

MATHEMATICS

Grade 3

**English/
Xitsonga**

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.

Manghenelo

Xikatsa lexi xa switirhisiwa xi ni migingiriko ya siku ni siku ya makumentlhanu leyi nomboriweke ya ntirho wa le tllasini ni ntirhokaya. Migingiriko leyi yi fambisana ni migingiriko leyi nga eka makungu ya tidyondzontsongo. Tidyondzontsongo ta siku ni siku ti fanele ti landzeriwa hi ntirho wa le tllasini ivi ku landzela ntirhokaya. Tinhlamulo ta migingiriko leyi ti nga tsariwa laha bukwin.

Switirhisiwa leswi swi tsariwe hi Xitsonga ni Xinghezi. Ha tshemba leswaku ku tsala migingiriko leyi hi tindzimi timbirhi swi ta pfuna vadyondzi ku dyondza marito ya matematiki hi ririmi ra manana ni hi Xinghezi. Leswi swi ta va hlomisela ku dyondza matematiki ni le nkarhini lowu taka.

Loko vadyondzi vo dyondza hilaha migingiriko leyi yi hleriweke hakona, va nga hlanganisa kharikhulamu hinkwayo. Ha tshemba leswaku migingiriko leyi yi ta va madyondziselo yo tsakisa yo va pfuna ku dyondza vutivi bya matematiki.

Contents

Theme ya 2 Dyondzontsongo ya 1 Matafula ya ku andzisa kufika eka 5	1
Theme ya 2 Dyondzontsongo ya 2 Ku andzisa hi ku tirhisa tidayagiramu ta mixaxamelo	2
Theme ya 2 Dyondzontsongo ya 3 Tafula ra ku andzisa ka 6	3
Theme ya 2 Dyondzontsongo ya 4 Tafula ra ku andzisa ka 6	4
Theme ya 2 Dyondzontsongo ya 5 Nkatsakanyo	5
Theme ya 2 Dyondzontsongo ya 6 Tafula ra ku andzisa ka 7	8
Theme ya 2 Dyondzontsongo ya 7 Tafula ra ku andzisa ka 7	9
Theme ya 2 Dyondzontsongo ya 8 Makambelelo	10
Theme ya 2 Dyondzontsongo ya 9 Tafula ra ku andzisa ka 8	11
Theme ya 2 Dyondzontsongo ya 10 Nkatsakanyo	12
Theme ya 2 Dyondzontsongo ya 11 Tafula ra ku andzisa ka 9	14
Theme ya 2 Dyondzontsongo ya 12 Matafula ya ku andzisa ka 8 na 9	15
Theme ya 2 Dyondzontsongo ya 13 Tafula ra ku andzisa ka 1	18
Theme ya 2 Dyondzontsongo ya 14 Ku mbirhahata ni ku hlanganisa ko vuyelela	21
Theme ya 2 Dyondzontsongo ya 15 Nkatsakanyo	24
Theme ya 2 Dyondzontsongo ya 16 Makambelelo	27
Theme ya 2 Dyondzontsongo ya 17 Tipatironi ta ku andzisa	28
Theme ya 2 Dyondzontsongo ya 18 Tipatironi eka matafula ya ku andzisa	29
Theme ya 2 Dyondzontsongo ya 19 Andzisa hi 10	31
Theme ya 2 Dyondzontsongo ya 20 Nkatsakanyo	34
Theme ya 2 Dyondzontsongo ya 21 Makambelelo	36
Theme ya 2 Dyondzontsongo ya 22 Andzisa hi O leswaku u kuma nomboro leyji sijiweke	37
Theme ya 2 Dyondzontsongo ya 23 Tipatironi tin'wana ta ku andzisa	39
Theme ya 2 Dyondzontsongo ya 24 Makambelelo	41
Theme ya 2 Dyondzontsongo ya 25 Nkatsakanyo	42
Theme ya 2 Dyondzontsongo ya 26 Nkarhi	45
Theme ya 2 Dyondzontsongo ya 27 Ku Pima Nkarhi	48
Theme ya 2 Dyondzontsongo ya 28 Nkarhi lowu hundzeke	51

Theme ya 2 Dyondzontsongo ya 29 Tikhalendarara	53
Theme ya 2 Dyondzontsongo ya 30 Nkatsakanyo	56
Theme ya 2 Dyondzontsongo ya 31 Makambelego	58
Theme ya 2 Dyondzontsongo ya 32 Swirhendzevutana	59
Theme ya 2 Dyondzontsongo ya 33 Tinhlanharhu	61
Theme ya 2 Dyondzontsongo ya 34 Swikwere	64
Theme ya 2 Dyondzontsongo ya 35 Nkatsakanyo	67
Theme ya 2 Dyondzontsongo ya 36 Tirhekuthengula	69
Theme ya 2 Dyondzontsongo ya 37 Makambelego	71
Theme ya 2 Dyondzontsongo ya 38 Veketela Swifaniso swa Matlhelo Ma2 na ku swi Pimanisa	72
Theme ya 2 Dyondzontsongo ya 39 Nkatsakanyo wa swivumbeko swa matlhelo ma2	74
Theme ya 2 Dyondzontsongo ya 40 Nkatsakanyo	77
Theme ya 2 Dyondzontsongo ya 41 Ndzinganiso Xiyenge 1	78
Theme ya 2 Dyondzontsongo ya 42 Ndzinganiso Xiyenge 2	80
Theme ya 2 Dyondzontsongo ya 43 Makambelego	82
Theme ya 2 Dyondzontsongo ya 44 Tipatironi ta xijometiri	83
Theme ya 2 Dyondzontsongo ya 45 Nkatsakanyo	85
Theme ya 2 Dyondzontsongo ya 46 Tipatironi ta xijometiri laha hi nga kona	86
Theme ya 2 Dyondzontsongo ya 47 Ku endla tipatironi ta xijometiri	88
Theme ya 2 Dyondzontsongo ya 48 Ku twisisa hi vuenti tipatironi ta xijometiri	90
Theme ya 2 Dyondzontsongo ya 49 Makambelego	92
Theme ya 2 Dyondzontsongo ya 50 Nkatsakanyo	93
Switirhisiwa leswi kandziyisekaka	94

Term 2 Lesson 1

Theme ya 2 Dyondzontsongo ya 1

Multiplication tables up to 5

Matafula ya ku andzisa kufika eka 5

CLASSWORK NTIRHO WA LE TLILASINI

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

Vadyondzi va veketela makhadi ya matafula ya miandziso hi nxaxamelo:

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

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

Tlangani ntlango wa makhadi ya ku andzisa. Mudyondzisi u ta mi hlamusela milawu.

HOMEWORK NTIRHOKAYA

Complete the table:

Hetisa tafula leri:

	Multiplication Ku andzisa	Repeated addition Ku hlanganisa ko vuyelela	Answer Nhlamulo
1	4×3	$3 + 3 + 3 + 3$	
2	5×4		
3		$2 + 2 + 2 + 2$	
4	5×3		

Term 2 Lesson 2

Theme ya 2 Dyondzontsongo ya 2

Multiplication using array diagrams

Ku andzisa hi ku tirhisa tidayagiramu ta mixaxamelo

CLASSWORK NTIRHO WA LE TLILASINI

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

Vadyondzi va veketela hi nxaxamelo makhadi ya matafula lawa ya ku andzisa:

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

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

Tlangani ntlango wa makhadi ya ku andzisa. Mudyondzisi u ta mi hlamusela milawu.

HOMEWORK NTIRHOKAYA

Complete the table:

Hetisa tafula leri:

	Multiplication Ku andzisa	Repeated addition Ku hlanganisa ko vuyelela	Answer Nhlamulo
1	6×4	$4 + 4 + 4 + 4 + 4 + 4$	
2		$6 + 6 + 6 + 6$	
3		$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	
4	5×9		

Term 2 Lesson 3

Theme ya 2 Dyondzontsongo ya 3

The 6 times table

Tafula ra ku andzisa ka 6

CLASSWORK NTIRHO WA LE TLILASINI

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

Tlangani ntlango wa makhadi ya ku andzisa. Mudyondzisi u ta mi hlamusela milawu.

HOMEWORK NTIRHOKAYA

Complete the table:

Hetisa tafula leri:

	Multiplication Ku andzisa	Repeated addition Ku hlanganisa ko vuyeleda	Answer Nhlamulo
1	3×6	$6 + 6 + 6$	
2	4×6		
3		$6 + 6 + 6 + 6 + 6$	
4	6×6		
5		$6 + 6 + 6 + 6 + 6 + 6 + 6$	

Term 2 Lesson 4

Theme ya 2 Dyondzontsongo ya 4

The 6 times table

Tafula ra ku andzisa ka 6

CLASSWORK NTIRHO WA LE TLILASINI

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

Tlangani ntlango wa makhadi ya ku andzisa. Mudyondzisi u ta mi hlamusela milawu.

HOMEWORK NTIRHOKAYA

Complete the table:

Hetisa tafula leri:

	Multiplication Ku andzisa	Repeated addition Ku hlanganisa ko vuyeleda	Answer Nhlamulo
1	9×6	$6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6$	
2	8×6		
3		$6 + 6$	
4	3×6		
5		$6 + 6 + 6 + 6$	

Term 2 Lesson 5

Theme ya 2 Dyondzontsongo ya 5

Consolidation

Nkatsakanyo

1 Complete the table:

Hetisa tafula leri:

	Multiplication Ku andzisa	Repeated addition Ku hlanganisa ko vuyelela	Answer Nhlamulo
a	2×5	$5 + 5$	
b	3×5		
c		$5 + 5 + 5 + 5$	
d	5×5		
e		$5 + 5 + 5 + 5 + 5 + 5$	
f	7×5		
g		$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	40
h		$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	45

