

# Year 5 Maths Long Term Plan 2023 -2024

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Autumn 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	
1	<b>Place Value</b> <ul style="list-style-type: none"> <li>1000s, 100s, 10s and 1s</li> <li>Numbers to 10,000</li> <li>Rounding to the nearest 10</li> <li>Rounding to the nearest 100</li> <li>Round to the nearest 10,100 and 1,000</li> <li>Numbers to 100,000</li> <li>Numbers to 1000,000</li> <li>Numbers to a million</li> <li>Counting in 10s, 100s, 1000s, 10,000s and 100,00s</li> <li>Compare and order numbers to one million</li> <li>Round numbers to one million</li> <li>Negative numbers</li> <li>Roman numerals to 1,000</li> </ul>			<b>Addition and subtraction</b> <ul style="list-style-type: none"> <li>Add two 4-digit numbers-one exchange</li> <li>Add two 4- digit numbers with more than one exchange</li> <li>Add whole numbers with more than 4 digits</li> <li>Subtract two 4-digit numbers</li> <li>Subtract two 4-digit numbers with more than one exchange</li> <li>Subtract whole numbers with more than four digits</li> <li>Round to estimate and approximate</li> <li>Inverse operations</li> <li>Multi-step addition and subtraction problems</li> </ul>				
Autumn 2	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	
2	<b>Multiplication and division</b> <ul style="list-style-type: none"> <li>Multiples</li> <li>Factors</li> <li>Common factors</li> <li>Prime numbers</li> <li>Square numbers</li> <li>Cube numbers</li> <li>Multiply by 10</li> <li>Multiply by 100</li> <li>Multiply by 10,100 and 1000</li> </ul>			<b>Assessment Week</b>		<b>Fractions</b> <ul style="list-style-type: none"> <li>Equivalent fractions</li> <li>Fractions greater than 1</li> <li>Improper fractions to mixed numbers</li> <li>Mixed numbers to improper fractions</li> <li>Number sequences</li> <li>Compare and order fractions less than 1</li> <li>Compare and order fractions greater than 1</li> <li>Add and subtract fractions</li> <li>Add fractions within 1</li> </ul>		

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	<ul style="list-style-type: none"> <li>• Divide by 10</li> <li>• Divide by 100</li> <li>• Divide by 10, 100 and 1,000</li> <li>• Multiples of 10, 100, and 1000</li> <li>•</li> </ul>			<ul style="list-style-type: none"> <li>• Add 3 or more fractions</li> <li>• Add mixed numbers</li> </ul>		
<b>Spring 1</b>	<b>Week 1</b>	<b>Week 2</b>	<b>Week 3</b>	<b>Week 4</b>	<b>Week 5</b>	
	<b>Multiplication and division</b> <ul style="list-style-type: none"> <li>• Multiply 2 digits by 1 digit</li> <li>• Multiply 3 digits by 1 digit</li> <li>• Multiply 4 digits by 1 digit</li> <li>• Multiply 2 digits by 2 digits</li> <li>• Multiply 3- digits by 2-digits</li> <li>• Multiply 4-digits by 2-digits</li> <li>• Divide 2-digits by 1 digit</li> <li>• Divide 3 digits by 1 digit</li> <li>• Divide 4 digits by 1 digit</li> </ul>		<b>Fractions</b> <ul style="list-style-type: none"> <li>• Subtract fractions</li> <li>• Subtract mixed numbers</li> <li>• Subtract- breaking the whole</li> <li>• Subtract 2 mixed numbers</li> <li>• Multiply unit and non-unit fractions by an integer</li> <li>• Multiply mixed numbers by an integer</li> <li>• Calculate fractions of a quantity</li> <li>• Fractions of an amount</li> <li>• Using fractions as operators</li> </ul>			
<b>Spring 2</b>	<b>Week 1</b>	<b>Week 2</b>	<b>Week 3</b>	<b>Week 4</b>	<b>Week 5</b>	<b>Week 6</b>
	<b>Decimals and Percentages</b> <ul style="list-style-type: none"> <li>• Decimals up to 2 d.p.</li> <li>• Decimals as fractions</li> <li>• Understand thousandths</li> <li>• Thousandths as decimals</li> <li>• Rounding decimals</li> <li>• Order and compare decimals</li> <li>• Understand percentages</li> <li>• Percentages as fractions and decimals</li> <li>• Equivalent F.D.P</li> </ul>		<b>Measurement Perimeter and Area</b> <ul style="list-style-type: none"> <li>• Measure perimeter</li> <li>• Perimeter on a grid</li> <li>• Perimeter of rectangles</li> <li>• Perimeter of rectilinear shapes</li> </ul>	<b>Assessment Week</b>	<b>Measurement Perimeter and Area</b> <ul style="list-style-type: none"> <li>• Measure perimeter</li> <li>• Perimeter on a grid</li> <li>• Perimeter of rectangles</li> <li>• Perimeter of rectilinear shapes</li> </ul>	<b>Statistics</b> <ul style="list-style-type: none"> <li>• Interpret charts</li> <li>• Comparison, sum and difference</li> <li>• Read, and interpret line graphs</li> <li>• Draw line graphs</li> </ul>

