

# YEAR 5/6 MATHS MEDIUM TERM PLAN



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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
	Place Value			Addition, subtraction, multiplication and division				Fractions A				<u>Year 5- Fractions</u> Subtract fractions Subtract from a mixed number Subtract from a mixed number – breaking the whole Subtract two mixed numbers
Autumn term	<u>Year 5</u> Roman numerals to 1,000 Numbers to 10,000, 100,000 and 1,000,000 Read and write numbers to 1,000,000 Powers of 10 10/100/1,000/ 10,000/100,000 more or less Partition numbers/ number lines to 1,000,000 Compare and order numbers to 100,000 and 1,000,000 Round to the nearest 10, 100 or 1,000	<u>Year 6</u> Numbers to 1,000,000 Numbers to 10,000,000 Read and write numbers to 10,000,000 Powers of 10 Number lines to 10,000,000 Compare and order any integers Round any integer Negative numbers	<u>Year 5</u> Mental strategies Add and subtract whole numbers with more than four digits Round to check answers Inverse operations (+ and -) Multi-step addition and subtraction problems Compare calculations Find missing numbers  Multiples Common multiples Factors Common factors Prime numbers Square numbers Cube numbers Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000	<u>Year 6</u> Add and subtract integers Common factors Common multiples Rules of divisibility Primes to 100 Square and cube numbers Multiply up to a 4-digit number by a 2-digit number Solve problems with multiplication Short division Division using factors Introduction to long division Long division with remainders Solve problems with division Solve multi-step problems with division	<u>Year 5</u> Find fractions equivalent to a unit and non-unit fraction Recognise equivalent fractions Convert improper fractions to mixed numbers Convert mixed numbers to improper fractions Compare and order fractions less than 1 Compare and order fractions greater than 1 Add and subtract fractions with the same denominator Add fractions within 1 Add fractions with total greater than 1 Add to a mixed number	<u>Year 6</u> Equivalent fractions and simplifying Equivalent fractions on a number line Compare and order (denominator) Compare and order (numerator)  <u>Year 6- Ratio and Algebra</u> Add or multiply? Use ratio language Introduction to the ratio symbol Ratio and fractions Ratio problems	<u>Year 6- Ratio and Algebra</u> Proportion problems Recipes  1-step function machines 2-step function machines Form expressions Substitution Formulae					

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	Round within 100,000 and 1,000,000		Multiples of 10, 100 and 1,000	Order of operations Mental calculations and estimation Reason from known facts	Add two mixed numbers		
Spring term	<p><b>Fractions B</b> <b>Year 5</b> Multiply a unit fraction by an integer Multiply a non-unit fraction by an integer Multiply a mixed number by an integer Calculate a fraction of a quantity Fraction of an amount Find the whole Use fractions as operators</p>	<p><b>Decimals A</b> <b>Year 5</b> Decimals up to 2 decimal places Equivalent fractions and decimals (tenths and hundredths) Equivalent fractions and decimals Thousandths as decimals Thousandths on a place value chart Order and compare decimals (same number of decimal places)</p>	<p><b>Measurement- Area, perimeter and volume</b> <b>Year 5</b> Perimeter of rectangles Perimeter of rectilinear shapes Perimeter of polygons Area of rectangles Area of compound shapes Estimate area</p>	<p><b>Decimals B, fractions and percentages</b> <b>Year 5</b> Order and compare any decimals with up to 3 decimal places Round to the nearest whole number Round to 1 decimal place</p>	<p><b>Fractions, Decimals and percentages</b> <b>Year 5</b> Understand percentages Percentages as fractions Percentages as decimals Equivalent fractions, decimals and percentages</p>	<p><b>Statistics</b> <b>Year 5</b> Draw line graphs Read and interpret line graphs</p>	
	<p><b>Year 6</b> Add and subtract simple fractions Add and subtract any two fractions Add mixed numbers Subtract mixed numbers Multi-step problems</p>	<p><b>Year 6</b> Place value within 1 Place value – integers and decimals Round decimals</p>	<p><b>Year 6</b> Shapes – same area Area and perimeter Area of a triangle – counting squares Area of a right-angled triangle Area of any triangle Area of a parallelogram</p>	<p><b>Year 6</b> Add and subtract decimals Multiply and divide by 10, 100 and 1,000 Multiply and divide decimals by integers Multiply and divide decimals in context Decimal and fraction equivalents Fractions as division</p>	<p><b>Year 6</b> Understand percentages Fractions to percentages Equivalent fractions, decimals and percentages Percentage of an amount – one step</p>	<p><b>Year 6</b> Line graphs Dual bar charts Read and interpret pie charts The mean</p>	

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				Volume – counting cubes Volume of a cuboid		Percentage of an amount- multi-step Percentages – missing values
Summer term	<p>Shape (7 days) <u>Year 5</u> Understand and use degrees Classify angles Estimate angles Measure angles up to 180° Draw lines and angles accurately Calculate angles around a point Calculate angles on a straight line Lengths and angles in shapes Regular and irregular polygons 3-D shapes</p>	<p>Position, direction and volume (7 days) <u>Year 5</u> Read and plot coordinates Problem solving with coordinates Translation Translation with coordinates Lines of symmetry Reflection in horizontal and vertical lines</p>	<p><u>Year 5-</u> Negative Numbers Understand negative numbers Count through zero in 1s Count through zero in multiples Compare and order negative numbers Find the difference</p>	<p>Statistics <u>Year 5</u> Read and interpret tables Two-way tables Read and interpret timetables  <u>Year 6</u> Pie charts with percentages Draw pie charts</p>	<p>Converting Units <u>Year 5</u> Kilograms and kilometres Millimetres and millilitres Convert units of length Convert between metric and imperial units Convert units of time Calculate with timetables</p>	<p><u>Year 5- multiplication and division</u> Multiply up to a 4-digit number by a 1-digit number Multiply a 2-digit number by a 2-digit number (area model) Multiply a 2-digit number by a 2-digit number Multiply a 3-digit number by a 2-digit number Multiply a 4-digit number by a 2-digit number Solve problems with multiplication Short division Divide a 4-digit number by a 1-digit number Divide with remainders Efficient division Solve problems with multiplication and division</p>
	<p><u>Year 6</u> Measure and classify angles Calculate angles Vertically opposite angles</p>	<p><u>Year 6</u> The first quadrant Read and plot points in four quadrants</p>	<p><u>Year 6-</u> SATS</p>		<p><u>Year 6</u> Metric measures Convert metric measures Calculate with metric measures</p>	<p><u>Year 6- Ratio and Algebra</u> Scale drawing Use scale factors Similar shapes Ratio problems Proportion problems</p>

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	<p>Angles in a triangle and special cases                  Angles in a triangle – missing angles                  Angles in a quadrilateral                  Angles in polygons                  Circles                  Draw shapes accurately                  Nets of 3-D shapes</p>	<p>Solve problems with coordinates                  Translations                  Reflections</p>			<p>Miles and kilometres                  Imperial measures</p>	<p>Recipes                  Form equations                  Solve 1-step equations                  Solve 2-step equations                  Find pairs of values                  Solve problems with two unknowns  <u>Year 6- Themed consolidation and project</u></p>
	Arithmetic (Operation Friday) consolidates all units covered through calculation					