

**MATHEMATICS**

**Grade 2**

**English/  
Tshivenda**

**Teacher's  
Resource  
Pack**

**2019 TERM 3**



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# I 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 cards (lesson 9 and other) Garaṭa dza muandiso (ngudo ya 9 na inwe)	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.

## ZWIKO ZWA U FUNZA ZWA ḽUVHA NGA ḽUVHA

Hu na zwiko zwinwevho zwi no nga zwiko zwi si zwa fomaḽa (magazini ya kale, zwipiḽa zwa vhutambo/miḽali, mabambiri o no shumiswaho, nzw.) zwine vha nga zwi shumisa kha dziinwe dza ngudo. Vha tea u sedza mutevhe wa zwiko nga vhuronwane une wa ḽo shumiswa kha ngudo inwe na inwe; mutevhe uyu u sumbedzwa kha pulane ya ngudo ya ḽuvha ḽinwe na ḽinwe. Kha vha ḽilugise, uri ḽuvha ḽinwe na ḽinwe vha vhe vhe na zwiko zwo teaho ngudo.

1 Multiplication cards (lesson 9 and other)  
Garaṭa dza muandiso (ngudo ya 9 na iṅwe)

$1 \times 1$	$2 \times 1$	$3 \times 1$
$1 \times 2$	$2 \times 2$	$3 \times 2$
$1 \times 3$	$2 \times 3$	$3 \times 3$
$1 \times 4$	$2 \times 4$	$3 \times 4$
$1 \times 5$	$2 \times 5$	$3 \times 5$
$1 \times 6$	$2 \times 6$	$3 \times 6$
$1 \times 7$	$2 \times 7$	$3 \times 7$
$1 \times 8$	$2 \times 8$	$3 \times 8$
$1 \times 9$	$2 \times 9$	$3 \times 9$

2 Multiplication cards (lesson 9 and other)  
Garaṭa dza muandiso (ngudo ya 9 na inwe)

$4 \times 1$	$5 \times 1$
$4 \times 2$	$5 \times 2$
$4 \times 3$	$5 \times 3$
$4 \times 4$	$5 \times 4$
$4 \times 5$	$5 \times 5$
$4 \times 6$	$5 \times 6$
$4 \times 7$	$5 \times 7$
$4 \times 8$	$5 \times 8$
$4 \times 9$	$5 \times 9$

### 3 Array diagram (lesson 21 and other)

Nyolo ya mbekanywa/mithevhe (ngudo ya 21 na inwe)

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



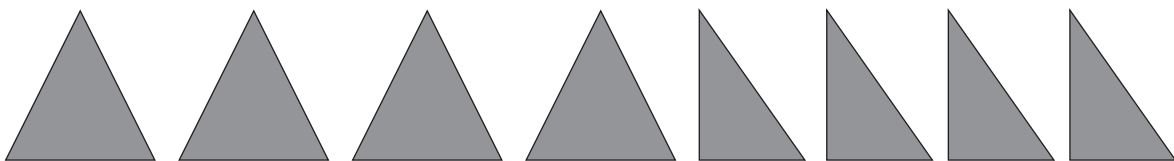
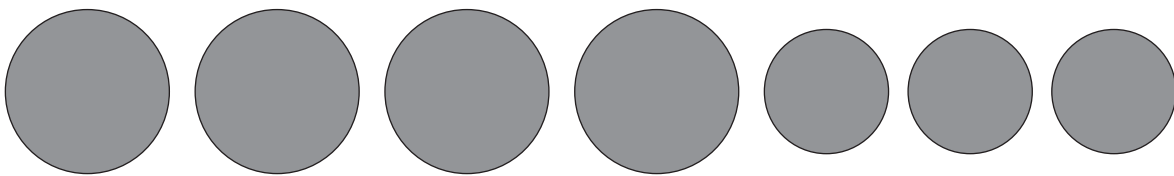
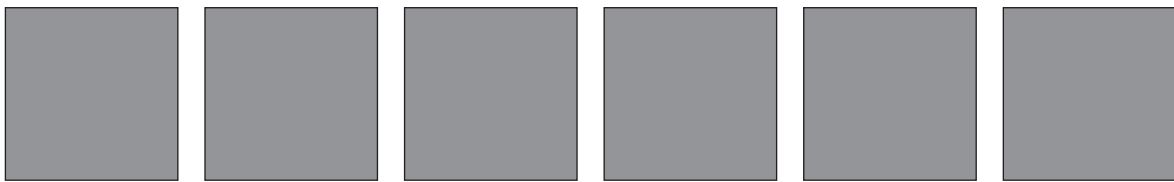
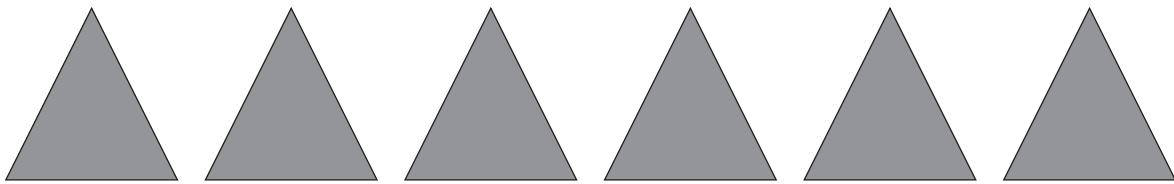
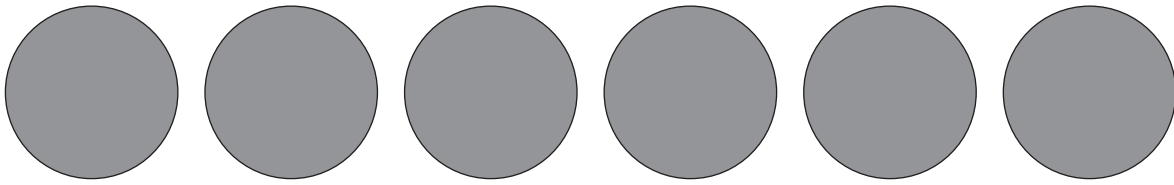
## 4 Multiplication table (lesson 23 and 24)

