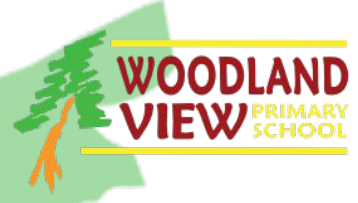




# Year 4 Maths

## Long Term Overview

### Autumn Term



Wk	Unit	Learning content
1	Number Place Value	<ul style="list-style-type: none"> <li>• Represent and partition numbers to 1000</li> <li>• Label, identify and find missing values on blank or partially completed number lines</li> <li>• Count in thousands</li> <li>• Represent and partition numbers to 10,000, including using flexible partitioning</li> <li>• Find 1, 10, 100 or 1000 more or less than a number with up to 4-digits</li> <li>• Estimate on a number line to 10,000</li> <li>• Compare and order numbers to 10,000</li> <li>• Extend knowledge of Roman numerals to include L=50 and C=100</li> <li>• Round numbers to the nearest 10, 100 and 1000</li> </ul>
2		
3		
4		
5	Number Addition and Subtraction	<ul style="list-style-type: none"> <li>• Add and subtract 1s, 10s, 100s and 1000s from numbers within 10,000</li> <li>• Add up to two 4-digit numbers - no exchange, then with one exchange and then with more than one exchange</li> <li>• Subtract two 4-digit numbers - no exchange, then with one exchange and then with more than one exchange</li> <li>• Make choices about which method is the most appropriate - a mental strategy or a written method</li> <li>• Estimate by rounding to the nearest 10, 100 or 1000</li> <li>• Explore how inverse operations can be used to check calculations</li> </ul>
6		
7		
8	Measurement Area	<ul style="list-style-type: none"> <li>• Know that area is the amount of space taken up by a two-dimensional shape or surface</li> <li>• Count squares to find area</li> <li>• Make rectilinear shapes using a given number of squares</li> <li>• Compare the areas of rectilinear shapes</li> </ul>
9	Number Multiplication and Division	<ul style="list-style-type: none"> <li>• Explore the links between multiples of 3 and the 3 times-table</li> <li>• Multiply and divide by 6, 9, 7, 11 and 12 and know the related times table and division facts</li> <li>• Know what happens when a number is multiplied by 1 or 0</li> <li>• Recognise what happens when a number is divided by 1 or itself</li> <li>• Multiply three small numbers together</li> </ul>
10		
11		
12	Consolidation	

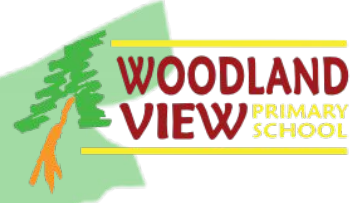
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# Year 4 Maths

