

## Year 4 Maths Long Term Plan 2025 - 2026

### Autumn Term

Maths Meetings: Multiplication/Division Programme 8x, 6x

Autumn KIRFS: I know my number bonds to 100. I know my 11x multiplication and division facts.

#### Place Value

- Count backwards through zero to include negative numbers
- Find 1000 more or less than a given number
- Identify, represent and estimate numbers using different representations
- Order and compare numbers beyond 1000
- Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
- Round any number to the nearest 10, 100 or 1000
- 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.

#### Addition and Subtraction

- add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
- estimate and use inverse operations to check answers to a calculation
- solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
- Practise mental methods from previous year with increasingly large numbers to aid fluency.

#### Multiplication and Division

- Count in multiples of 6, 7, 9, 25 and 1000
- Count in multiples of 11, 12
- recall multiplication and division facts for multiplication tables up to  $12 \times 12$
- use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers

### Spring Term

Maths Meetings: Multiplication and Division Programme 9x 7x 11x

Spring KIRFS: I know my 6x and 12x multiplication and division facts. I know my 9x and 7x multiplication and division facts.

Multiplication and division

Geometry

Measure

Measure

<ul style="list-style-type: none"> <li>Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths</li> <li>Recognise and use factor pairs and commutativity in mental calculations</li> <li>Multiply and divide two-digit and three-digit numbers by a one-digit number using formal written layout.</li> </ul>	<p style="text-align: center;"><b>Properties of shape</b></p> <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>Complete a simple symmetric figure with respect to a specific line of symmetry.</li> </ul>	<ul style="list-style-type: none"> <li>Convert between different units of measure [for example, kilometre to metre; hour to minute]</li> </ul>	<p style="text-align: center;"><b>Money</b></p> <p>estimate, compare and calculate different measures, including money in pounds and pence</p>
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**Summer Term**

Maths Meetings: Multiplication and Division Programme 12  $\times$  and review of all multiplication facts

Summer KIRFS: I know my multiplication and division facts up to 12  $\times$  12. I can recognise decimal equivalence for  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{3}{4}$ , tenths and hundredths.

<p style="text-align: center;"><b>Fractions and Decimals</b></p> <ul style="list-style-type: none"> <li>recognise and show, using diagrams, families of common equivalent fractions</li> <li>count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10</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>	<p style="text-align: center;"><b>Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>Count in multiples of 6, 7, 9, 25 and 1000</li> <li>Count in multiples of 11, 12</li> <li>recall multiplication and division facts for multiplication tables up to 12 <math>\times</math> 12</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 3 numbers</li> </ul>	<p style="text-align: center;"><b>Measure Time</b></p> <ul style="list-style-type: none"> <li>Read, write and convert time between analogue and digital 12- and 24-hour clocks</li> <li>Solve problems involving converting</li> </ul>	<p style="text-align: center;"><b>Geometry: Angles</b></p> <ul style="list-style-type: none"> <li>Identify acute and obtuse angles and compare and order angles up to two right angles by size</li> </ul>	<p style="text-align: center;"><b>Measure</b></p> <ul style="list-style-type: none"> <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</li> </ul>	<p style="text-align: center;"><b>Statistics</b></p> <ul style="list-style-type: none"> <li>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs</li> </ul>
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<ul style="list-style-type: none"><li>• add and subtract fractions with the same denominator</li><li>• recognise and write decimal equivalents of any number of tenths or hundreds</li><li>• recognise and write decimal equivalents to <math>1/4</math> , <math>1/2</math> , <math>3/4</math></li> <li>• find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths</li><li>• round decimals with 1 decimal place to the nearest whole number</li><li>• compare numbers with the same number of decimal places up to 2 decimal places</li><li>• solve simple measure and money problems involving fractions and decimals to 2 decimal places</li><li>• Recognise and show, using diagrams, families of common equivalent fractions.<ul style="list-style-type: none"><li>• compare numbers with the same number of decimal places up to 2 decimal places</li></ul></li></ul>		<p>from hours to minutes, minutes to seconds, years to months, weeks to days</p>		<p>counting squares</p>	
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<p>Transition Week (prior to starting in Year 4)</p>
<p style="text-align: center;">Geometry Position and Direction</p> <ul style="list-style-type: none"><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></ul>

