

TERM 1	Week 1 3 days	Week 2 5 days	Week 3 5 days	Week 4 5 days:	Week 5 5 days	Week 6 5 days	Week 7 5 days	Week 8 5 days	Week 9 4 days	Week 10 3 days
Hours per week	3 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	5 hrs.	3 hrs.
Hours per topic	3 hrs.	12 hrs.		9 hrs.		2 hrs.	18 hrs.		5 hrs	3 hrs.
Topics, concepts and skills	ORIENTATION AND REVISION	WHOLE NUMBERS: Number range for counting, ordering, comparing and representing, and place value of digits <ul style="list-style-type: none"> Order, compare and represent numbers to at least 6-digit numbers Recognize the place value of digits in whole numbers to at least 6 digit numbers Round off to the nearest 5, 10, 100 and 1 000 		NUMBER SENTENCES <ul style="list-style-type: none"> Write number sentences to describe problem situations Solve and complete number sentences by <ul style="list-style-type: none"> – inspection – trial and improvement Check solution by substitution 		FORMAL ASSESSMENT TASKS ASSIGNMENT Whole numbers Number sentences	WHOLE NUMBERS: Number range for calculations <ul style="list-style-type: none"> Addition and subtraction of whole numbers with at least 5-digit numbers Calculation techniques <ul style="list-style-type: none"> Using a range of techniques to perform and check written and mental calculations of whole numbers including: <ul style="list-style-type: none"> – estimation – adding and subtracting in columns – building up and breaking down numbers – using a number line – rounding off and compensating – using addition and subtraction as inverse operations Properties of whole numbers <ul style="list-style-type: none"> Recognize and use the commutative and associative properties of whole numbers 0 in terms of its additive property Solving problems <ul style="list-style-type: none"> Solve problems involving whole numbers, including the following: <ul style="list-style-type: none"> – financial contexts – measurement contexts 		FORMAL ASSESSMENT TASKS TEST All topics	
	Prerequisite skill or pre-knowledge	<ul style="list-style-type: none"> Counting ordering, comparing, and representing place value of 4-digit numbers. Recognize the place value of digits in whole numbers to at least 4-digit numbers. Rounding off to the nearest 100 	<ul style="list-style-type: none"> Basic operations with whole numbers 	<ul style="list-style-type: none"> Addition and subtraction of 4-digit numbers. Round off to the nearest 10, 100, 1 000 and estimate answers. Adding and subtracting units, multiples of 10 and multiples of 100, 1 000 to/from any 4-digit number 						



TERM 2	Week 1 4 days	Week 2 5 days	Week 3 3 days	Week 4 5 days	Week 5 5 days	Week 6 5 days	Week 7 5 days	Week 8 5 days	Week 9 5 days	Week 10 4 days	Week 11 5 days
Hours per week	5 hrs.	6 hrs.	3 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	5 hrs.	6 hrs.
Hours per topic	15 hrs			15 hrs.			9 hrs.	2 hrs.	6 hrs	5 hrs.	6 hrs.
