

MATHEMATICS

Grade 3

**English/
IsiZulu**

**Teacher's
Resource
Pack**

2019 TERM 2

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I Printable Resources

Printable resource sheets

This is a list of the mathematical resources that you will need this term. You need to make sure that you have them for the lessons for which they are recommended.

1	Multiplication table (lesson 1 and other)	2
	Ithebula lokuphindaphinda (isifundo 1 kanye nezinye)	2
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RESOURCES FOR EACH DAY OF TEACHING

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

I Multiplication table (lesson I and other)

Ithebula lokuphindaphinda (isifundo I kanye nezinye)

	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

4 Multiplication cards/Amakhadi okuphindaphinda (lesson 1 and other/isifundo 1 kanye nezinye)

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

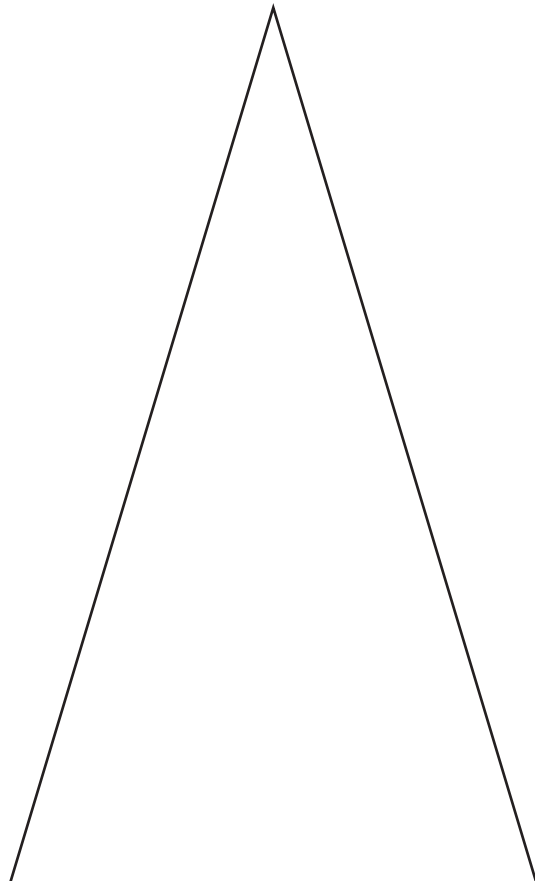
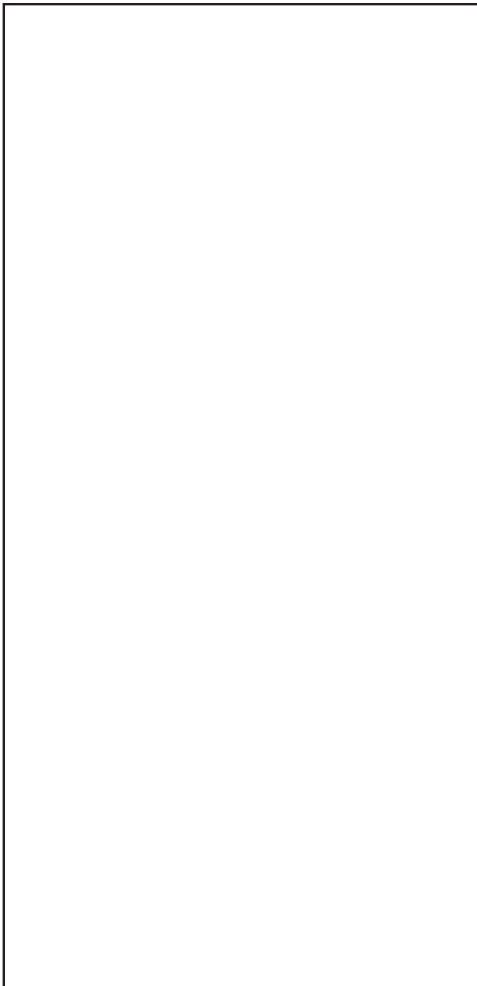
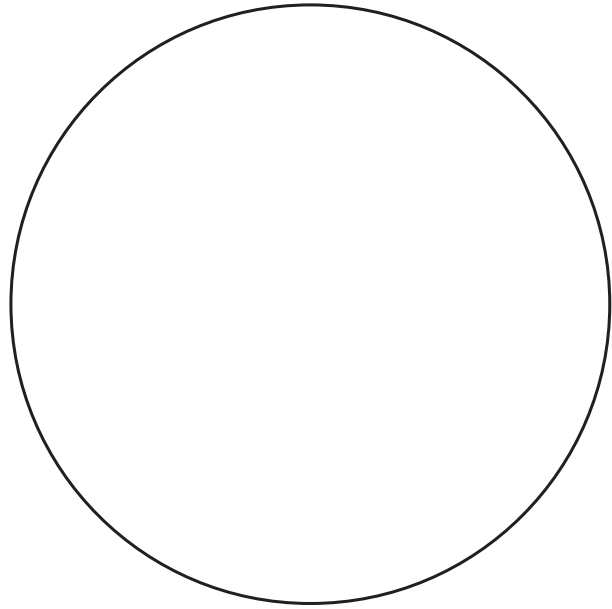
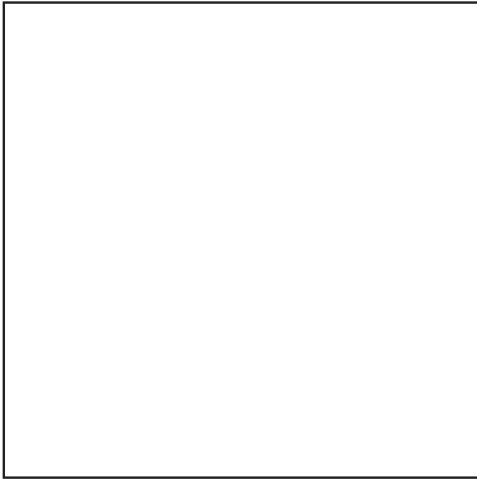
5 Array diagram (lesson 2 and other)

