

**MATHEMATICS**

**Grade 3**

**English/  
Tshivenda**

**Learner**

**Activity**

**Book**

**2020 TERM 2**



# Introduction

This resource pack has fifty numbered daily activities for classwork and homework. The activities correspond to the activities in the lesson plans. Answers to the activities can be written in this book.

These resources are bilingual. We hope that presenting the activities in two languages will help learners to learn the maths words in both their home language and in English. This will equip them for lifelong learning of maths.

If learners work systematically through these maths activities, they will cover the whole curriculum. Hopefully these activities will be a fun way to help them acquire this maths knowledge.

# Marangaphanda

Phekhe iyi ya zwiko i na nyito dza fuṭhanu dza ḡuvha na ḡuvha dzo nomboriwaho, dzi dza mushumo wa kiḡasini na tshuṅwahaya. Nyito idzi dzi yelana na nyito dzi re kha pulane dza ngudo. Ngudo dza ḡuvha ḡinwe na ḡinwe dzi tea u tevhelwa nga mushumo wa kiḡasini ha kona u tevhela tshuṅwahaya. Mbudziso dza nyito dzi nga fhindulelwa buguni iyi.

Zwiko izwi zwi kha nyambo mbili. Ri na fulufhelo ḡa uri u shuma nga nyambo mbili zwi ḡo thusa vhagudi uri vha gude maipfi a mbalo nga luambo lwavho lwa hayani na nga English (Luisimane). Hezwi zwi ḡo vha pfundisela (lugisela) u dzhena kha u guda mbalo ha vhutshilo hoṭhe – ha tsiavhafu.

Arali vhagudi vha nga shuma mishumo iyi i tshi ṭandulukana (nga sisiṭeme), vha ḡo kona u khunyeledza kharikhuḡamu yoṭhe. Ri na fulufhelo ḡa uri, musi vhagudi vha tshi khou ita nyito idzi, vha ḡo vha vha tshi khou guda mbalo hu na u ḡiphiṅa.



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## Term 2 Lesson 1

## Themo ya 2 Ngudo ya 1

Multiplication tables up to 5

Thebuḽu dza muandiso u swika kha 5

## CLASSWORK MUSHUMO WA KILASINI

- 1 Learners arrange the multiplication cards in order for the following times tables:

Vhagudi vha vhekanya garaṭa dza/magaraṭa a muandiso nga ngona u itela thebuḽu dza muandiso dzi tevhelaho:

$a \times 1$        $b \times 2$        $c \times 3$        $d \times 4$        $e \times 5$

- 2 Play the 1 to 5 multiplication card game. Your teacher will explain the rules.

Tambani mutambo wa magaraṭa a muandiso. Mudededzi waṅu vha ḽo ni ṭalutshedza milayo ya hone.

## HOMEWORK TSHUṂWAHAYA

Complete the table:

Fhedzisani/ḽadzani thebuḽu:

	Multiplication Muandiso	Repeated addition Ndovhololo ya muṭanganyo	Answer Phindulo
1	$4 \times 3$	$3 + 3 + 3 + 3$	
2	$5 \times 4$		
3		$2 + 2 + 2 + 2$	
4	$5 \times 3$		

# Term 2 Lesson 2

## Themo ya 2 Ngudo ya 2

Multiplication using array diagrams

Muandiso ri tshi shumisa nyolo dza mutevhe/mbekanywa

### CLASSWORK MUSHUMO WA KILASINI

- 1 Learners arrange the multiplication cards in order for the following times tables:

Vhagudi vha vhekanya garaṭa dza/magaraṭa a muandiso nga ngona u itela thebuḽu dza muandiso dzi tevhelaho:

**a**  $\times 1$       **b**  $\times 2$       **c**  $\times 3$       **d**  $\times 4$       **e**  $\times 5$

- 2 Play the 1 to 5 multiplication card game. Your teacher will explain the rules.

Tambani mutambo wa magaraṭa a muandiso. Mudededzi waṅu vha ḽo ni ṭalutshedza milayo ya hone.

### HOMEWORK TSHUṂWAHAYA

Complete the table:

Fhedzisani/ḽadzani thebuḽu:

	Multiplication Muandiso	Repeated addition Ndovhololo ya mutḽanganyo	Answer Phindulo
1	$6 \times 4$	$4 + 4 + 4 + 4 + 4 + 4$	
2		$6 + 6 + 6 + 6$	
3		$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	
4	$5 \times 9$		



## Term 2 Lesson 3

## Themo ya 2 Ngudo ya 3

The 6 times table

Thebuḽu ya u andisa nga 6

## CLASSWORK MUSHUMO WA KILASINI

Play the multiplication card game. Your teacher will explain the rules.

Tambani mutambo wa magaraḽa a muandiso. Mudededzi waḽu vha ḽo ni ḽalutshedza milayo ya hone.

## HOMEWORK TSHUḽWAHAYA

Complete the table:

Fhedzisani/ḽadzani thebuḽu:

	Multiplication Muandiso	Repeated addition Ndovhololo ya muḽanganyo	Answer Phindulo
1	$3 \times 6$	$6 + 6 + 6$	
2	$4 \times 6$		
3		$6 + 6 + 6 + 6 + 6$	
4	$6 \times 6$		
5		$6 + 6 + 6 + 6 + 6 + 6 + 6$	

## Term 2 Lesson 4

## Themo ya 2 Ngudo ya 4

The 6 times table

Thebuḽu ya u andisa nga 6

## CLASSWORK MUSHUMO WA KILASINI

Play the multiplication card game. Your teacher will explain the rules.

Tambani mutambo wa magaraḽa a muandiso. Mudededzi waḽu vha ḽo ni ḽalutshedza milayo ya hone.

## HOMEWORK TSHUḽWAHAYA

Complete the table:

Fhedzisani/ḽadzani thebuḽu:

	Multiplication Muandiso	Repeated addition Ndovhololo ya mutanganyo	Answer Phindulo
1	$9 \times 6$	$6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6$	
2	$8 \times 6$		
3		$6 + 6$	
4	$3 \times 6$		
5		$6 + 6 + 6 + 6$	

## Term 2 Lesson 5

## Themo ya 2 Ngudo ya 5

## Consolidation

## U t̄anganya magudiswa

1 Complete the table:

Fhedzisani/dadzani thebulu:

	Multiplication Muandiso	Repeated addition Ndovhololo ya mu <u>t̄</u> anganyo	Answer Phindulo
a	$2 \times 5$	$5 + 5$	
b	$3 \times 5$		
c		$5 + 5 + 5 + 5$	
d	$5 \times 5$		
e		$5 + 5 + 5 + 5 + 5 + 5$	
f	$7 \times 5$		
g		$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	40
h		$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	45

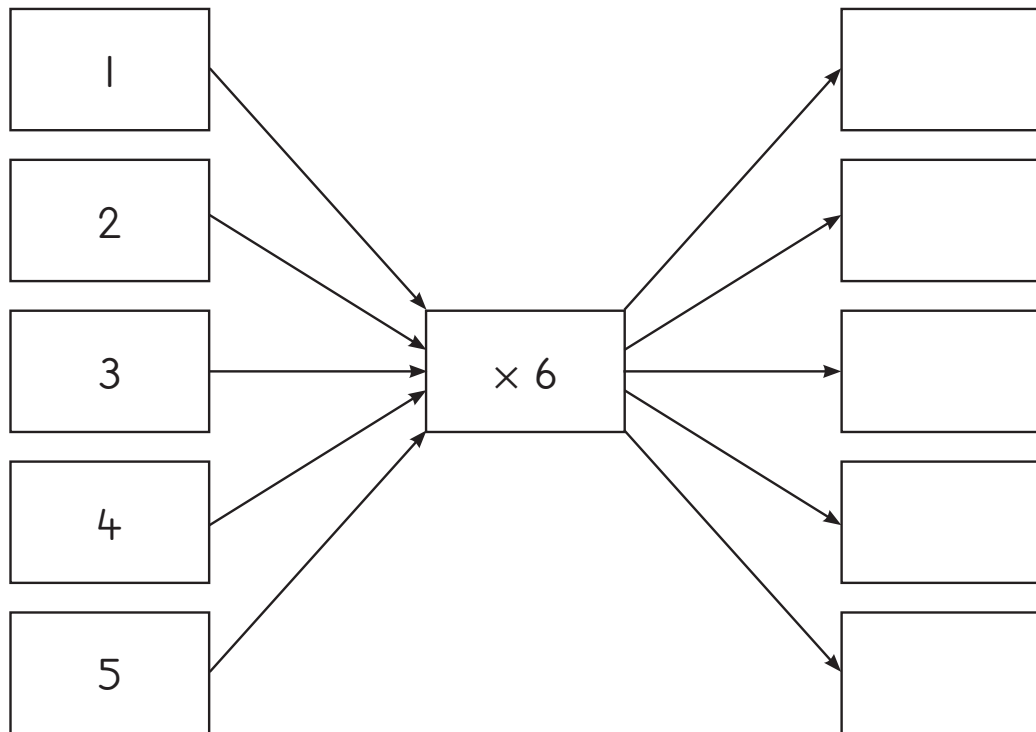
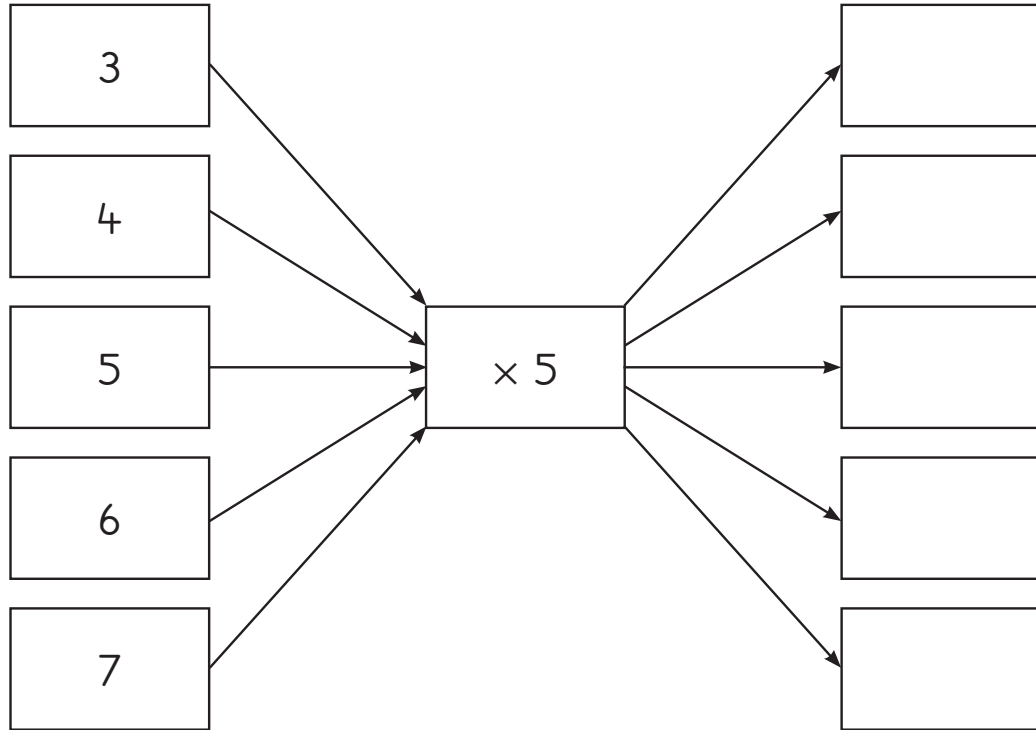
2 Complete the table:

Fhedzisani/dadzani thebulu:

	Multiplication Muandiso	Repeated addition Ndovhololo ya mu <u>t</u> anganyo	Answer Phindulo
a	$2 \times 6$	$6 + 6$	
b	$3 \times 6$		
c		$6 + 6 + 6 + 6$	
d	$5 \times 6$		
e		$6 + 6 + 6 + 6 + 6 + 6$	
f	$7 \times 6$		
g		$6 + 6 + 6 + 6 + 6 + 6 + 6 + 6$	48
h		$6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6$	54

3 Complete the flow diagrams:

Fhedzisani nyolo dza muelo:



4 Play the multiplication card game. Your teacher will explain the rules.

Tambani mutambo wa magaraṭa a muandiso. Mudededzi waṅu vha ḡo ni ṭalutshedza milayo ya hone.

# Term 2 Lesson 6

## Themo ya 2 Ngudo ya 6

The 7 times table

Thebuḽu ya u andisa nga 7

### CLASSWORK MUSHUMO WA KILASINI

Play the multiplication card game. Your teacher will explain the rules.