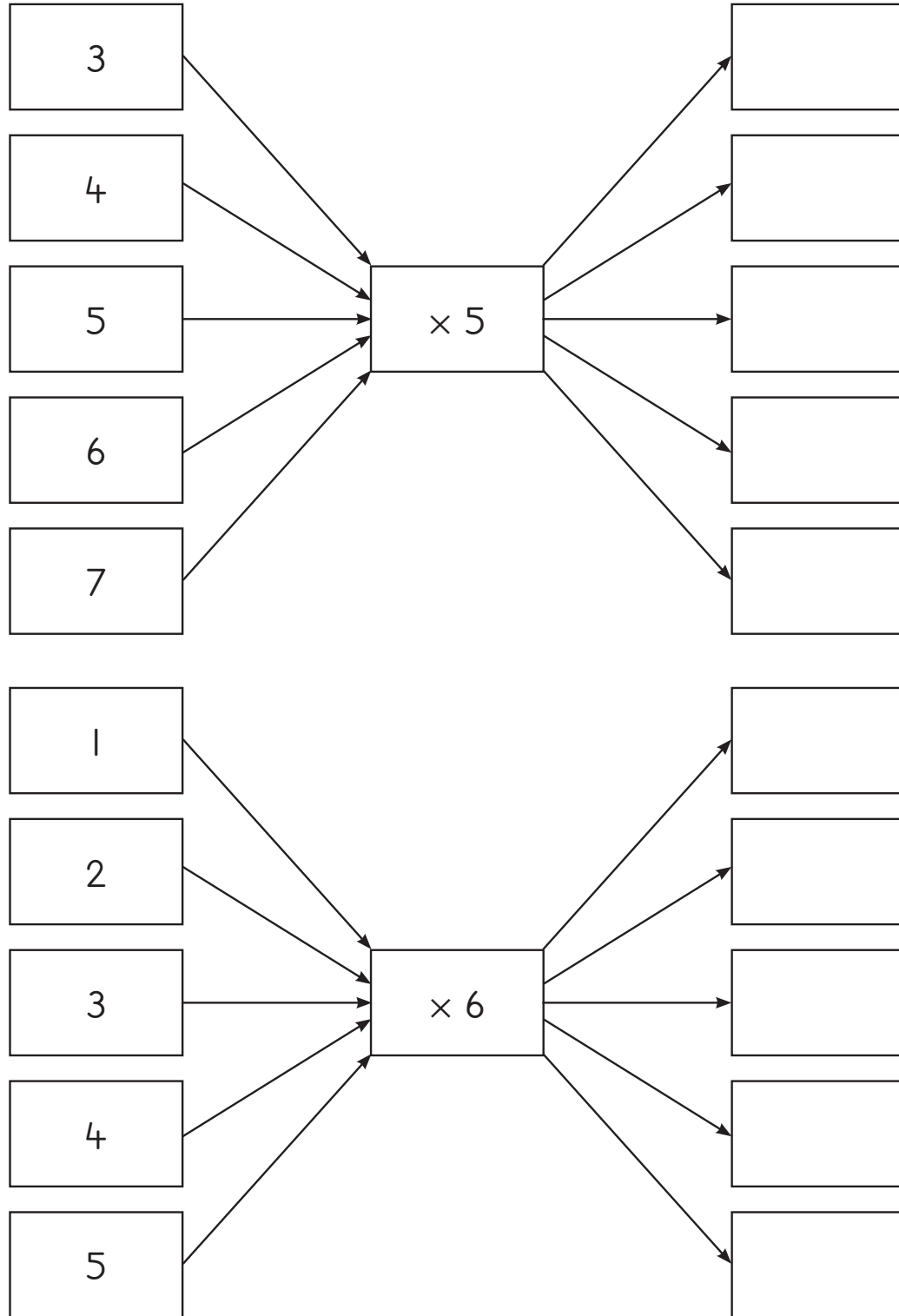
2 Complete the table:

Hetisa tafula leri:

	Multiplication Ku andzisa	Repeated addition Ku hlanganisa ko vuyelela	Answer Nhlamulo
a	2×6	$6 + 6$	
b	3×6		
c		$6 + 6 + 6 + 6$	
d	5×6		
e		$6 + 6 + 6 + 6 + 6 + 6$	
f	7×6		
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:

Hetisa tidayagiramu ta matirhelo:



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

Tlangani ntlango wa makhadi ya ku andzisa. Mudyondzisi u ta mi hlamusela milawu.

Term 2 Lesson 6

Theme ya 2 Dyondzontsongo ya 6

The 7 times table

Tafula ra ku andzisa ka 7

CLASSWORK NTIRHO WA LE TLILASINI

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

Tlangani ntlango wa makhadi ya ku andzisa. Mudyondzisi u ta mi hlamusela milawu.

HOMEWORK NTIRHOKAYA

Complete the table:

Hetisa tafula leri:

	Multiplication Ku andzisa	Repeated addition Ku hlanganisa ko vuyelela	Answer Nhlamulo
1	2×7	$7 + 7$	
2	4×7		
3		$7 + 7 + 7 + 7 + 7$	
4	8×7		
5		$7 + 7 + 7 + 7 + 7 + 7 + 7$	

Term 2 Lesson 7

Theme ya 2 Dyondzontsongo ya 7

The 7 times table

Tafula ra ku andzisa ka 7

CLASSWORK NTIRHO WA LE TLILASINI

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

Tlangani ntlango wa makhadi ya ku andzisa. Mudyondzisi u ta mi hlamusela milawu.

HOMEWORK NTIRHOKAYA

Complete the table:

Hetisa tafula leri:

	Multiplication Ku andzisa	Repeated addition Ku hlanganisa ko vuyelela	Answer Nhlamulo
1	5×7	$7 + 7 + 7 + 7 + 7$	
2	9×7		
3		$7 + 7 + 7 + 7 + 7 + 7$	
4	2×7		
5		$7 + 7 + 7$	

Term 2 Lesson 8

Theme ya 2 Dyondzontsongo ya 8

Assessment

Makambelelo

Term 2 Lesson 9

Theme ya 2 Dyondzontsongo ya 9

The 8 times table

Tafula ra ku andzisa ka 8

CLASSWORK NTIRHO WA LE TLILASINI

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

Tlangani ntlango wa makhadi ya ku andzisa. Mudyondzisi u ta mi hlamusela milawu.

HOMEWORK NTIRHOKAYA

Complete the table:

Hetisa tafula leri:

	Multiplication Ku andzisa	Repeated addition Ku hlanganisa ko vuyelela	Answer Nhlamulo
1	4×8	$8 + 8 + 8 + 8$	
2	6×8		
3		$8 + 8 + 8$	
4	9×8		
5		$8 + 8 + 8 + 8 + 8$	

Term 2 Lesson 10

Theme ya 2 Dyondzontsongo ya 10

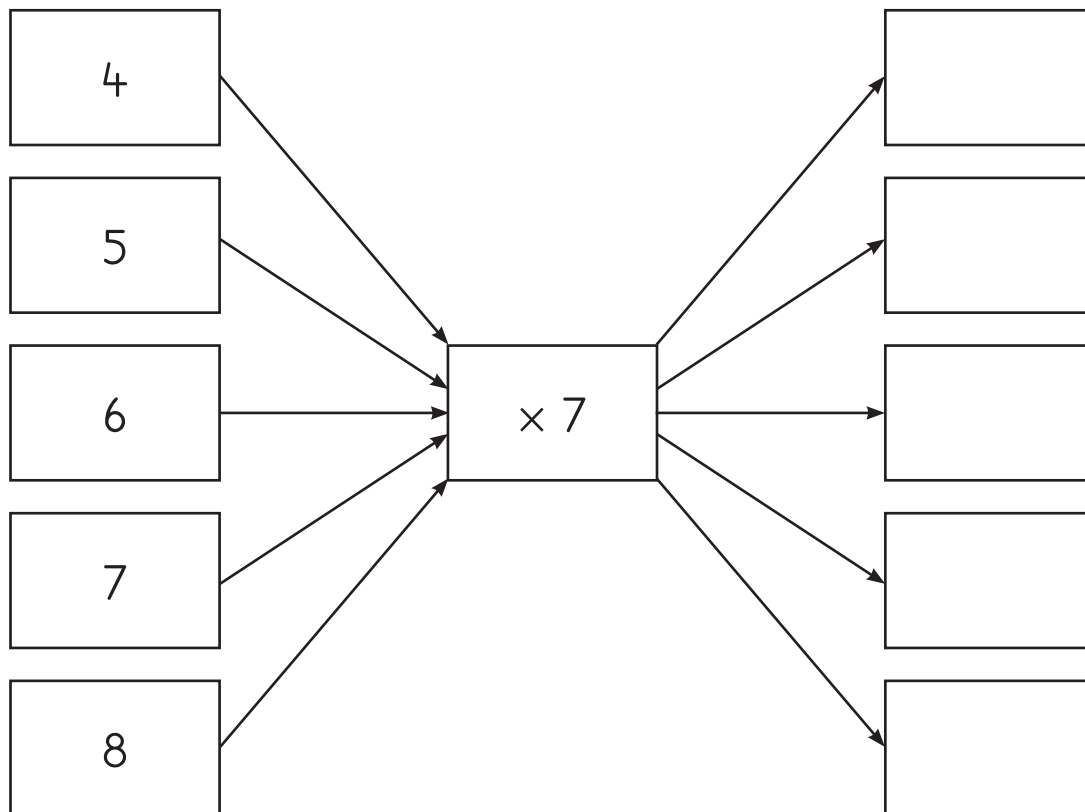
Consolidation

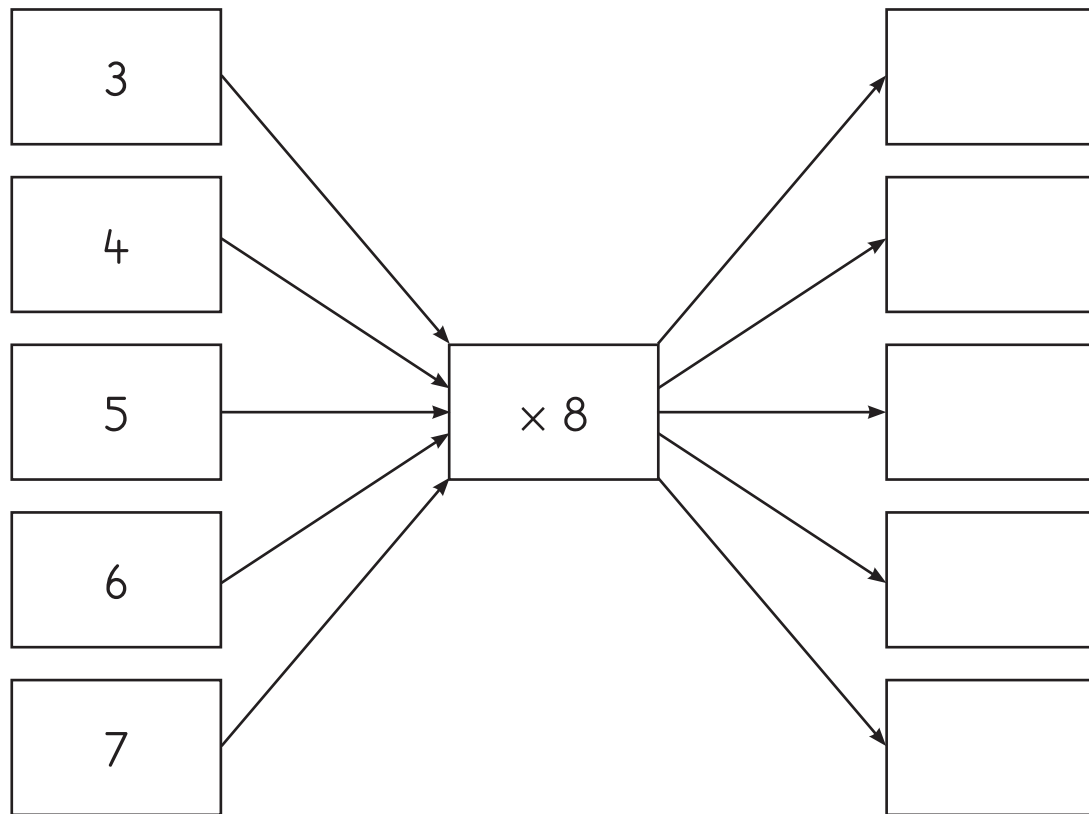
Nkatsakanyo

CLASSWORK NTIRHO WA LE TLILASINI

1 Complete the flow diagrams:

Hetisa tidayagiramu ta matirhelo:





2 Complete the tables:

Hetisa matafula lawa:

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.

