

Maths Medium Term Planning

Year 6

Autumn term	Number Place value	Number Addition, subtraction, multiplication and division	Number Fractions A	Number Fractions B	Measurement Converting units
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Autumn Term

<u>Week</u>	<u>Small Step Focus</u>	<u>Week</u>	<u>Small Step Focus</u>
Week 1	Y5 Objective Priorities Step 1 Metric measures Step 2 Convert metric measures Step 3 Calculate with metric measures Step 4 Miles and kilometres Step 5 Imperial measures	Week 8	Step 10 Division using factors Step 11 Introduction to long division Step 12 Long division with remainders Step 13 Solve problems with division
Week 2	Step 1 Numbers to 1,000,000 Step 2 Numbers to 10,000,000 Step 3 Read and write numbers to 10,000,000	Week 9	Step 14 Solve multi-step problems Step 15 Order of operations Step 16 Mental calculations and estimation
Week 3	Step 4 Powers of 10 Step 5 Number line to 10,000,000 Step 6 Compare and order any integers	Week 10	Step 17 Reason from known facts Step 1 Equivalent fractions and simplifying Step 2 Equivalent fractions on a number line
Week 4	Step 7 Round any integer Step 8 Negative numbers Step 1 Add and subtract integers	Week 11	Residential Visit Step 3 Compare and order (denominator)
Week 5	Step 2 Common factors Step 3 Common multiples Step 4 Rules of divisibility	Week 12	Step 4 Compare and order (numerator) Step 5 Add and subtract simple fractions Step 6 Add and subtract any two fractions
Week 6	Step 5 Primes to 100 Step 6 Square and cube numbers Mock SAT Assessments 2017	Week 13	WRM Assessments Step 7 Add mixed numbers
Week 7	Step 7 Multiply up to a 4-digit number by a 2-digit number Step 8 Solve problems with multiplication Step 9 Short division	Week 14	Step 8 Subtract mixed numbers Step 9 Multi-step problems

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Spring term	Number Ratio	Number Algebra	Number Decimals	Number Fractions decimals and percentages	Measurement Area, perimeter and volume	Statistics
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Spring Term

<u>Week</u>	<u>Small Step Focus</u>	<u>Week</u>	<u>Small Step Focus</u>
Week 1	Step 1 Multiply fractions by integers Step 2 Multiply fractions by fractions Step 3 Divide a fraction by an integer	Week 8	Step 8 Solve 2-step equations Step 9 Find pairs of values Step 10 Solve problems with two unknowns Step 1 Place value within 1
Week 2	Step 4 Divide any fraction by an integer Step 5 Mixed questions with fractions Step 6 Fraction of an amount	Week 9	Step 2 Place value – integers and decimals Step 3 Round decimals Step 4 Add and subtract decimals Step 5 Multiply by 10, 100 and 1,000 Step 6 Divide by 10, 100 and 1,000
Week 3	Step 7 Fraction of an amount – find the whole Step 1 Add or multiply? Step 2 Use ratio language Step 3 Introduction to the ratio symbol	Week 10	Step 7 Multiply decimals by integers Step 8 Divide decimals by integers Step 9 Multiply and divide decimals in context Step 1 Decimal and fraction equivalents Step 2 Fractions as division
Week 4	Step 4 Ratio and fractions Step 5 Scale drawing Step 6 Use scale factors Step 7 Similar shapes	Week 11	Step 3 Understand percentages Step 4 Fractions to percentages Step 5 Equivalent fractions, decimals and percentages Step 6 Order fractions, decimals and percentages Step 7 Percentage of an amount – one step
Week 5	Step 8 Ratio problems Step 9 Proportion problems Step 10 Recipes Step 1 1-step function machines	Week 12	Step 8 Percentage of an amount – multi-step Step 9 Percentages – missing values WRM Assessments
Week 6	Mock SAT Assessments 2019 Step 2 2-step function machines Step 3 Form expressions	Week 13	Step 1 Shapes – same area Step 2 Area and perimeter Step 3 Area of a triangle – counting squares Step 4 Area of a right-angled triangle Step 5 Area of any triangle

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Week 7	Step 4 Substitution Step 5 Formulae Step 6 Form equations Step 7 Solve 1-step equations		
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Summer term	Geometry Shape	Geometry Position and direction	Themed projects, consolidation and problem solving
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<u>Summer Term</u>			
<u>Week</u>	<u>Small Step Focus</u>	<u>Week</u>	<u>Small Step Focus</u>
Week 1 Area, Perimeter & Volume Continued.	Step 6 Area of a parallelogram Step 7 Volume – counting cubes Step 8 Volume of a cuboid Step 1 Line graphs Step 2 Dual bar charts	Week 8 Shape	Step 7 Angles in a quadrilateral Step 8 Angles in polygons Step 9 Circles
Week 2 Statistics	Step 3 Read and interpret pie charts Step 4 Pie charts with percentages Step 5 Draw pie charts Step 6 The mean	Week 9 Shape	Step 10 Draw shapes accurately Step 11 Nets of 3-D shapes End of Unit Check
Week 3 SATS WEEK	Assessments	Week 10 Position & Direction	Step 1 The first quadrant Step 2 Read and plot points in four quadrants Step 3 Solve problems with coordinates Step 4 Translations Step 5 Reflections
Week 4 Shape	Step 1 Measure and classify angles Step 2 Calculate angles Step 3 Vertically opposite angles	Week 11 Problem Solving	Number - addition, subtraction, multiplication and division solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Number - addition, subtraction, multiplication and division use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy Number - addition, subtraction, multiplication and division use their knowledge of the order of operations to carry out calculations involving the four operations
Week 5	Step 4 Angles in a triangle Step 5 Angles in a triangle – special cases Step 6 Angles in a triangle – missing angles	Week 12 Problem Solving	Number - addition, subtraction, multiplication and division solve problems involving addition, subtraction, multiplication and division Number - fractions (including decimals and percentages) recall and use equivalences between simple fractions, decimals and percentages, including in different contexts

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			<p>Ratio and proportion solve problems involving unequal sharing and grouping using knowledge of fractions and multiples</p> <p>Ratio and proportion solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts</p>
Week 6		Week 13 Problem Solving	<p>Measurement use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places</p> <p>Geometry - position and direction describe positions on the full coordinate grid (all four quadrants)</p> <p>Geometry - properties of shapes solve problems using the angle sum of triangles and quadrilaterals, angles on a straight line or at a point, and vertically opposite angles</p>
Week 7		Week 14	