Tambani mutambo wa magaraḽa a muandiso. Mudededzi waḽu vha ḽo ni ḽalutshedza milayo ya hone.

### HOMEWORK TSHUḽWAHAYA

Complete the table:

Fhedzisani/ḽadzani thebuḽu:

	Multiplication Muandiso	Repeated addition Ndovhololo ya muḽanganyo	Answer Phindulo
1	$2 \times 7$	$7 + 7$	
2	$4 \times 7$		
3		$7 + 7 + 7 + 7 + 7$	
4	$8 \times 7$		
5		$7 + 7 + 7 + 7 + 7 + 7 + 7$	

# Term 2 Lesson 7

## Themo ya 2 Ngudo ya 7

The 7 times table

Thebulu ya u andisa nga 7

### CLASSWORK MUSHUMO WA KILASINI

Play the multiplication card game. Your teacher will explain the rules.

Tambani mutambo wa magarata a muandiso. Mudededzi wanu vha go ni talutshedza milayo ya hone.

### HOMEWORK TSHUNWAHAYA

Complete the table:

Fhedzisani/gadzani thebulu:

	Multiplication Muandiso	Repeated addition Ndovhololo ya mu <u>t</u> anganyo	Answer Phindulo
1	$5 \times 7$	$7 + 7 + 7 + 7 + 7$	
2	$9 \times 7$		
3		$7 + 7 + 7 + 7 + 7 + 7$	
4	$2 \times 7$		
5		$7 + 7 + 7$	

Term 2 Lesson 8  
Themo ya 2 Ngudo ya 8  
Assessment  
Ulinga



## Term 2 Lesson 9

## Themo ya 2 Ngudo ya 9

The 8 times table

Thebuḽu ya u andisa nga 8

## CLASSWORK MUSHUMO WA KILASINI

Play the multiplication card game. Your teacher will explain the rules.

Tambani mutambo wa magaraṭa a muandiso. Mudededzi waṅu vha ḡo ni ṭalutshedza milayo ya hone.

## HOMEWORK TSHUṆWAHAYA

Complete the table:

Fhedzisani/ḡadzani thebuḽu:

	Multiplication Muandiso	Repeated addition Ndovhololo ya muṭanganyo	Answer Phindulo
1	$4 \times 8$	$8 + 8 + 8 + 8$	
2	$6 \times 8$		
3		$8 + 8 + 8$	
4	$9 \times 8$		
5		$8 + 8 + 8 + 8 + 8$	

# Term 2 Lesson 10

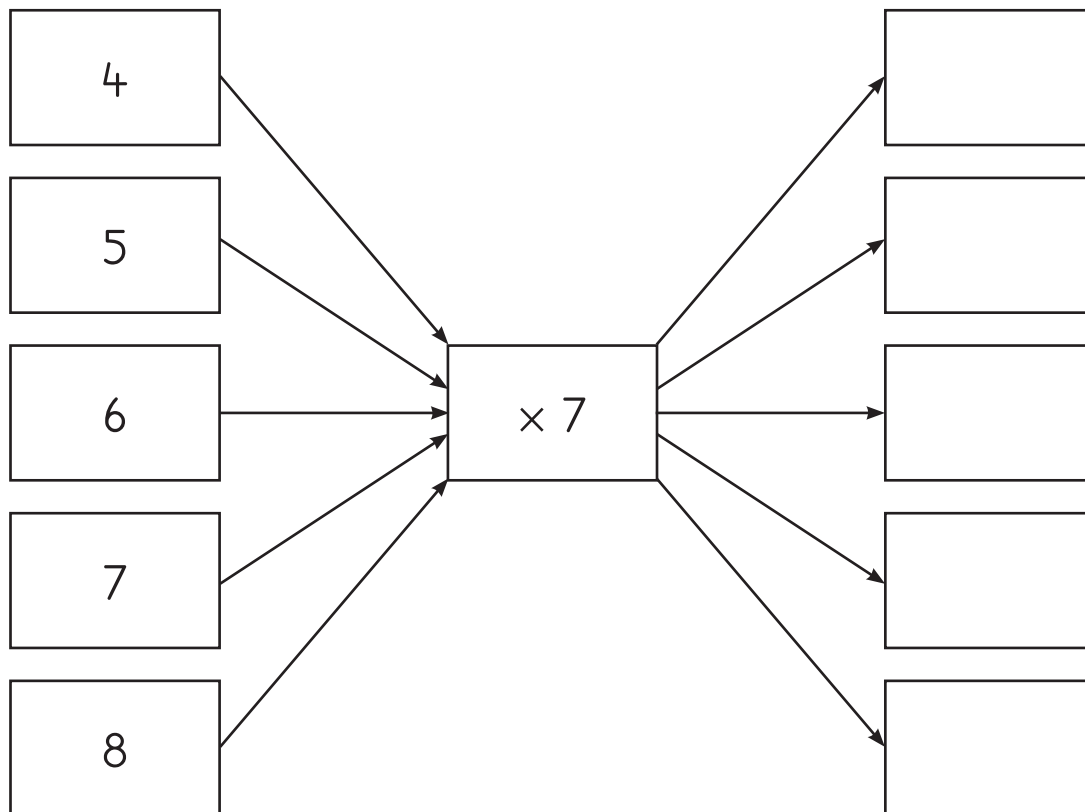
## Themo ya 2 Ngudo ya 10

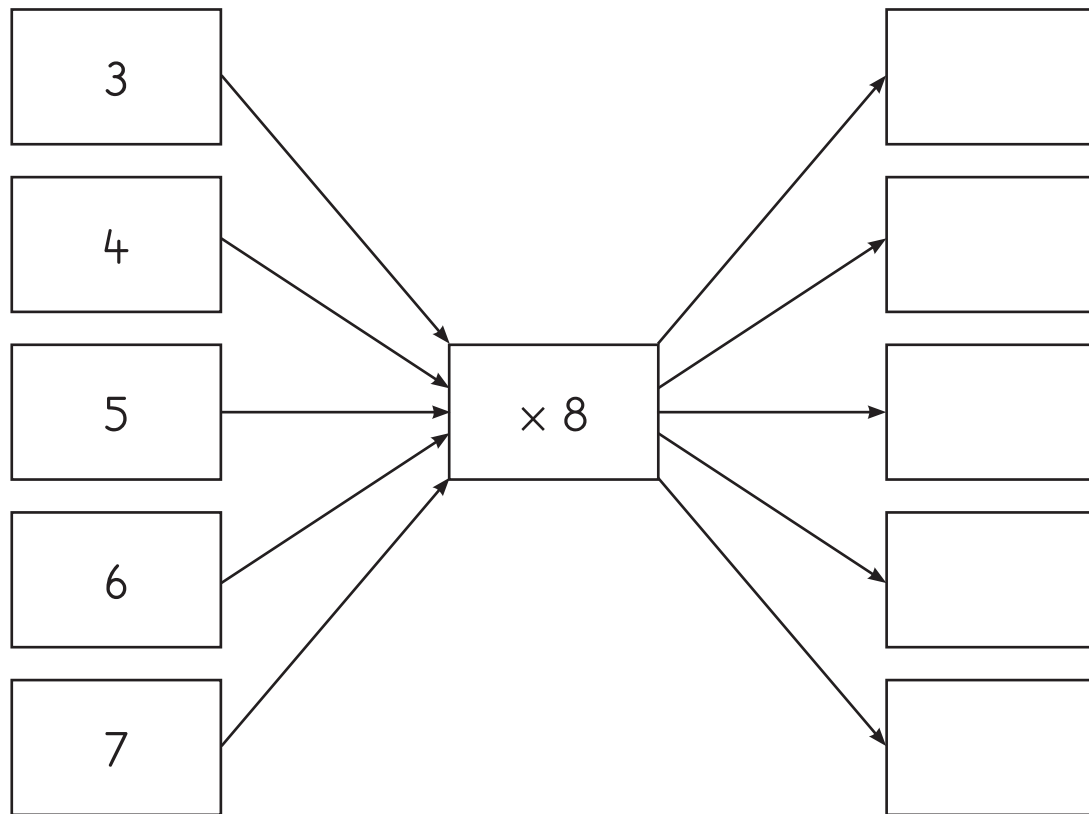
Consolidation

Utanganya magudiswa

CLASSWORK MUSHUMO WA KILASINI

- 1 Complete the flow diagrams:  
Fhedzisani nyolo dza muelo:





2 Complete the tables:

Fhedzisani/dadzani thebuu:

a

	4		6	7	8
$\times 7$		35			

b

	3	4	5		7
$\times 8$				48	

3 Play the multiplication card game in pairs. Your teacher will explain the rules.

Tambani mutambo wa magaraṭa a muandiso. Mudededzi waṅu vha ḡo ni ṭalutshedza milayo ya hone.

# Term 2 Lesson 11

## Themo ya 2 Ngudo ya 11

The 9 times table

Thebuḽu ya u andisa nga 9

### CLASSWORK MUSHUMO WA KILASINI

Play the multiplication card game. Your teacher will explain the rules.

Tambani mutambo wa magaraḽa a muandiso. Mudededzi waḽu vha ḽo ni ḽalutshedza milayo ya hone.

### HOMEWORK TSHUḽWAHAYA

Complete the table:

Fhedzisani/ḽadzani thebuḽu:

	Multiplication Muandiso	Repeated addition Ndovhololo ya muḽanganyo	Answer Phindulo
1	$5 \times 9$	$9 + 9 + 9 + 9 + 9$	
2	$3 \times 9$		
3		$9 + 9 + 9 + 9 + 9 + 9 + 9$	
4	$2 \times 9$		
5		$9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9$	

## Term 2 Lesson 12

## Themo ya 2 Ngudo ya 12

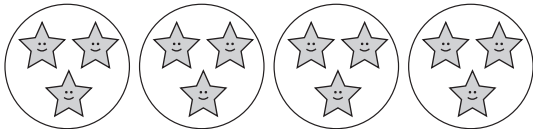
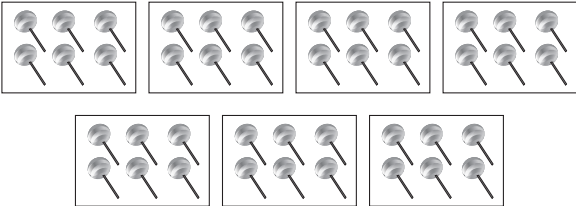

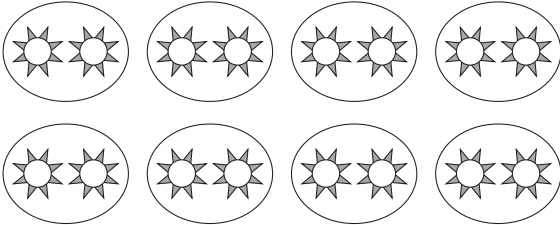
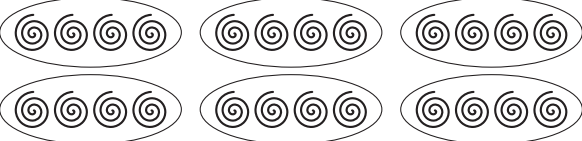
The 8 and 9 times tables

Thebuḽu dza u andisa nga 8 na 9

## CLASSWORK MUSHUMO WA KILASINI

1 Write the number sentences with answers:

Ñwalani mafhungombalo a re na phindulo:

		Number sentence Fhungombalo
a		
b		
c		
d		
e		

2 Write the number sentences with answers:

Nwalani mafhungombalo a re na phindulo:

		Number sentence Fhungombalo																																																																								
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8	●	●	●	●	●	●	●																																																																			

3 Write the number sentences with answers:

Nwalani mafhungombalo a re na phindulo:

	Repeated addition Ndovhololo ya muṭanganyo	Number sentence Fhungombalo
a	$4 + 4 + 4 + 4 =$	
b	$6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 =$	
c	$8 + 8 + 8 + 8 + 8 =$	
d	$3 + 3 + 3 + 3 + 3 + 3 + 3 =$	
e	$5 + 5 + 5 + 5 + 5 =$	

#### HOMEWORK TSHUŊWAHAYA

Write the number sentences with answers:

Nwalani mafhungombalo a re na phindulo:

	Repeated addition Ndovhololo ya muṭanganyo	Number sentence Fhungombalo
a	$9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 =$	
b	$2 + 2 + 2 + 2 + 2 + 2 + 2 =$	
c	$7 + 7 + 7 + 7 + 7 + 7 =$	
d	$6 + 6 =$	
e	$3 + 3 + 3 + 3 =$	

## Term 2 Lesson 13

## Themo ya 2 Ngudo ya 13

The 1 times table

Thebulu ya u andisa nga 1

## CLASSWORK MUSHUMO WA KILASINI

1 Write the number sentences with answers:

Ñwalani mathungombalo a re na phindulo:

