

Year 6 Small Steps Maths Planning: Steps taken from White Rose planning.

For detail about each step, please refer to the relevant White Rose Scheme of Learning
Please remember that each step is not necessarily one lesson. In some cases, depending on the cohort, one step may take several lessons, in others, more than one step may be incorporated into a single lesson.

Autumn term		
Number: Place Value		
	Step	White Rose SOW Position
	Numbers to 1,000,000	Autumn
	Numbers to 10,000,000	Autumn
	Read and write numbers to 10,000,000	Autumn
	Powers of 10	Autumn
	Number line to 10,000,000	Autumn
	Compare and order any integer	Autumn
	Round any integer	Autumn
	Negative numbers	Autumn
Number: Addition, subtraction, multiplication and division		
	Add and subtract integers	Autumn
	Common Factors	Autumn
	Common multiples	Autumn
	Rules of divisibility	Autumn
	Primes to 100	Autumn
	Square and Cube Numbers	Autumn
	Multiply up to a 4-digit number by a 2-digit number	Autumn
	Solve problems with multiplication	Autumn
	Short division	Autumn
	Division using factors	Autumn
	Introduction to long division	Autumn
	Long division with remainders	Autumn
	Solve problems with division	Autumn
	Solve multi-step problems	Autumn

	Order of operations	Autumn
	Mental Calculations and estimation	Autumn
	Reason from known facts	Autumn
Number: Fractions A		
	Equivalent Fractions and simplifying	Autumn
	Equivalent fractions on a number line	Autumn
	Compare and order (denominator)	Autumn
	Compare and order (numerator)	Autumn
	Add and subtract simple fractions	Autumn
	Add and subtract any two fractions	Autumn
	Add mixed numbers	Autumn
	Subtract mixed numbers	Autumn
	Multi-step problems	Autumn
Number: Decimals		
	Place Value within 1	Spring
	Place Value - integers and decimals	Spring
	Round decimals	Spring
	Add and subtract decimals	Spring
Number: Fractions B		
	Multiply fractions by integers	Autumn
	Multiply fractions by fractions	Autumn
	Divide a fraction by an integer	Autumn
	Divide any fraction by an integer	Autumn
	Mixed questions with fractions	Autumn
	Fraction of an amount	Autumn
	Fraction of an amount - find the whole	Autumn
Measurement: Converting Units		
	Metric measures	Autumn
	Convert Metric Measures	Autumn
	Calculate with metric measures	Autumn

	Miles and kilometres	Autumn
	Imperial measures	Autumn

Spring term		
Number: Decimals		
	Step	White Rose SOW Position
	Multiply by 10, 100 and 1,000	Spring
	Divide by 10, 100 and 1,000	Spring
	Multiply decimals by integers	Spring
	Divide decimals by integers	Spring
	Multiply and divide decimals in context	Spring
Number: Ratio		
	Add or multiply?	Spring
	Use ratio language	Spring
	Introduction to the ratio symbol	Spring
	Ratio and fractions	Spring
	Ratio Problems	Spring
	Proportion Problems	Spring
	Recipes	Spring
Number: Fractions, decimals and percentages		
	Decimal and fraction equivalents	Spring
	Fractions as division	Spring
	Understand percentages	Spring
	Fractions to percentages	Spring
	Equivalent fractions, decimals and percentages	Spring
	Order fractions, decimals and percentages	Spring
	Percentage of an amount - one step	Spring
	Percentage of an amount - multi-step	Spring
	Percentages - missing values	Spring
Geometry: Position and Direction		

	The first quadrant	Summer
	Read and plot points in four quadrants	Summer
	Solve problems with co-ordinates	Summer
	Translations	Summer
	Reflections	Summer
Measurement: Area, perimeter and volume		
	Shapes - same area	Spring
	Area and Perimeter	Spring
	Area of a Triangle - counting Squares	Spring
	Area of a right-angled triangle	Spring
	Area of any Triangle	Spring
	Area of a Parallelogram	Spring
	Volume - counting cubes	Spring
	Volume of a cuboid	Spring
Statistics		
	Line graphs	Spring
	Dual Bar charts	Spring
	Read and interpret pie charts	Spring
	Pie charts with percentages	Spring
	Draw pie charts	Spring
	The mean	Spring
Number: Algebra		
	1-step function machines	Spring
	2-step function machines	Spring
	Form expressions	Spring
	Substitution	Spring
	Formulae	Spring

Summer term		
Geometry: Shape		
	Step	White Rose SOW Position
	Measure and classify angles	Summer
	Calculate angles	Summer
	Vertically opposite angles	Summer
	Angles in triangles	Summer
	Angles in triangle - special cases	Summer
	Angles in triangles - missing angles	Summer
	Angles in quadrilaterals	Summer
	Circles	Summer
Number: Ratio		
	Scale drawing	Spring
	Using scale factors	Spring
	Similar shapes	Spring
Number: Algebra		
	Form equations	Spring
	Solve 1-step problems	Spring
	Solve 2-step problems	Spring
	Find pairs of values	Spring
	Solve problems with 2 unknowns	Spring
Geometry: Shape		
	Angles in polygons	Summer
	Nets of shapes	Summer
	Draw shapes accurately	Summer