Thebulu ya muandiso (ngudo ya 23 na ya 24)

	1	2	3	4	5
1	1	2	3	4	5
2	2	4	6	8	10
3	3	6	9	12	15
4	4	8	12	16	20
5	5	10	15	20	25
6	6	12	18	24	30
7	7	14	21	28	35
8	8	16	24	32	40
9	9	18	27	36	45
10	10	20	30	40	50

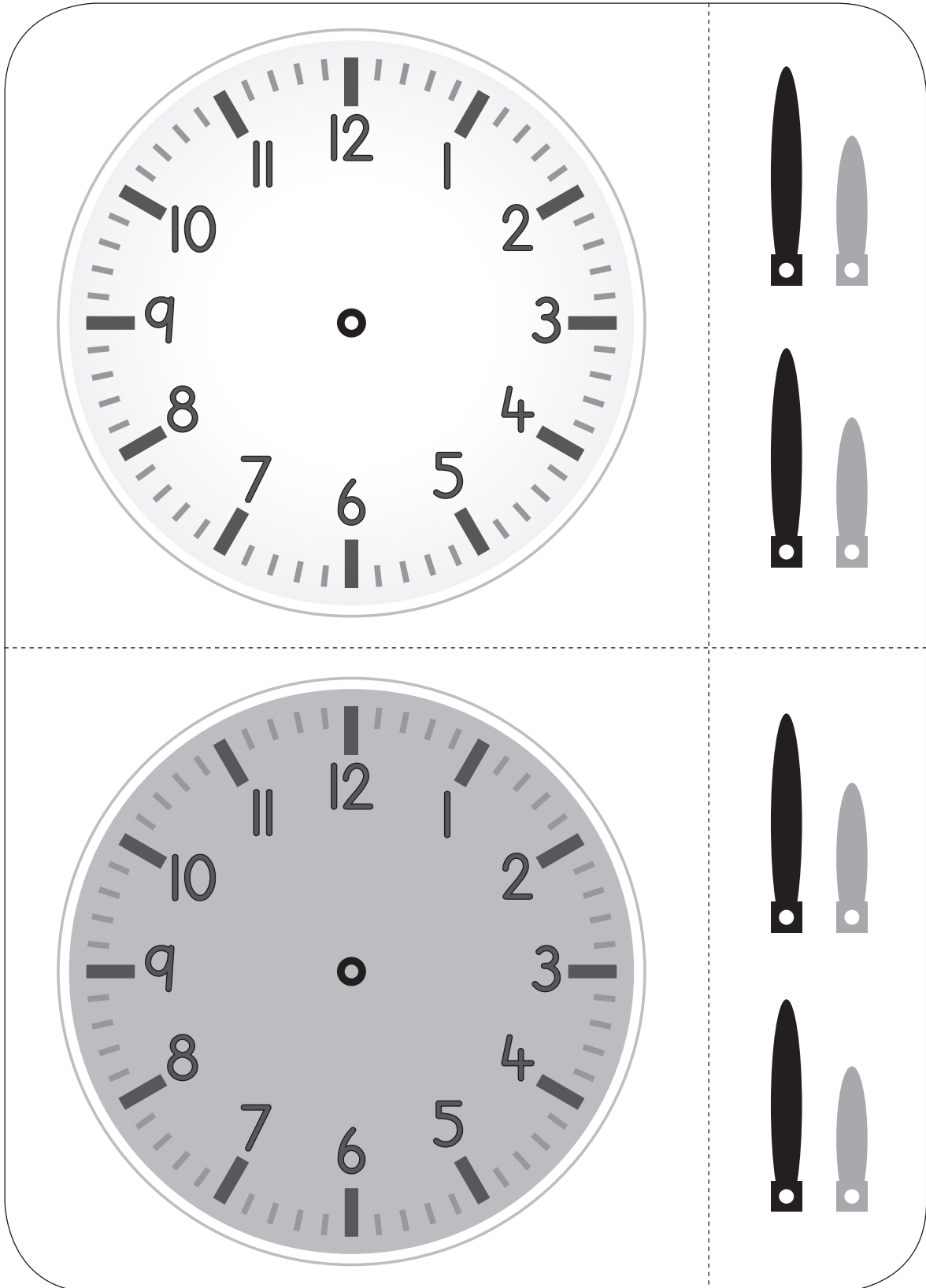
## 5 Shape cut outs (lesson 32 and other)