		Number sentence Fhungombalo
a	9 groups of 1 Zwigwada zwa 9 zwa 1	
b	7 groups of 4 Zwigwada zwa 7 zwa 4	
c	5 groups of 1 Zwigwada zwa 5 zwa 1	
d	6 groups of 3 Zwigwada zwa 6 zwa 3	
e	1 group of 1 Tshigwada tsha 1 tsha 1	



2 Calculate:

Rekanyani:

a  $4 \times 1 =$  \_\_\_\_\_

b  $2 \times 8 =$  \_\_\_\_\_

c  $8 \times 1 =$  \_\_\_\_\_

d  $3 \times 7 =$  \_\_\_\_\_

e  $4 \times 6 =$  \_\_\_\_\_

f  $5 \times 8 =$  \_\_\_\_\_

g  $6 \times 7 =$  \_\_\_\_\_

h  $8 \times 8 =$  \_\_\_\_\_

3 Write the number sentences with answers:

Nwalani mafhungombalo a re na phindulo:

	Repeated addition Ndovhololo ya muḵanganyo	Number sentence Fhungombalo
a	$4 + 4 + 4 + 4 =$	
b	$6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 =$	
c	$8 + 8 + 8 + 8 + 8 =$	
d	$3 + 3 + 3 + 3 + 3 + 3 + 3 =$	
e	$5 + 5 + 5 + 5 + 5 =$	

## HOMEWORK TSHUŊWAHAYA

Write the number sentences with answers:

Ŋwalani mafhungombalo a re na phindulo:

		Number sentence Fhungombalo
a	3 groups of 1 Zwigwada zwa 3 zwa 1	
b	4 groups of 6 Zwigwada zwa 4 zwa 6	
c	8 groups of 1 Zwigwada zwa 8 zwa 1	
d	2 groups of 7 Zwigwada zwa 2 zwa 7	
e	5 groups of 1 Zwigwada zwa 5 zwa 1	

# Term 2 Lesson 14

## Themo ya 2 Ngudo ya 14

Doubling and repeated addition

U inga kavhili na ndovhololo ya mutanganyo/mutanganyiso

### CLASSWORK MUSHUMO WA KILASINI

1 Calculate by doubling:

Rekanyani nga u inga kavhili:

	Multiple Nyandiso	Double Nyingakavhili	Answer Phindulo
a	$2 \times 50$	$50 + 50 =$	100
b	$2 \times 15$		
c	$2 \times 35$		
d	$2 \times 10$		
e	$2 \times 45$		
f	$2 \times 25$		
g	$2 \times 30$		
h	$2 \times 40$		

2 Calculate by doubling:

Rekanyani nga u inga kavhili:

	Multiple Nyandiso	Double Nyingakavhili	Add Tanganyani	Answer Phindulo
a	$2 \times 51$	$50 + 1 + 50 + 1$	$100 + 2$	102
b	$2 \times 46$			
c	$2 \times 31$			
d	$2 \times 16$			
e	$2 \times 17$			
f	$2 \times 26$			
g	$2 \times 41$			
h	$2 \times 36$			

3 Bongive had 20 balloons.  
Her mom gave her 21 balloons.  
How many balloons did she have altogether?

Bongive o vha e na mabaḽuni a 20.  
Mme awe vha mu ṅea mabaḽuni a 21.  
O vha e na mabaḽuni mangana oṭhe o ṭangana?

- 4 Nomsa had a bunch of 35 flowers.  
She was given another bunch of 36 flowers.  
How many flowers did she have altogether?
- Nomsa o vha e na khaṭha ya maluvha a 35.  
O neiwa inwe khaṭha ya maluvha a 36.  
O vha e na maluvha mangana othe o tangana?

## HOMEWORK TSHUŊWAHAYA

Nelisiwe has 41 pieces of string.  
She cuts another 41 pieces of string.  
How many pieces of string does she have now?

Nelisiwe una zwipiḁa zwa lutambo zwa 41.  
O gera zwiḁwe zwipiḁa zwa lutambo zwa 41.  
U na zwipiḁa zwa lutambo zwingana zwino?

# Term 2 Lesson 15

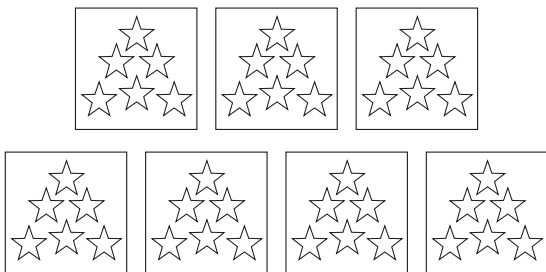
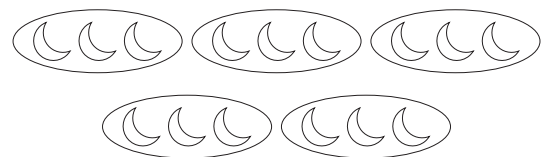
## Themo ya 2 Ngudo ya 15

### Consolidation

### U ṭanganya magudiswa

I Write the number sentences with answers:

Nwalani mafhungombalo a re na phindulo:

		Number sentence Fhungombalo																																													
a.																																															
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4	●	●	●	●	●	●	●	●																																							

2 Write the number sentences with answers:

Ñwalani mafhungombalo a re na phindulo:

	Repeated addition Ndovhololo ya mutanganyo	Number sentence Fhungombalo
a	$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 =$	
b	$5 + 5 + 5 + 5 =$	
c	$7 + 7 + 7 + 7 + 7 + 7 + 7 =$	
d	$4 + 4 + 4 + 4 + 4 =$	
e	$6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 =$	

3 Write the number sentences with answers:

Ñwalani mafhungombalo a re na phindulo:

		Number sentence Fhungombalo
a	3 groups of 4 Zwigwada zwa 3 zwa 4	
b	4 groups of 8 Zwigwada zwa 4 zwa 8	
c	9 groups of 9 Zwigwada zwa 9 zwa 9	
d	2 groups of 5 Zwigwada zwa 2 zwa 5	
e	6 groups of 7 Zwigwada zwa 6 zwa 7	

4 Calculate by doubling:

Rekanyani nga u inga kavhili:

	Multiple Nyandiso	Double Nyingakavhili	Add Tanganyani	Answer Phindulo
a	$2 \times 16$	$15 + 1 + 15 + 1$	$30 + 2$	
b	$2 \times 41$			
c	$2 \times 26$			
d	$2 \times 52$			
e	$2 \times 38$			



# Term 2 Lesson 16

## Themo ya 2 Ngudo ya 16

Assessment  
Ulinga

# Term 2 Lesson 17

## Themo ya 2 Ngudo ya 17

Multiplication patterns  
Phetheni dza muandiso

### CLASSWORK MUSHUMO WA KILASINI

Play the multiplication card game. Your teacher will explain the rules.

Tambani mutambo wa magaraṭa a muandiso. Mudededzi waṅu vha ḡo ni ṭalutshedza milayo ya hone.

### HOMEWORK TSHUṆWAHAYA

1 Draw circles in an array to show the multiple:

Olani zwitendeledzi zwi re kha mutevhe u itela u sumbedza nyandiso:

	Multiple Nyandiso	Array Mutevhe		Multiple Nyandiso	Array Mutevhe
a	$4 \times 5$		b	$5 \times 4$	
c	$3 \times 6$		d	$6 \times 3$	

# Term 2 Lesson 18

## Themo ya 2 Ngudo ya 18

Patterns in multiplication tables

Phetheni kha thebuḷu dza muandiso

### CLASSWORK MUSHUMO WA KILASINI

Play the multiplication card game. Your teacher will explain the rules.


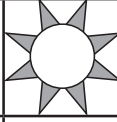

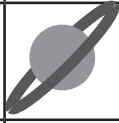

Tambani mutambo wa magaraṭa a muandiso. Mudededzi waṅu vha ḡo ni ṭalutshedza milayo ya hone.

### HOMEWORK TSHUṆWAHAYA

Write the number sentences for each of the covered numbers:

Ṇwalani mafhungombalo a nomboro inwe na inwe yo dzumbiwaho:

- a  \_\_\_\_\_
- b  \_\_\_\_\_
- c  \_\_\_\_\_
- d  \_\_\_\_\_
- e  \_\_\_\_\_

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

## Term 2 Lesson 19

## Themo ya 2 Ngudo ya 19

Multiply by 10

U andisa nga 10

## CLASSWORK MUSHUMO WA KILASINI

1 Complete the table:

Fhedzisani/dadzani thebulu:

		Repeated addition Ndovhololo ya mutanganyo	Number sentence Fhungombalo
a	5 groups of 2 Zwigwada zwa 5 zwa 2		
b	3 groups of 9 Zwigwada zwa 3 zwa 9		
c		$6 + 6 + 6 + 6 + 6 + 6$	
d	1 group of 10 Tshigwada tsha 1 tsha 10		
e	8 groups of 4 Zwigwada zwa 8 zwa 4	$4 + 4 + 4 + 4 + 4 + 4 + 4 + 4$	
f		$5 + 5 + 5 + 5$	

		Repeated addition Ndovhololo ya mutanganyo	Number sentence Fhungombalo
g		$10 + 10 + 10 + 10 + 10 + 10 + 10$	
h	5 groups of 7 Zwigwada zwa 5 zwa 7		

2 Solve the problems:

Tandululani thaidzo:

**a** I have 3 R10 bank notes. How much money do I have altogether?

Ndi na R10 dza 3 dza dzinoutu dza banngani. Ndi na tshelede nngafhanani yothe yo fhelela?

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = R30$$

**b** I have 7 R10 notes. How much money do I have altogether?

Ndi na R10 dza 7 dza dzinoutu dza banngani. Ndi na tshelede nngafhanani yothe yo fhelela?

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = R70$$

## HOMEWORK TSHUŊWAHAYA

Complete the table:

Fhedzisani/dadzani thebulu:

		Repeated addition Ndovhololo ya mutanganyo	Number sentence Fhungombalo
a	3 groups of 10 Zwigwada zwa 3 zwa 10	$10 + 10 + 10$	
b	4 groups of 7 Zwigwada zwa 4 zwa 7		$4 \times 7 = 28$
c		$6 + 6 + 6$	
d	10 groups of 4 Zwigwada zwa 10 zwa 4		
e		$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	

## Term 2 Lesson 20

## Themo ya 2 Ngudo ya 20

## Consolidation

## U t̄anganya magudiswa

1 Write the number sentences:

Nwalani mafhungombalo:

	Repeated addition Ndovhololo ya muṭanganyo	Number sentence Fhungombalo
a	6 groups of 8 Zwigwada zwa 6 zwa 8	
b	4 groups of 2 Zwigwada zwa 4 zwa 2	
c	$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	
d	2 groups of 7 Zwigwada zwa 2 zwa 7	
e	$3 + 3 + 3 + 3$	
f	$9 + 9 + 9$	
g	9 groups of 8 Zwigwada zwa 9 zwa 8	



	Repeated addition Ndovhololo ya mutanganyo	Number sentence Fhungombalo
h	10 groups of 6 Zwigwada zwa 10 zwa 6	
i	$4 + 4 + 4 + 4 + 4 + 4 + 4$	
j	$10 + 10 + 10 + 10 + 10$	
k	9 groups of 1 Zwigwada zwa 9 zwa 1	
l	8 groups of 2 Zwigwada zwa 8 zwa 2	
m	$7 + 7 + 7 + 7 + 7 + 7$	
n	$6 + 6 + 6 + 6 + 6 + 6 + 6$	
o	5 groups of 4 Zwigwada zwa 5 zwa 4	
p	7 groups of 9 Zwigwada zwa 7 zwa 9	

- 2 In pairs play 'SNAP' with the multiplication cards. Your teacher will explain the rules.

Nga vhavhilihavhili, tambani mutambo wa 'SNAP' nga magaraṭa a muandiso. Mudededzi waṅu vha ḡo ni ṭalutshedza milayo ya hone.

