



		Year 5 12 lessons per fortnight		
	Wk	Topic	Learning Aims	Assessment
Autumn	1	<b>Number 1- Place value</b>	<ul style="list-style-type: none"> <li>- rounding numbers</li> <li>- read, write, order and compare numbers</li> <li>- Roman Numerals</li> <li>- negative numbers</li> </ul> Key vocabulary: Rounding, negative, million	Number 1 topic assessment-lesson 1
	2			Baseline GL assessments
	3			Number 1 topic assessment-end of topic
	4	<b>Calculations 1- Addition and subtraction</b>	<ul style="list-style-type: none"> <li>- add and subtract decimals</li> <li>- solve addition and subtraction multi-step problems</li> <li>- use rounding to estimate and approximate</li> <li>- inverse operations</li> <li>- add and subtract integers</li> <li>- add and subtract numbers</li> <li>- mental addition and subtraction</li> </ul> Key vocabulary: Addition, subtraction, inverse, exchange	Calculation 1 topic assessment-lesson 1
	5			Calculations 1 topic assessment-end of topic
	6	<b>Statistics 1</b>	<ul style="list-style-type: none"> <li>- timetables</li> <li>- two-way tables</li> <li>- line graphs</li> <li>- comparison, sum and difference problems</li> <li>- tables</li> <li>- bar charts and pictograms</li> </ul> Key vocabulary: Axis, interpret, line graph	Statistics 1 topic assessment-lesson 1
	7			Statistics 1 topic assessment-end of topic
	8	<b>Number 2- Properties of number</b>	<ul style="list-style-type: none"> <li>- cube numbers</li> <li>- multiply and dividing by 10, 100 and 1000</li> <li>- prime numbers</li> <li>- square numbers</li> <li>- factors</li> <li>- multiples</li> </ul> Key vocabulary: Cube, square, multiples, factors	Number 2 topic assessment-lesson 1
	9			
	10			Number 2 topic assessment-end of topic  Autumn term assessments-Reasoning and arithmetic
	11	<b>Measurement 1- Perimeter and area</b>	<ul style="list-style-type: none"> <li>- area of compound shapes</li> <li>- area of irregular shapes</li> <li>- perimeter of rectilinear shapes</li> <li>- area of rectangles</li> <li>- measure perimeter</li> <li>- perimeter of rectangles</li> <li>- perimeter of shapes drawn on a grid</li> </ul> Key vocabulary: Area, perimeter, rectilinear, compound	Measurement 1 topic assessment-lesson 1
	12			Measurement 1 topic assessment-end of topic
	13	<b>Consolidation lessons</b>	Teachers will cover areas for development identified in the autumn term topics.	
	14			

		Year 6 12 lessons per fortnight		
	Wk	Topic	Learning Aims	Assessment
	1	<b>Number 1- Place value</b>	<ul style="list-style-type: none"> <li>- round whole numbers up to 10,000,000</li> <li>- rounding</li> <li>- read, write, order and compare numbers</li> <li>- roman numerals</li> <li>- negative numbers</li> </ul> Key vocabulary: Rounding, million, negative	Number 1 topic assessment-lesson 1
	2			Number 1 topic assessment-end of topic
	3	<b>Calculations 1- Addition Subtraction Multiplication Division Properties of numbers</b>	<ul style="list-style-type: none"> <li>- written division</li> <li>- interpret division remainders</li> <li>- written multiplication</li> <li>- solve multi-step addition and subtraction problems</li> <li>- written addition and subtractions</li> <li>- inverse operations</li> <li>- order of operations</li> <li>- prime numbers</li> <li>- square and cube numbers</li> <li>- factors</li> <li>- multiples</li> </ul> Key vocabulary: Remainders, prime, square, cube, factors, multiples	Calculation 1 topic assessment A-lesson 1
	4			
	5			Calculations 1 topic assessment A-end of topic
	6			Calculation 1 topic assessment B-lesson 1
	7			Calculations 1 topic assessment B-end of topic
	8	<b>Number 2- Fractions</b>	<ul style="list-style-type: none"> <li>- add and subtract fractions</li> <li>- compare and order fractions</li> <li>- convert between improper and mixed number fractions</li> <li>- simplify fractions</li> <li>- equivalent fractions</li> <li>- multiply fractions</li> <li>- divide fractions</li> <li>- fractions of amounts</li> </ul> Key vocabulary: Improper, numerator, denominator, simplify, equivalent	Number 2 topic assessment A-lesson 1
	9			Number 2 topic assessment- A end of topic
	10			Number 2 topic assessment B-lesson 1
	11		Number 2 topic assessment B-end of topic	
	12	<b>Geometry 1- Position and direction</b>	<ul style="list-style-type: none"> <li>- missing coordinates</li> <li>- reflect shapes</li> <li>- translate shapes</li> <li>- read and plot coordinates in four quadrants</li> </ul> Key vocabulary: Coordinates, translate, reflect, quadrant	Geometry 1 topic assessment-lesson 1  Geometry 1- topic assessment-end of topic
	13	<b>Consolidation lessons</b>	Teachers will cover areas for development identified in the autumn term topics.	
	14			



