



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	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	Number: Multiplication and division B <ul style="list-style-type: none"> Step 1 Multiply a unit fraction by an integer 	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.) 	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 	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. 	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 			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 				



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	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Step 7 Percentages as decimals Step 8 Equivalent F, D, P Step 9 Order F, D, P Step 10 Percentages of an amount 	<ul style="list-style-type: none"> Step 6 Convert units of time Step 7 Calculate with timetables
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	Week 1:	Week 2:	Week 3:	Week 4:	Week 5:	Week 6:	Week 7:	Week 8:	Week 9:	Week 10:	Week 11:	Week 12:
Summer	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 	Algebra <ul style="list-style-type: none"> Step 1 Function machines Step 2 Form expressions Step 3 Substitution Step 4 Formulae 	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) 				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 		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 		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 	



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	<ul style="list-style-type: none">• Step 5 Similar shapes• Step 6 Ratio problems• Step 7 Proportion problems	<ul style="list-style-type: none">• Step 5 Form equations• Step 6 Solve equations• Step 7 Find pairs of values• Step 8 Solve problems with two unknowns	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Step 6 Reflections	<ul style="list-style-type: none">• Step 6 Read and interpret pie charts• Step 7 Pie charts with percentages• Step 8 Draw pie charts• Step 9 The mean	<ul style="list-style-type: none">• Step 7 Calculate with timetables
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