Year 6 – Overview



Autumn	Place Value	Addition and	Multiplication and	Measures	Geometry - Angles, 3D sh
/ lacarrit	Read, write, order and	subtraction	Division	Use, read, write and convert between	Draw 2-D shapes using given
	compare numbers up to	Practise addition and	Multiply and divide	standard units, converting	dimensions and angles
	10 000 000 and	subtraction, for larger	numbers by 10, 100 and	measurements of length, mass, volume	
	determine the value of	numbers, using the	1000 giving answers up to	and time from a smaller unit of	Recognise, describe and build simple 3-
	each digit.	formal written methods	three decimal places.	measure to a larger unit, and vice versa, using decimal notation to up to three	D shapes, including making nets
	Y5	of columnar addition and	Dupation multiplication	decimal places	Compare and classify geometric shapes
	Recognise and use	subtraction	Practise multiplication and division for larger		based on their properties and sizes and
	thousandths and relate	Perform mental	numbers, using the formal	Solve problems involving the	find unknown angles in any triangles,
	them to tenths,	calculations, including	written method of, short	calculation and conversion of units of	quadrilaterals, and regular polygons
	hundredths and decimal	with mixed operations	multiplication and short	measure, using decimal notation up to	
	equivalents	and large numbers.	division	three decimal places where appropriate	Recognise angles where they meet at a
					point, are on a straight line, or are
	Identify the value of each	Solve addition and	Multiply multi-digit		vertically opposite, and find missing
	digit in numbers given to three decimal places	subtraction multi step	numbers up to 4 digits by	Convert between miles and kilometres	angles.
	tillee deciliar places	problems in contexts,	a 2 digit number using the		Illustrate and name parts of circles,
	Round any whole	deciding which operations and methods	formal written method of long multiplication.	Recognise that shapes with the same	including radius, diameter and
	number to a required	to use and why.	iong multiplication.	areas can have different perimeters	circumference and know that the
	degree of accuracy.	to use and wity.	Divide multi-digit	and vice versa	diameter is twice the radius
		Use estimation to check	numbers up to 4 digits by		
	Solve number and	answers to calculations	a 2 digit whole	Recognise when it is possible to use	
	practical problems that	and determine, in the	number using the formal	formulae for area and volume of shapes	
	involve all of the above	context of a problem, an	written method of long		
		appropriate degree of	division and interpret	Calculate the area of parallelograms and triangles	
		accuracy.	remainders as whole		
			number remainders, fractions, or by rounding,	Calculate, estimate and compare	
			as appropriate for the	volume of cubes and cuboids using	
			context	standard units, including cubic	
				centimetres (cm ³) and cubic metres	
			Divide numbers up to 4	(m ³), and extending to other units [for	
			digits by a 2 digit number	example, mm ³ and km ³].	
			using the formal written		
			method of short division,		
			interpreting remainders		
			according to context.		
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	Perform mental calculations, including with mixed operations and large numbers.Perform multiplication and division	
	Explore the order of operations using brackets; use their knowledge of the order of operations to carry out calculations involving the four operations	
	Identify common factors, common multiples and prime numbers	

Spring	Geometry – position	Fractions and Decimals	Percentage and ratio	Algebra	Statistics
	and movement	Associate a fraction with division and	Recall and use equivalences between	Use simple formulae	Interpret and construct
	Use negative numbers in	calculate decimal fraction equivalents.	simple fractions, decimals and		pie charts and line graphs
	context, and calculate		percentages, including in different	Generate and describe	and use these to solve
	intervals across zero.	Use common factors to simplify fractions; use common multiples to express	contexts.	linear number sequences	problems
	Describe positions on the	fractions in the same denomination.	Solve problems involving the	Express missing number	Calculate and interpret
	full coordinate grid (all		calculation of percentages and use	problems algebraically	the mean as an average.
	four quadrants)	Compare and order fractions, including	percentages as comparison		
		fractions > 1.		Find pairs of numbers	
	Draw and translate		Solve problems involving the relative	that satisfy an equation	
	simple shapes on the	Add and subtract fractions with different	sizes of two quantities where missing	with two unknowns	
	coordinate plane, and	denominators and mixed numbers, using	values can be found by using integer	enumerate possibilities of	
	reflect them in the axes.	the concept of equivalent fractions.	multiplication and division facts	combinations of 2 variables	
		Multiply simple pairs of proper fractions,	Solve problems involving unequal		
		writing the answer in its simplest form	sharing and grouping using		
		[for example, $\frac{1}{4} \times \frac{1}{2} = 1/8$.	knowledge of fractions and multiples		
		Divide proper fractions by a whole	Solve problems involving similar		
		number eg	shapes where the scale factor is		
		$\gamma_3 \div 2 = \gamma_6$	known or can be found		

Summer	Revision for SATs	SATs	Post SATS project work
			Pre secondary school unit