Tlangani ntlango wa makhadi ya ku andzisa. Mudyondzisi u ta mi hlamusela milawu.

Term 2 Lesson 11

Theme ya 2 Dyondzontsongo ya 11

The 9 times table

Tafula ra ku andzisa ka 9

CLASSWORK NTIRHO WA LE TLILASINI

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

Tlangani ntlango wa makhadi ya ku andzisa. Mudyondzisi u ta mi hlamusela milawu.

HOMEWORK NTIRHOKAYA

Complete the table:

Hetisa tafula leri:

	Multiplication Ku andzisa	Repeated addition Ku hlanganisa ko vuyelela	Answer Nhlamulo
1	5×9	$9 + 9 + 9 + 9 + 9$	
2	3×9		
3		$9 + 9 + 9 + 9 + 9 + 9 + 9$	
4	2×9		
5		$9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9$	

Term 2 Lesson 12

Theme ya 2 Dyondzontsongo ya 12

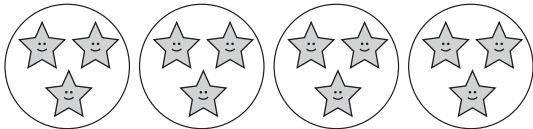
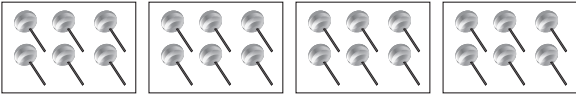
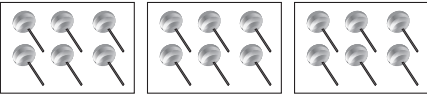

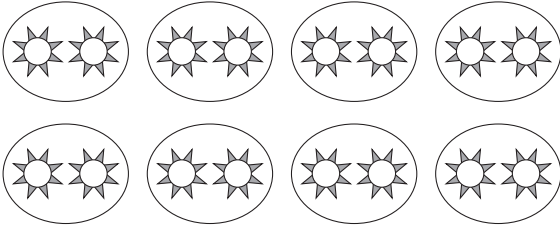
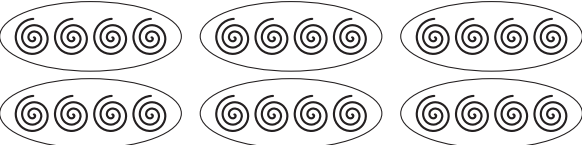
The 8 and 9 times tables

Matafula ya ku andzisa ka 8 na 9

CLASSWORK NTIRHO WA LE TLILASINI

1 Write the number sentences with answers:

Tsala swivulwa swa tinomboro na tinhlamulo:

		Number sentence Xivulwa xa tinomboro
a		
b	 	
c		
d		
e		

2 Write the number sentences with answers:

Tsala swivulwa swa tinomboro na tinhlamulo:

		Number sentence Xivulwa xa tinomboro																																																																								
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7	●	●	●	●	●	●	●																																																																			
8	●	●	●	●	●	●	●																																																																			

3 Write the number sentences with answers:

Tsala swivulwa swa tinomboro na tinhlamulo:

	Repeated addition Ku hlanganisa ko vuyeleda	Number sentence Xivulwa xa tinomboro
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 NTIRHOKAYA

Write the number sentences with answers:

Tsala swivulwa swa tinomboro na tinhlamulo:

	Repeated addition Ku hlanganisa ko vuyeleda	Number sentence Xivulwa xa tinomboro
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

Theme ya 2 Dyondzontsongo ya 13

The 1 times table

Tafula ra ku andzisa ka 1

CLASSWORK NTIRHO WA LE TLILASINI

1 Write the number sentences with answers:

Tsala swivulwa swa tinomboro na tinhlamulo:

		Number sentence Xivulwa xa tinomboro
a	9 groups of 1 9 wa mitlawa ya va 1	
b	7 groups of 4 7 wa mitlawa ya va 4	
c	5 groups of 1 5 wa mitlawa ya va 1	
d	6 groups of 3 6 wa mitlawa ya va 3	
e	1 group of 1 ntlawa wun'we wa va 1	

2 Calculate:

Khakhuleta:

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:

Tsala swivulwa swa tinomboro na tinhlamulo:

	Repeated addition Ku hlanganisa ko vuyelela	Number sentence Xivulwa xa tinomboro
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 NTIRHOKAYA

Write the number sentences with answers:

Tsala swivulwa swa tinomboro na tinhlamulo:

		Number sentence Xivulwa xa tinomboro
a	3 groups of 1 mitlawa yi3 ya va 1	
b	4 groups of 6 4 wa mitlawa ya va 6	
c	8 groups of 1 8 wa mitlawa ya va 1	
d	2 groups of 7 2 wa mitlawa ya va 7	
e	5 groups of 1 5 wa mitlawa ya va 1	

Term 2 Lesson 14

Theme ya 2 Dyondzontsongo ya 14

Doubling and repeated addition

Ku mbirihata ni ku hlenganisa ko vuyelela

CLASSWORK NTIRHO WA LE TLILASINI

1 Calculate by doubling:

Khakhuleta hi ku mbirihata:

	Multiple Ku andzisa	Double Mbirihata	Answer Nhlamulo
a	2×50	$50 + 50 =$	100
b	2×15		
c	2×35		
d	2×10		
e	2×45		
f	2×25		
g	2×30		
h	2×40		

2 Calculate by doubling:

Khakhuleta hi ku mbirihata:

	Multiple Ku andzisa	Double Mbirihata	Add Hlanganisa	Answer Nhlamulo
a	2×51	$50 + 1 + 50 + 1$	$100 + 2$	102
b	2×46			
c	2×31			
d	2×16			
e	2×17			
f	2×26			
g	2×41			
h	2×36			

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

Bongiwe a ri na 20 wa tibaluni.
Mhani wakwe u n'wi nyike 21 wa tibaluni.
Xana tingani tibaluni hinkwato leti a nga na tona?

- 4 Nomsa had a bunch of 35 flowers.
She was given another bunch of 36 flowers.
How many flowers did she have altogether?

Nomsa a ri ni nyandza ya 35 wa swiluva.
Va n'wi nyike nyandza yin'wana ya 36 wa swiluva. Xana swingani swiluva hinkwaswo leswi se a ri na swona?

HOMEWORK NTIRHOKAYA

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

Nelisiwe u na 41 wa tintambhu.
U tsema tintambhu tin'wana ta 41.
Xana sweswi tingani tintambhu leti a nga na tona?

Term 2 Lesson 15

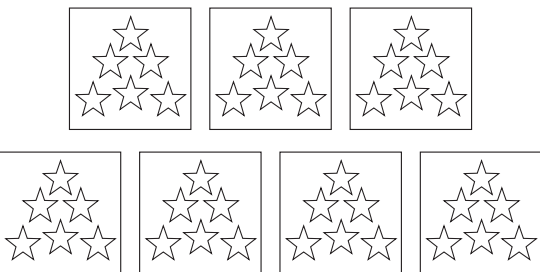
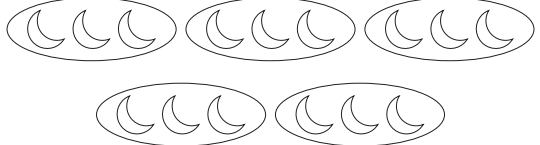
Theme ya 2 Dyondzontsongo ya 15

Consolidation

Nkatsakanyo

I Write the number sentences with answers:

Tsala swivulwa swa tinomboro na tinhlamulo:

		Number sentence Xivulwa xa tinomboro																																													
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b.																																															
c.	<table border="1" data-bbox="396 1439 635 1769"> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>1</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>2</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>3</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>4</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>5</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>6</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> </table>		1	2	3	4	1	●	●	●	●	2	●	●	●	●	3	●	●	●	●	4	●	●	●	●	5	●	●	●	●	6	●	●	●	●											
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2 Write the number sentences with answers:

Tsala swivulwa swa tinomboro na tinhlamulo:

	Repeated addition Ku hlanganisa ko vuyelela	Number sentence Xivulwa xa tinomboro
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:

Tsala swivulwa swa tinomboro na tinhlamulo:

		Number sentence Xivulwa xa tinomboro
a	3 groups of 4 mitlawa yi3 ya va 4	
b	4 groups of 8 4 wa mitlawa ya va 8	
c	9 groups of 9 9 wa mitlawa ya va 9	
d	2 groups of 5 mitlawa yi2 ya va 5	
e	6 groups of 7 6 wa mitlawa ya va 7	

4 Calculate by doubling:

Khakhuleta hi ku mbirhahata:

	Multiple Ku andzisa	Double Mbirhahata	Add Hlanganisa	Answer Nhlamulo
a	2×16	$15 + 1 + 15 + 1$	$30 + 2$	
b	2×41			
c	2×26			
d	2×52			
e	2×38			

Term 2 Lesson 16

Theme ya 2 Dyondzontsongo ya 16

Assessment
Makambelelo

Term 2 Lesson 17

Theme ya 2 Dyondzontsongo ya 17

Multiplication patterns

Tipatironi ta ku andzisa

CLASSWORK NTIRHO WA LE TLILASINI

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

Tlangani ntlango wa makhadi ya ku andzisa. Mudyondzisi u ta mi hlamusela milawu.

HOMEWORK NTIRHOKAYA

1 Draw circles in an array to show the multiple:

Dirowa swirhendzevutana hi mixaxamelo ku komba ku andzisa:

	Multiple Ku andzisa	Array Mixaxamelo		Multiple Ku andzisa	Array Mixaxamelo
a	4×5		b	5×4	
c	3×6		d	6×3	

Term 2 Lesson 18

Theme ya 2 Dyondzontsongo ya 18

Patterns in multiplication tables

Tipatironi eka matafula ya ku andzisa

CLASSWORK NTIRHO WA LE TLILASINI

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

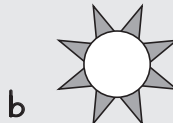
Tlangani ntlango wa makhadi ya ku andzisa. Mudyondzisi u ta mi hlamusela milawu.

HOMEWORK NTIRHOKAYA

Write the number sentences for each of the covered numbers:

Tsala xivulwa xa tinomboro xa nomboro yin'wana na yin'wana leyi sirhewiweke:


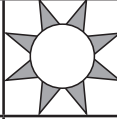

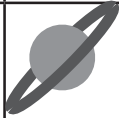











	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9
2	2	4	6	8	10	12	14	16	18
3	3	6		12	15	18	21	24	27
4	4	8	12	16		24	28	32	36
5	5	10	15	20	25	30	35		45
6	6	12	18	24	30	36	42	48	56
7	7	14	21	28	35		49	56	63
8	8	16	24	32	40	48	56	64	72
9	9		27	36	45	54	63	72	81

Term 2 Lesson 19

Theme ya 2 Dyondzontsongo ya 19

Multiply by 10

Andzisa hi 10

CLASSWORK NTIRHO WA LE TLILASINI

1 Complete the table:

Hetisa tafula leri:

		Repeated addition Ku hlanganisa ko vuyelela	Number sentence Xivulwa xa tinomboro
a	5 groups of 2 5 wa mitlawa ya va 2		
b	3 groups of 9 mitlawa yi3 ya va 9		
c		$6 + 6 + 6 + 6 + 6 + 6$	
d	1 group of 10 ntlawa wun'we wa va 10		
e	8 groups of 4 8 wa mitlawa ya va 4	$4 + 4 + 4 + 4 + 4 + 4 + 4 + 4$	

		Repeated addition Ku hlanganisa ko vuyelela	Number sentence Xivulwa xa tinomboro
f		$5 + 5 + 5 + 5$	
g		$10 + 10 + 10 + 10 + 10 + 10 + 10$	
h	5 groups of 7 5 wa mitlawa ya va 7		

2 Solve the problems:

Lulamisa swiphiqo leswi:

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

Ndzi na ti R10 ti3 ta maphepha. Xana ndzi na mali muni?

