Theme: Everyday Arithmetic (M-08-056) CODE B1	Theme: Everyday Arithmetic (M-08-057) CODE B5
Lesson Title: Personal Expenditure	Lesson Title: Income Tax
What is income ?	What are taxes?
1 minute	1 minute
Theme: Everyday Arithmetic (M-08-056) CODE B2	Theme: Everyday Arithmetic (M-08-057) CODE B6
Lesson Title: Personal Expenditure	Lesson Title: Income Tax
What is a personal expenditure?	Write down the formula for calculating income tax
	1 minute
	Timute
1 minute	T
Theme: Everyday Arithmetic (M-08-056) CODE B3	Theme: Everyday Arithmetic (M-08-057) CODE B7
Lesson Title: Personal Expenditure	Lesson Title: Income Tax
Write down the formula for calculating Percentage of income	Solve the following word problem:
	Martin's income is Le 14,500,000.00 per year. His income tax rate is 12%. How much income tax must he pay for one year?
	pay for one year:
	4 minutes
	4 minutes
1 minute	
Theme: Everyday Arithmetic (M-08-056) CODE B4	Theme: Everyday Arithmetic (M-08-058) CODE B8
Lesson Title: Personal Expenditure	Lesson Title: Sales Tax
Mohamed earns Le 8,000,000.00 each month. He spends Le	Define sales tax
400,000.00 each month on electricity. What percentage of his income does he spend on electricity?	
	1 minute
3 minutes	
3 minutes	

Theme: Everyday Arithmetic (M-08-058) CODE B9	Theme: Measurement and Estimation (M-08-061) CODE B13
Lesson Title: Sales Tax	Lesson Title: Perimeter and Area of Rectangles and Squares
Write down the formula for calculating sales tax	Define area and perimeter.
1 minute	1½ minutes
The second of th	The second of th
Theme: Everyday Arithmetic (M-08-059) CODE B10	Theme: Measurement and Estimation (M-08-061) CODE B14
Lesson Title: Time and Duration	Lesson Title: Perimeter and Area of Rectangles and Squares
Convert the following times to the 12-hour clock:	Write down the formulas for calculating the Perimeter and Area of:
1. 05:00 2. 16:00	a square a rectangle
2 minutes	2½ minutes
Theme: Everyday Arithmetic (M-08-059) CODE B11	Theme: Measurement and Estimation (M-08-061) CODE B15
Theme: Everyday Arithmetic (M-08-059) CODE B11 Lesson Title: Time and Duration	Theme: Measurement and Estimation (M-08-061) CODE B15 Lesson Title: Perimeter and Area of Rectangles and Squares
Lesson Title: Time and Duration	Lesson Title: Perimeter and Area of Rectangles and Squares
Lesson Title: Time and Duration Solve the following word problem: Fatu started working at 9:00 am. She worked for 3 hours and	Lesson Title: Perimeter and Area of Rectangles and Squares Find the perimeter and area of a square with sides of
Lesson Title: Time and Duration Solve the following word problem: Fatu started working at 9:00 am. She worked for 3 hours and	Lesson Title: Perimeter and Area of Rectangles and Squares Find the perimeter and area of a square with sides of
Lesson Title: Time and Duration Solve the following word problem: Fatu started working at 9:00 am. She worked for 3 hours and 30 minutes. At what time did she finish working? 2 minutes	Lesson Title: Perimeter and Area of Rectangles and Squares Find the perimeter and area of a square with sides of 14 cm.
Lesson Title: Time and Duration Solve the following word problem: Fatu started working at 9:00 am. She worked for 3 hours and 30 minutes. At what time did she finish working? 2 minutes Theme: Everyday Arithmetic (M-08-060) CODE B12	Lesson Title: Perimeter and Area of Rectangles and Squares Find the perimeter and area of a square with sides of 14 cm. 3½ minutes Theme: Measurement and Estimation (M-08-061) CODE B16
Lesson Title: Time and Duration Solve the following word problem: Fatu started working at 9:00 am. She worked for 3 hours and 30 minutes. At what time did she finish working? 2 minutes Theme: Everyday Arithmetic (M-08-060) CODE B12 Lesson Title: Classification of Decimal Numbers	Find the perimeter and area of a square with sides of 14 cm. 3½ minutes Theme: Measurement and Estimation (M-08-061) CODE B16 Lesson Title: Perimeter and Area of Rectangles and Squares
Lesson Title: Time and Duration Solve the following word problem: Fatu started working at 9:00 am. She worked for 3 hours and 30 minutes. At what time did she finish working? 2 minutes Theme: Everyday Arithmetic (M-08-060) CODE B12	Lesson Title: Perimeter and Area of Rectangles and Squares Find the perimeter and area of a square with sides of 14 cm. 3½ minutes Theme: Measurement and Estimation (M-08-061) CODE B16
Lesson Title: Time and Duration Solve the following word problem: Fatu started working at 9:00 am. She worked for 3 hours and 30 minutes. At what time did she finish working? 2 minutes Theme: Everyday Arithmetic (M-08-060) CODE B12 Lesson Title: Classification of Decimal Numbers	Find the perimeter and area of a square with sides of 14 cm. 3½ minutes Theme: Measurement and Estimation (M-08-061) CODE B16 Lesson Title: Perimeter and Area of Rectangles and Squares Find the perimeter and area of a rectangle with a length of
Lesson Title: Time and Duration Solve the following word problem: Fatu started working at 9:00 am. She worked for 3 hours and 30 minutes. At what time did she finish working? 2 minutes Theme: Everyday Arithmetic (M-08-060) CODE B12 Lesson Title: Classification of Decimal Numbers Solve the following word problem: Ama has a maths exam tomorrow. She studied in the morning from 7 am to 8:30 am. She studied again in the	Find the perimeter and area of a square with sides of 14 cm. 3½ minutes Theme: Measurement and Estimation (M-08-061) CODE B16 Lesson Title: Perimeter and Area of Rectangles and Squares Find the perimeter and area of a rectangle with a length of