Zwigeriwa zwa zwivhumbeo ( ngudo ya 32 na inwe)



6 Analogue clock (lesson 46 and 48)

Watshi/kiloko ya analogo (ngudo ya 46 na ya 48)



7 Months of the year vocabulary cards (lesson 47)

January

February

March

April

May

June

July

August

September

October



November

December

8 Garaṭa dza divhamaipfi a minwedzi ya riwaha  
(ngudo ya 47)

Phando

Luhuhi

Thafamuhwe

Lambamai

Shundunthule

Fulwii

Fulwana

Ṫhangule

Khubvumedzi

Tshimedzi

Lara a

Nyendavhusiku

9 Days of the week vocabulary cards (lesson 47)

Monday

Tuesday



Wednesday

Thursday

Friday

Saturday

Sunday

10 Garaṭa dza divhamaipfi ya maḍuvha a vhege  
(ngudo ya 47)

Musumbuluwo

Lavhuvhili

Lavhuraru

Lavhuna

Lavhutanu

Mugivhela

Swondaha

## 2 Written assessments

### Written Assessment Lesson 6

### Ulinga ha u n'wala Ngudo ya 6

1 Complete the table.

Fhedzisani thebuḽu iyi.

(13)

	Groups Zwigwada	Multiplication Muandiso	Repeated Addition Ndovhololo ya muḽanganyo
a	4 groups of 5 Zwigwada zwa 4 zwa 5	$4 \times 5 = 20$	
b	___ groups of ___ Zwigwada zwa ___ zwa ___	$9 \times 2 = \underline{\quad}$	
c	7 groups of 3 Zwigwada zwa 7 zwa 3	$7 \times 3 = \underline{\quad}$	
d	___ groups of ___ Zwigwada zwa ___ zwa ___	$5 \times 4 = \underline{\quad}$	
e	10 groups of 3 Zwigwada zwa 10 zwa 3	$10 \times 3 = \underline{\quad}$	



2 Draw a diagram to calculate the answer.

Olani nyolo ya u rekanya phindulo.  $7 \times 4 =$  \_\_\_\_\_

(2)

## Written Assessment Lesson 13

## Ulinga ha u n'wala Ngudo ya 13

Complete the table.

Fhedzisani thebuḽu iyi.