Topics, concepts and skills	WHOLE NUMBERS: Number range for calculations <ul style="list-style-type: none"> Multiplication of at least whole 3-digit by 2-digit numbers Calculation techniques <ul style="list-style-type: none"> Using a range of techniques to perform and check written and mental calculations of whole numbers including: <ul style="list-style-type: none"> estimation building up and breaking down numbers doubling and halving using multiplication and division as inverse operations Number range for multiples and factors <ul style="list-style-type: none"> Multiples of 2-digits whole numbers to at least 100 Factors of 2-digit whole numbers to at least 100 Properties of whole numbers <ul style="list-style-type: none"> Recognize and use the commutative; associative and distributive properties with whole numbers 1 in terms of its multiplicative property Solving problems <ul style="list-style-type: none"> Solve problems involving whole numbers, including <ul style="list-style-type: none"> financial contexts measurement contexts comparing two or more quantities of the same kind (ratio) comparing two quantities of different kinds (rate) 			WHOLE NUMBERS: Number range for calculations <ul style="list-style-type: none"> Division of at least whole 3-digit by 2-digit numbers Calculation techniques <ul style="list-style-type: none"> Use a range of techniques to perform and check written and mental calculations with whole numbers including <ul style="list-style-type: none"> estimation building up and breaking down numbers using multiplication and division as inverse operations Properties of whole numbers <ul style="list-style-type: none"> Recognize and use the distributive properties of whole numbers 1 in terms of its multiplicative property Solving problems <ul style="list-style-type: none"> Solve problems in contexts involving whole numbers, including <ul style="list-style-type: none"> financial contexts measurement contexts comparing two or more quantities of the same kind (ratio) comparing two quantities of different kinds (rate) grouping and equal sharing with remainders			NUMERIC PATTERNS: Investigate and extend patterns <ul style="list-style-type: none"> Investigate and extend numeric patterns looking for relationships or rules of patterns <ul style="list-style-type: none"> sequences not limited to constant difference or ratio of learner's own creation Describe observed relationships or rules for sequences involving constant difference or ratio in learner's own words Input and output values Determine input values, output values and rules for patterns and relationships: <ul style="list-style-type: none"> flow diagrams tables Equivalent forms <ul style="list-style-type: none"> Determine equivalence of different descriptions of the same relationship or rule presented: <ul style="list-style-type: none"> verbally in a flow diagram by a number sentence 	FORMAL ASSESSMENT TASKS INVESTIGATIONS <ul style="list-style-type: none"> Multiplication Division Numeric Patterns 	GEOMETRIC PATTERNS Investigate and extend patterns <ul style="list-style-type: none"> Investigate and extend geometric patterns looking for relationships or rules of patterns: <ul style="list-style-type: none"> represented in physical or diagram form sequences not limited to a constant difference or ratio of learner's own creation Describe observed relationships or rules in learner's own words Input and output values <ul style="list-style-type: none"> Determine input values, output values and rules for the patterns and relationships using flow diagrams Equivalent forms <ul style="list-style-type: none"> Determine equivalence of different descriptions of the same relationship or rule presented: <ul style="list-style-type: none"> verbally in a flow diagram by a number sentence 	REVISION	FORMAL ASSESSMENT TASKS TEST All Term 1 and Term 2 topics
Prerequisite skill or pre-knowledge	<ul style="list-style-type: none"> Describe, compare and order common fractions of different denominators (halves, thirds, quarters, fifths, sixths, sevenths, eighths) fractions in diagram form Equivalent fractions Multiply at least and 2-digit by 2-digit numbers. Doubling and halving Multiplication facts for units by multiples of 10 100.and 1 000 Building up and breaking down 4 digit whole numbers. 			<ul style="list-style-type: none"> Division of 3-digit numbers by 1-digit numbers Solve problems in financial and measurement contexts with whole numbers including sharing, grouping and rate Multiples of 2-digit numbers to at least 100 Factors of 2-digit whole numbers to at least 100 1 in terms of its multiplicative property 			<ul style="list-style-type: none"> Investigate and extend patterns Describe patterns in own words Describe general rules observed in patterns Determine input and output values in tables and flow diagrams 		<ul style="list-style-type: none"> Investigate and extend patterns Describe patterns in own words Describe general rules observed in patterns Determine input and output values in tables and flow diagrams 		

<ul style="list-style-type: none"> • Multiples of 1 digit numbers to at least 100 • 1 in terms of its multiplicative property 									
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TERM 3	Week 1 4 days	Week 2 5 days	Week 3 5 days	Week 4 5 days	Week 5 4 days	Week 6 5 days	Week 7 5 days	Week 8 5 days	Week 9 5 days	Week 10 5 days	Week 11 4 days						
Hours per week	5 hrs.	6 hrs.	6 hrs.	6 hrs.	5 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	5 hrs.						
Hours per topic	18 hrs.			6 hrs.		9 hrs		3 hrs		3 hrs		9 hrs		6 hrs.		5 hrs.	
