

# Mathematics Programme of Study - Year 3

				I can compare durations of events.			I recognise that the digits move when $\times$ and $\div$ by 10 or 100 and zero is used as a place holder.
		I can solve missing number problems involving addition and subtraction.	I can scale numbers and use correspondence to solve problems in which $n$ objects are connected to $m$ objects.	I know the number of seconds in a minute and the number of days in each month, year and leap year.			I can use partitioning to double and halve.
I can solve number problems and practical problems.	I can solve problems involving addition and subtraction using number facts and place value in different contexts.	I can solve missing number problems using multiplication and division.	I can solve problems that involve fractions in different contexts.	I can record and compare times.			I can, with jottings, halve any multiple of 10 up to 200.
I can read and write numbers to at least 1000 in numerals and words.	I can estimate the answer to a calculation and use the inverse operation to check answers.	I can solve problems using multiplication and division in different contexts.	I can compare and order unit fractions and fractions with the same denominator.	I can estimate and read time to the nearest minute.	I can identify horizontal, vertical, perpendicular and parallel lines in relation to other lines.	I can interpret data presented in different contexts.	I can, with jottings, double any multiple of 5 up to 100.
I can identify, represent and estimate numbers, using different representations.	I can subtract numbers with up to 3 digits using columnar subtraction.	I can use an appropriate written method to $\times$ 2-digit numbers by 1 digit, including the formal short method.	I can $+$ and $-$ fractions with the same denominator within 1 whole.	I can tell and write the time from an analogue clock, including where Roman numerals have been used, and 12-hour and 24-hour clocks.	I can identify whether angles are greater than or less than a right angle.	I can use simple scales in pictograms and bar charts.	I can use partitioning to $+$ and $-$ mentally.
I can compare and order numbers up to 1000.	I can add numbers with up to 3 digits using columnar addition.	I can use mental strategies to multiply a 2-digit number by 1 digit.	I can recognise and show, using diagrams, equivalent fractions.	I can add and subtract amounts of money to give change, using $\pounds$ and $p$ in practical contexts.	I know that 2 right angles make a half turn, 3 make $\frac{3}{4}$ of a turn and 4 make a complete turn.	I can solve two step problems using information in scaled bar charts, pictograms and tables.	I can reorder numbers when adding.
I can recognise the place value of each digit in a 3-digit number.	I can add and subtract mentally 3-digit numbers and hundreds.	I can use known $\times$ and $\div$ facts to generate new facts including 2-digit numbers $\times$ 1 digit.	I can recognise and use fractions as numbers e.g. $\frac{1}{4} + \frac{3}{4} = 1$ .	I can measure the perimeter of simple 2-D shapes.	I can identify right angles.	I can solve one step problems using information in scaled bar charts, pictograms and tables.	I can, with jottings, $+$ and $-$ 2-digit numbers.
I can find 10 or 100 more or less than a given number.	I can add and subtract mentally 3-digit numbers and tens.	I can recall and use $\times$ and $\div$ facts for the 8 times tables.	I can recognise, find and write fractions of a set of objects, including unit fractions and non-unit fractions.	I can measure, compare, add and subtract volume/capacity (l/ml).	I can recognise angles as a property of shapes and associate angles with turning.	I can interpret and present data using tables.	I can, with jottings, $+$ and $-$ 2-digit numbers to or from a multiple of 10.
I can count from 0 in multiples of 50 and 100.	I can add and subtract mentally 3-digit numbers and ones.	I can recall and use $\times$ and $\div$ facts for the 4 times tables.	I know that tenths arise from dividing an object, 1-digit number or quantity into 10 equal parts.	I can measure, compare, add and subtract mass (kg/a).	I can recognise and describe 3-D shapes in different orientations.	I can interpret and present data using pictograms.	I can, with jottings, $+$ and $-$ groups of small numbers.
I can count from 0 in multiples of 4 and 8.	I can recall and use $\times$ and $\div$ facts for the 3 times tables.	I can count up and down in tenths.		I can measure, compare, add and subtract lengths (m/cm/mm).	I can make 3-D shapes using modelling materials.	I can interpret and present data using bar charts.	I can recall doubles of multiples of 10 to 100.
					I can draw 2-D shapes.		I can recall pairs of 2-digit numbers with a total of 100.
							I can recall sums and differences of multiples of 10 beyond 100.
<b>Number and Place Value</b>	<b>Addition and Subtraction</b>	<b>Multiplication and Division</b>	<b>Fractions</b>	<b>Measurement</b>	<b>Geometry</b>	<b>Statistics</b>	<b>Mental Strategies</b>