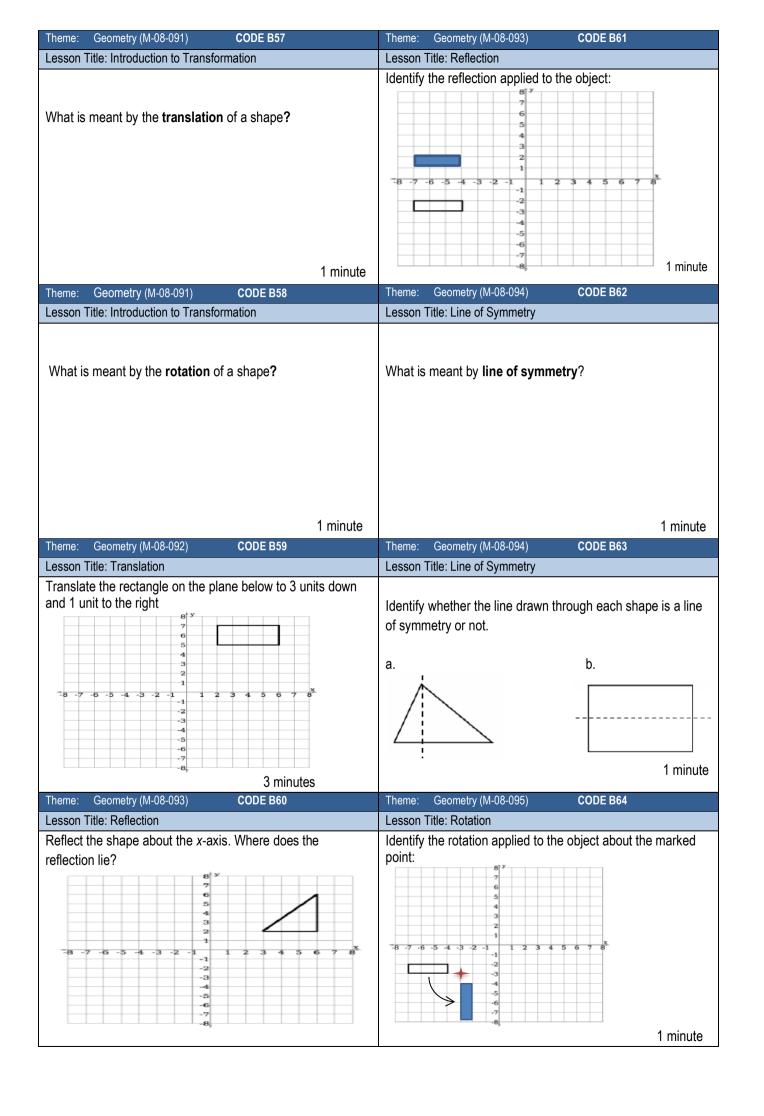
Theme: Measurement and Estimation (M-08-062) CODE B17	Theme: Measurement and Estimation (M-08-063) CODE B21
Lesson Title: Perimeter and Area of Parallelograms	Lesson Title: Perimeter and Area of Trapeziums
Define a parallelogram.	Define a trapezium .
Theme: Measurement and Estimation (M-08-062) CODE B18 Lesson Title: Perimeter and Area of Parallelograms	1 minute Theme: Measurement and Estimation (M-08-063) CODE B22 Lesson Title: Perimeter and Area of Trapeziums
Write down the formulas for calculating the perimeter and area of:	Write down the formulas for calculating the perimeter and area of a trapezium :
parallelogram rhombus	
2 minutes	2 minutes
Theme: Measurement and Estimation (M-08-062) CODE B19	Theme: Measurement and Estimation (M-08-063) CODE B23
Lesson Title: Perimeter and Area of Parallelograms	Lesson Title: Perimeter and Area of Trapeziums
Find the perimeter and area of the parallelogram :	Find the perimeter and area of the trapezium below:
2.5 m. 3 m.	80 mm
	3½ minutes
3½ minutes	Thomas Magazinament and Estimation (M.09.064). CORE D24
Theme: Measurement and Estimation (M-08-062) CODE B20 Lesson Title: Perimeter and Area of Parallelograms	Theme: Measurement and Estimation (M-08-064) CODE B24 Lesson Title: Perimeter and Area of Triangles
A rhombus has sides of 5 cm and diagonals of 4 cm and 3 cm. Find:	Write down the formulas for calculating the perimeter and area of a triangle :
The area of the rhombus The perimeter of the rhombus	
3½ minutes	2 minutes