Ishadi lohlelonina (isifundo 2 kanye nezinye)

Array diagram for multiplication table Ishadi lohlelonina lethebula lokuphindaphinda										
	1	2	3	4	5	6	7	8	9	10
1	●	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●	●
5	●	●	●	●	●	●	●	●	●	●
6	●	●	●	●	●	●	●	●	●	●
7	●	●	●	●	●	●	●	●	●	●
8	●	●	●	●	●	●	●	●	●	●
9	●	●	●	●	●	●	●	●	●	●
10	●	●	●	●	●	●	●	●	●	●

6 Shape cut outs (I) (lesson 38)

Amaphepha asikiwe emifanekiso (I) (isifundo 38)



7 Shape name cards (lesson 38 and 39)

rectangle

triangle

circle

square

8 Amakhadi amagama emifanekiso (isifundo 38 no-39)

unxande

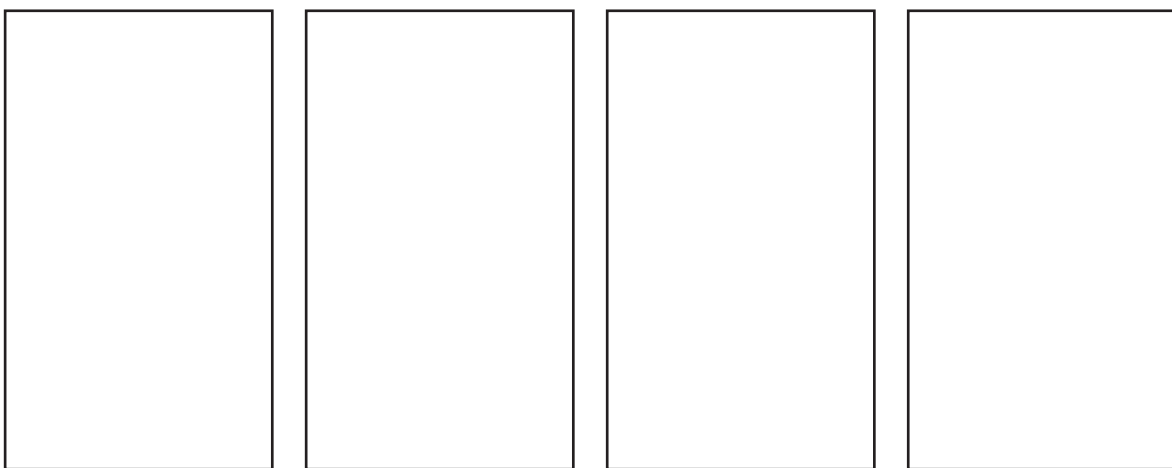
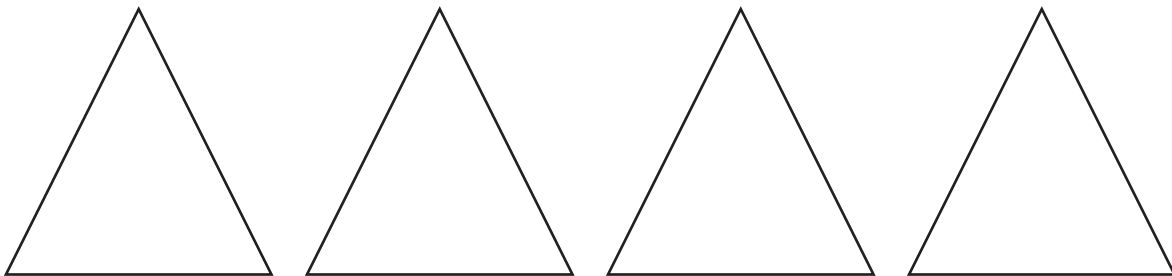
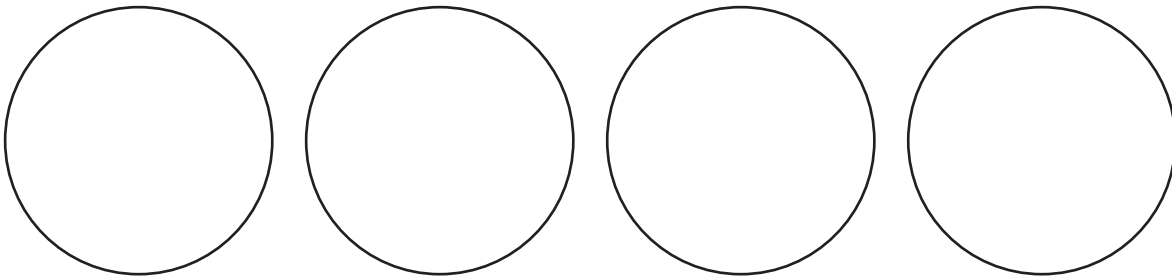
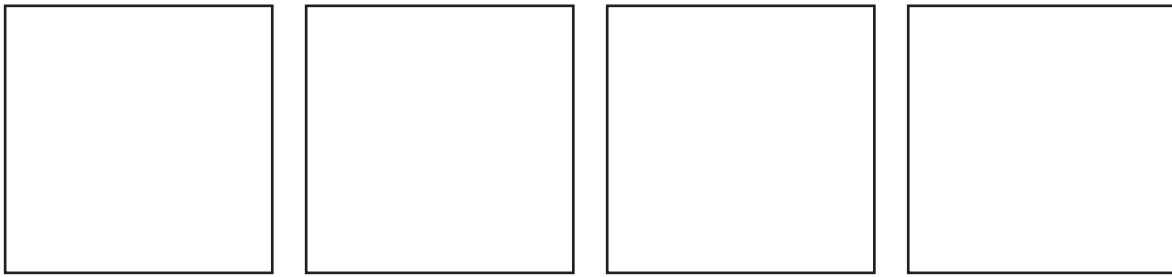
unxantathu

indilinga

isikwele

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

Amaphepha asikiwe emifanekiso (2) (isifundo
39, 44, 47)



