



**End of Term Expectations (End Points) for Maths**

Year	Autumn Term	Spring Term	Summer Term
<p align="center"><b><u>4</u></b></p>	<ul style="list-style-type: none"> <li>• Count in multiples of 6, 7, 9, 25 and 1000</li> <li>• Count backwards through zero to include negative numbers</li> <li>• Identify, represent and estimate numbers using different representations</li> <li>• Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value</li> <li>• Find 1000 more or less than a given number</li> <li>• Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</li> <li>• Order and compare numbers beyond 1000</li> <li>• Round any number to the nearest 10, 100 or 1000</li> <li>• Solve number and practical problems that involve all of the above and with increasingly large positive numbers</li> <li>• Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate</li> <li>• Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why</li> <li>• Recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math></li> </ul>	<ul style="list-style-type: none"> <li>• Recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math></li> <li>• Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers</li> <li>• Recognise and use factor pairs and commutativity in mental calculations</li> <li>• Multiply two-digit and three-digit numbers by a one-digit number using formal written layout</li> <li>• Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects</li> <li>• Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</li> <li>• Recognise and show, using diagrams, families of common equivalent fractions</li> <li>• Add and subtract fractions with the same denominator</li> <li>• Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number</li> </ul>	<ul style="list-style-type: none"> <li>• Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</li> <li>• Recognise and write decimal equivalents of any number of tenths or hundredths</li> <li>• Recognise and write decimal equivalents to <math>1/4</math>, <math>1/2</math>, <math>3/4</math></li> <li>• Round decimals with one decimal place to the nearest whole number</li> <li>• Compare numbers with the same number of decimal places up to two decimal places</li> <li>• Solve simple measure and money problems involving fractions and decimals to two decimal places</li> <li>• Convert between different units of measure [for example, kilometer to metre; hour to minute]</li> <li>• Estimate, compare and calculate different measures</li> <li>• Estimate, compare and calculate different measures, including money in pounds and pence</li> <li>• Read, write and convert time between analogue and digital 12 and 24-hour clocks</li> <li>• Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</li> </ul>

	<ul style="list-style-type: none"> <li>• Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers</li> <li>• Recognise and use factor pairs and commutativity in mental calculations</li> </ul>	<ul style="list-style-type: none"> <li>• Recognise and write decimal equivalents of any number of tenths or hundredths</li> <li>• Recognise and write decimal equivalents to <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>, <math>\frac{3}{4}</math></li> <li>• Round decimals with one decimal place to the nearest whole number</li> <li>• Compare numbers with the same number of decimal places up to two decimal places</li> <li>• Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</li> <li>• Find the area of rectilinear shapes by counting squares</li> </ul>	<ul style="list-style-type: none"> <li>• Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</li> <li>• Identify lines of symmetry in 2-D shapes presented in different orientations</li> <li>• Identify acute and obtuse angles and compare and order angles up to two right angles by size</li> <li>• Identify lines of symmetry in 2-D shapes presented in different orientations</li> <li>• Complete a simple symmetric figure with respect to a specific line of symmetry</li> <li>• Describe positions on a 2-D grid as coordinates in the first quadrant</li> <li>• Describe movements between positions as translations of a given unit to the left/right and up/down</li> <li>• Plot specified points and draw sides to complete a given polygon</li> <li>• Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs</li> <li>• Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</li> </ul>
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