

Year 5 Maths Overview (2019-2020)



Includes a weekly times tables/mental maths/arithmetic session throughout the year. Problem solving and reasoning is integrated into lessons. Sometimes lessons will have a problem solving focus where a specific problem solving skill may be taught, but generally problem solving happens within the context of other lessons.

	1	2	3	4	5	6	7
Term 1	<u>Place Value</u> Read, write, order, compare numbers to 1,000,000 Count forwards and backwards in powers of 10 to 1,000,000 Interpret negative numbers Round numbers up to 1,000,000 Roman numerals				<u>Addition and Subtraction</u> Formal written methods for 4 digit numbers and beyond Estimating and checking Mental addition and subtraction		
Term 2	<u>Multiplication and Division</u> Formal short multiplication ThHTU x U and formal long multiplication from TU x TU and beyond Short division ThHTU x U, interpreting remainders Multiply and divide numbers mentally using known facts			<u>Multiples, Factors, Prime Numbers</u> Identify multiples and factors/factor pairs Prime numbers to 100 <u>Square and Cube Numbers</u> Recognise and use square numbers and cube numbers	<u>Fractions and Decimals</u> Compare and order fractions Identify name and write equivalent fractions Read and write fractions as decimals Compare and order decimals Round decimals with 3 d.p.		<u>Measures inc. Decimals</u> x and ÷ whole numbers and decimals by 10, 100 and 1000 Convert between different units of metric measure
Term 3	<u>Geometry: Shape and Angles</u> Regular and irregular polygons inc. quadrilaterals 3D shapes from 2D representations Compare and estimate angles Draw and measure angles Identify angles at a point and on a straight line Use properties of rectangles to deduce related facts			<u>Addition and Subtraction</u> Formal written methods for 4 digit numbers and beyond Estimating and checking Mental addition and subtraction <u>Multiplication and Division</u> Formal short multiplication ThHTU x U and formal long multiplication from TU x TU and beyond Short division ThHTU x U, interpreting remainders Multiply and divide numbers mentally using known facts Solving problems involving all four operations			

Term 4	<p align="center"><u>Fractions</u> Calculating fractions of amounts Counting forwards and backwards in fractions Compare and order fractions Convert between mixed and improper fractions Add and subtract fractions Multiply fractions by whole numbers</p>		<p align="center"><u>Measures</u> Calculate the perimeter of rectilinear shapes Calculate and compare the area of rectangles and estimate the area of irregular shapes. Estimate volume and capacity.</p>	
Term 5	<p align="center"><u>Time</u> Complete, read and interpret timetables Solve problems involving converting between units of time.</p>	<p align="center"><u>Measures inc. Decimals</u> x and ÷ whole numbers and decimals by 10, 100 and 1000 Convert between different units of metric measure Understand and use approximate equivalences between metric and imperial units</p>	<p align="center"><u>Fractions, Decimals and Percentages</u> Write decimals as fractions Round decimals with 3 d.p. Read, write, order compare decimal numbers to 3 d.p. Convert between fractions, decimals and percentages Solve problems involving fraction, decimal and percentage equivalence Review FDP objectives from Fractions 1 as needed</p>	
Term 6	<p align="center"><u>Addition and Subtraction</u> Formal written methods for 4 digit numbers and beyond and decimals Estimating and checking Mental addition and subtraction</p> <p align="center"><u>Multiplication and Division</u> Formal short multiplication ThHTU x U and formal long multiplication from TU x TU and beyond Short division ThHTU x U, interpreting remainders Multiply and divide numbers mentally using known facts Solving problems involving all four operations</p>		<p align="center"><u>Statistics</u> Solve comparison, sum and difference problems using information presented in a line graph. Complete, read and interpret information in tables, including time tables</p> <p align="center"><u>Shape inc. angles, position and direction</u> Identify, describe and represent the position of a shape following a reflection or translation</p>	<p align="center">Revision/Gap Filling as necessary</p>