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

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

Ndzi na ti R10 ta 7 ta maphepha. Xana ndzi na mali muni?

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

HOMEWORK NTIRHOKAYA

Complete the table:

Hetisa tafula leri:

		Repeated addition Ku hlanganisa ko vuyelela	Number sentence Xivulwa xa tinomboro
a	3 groups of 10 mitlawwa yi3 ya va 10	$10 + 10 + 10$	
b	4 groups of 7 4 wa mitlawwa ya va 7		$4 \times 7 = 28$
c		$6 + 6 + 6$	
d	10 groups of 4 10 wa mitlawwa ya va 4		
e		$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	

Term 2 Lesson 20

Theme ya 2 Dyondzontsongo ya 20

Consolidation

Nkatsakanyo

I Write the number sentences:

Tsala xivulwa xa tinomboro:

	Repeated addition Ku hlanganisa ko vuyeleda	Number sentence Xivulwa xa tinomboro
a	6 groups of 8 6 wa mitlawa ya va 8	
b	4 groups of 2 4 wa mitlawa ya va 2	
c	$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	
d	2 groups of 7 mitlawa yi2 ya va 7	
e	$3 + 3 + 3 + 3$	
f	$9 + 9 + 9$	
g	9 groups of 8 9 wa mitlawa ya va 8	

	Repeated addition Ku hlanganisa ko vuyeleda	Number sentence Xivulwa xa tinomboro
h	10 groups of 6 10 wa mitlawa ya va 6	
i	$4 + 4 + 4 + 4 + 4 + 4 + 4$	
j	$10 + 10 + 10 + 10 + 10$	
k	9 groups of 1 9 wa mitlawa ya va 1	
l	8 groups of 2 8 wa mitlawa ya va 2	
m	$7 + 7 + 7 + 7 + 7 + 7$	
n	$6 + 6 + 6 + 6 + 6 + 6 + 6$	
o	5 groups of 4 5 wa mitlawa ya va 4	
p	7 groups of 9 7 wa mitlawa ya va 9	

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

Tlangani ntlango wa 'SNAP' mi ri vambirhimbirhi mi tirhisa makhadi yo andzisa. Mudyondzisi u ta mi hlamusela milawu.

Term 2 Lesson 21

Theme ya 2 Dyondzontsongo ya 21

Assessment

Makambelelo

Term 2 Lesson 22

Theme ya 2 Dyondzontsongo ya 22

Multiply by 0 and find the missing number

Andzisa hi 0 leswaku u kuma nomboro leji siyiweke

CLASSWORK NTIRHO WA LE TLILASINI

1 Use your multiplication table to find the missing numbers:

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

		Answer Nhlamulo			Answer Nhlamulo
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:

Khakhuleta:

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 NTIRHOKAYA

Calculate:

Khakhuleta:

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

Theme ya 2 Dyondzontsongo ya 23

More multiplication patterns

Tipatironi tin'wana ta ku andzisa

CLASSWORK NTIRHO WA LE TLILASINI

Use your multiplication table to find the missing numbers:

Tirhisa tafula ra wena ra ku andzisa leswaku u kuma tinomboro leti siyiweke:

		Answer Nhlamulo			Answer Nhlamulo
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 NTIRHOKAYA

<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>Ndzi na tinyandza ti3 ta swiluva. Eka nyandza yin'wana na yin'wana ku na swiluva swi3 swa pinki na 4 swo basa. Xana ndzi na swiluva swingani hinkwaswo?</p>
<p>Draw a diagram. Dirowa dayagiramu.</p>	
<p>Write the number sentences. Tsala swivulwa swa tinomboro.</p>	
<p>Write the answer. Tsala nhlamulo.</p>	

Term 2 Lesson 24

Theme ya 2 Dyondzontsongo ya 24

Assessment

Makambelelo

Term 2 Lesson 25

Theme ya 2 Dyondzontsongo ya 25

Consolidation

Nkatsakanyo

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

Tirhisa tafula ra wena ra ku andzisa leswaku u kuma tinomboro leti siyiweke:

		Answer Nhlamulo			Answer Nhlamulo
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:

Dirowa dayagiramu ya mixaxamelo ku komba:

		Array Mixaxamelo
a	6×2	

		Array Mixaxamelo
b	2×6	
c	7×4	
d	4×7	

3 Solve the problem:

Lulamisa xiphiqo lexi:

<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>Ndzi na 4 wa mikwama ya swivumbeko. Enkwameni wun'wana na wun'wana ku na tinhlanharhu ti2 na 5 wa tirhekuthegula. Xana ndzi na swivumbeko swingani hinkwaswo?</p>
<p>Draw a diagram. Dirowa dayagiramu.</p>	
<p>Write the number sentences. Tsala swivulwa swa tinomboro.</p>	
<p>Write the answer. Tsala nhlamulo.</p>	

Term 2 Lesson 26

Theme ya 2 Dyondzontsongo ya 26

Time

Nkarhi

CLASSWORK NTIRHO WA LE TLILASINI

1 Write these times as digital times:

Tsala mikarhi leyi hi matsalelo ya mikarhi ya dijitali.

a Half past seven.

Hafu ku bile awara ya nkombo.

b Quarter past seven.

Kotara ku bile awara ya nkombo.

c Quarter to 4.

Kotara ku nga si ba awara ya 4.

d Quarter past four.

Kotara ku bile awara ya mune.

e Half past 5.

Hafu ku bile awara ya 5.

2 Write these times as analogue times:

Tsala mikarhi leyi hi matsalelo ya mikarhi ya analogo:

a 05:30 _____

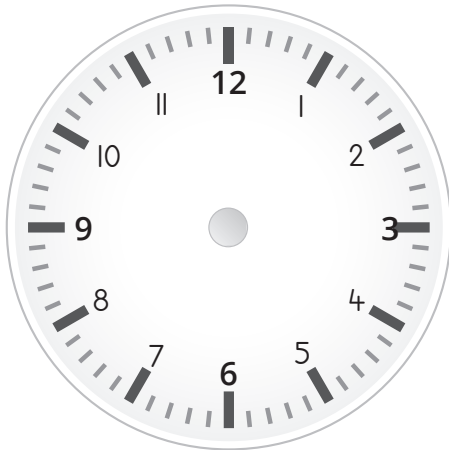
b 02:00 _____

c 12:00 _____

d 07:00 _____

3 Show quarter past two on the clock:

Komba kotara ku bile awara ya mbirhi ewachini:



a Write the time below the clock.

Tsala nkarhi ehansi ka wachi.

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

I timinete tingani ku nga si ba awara ya 3?

c Where is the hour hand pointing?

Xana rimhondzo ra awara ri kombe kwihi?

d Where is the minute hand pointing?

Xana rimhondzo ra timinete ri kombe kwihi?

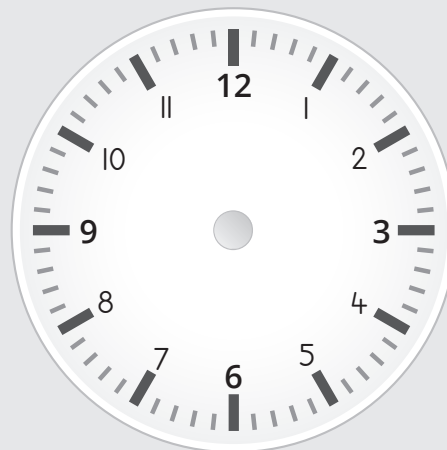
HOMEWORK NTIRHOKAYA

1 Show on the clock faces below:

Kombisa emahlweni ka wachi laha hansi:

a 10 o'clock

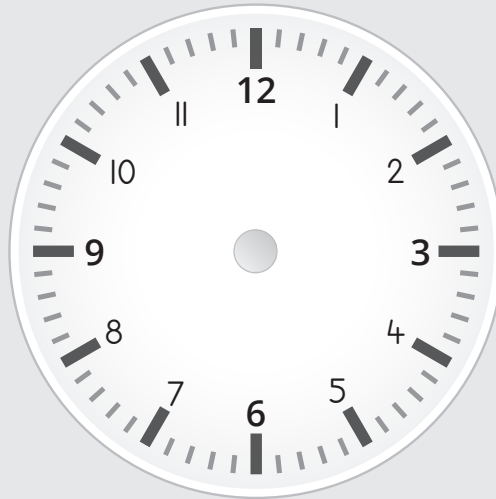
Awara ya 10



b 12 o'clock
Awara ya 12



c 5 o'clock
Awara ya 5



2 Write the times shown on these clocks:
Tsala mikarhi leyi kombisiweke etiwachini leti:

a



b



c

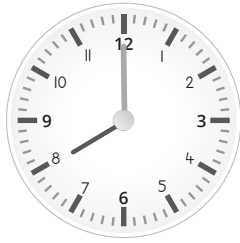


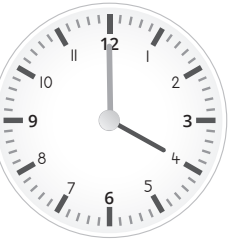
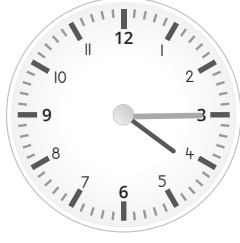



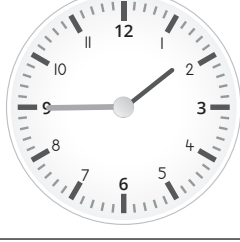
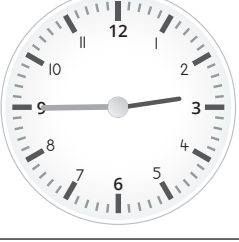



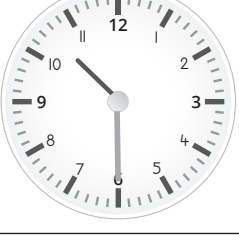




Term 2 Lesson 27

Theme ya 2 Dyondzontsongo ya 27

Measuring Time/Ku Pima Nkarhi

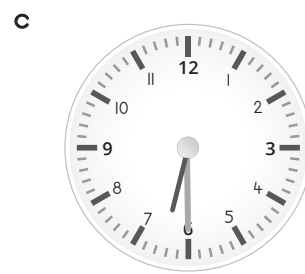
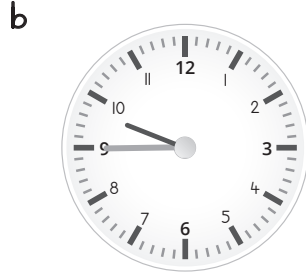
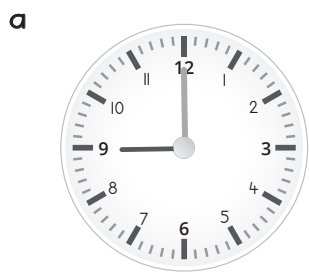
Clock faces for classwork activity./Tiwachi ta migingiriko ya le tilasini.