2 Written assessments

Written Assessment Lesson 8

Ukuhlola Okubhalwayo Isifundo 8

1 Complete the table:

Qedela ithebula:

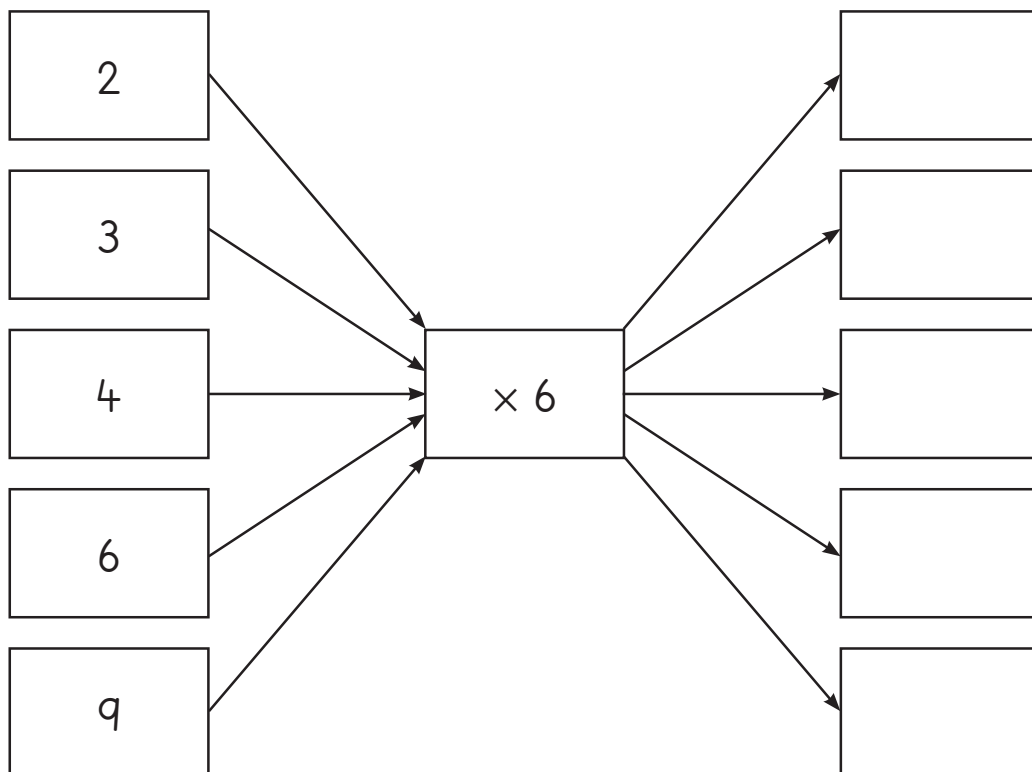
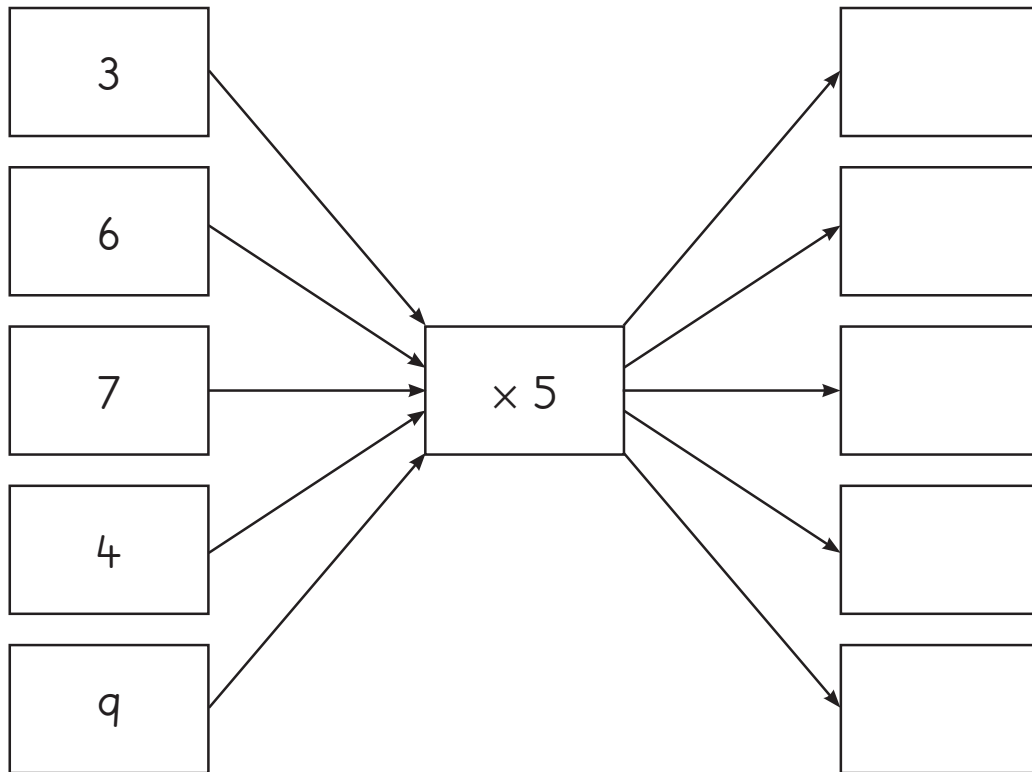
(17)