Topics, concepts and skills	COMMON FRACTIONS: Describing and ordering fractions: <ul style="list-style-type: none"> • Count forwards and backwards in fractions • Compare and order common fractions to at least twelfths Calculations with fractions: <ul style="list-style-type: none"> • Addition and subtraction of common fractions with same denominator • Addition and subtraction of mixed numbers • Fractions of whole which result in whole numbers • Recognise, describe and use the equivalence of division and fractions Solving problems <ul style="list-style-type: none"> • Solve problems in contexts involving common fractions, including grouping and sharing Equivalent forms: <ul style="list-style-type: none"> • Recognize and use equivalent forms of common fractions with denominators which are multiples of each other 			LENGTH: Practical measuring <ul style="list-style-type: none"> • Estimate and practically measure 2-D shapes and 3-D objects using measuring instruments such as: <ul style="list-style-type: none"> – rulers – metre sticks – tape measures – trundle wheels • Record, compare and order lengths of shapes and objects in millimetres (mm), centimetres (cm), metres (m), kilometres (km) Calculations and problem-solving <ul style="list-style-type: none"> • Solve problems in contexts involving length • Convert between any of the following units. <ul style="list-style-type: none"> – millimetres (mm), – centimetres (cm), – metres (m) and – kilometres (km) • Conversions limited to whole numbers and common fractions 		PROPERTIES OF 2D SHAPES: Range of shapes <ul style="list-style-type: none"> • Recognize, visualize and name 2-D shapes in the environment and geometric setting, focusing on • regular and irregular polygons - triangles, • squares, rectangles, other quadrilaterals, • pentagons, hexagons, heptagons • circles • similarities and differences between squares and rectangles Characteristics of shapes <ul style="list-style-type: none"> • Describe, sort and compare 2-D shapes in terms of: <ul style="list-style-type: none"> – straight and curved sides – number of sides – lengths of sides – angles in shapes, limited to: <ul style="list-style-type: none"> ✓ right angles ✓ angles smaller than right angles ✓ angles greater than right angles Further activities <ul style="list-style-type: none"> • Draw 2-D shapes on grid paper Angles <ul style="list-style-type: none"> • Recognize and describe angles in 2-D shapes: <ul style="list-style-type: none"> – right angles – angles smaller than right angles – angles greater than right angles 		SYMMETRY: <ul style="list-style-type: none"> • Recognize, draw and describe line(s) of symmetry in 2-D shapes 		TRANSFORMATIONS: Use transformations to make composite shapes <ul style="list-style-type: none"> • Make composite 2-D shapes including shapes with line symmetry by tracing and moving a 2-D shape in one or more of the following ways: <ul style="list-style-type: none"> – by rotation – by translation – by reflection Use transformations to make tessellations <ul style="list-style-type: none"> • Make tessellated patterns including some patterns with line symmetry by tracing and moving 2-D in one or more of the following ways: <ul style="list-style-type: none"> – by rotation – by translation – by reflection Describe patterns <ul style="list-style-type: none"> • Refer to lines, 2-D shapes, 3-D objects, lines of symmetry, rotations, reflections and translations when describing patterns. 		PROPERTIES OF 3-D OBJECTS: Range of objects <ul style="list-style-type: none"> • Recognize, visualize and name 3-D objects in the environment and geometric settings, focusing on: <ul style="list-style-type: none"> – rectangular prisms and other prisms – cubes – cylinders – cones – pyramids – similarities and differences between cubes and rectangular prisms Characteristics of objects <ul style="list-style-type: none"> • Describe, sort and compare 3-D objects in terms of <ul style="list-style-type: none"> – shape of faces – number of faces – flat and curved surfaces Further activities <ul style="list-style-type: none"> • Make 3-D models using cut out polygons • Cut open boxes to trace and describe their nets 		REVISION		FORMAL ASSESSMENT TASKS TEST All topics	

Prerequisite skill or pre-knowledge	<ul style="list-style-type: none"> Describe, compare and order common fractions of different denominators (halves, thirds, quarters, fifths, sixths, sevenths, eighths) fractions in diagram form Equivalent fractions Adding and subtracting fractions in context 	<ul style="list-style-type: none"> Estimating, measuring, recording, comparing and ordering length Use Measuring instruments: Units of length Solve problems in contexts Converting between units Conversions limited to whole numbers and common fractions 	<ul style="list-style-type: none"> Recognize, visualize and name 2-D shapes in the environment and geometric settings: <ul style="list-style-type: none"> regular and irregular polygons up to hexagons circles Describe, sort and compare 2-D shapes in terms of <ul style="list-style-type: none"> straight and curved sides number of sides 	<ul style="list-style-type: none"> Recognise lines of symmetry in nature 	<ul style="list-style-type: none"> Building composite shapes Tessellations and describing patterns in the world. 	<ul style="list-style-type: none"> Recognize, visualize and name <ul style="list-style-type: none"> rectangular prisms spheres cylinders cones square-based pyramids Describe, sort and compare 3-D objects in terms of: <ul style="list-style-type: none"> shapes of faces flat and curved surfaces Make 3-D models using cut-out polygons 		
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N.B. BY THE END OF TERM 3, LEARNERS SHOULD HAVE COMPLETED A PROJECT AND A TEST. SEE NOTES ON PROJECT FROM ABRIDGED SECTION 4 OF CAPS.