_____ o'clock/awara ya _____			
			
08:00	11:00	12:00	04:00
quarter past _____/kotara ku bile awara ya _____			
			
04:15	09:15	12:15	10:15
quarter to _____/kotara ku nga si ba awara ya _____			
			
01:45	02:45	09:45	10:45
half past _____/hafu ku bile awara ya _____			
			
07:30	10:30	02:30	06:30

CLASSWORK NTIRHO WA LE TLILASINI

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

I nkarhi muni? Tsala nkarhi hi marito.

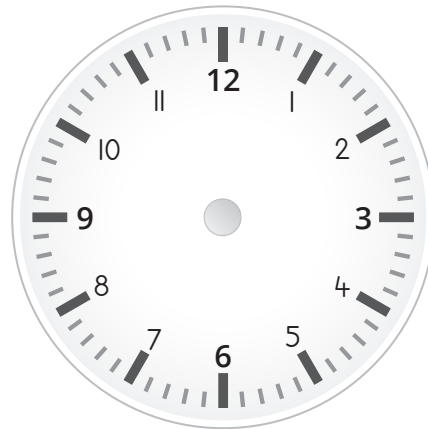
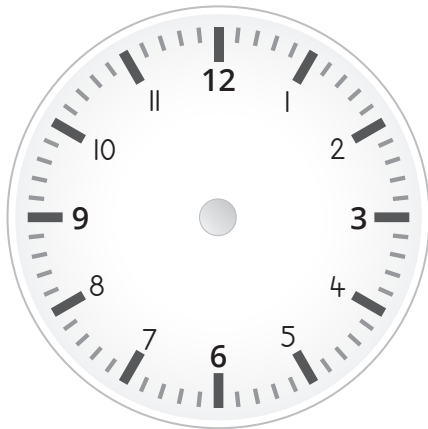


2 Show the times on the clock faces:

Komba mikarhi ewachini:

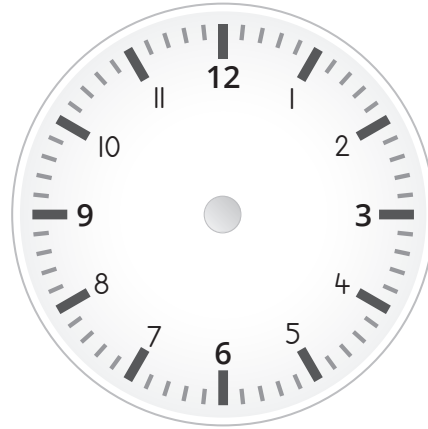
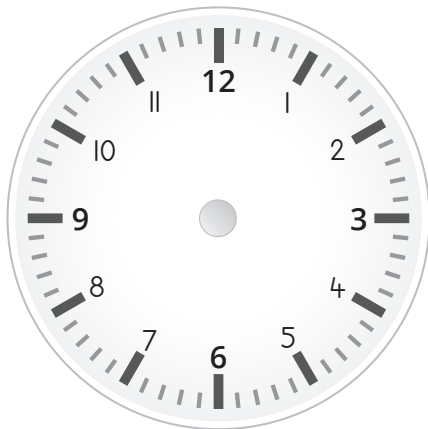
a Ten o'clock
Awara ya khume

b Quarter to twelve
Kotara ku nga si ba awara ya khumembirhi



c Nine minutes to one
Kaye wa timinete ku nga si ba awara yan'we.

d 17:35



HOMEWORK NTIRHOKAYA

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

I nkarhi muni? Tsala nkarhi hi marito.

a



b

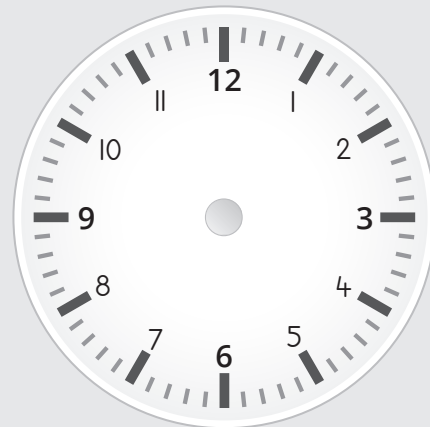


2 Show the times on the clock faces:

Komba mikarhi ewachini:

a 9 minutes past 1
wa timinete ku bile awara ya

b Quarter to three
Kotara ku nga si ba
awara ya nharhu



c Four minutes past five
Mune wa timinete ku bile awara
ya ntlhanu

d 15 minutes to 5
wa timinete ku nga si
ba awara ya



Term 2 Lesson 28

Theme ya 2 Dyondzontsongo ya 28

Time passed

Nkarhi lowu hundzeke

CLASSWORK NTIRHO WA LE TLILASINI

1 Write these times in digital time:

2. Tsala mikarhi leyi hi matsalelo ya nkarhi wa dijitali:

a Half past eight.

Hafu ku bile awara ya nhungu.

b Quarter to six.

Kotara ku nga si ba awara ya tsevu.

c Quarter to 9.

Kotara ku nga si ba awara ya 9.

d Quarter past 2.

Kotara ku bile awara ya 2

e Half past four.

Hafu ku bile awara ya mune.

2 Write these times in analogue time

Tsala mikarhi leyi hi matsalelo ya nkarhi wa anologo:

a 05:15 _____

b 02:45 _____

c 12:15 _____

d 07:30 _____

3 How many minutes in one hour?

Xana awara yi na timinete tingani? _____

4 How many hours in one day?

Xana siku ri na tiawara tingani? _____

5 How many days in one week?

Xana vhiki ri na masiku mangani? _____

6 How many months in one year?

Lembe ri na tin'hweti tingani? _____

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 suka ekaya hi 7:15 kutani u fika exikolweni hi 8:00. Xana Diksha u famba nkarhi wo tanihikwihi loko a ya exikolweni?

HOMEWORK NTIRHOKAYA

a How many minutes in 2 hours?

Xana tiawara ti2 ti na timinete tingani? _____

b How many hours in 2 days?

Xana masiku ma2 ma na tiawara tingani? _____

c How many days in 2 weeks?

Xana mavhiki ma2 ma na masiku mangani? _____

d How many months in 2 years?

Xana malembe ma2 ma na tin'hweti tingani? _____

Term 2 Lesson 29

Theme ya 2 Dyondzontsongo ya 29

Calendars/Tikhalendara

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 NTIRHO WA LE TLILASINI

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

Khalara tiholideyi ta Afrika-Dzonga ta rixaka ni ta vukhongi eka khalendara ya 2020.

South African public holidays calendar Khalendara ya Afrika-Dzonga ya tiholideyi ta rixaka	
New Year's Day Siku ro sungula ra lembe	Tuesday 1 January Ravumbirhi 1 Sunguti
Human Rights Day Siku ra Timfanelo ta Vanhu	Thursday 21 March Ravumune 21 Nyenyenyana
Good Friday Siku ra Paseka	Friday 19 April Ravuntlhanu 19 Dzivamisoko
Family Day Siku ra Mindyangu	Monday 22 April Musumbhunuku 22 Dzivamisoko
Freedom Day Siku ra Ntshunxeko	Saturday 27 April Mugqivela 27 Dzivamisoko
Workers' Day Siku ra Vatirhi	Wednesday 1 May Ravunharhu 1 Mudyaxihi
Youth Day Siku ra Vantshwa	Sunday 16 June Sonto 16 Khotavuxika
Women's Day Siku ra Vavasati	Friday 9 August Ravuntlhanu 9 Mhawuri
Heritage Day Siku ra Ndzhaka	Tuesday 24 September Ravumbirhi 24 Ndzhati
Day of Reconciliation Siku ra Ndzivalelano	Monday 16 December Musumbhunuku 16 N'wendzambahala
Christmas Day Siku ra Khisimusi	Wednesday 25 December Ravunharhu 25 N'wendzambahala
Day of Goodwill Siku ra Swilo Leswinene	Thursday 26 December Ravumune 26 N'wendzambahala

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

Khalara buloko ya n'hweti leyi u yi rhandzaka hi xitshopana.

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

Xana i nkarhi wo tanihikwihi kusuka eka Siku ro sungula ra lembe kufika eka Siku ra Ntshunxeko?

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

Xana i nkarhi wo tanihikwihi kusuka eka Siku ra Vantshwa kufika eka Siku ra Ndzhaka?

HOMEWORK NTIRHOKAYA

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

Khalara masiku ya ku velekiwa ya vandyangu eka khalendara leyi u yi tirhiselaka ntirho wa wena wa le tllasini.

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

I tin'hweti tingani ta lembe leti ku nga riki na masiku ya ku velekiwa ya vandyangu? Tsala mavito ya tona.

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

I nkarhi wo fikela kwihi kusuka eka siku ra wena ra ku velekiwa kufikela eka siku ra ku velekiwa ra un'wana wa vandyangu wa ka n'wina?

Term 2 Lesson 30

Theme ya 2 Dyondzontsongo ya 30

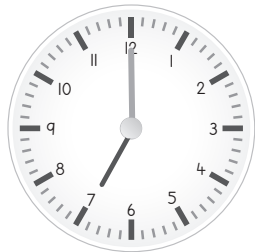
Consolidation

Nkatsakanyo

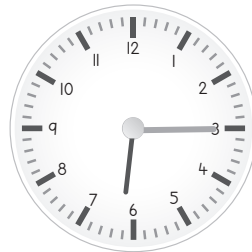
1 What is the time?

Inkarhi muni?

a



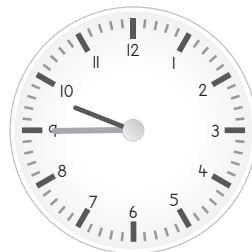
b



c



d



2 Write as on a digital clock.

Tsala ku fana na le ka wachi ya dijitali.

a Quarter past two.

Kotara ku bile awara ya mbirhi.

b Quarter to nine.

Kotara ku nga si ba awara ya kaye.

- c Half past nine.
Hafu ku bile awara ya kaye. _____
- d Seven o' clock.
Awara ya nkombo ehenhla ka nhloko. _____
- 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?
Ndzi suke ekaya hi awara ya nkombo nimixo kutani ndzi vuye exikolweni hi awara ya nharhu. Xana ndzi hete tiawara tingani ndzi nga ri kona ekaya?

- 4 Look at the calendar for this month.
Languta khalendara ya n'hweti leyi.
- a What month is it?
I n'hweti yih? _____
- b How many Thursdays are there in this month?
Xana i mangani masiku ya Ravumune eka n'hweti leyi? _____
- c What is the date one week before the sixteenth of this month?
Ku ta va ku ri tingani loko ku sale vhiki rin'we leswaku ku fika siku ra vukhumetsevu ra n'hweti leyi?