(15)

	Multiplication Muandiso	Repeated Addition Ndovhololo ya muṭanganyo	Answer Phindulo
a	$4 \times 5$	$5 + 5 + 5 + 5$	
b	$3 \times 2$		
c		$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	
d	$6 \times 5$		
e		$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2$	
f	$7 \times 5$		
g		$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2$	
h	$5 \times 2$		

## Written Assessment Lesson 19

## U linga ha u n'wala Ngudo ya 19

I Complete the table.

Fhedzisani thebulu iyi.

(5 × 2=10)

		Number sentence with answer Fhungombalo <u>l</u> i re na phindulo
a	7 groups of 2 Zwigwada zwa 7 zwa 2	
b	5 groups of 3 Zwigwada zwa 5 zwa 3	
c	6 groups of 5 Zwigwada zwa 6 zwa 5	
d	9 groups of 4 Zwigwada zwa 9 zwa 4	
e	10 groups of 3 Zwigwada zwa 10 zwa 3	

2 Complete the table.

Fhedzisani thebulu iyi.

(5)

	Repeated addition Ndovhololo ya mu <u>l</u> anganyo	Number sentence with answer Fhungombalo <u>l</u> i re na phindulo
a	$4 + 4 + 4 + 4 + 4 + 4 =$	
b	$3 + 3 + 3 + 3 =$	
c	$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 =$	
d	$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 =$	
e	$5 + 5 + 5 + 5 + 5 + 5 + 5 =$	

## Written Assessment Lesson 26

## U linga ha u n'wala Ngudo ya 26

1 Complete the table.

Fhedzisani thebuḽu iyi.

(8)

		Answer Phindulo			Answer Phindulo
1	$7 \times 5 =$		5	$5 \times 5 =$	
2	$9 \times 3 =$		6	$8 \times 2 =$	
3	$9 \times 4 =$		7	$9 \times 5 =$	
4	$6 \times 2 =$		8	$7 \times 4 =$	

2 Complete the table.

Fhedzisani thebuḽu iyi.

(4)

		Answer is the same as: Phindulo i fana na:
1	$5 \times 3 = 15$	$3 \times 5 = 15$
2	$4 \times 2 = 8$	
3	$3 \times 5 = 15$	
4	$5 \times 4 = 20$	
5	$2 \times 5 = 10$	

- 3 There are 4 groups. Each group has 5 children in it. How many children are there altogether?

Hu na zwigwada zwa 4. Tshigwada tshinwe na tshinwe tshi na vhana vha 5.  
Hu na vhana vhangana vho ṭangana vho ṭhe?

\_\_\_\_\_

(3)

# Written Assessment Lesson 31

## U linga ha u n'wala Ngudo ya 31

1 What fraction of the rectangle is shaded?

Rekhithiengele yo swifhadzwaho i vhumba furakhisheni-de?

(1)



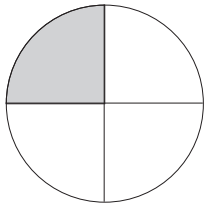
the whole yothe	one half hafu nthihi	one quarter kota nthihi	one eighth tshamalo
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2 What fraction of the circle is shaded? Write your answer as a fraction number.

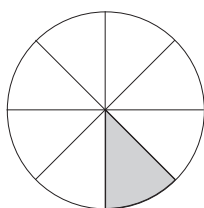
Ndi furakhisheni ifhio ya tshitendeledzi ye ya swifhadzwa. N'walani phindulo sa nomboro ya furakhisheni.

(3)

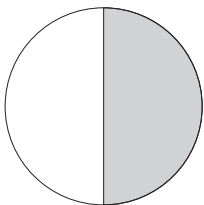
a



b



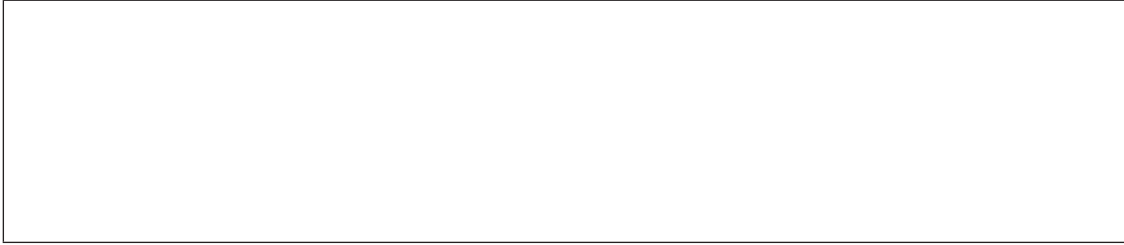
c



3 Divide the rectangle into quarters.

Fhandulani rekhithiengele i bve dzikota.