# Term 2 Lesson 21

## Themo ya 2 Ngudo ya 21

Assessment

Ulinga

# Term 2 Lesson 22

## Themo ya 2 Ngudo ya 22

Multiply by 0 and find the missing number

U andisa nga 0 na u wana nomboro yo tshelaho

### CLASSWORK MUSHUMO WA KILASINI

- 1 Use your multiplication table to find the missing numbers:

Shumisani thebuḽu yaḽu ya muandiso u wana nomboro dzi no khou tshela:

		Answer Phindulo			Answer Phindulo
a	$\square \times 3 = 18$		b	$5 \times \square = 35$	
c	$7 \times \square = 14$		d	$\square \times 6 = 18$	
e	$\square \times 9 = 36$		f	$4 \times \square = 32$	
g	$\square \times 4 = 20$		h	$3 \times \square = 27$	
i	$8 \times \square = 24$		j	$\square \times 6 = 42$	
k	$\square \times 5 = 15$		l	$\square \times 5 = 45$	
m	$2 \times \square = 18$		n	$8 \times \square = 64$	
o	$\square \times 7 = 28$		p	$2 \times \square = 12$	

2 Calculate:

Rekanyani:

a  $0 \times 5 =$  \_\_\_\_\_

b  $4 \times 10 =$  \_\_\_\_\_

c  $0 \times 3 =$  \_\_\_\_\_

d  $10 \times 6 =$  \_\_\_\_\_

e  $0 \times 10 =$  \_\_\_\_\_

f  $8 \times 10 =$  \_\_\_\_\_

HOMEWORK TSHUŊWAHAYA

Calculate:

Rekanyani:

a  $0 \times 6 =$  \_\_\_\_\_

b  $7 \times 10 =$  \_\_\_\_\_

c  $0 \times 2 =$  \_\_\_\_\_

d  $10 \times 5 =$  \_\_\_\_\_

e  $10 \times 0 =$  \_\_\_\_\_

f  $9 \times 10 =$  \_\_\_\_\_

## Term 2 Lesson 23

## Themo ya 2 Ngudo ya 23

More multiplication patterns

Phetheni dzinwe hafhu dza muandiso

## CLASSWORK MUSHUMO WA KILASINI

Use your multiplication table to find the missing numbers:

Shumisani thebuḽu yaḽu ya muandiso u wana nomboro dzi no khou tḽahela:

		Answer Phindulo			Answer Phindulo
a	$\square \times 4 = 28$		b	$5 \times \square = 40$	
c	$2 \times \square = 18$		d	$\square \times 6 = 36$	
e	$\square \times 7 = 49$		f	$2 \times \square = 10$	
g	$\square \times 8 = 48$		h	$7 \times \square = 21$	
i	$9 \times \square = 45$		j	$\square \times 2 = 12$	
k	$\square \times 3 = 12$		l	$\square \times 6 = 54$	
m	$6 \times \square = 18$		n	$4 \times \square = 16$	
o	$\square \times 9 = 72$		p	$8 \times \square = 32$	

HOMEWORK TSHUŊWAHAYA

<p>I have 3 bunches of flowers. In each bunch there are 3 pink flowers and 4 white flowers. How many flowers do I have altogether?</p>	<p>Ndi na khaṭha dza 3 dza maluvha. Kha khaṭha iṇwe na iṇwe hu na maluvha a pinki a 3 na matshena a 4. Hu na maluvha manga o ṭangana o ṭhe?</p>
<p>Draw a diagram. Olani nyolo.</p>	
<p>Write the number sentences. N̄walani mafhungombalo.</p>	
<p>Write the answer. N̄walani phindulo.</p>	

Term 2 Lesson 24

Themo ya 2 Ngudo ya 24

Assessment

Ulinga

## Term 2 Lesson 25

## Themo ya 2 Ngudo ya 25

## Consolidation

## U t̄anganya magudiswa

- 1 Use your multiplication table to find the missing numbers:

Shumisani thebuḽu yaḽu ya muandiso u wana nomboro dzi no khou t̄ahela:

		Answer Phindulo			Answer Phindulo
a	$\square \times 9 = 54$		b	$3 \times \square = 12$	
c	$\square \times 7 = 21$		d	$4 \times \square = 36$	

- 2 Draw an array diagram to show:

Olani nyolo ya mutevhe ni tshi sumbedza:

		Array Mutevhe
a	$6 \times 2$	



		Array Mutevhe
b	$2 \times 6$	
c	$7 \times 4$	
d	$4 \times 7$	

3 Solve the problem:

Tandululani thaidzo:

<p>I have 4 bags of shapes. In each bag there are 2 triangles and 5 rectangles. How many shapes do I have altogether?</p>	<p>Ndi na zwiputo zwa 4 zwa zwivhumbeo. Kha tshiputo tshinwe na tshinwe hu na thiraiengele dza 2 na rekhithengele dza 5. Ndi na zwivhumbeo zwingana zwo tangana zwothe?</p>
<p>Draw a diagram. Olani nyolo.</p>	
<p>Write the number sentences. Nwalani mafhungombalo.</p>	
<p>Write the answer. Nwalani phindulo.</p>	

# Term 2 Lesson 26

## Themo ya 2 Ngudo ya 26

Time

Tshifhinga

### CLASSWORK MUSHUMO WA KILASINI

1 Write these times as digital times:

Ñwalani zwifhinga zwi tevhelaho nga zwifhinga zwa didzhithaḽa:

a Half past seven.

Hafu u bva kha awara ya sumbe.

\_\_\_\_\_

b Quarter past seven.

Kotara u bva kha awara ya sumbe.

\_\_\_\_\_

c Quarter to 4.

Kotara u ya kha 4.

\_\_\_\_\_

d Quarter past four.

Kotara u bva kha awara ya vhuḽa.

\_\_\_\_\_

e Half past 5.

Kotara u bva kha 5.

\_\_\_\_\_

2 Write these times as analogue times:

Ñwalani zwifhinga izwi sa zwifhinga zwa anaḽogo:

a 05:30 \_\_\_\_\_

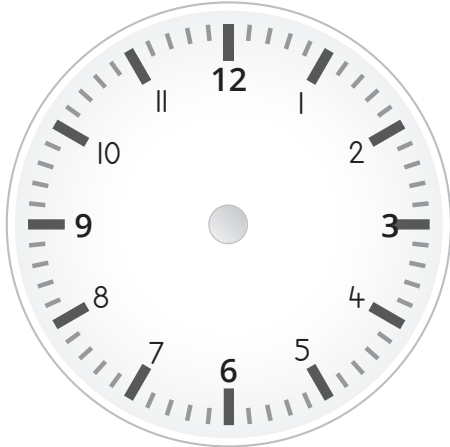
b 02:00 \_\_\_\_\_

c 12:00 \_\_\_\_\_

d 07:00 \_\_\_\_\_

3 Show quarter past two on the clock:

Sumbedzani kotara u bva kha awara ya vhuvhili kha ki\oko/watshi:



a Write the time below the clock.

Nwalani tshifhinga fhasi ha ki\oko.

b How many minutes is it before 3 o'clock?

Zwi \o dzhia miminete mingana u swika kha awara ya 3 \_\_\_\_\_

c Where is the hour hand pointing?

Lu\anga/lutanda lwa awara lwo sumba ngafhi? \_\_\_\_\_

d Where is the minute hand pointing?

Lu\anga/lutanda lwa miminete lwo sumba ngafhi? \_\_\_\_\_

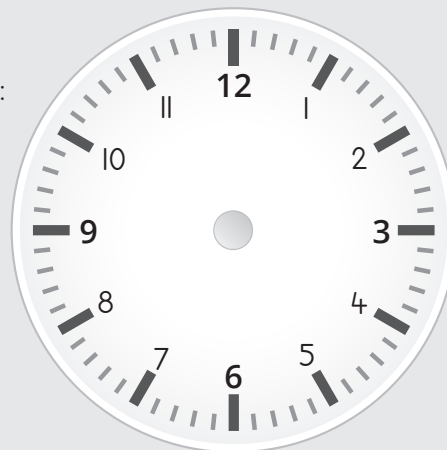
HOMEWORK TSHU\WAHAYA

1 Show on the clock faces below:

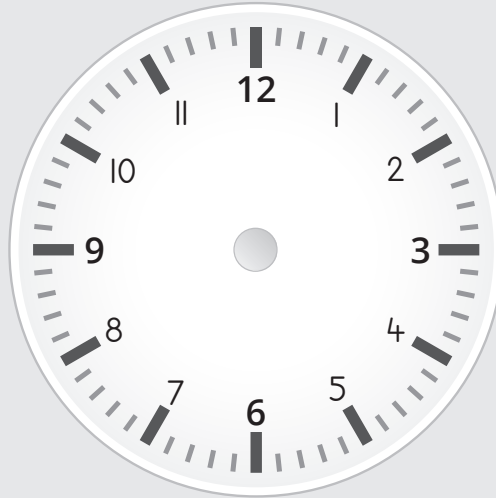
Sumbedzani kha ki\oko/watshi afho fhasi:

a 10 o'clock

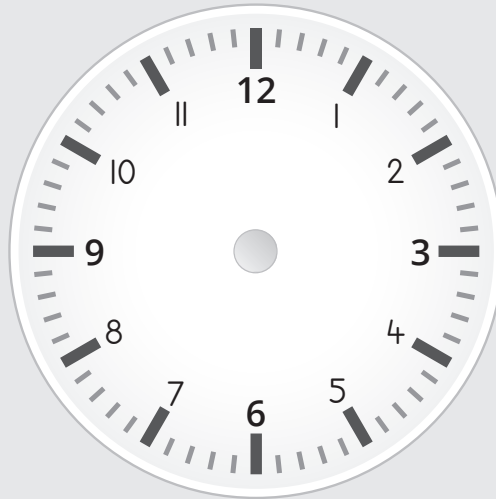
Awara ya 10



b 12 o'clock  
Awara ya 12



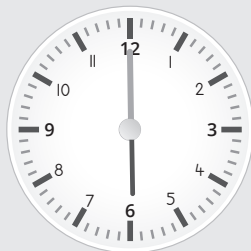
c 5 o'clock  
Awara ya 5



2 Write the times shown on these clocks:

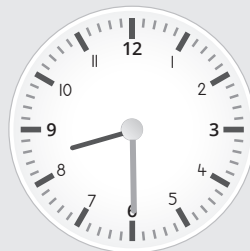
Ñwalani zwifhinga zwe zwa sumbedzwa kha ki\oko/watshi idzi

a



\_\_\_\_\_

b



\_\_\_\_\_

c



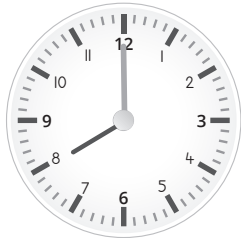



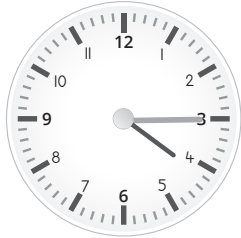








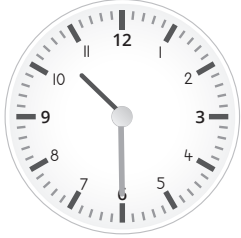


\_\_\_\_\_

# Term 2 Lesson 27

## Themo ya 2 Ngudo ya 27

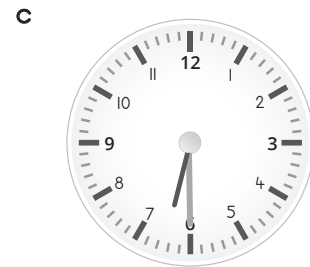
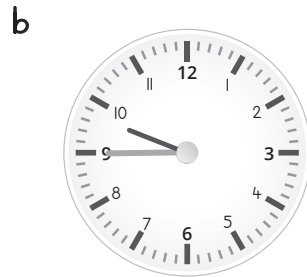
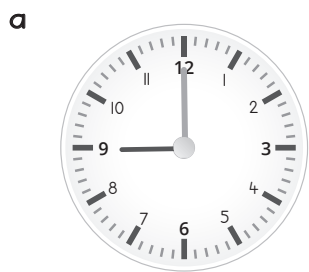
### Measuring Time/U pima tshifhinga

Clock faces for classwork activity./Ki\oko/watshi dza mushumo wa ki\asini.

_____ o'clock/awara ya _____			
			
08:00	11:00	12:00	04:00
quarter past _____/kotara u bva kha _____			
			
04:15	09:15	12:15	10:15
quarter to _____/kotara u ya kha _____			
			
01:45	02:45	09:45	10:45
half past _____/hafu u bva kha _____			
			
07:30	10:30	02:30	06:30

CLASSWORK MUSHUMO WA KILASINI

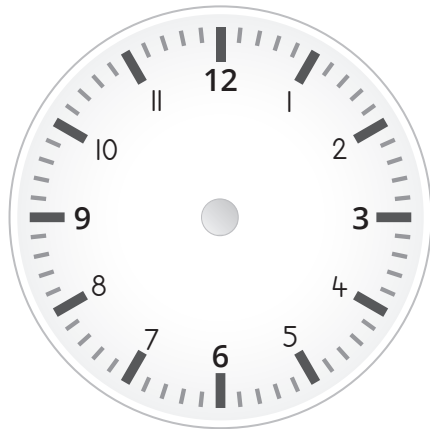
- 1 What is the time? Write the time in words.  
Ndi tshifhinga-ge? Nwalani tshifhinga nga maipfi.