	Multiplication Ukuphindaphinda	Repeated addition Ukuhlanganisa ngokuphindelela	Answer Impendulo
a	4×5	$5 + 5 + 5 + 5$	
b	3×6		
c		$7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7$	
d	2×6		
e		$7 + 7 + 7$	
f	7×5		
g		$6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6$	
h	8×7		
i		$5 + 5 + 5 + 5 + 5 + 5$	

2 Complete the flow diagrams:

Qedela amashadi okulandelanayo:

(10)



Written Assessment Lesson 16

Ukuhlola Okubhalwayo Isifundo 16

1 Write the number sentences with answers:

Bhala imishonombolo enezimpendulo:

(5)

		Number sentence Umushonombolo																																										
a	<table border="1"> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> </tr> <tr> <td>1</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>2</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>3</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> </table>		1	2	3	4	5	6	7	8	9	1	●	●	●	●	●	●	●	●	●	2	●	●	●	●	●	●	●	●	●	3	●	●	●	●	●	●	●	●	●			
		1	2	3	4	5	6	7	8	9																																		
	1	●	●	●	●	●	●	●	●	●																																		
	2	●	●	●	●	●	●	●	●	●																																		
3	●	●	●	●	●	●	●	●	●																																			
b	<table border="1"> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>1</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>2</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>3</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>4</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>5</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> </table>		1	2	3	4	5	6	1	●	●	●	●	●	●	2	●	●	●	●	●	●	3	●	●	●	●	●	●	4	●	●	●	●	●	●	5	●	●	●	●	●	●	
		1	2	3	4	5	6																																					
	1	●	●	●	●	●	●																																					
	2	●	●	●	●	●	●																																					
	3	●	●	●	●	●	●																																					
	4	●	●	●	●	●	●																																					
5	●	●	●	●	●	●																																						
c	<p>7 groups of 2 7 amaqembu oku-2</p>																																											
d	<p>3 groups of 8 3 amaqembu okuyi-8</p>																																											
e	<p>6 groups of 5 6 amaqembu oku-5</p>																																											

2 Write the number sentences with answers:

Bhala imishonombolo enezimpendulo:

(4)

	Repeated addition Ukuhlanganisa ngokuphindelela	Number sentence Umushonombolo
a	$7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 =$	
b	$3 + 3 + 3 + 3 + 3 =$	
c	$9 + 9 + 9 + 9 + 9 + 9 =$	
d	$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 =$	

3 Calculate by doubling:

Bala ngokuphinda kabili:

(5)

	Multiple Isiphindaphindi	Double Okuphindwe kabili	Add Hlanganisa	Answer Impendulo
a	2×21	$20 + 1 + 20 + 1$	$40 + 2$	
b	2×36			
c	2×47			

4 Solve the problems.

Xazulula izinkinga.