- d On what day is the last day of this month?
Xana siku ro hetelela ra n'hweti leyi i wavungani? _____
- e What will the date be one week after the twenty eighth of this month?
Xana ku ta va ku ri tingani loko siku ra makumembirhinhungu ra n'hweti leyi se ri hundze hi vhiki?

Term 2 Lesson 31

Theme ya 2 Dyondzontsongo ya 31

Assessment

Makambelelo

Term 2 Lesson 32

Theme ya 2 Dyondzontsongo ya 32

Circles

Swirhendzevutana

CLASSWORK NTIRHO WA LE TLILASINI

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

Dirowa swirhendzevutana swa tisayizi ti3 to hambana etafuleni leri nga laha hansi.

Small circle Xirhendzevutana lexitsongo	Bigger circle Xirhendzevutana lexikulu	Biggest circle Xirhendzevutana lexikulu eka hinkwaswo

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

Dirowa swirhendzevutana swa mayimelo yo hambana etafuleni leri nga la hansi.

Circle at the top Xirhendzevutana ehenhla.	Circle in the middle Xirhendzevutana exikarhi	Circle at the bottom Xirhendzevutana ehansi

3 Use 6 circles to create a picture.

Tirhisa swirhendzevutana swa 6 ku endla xifaniso.

HOMEWORK NTIRHOKAYA

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

Lava michumu yi3 ya xirhendzevutana ekaya ka n'wina ivi u yi dirowa.

Term 2 Lesson 33

Theme ya 2 Dyondzontsongo ya 33

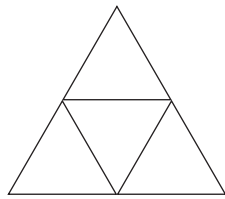
Triangles

Tinhlanharhu

CLASSWORK NTIRHO WA LE TLILASINI

- 1 Use 2 square pieces of paper. Fold each one twice to make a square and a triangle.
Tirhisa maphepha ma2 ya swikwere. Petsa rin'wana na rin'wana kambirhi leswaku ri endla xikwere na yinhlanharhu.
- 2 Stick them in your maths book and label them.
Swi namarhete ebukwini ya wena ya matematiki ivi u swi tsala mavito.
- 3 Work in pairs. How many shapes do you see? Count very carefully.
Tirha hi tiphere. Xana u vona swivumbeko swingani? Hlayela hi vukheta.

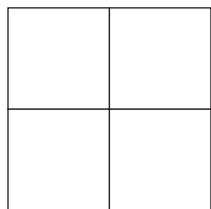
a



There are _____ triangles.

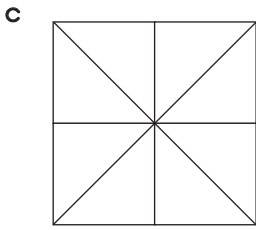
Ku na _____ wa tinhlanharhu.

b



There are _____ squares.

Ku na _____ wa swikwere.



There are _____ squares, _____ triangles and _____ rectangles.

Ku na _____ wa swikwere, _____ wa tinlanharhu na _____ wa tirhekuthengula.

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

Dirowa tinlanharhu ta ntlhanu. Hinkwato ti fanele ti hambana.

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

Lava tinlanharhu ta tisayizi to hambana eka timagazini kumbe maphephahungu kutani u ti tsema. Ti namarhete ebukwini ya wena, ti yima ku hambana.

- a How many sides does each triangle have?

Xana yinlanharhu yin'wana na yin'wana yi na matlhelo mangani? _____

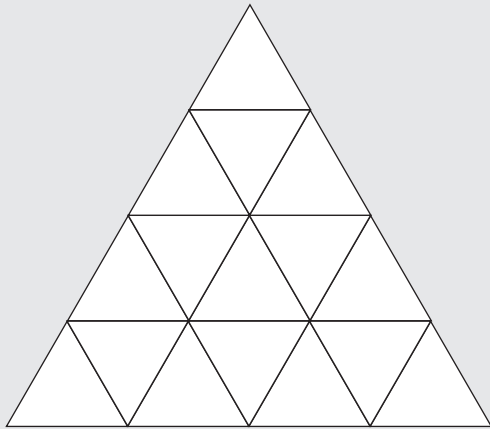
- b Are the sides straight or round?

Xana matlhelo ya yona ma olokokile kumbe ma rhendzeleka? _____

HOMEWORK NTIRHOKAYA

How many triangles are there in this picture?

Xana ku na tinhlalharhu tingani exifanisweni lexi? _____



3 Draw three squares:

Dirowa swikwere swinharhu.

a A square with 4 cm sides.

Xikwere xa matlhelo ya 4 cm.

b A square with 7 cm sides.

Xikwere xa matlhelo ya 7 cm.

- c A square with 10 cm sides.
Xikwere xa matlhelo ya 10 cm.

HOMEWORK NTIRHOKAYA

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

Lava michumu yi3 ya xikwere ekaya kutani u yi dirowa.

Term 2 Lesson 35

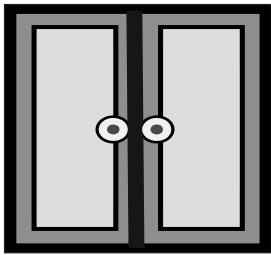
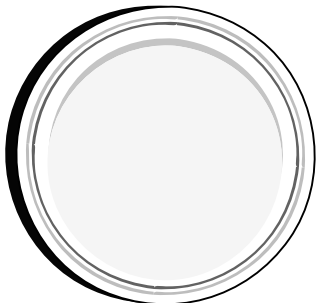
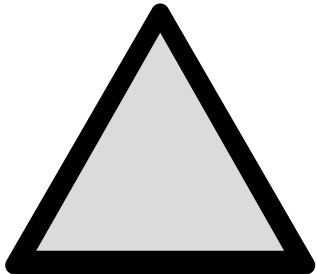
Theme ya 2 Dyondzontsongo ya 35

Consolidation

Nkatsakanyo

I Complete the table:

Hetisa tafula leri:

	Object Nchumu	Drawing of shape Xivumbeko xo dirowiwa	Name of shape Vito ra xivumbeko
a			
b			
c			

2 Draw a car using triangles, circles and squares.

Dirowa movha hi tinhlanharhu, swirhendzevutana na swikwere.

Term 2 Lesson 36

Theme ya 2 Dyondzontsongo ya 36

Rectangles

Tirhekuthengula

CLASSWORK NTIRHO WA LE TLILASINI

Draw the following:

Dirowa lexi landzelaka:

- 1 A rectangle 5 cm wide and 7 cm long in the middle of your page.
Rhekuthengula yo anama 5 cm ivi yi leha 7 cm exikarhi ka pheji ra wena.
- 2 Draw a triangle on the left of the rectangle.
Dirowa yinhlantarhu eximatsini xa rhekuthengula.
- 3 Draw a 4 cm square on the right of the rectangle.
Dirowa xikwere xa 4 cm exinenehi xa rhekuthengula.
- 4 Draw circle below the rectangle.
Dirowa xirhendzevutana ehansi ka rhekuthengula.

HOMEWORK NTIRHOKAYA

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

Dirowa xifaniso xa munhu hi tirhekuthengula, swikwere, swirhendzevutana na tinhlalharhu.

Term 2 Lesson 37

Theme ya 2 Dyondzontsongo ya 37

Assessment

Makambelelo

Term 2 Lesson 38

Theme ya 2 Dyondzontsongo ya 38

Sort and Compare 2-D shapes

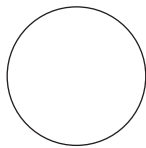
Veketela Swifaniso swa Matlhelo Ma2 na ku swi Pimanisa

CLASSWORK NTIRHO WA LE TLILASINI

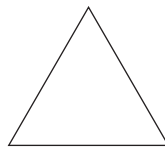
1 Say if the following shapes have round or straight sides:

Vula loko swivumbeko leswi landzelaka swi ri na matlhelo yo rhendzeleka kumbe yo ololoka.

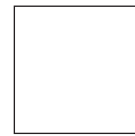
a



b



c



2 Draw three shapes in each block below:

Dirowa swivumbeko swinharhu eka buloko yin'wana na yin'wana laha hansi:

Shapes with straight sides Swivumbeko swa matlhelo yo ololoka	Shapes with round sides Swivumbeko swa matlhelo yo rhendzeleka	Shapes with straight and round sides Swivumbeko swa matlhelo yo ololoka na yo rhendzeleka

HOMEWORK NTIRHOKAYA

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

Dirowa xifaniso xa yindlu. Tirhisa swirhendzevutana, swikwere, tirhekuthengula na tinhlanharhu.

Term 2 Lesson 39

Theme ya 2 Dyondzontsongo ya 39

Consolidation of 2-D shapes

Nkatsakanyo wa swivumbeko swa matlhelo ma2

CLASSWORK NTIRHO WA LE TLILASINI

- 1 Draw a triangle. Draw three more triangles, but in different positions.
Dirowa yinlanharhu. Dirowa tinlanharhu tin'wana tinharhu, kambe hi swiyimo swo hambana.

- 2 Are the sides of the triangle round or straight?
Xana matlhelo ya yinlanharhu ma rhendzeleka kumbe ma ololokile?

- 3 Draw a rectangle. Draw three more rectangles, but in different positions.
Dirowa rhekuthengula. Dirowa tirhekuthengula tin'wana tinharhu, ta mayimelo yo hambana.

4 Are the sides of the rectangle round or straight?

Xana matlhlelo ya rhekuthengula ma rhendzeleka kumbe ma ololokile?

5 Draw three circles of different size.

Dirowa swirhendzevutana swinharhu swa tisayizi to hambana.

6 Are the sides of the circle round or straight?

Xana matlhelo ya xirhendzevutana lexi ma rhendzeleka kumbe ma ololokile?

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

Lava swikwere swa tisayizi to hambana eka magazini kutani u swi tsema. Swi namarhete ebukwini ya wena, hinkwaswo swi yima ku hambana.

- a** How many sides does each one have?

Xana xin'wana na xin'wana xi na matlhelo mangani? _____

- b** Are they straight or round?

Xana ma rhendzeleka kumbe ma ololokile? _____

HOMEWORK NTIRHOKAYA

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

Dirowa xifaniso xa murhi. U nga tirhisa swivumbeko swa matlhelo yo ololoka na yo rhendzeleka.

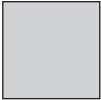

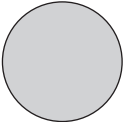
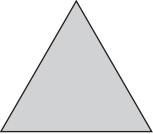
Term 2 Lesson 40

Theme ya 2 Dyondzontsongo ya 40

Consolidation

Nkatsakanyo

Complete the following table:
Hetisa tafula leri leri landzelaka:

Shape Xivumbeko	Different size Sayizi yo hambana	Different position Xiyimo xo hambana	Different colour Muhlovo wo hambana
			
			
			
			

Term 2 Lesson 41

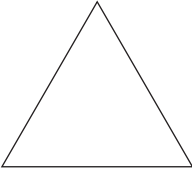
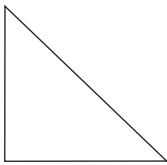
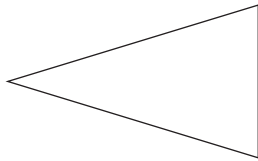
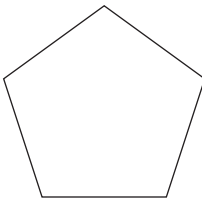
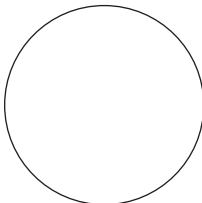
Theme ya 2 Dyondzontsongo ya 41

Symmetry Part I

Ndzinganiso Xiyenge I

CLASSWORK NTIRHO WA LE TLILASINI

Complete the table:
Hetisa tafula leri:

Shape Xivumbeko	Lines of symmetry Mindzhati ya ndzinganiso	
	We predict Ha vhubha	We found Hi kume
		
		
		
		
		

HOMEWORK NTIRHOKAYA

1 Draw a square.

Dirowa xikwere.

