

## Year 4 maths

Key performance indicator	Performance standard
<p><b>Number and place value</b></p> <p>Counts in multiples of six, seven, nine, 25 and 1,000</p> <p>Counts backwards through zero to include negative numbers</p> <p>Orders and compares numbers beyond 1,000</p> <p>Rounds any number to the nearest 10, 100 or 1,000</p> <p><b>Addition and subtraction</b></p> <p>Solves addition and subtraction two-step problems in context, deciding which operations and methods to use and why</p> <p><b>Multiplication and division</b></p> <p>Recalls multiplication and division facts for multiplication tables up to 12 x 12</p> <p><b>Fractions (including decimals)</b></p> <p>Recognises and shows, using diagrams, families of common equivalent fractions</p> <p>Counts up and down in hundredths; recognises that hundredths arise when dividing an object by 100 and dividing tenths by 10</p> <p>Rounds decimals with one decimal place to the nearest whole number</p> <p>Solves simple measure and money problems involving fractions and decimals to two decimal places</p> <p><b>Measurement</b></p> <p>Converts between different units of measure eg kilometre to metre; hour to minute</p>	<p><b>With reference to the KPIs</b></p> <p>By the end of Y4, a child should be fluent with whole numbers and the four operations, including number facts and the concept of place value</p> <p>A child will be developing efficient written and mental methods and performing calculations accurately with increasingly large whole numbers</p> <p>A child can:</p> <ul style="list-style-type: none"> <li>• solve a range of problems including those with simple fractions and decimal place value;</li> <li>• draw shapes with accuracy using mathematical reasoning and analyse shapes and their properties, confidently describing the relationships between them;</li> <li>• use measuring instruments accurately, making connections between measure and number;</li> <li>• recall the multiplication tables up to and including the 12 multiplication table and show precision and fluency in the work; and</li> <li>• read and spell mathematical vocabulary correctly and confidently using a growing word reading knowledge and a knowledge of spelling.</li> </ul>

**Geometry: properties of shape**

Compares and classifies geometric shapes, including quadrilaterals and triangles, based on their properties and sizes

Identifies lines of symmetry in two dimensional shapes presented in different orientations

**Geometry: position and direction**

Plots specified points and draws sides to complete a given polygon

**Statistics**

Solves comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs