



Mathematics Overview- Year 3

	Number and Place Value, approximation and estimation/rounding	Addition, Subtraction, Multiplication & Division (Calculation)	Fractions, Decimals and Percentages	Measurement	Geometry – Properties of Shape & Position and Direction	Statistics
1	<ul style="list-style-type: none"> Count from 0 in multiples of 4 Count from 0 in multiples of 8 	<ul style="list-style-type: none"> Add and subtract numbers mentally, including: <ul style="list-style-type: none"> A three-digit number and ones A three-digit number and tens A three-digit number and hundreds 	<ul style="list-style-type: none"> Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators 	<ul style="list-style-type: none"> Measure lengths (m/cm/mm) Measure mass (kg/g) Measure volume/capacity (l/ml) 	<ul style="list-style-type: none"> Identify horizontal and vertical lines 	<ul style="list-style-type: none"> Interpret and present data using tables
2	<ul style="list-style-type: none"> Count from 0 in multiples of 50 Count from 0 in multiples of 100 	<ul style="list-style-type: none"> Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction 	<ul style="list-style-type: none"> Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts 	<ul style="list-style-type: none"> Compare lengths (m/cm/mm) Compare mass (kg/g) Compare volume/capacity (l/ml) 	<ul style="list-style-type: none"> Identify horizontal and vertical lines, and pairs of perpendicular and parallel lines 	<ul style="list-style-type: none"> Interpret and present data using pictograms
3	<ul style="list-style-type: none"> Find 10 or 100 more or less than a given number 	<ul style="list-style-type: none"> Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction 	<ul style="list-style-type: none"> Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators 	<ul style="list-style-type: none"> Tell and write the time from an analogue clock; 12-hour clocks Tell and write the time from an analogue clock; 24-hour clocks Tell and write the time from an analogue clock, including using Roman numerals from I to XII 	<ul style="list-style-type: none"> Draw 2D shapes 	<ul style="list-style-type: none"> Interpret and present data using bar charts
4	<ul style="list-style-type: none"> Read and write numbers to 1000 in numerals and in words 	<ul style="list-style-type: none"> Recall and use multiplication and division facts for the 3 times tables Recall and use multiplication and division facts for the 4 times tables Recall and use multiplication and division facts for the 8 times tables 	<ul style="list-style-type: none"> Recognise and show, using diagrams, equivalent fractions with small denominators. (halves, quarters, thirds) 	<ul style="list-style-type: none"> 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/a.m./p.m., morning, afternoon, noon and midnight Know the number of seconds in minute and the number of days in each month, year and leap year Compare durations of events, e.g. to calculate the time taken by particular events or tasks 	<ul style="list-style-type: none"> Make 3D shapes using modelling materials Recognise 3D shapes in different orientations and describe them 	<ul style="list-style-type: none"> Solve one-step and two-step questions (e.g. 'How many more?' and 'How many fewer?' using information presented in pictograms)
5	<ul style="list-style-type: none"> Recognise the place value of each digit in a 3-digit number 	<ul style="list-style-type: none"> Write and calculate mathematical statements for multiplication and division using the multiplication tables 	<ul style="list-style-type: none"> Compare and order unit fractions and fractions with the same denominators 	<ul style="list-style-type: none"> Add and subtract amounts of money to give change, using both £ and p in practical contexts 	<ul style="list-style-type: none"> Recognise that angles are a property of a shape or a description of a turn 	<ul style="list-style-type: none"> Solve one-step and two-step questions (e.g. 'How many more?' and 'How many fewer?' using information)

		the children know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods				presented in tables
6	<ul style="list-style-type: none"> • Solve number problems and practical problems involving each of the below: <ul style="list-style-type: none"> ➢ Compare and order numbers up to 1000 ➢ Identify, represent and estimate numbers using different representations, e.g. using Numicon, counting sticks, cubes, 100 squares etc. 	<ul style="list-style-type: none"> • Solve problems, including missing number problems, involving multiplication and division, including integer scaling problems 	<ul style="list-style-type: none"> • Add and subtract fractions with the same denominator within one whole (e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$) using practical resources and other common denominators • Solve problems that involve comparing, ordering, adding and subtracting fractions 	<ul style="list-style-type: none"> • Measure the perimeter of simple 2D shapes • Add and subtract lengths (m/cm/m) • Add and subtract mass (kg/g) • Add and subtract volume/capacity (l/ml) 	<ul style="list-style-type: none"> • Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater or less than a right angle 	<ul style="list-style-type: none"> • Solve one-step and two-step questions (e.g. 'How many more?' and 'How many fewer?' using information presented in scaled bar charts.