Theme: Measurement and Estimation (M-08-064) CODE B25	Theme: Measurement and Estimation (M-08-067) CODE B29
Lesson Title: Perimeter and Area of Triangles	Lesson Title: Perimeter and Area Story Problems
Find the area and perimeter of the triangle:	Bright Secondary School has a football field that measures 120 meters on one side and 80 meters on the other side. A gardener is hired to plant carpet grass on the field. a. Calculate the area of the field. b. If the cost of carpet grass is Le 200.00 per square meter,
8 cm	how much will it cost to cover the field?
3½ minutes	3½ minutes
Theme: Measurement and Estimation (M-08-065) CODE B26	Theme: Measurement and Estimation (M-08-068) CODE B30
Lesson Title: Perimeter and Area of Circles	Lesson Title: Volume of Solids
Write down the formulas for calculating the circumference and area of a circle:	Write the general formula for the volume of prisms and cylinders as cross-sections multiplied by height.
2 minutes Theme: Measurement and Estimation (M-08-065) CODE B27	2 minutes Theme: Measurement and Estimation (M-08-069) CODE B31
Lesson Title: Perimeter and Area of Circles	Lesson Title: Volume of Cubes
Find the circumference and area of the circle , using $\pi = \frac{22}{7}$	Find the volume of a cube of side 7 cm.
2 minutes	
3 minutes	2½ minutes
Theme: Measurement and Estimation (M-08-066) CODE B28	Theme: Measurement and Estimation (M-08-070) CODE B32
Lesson Title: Perimeter and Area of Composite Shapes	Lesson Title: Volume of Rectangular Prisms
Define composite shapes.	Find the volume of the cuboid bellow:
	3 m 13 m
2 minutes	3 minutes