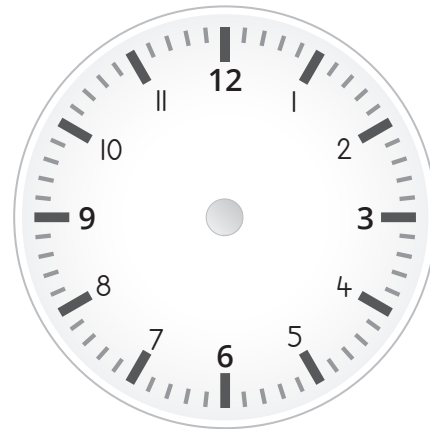
- 2 Show the times on the clock faces:

Sumbedzani zwifhinga kha kioko/watshi:

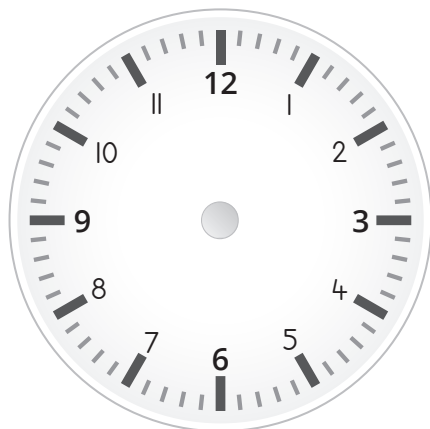
- a** Ten o'clock  
Awara ya fumi.



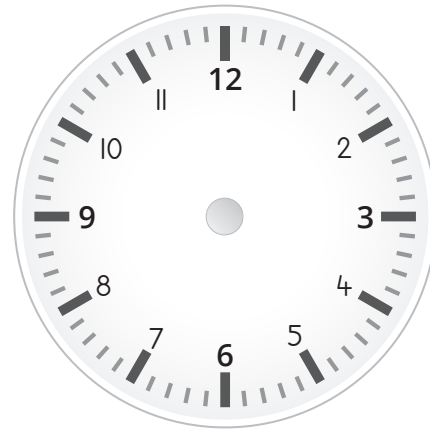
- b** Quarter to twelve  
Kotara u bva kha awara ya fumimbili



- c** Nine minutes to one  
Minete ya tshane u ya kha awara ya u thoma.



- d** 17:35



HOMEWORK TSHUŊWAHAYA

1 What is the time? Write the time in words.

Ndi tshifhinga de? Nwalani tshifhinga nga maipfi.

a



b



2 Show the times on the clock faces:

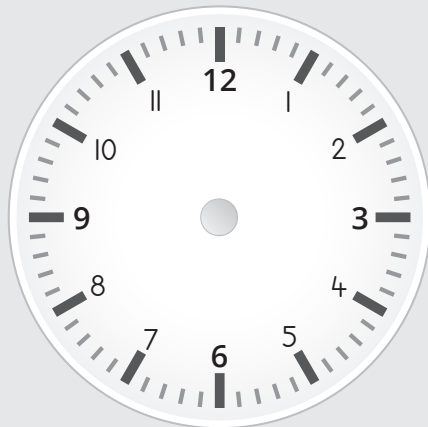
Sumbedzani zwifhinga kha ki|oko/watshi:

a 9 minutes past 1

Minete ya 9 u bva kha 1

b Quarter to three

Kotara u ya kha awara  
ya vhuraru

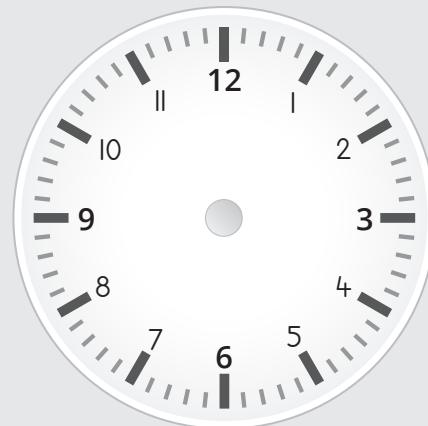
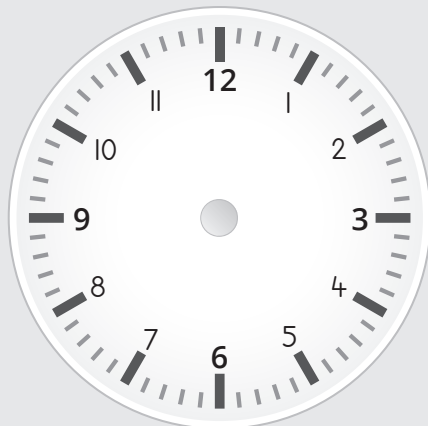


c Four minutes past five

Minete miṅa u bva kha awara  
ya vhuṭanu

d 15 minutes to 5

Minete ya 17 u ya kha 5





# Term 2 Lesson 28

## Themo ya 2 Ngudo ya 28

Time passed

Tshifhinga tshe tsha fhira

### CLASSWORK MUSHUMO WA KILASINI

1 Write these times in digital time:

Nwalani zwifhinga izwi nga tshifhinga tsha didzhitaḽa:

a Half past eight.

Hafu u bva kha awara ya malo.

\_\_\_\_\_

b Quarter to six.

Kotara u ya kha awara ya rathi.

\_\_\_\_\_

c Quarter to 9.

Kotara u ya kha awara ya ṽahe.

\_\_\_\_\_

d Quarter past 2.

Kotara u bva kha 2.

\_\_\_\_\_

e Half past four.

Hafu u bva kha awara ya vhuḽa.

\_\_\_\_\_

2 Write these times in analogue time

Nwalani zwifhinga izwi nga tshifhinga tsha anaḽogo:

a 05:15 \_\_\_\_\_

b 02:45 \_\_\_\_\_

c 12:15 \_\_\_\_\_

d 07:30 \_\_\_\_\_

3 How many minutes in one hour?

Hu na miminete mingana kha awara nthihi? \_\_\_\_\_

4 How many hours in one day?

Hu na awara nngana kha gɔuvha? \_\_\_\_\_

5 How many days in one week?

Hu na maɔuvha mangana kha vhege nthihi? \_\_\_\_\_

6 How many months in one year?

Hu na miɔwedzi mingana kha niwaha muthihi? \_\_\_\_\_

7 Diksha leaves home at 7:15 and arrives at school at 8:00. How long did it take Diksha to get to school?

Diksha u bva hayani nga 7:15 a swika tshikoloni nga 8:00. Diksha zwo mu dzhiela tshifhinga tshingafhani u swika tshikoloni?

\_\_\_\_\_

#### HOMEWORK TSHUŊWAHAYA

a How many minutes in 2 hours?

Hu na miminete mingana kha awara dza 2? \_\_\_\_\_

b How many hours in 2 days?

Hu na awara nngana kha maɔuvha a 2? \_\_\_\_\_

c How many days in 2 weeks?

Hu na maɔuvha mangana kha vhege dza 2? \_\_\_\_\_

d How many months in 2 years?

Hu na miɔwedzi mingana kha miɔwaha ya 2? \_\_\_\_\_

# Term 2 Lesson 29

## Themo ya 2 Ngudo ya 29

### Calendars/Khalenda

January							February							March						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4							1							1
5	6	7	8	9	10	11	2	3	4	5	6	7	8	2	3	4	5	6	7	8
12	13	14	15	16	17	18	9	10	11	12	13	14	15	9	10	11	12	13	14	15
19	20	21	22	23	24	25	16	17	18	19	20	21	22	16	17	18	19	20	21	22
26	27	28	29	30	31		23	24	25	26	27	28		23	24	25	26	27	28	29
														30	31					
April							May							June						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5					1	2	3	1	2	3	4	5	6	7
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
27	28	29	30				25	26	27	28	29	30	31	29	30					
July							August							September						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5						1	2	1	2	3	4	5	6	
6	7	8	9	10	11	12	3	4	5	6	7	8	9	7	8	9	10	11	12	13
13	14	15	16	17	18	19	10	11	12	13	14	15	16	14	15	16	17	18	19	20
20	21	22	23	24	25	26	17	18	19	20	21	22	23	21	22	23	24	25	26	27
27	28	29	30	31			24	25	26	27	28	29	29	28	29	30				
							31													
October							November							December						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4							1	1	2	3	4	5	6	
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27
26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31			
							30	31												

## CLASSWORK MUSHUMO WA KILASINI

- 1 Colour the South African public and religious holidays on a 2020 calendar.

Khalarani holodei dza Afrika Tshipembe dza phubuḽiki na dza vhurereleli kha khaḽenda ya 2020.

South African public holidays calendar	
Khaḽenda ya holodei dza phabuḽiki	
New Year's Day ḽuvha ḽa ḽwaha Muswa	Tuesday 1 January ḽavhuhili 1 Phando
Human Rights Day ḽuvha ḽa Pfanelo dza Vhathu	Thursday 21 March ḽavhuḽa 21 ḽhafamuhwe
Good Friday Gudufuraidei	Friday 19 April ḽavhuḽanu 19 Lambamai
Family Day ḽuvha ḽa Miḽa	Monday 22 April Musumbuluwo 22 Lambamai
Freedom Day ḽuvha ḽa Mbofholowo	Saturday 27 April Mugivhela 27 Lambamai
Workers' Day ḽuvha ḽa Vhashumi	Wednesday 1 May ḽavhuraru 1 Shandunthule
Youth Day ḽuvha ḽa Vhaswa	Sunday 16 June Sondaha 16 Fulwi
Women's Day ḽuvha ḽa Vhafumakadzi	Friday 9 August ḽavhuḽanu 9 ḽhangule
Heritage Day ḽuvha ḽa Vhufa	Tuesday 24 September ḽavhuhili 24 Khubvumedzi
Day of Reconciliation ḽuvha ḽa Vhupfumedzani	Monday 16 December Musumbuluwo 16 Nyendavhusiku
Christmas Day Khirisimusi	Wednesday 25 December ḽavhuraru 25 Nyendavhusiku
Day of Goodwill ḽuvha ḽa Vhukonani	Thursday 26 December ḽavhuḽa 26 Nyendavhusiku

- 2 Colour the block of your favourite month in yellow.

Khalarani tshibuḽoko tsha ḽwedzi une na u funesa nga muvhala wa ḽada.

- 3 How long is it between New Year's Day and Freedom Day?

Hu na maḍuvha mangana vhukati ha Ḑuvha Ḑa Ḑwaha Muswa na Ḑuvha Ḑa Mbofholowo?

---

- 4 How long is it between Youth Day and Heritage Day?

Hu na maḍuvha mangana vhukati ha Ḑuvha Ḑa Vhaswa na Ḑuvha Ḑa Vhufa?

---

#### HOMEWORK TSHUḐWAHAYA

- 1 Colour your family members' birthdays on the calendar you used for your classwork.

KhaḐarani maḍuvha a mabebo a vha afho muḑani kha khaḐenda ye na i shumisa kha u ita mushumo wa kiḐasini.

- 2 How many months of the year have no family birthdays? Name them.

Ndi miḥwedzi mingana kha ḥwaha ine i si vhe na maḍuvha a mabebo a vha muḑa wa haḥu? A buleni.

---

- 3 How long is it between your birthday and another person in your family's birthday?

Hu na maḍuvha mangana u bva kha ḑuvha Ḑaḥu Ḑa mabebo u swika kha ḑuvha Ḑa mabebo a muḥwevho afho muḑani?

---

# Term 2 Lesson 30

## Themo ya 2 Ngudo ya 30

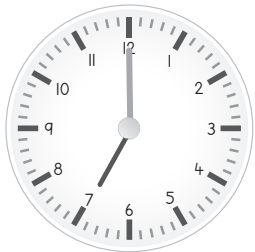
### Consolidation

### U ṭanganya magudiswa

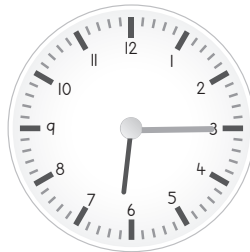
1 What is the time?

Ndi tshifhingade?

a



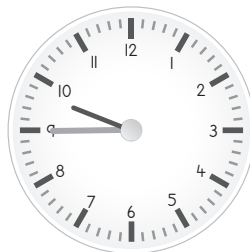
b



c



d



2 Write as on a digital clock.

Nwalani tshifhinga sa tsha kioko/watshi ya didzhithala

a Quarter past two.

Kotara u bva kha awara ya vuvhili.

\_\_\_\_\_

b Quarter to nine.

