

Year 3 Maths Objectives

Mathematical vocabulary	Number and place value	Addition and subtraction	Multiplication and division	Fractions	Measurement	Geometry – properties of shapes	Statistics
To read and spell mathematical vocabulary correctly and confidently, using their growing word reading knowledge and their knowledge of spelling.	count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number	<p>➤ add and subtract numbers mentally, including:</p> <ul style="list-style-type: none"> • a three-digit number and 1s • a three-digit number and 10s • a three-digit number and 100s 	recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10	measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	interpret and present data using bar charts, pictograms and tables
	recognise the place value of each digit in a 3-digit number (100s, 10s, 1s)	add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction	write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	measure the perimeter of simple 2-D shapes	recognise angles as a property of shape or a description of a turn	solve one-step and two-step questions [for example ‘How many more?’ and ‘How many fewer?’] using information presented in scaled bar charts and pictograms and tables
	compare and order numbers up to 1,000	estimate the answer to a calculation and use inverse operations to check answers	solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects	recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	add and subtract amounts of money to give change, using both £ and p in practical contexts	identify right angles, recognise that 2 right angles make a half-turn, 3 make three-quarters of a turn and 4 a complete turn; identify whether angles are greater than or less than a right angle	

	identify, represent and estimate numbers using different representations	solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction		recognise and show, using diagrams, equivalent fractions with small denominators	tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	identify horizontal and vertical lines and pairs of perpendicular and parallel lines	
	read and write numbers up to 1,000 in numerals and in words			add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]	estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight		
	solve number problems and practical problems involving these ideas			compare and order unit fractions, and fractions with the same denominators	know the number of seconds in a minute and the number of days in each month, year and leap year		
				solve problems that involve all of the above	compare durations of events [for example, to calculate the time taken by particular events or tasks]		