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

Dirowa xifaniso endzeni ka xikwere kambe matlhelo ya xikwere ma sala ma ha ringana.

Term 2 Lesson 4.2

Theme ya 2 Dyondzontsongo ya 4.2

Symmetry Part 2

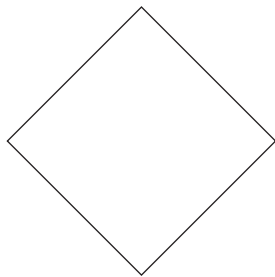
Ndzinganiso Xiyenge 2

CLASSWORK NTIRHO WA LE TLILASINI

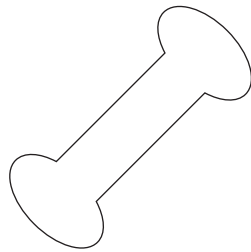
Draw the lines of symmetry into the following shapes:

Dirowa mindzhati ya ndzinganiso eka swivumbeko leswi landzelaka:

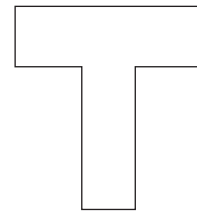
a



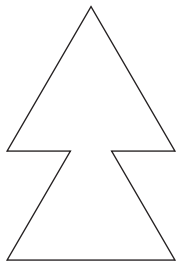
b



c



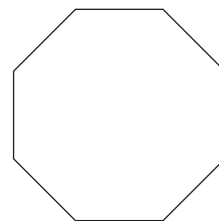
d



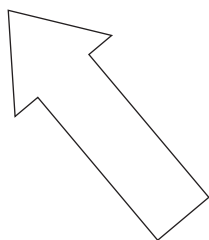
e



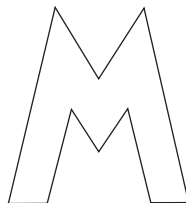
f



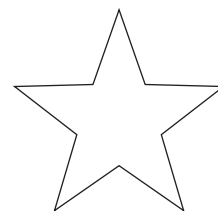
g



h

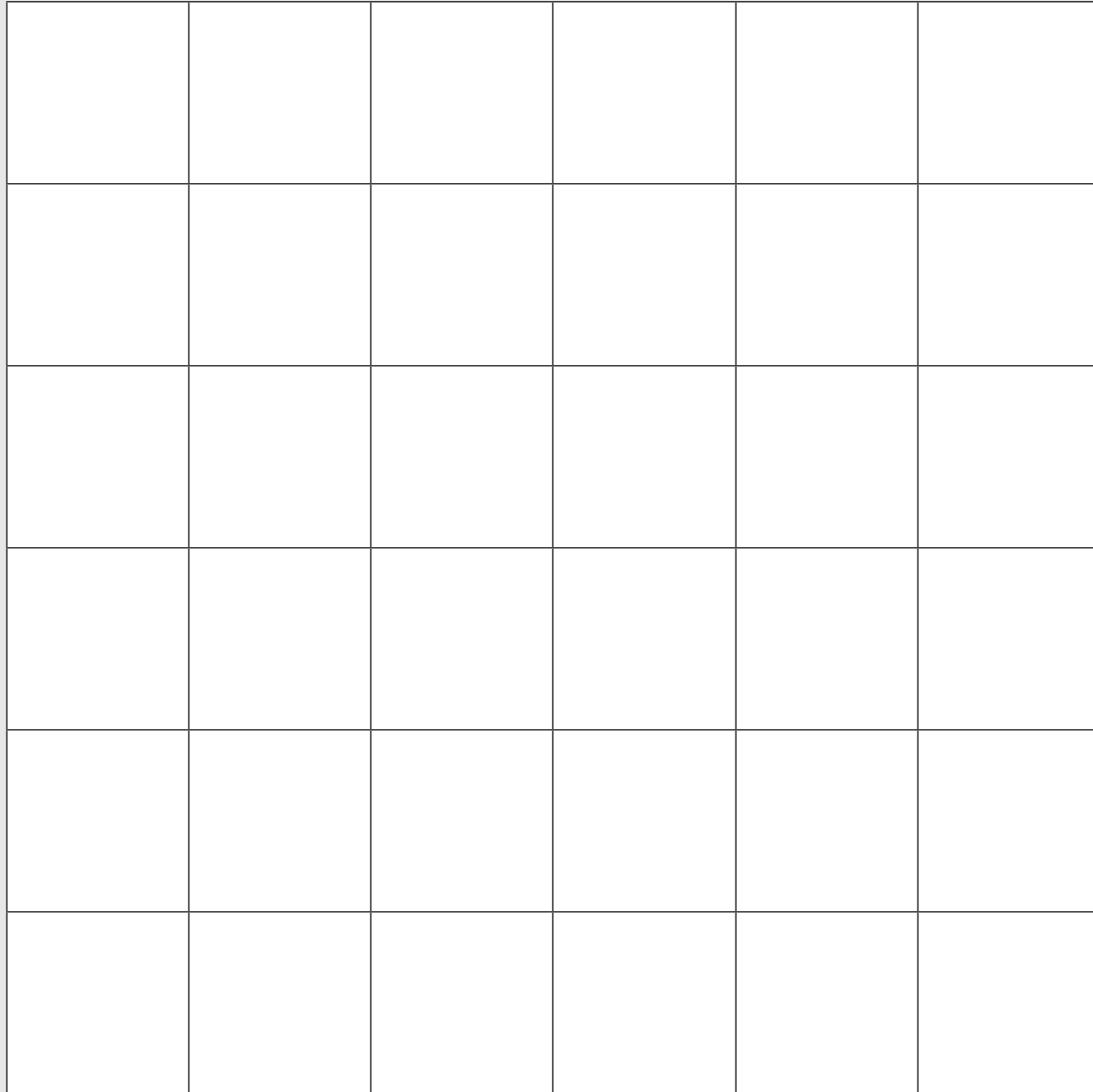


i



HOMEWORK NTIRHOKAYA

- 1 Draw a symmetrical pattern in this grid.
Dirowa patironi ya ndzinganiso eka giridi leyi.



- 2 How many lines of symmetry in your pattern?
Xana ku na mindzhati yingani ya ndzinganiso eka patironi ya wena?

Term 2 Lesson 43

Theme ya 2 Dyondzontsongo ya 43

Assessment

Makambelelo

Term 2 Lesson 44

Theme ya 2 Dyondzontsongo ya 44

Geometric patterns

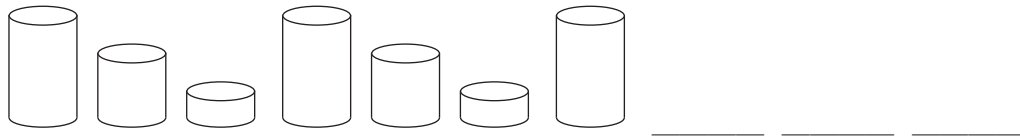
Tipatironi ta xijometiri

CLASSWORK NTIRHO WA LE TLILASINI

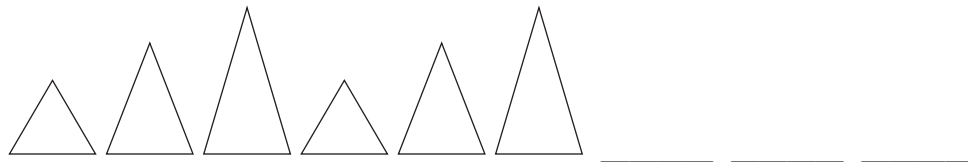
Copy and extend these patterns.

Kopunula u tlhela u ndlandlamuxa tipatironi leti.

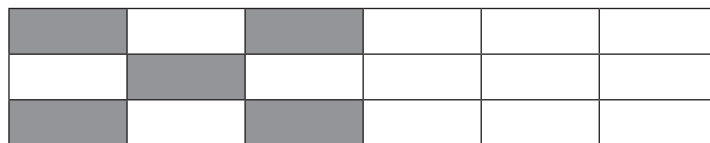
1



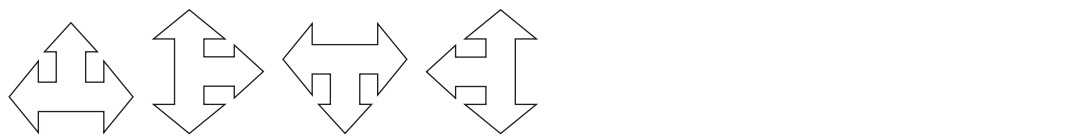
2



3



4



HOMEWORK NTIRHOKAYA

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

Kuma michumu yi3 yo hambana (yi famba hi mimbirhimbirhi) ekhixini ra ka n'wina, tanihi tinghilazi, tipuleti na tibowuli.

- 2 Use your objects to make a pattern.

Tirhisa michumu ya wena ku endla patironi.

- 3 Draw and extend your pattern in your book.

Dirowa u tlhela u ndlandlamuxa patironi ebukwini ya wena.

Term 2 Lesson 45

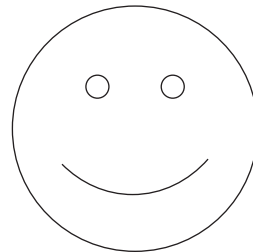
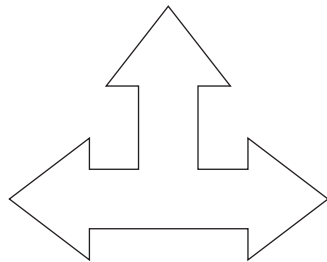
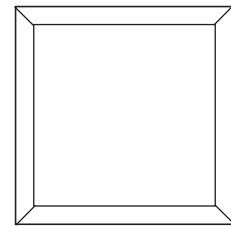
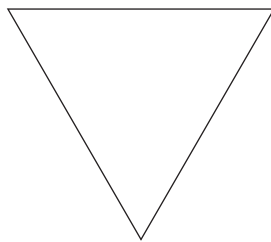
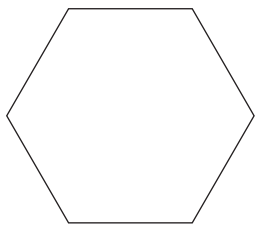
Theme ya 2 Dyondzontsongo ya 45

Consolidation

Nkatsakanyo

1 Draw in lines of symmetry in the following shapes:

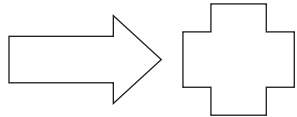
Dirowa mindzhati ya ndzinganiso eka swivumbeko leswi landzelaka:



2 Copy and extend the following geometric patterns.

Kopunula u tlhela u ndlandlamuxa tipatironi leti ta xijometiri.

a



b



Term 2 Lesson 4b

Theme ya 2 Dyondzontsongo ya 4b

Geometric patterns around us

Tipatironi ta xijometiri laha hi nga kona

CLASSWORK NTIRHO WA LE TLILASINI

- 1 Draw the pattern that your group made with the cups.
Dirowa patironi leyi ntlawa wa n'wina wu yi endleke hi tikhapu.