Kotara u ya kha awara ya vhuṭahe.

\_\_\_\_\_

- c Half past nine.  
Hafu u bva kha awara ya vhuṭahe \_\_\_\_\_
- d Seven o' clock.  
Awara ya vhusumbe. \_\_\_\_\_
- 3 I left my home at seven this morning and arrived back from school at three o' clock. For how many hours did I leave my home?  
Ndo bva hayani nga awara ya sumbe namusi nga matsheloni nda vhuya tshikoloni nga awara ya vhuraru. Ndo vha ndi siho hayani awara nngana?  
\_\_\_\_\_
- 4 Look at the calendar for this month.  
Lavhelesani khaḽenda ya ṛwedzi uno.
- a What month is it?  
Ndi ṛwedzi ufhiyo? \_\_\_\_\_
- b How many Thursdays are there in this month?  
Hu na Maḽavhuṅa mangana kha ṛwedzi uno? \_\_\_\_\_
- c What is the date one week before the sixteenth of this month?  
Deithi i no rangela dethi ya vhufumirathi nga vhege nthihi ndi ifhiyo uno ṛwedzi?  
\_\_\_\_\_
- d On what day is the last day of this month?  
ḽuvha ḽa u fhedza ḽa uno ṛwedzi ḽi wela kha ḽavhungana? \_\_\_\_\_
- e What will the date be one week after the twenty eighth of this month?  
Deithi i ḽo vha ifhiyo kha vhege nthihi nga murahu ha deithi ya vhufumimalo uno ṛwedzi?  
\_\_\_\_\_

# Term 2 Lesson 31

## Themo ya 2 Ngudo ya 31

### Assessment

### Ulinga



# Term 2 Lesson 32

## Themo ya 2 Ngudo ya 32

Circles

Zwitendeledzi

### CLASSWORK MUSHUMO WA KILASINI

- 1 Draw 3 different sized circles in the table below.

Olani zwitendeledzi zwa 3 zwa saizi dzo fhambanaho kha thebuḽu i re afho fhasi.

Small circle Tshitendeledzi tshiḽuku	Bigger circle Tshitendeledzi tshihulwanesa	Biggest circle Tshitendeledzi tshihulwanesesa

- 2 Draw circles in different positions in the table below.

Olani zwitendeledzi zwi kha vhuimo ho fhambanaho kha thebuḽu i re afho fhasi.

Circle at the top Tshitendeledzi nṽha	Circle in the middle Tshitendeledzi vhukati	Circle at the bottom Tshitendeledzi fhasi

3 Use 6 circles to create a picture.

Shumisani zwitendeledzi zwa rathi kha u ita tshifanyiso.

#### HOMEWORK TSHUNWAHAYA

Find and draw 3 objects that are circular in your home.

Hayani, wanani ni ole zwithu zwa 3 zwine zwa vha zwitendeledzi.

# Term 2 Lesson 33

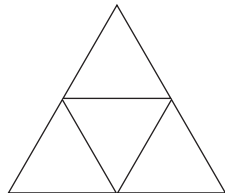
## Themo ya 2 Ngudo ya 33

### Triangles Thiraiengele

#### CLASSWORK MUSHUMO WA KILASINI

- Use 2 square pieces of paper. Fold each one twice to make a square and a triangle.  
Shumisani zwipiḡa zwa bammbiri zwa 2 zwa zwickwea. Petani tshipiḡa tshinwe na tshinwe luvhili ni ite tshikwea na thiraiengele.
- Stick them in your maths book and label them.  
Zwi nambatedzeni buguni yaḡu ya mbalo ni zwi lebuḡe.
- Work in pairs. How many shapes do you see? Count very carefully.  
Shumani nga vhavhilihavhili. Ni kona u vhona zwivhumbeo zwingana? Zwi vhaleni nga vhuronwane.

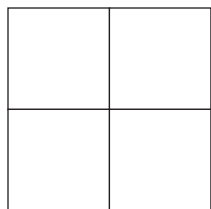
a



There are \_\_\_\_\_ triangles.

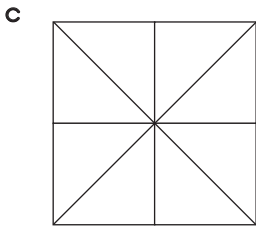
Hu na thiraiengele dza \_\_\_\_\_.

b



There are \_\_\_\_\_ squares.

Hu na zwickwea zwa \_\_\_\_\_.



There are \_\_\_\_\_ squares, \_\_\_\_\_ triangles and \_\_\_\_\_ rectangles.

Hu na zwikwea zwa \_\_\_\_\_, thiraiengele dza \_\_\_\_\_ na rekhithengele dza \_\_\_\_\_

- 2 Draw five triangles. They must all look different.

Olani thiraiengele t̄hanu. Dzo t̄he dzi tea u vhonala dzo fhambana.

- 3 Find and cut triangles of different sizes from a magazine or newspaper. Stick them into your book, in different positions.

Kha guranḡa kana magazini, wanani ni gere tharaiengele dza saizi dzo fhambanaho. Dzi nambatedzeni buguni yaṅu, dzi kha vhuimo ho fhambanaho.

- a How many sides does each triangle have?

Hu na vhurumbu vhungana kha thiraiengele inwe na inwe? \_\_\_\_\_

- b Are the sides straight or round?

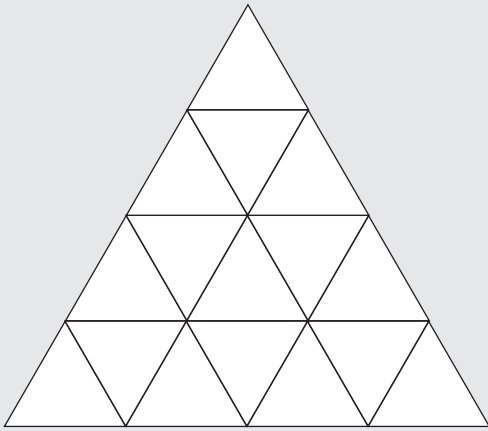
Vhurumbu uvhu ho ita tswititi kana ndi zwipulumbu/khulungwa?

\_\_\_\_\_

HOMEWORK TSHUŊWAHAYA

How many triangles are there in this picture?

Hu na thiraiengele nngana tshifhanyisoni itshi? \_\_\_\_\_



## Term 2 Lesson 34

# Themo ya 2 Ngudo ya 34

Squares

Zwikwea

### CLASSWORK MUSHUMO WA KILASINI

- 1 Draw a square. Draw three more, but all should look different.  
Olani tshikwea. Olani zwinwe zwiraru, fhedzi zwothe zwi tea u vhonala zwo fhambana.
  
- 2 Draw a picture that is made up of 8 different sized squares.  
Olani tshifanyiso tsho itwaho nga zwikwea zwa 8 zwa saizi dzo fhambanaho.

3 Draw three squares:

Olani zwickwea zwiraru

a A square with 4 cm sides.

Tshikwea tshi re na vhurumbu ha 4 cm.

b A square with 7 cm sides.

Tshikwea tshi re na vhurumbu ha 7 cm.

- c A square with 10 cm sides.  
Tshikwea tshi re na vhurumbu ha 10 cm.

HOMEWORK TSHUNWAHAYA

Find and draw 3 objects that are square in your home.

Hayani, wanani ni ole zwithu zwa 3 zwine zwa vha zwikwea.



## Term 2 Lesson 35

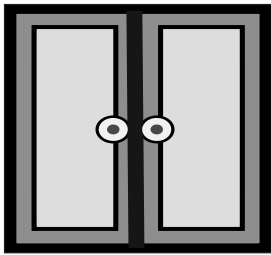
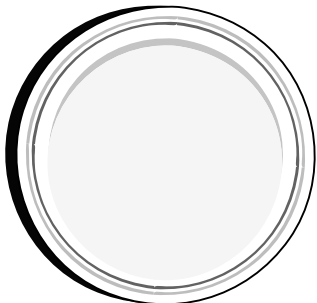
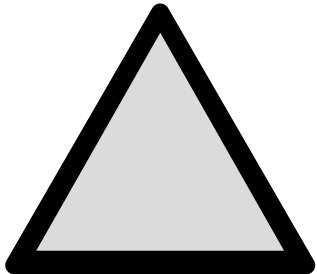
## Themo ya 2 Ngudo ya 35

## Consolidation

## U ṭanganya magudiswa

I Complete the table:

Fhedzisani/dadzani thebuḽu:

	Object Tshithu	Drawing of shape Nyolo ya tshivhumbeo	Name of shape Dzina ḽa tshivhumbeo
a			
b			
c			

- 2 Draw a car using triangles, circles and squares.

Olani moḡoro ni tshi shumisa thiraiengele, zwitendeledzi na zwickwea.

# Term 2 Lesson 36

## Themo ya 2 Ngudo ya 36

Rectangles

Rekhithengele/Rekhithenge

CLASSWORK MUSHUMO WA KILASINI

Draw the following:

Olani zwi tevhelaho:

- 1 A rectangle 5 cm wide and 7 cm long in the middle of your page.  
Rekhithengele i re na vhuphara ha 5 cm na vhulapfu ha 7 cm vhukati ha siaṭari laṅu.
- 2 Draw a triangle on the left of the rectangle.  
Olani thiraiengele kha tsha monde tsha rekhithengele.
- 3 Draw a 4 cm square on the right of the rectangle.  
Olani tshikwea tsha 4 cm kha tsha u la tsha rekhithengele.
- 4 Draw circle below the rectangle.  
Olani tshitendeledzi fhasi ha rekhithengele.

HOMEWORK TSHUNWAHAYA

Draw a picture of a person using rectangles, squares, circles and triangles.

Olani tshifanyiso tsha muthu ni tshi shumisa rekhithengele, zwickwea, zwitendeledzi na thiraiengele.

# Term 2 Lesson 37

## Themo ya 2 Ngudo ya 37

Assessment

Ulinga

# Term 2 Lesson 38

## Themo ya 2 Ngudo ya 38

Sort and Compare 2-D shapes

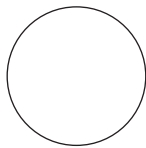
U dzudzanya na u vhambedza zwivhumbeo zwa 2-D

### CLASSWORK MUSHUMO WA KILASINI

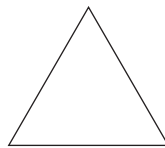
1 Say if the following shapes have round or straight sides:

Bulani uri zwivhumbeo zwi tevhelaho zwi na vhurumbu ha zwipulumbu kana tswititi.

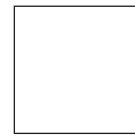
a



b



c



2 Draw three shapes in each block below:

Olani zwivhumbeo zwiraru kha tshibu\oko tshinwe na tshinwe afho fhasi:

Shapes with straight sides Zwivhumbeo zwi re na vhurumbutswititi	Shapes with round sides Zwivhumbeo zwi re na vhurumbu ha tshipulumbu	Shapes with straight and round sides Zwivhumbeo zwi re na vhurumbutswititi kana ha tshipulumbu

HOMEWORK TSHUŊWAHAYA

Draw a picture of a house. Use circles, squares, rectangles and triangles.

Olani tshifanyiso tsha nᅇu. Shumisani zwitendeledzi, zwickwea, rekhithengele na thiraiengele.

## Term 2 Lesson 39

# Themo ya 2 Ngudo ya 39

Consolidation of 2-D shapes

U t̄anganya zwivhumbeo zwa 2-D

### CLASSWORK MUSHUMO WA KILASINI

- 1 Draw a triangle. Draw three more triangles, but in different positions.  
Olani thiraiengele. Olani dzinwe thiraiengele tharu, fhedzi dzi vhe kha vhuimo ho fhambanaho.

- 2 Are the sides of the triangle round or straight?  
Vhurumbu ha thiraiengele ndi zwipulumbu kana tswititi? \_\_\_\_\_

- 3 Draw a rectangle. Draw three more rectangles, but in different positions.  
Olani thiraiengele. Olani dzinwe thiraiengele tharu, fhedzi dzi vhe kha vhuimo ho fhambanaho.

- 4 Are the sides of the rectangle round or straight?  
Vhurumbu ha rekhithengele ndi zwipulumbu kana tswititi? \_\_\_\_\_



- 5 Draw three circles of different size.

Olani zwitendeledzi zwiraru zwa saizi dzo fhambanaho.

- 6 Are the sides of the circle round or straight?

Vhurumbu ha tshitendeledzi ndi zwipulumbu kana tswititi? \_\_\_\_\_

- 7 Find and cut out squares of different sizes from a magazine. Stick them in your book, all in different positions.

Kha magazini, wanani ni gere zwickwea zwa saizi dzo fhambanaho. Zwi nambatedzeni buguni yanu, dzi kha vhuimo ho fhambanaho.