(2 × 3 = 6)

a Silindile has 21 shells.

She finds another 21 shells.

How many shells does she have now?

USilindile unamagobolondo angama-21.

Wathola amanye amagobolondo angama-21.

Mangaki amagobolondo anawo manje?

b Lindo has 45 marbles.

He wins another 46 marbles.

How many marbles does he have now?

ULindo unezimabule ezingama-45.

Wawina ezinye izimabule ezingama-46.

Zingaki izimabule anazo manje?

Written Assessment Lesson 21

Ukuhlola Okubhalwayo Isifundo 21

1 Calculate:

Bala:

(8)

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

2 Complete the table:

Qedela ithebula:

(10)

		Repeated addition Ukuhlanganisa ngokuphindelela	Number sentence Umushonombolo
a	4 groups of 6 4 amaqembu okuyi-6		$4 \times 6 = 24$
b	2 groups of 4 2 amaqembu oku-4	$4 + 4$	
c		$10 + 10 + 10$	$3 \times 10 = 30$
d	5 groups of 7 5 amaqembu okuyi-7		
e	10 groups of 6 10 amaqembu okuyi-6	$6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6$	
f	4 groups of 9 4 amaqembu okuyi-9		$4 \times 9 = 36$
g		$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	
h	9 groups of 8 9 amaqembu okuyi-8	$8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8$	

Written Assessment Lesson 24

Ukuhlola Okubhalwayo Isifundo 24

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

Dweba umugqa phakathi kwemishonombolo enikeza impendulo efanayo: (8)

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

2 Use your multiplication table to find the missing numbers:

Sebenzisa ithebula lokuphindaphinda lakho ukuze uthole izinombolo ezingekho:

(6)

		Answer Ipendulo
a	$\square \times 5 = 35$	
c	$7 \times \square = 28$	
e	$\square \times 2 = 14$	

		Answer Ipendulo
b	$6 \times \square = 36$	
d	$\square \times 8 = 72$	
f	$5 \times \square = 30$	

3 Draw an array diagram to show:

Dweba ishadi lohlelonina ukuze ubonise:

(4)

	Multiple Isiphindaphindi	Array Uhlelonina
a	3×2	
b	2×3	
c	5×1	
d	1×5	

Written Assessment Lesson 31

Ukuhlola Okubhalwayo Isifundo 31

- 1 Write half past 7 in digital time.

Bhala ukugamanxa kwehora lesi-7 ngokwesikhathi sewashi lezinombolo.

(1)

- 2 Write quarter to 9 in digital time.

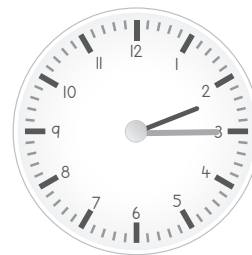
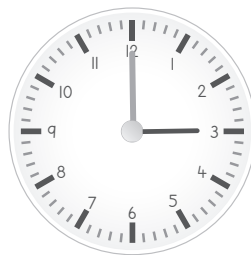
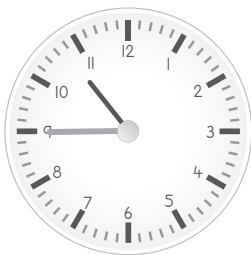
Bhala imizuzu eyi-15 ngaphambi kwehora lesi-9 ngokwesikhathi sewashi lezinombolo.

