

End of Year 3 Expectations for Maths

All children should use **all** of the criteria below in their maths to be at the expected standard for a Year 3 child.

Year 3	Maths Expectations
Counting	count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.
Place Value	recognise the place value of each digit in a three-digit number compare and order numbers up to 1000
Representing Number	identify, represent and estimate numbers using different representations read and write numbers up to 1000 in numerals and in words
Mental (+/-)	add and subtract numbers mentally, including: HTU+U, HTU+T and HTU+H
Written (+/-)	add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction
Problems (+/-)	estimate the answer to a calculation and use inverse operations to check answers solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction
Number Facts (x/÷)	recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
Mental (x/÷)	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 methods
Written (+/-)	Progress to formal written methods calculations as above
Problems (x/÷)	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.
Recognising Fractions	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

Year 3	Maths Expectations
<p>Comparing Fractions</p> <p>Finding Fractions of Quantities</p>	<p>by 10</p> <p>compare and order unit fractions, and fractions with the same denominators recognise and show, using diagrams, equivalent fractions with small denominators</p> <p>recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</p>
<p>Fraction Calculations</p>	<p>add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]</p>
<p>Fraction Problems</p>	<p>solve problems using all fraction knowledge</p>
<p>Measures</p> <p>Mensuration</p> <p>Money</p> <p>Time</p>	<p>measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</p> <p>measure the perimeter of simple 2-D shapes</p> <p>add and subtract amounts of money to give change, using both £ and p in practical contexts</p> <p>tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks 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 a minute and the number of days in each month, year and leap year compare durations of events</p>
<p>Shape Vocabulary</p>	<p>identify horizontal and vertical lines and pairs of perpendicular and parallel lines</p>

Year 3	Maths Expectations
Properties of 2-d shape	draw 2-D shapes
Properties of 3-d shape	make 3-D shapes using modelling materials recognise 3-D shapes in different orientations and describe them
Angles	recognise angles as a property of shape or a description of a turn 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 right angle
Interpreting data	interpret and present data using bar charts, pictograms and tables
Extracting info from data	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