 9 + 9 + 9 =	
d	5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 =	

3 Calculate by doubling:

Khakhuleta hi ku mbirhihata: (5)

	Multiple Ku andzisa	Double Mbirhihata	Add Hlanganisa	Answer Nhlamulo
a	2 × 21	20 + 1 + 20 + 1	40 + 2	
b	2 × 36			
c	2 × 47			

4 Solve the problems.

Ololoxa swiphiqo leswi. (2 x 3 = 6)

a Silindile has 21 shells.
She finds another 21 shells.
How many shells does she have now?

Silindile u na 21 wa swikhambati.
U kume swikhambati swin'wana swa 21.
Xana u na swikhambati swingani sweswi?

b Lindo has 45 marbles.
He wins another 46 marbles.
How many marbles does he have now?

Lindo u na 45 wa timabulu.
U wine timabulu tin'wana ta 46.
Xana u na timabulu tingani sweswi?

Written Assessment Lesson 21

Makambelelo yo tsariwa Dyondzontsongo ya 21

1 Calculate:

Khakhuleta: (8)

a	10 × 7 =	
b	10 × 2 =	
c	3 × 10 =	
d	5 × 10 =	
e	10 × 10 =	
f	9 × 10 =	
g	1 × 10 =	
h	10 × 5 =	

2 Complete the table:

Hetisa tafula leri: (10)

		Repeated addition Ku hlanganisa ko vuyelela	Number sentence Xivulwa xa tinomboro
a	4 groups of 6 wa mitlawa ya va		4 × 6 = 24
b	2 groups of 4 mitlawa yi2 ya va	4 + 4	
c		10 + 10 + 10	3 × 10 = 30
d	5 groups of 7 wa mitlawa ya va		
e	10 groups of 6 wa mitlawa ya va	6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6	
f	4 groups of 9 wa mitlawa ya va		4 × 9 = 36
g		5 + 5 + 5 + 5 + 5 + 5 + 5 + 5	
h	9 groups of 8 wa mitlawa ya	8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8	

Written Assessment Lesson 24

Makambelelo yo tsariwa Dyondzontsongo ya 24

1 Draw a line between number sentences that give the same answer:

Dirowa ndzhati exikarhi ka swivulwa swa tinomboro leswi nga na nhlamulo yo fana: (8)

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

2 Use your multiplication table to find the missing numbers:

Tirhisa tafula ra wena ro andzisa leswaku u kuma tinomboro leti siyiweke: (6)

		Answer Nhlamulo
a	☐ × 5 = 35	
c	7 × ☐ = 28	
e	☐ × 2 = 14	

		Answer Nhlamulo
b	6 × ☐ = 36	
d	☐ × 8 = 72	
f	5 × ☐ = 30	

3 Draw an array diagram to show:

Dirowa dayagiramu ya mixaxamelo ku komba: (4)

	Multiple Miandziso	Array Mixaxamelo
a	3 × 2	
b	2 × 3	
c	5 × 1	
d	1 × 5	

Written Assessment Lesson 31

Makambelelo yo tsariwa Dyondzontsongo ya 31

1 Write half past 7 in digital time.

Tsala hafu ku bile awara ya 7 hi nkarhi wa dijitali. (1)

_____

2 Write quarter to 9 in digital time.

Tsala kotara ku nga si ba awara ya 9 hi nkarhi wa dijitali. (1)

_____

3 Circle the clock that shows quarter past two.

Bana xirhendzevutana ewachini leri kombaka kotara ku bile awara ya mbirhi. (1)

4 Draw the hands on this analogue clock to show half past 3 in the afternoon.

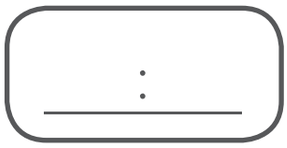
Dirowa timhondzo ewachini leya analogo ku komba hafu ku bile awara ya 3 ninhlekanhi. (2)

5 Show quarter to 10 on an analogue and a digital clock.

Komba kotara ku nga si ba awara ya 10 ewachini ya analogo na ya dijitali. (3)

a

b



6 How much time passed between 2 o'clock and half past four in the afternoon?

Komba kotara ku nga si ba awara ya 10 ewachini ya analogo na ya dijitali. (2)

Written Assessment Lesson 37

Makambelelo yo tsariwa Dyondzontsongo ya 37

1 Circle which of these shapes have round sides. (1)

Square, circle, rectangle, triangle

Bana xirhendzevutana eka xivumbeko lexi nga na matlhelo yo rhendzeleka.

Xikwere, xirhendzevutana, rhekuthengula, yinhlanharhu

2 Draw 3 different size triangles in 3 different positions.

Dirowa tinhlanharhu ti3 ta tisayizi to hambana na swiyimo swi3 swo hambana. (3)

3 Draw a square that has 5 cm sides.

Dirowa xikwere lexi nga na matlhelo ya 5 cm. (3)

4 Draw a rectangle that is 6 cm long and 4 cm wide.

Dirowa rhekuthengula leyi leheke 6 cm yi tlhela yi anama 4 cm. (4)

5 A square, triangle, circle and rectangle are 2-D shapes. What does this mean?

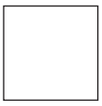
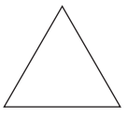
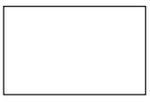
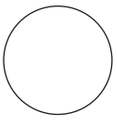
Xikwere, yinhlanharhu, xirhendzevutana na rhekuthengula swi na swivumbeko swa matlhelo mambirhi. Xana leswi swi vula yini? (1)

Written Assessment Lesson 43

Makambelelo yo tsariwa Dyondzontsongo ya 43

1 Complete this table.

Hetisa tafula leri. (12)

	Name of shape Vito ra xivumbeko	Number of sides Nhlayo ya matlhelo	Round/straight? Rhendzeleka/ ololokile
a 			
b 			
c 			
d 			

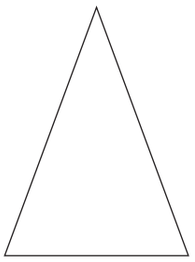
2 Draw 3 triangles. Each one must look different.

Dirowa tinhlanharhu ti3. Yin'wana na yin'wana a yi hambane na tin'wana. (3)

3 Draw the line of symmetry into the shape below:

Dirowa ndzhati wa ndzinganiso eka xivumbeko lexi nga laha hansi. (1)

4 Draw the line of symmetry in the triangle.
Dirowa ndzhati wa ndzinganiso eka yinhlanharhu leyi. (1)



Written Assessment Lesson 49

Makambelelo yo tsariwa Dyondzontsongo ya 49

1 Draw the next shape in this pattern:

Dirowa xivumbeko lexi landzelaka eka patironi leyi: (1)

2 Draw and extend a pattern in which the sizes of the shapes increase.

Dirowa u tlhela u ndlandlamuxa patironi leyi tisayizi ta swivumbeko swa yona ti kulaka: (3)

3 Make your own pattern using circles and squares.

Tiendlele patironi u tirhisa swirhendzevutana na swikwere. (3)

4 Use three squares to draw a pattern. The size of the squares need to change in a regular way. Draw the pattern 2 times.

Tirhisa swikwere swinharhu ku dirowa patironi. Sayizi ya swikwere yi fanele yi cinca xikan'we. Dirowa patironi ka2. (3)