Spring	1	<b>Calculations 2- Multiplication and division</b>	<ul style="list-style-type: none"> <li>- divide by 2-digit numbers</li> <li>- divide with remainders</li> <li>- divide by 2-digit numbers</li> <li>- solve multiplication and division multi-step problems</li> </ul> <p><b>Key vocabulary:</b> Multiplication, division, remainder, place value</p>	Calculations 2 topic assessment-lesson 1	1	<b>Number 3- Decimals</b>	<ul style="list-style-type: none"> <li>- identify the value of digits</li> <li>- multiply and divide decimals by integers</li> <li>- multiply and divide decimals by 10, 100 and 1000</li> <li>- convert between fractions and decimals</li> </ul> <p><b>Key vocabulary:</b> Decimal, value, digit, integer, fraction, multiply, divide</p>	Number 3 topic assessment-lesson 1	
	2				2			Number 3 topic assessment-end of topic	
	3			Calculations 2 topic assessment-end of topic	3	<b>Number 4- Percentages</b>	<ul style="list-style-type: none"> <li>-convert between fractions and percentages</li> <li>- identify equivalent fractions, decimals and percentages</li> <li>- order fractions, decimals and percentages</li> <li>- calculate percentages of amounts</li> <li>- create missing values when finding percentages of amounts</li> <li>- solve percentage word problems</li> </ul> <p><b>Key vocabulary:</b> Fraction, decimal, percentage, amount, equivalent</p>	Number 4 topic assessment-lesson 1	
	4	<b>Number 3- Fractions</b>	<ul style="list-style-type: none"> <li>- compare and order fractions and mixed numbers</li> <li>- convert between improper fractions and mixed numbers</li> <li>- identify equivalent fractions</li> <li>- add and subtract fractions and mixed numbers</li> <li>- multiply fractions, mixed numbers and integers</li> <li>- calculate fractions of amounts</li> </ul> <p><b>Key vocabulary:</b> Fraction, numerator, denominator, mixed number, improper fraction, equivalent</p>	Number 3 topic assessment-lesson 1	4			January practice SATs papers	Number 4 topic assessment-end of topic
	5			Algebra 1	<ul style="list-style-type: none"> <li>-calculate inputs, outputs and functions</li> <li>- solve one and two-step equations</li> <li>- find pairs of numbers to satisfy equations</li> <li>- form expressions</li> <li>- identify a rule</li> <li>- substitute numbers into expressions</li> <li>- write formulas and equations</li> </ul> <p><b>Key vocabulary:</b> Input, output, function, substitute, equation, formula</p>	Algebra 1 topic assessment-lesson 1	Algebra 1 topic assessment-end of topic		
	6			6	<b>Measurement 1- Converting units</b>	<ul style="list-style-type: none"> <li>-convert between units of length, mass and capacity</li> <li>- convert between units of time</li> <li>- read and solve problems using timetables</li> </ul> <p><b>Key vocabulary:</b> Measure, units, kilo, length, mass, capacity</p>	Measurement 1 topic assessment-lesson 1	Measurement 1 topic assessment-end of topic	
	7			7			<b>Measurement 2- Area, perimeter and volume</b>	<ul style="list-style-type: none"> <li>- Identify shapes with the same area and different perimeters</li> <li>- calculate the volume of cubes, cuboids and compound shapes</li> <li>- calculate the area of quadrilaterals and triangles</li> </ul> <p><b>Key vocabulary:</b> Area, perimeter, volume, compound shapes</p>	Measurement 2 topic assessment-lesson 1
	8			8					
	9			<ul style="list-style-type: none"> <li>Number 3 topic assessment-end of topic</li> <li>Spring term assessments- Reasoning and arithmetic</li> </ul>	9	<b>Ratio and proportion</b>	<ul style="list-style-type: none"> <li>-write a ratio using the symbol</li> <li>- represent ratio as a fraction</li> <li>- calculate ratios</li> <li>- calculate scale factors</li> <li>- use scale factors to enlarge shapes</li> <li>- solve ratio and proportion problems</li> </ul> <p><b>Key vocabulary:</b> Ratio, proportion, scale factors, fraction</p>	Ratio and proportion topic assessment-lesson 1	March practice SATs papers
	10	<b>Number 4- Decimals and percentages</b>	<ul style="list-style-type: none"> <li>- order and compare decimals</li> <li>- calculate equivalent fractions, decimals and percentages</li> <li>- round decimals</li> </ul>	Number 4 topic assessment-lesson 1	10			Ratio and proportion topic assessment-end of topic	