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			<ul style="list-style-type: none"> <li>• Calculate perimeter</li> <li>• Counting squares</li> <li>• Area of rectangles</li> <li>• Area of compound shapes</li> <li>• Area of irregular shapes</li> </ul>		<ul style="list-style-type: none"> <li>• Calculate perimeter</li> <li>• Counting squares</li> <li>• Area of rectangles</li> <li>• Area of compound shapes</li> <li>• Area of irregular shapes</li> </ul>	<ul style="list-style-type: none"> <li>• Use line graphs to solve problems</li> <li>• Read and interpret tables</li> <li>• Two-way tables</li> <li>• Timetables</li> </ul>	
<b>Summer 1</b>	<b>Week 1</b>	<b>Week 2</b>	<b>Week 3</b>	<b>Week 4</b>	<b>Week 5</b>	<b>Week 6</b>	
	<b>Geometry-Properties of shape</b> <ul style="list-style-type: none"> <li>• Identify angles</li> <li>• Compare and order angles</li> <li>• Measure angles in degrees</li> <li>• Measuring with a protractor</li> <li>• Drawing lines and angles accurately</li> <li>• Calculating angles around a point</li> </ul>		<b>Position and direction</b> <ul style="list-style-type: none"> <li>• Describe position</li> <li>• Draw on a grid</li> <li>• Position in the first quadrant</li> <li>• Translation</li> <li>• Translation with coordinates</li> <li>• Lines of symmetry</li> <li>• Complete a symmetric figure</li> <li>• Reflection</li> <li>• Reflection with coordinates</li> </ul>		<b>Decimals</b> <ul style="list-style-type: none"> <li>• Adding decimals within 1</li> <li>• Subtracting decimals within 1</li> <li>• Complements to 1</li> <li>• Adding decimals- crossing the whole</li> <li>• Adding the decimals with the same number of decimal places</li> <li>• Subtracting decimals with a different number of decimal places</li> <li>• Adding and subtracting wholes and decimals</li> <li>• Decimal sequences</li> <li>• Multiplying decimals by 10, 100 and 1000</li> <li>• Dividing decimals by 10, 100 and 1000</li> </ul>		
	<b>Week 1</b>	<b>Week 2</b>	<b>Week 3</b>	<b>Week 4</b>	<b>Week 5</b>	<b>Week 6</b>	<b>Week 7</b>

## Year 5 Maths Long Term Plan 2023 -2024

Summer  
2

### Decimals

- Adding decimals within 1
- Subtracting decimals within 1
- Complements to 1
- Adding decimals-crossing the whole
- Adding the decimals with the same number of decimal places
- Subtracting decimals with a different number of decimal places
- Adding and subtracting wholes and decimals
- Decimal sequences
- Multiplying decimals by 10, 100 and 1000  
Dividing decimals by 10, 100 and 1000

### Measurement – converting units

- Kilometres
- Kilograms and kilometres
- Millimetres and millilitres
- Metric units
- Imperial units
- Converting units of time  
Timetables

### Assessment Week

### Negative numbers

- Understand negative numbers
- Count through zero in ones.
- Count through zero in multiples.
- Compare and order negative numbers.
- Find the difference.

### Measurement – volume

- Compare volume
- Estimate volume
- Estimate capacity