Theme: Measurement and Estimation (M-08-071) CODE B33	Theme: Measurement and Estimation (M-08-075) CODE B37
Lesson Title: Volume of Triangular Prisms	Lesson Title: Surface Area of Solids
Find the volume of a rectangular prism with base 4 m, height 7 m, and length 3 m	Define the term surface area .
3 minutes	1 minute
Theme: Measurement and Estimation (M-08-072) CODE B34	Theme: Measurement and Estimation (M-08-075) CODE B38
Lesson Title: Volume of Cylinders	Lesson Title: Surface Area of Solids
Find the volume of the figure. Use $\pi = \frac{22}{7}$ 10 cm $r = 7 \text{ cm}$	A rectangular prism has a length of 21 m, width of 20 m and height of 43 m. In what units is the surface area measured?
Theme: Measurement and Estimation (M-08-073) CODE B35	2 minutes Theme: Measurement and Estimation (M-08-076) CODE B39
Lancar Title Velices of Comments Calida	
Lesson Title: Volume of Composite Solids	Lesson Title: Surface Area of Cubes and Rectangular Prisms
Find the volume of the solid shown:	
Find the volume of the solid shown:	Lesson Title: Surface Area of Cubes and Rectangular Prisms Calculate the surface area for the rectangular prism: 3 m
Find the volume of the solid shown:	Lesson Title: Surface Area of Cubes and Rectangular Prisms Calculate the surface area for the rectangular prism: 3 m 13 m Hint: Use the formula: $SA = 2lw + 2wh + 2lh$
Find the volume of the solid shown: 3 cm 3 cm 3 cm 3 cm 3 cm CODE B36	Lesson Title: Surface Area of Cubes and Rectangular Prisms Calculate the surface area for the rectangular prism: 3 m 13 m Hint: Use the formula: $SA = 2lw + 2wh + 2lh$ 3½ minutes Theme: Measurement and Estimation (M-08-077) CODE B40
Find the volume of the solid shown:	Lesson Title: Surface Area of Cubes and Rectangular Prisms Calculate the surface area for the rectangular prism: 3 m 13 m Hint: Use the formula: $SA = 2lw + 2wh + 2lh$ 3½ minutes Theme: Measurement and Estimation (M-08-077) CODE B40 Lesson Title: Surface Area of Triangular Prisms
Find the volume of the solid shown: 31/2 minutes Theme: Measurement and Estimation (M-08-074) CODE B36	Calculate the surface area for the rectangular prism: 3 m 13 m Hint: Use the formula: $SA = 2lw + 2wh + 2lh$ 3½ minutes Theme: Measurement and Estimation (M-08-077) CODE B40 Lesson Title: Surface Area of Triangular Prisms Find the surface area of the right-angled triangular prism:
Find the volume of the solid shown: 3½ minutes Theme: Measurement and Estimation (M-08-074) CODE B36 Lesson Title: Volume Story Problems A carpenter built a box in the shape of a rectangular prism. The area of the bottom of the box is 42 cm², and the box is 20 cm tall. How many cubic centimetres of seeds will the box	Lesson Title: Surface Area of Cubes and Rectangular Prisms Calculate the surface area for the rectangular prism: 3 m 13 m Hint: Use the formula: $SA = 2lw + 2wh + 2lh$ 3½ minutes Theme: Measurement and Estimation (M-08-077) CODE B40 Lesson Title: Surface Area of Triangular Prisms Find the surface area of the right-angled triangular prism:

Theme: Measurement and Estimation (M-08-078) CODE B41	Theme: Geometry (M-08-082) CODE B45
Lesson Title: Surface Area of Cylinders	Lesson Title: Measurement of Angles
Find the surface area of the cylinder shown below. Use	Estimate the measure of the given angle:
$\pi = \frac{22}{7}$ and give your answers to the nearest whole	100 90 80 Zenny
number.	
10 cm	
r = 7 cm	Υ Υ
Hint: Use the formula: $SA = 2\pi r^2 + 2\pi rh$	0
	2 minutes
3½ minutes	
Theme: Measurement and Estimation (M-08-080) CODE B42	Theme: Geometry (M-08-083) CODE B46
Lesson Title: Surface Area Story Problems	Lesson Title: Finding Unknown Angles in Triangles
An open cylindrical tank has a radius of 3 metres and a	Define the interior angles of a triangle.
height of 2 metres. Find its surface area to the nearest whole number. (Use π = 3.14)	
Humber. (Use II = 3.14)	
3½ minutes	
	2 minutes
Theme: Geometry (M-08-081) CODE B43	Theme: Geometry (M-08-083) CODE B47
Lesson Title: Introduction to Angles	Lesson Title: Finding Unknown Angles in Triangles
Describe the five types of angles:	
Describe the five types of angles:	Find the measure of the angle marked x in the triangle
1. acute	
1. acute 2. obtuse	Find the measure of the angle marked x in the triangle
1. acute	Find the measure of the angle marked x in the triangle
1. acute 2. obtuse 3. right	Find the measure of the angle marked x in the triangle
 acute obtuse right straight 	Find the measure of the angle marked x in the triangle
1. acute 2. obtuse 3. right 4. straight 5. reflex	Find the measure of the angle marked x in the triangle below: $ \begin{array}{c} x \\ \hline 60^{\circ} \\ 53^{\circ} \end{array} $
 acute obtuse right straight 	Find the measure of the angle marked x in the triangle below:
1. acute 2. obtuse 3. right 4. straight 5. reflex 5 minutes	Find the measure of the angle marked x in the triangle below: 3 minutes
1. acute 2. obtuse 3. right 4. straight 5. reflex Theme: Geometry (M-08-081) CODE B44	Find the measure of the angle marked x in the triangle below: 3 minutes Theme: Geometry (M-08-084)
1. acute 2. obtuse 3. right 4. straight 5. reflex 5 minutes	Find the measure of the angle marked x in the triangle below: 3 minutes
1. acute 2. obtuse 3. right 4. straight 5. reflex Theme: Geometry (M-08-081) CODE B44 Lesson Title: Introduction to Angles	Find the measure of the angle marked x in the triangle below: 3 minutes Theme: Geometry (M-08-084) CODE B48 Lesson Title: Finding Unknown Angles in Quadrilaterals
1. acute 2. obtuse 3. right 4. straight 5. reflex Theme: Geometry (M-08-081) CODE B44	Find the measure of the angle marked x in the triangle below: 3 minutes Theme: Geometry (M-08-084) CODE B48 Lesson Title: Finding Unknown Angles in Quadrilaterals Find the measures of angles B, C and D in the
1. acute 2. obtuse 3. right 4. straight 5. reflex Theme: Geometry (M-08-081) CODE B44 Lesson Title: Introduction to Angles Write the following angle measurements in words:	Find the measure of the angle marked x in the triangle below: 3 minutes Theme: Geometry (M-08-084) CODE B48 Lesson Title: Finding Unknown Angles in Quadrilaterals
1. acute 2. obtuse 3. right 4. straight 5. reflex 5 minutes Theme: Geometry (M-08-081) CODE B44 Lesson Title: Introduction to Angles Write the following angle measurements in words: 1. 104°	Find the measure of the angle marked x in the triangle below: 3 minutes Theme: Geometry (M-08-084) CODE B48 Lesson Title: Finding Unknown Angles in Quadrilaterals Find the measures of angles B, C and D in the
1. acute 2. obtuse 3. right 4. straight 5. reflex 5 minutes Theme: Geometry (M-08-081) CODE B44 Lesson Title: Introduction to Angles Write the following angle measurements in words: 1. 104°	Find the measure of the angle marked x in the triangle below: 3 minutes Theme: Geometry (M-08-084) CODE B48 Lesson Title: Finding Unknown Angles in Quadrilaterals Find the measures of angles B, C and D in the
1. acute 2. obtuse 3. right 4. straight 5. reflex 5 minutes Theme: Geometry (M-08-081) CODE B44 Lesson Title: Introduction to Angles Write the following angle measurements in words: 1. 104°	Find the measure of the angle marked x in the triangle below: 3 minutes Theme: Geometry (M-08-084) CODE B48 Lesson Title: Finding Unknown Angles in Quadrilaterals Find the measures of angles B, C and D in the parallelogram:
1. acute 2. obtuse 3. right 4. straight 5. reflex 5 minutes Theme: Geometry (M-08-081) CODE B44 Lesson Title: Introduction to Angles Write the following angle measurements in words: 1. 104°	Find the measure of the angle marked x in the triangle below: 3 minutes Theme: Geometry (M-08-084) Lesson Title: Finding Unknown Angles in Quadrilaterals Find the measures of angles B, C and D in the parallelogram:
1. acute 2. obtuse 3. right 4. straight 5. reflex Theme: Geometry (M-08-081) CODE B44 Lesson Title: Introduction to Angles Write the following angle measurements in words: 1. 104° 2. 180°	Find the measure of the angle marked x in the triangle below: 3 minutes Theme: Geometry (M-08-084) Lesson Title: Finding Unknown Angles in Quadrilaterals Find the measures of angles B, C and D in the parallelogram:
1. acute 2. obtuse 3. right 4. straight 5. reflex 5 minutes Theme: Geometry (M-08-081) CODE B44 Lesson Title: Introduction to Angles Write the following angle measurements in words: 1. 104°	Find the measure of the angle marked x in the triangle below: 3 minutes Theme: Geometry (M-08-084) Lesson Title: Finding Unknown Angles in Quadrilaterals Find the measures of angles B, C and D in the parallelogram:

Theme: Geometry (M-08-085) CODE B49	Theme: Geometry (M-08-087) CODE B53
Lesson Title: Angle Practice	Lesson Title: Sum of the Interior Angles of a Pentagon
Calculate the size of x in the isosceles triangle below: Remember: An isosceles triangle has two equal angles. 2 minutes	Add the angles of the pentagon below to verify that they add up to 540°. 120° 105° 1 minute
Theme: Geometry (M-08-086) CODE B50	Theme: Geometry (M-08-088) CODE B54
List any three types of regular polygons .	Lesson Title: Sum of the Interior Angles of a Polygon Calculate the sum of the interior angles of a polygon with 8 sides
	Hint: Use the formula for the sum of interior angles
3 minutes	3 minutes
Theme: Geometry (M-08-086) CODE B51	Theme: Geometry (M-08-089) CODE B55
Lesson Title: Polygons	Lesson Title: Interior Angle Practice
Draw the following polygon . 5 Sides - pentagon	Find the measure of angle x : $ \begin{array}{c} x \\ 125^{\circ} \\ 135^{\circ} \end{array} $
3 Minutes	. 2 minutes
Theme: Geometry (M-08-087) CODE B52	Theme: Geometry (M-08-090) CODE B56
Lesson Title: Sum of the Interior Angles of a Pentagon Write the formula for calculating the sum of the interior angles of a polygon.	Lesson Title: Interior Angle Story Problems Issa is building a house. He wants to build a strong one, and he knows the two angles between the roof and walls must be equal. Help him by finding the missing angles in the diagram of his house.
2 minutes	3 minutes



