

## Year 3 maths

| Key performance indicator   | Performance standard  |
|---|---|
| <p><b>Number and place value</b></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><b>Addition and subtraction</b></p> <p>Adds and subtracts numbers mentally including:</p> <ul style="list-style-type: none"> <li>• a three-digit number and ones;</li> <li>• a three-digit number and tens; and</li> <li>• a three-digit number and hundreds.</li> </ul> <p><b>Multiplication and division</b></p> <p>Recalls and uses multiplication and division facts for the multiplication tables:</p> <ul style="list-style-type: none"> <li>• three;</li> <li>• four; and</li> <li>• eight.</li> </ul> <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><b>Fractions (including decimals)</b></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><b>With reference to the KPIs</b></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"> <li>• solve a range of number and place value problems;</li> <li>• compare different shapes with reference to its angles;</li> <li>• use measuring instruments, making reference to their units of measure;</li> <li>• tell the time accurately;</li> <li>• recall the majority of the multiplication tables; and</li> <li>• read and spell mathematical vocabulary correctly and confidently, using growing word reading knowledge and knowledge of spelling.</li> </ul> <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