



		Year 5 12 lessons per fortnight		
	Wk	Topic	Learning Aims	Assessment
Autumn	1	Number and place value, approximation and estimation/rounding	Counting in powers of 10	
	2		Read, write, order and compare numbers	
	3		Roman numerals Rounding Negative numbers <i>Key vocabulary</i> powers, million, negative	
	4	Calculations 1	Add and subtract mentally	Baseline GL assessment
	5		Column + and - (more than 4 digits)	
	6		Use rounding to check answers + and - multi-step problems Money problems <i>Key vocabulary</i> accuracy	
	7	Geometry 1- Properties of shapes	Properties of shapes- sides and angles	
	8		<i>Key vocabulary</i> regular, irregular, polygon, perpendicular	
	9			
	10	Calculations 2	x and ÷ mentally	
	11		x and ÷ by 10,100 and 1000, including decimals	
	12		x and ÷ up to 4 digits using formal methods <i>Key vocabulary</i> Interpret, remainders	Assessment: topics 1-4
	13	Measurement 1	Converting time & time problems	
	14		Converting units of measure; reading scales, measuring, measure word problems	
	15		<i>Key vocabulary</i> Metric, imperial, mass	
Spring	1	Number 2- Fractions, decimals and percentages	Ordering and rounding decimals	
	2		Equivalent fractions, decimals and percentages	
	3		Percentages	
	4		<i>Key vocabulary</i> thousandths, percent, equivalent	
	5	Statistics 1	Interpret tables, graphs and timetables	
	6		Line graphs	
	7		<i>Key vocabulary</i> timetables, line graphs, comparison	
	8	Calculations 3	Multiples and factors; prime numbers; square and cube numbers	
	9		Solving problems	
	10		<i>Key vocabulary</i> Prime, composite, square numbers, cube numbers	Assessment: topics 5-8
	11	Geometry 2- Position and direction	Co-ordinates	
	12		Reflection Translation <i>Key vocabulary</i> reflection, translation	
Summer	1	Measurement 2	Perimeter of rectangular shapes	
	2		Area of rectangles	
	3		Area of irregular shapes Volume Measures problems <i>Key vocabulary</i> volume	
	4	Number 3 Fractions, decimals and percentages	Compare and order fractions	
	5		Add and subtract fractions Convert between improper and mixed number fractions Multiply fractions <i>Key vocabulary</i> improper, mixed number fractions	
	6	Geometry 3	3D shapes; draw, name and measure angles; calculate missing angles	
	7		<i>Key vocabulary</i> degrees, reflex	
	8	Algebra 1	Sequences	
	9		Missing numbers in calculations <i>Key vocabulary</i> unknowns	
	10	Catch up of topics and areas of weakness over the whole year based on end of year assessment in preparation for Year 6		End of Year GL Assessment
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	12			

		Year 6 12 lessons per fortnight		
	Topic	Learning Aims	Assessment	
	Number and place value, approximation and estimation/rounding	Read, write, order and compare numbers		
		Multiply and divide by 10,100 and 1000, including decimals; rounding		
		Negative numbers <i>Key vocabulary</i> Billion, decimal places, value		
	Calculations 1	Mental calculations; estimating to check		
		Order of operations		
		Formal + and -, including decimals + and - multi-step problems Money problems <i>Key vocabulary</i> BIDMAS	Practice STATS papers	
	Geometry 1- Properties of shapes	Parts of a circle and circumference		
		Draw shapes accurately		
		Compare and classify shapes Calculate unknown angles <i>Key vocabulary</i> Radius, diameter, circumference		
	Calculations 2	Mental arithmetic methods		
		Decimals and fractions		
		Multiply 4 digits by 2 digits Divide 4 digit numbers by 2 digit, including decimal answers Multiply decimals <i>Key vocabulary</i> Scale factor		
	Measurement 1	Converting metric and imperial units of measure		
		Measures problems, including time		
		<i>Key vocabulary</i> miles		
Number 2- Fractions, decimals and percentages	Ordering and rounding decimals involving rounding			
	Equivalent fractions, decimals and percentages			
	Percentages <i>Key vocabulary</i> common factors, simplify	Practice SATs papers		
Statistics 1	Interpret tables, graphs and timetables			
	Construct pie charts and line graphs			
	Line graphs Calculate mean <i>Key vocabulary</i> pie chart, mean, average			
Calculations 3	Common factors, multiples and prime numbers			
	Simplify fractions			
	Order of operations Use estimation <i>Key vocabulary</i> Common multiples	Practice SATs papers		
Geometry 2- Position and direction	Co-ordinates; reflection; translation			
	<i>Key vocabulary</i> coordinate plane			
Ratio and proportion	Percentages			
	Scale factors; ratio; proportion			
	<i>Key vocabulary</i> ratio, proportion, scale factor			
Measurement 2	Volume			
	Conversion of units of measure			
	Area of rectangles, parallelograms and triangles; perimeter and area problems <i>Key vocabulary</i> cubic			
Number 3 Fractions, decimals and percentages	Compare and order fractions	SATs week		
	Add and subtract fractions			
	Multiply two fractions Divide fractions Equivalences <i>Key vocabulary</i> Proper fractions			
Geometry 3	3D shapes- nets			
	Draw 2D shapes			
	Calculate missing angles <i>Key vocabulary</i> nets			
Algebra 1	Formulae; sequences			
	Missing numbers in calculations			
	<i>Key vocabulary</i> variables, formulae, linear			
Catch up of topics and areas of weakness over the whole year based on end of year assessment in preparation for year 7				
		End of Year GL Assessment		