- a How many sides does each one have?

Tshinwe na tshinwe tshi na vhurumbu vhungana? \_\_\_\_\_

- b Are they straight or round?

Vhurumbu ndi ha zwipulumbu kana ndi vhurumbutswititi? \_\_\_\_\_

HOMEWORK TSHUNWAHAYA

Draw a picture of a tree. You may use shapes with straight sides and round sides.

Olani tshifanyiso tsha muri. Ni nga shumisa zwivhumbeo zwi re na vhurumbutswititi kana ha zwipulumbu.

## Term 2 Lesson 40

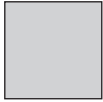

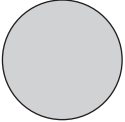
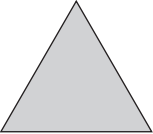
## Themo ya 2 Ngudo ya 40

Consolidation

U ṭanganya magudiswa

Complete the following table:

Fhedzisa thebuḽu i tevhelaho:

Shape Tshivhumbeo	Different size Sadzi inwe-vho	Different position Vhuimo huniwe-vho	Different colour Muvhala muniwe-vho
			
			
			
			

# Term 2 Lesson 41

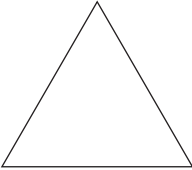
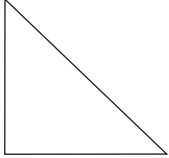
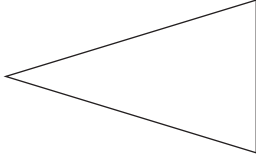
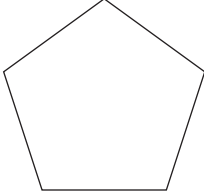
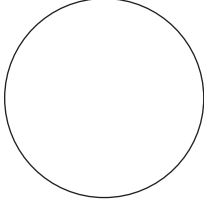
## Themo ya 2 Ngudo ya 41

### Symmetry Part I

### Ndinganahuvhili Tshipiḁa tsha I

CLASSWORK MUSHUMO WA KILASINI

Complete the table:  
Fhedzisani/gadzani thebuḁu:

Shape Tshivhumbeo	Lines of symmetry Mutalo/mutaladzi wa ndinganahuvhili	
	We predict Ri anganyela/humbulela	We found Ro wana
		
		
		
		
		

HOMEWORK TSHUŊWAHAYA

1 Draw a square.

Olani tshikwea

2 Draw a design inside the square so that the square is still symmetrical.

Olani dizaini nga ngomu ha tshikwea lune tshikwea tsha do di dzula tshi ndinganahuvhili.

# Term 2 Lesson 4.2

## Themo ya 2 Ngudo ya 4.2

### Symmetry Part 2

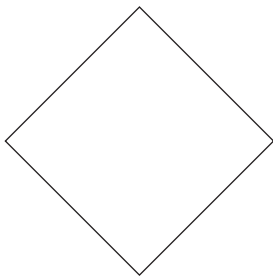
### Ndinganahuvhili Tshipiḁa tsha 2

#### CLASSWORK MUSHUMO WA KILASINI

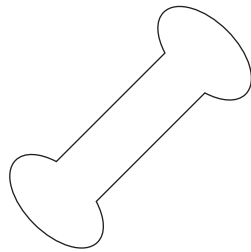
Draw the lines of symmetry into the following shapes:

Talani mutalo wa ndinganahuvhili ngomu ha zwivhumbeo zwi tevhelaho:

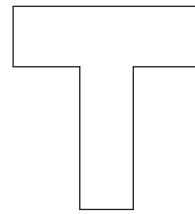
a



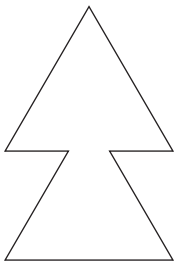
b



c



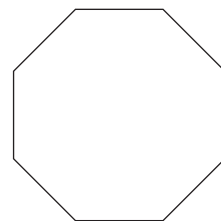
d



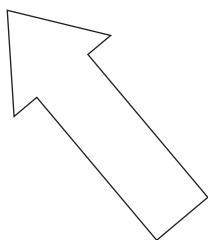
e



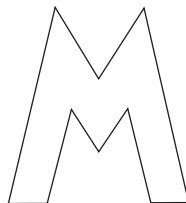
f



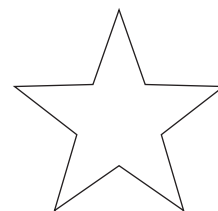
g



h

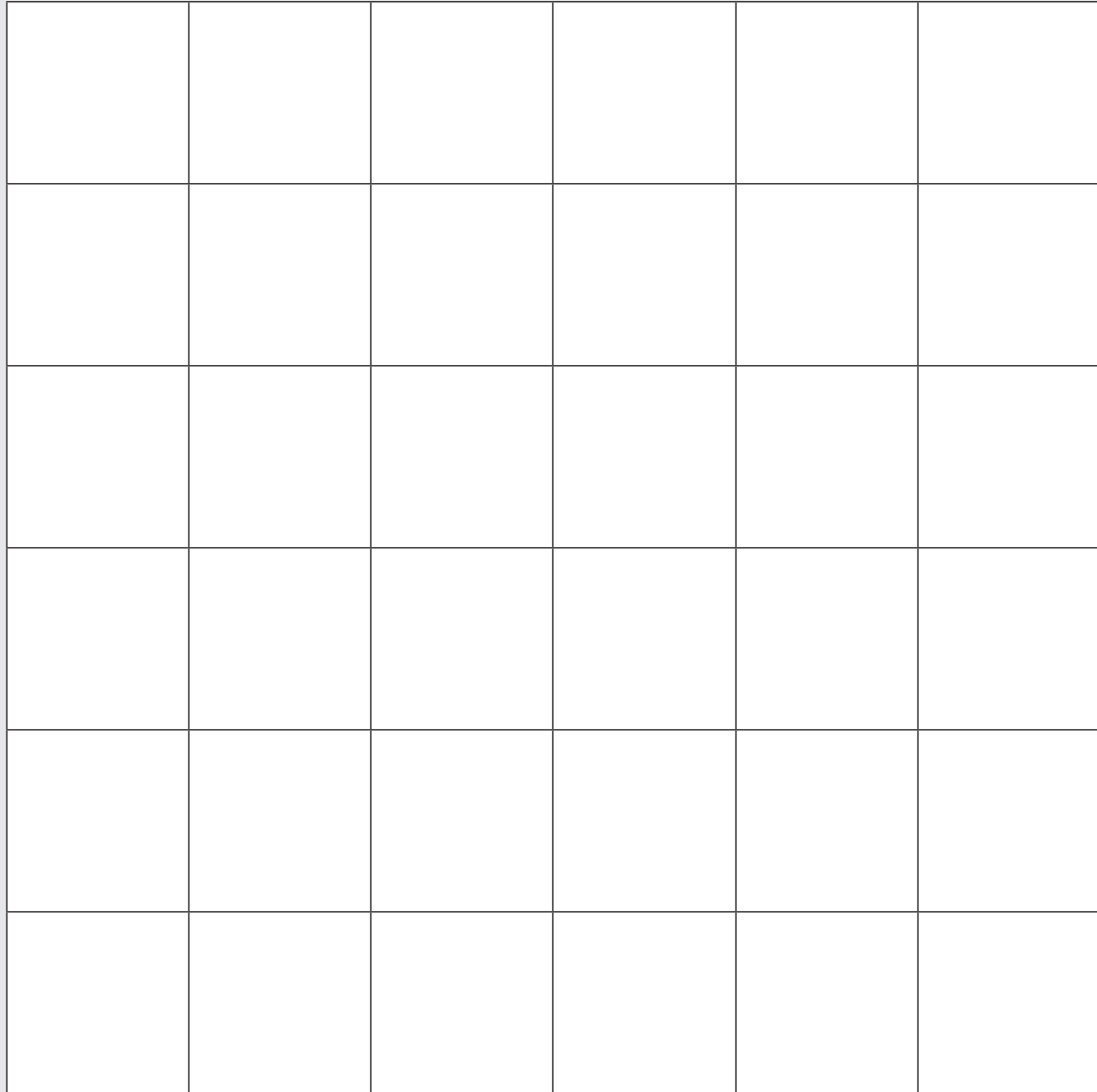


i



## HOMEWORK TSHUŊWAHAYA

- 1 Draw a symmetrical pattern in this grid.  
Olani phetheni ya ndinganahuvhili kha giridi iyi.



- 2 How many lines of symmetry in your pattern?  
Hu na mitalo mingana ya ndinganahuvhili kha phetheni yaḡu?

\_\_\_\_\_

# Term 2 Lesson 43

## Themo ya 2 Ngudo ya 43

Assessment

Ulinga



# Term 2 Lesson 44

## Themo ya 2 Ngudo ya 44

Geometric patterns

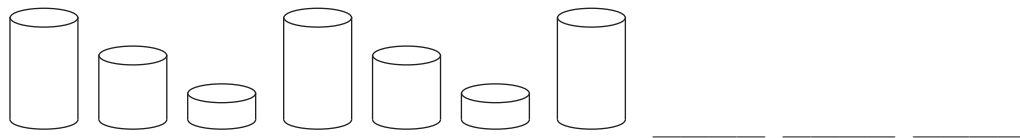
Phetheni dza dzhiometiri

CLASSWORK MUSHUMO WA KILASINI

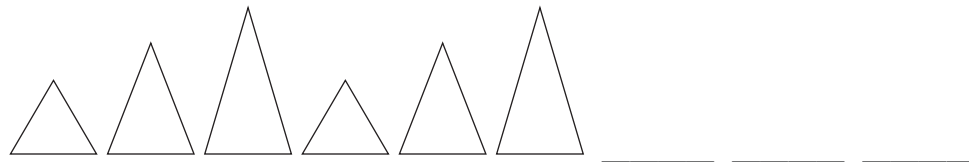
Copy and extend these patterns.

Kopani na u engedza phetheni idzi.

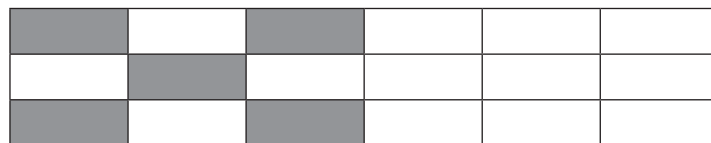
1



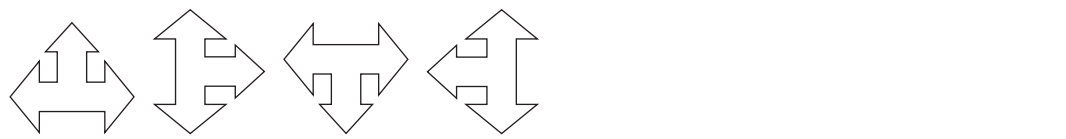
2



3



4



### HOMEWORK TSHUŊWAHAYA

- 1 Find 3 different objects (2 of each) in your kitchen, like glasses, plates and bowls.

Wanani zwithu zwa 3 zwo fhambanaho khishini, sa ngilasi, phuleithi na bawele.

- 2 Use your objects to make a pattern.

Shumisani izwi zwithu zwanu kha u ita phetheni.

- 3 Draw and extend your pattern in your book.

Olani na u engedza phetheni yanu buguni yanu.