Theme: Geometry (M-08-096) CODE B65	Theme: Algebra (M-08-101) CODE B69
Lesson Title: Rotational Symmetry	Lesson Title: Arithmetic Patterns
Determine the following: a. Does the object have rotational symmetry? b. If it does have rotational symmetry, what is its order?	Identify whether each of the following lists of numbers is an arithmetic pattern. If it is an arithmetic pattern, give the common difference:
	a. 8, 16, 24, 32, b. 1, 4, 7, 10, 13, c. 3, 6, 12, 24, 48,
Equilateral triangle 2 minutes	3 minutes
Theme: Geometry (M-08-097) CODE B66	Theme: Algebra (M-08-101) CODE B70
Lesson Title: Enlargement	Lesson Title: Arithmetic Patterns
Which of the shapes shown below are not enlargements of shape 1?	Find the common difference and write the missing numbers in each pattern: 15, 11,, 3, -1,
1 minute	1 minute
Theme: Geometry (M-08-097) CODE B67	Theme: Algebra (M-08-102) CODE B71
Theme: Geometry (M-08-097) CODE B67	Theme: Algebra (M-08-102) CODE B71
Theme: Geometry (M-08-097) CODE B67 Lesson Title: Enlargement	Theme: Algebra (M-08-102) CODE B71 Lesson Title: Creating Arithmetic Patterns Write an arithmetic pattern starting with 0, with a common difference of 4. Write the first 6 terms of the
Theme: Geometry (M-08-097) Lesson Title: Enlargement Draw an enlargement of the square with scale factor 3.	Theme: Algebra (M-08-102) CODE B71 Lesson Title: Creating Arithmetic Patterns Write an arithmetic pattern starting with 0, with a common difference of 4. Write the first 6 terms of the pattern.
Theme: Geometry (M-08-097) CODE B67 Lesson Title: Enlargement Draw an enlargement of the square with scale factor 3. 2 minutes	Theme: Algebra (M-08-102) CODE B71 Lesson Title: Creating Arithmetic Patterns Write an arithmetic pattern starting with 0, with a common difference of 4. Write the first 6 terms of the pattern. 1 minute
Theme: Geometry (M-08-097) Lesson Title: Enlargement Draw an enlargement of the square with scale factor 3. 2 minutes Theme: Algebra (M-08-101) CODE B68	Theme: Algebra (M-08-102) CODE B71 Lesson Title: Creating Arithmetic Patterns Write an arithmetic pattern starting with 0, with a common difference of 4. Write the first 6 terms of the pattern. 1 minute Theme: Algebra (M-08-103) CODE B72
Theme: Geometry (M-08-097) Lesson Title: Enlargement Draw an enlargement of the square with scale factor 3. 2 minutes Theme: Algebra (M-08-101) CODE B68 Lesson Title: Arithmetic Patterns	Theme: Algebra (M-08-102) CODE B71 Lesson Title: Creating Arithmetic Patterns Write an arithmetic pattern starting with 0, with a common difference of 4. Write the first 6 terms of the pattern. 1 minute Theme: Algebra (M-08-103) CODE B72 Lesson Title: Introduction to Geometric Patterns Determine whether each of the following lists of numbers is a geometric pattern. If it is a geometric
Theme: Geometry (M-08-097) Lesson Title: Enlargement Draw an enlargement of the square with scale factor 3. 2 minutes Theme: Algebra (M-08-101) CODE B68 Lesson Title: Arithmetic Patterns	Theme: Algebra (M-08-102) CODE B71 Lesson Title: Creating Arithmetic Patterns Write an arithmetic pattern starting with 0, with a common difference of 4. Write the first 6 terms of the pattern. 1 minute Theme: Algebra (M-08-103) CODE B72 Lesson Title: Introduction to Geometric Patterns Determine whether each of the following lists of numbers is a geometric pattern. If it is a geometric pattern, give the common ratio: a. 10, 30, 50, 70, b2, 6, -18, 54,