## Long Term Overview

### Spring Term



Wk	Unit	Learning content
1	<b>Number</b> Multiplication and Division B	<ul style="list-style-type: none"> <li>Find and use factor pairs to write equivalent calculations</li> <li>Multiply and divide numbers by 10 and 100</li> <li>Explore calculations related to known facts</li> <li>Use a range of informal methods to multiply a 2-digit number by a 1-digit number</li> <li>Use a formal written method to multiply a 2 or 3-digit number by a 1-digit number</li> <li>Divide a 2 or 3-digit number by a 1-digit number including when there are remainders</li> <li>Use multiplication to work out the number of possible combinations of sets of items</li> <li>Make choices about which method is the most efficient or appropriate - a mental strategy or a written method</li> </ul>
2		
3		
4	<b>Measurement</b> Length and Perimeter	<ul style="list-style-type: none"> <li>Measure in kilometres and metres</li> <li>Know that 1km = 1000 m</li> <li>Convert equivalent lengths between km and metres</li> <li>Measure and calculate perimeter drawn on square grids</li> <li>Calculate the perimeter of rectangles</li> <li>Find missing side lengths on rectilinear shapes</li> <li>Calculate the perimeter of rectilinear shapes</li> <li>Calculate the perimeter of regular and irregular polygons</li> </ul>
5		
6	<b>Number</b> Fractions	<ul style="list-style-type: none"> <li>Understand the whole and how many equal parts a shape has been split into by looking at denominators</li> <li>Count in fractions past 1</li> <li>Partition a whole number into its whole and fractional parts</li> <li>Understand how mixed numbers are represented on a number line</li> <li>Compare and order mixed numbers</li> <li>Understand improper fractions</li> <li>Convert mixed numbers to improper fractions and vice versa</li> <li>Find equivalent fractions (beyond 1) on number lines</li> <li>Find equivalent fraction families</li> <li>Add two or more fractions with the same denominator</li> <li>Add fractions and mixed numbers with the same denominators</li> <li>Subtract two fractions with the same denominator</li> <li>Subtract from whole amounts and mixed numbers</li> </ul>
7		
8		
9		
10	<b>Number</b> Decimals A	<ul style="list-style-type: none"> <li>Understand and recognise tenths as fractions and decimals</li> <li>Know that ten tenths are equivalent to one whole</li> <li>Find missing decimal numbers in a sequence on a number line</li> <li>Divide a 1 or 2-digit number by 10</li> <li>Understand and recognise hundredths as fractions and decimals</li> <li>Know that ten one-hundredths are equivalent to one tenth</li> <li>Divide a 1 or 2-digit number by 100</li> </ul>
11		
12		

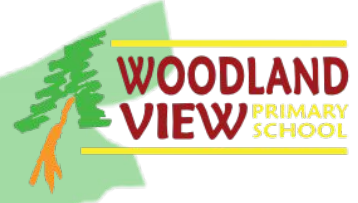
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# Year 4 Maths

## Long Term Overview

### Summer Term



Wk	Unit	Learning content
1	Number Decimals B	<ul style="list-style-type: none"> <li>Know decimal number bonds to 1 in tenths</li> <li>Know different ways of making 1 from hundredths</li> <li>Partition numbers with up to 2 decimal places into their place value parts and use flexible partitioning</li> <li>Compare and order decimal numbers with up to 2 decimal places</li> <li>Round to the nearest whole number</li> <li>Recognise and write <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math> and <math>\frac{3}{4}</math> as decimals</li> </ul>
2		
3	Measurement Money	<ul style="list-style-type: none"> <li>Write amounts of money using decimals</li> <li>Convert between pounds and pence</li> <li>Compare two amounts including those written in different formats</li> <li>Round amounts to the nearest 10p to estimate totals or differences</li> <li>Use the four operations to calculate and solve real-life problems with money</li> </ul>
4		
5	Measurement Time	<ul style="list-style-type: none"> <li>Revise the relationships between a year, months, weeks and days</li> <li>Convert and compare times recorded in hours, minutes and seconds</li> <li>Convert between analogue and digital times</li> <li>Convert to and from the 24-hour clock</li> </ul>
6		
7	Consolidation	
8	Geometry Shape	<ul style="list-style-type: none"> <li>Classify angles as acute and obtuse</li> <li>Compare and order angles</li> <li>Know the different types of triangles: scalene, isosceles and equilateral</li> <li>Distinguish between a trapezium, a rhombus, a parallelogram, a square and a rectangle and describe their properties</li> <li>Extend knowledge of the names of polygons</li> <li>Know what makes a shape "regular" or "irregular"</li> <li>Identify lines of symmetry in any direction</li> <li>Complete a symmetric figure</li> </ul>
9		
10	Statistics	<ul style="list-style-type: none"> <li>Read and interpret charts</li> <li>Solve comparison, sum and difference problems using discrete data</li> <li>Interpret line graphs and know that these show continuous data</li> <li>Draw line graphs to represent continuous data</li> </ul>
11	Geometry Position and Direction	<ul style="list-style-type: none"> <li>Describe the positions of points on a grid (1st quadrant only)</li> <li>Plot coordinates in the 1st quadrant</li> <li>Draw 2D shapes on a coordinate grid</li> <li>Translate points and shapes horizontally or/and vertically</li> <li>Describe translations</li> </ul>
12		

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