(1)

- 3 Circle the clock that shows quarter past two.

Kokelezela iwashi elibonisa imizuzu eyi-15 ngemva kwehora lesibili.

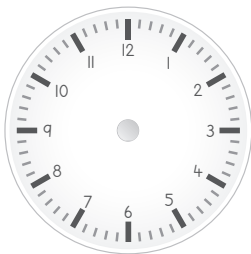
(1)



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

Dweba izinti zewashi lezinti elibonisa ukugamanxa kwehora lesi-3 ntambama.

(2)

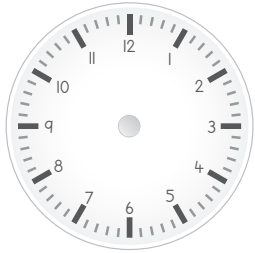


- 5 Show quarter to 10 on an analogue and a digital clock.

Bonisa imizuzu eyi-15 ngaphambi kwehora le-10 ewashini lezinti nelezinombolo.

(3)

a



b



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

Singakanani isikhathi esiphakathi kwehora lesi-2 ezimpondweni nokugamanxa kwehora lesine entambama?

(2)

Written Assessment Lesson 37

Ukuhlola Okubhalwayo Isifundo 37

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

Square, circle, rectangle, triangle

Kokelezela ukuthi yimiphi kule mifanekiso onezinhlangothi ezisandilinga.

Isikwele, indilinga, unxande, unxantathu

- 2 Draw 3 different size triangles in 3 different positions.

Dweba onxantathu aba-3 abanobukhulu obehlukene nokuma oku-3 okwehlukene. (3)

- 3 Draw a square that has 5 cm sides.

Dweba isikwele esinezinhlangothi ezine-5 cm. (3)

- 4 Draw a rectangle that is 6 cm long and 4 cm wide.
Dweba unxantathu onobude be-6 cm kanye nobubanzi obu-4 cm. (4)

- 5 A square, triangle, circle and rectangle are 2-D shapes. What does this mean?
Isikwele, unxantathu, indilinga kanye nonxande yimifanekiso ehlangothimbili.
Kusho ukuthini lokhu? (1)
-

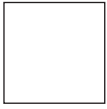
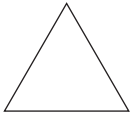

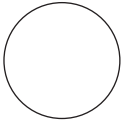
Written Assessment Lesson 43

Ukuhlola Okubhalwayo Isifundo 43

1 Complete this table.

Qedela leli thebula.

(12)

	Name of shape Igama lomfanekiso	Number of sides Inani lezinhlangothi	Round/straight? Kusandilinga/kuqondile?
a 			
b 			
c 			
d 			

2 Draw 3 triangles. Each one must look different.

Dweba onxantathu aba-3. Ngamunye kufanele abe nokubukeka okwehlukile. (3)

3 Draw the line of symmetry into the shape below:

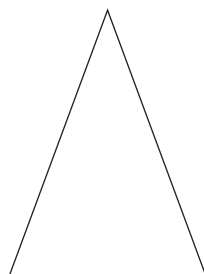
Dweba umugqa onqamula phakathi nendawo kumfanekiso ongezansi: (1)



4 Draw the line of symmetry in the triangle.

Dweba umugqa onqamula phakathi nendawo kunxantathu.

(1)



Written Assessment Lesson 49

Ukuhlola Okubhalwayo Isifundo 49

1 Draw the next shape in this pattern:

Dweba umfanekiso olandelayo kule phethini:

(1)



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

Dweba bese ukhulisa iphethini ngendlela ubungako bemifanekiso ekhula ngayo.

(3)

3 Make your own pattern using circles and squares.

Yenza eyakho iphethini usebenzise izindilinga kanye nezikwele.

(3)

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

Sebenzisa izikwele ezintathu ukuze udwebe iphethini. Ubukhulu bezikwele budinga ukushintsha ngendlela ehlelekile. Dweba iphethini izikhathi ezi-2.

(3)