# Term 2 Lesson 45

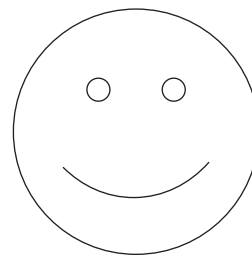
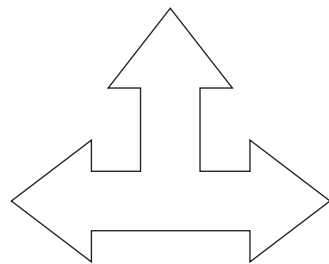
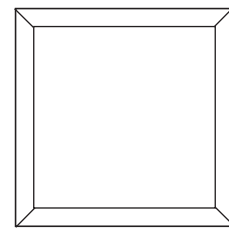
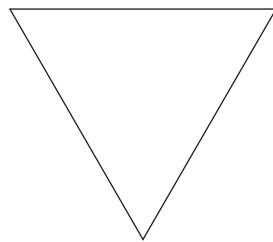
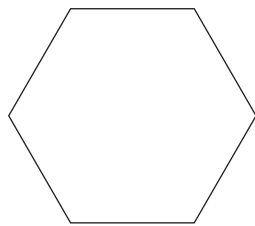
## Themo ya 2 Ngudo ya 45

### Consolidation

### U t̄anganya magudiswa

1 Draw in lines of symmetry in the following shapes:

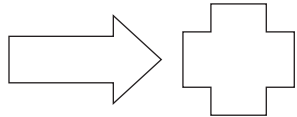
Talani mitalo ya ndinganahuvhili kha zwivhumbeo zwi tevhelaho:



2 Copy and extend the following geometric patterns.

Kopani na u engedza phetheni dza dzhiomet̄iri dzi tevhelaho.

a



b



## Term 2 Lesson 4b

# Themo ya 2 Ngudo ya 4b

Geometric patterns around us

Phetheni dza dzhiometiri dzine ra tshila nadzo

### CLASSWORK MUSHUMO WA KILASINI

1 Draw the pattern that your group made with the cups.  
Olani phetheni ye tshigwada tshaṅu tsha ita nga khaphu.

2 Describe the pattern.  
Ṭalutshedzani iyo phetheni.

---

3 Draw the pattern that your group made with the spoons.  
Olani phetheni ye tshigwada tshaṅu tsha ita nga lebula.

4 Describe your pattern.  
Ṭalutshedzani phetheni yaṅu.

---

- 5 Design your own pattern, using triangles.  
Dizainani phetheni yanu, ni tshi shumisa thiraiengele.

- 6 Describe the pattern.  
T<sub>l</sub>alutshedzani iyo phetheni.

---

#### HOMEWORK TSHUŊWAHAYA

Design a colour ful and beautiful pattern.

Dizainani phetheni ya u naka ya mivhalavhala.

- a** You may use any shapes and colours.  
Ni nga shumisa zwivhumbeo zwiŋwe na zwiŋwe na mivhala miŋwe na miŋwe.
- b** Remember to extend the pattern you started with.  
Ni elelwe u engedza phetheni ye na thoma ngayo.
- c** You may use more than one pattern in your design.  
Ni nga shumisa phetheni dzi no fhira nthihi kha dizaini yanu.

## Term 2 Lesson 47

# Themo ya 2 Ngudo ya 47

Creating geometric patterns

U vhumba phetheni dza dzhiometiri

### CLASSWORK MUSHUMO WA KILASINI

1 Draw a geometric pattern and describe your pattern:

Olani phetheni ya dzhiometiri ni i tšalutshedze:

a Use triangles.

Shumisani thiraiengele.

b Use squares.

Shumisani zwikwea.

c Use circles.

Shumisani zwitendeledzi.

- 2 Draw a geometric pattern using triangles, squares and circles.  
Olani phetheni ya dzhiomeṭiri ni tshi shumisa thiraiengele, zwickwea na zwitendeledzi.
- 3 Describe your pattern.  
Ṭalutshedzani phetheni yaṅu.

---

**HOMEWORK TSHUṆWAHAYA**

- 1 Draw a geometric pattern and describe it.  
Olani phetheni ya dzhiomeṭiri ni i ṭalutshedze.
- a Use rectangles.  
Shumisani thiraiengele.
- 
- b Use triangles and circles.  
Shumisani zwitendeledzi.
-

# Term 2 Lesson 48

## Themo ya 2 Ngudo ya 48

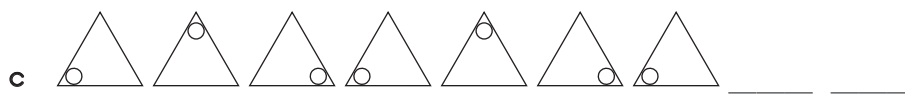
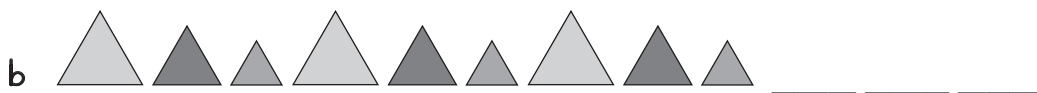
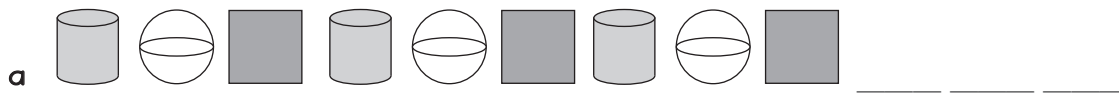
Exploring geometric patterns

U pfesesa phetheni dza dzhiometiri

### CLASSWORK MUSHUMO WA KILASINI

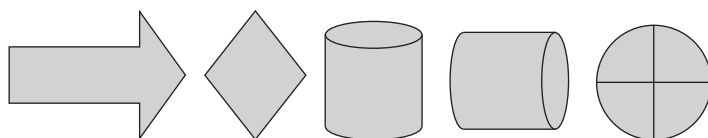
1 Extend the patterns:

Engedzani phetheni:



2 Use any of these shapes to make two different patterns. Describe your patterns.

Shumisani zwiñwe na zwiñwe zwa zwiwhumbeo izwi kha u ita phetheni mbili dzo fhambanaho. T alutshedzani phetheni dzañu.



You don't have to use all the shapes in your two patterns.

A ni kombetshedziwi u shumisa zwiwhumbeo zwoñhe kha u vhumba phetheni idzi mbili.



Pattern 1:  
Phetheni ya 1:

---

Pattern 2:  
Phetheni ya 2:

---

#### HOMEWORK TSHUŊWAHAYA

1 Design and draw your own pattern using circles, squares and triangles.  
Dizainani na u ola phetheni ya inwi muḡe ni tshi shumisa zwitendeledzi,  
zwickwea na thiraiengele.

2 Describe the pattern.  
Ṭalutshedzani iyo phetheni.

---

Term 2 Lesson 49

Themo ya 2 Ngudo ya 49

Assessment

Ulinga

# Term 2 Lesson 50

## Themo ya 2 Ngudo ya 50

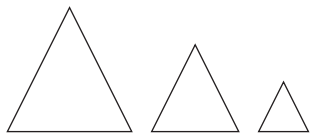
### Consolidation

#### U ṭanganya magudiswa

- 1 Extend the following pattern:  
Engedzani phetheni i tevhelaho:



- 2 Describe this pattern.  
Ṭalutshedzani phetheni iyi.



- 3 Create a pattern using circles that increase in size  
Sikani phetheni ni tshi shumisa zwitendeledzi zwine saizi yazwo ya enda i tshi engedzea.

- 4 Create a pattern with 3 squares. The squares should decrease in size.  
Sikani phetheni nga zwickwea zwa 3. Saizi ya zwickwea izwi i tea u enda i tshi fhungudzea.

Multiplication table (lesson 1 and other)  
Thebulo ya muandiso (ngudo ya 1 na inwe)

	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

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

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

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

Array diagram (lesson 2 and other)

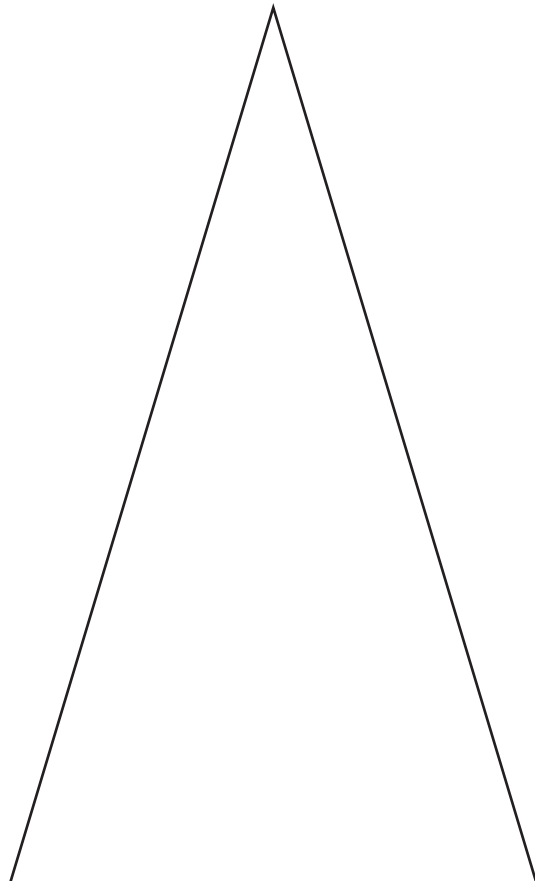
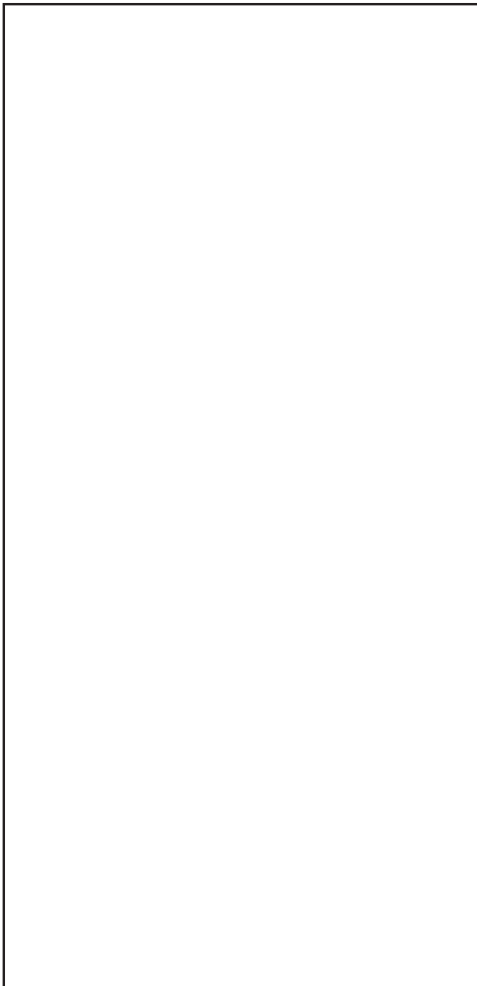
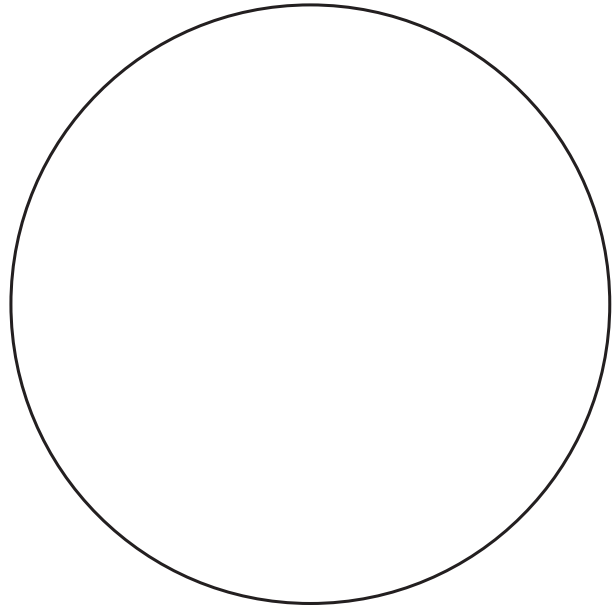
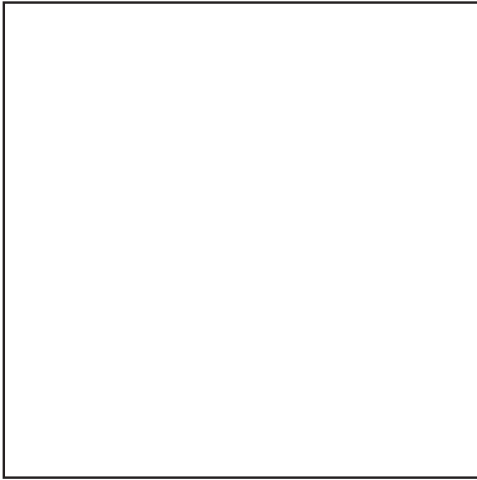
Nyolo dza mutevhe (arei) (ngudo ya 2 na inwe)

Array diagram for multiplication table Nyolo ya mutevhe wa thebu <u>l</u> u ya muandiso										
	1	2	3	4	5	6	7	8	9	10
1	●	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●	●
5	●	●	●	●	●	●	●	●	●	●
6	●	●	●	●	●	●	●	●	●	●
7	●	●	●	●	●	●	●	●	●	●
8	●	●	●	●	●	●	●	●	●	●
9	●	●	●	●	●	●	●	●	●	●
10	●	●	●	●	●	●	●	●	●	●



Shape cut outs (I) (lesson 38)

Zwigeriwa zwa zwivhumbeo (I) (ngudo ya 38)





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

Zwigeriwa zwa zwivhumbeo(2) (ngudo dza 39, 44, 47)