	11		Key vocabulary: Decimal, percentage, equivalent, rounding	Number 4 topic assessment-end of topic		11	<b>Statistics 1</b>	- name parts of a circle - read, interpret and draw line graphs - read, interpret and draw pie charts, including with percentages - calculate the mean  Key vocabulary: Graph, chart, mean, radius, diameter, interpret	Statistics 1 topic assessment-lesson 1  Statistics 1 topic assessment-end of topic		
	12	<b>Consolidation lessons</b>	Teachers will cover areas for development identified in the spring term topics.			12	<b>Geometry 2- Properties of shape</b>	-name, estimate, draw and measure angles - calculate missing angles around a point and on a straight line - calculate vertically opposite angles - calculate missing angles in triangles, quadrilaterals and regular polygons - draw nets of 3D shapes - draw shapes accurately  Key vocabulary: Angles, acute, obtuse, reflex, degrees, full turn, straight line	Geometry 2 topic assessment-lesson 1  Geometry 2 topic assessment-end of topic		
Summer	1	<b>Number 5- Decimals</b>	- add and subtract decimals - compare and order decimals - multiply decimals by 10, 100 and 1000 - divide decimals by 10, 100 and 1000  Key vocabulary: Decimal, place value, compare, order, greater than, less than	Number 5 topic assessment-lesson 1		1	<b>Consolidation</b>	Teachers will cover areas for development identified across all topics in preparation for SATs.			
	2					2					
	3			Number 5 topic assessment-end of topic		3					
	4	<b>Geometry 1- Properties of shape</b>	- name angles - measure and draw angles - compare and order angles - calculate angles around a point - draw lines accurately - name and identify the properties of triangles - name and identify the properties of quadrilaterals - calculate missing lengths and angles - name and identify regular and irregular polygons  Key vocabulary: Angle, acute, obtuse, reflex, degrees, full turn, straight line	Geometry 1 topic assessment-lesson 1		4	<b>Consolidation</b>	Teachers will cover areas for development identified across all topics in preparation for SATs.	<b>SATs</b>		
	5					5				<b>Consolidation</b>	Teachers will cover areas for development identified during SATs revision lessons.
	6			Geometry 1 topic assessment-end of topic		6					
	7	<b>Geometry 2- Position and direction</b>	- write coordinates - plot points - identify lines of symmetry - translate points and shapes - reflect points and shapes  Key vocabulary: Reflect, translate, coordinates, points, symmetry	Geometry 2 topic assessment-lesson 1		7	<b>Start Year 7 Topics</b>	- describe sequences - continue sequences - predict next terms - explain the term-to-term rule - understand sequences in a table and graphically  Key vocabulary: Sequence, linear, term	Algebra sequences topic assessment – lesson 1		
	8			Geometry 2 topic assessment-end of topic		8			<b>Algebra - Sequences</b>	Algebra sequences topic assessment – end of topic	
	9	<b>Measurement 2- Converting units</b>	- convert between units of length, mass and capacity - convert between units of time - read and solve problems using timetables  Key vocabulary: Measure, units, kilo, length, mass, capacity	Measurement 2 topic assessment-lesson 1		9			<b>GL assessment fortnight</b>		
	10			Measurement 2 topic assessment-end of topic		10	<b>Algebra - Notation</b>	- work with inputs and outputs - use inverse operations - substitute values into single operation expressions and two step (higher) - work with two-step function machines - represent one- and two-step functions graphically - solve some one-step equations using the inverse	Algebra notation topic assessment – lesson 1		
				<b>GL assessment fortnight</b>							
				<b>Summer term assessments – Reasoning and arithmetic</b>							



	11	<b>Measurement 3-Volume</b>	-describe and name units of volume and capacity - estimate and compare volume and capacity <b>Key vocabulary:</b> Volume, capacity, estimate, compare, units	Measurement 3 topic assessment-lesson 1  Measurement 3 topic assessment-end of topic		11		- generate sequences when given the algebraic rule (higher) - solve one-step linear equations with all operations (higher) - simplify like terms (higher) - understand the meaning of equality (higher) <b>Key vocabulary:</b> Function, simplify, equality	
	12	<b>Consolidation</b>	Teachers will cover areas for development identified in the summer term topics.			12			
	13					13			Algebra notation topic assessment – end of topic