- 2 Describe the pattern.
Hlamusela patironi.

-
- 3 Draw the pattern that your group made with the spoons.
Dirowa patironi leyi ntlawa wa wena wu yi endleke hi malepula.

- 4 Describe your pattern.
Hlamusela patironi ya wena.
-

5 Design your own pattern, using triangles.

Tiendlele patironi, u tirhisa tinhlantarhu.

6 Describe the pattern.

Hlamusela patironi.

HOMEWORK NTIRHOKAYA

Design a colourful and beautiful pattern.

Endla patironi ya mihlovohlovo yi tlhela yi saseka.

a You may use any shapes and colours.

U nga tirhisa swivumbeko na mihlovo yin'wana na yin'wana.

b Remember to extend the pattern you started with.

Tsundzuka ku ndlandlamuxa patironi leyi u sunguleke ha yona.

c You may use more than one pattern in your design.

U nga tirhisa tipatironi to tala loko u yi endla.

Term 2 Lesson 47

Theme ya 2 Dyondzontsongo ya 47

Creating geometric patterns

Ku endla tipatironi ta xijometiri

CLASSWORK NTIRHO WA LE TLILASINI

1 Draw a geometric pattern and describe your pattern:

Dirowa patironi ya xijometiri kutani u yi hlamusela:

a Use triangles.

Tirhisa tinhlanharhu.

b Use squares.

Tirhisa swikwere.

c Use circles.

Tirhisa swirhendzevutana.

- 2 Draw a geometric pattern using triangles, squares and circles.
Dirowa patironi ya xijometiri u tirhisa tinlanharhu, swikwere na swirhendzevutana.
- 3 Describe your pattern.
Hlamusela patironi ya wena.

HOMEWORK NTIRHOKAYA

- 1 Draw a geometric pattern and describe it.
Dirowa patironi ya xijometiri kutani u yi hlamusela.
- a Use rectangles.
Tirhisa tirhekuthengula.
-
- b Use triangles and circles.
Tirhisa tinlanharhu na swirhendzevutana.
-

Term 2 Lesson 48

Theme ya 2 Dyondzontsongo ya 48

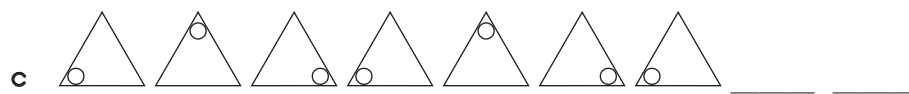
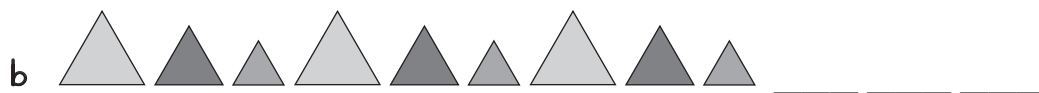
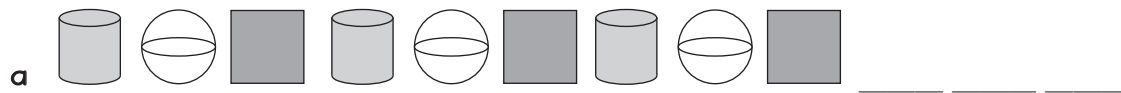
Exploring geometric patterns

Ku twisa hi vuenti tipatironi ta xijometiri

CLASSWORK NTIRHO WA LE TLILASINI

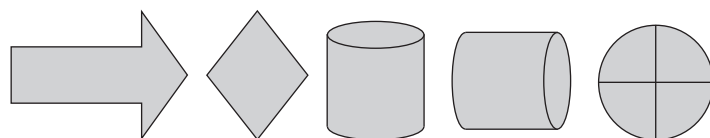
1 Extend the patterns:

Ndlandlamuxa tipatironi leti:



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

Tirhisa xihhi na xihhi eka swivumbeko leswi leswaku u endla tipatironi timbirhi to hambana. Hlamusela tipatironi ta wena.



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

A swi bohi leswaku u tirhisa swivumbeko hinkwaswo eka tipatironi ta wena timbirhi.

Pattern 1:
Patironi yo 1:

Pattern 2:
Patironi ya vu2:

HOMEWORK NTIRHOKAYA

1 Design and draw your own pattern using circles, squares and triangles.
Tiendlele u tlhela u tidirowela patironi u tirhisa swirhendzevutana, swikwere na tinhlanharhu.

2 Describe the pattern.
Hlamusela patironi.

Term 2 Lesson 49

Theme ya 2 Dyondzontsongo ya 49

Assessment

Makambelelo

Term 2 Lesson 50

Theme ya 2 Dyondzontsongo ya 50

Consolidation

Nkatsakanyo

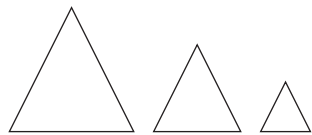
- 1 Extend the following pattern:

Ndlandlamuxa patironi leji landzelaka:



- 2 Describe this pattern.

Hlamusela patironi leji.



- 3 Create a pattern using circles that increase in size

Endla patironi u tirhisa swirhendzevutana leswi kulaka hi sayizi.

- 4 Create a pattern with 3 squares. The squares should decrease in size.

Endla patironi hi swikwere swi3. Swikwere swi fanele swi tsongahala hi sayizi.

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

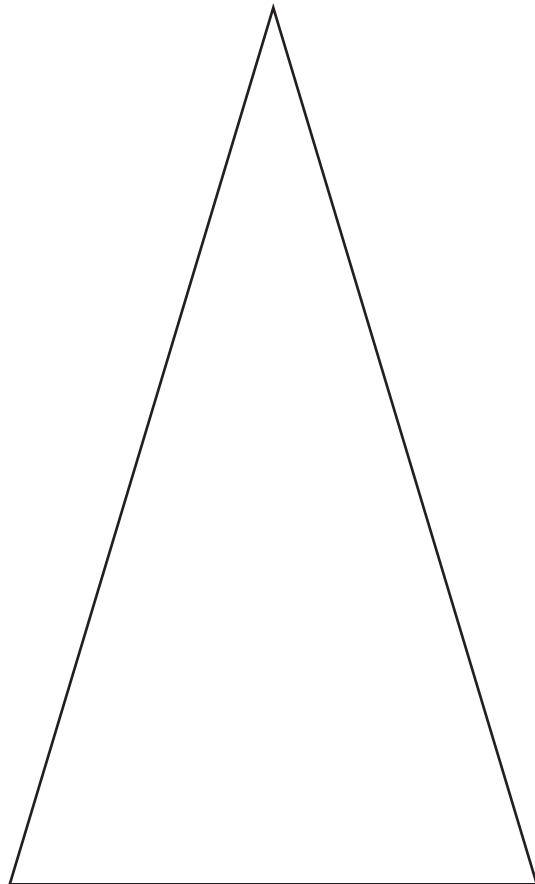
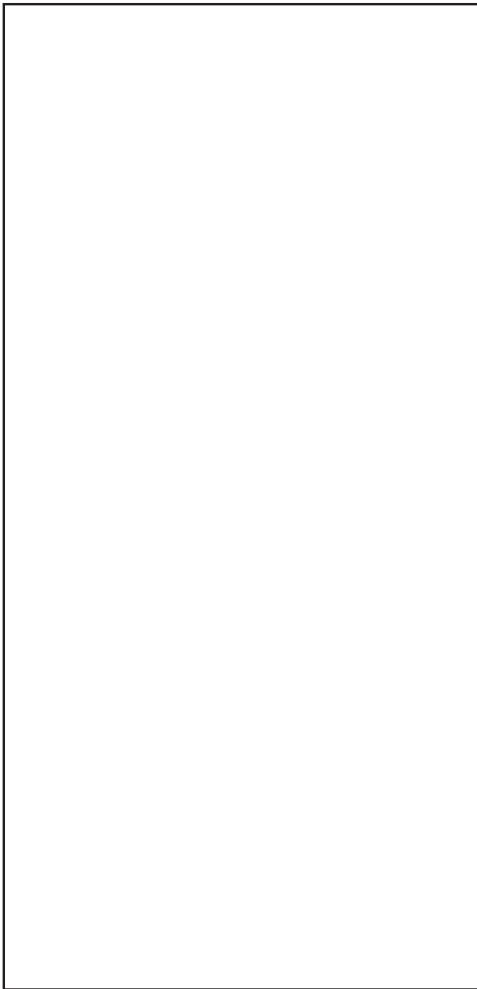
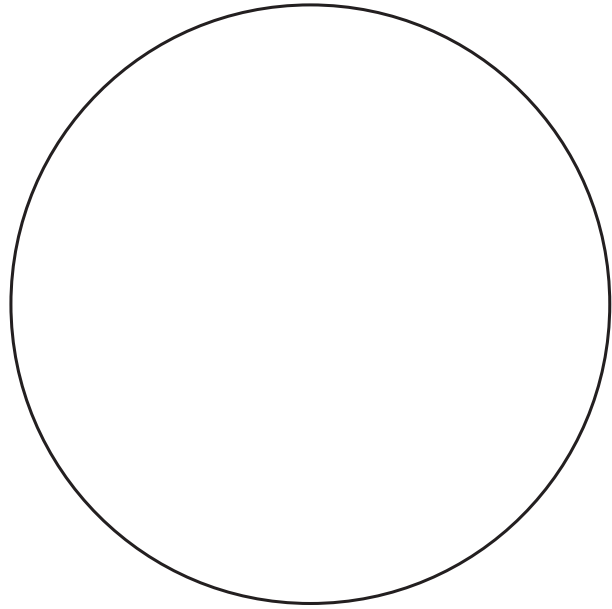
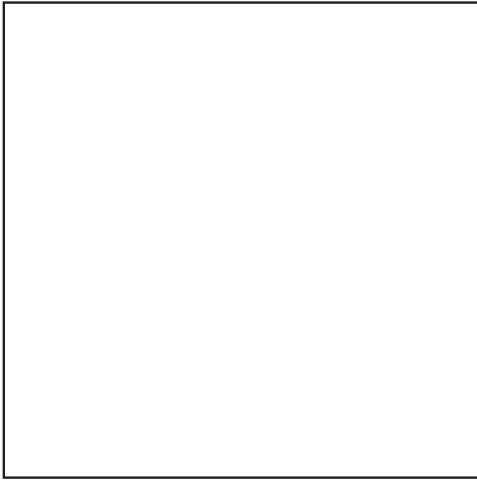
Array diagram (lesson 2 and other)

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	●	●	●	●	●	●	●	●	●	●

Shape cut outs (I) (lesson 38)

Swivumbeko swo tsemiwa (I) (dyondzontsongo ya 38)



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

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

