

White Rose Maths V3 – Autumn Term – Y5

Block 1 – Place Value	Block 2 – Addition & Subtraction	Block 3 – Multiplication & Division	Block 4 – Fractions A
Roman numerals to 1,000	Mental strategies	Multiples	Find fractions equivalent to a unit fraction
Numbers to 10,000	Add whole numbers with more than four digits	Common multiples	Find fractions equivalent to a non-unit fraction
Numbers to 100,000	Subtract whole numbers with more than four digits	Factors	Recognise equivalent fractions
Numbers to 1,000,000	Round to check answers	Common factors	Convert improper fractions to mixed numbers
Read and write numbers to 1,000,000	Inverse operations (addition and subtraction)	Prime numbers	Convert mixed numbers to improper fractions
Powers of 10	Multi-step addition and subtraction problems	Square numbers	Compare fractions less than 1
10/100/1,000/10,000/100,000 more or less	Compare calculations	Cube numbers	Order fractions less than 1
Partition numbers to 1,000,000	Find missing numbers	Multiply by 10, 100 and 1,000	Compare and order fractions greater than 1
Number line to 1,000,000		Divide by 10, 100 and 1,000	Add and subtract fractions with the same denominator
Compare and order numbers to 100,000		Multiples of 10, 100 and 1,000	Add fractions within 1
Compare and order numbers to 1,000,000			Add fractions with total greater than 1
Round to the nearest 10, 100 or 1,000			Add to a mixed number
Round within 100,000			Add two mixed numbers
Round within 1,000,000			Subtract fractions
			Subtract from a mixed number
			Subtract from a mixed number - breaking the whole
			Subtract two mixed numbers

White Rose Maths V3 – Spring Term – Y5

Block 1 – Multiplication & Division B	Block 2 – Fractions B	Block 3 – Decimals & Percentages	Block 4 – Perimeter & Area	Block 5 - Statistics
Multiply up to a 4-digit number by a 1-digit number	Multiply a unit fraction by an integer	Decimals up to 2 decimal places	Perimeter of rectangles	Draw line graphs
Multiply a 2-digit number by a 2-digit number (area model)	Multiply a non-unit fraction by an integer	Equivalent fractions and decimals (tenths)	Perimeter of rectilinear shapes	Read and interpret line graphs
Multiply a 2-digit number by a 2-digit number	Multiply a mixed number by an integer	Equivalent fractions and decimals (hundredths)	Perimeter of polygons	Read and interpret tables
Multiply a 3-digit number by a 2-digit number	Calculate a fraction of a quantity	Equivalent fractions and decimals	Area of rectangles	Two-way tables
Multiply a 4-digit number by a 2-digit number	Fraction of an amount	Thousandths as fractions	Area of compound shapes	Read and interpret timetables
Solve problems with multiplication	Find the whole	Thousandths as decimals	Estimate area	
Short division	Use fractions as operators	Thousandths on a place value chart		
Divide a 4-digit number by a 1-digit number		Order and compare decimals (same number of decimal places)		
Divide with remainders		Order and compare any decimals with up to 3 decimal places		
Efficient division		Round to the nearest whole number		
Solve problems with multiplication and division		Round to 1 decimal place		
		Understand percentages		
		Percentages as fractions		
		Percentages as decimals		
		Equivalent fractions, decimals and percentages		

White Rose Maths V3 – Summer Term – Y5

Block 1 – Shape	Block 2 – Position & Direction	Block 3 - Decimals	Block 4 – Negative Numbers	Block 5 – Converting Units	Block 6 - Volume
Understand and use degrees	Read and plot coordinates	Use known facts to add and subtract decimals within 1	Understand negative numbers	Kilograms and kilometres	Cubic centimetres
Classify angles	Problem solving with coordinates	Complements to 1	Count through zero in 1s	Millimetres and millilitres	Compare volume
Estimate angles	Translation	Add and subtract decimals across 1	Count through zero in multiples	Convert units of length	Estimate volume
Measure angles up to 180°	Translation with coordinates	Add decimals with the same number of decimal places	Compare and order negative numbers	Convert between metric and imperial units	Estimate capacity
Draw lines and angles accurately	Lines of symmetry	Subtract decimals with the same number of decimal places	Find the difference	Convert units of time	
Calculate angles around a point	Reflection in horizontal and vertical lines	Add decimals with different numbers of decimal places		Calculate with timetables	
Calculate angles on a straight line		Subtract decimals with different numbers of decimal places	Block 5 – Converting Units		
Lengths and angles in shapes		Efficient strategies for adding and subtracting decimals			
Regular and irregular polygons		Decimal sequences			
3-D shapes		Multiply by 10, 100 and 1,000			
		Divide by 10, 100 and 1,000			
		Multiply and divide decimals - missing values			

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<div>Number</div> <div>Place value</div> <div>FREE TRIAL</div> <div>VIEW</div>			<div>Number</div> <div>Addition and subtraction</div> <div>VIEW</div>		<div>Number</div> <div>Multiplication and division A</div> <div>VIEW</div>		<div>Number</div> <div>Fractions A</div> <div>VIEW</div>				
Spring term	<div>Number</div> <div>Multiplication and division B</div> <div>VIEW</div>			<div>Number</div> <div>Fractions B</div> <div>VIEW</div>		<div>Number</div> <div>Decimals and percentages</div> <div>VIEW</div>		<div>Measurement</div> <div>Perimeter and area</div> <div>VIEW</div>	<div>Statistics</div> <div>VIEW</div>			
Summer term	<div>Geometry</div> <div>Shape</div> <div>VIEW</div>			<div>Geometry</div> <div>Position and direction</div> <div>VIEW</div>		<div>Number</div> <div>Decimals</div> <div>VIEW</div>		<div>Number</div> <div>Negative numbers</div> <div>VIEW</div>	<div>Measurement</div> <div>Converting units</div> <div>VIEW</div>		<div>Measurement</div> <div>Volume</div> <div>VIEW</div>	