

White Rose Maths V3 – Autumn Term – Y6

Block 1 – Place Value	Block 2 – Addition, Subtraction, Multiplication & Division	Block 3 – Fractions A	Block 4 – Fractions B	Block 5 – Converting Units
Numbers to 1,000,000	Add and subtract integers	Equivalent fractions and simplifying	Multiply fractions by integers	Metric measures
Numbers to 10,000,000	Common factors	Equivalent fractions on a number line	Multiply fractions by fractions	Convert metric measures
Read and write numbers to 10,000,000	Common multiples	Compare and order (denominator)	Divide a fraction by an integer	Calculate with metric measures
Powers of 10	Rules of divisibility	Compare and order (numerator)	Divide any fraction by an integer	Miles and kilometres
Number line to 10,000,000	Primes to 100	Add and subtract simple fractions	Mixed questions with fractions	Imperial measures
Compare and order any integers	Square and cube numbers	Add and subtract any two fractions	Fraction of an amount	
Round any integers	Multiply up to a 4-digit number by a 2-digit number	Add mixed numbers	Fraction of an amount - find the whole	
Negative numbers	Solve problems with multiplication	Subtract mixed numbers		
	Short division	Multi-step problems		
	Division using factors			
	Introduction to long division			
	Long division with remainders			
	Solve problems with division			
	Solve multi-step problems			
	Order of operations			
	Mental calculations and estimation			
	Reason from known facts			

White Rose Maths V3 – Spring Term – Y6

Block 1 – Ratio	Block 2 – Algebra	Block 3 - Decimals	Block 4 – Fractions, Decimals & Percentages	Block 5 – Perimeter, Area & Volume	Block 6 - Statistics
Add or multiply?	1-step function machines	Place value within 1	Decimal and fraction equivalents	Shapes – same area	Line graphs
Using ratio language	2-step function machines	Place value – integers and decimals	Fraction as division	Area and perimeter	Dual bar charts
Introduction to the ratio symbol	Form expressions	Round decimals	Understand percentages	Area of a triangle – counting squares	Read and interpret pie charts
Ratio and fractions	Substitution	Add and subtract decimals	Fractions to percentages	Area of a right-angled triangle	Pie charts with percentages
Scale drawing	Formulae	Multiply by 10, 100 and 1,000	Equivalent fractions, decimals and percentages	Area of any triangle	Draw pie charts
Using scale factors	Form equations	Divide by 10, 100 and 1,000	Order fractions, decimals and percentages	Area of a parallelogram	The mean
Similar shapes	Solve 1-step equations	Multiply decimals by integers	Percentage of an amount – one step	Volume – counting cubes	
Ratio problems	Solve 2-step equations	Divide decimals by integers	Percentage of an amount – multi-step	Volume of a cuboid	
Proportion problems	Find pairs of values	Multiply and divide decimals in context	Percentages – missing values		
Recipes	Solve problems with two unknowns				

White Rose Maths V3 – Summer Term – Y6

Block 1 – Shape	Block 2 – Position & Direction	Block 3 – Themed Projects, Consolidation & Problem Solving
Measure and classify angles	The first quadrant	
Calculate angles	Read and plot points in four quadrants	
Vertically opposite angles	Solve problems with coordinates	
Angles in a triangle	Translations	
Angles in a triangle – special cases	Reflections	
Angles in a triangle – missing angles		
Angles in quadrilaterals		
Angles in polygons		
Circles		
Draw shapes accurately		
Nets of 3-D shapes		