TERM 4	Week 1 4 days	Week 2 5 days	Week 3 5 days	Week 4 5 days:	Week 5 5 days	Week 6 5 days	Week 7 5 days	Week 8 5 days	Week 9 5 days	Week 10 3 days	
Hours per week	5 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs.	3 hrs.	
Hours per topic	12 hrs.		6 hrs.		6 hrs.	12 hrs.		6 hrs.	6 hrs.	3 hrs.	
Topics, concepts and skills	PERIMETER, AREA AND VOLUME OF 2 D SHAPES Perimeter <ul style="list-style-type: none"> Measure perimeter using rulers or measuring tapes Measurement of area <ul style="list-style-type: none"> Find areas of regular and irregular shapes by counting squares on grids in order to develop an understanding of square units Measurement of volume <ul style="list-style-type: none"> Find volume/capacity of objects by packing or filling them in order to develop an understanding of cubic units 		CAPACITY/VOLUME Practical Measuring <ul style="list-style-type: none"> Estimate and practically measure 3-D objects using measuring instruments such as: <ul style="list-style-type: none"> measuring spoons measuring cups, measuring jugs Record, compare and order capacity and volume of 3D objects in millilitres (ml) and litres (l) Calculations and problem- solving <ul style="list-style-type: none"> Solve problems in contexts involving capacity/volume Convert between millilitres and litres limited to examples with whole numbers and fractions 		TIME: Reading time and time instruments <ul style="list-style-type: none"> Read, tell and write time in 12-hour and 24-hour formats on both analogue and digital instruments in: <ul style="list-style-type: none"> hours minutes seconds Instruments include clocks, watches and stopwatches Reading calendars Calculations and problem solving time include: <ul style="list-style-type: none"> problems in contexts involving time calculation of time intervals where time is given in <ul style="list-style-type: none"> seconds and/or minutes minutes and/or hours hours and/or days days, weeks and/or months years and/or decades 		USE ALL FOUR BASIC OPERATIONS TO SOLVE PROBLEMS IN CONTEXT Solving problems <ul style="list-style-type: none"> Solve problems in contexts involving whole numbers and fractions, including: <ul style="list-style-type: none"> financial contexts measurement contexts fractions, including grouping and equal sharing comparing two or more quantities of the same kind (ratio) comparing two quantities of different kinds (rate) 		REVISION	FORMAL ASSESSMENT TASKS TEST All Term 3 and Term 4 topics	FORMAL ASSESSMENT TASKS TEST All Term 3 and Term 4 topics
Prerequisite skill or pre-knowledge	<ul style="list-style-type: none"> Measure perimeter using rulers or measuring tapes Find areas of regular and irregular shapes by counting squares on grids in order to develop an understanding of square units Find volume/capacity of objects (by packing or filling them in order to develop an understanding of cubic units) 		<ul style="list-style-type: none"> Millilitres and litres. Measuring instruments such as measuring cups and measuring spoons. Read off measurements where the calibration line is numbered. 		<ul style="list-style-type: none"> Read, tell and write time in 12-hour and 24-hour formats on both analogue and digital instruments in hours, minutes and seconds Calculation of the number of days between any two dates within the same or consecutive years Calculation of time intervals where time is given in minutes or hours only Reading calendars 		<ul style="list-style-type: none"> Number sentences All operations with whole numbers and common fractions 				