

**Westfields Junior School  
Year 3 Maths Objectives**

Number - Place Value	Number - Addition and Subtraction	Number - Multiplication and Division	Number - Fractions	Measurement - Money
<ul style="list-style-type: none"> <li>• count from 0 in multiples of 4 and 8</li> <li>• count from 0 in multiples of 50 and 100</li> <li>• find 10 or 100 more or less than a given number</li> <li>• recognise the place value of each digit in a 3-digit number (100s, 10s, 1s)</li> <li>• compare and order numbers up to 1,000</li> <li>• identify, represent and estimate numbers using different representations</li> <li>• read and write numbers up to 1,000 in numerals and in words</li> <li>• solve number problems and practical problems involving these ideas</li> </ul>	<ul style="list-style-type: none"> <li>• add and subtract a three-digit number and 1s mentally</li> <li>• add and subtract a three-digit number and 10s mentally</li> <li>• add and subtract a three-digit number and 100s mentally</li> <li>• add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction</li> <li>• estimate the answer to a calculation</li> <li>• use inverse operations to check answers</li> <li>• solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</li> </ul>	<ul style="list-style-type: none"> <li>• recall and use multiplication and division facts for the 3 multiplication tables</li> <li>• recall and use multiplication and division facts for the 4 multiplication tables</li> <li>• recall and use multiplication and division facts for the 8 multiplication tables</li> <li>• write and calculate mathematical statements for multiplication and division using the multiplication tables that they know using mental strategies</li> <li>• write and calculate mathematical statements for multiplication and division using the multiplication tables that they know using formal written methods</li> <li>• solve problems, including missing number problems, involving multiplication and division, including</li> </ul>	<ul style="list-style-type: none"> <li>• count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts</li> <li>• recognise, find and write fractions of a discrete set of objects</li> <li>• compare and order unit fractions, and fractions with the same denominators</li> <li>• compare and order unit fractions and non-unit fractions with small denominators</li> <li>• recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</li> <li>• recognise and show, using diagrams, equivalent fractions with small denominators</li> <li>• add and subtract fractions with the same denominator within one whole [for <math>\frac{5}{7} + \frac{1}{7} = \frac{6}{7}</math>]</li> <li>• solve problems that involve all of the above</li> </ul>	<ul style="list-style-type: none"> <li>• add and subtract amounts of money to give change, using both £ and p in practical contexts</li> </ul>

		positive integer scaling problems and correspondence problems in which n objects are connected to m objects		
<b>Measurement - Time</b>	<b>Measurement – Mass and Capacity</b>	<b>Measurement Length and Perimeter</b>	<b>Geometry: Properties of Shape</b>	<b>Statistics</b>
<ul style="list-style-type: none"> <li>• tell and write the time from an analogue clock, using 12-hour and 24-hour clocks</li> <li>• tell and write the time from an analogue clock, using Roman numerals from I to XII</li> <li>• use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight</li> <li>• know the number of seconds in a minute and the number of days in each month, year and leap year</li> <li>• estimate and read time with increasing accuracy to the nearest minute</li> <li>• record and compare time in terms of seconds, minutes and hours</li> <li>• compare durations of events [for example, to calculate the time taken by particular events or tasks]</li> </ul>	<ul style="list-style-type: none"> <li>• measure, compare, add and subtract mass (kg/g)</li> <li>• measure, compare, add and subtract volume/capacity (l/ml)</li> </ul>	<ul style="list-style-type: none"> <li>• measure, compare, add and subtract lengths (m/cm/mm)</li> <li>• measure the perimeter of simple 2-D shapes</li> </ul>	<ul style="list-style-type: none"> <li>• draw 2-D shapes</li> <li>• make 3-D shapes using modelling materials</li> <li>• recognise 3-D shapes in different orientations and describe them</li> <li>• recognise angles as a property of shape or a description of a turn</li> <li>• identify right angles</li> <li>• recognise that 2 right angles make a half-turn, 3 make three-quarters of a turn and 4 a complete turn</li> <li>• identify whether angles are greater than or less than a right angle</li> <li>• identify horizontal and vertical lines and pairs of perpendicular and parallel lines</li> </ul>	<ul style="list-style-type: none"> <li>• <b>collect, record,</b> interpret and present data using bar charts, pictograms and tables</li> <li>• solve one-step and two-step questions [for example 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables</li> </ul>