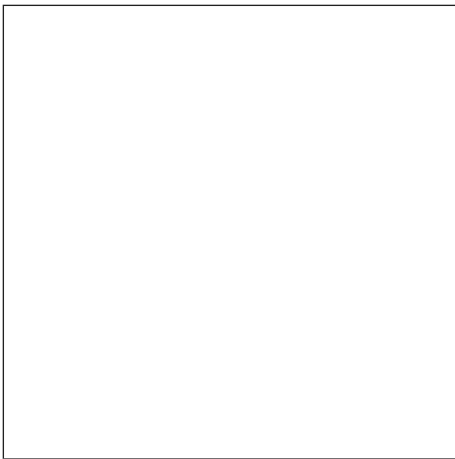
(2)



4 Divide the square in half.

Fhandulani tshikwea tshi bve dzihafu.

(2)



5 Divide the rectangle into eighths.

Fhandulani rekhithiengele i bve zwamalo.

(2)





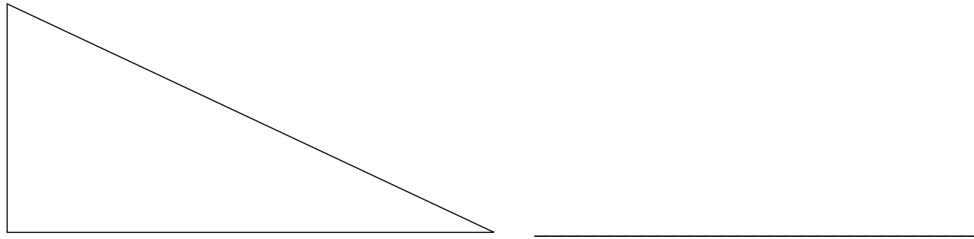
## Written Assessment Lesson 39

### U linga ha u n'wala Ngudo ya 39

1 Name this shape.

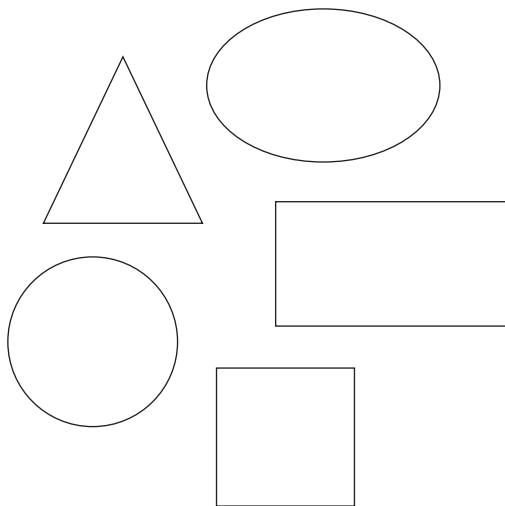
Bulani dzina la tshivhumbeo itshi.

(1)



2 Look at the picture below.

Lavhelesani tshifanyiso tshi re afho fhasi.



a Put a tick on the shapes with straight sides.

Itani thikhi kha zwivhumbeo zwi re na vhurumbutswititi.

(3)

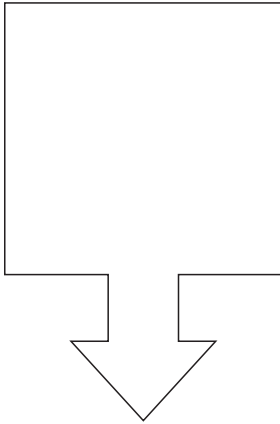
b Put a cross on the shapes with shapes have round sides.

Itani tshifhambano kha zwivhumbeo zwi re na vhurumbu ha tshipulumbu.

