



Year Five Maths Overview for the Year

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Term 1	<p>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit Y5:NP1</p> <p>Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 Y5:NP2</p>	<p>Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero Y5:NP3</p> <p>Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 Y5:NP4</p>	<p>Solve number problems and practical problems that involve all of the above Y5:NP5</p> <p>Read roman numerals to 1000 (m) and recognise years written in roman numerals. Y5:NP6</p>	<p>Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) Y5:AS1</p> <p>Add and subtract numbers mentally with increasingly large numbers Y5:AS2</p>	<p>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy Y5:AS3</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. Y5:AS4</p>	<p>Solve comparison, sum and difference problems using information presented in a line graph Y5:ST1</p> <p>Complete, read and interpret information in tables, including timetables. Y5:ST2</p>
Term 2	<p>Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 Y5:MD7</p> <p>Know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers Y5:MD2</p>	<p>Establish whether a number up to 100 is prime and recall prime numbers up to 19 Y5:MD3</p> <p>Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) Y5:MD8</p>	<p>Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres Y5:M3</p> <p>Calculate and compare the area of rectangles/squares and including using standard units, square centimetres (cm²) and square metres (m²) and</p>	<p>Multiply numbers up to 4 digits by a one or two-digit number using a formal written method, including long multiplication for two-digit numbers Y5:MD4</p>	<p>Multiply and divide numbers mentally drawing upon known facts Y5:MD5</p>	<p>Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context Y5:MD6</p>



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			estimate the area of irregular shapes Y5:M4			
Term 3	<p>Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes Y5:MD9</p> <p>Solve problems involving $+$ $-$ \times \div, and a combination of these, including understanding the meaning of the equals sign Y5:MD10</p>	<p>Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates. Y5:MD11</p> <p>Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers Y5:MD1</p>	<p>Compare and order fractions whose denominators are all multiples of the same number Y5:FDP1</p> <p>Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths Y5:FDP2</p>	<p>Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements Y5:FDP3</p>	<p>Add and subtract fractions with the same denominator and denominators that are multiples of the same number Y5:FDP4</p>	<p>Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams Y5:FDP5</p>
Term 4	<p>Read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$] Y5:FDP6</p>	<p>Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents Y5:FDP7</p> <p>Round decimals with two decimal places to the nearest whole number and</p>	<p>Read, write, order and compare numbers with up to three decimal places Y5:FDP9</p> <p>Solve problems involving number up to three decimal places Y5:FDP10</p>	<p>Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal Y5:FDP11</p>	<p>Identify 3-d shapes, including cubes and other cuboids, from 2-d representations Y5:S1</p> <p>Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles Y5:S2</p>	<p>Draw given angles, and measure them in degrees (o) Y5:S3</p>



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		to one decimal place Y5:FDP8		Solve problems which require knowing percentage and decimal equivalents Y5:FDP12		
Term 5	Identify angles at a point and one whole turn (total 360o) Y5:S4 Identify angles at a point on a straight line and 2 1 a turn (total 180o) Y5:S5 - Identify other multiples of 90o Y5:S6	Use the properties of rectangles to deduce related facts and find missing lengths and angles Y5:S7	Distinguish between regular and irregular polygons based on reasoning about equal sides and angles Y5:S8	Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed. Y5:PD1	Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) Y5:M1	Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints Y5:M2
Term 6	Estimate volume [for example, using 1 cm ³ blocks to build cuboids (including cubes)] and capacity [for example, using water] Y5:M5	Solve problems involving converting between units of time Y5:M6	Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling. Y5:M7	Teaching of any objectives not yet approached. Maths Investigations Problem Solving Consolidation through Active Maths	Teaching of any objectives not yet approached. Maths Investigations Problem Solving Consolidation through Active Maths	Teaching of any objectives not yet approached. Maths Investigations Problem Solving Consolidation through Active Maths