Theme: Algebra (M-08-104) CODE B73	Theme: Algebra (M-08-107) CODE B77
Lesson Title: Terms of Geometric Patterns	Lesson Title: Simplifying Expressions with Higher Powers
Find the common ratio and write the missing numbers in each pattern	Consider the algebraic expression: $x^3 + 7x - x^2 + 3x + 8x^3 + 4x^2$
3, 9,,,	a. Simplify the expression.
	b. How many terms are there in this simplified algebraic expression?
1 minute	3 minutes
Theme: Algebra (M-08-105) CODE B74	Theme: Algebra (M-08-108) CODE B78
Lesson Title: Creating Geometric Patterns	Lesson Title: Simplifying Expressions with Fractions
Write a geometric pattern starting with −1, with a common ratio of −2. Write the first 4 terms of the pattern.	Simplify: $6 + \frac{1}{2}x^2 + x - \frac{1}{4}x^2 + 2x^1 - 4x^3$
1 minute	2 minutes
	Theme: Algebra (M.08.108) CODE R70
Theme: Algebra (M-08-106) CODE B75 Lesson Title: Simplifying Algebraic Expressions	Theme: Algebra (M-08-108) CODE B79 Lesson Title: Simplifying Algebraic Expressions
Theme: Algebra (M-08-106) CODE B75	
Theme: Algebra (M-08-106) CODE B75 Lesson Title: Simplifying Algebraic Expressions What are like terms?	Lesson Title: Simplifying Algebraic Expressions Simplify: $8 + \frac{5}{6}x^2 + \frac{1}{3}x + \frac{1}{3}x^2 + \frac{1}{5}$ 2 minutes
Theme: Algebra (M-08-106) CODE B75 Lesson Title: Simplifying Algebraic Expressions What are like terms? 1 minute Theme: Algebra (M-08-106) CODE B76	Lesson Title: Simplifying Algebraic Expressions Simplify: $8+\frac{5}{6}x^2+\frac{1}{3}x+\frac{1}{3}x^2+\frac{1}{5}$ 2 minutes Theme: Algebra (M-08-110) CODE B80
Theme: Algebra (M-08-106) CODE B75 Lesson Title: Simplifying Algebraic Expressions What are like terms?	Lesson Title: Simplifying Algebraic Expressions Simplify: $8 + \frac{5}{6}x^2 + \frac{1}{3}x + \frac{1}{3}x^2 + \frac{1}{5}$ 2 minutes
Theme: Algebra (M-08-106) CODE B75 Lesson Title: Simplifying Algebraic Expressions What are like terms? 1 minute Theme: Algebra (M-08-106) CODE B76 Lesson Title: Simplifying Algebraic Expressions	Lesson Title: Simplifying Algebraic Expressions Simplify: $8 + \frac{5}{6}x^2 + \frac{1}{3}x + \frac{1}{3}x^2 + \frac{1}{5}$ 2 minutes Theme: Algebra (M-08-110) CODE B80 Lesson Title: Multiplying Variables Remove brackets and simplify the following algebraic
Theme: Algebra (M-08-106) CODE B75 Lesson Title: Simplifying Algebraic Expressions What are like terms? 1 minute Theme: Algebra (M-08-106) CODE B76 Lesson Title: Simplifying Algebraic Expressions Simplify the following algebraic expressions:	Lesson Title: Simplifying Algebraic Expressions Simplify: $8 + \frac{5}{6}x^2 + \frac{1}{3}x + \frac{1}{3}x^2 + \frac{1}{5}$ 2 minutes Theme: Algebra (M-08-110) CODE B80 Lesson Title: Multiplying Variables Remove brackets and simplify the following algebraic expressions:
Theme: Algebra (M-08-106) CODE B75 Lesson Title: Simplifying Algebraic Expressions What are like terms ? 1 minute Theme: Algebra (M-08-106) CODE B76 Lesson Title: Simplifying Algebraic Expressions Simplify the following algebraic expressions: a. $10x - 5y + 2y - 7x + 6$	Lesson Title: Simplifying Algebraic Expressions Simplify: $8 + \frac{5}{6}x^2 + \frac{1}{3}x + \frac{1}{3}x^2 + \frac{1}{5}$ 2 minutes Theme: Algebra (M-08-110) CODE B80 Lesson Title: Multiplying Variables Remove brackets and simplify the following algebraic expressions: a. $-7x^5(-x^2 + y^3)$

Theme: Algebra (M-08-112) CODE B81

Lesson Title: Simplifying and Expanding Algebraic Expressions

Expand and simplify:

$$2a[(a + 3b) + 4(2a - b)]$$

2 minutes

Theme: Algebra (M-08-113) CODE B82

Lesson Title: Algebraic Expression Story

Solve the following word problems:

- 1. Hawa is twice as old as Musa. If Musa is x + 3 years old, write an expression for Hawa's age.
- 2. A man has 15x sheep and 10y goats. He sells 6x sheep and 2y goats. How many animals are left after the sales?

2 minutes

Theme: Algebra (M-08-114) CODE B83

Lesson Title: Factoring Integers from Algebraic Expressions

Factorise the following expressions:

1.
$$5x^3 + 15x^2 + 35x + 20$$

2.
$$10s + 12t - 4t$$

2 minutes

Theme: Algebra (M-08-115) CODE B84

Lesson Title: Factoring Variables from Algebraic Expressions

Factorise the following expressions:

a.
$$x^3 + 5x^2$$

b.
$$9a^2 + 13a - 3a - 4a^2$$

3 minutes