(2)

3 Draw the line of symmetry in the drawing.

Talani mutaladzi/mutalo wa ndinganahuvhili nga ngomu ha nyolo. (1)

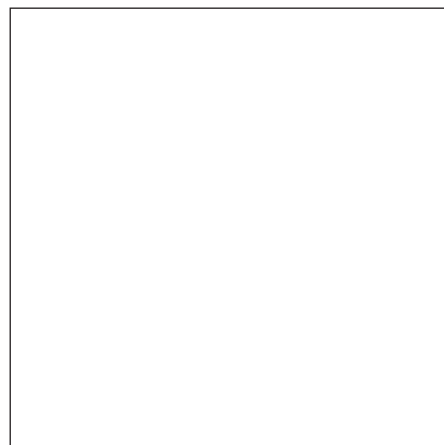
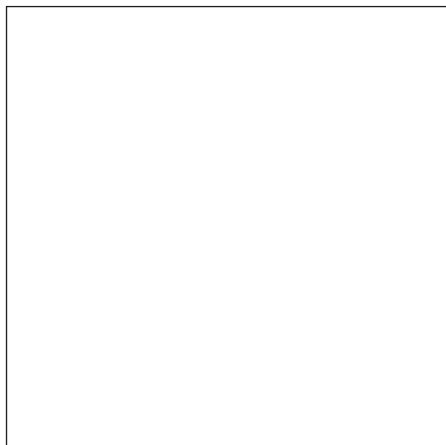


4 Draw one shape in each block.

Olani tshivhumbeo tshithihi zwibu lokoni izwi. (2)

a A shape with round sides  
Tshivhumbeo tshi re na  
vhurumbu ha zwipulumbu.

b A shape with straight sides  
Tshivhumbeo tshi re na  
vhurumbutswititi.



5 Draw two circles of different sizes.

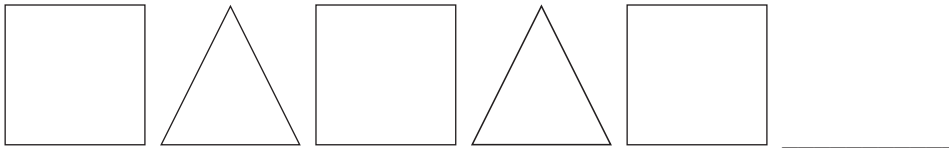
Olani zwitendeledzi zwa saizi dzo fhambanaho. (1)

## Written Assessment Lesson 44

### U linga ha u n'wala Ngudo ya 44

- 1 Draw the next two shapes in this pattern:

Olani zwivhumbeo zwivhili zwi no tevhela kha phetheni iyi: (2)



- 2 Draw a pattern using one triangle and two squares. Repeat the pattern two times.

Olani patheni ni tshi shumisa thiraiengele na zwickwea. Dovhololani phetheni kavhili. (4)



- 3 Draw the first three steps of a pattern using circles. The number of circles must increase each time.

Olani maga mararu a u thoma a phetheni ni tshi shumisa zwitendeledzi. Tshivhalo tsha zwitendeledzi tshi tea u engagedzea tshifhinga tshoꝑhe. (4)

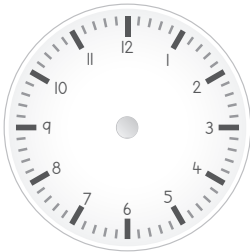


## Written Assessment Lesson 49

### Ulinga ha u n'wala Ngudo ya 49

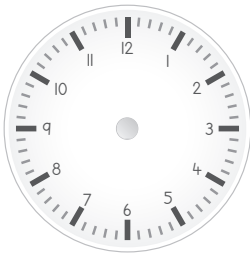
- 1 Draw the long hand and the short hand on this analogue clock to show 5 o'clock.

Olani lunanga lulapfu na lunanga lupfufhi kha watshi/kioko iyi ya analogo ni tshi sumbedza awara ya 5. (2)



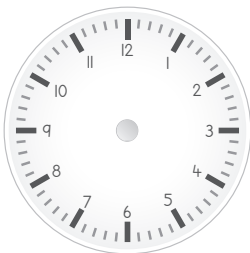
- 2 Draw the hands on this analogue clock to show 9 o'clock.

Olani mananga kha watshi/kioko iyi ya analogo ni tshi sumbedza awara ya 9. (2)



- 3 Draw the arms on this analogue clock to show quarter past six.

Olani mananga kha watshi/kioko iyi ya analogo ni tshi sumbedza kotara u bva kha awara ya vhurathi. (2)



4 What is the time shown on the clock below?

Ndi tshifhinga-ge tshe tsha sumbedzwa kha watshi/ki\oko iyi? (2)



\_\_\_\_\_

5 How many hours are there between 9 o'clock and 2 o'clock?

Hu na awara nngana vhukati ha awara ya 9 na awara ya 2?

\_\_\_\_\_

(2)

