

Year 3 maths

Key performance indicator	Performance standard
<p>Number and place value</p> <p>Counts from 0 in multiples of four, eight, 50 and 100</p> <p>Can work out if a given number is greater or less than 10 or 100</p> <p>Recognises the place value of each digit in a three-digit number (hundreds, tens, and ones)</p> <p>Solves number problems and practical problems involving these ideas</p> <p>Addition and subtraction</p> <p>Adds and subtracts numbers mentally including:</p> <ul style="list-style-type: none"> • a three-digit number and ones; • a three-digit number and tens; and • a three-digit number and hundreds. <p>Multiplication and division</p> <p>Recalls and uses multiplication and division facts for the multiplication tables:</p> <ul style="list-style-type: none"> • three; • four; and • eight. <p>Writes and calculates mathematical statements for multiplication and division using the multiplication tables that are known including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods</p> <p>Fractions (including decimals)</p> <p>Counts up and down in tenths; recognises that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</p>	<p>With reference to the KPIs</p> <p>By the end of Y3, a child will be developing written and mental methods using the four operations including number facts and the concept of place value, and performing calculations with whole numbers</p> <p>A child can:</p> <ul style="list-style-type: none"> • solve a range of number and place value problems; • compare different shapes with reference to its angles; • use measuring instruments, making reference to their units of measure; • tell the time accurately; • recall the majority of the multiplication tables; and • read and spell mathematical vocabulary correctly and confidently, using growing word reading knowledge and knowledge of spelling. <p>A child is able to read and write simple fractions and decimals</p>

Recognises, finds and writes fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators

Recognises and shows, using diagrams, equivalent fractions with small denominators

Measurement

Measures, compares, adds and subtracts lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)

Adds and subtracts amounts of money to give change, using both £ and p in practical contexts

Tells and writes the time from an analogue clock and 12-hour and 24-hour clocks

Identifies right angles, recognises that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identifies whether angles are greater than or less than a right angle

Statistics

Interprets and presents data using bar charts, pictograms and tables