



White Rose Maths - Yearly Overview: Year 5/6

	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 Year 5/6	Number: Place Value <ul style="list-style-type: none"> • Step 1 Roman numerals to 1,000 • Step 2 Numbers to 100,000 • Step 3 Numbers to 1,000,000 • Step 4 Read and write numbers to 1,000,000 • Step 5 Numbers to 10,000,000 • Step 6 Read and write numbers to 10,000,000 • Step 7 Powers of 10 • Step 8 Partition numbers to 10,000,000 • Step 9 Number line to 10,000,000 • Step 10 Compare and order any integers • Step 11 Round within 100,000 • Step 12 Round any integer • Step 13 Count through zero • Step 14 Compare and order negative numbers • Step 15 Negative numbers 			Number: Addition and subtraction <ul style="list-style-type: none"> • Step 1 Mental strategies • Step 2 Add integers • Step 3 Subtract integers • Step 4 Inverse operations and missing numbers • Step 5 Reason from known facts 	Number: Multiplication and division A <ul style="list-style-type: none"> • Step 1 Multiples • Step 2 Common multiples • Step 3 Factors • Step 4 Common factors • Step 5 Rules of divisibility • Step 6 Prime numbers • Step 7 Square and cube numbers • Step 8 Multiply by 10, 100 and 1,000 • Step 9 Divide by 10, 100 and 1,000 	Number: Fractions A <ul style="list-style-type: none"> • Step 1 Recognise equivalent fractions • Step 2 Equivalent fractions and simplifying • Step 3 Equivalent fractions on a number line • Step 4 Convert improper fractions to mixed numbers • Step 5 Convert mixed numbers to improper fractions • Step 6 Compare fractions (denominator) • Step 7 Compare fractions (numerator) • Step 8 Order fractions • Step 9 Add and subtract fractions with the same denominator • Step 10 Add fractions where one denominator is a multiple of the other • Step 11 Add any two fractions • Step 12 Add mixed numbers • Step 13 Subtract fractions where one denominator is a multiple of the other • Step 14 Subtract any two fractions • Step 15 Subtract from a mixed number • Step 16 Subtract from a mixed number – breaking the whole • Step 17 Subtract two mixed numbers • Step 18 Multi-step problems 					Number: Multiplication and division B <ul style="list-style-type: none"> • Step 1 Multiply a 2-digit number by a 2-digit number • Step 2 Multiply up to a 4-digit number by a 2-digit number • Step 3 Solve problems with multiplication • Step 4 Short division • Step 5 Divide a 4-digit number by a 1-digit number • Step 6 Division using factors • Step 7 Introduction to long division • Step 8 Long division with remainders • Step 9 Solve problems with division • Step 10 Efficient division • Step 11 Solve multi-step problems • Step 12 Order of operations • Step 13 Mental calculations and estimation • Step 14 Reason from known facts 	



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Spring Year 5/6	Number: Multiplication and division B <ul style="list-style-type: none"> Step 1 Multiply a unit fraction by an integer Step 2 Multiply a non-unit fraction by an integer Step 3 Multiply a mixed number by an integer Step 4 Multiply fractions by fractions Step 5 Divide a fraction by an integer Step 6 Divide any fraction by an integer Step 7 Fraction of an amount Step 8 Fraction of an amount – find the whole 	Number: Fractions B <ul style="list-style-type: none"> Step 1 Decimals up to 2 decimal places Step 2 Decimals up to 3 decimal places Step 3 Place value – integers and decimals Step 4 Order and compare decimals (same number of d.p.) Step 5 Order and compare decimals with up to 3 decimal places Step 6 Round to the nearest whole number Step 7 Round to 1 decimal place Step 8 Round to 2 decimal places 		Number: Decimals A <ul style="list-style-type: none"> Step 1 Perimeter of rectangles and rectilinear shapes Step 2 Area of rectangles Step 3 Area of compound shapes Step 4 Estimate area Step 5 Area of triangles Step 6 Area of parallelograms Step 7 Volume – cubic centimetres Step 8 Volume of a cuboid Step 9 Compare volume Step 10 Estimate volume and capacity 		Measurement: Area, perimeter and volume <ul style="list-style-type: none"> Step 1 Use known facts to add and subtract decimals within 1 Step 2 Complements to 1 Step 3 Add and subtract decimals across 1 Step 4 Add decimals with the same number of d.p. Step 5 Subtract decimals with the same number of d.p. Step 6 Add decimals with different numbers of d.p. Step 7 Subtract decimals with different numbers of d.p. Step 8 Efficient strategies Step 9 Decimal sequences Step 10 Multiply by 10, 100 and 1,000 Step 11 Divide by 10, 100 and 1,000 Step 12 Multiply decimals by integers Step 13 Divide decimals by integers Step 14 Multiply and divide decimals in contexts 		Number: Decimals B <ul style="list-style-type: none"> Step 1 Equivalent fractions and decimals – tenths Step 2 Equivalent fractions and decimals – hundredths Step 3 Equivalent fractions and decimals – thousandths Step 4 Fractions as division Step 5 Understand percentages Step 6 Percentages as fractions Step 7 Percentages as decimals Step 8 Equivalent F, D, P Step 9 Order F, D, P Step 10 Percentages of an amount 		Number: Fractions, decimals and percentages <ul style="list-style-type: none"> Step 1 Kilograms and kilometres Step 2 Millimetres and millilitres Step 3 Convert metric units Step 4 Miles and kilometres Step 5 Imperial measures Step 6 Convert units of time Step 7 Calculate with timetables 		



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Summer Year 5/6	Ratio <ul style="list-style-type: none"> • Step 1 Add or multiply? • Step 2 Use ratio language • Step 3 Ratio and fractions • Step 4 Use scale factors • Step 5 Similar shapes • Step 6 Ratio problems • Step 7 Proportion problems 	Algebra <ul style="list-style-type: none"> • Step 1 Function machines • Step 2 Form expressions • Step 3 Substitution • Step 4 Formulae • Step 5 Form equations • Step 6 Solve equations • Step 7 Find pairs of values • Step 8 Solve problems with two unknowns 	Geometry: Shape <ul style="list-style-type: none"> • Step 1 Understand and use degrees • Step 2 Classify angles (include estimate) • Step 3 Measure angles (include estimate) • Step 4 Calculate angles around a point • Step 5 Calculate angles on a straight line • Step 6 Vertically opposite angles • Step 7 Angles in a triangle (include missing angles) • Step 8 Angles in a triangle – special cases (include missing angles) • Step 9 Angles in quadrilaterals • Step 10 Regular polygons • Step 11 Irregular polygons • Step 12 Circles • Step 13 Draw shapes • Step 14 3-D shapes 	Geometry: Position and direction <ul style="list-style-type: none"> • Step 1 The first quadrant • Step 2 Four quadrants • Step 3 Solve problems with coordinates • Step 4 Translations • Step 5 Lines of symmetry • Step 6 Reflections 	Statistics <ul style="list-style-type: none"> • Step 1 Draw line graphs • Step 2 Read and interpret line graphs • Step 3 Bar charts (to include dual bar charts) • Step 4 Tables (to include two-way table) • Step 5 Timetables • Step 6 Read and interpret pie charts • Step 7 Pie charts with percentages • Step 8 Draw pie charts • Step 9 The mean 	Measurement: Converting units <ul style="list-style-type: none"> • Step 1 Kilograms and kilometres • Step 2 Millimetres and millilitres • Step 3 Convert metric units • Step 4 Miles and kilometres • Step 5 Imperial measures • Step 6 Convert units of time • Step 7 Calculate with timetables 						