

	2006 OBJECTIVES	RELATED 1999 OBJECTIVES	UNIT PLAN REFS RELATED TO 1999 OBJECTIVES
Y5 Using & Applying Maths 1	<ul style="list-style-type: none"> <li>Solve one- and two-step problems involving whole numbers and decimals and all four operations, choosing and using appropriate calculation strategies, including calculator use</li> </ul>	Year 5 83 Year 5 85 Year 5 87 Year 5 89 Year 5 101 Year 5 75 Year 5 57	Year5 Autumn Unit 3 Day 3 - 5 Year5 Autumn Unit 8 Day 1; Day 3 Year5 Autumn Unit 9 Day 5 Year5 Autumn Unit 10 Day 1; Day 3 Year5 Autumn Unit 11 Day 3; Day 5 Year5 Spring Unit 2 Day 3 - 5 Year5 Spring Unit 3 Day 4 - 5 Year5 Spring Unit 9 Day 5 Year5 Spring Unit 10 Day 5 Year5 Summer Unit 2 Day 1 - 5 Year5 Summer Unit 10 Day 1 - 5 Year5 Summer Unit 11 Day 5
Y5 Using & Applying Maths 2	<ul style="list-style-type: none"> <li>Represent a problem by identifying and recording the calculations needed to solve it; find possible solutions and confirm them in the context of the problem</li> </ul>	Year 5 83 Year 5 85 Year 5 87 Year 5 89 Year 5 101 Year 5 75 Year 5 57	Year5 Autumn Unit 3 Day 3 - 5 Year5 Autumn Unit 8 Day 1; Day 3 Year5 Autumn Unit 9 Day 5 Year5 Autumn Unit 10 Day 1; Day 3 Year5 Autumn Unit 11 Day 3; Day 5 Year5 Spring Unit 2 Day 3 - 5 Year5 Spring Unit 3 Day 4 - 5 Year5 Spring Unit 9 Day 5 Year5 Spring Unit 10 Day 5 Year5 Summer Unit 2 Day 1 - 5 Year5 Summer Unit 10 Day 1 - 5 Year5 Summer Unit 11 Day 5
Y5 Using & Applying Maths 3	<ul style="list-style-type: none"> <li>Plan and pursue an enquiry; present evidence by collecting, organising and interpreting information; suggest extensions to the enquiry</li> </ul>	Year 5 113 Year 5 115 Year 5 117	Year5 Autumn Unit 6a Day 1 - 5 Year5 Autumn Unit 6b Day 1; Day 3 Year5 Spring Unit 1 Day 3 Year5 Spring Unit 8 Day 1 - 5 Year5 Summer Unit 6a Day 1 - 3
Y5 Using & Applying Maths 4	<ul style="list-style-type: none"> <li>Explore patterns, properties and relationships and propose a general statement involving numbers or shapes; identify examples for which the statement is true or false</li> </ul>	Year 5 79 Year 5 17 Year 5 19 Year 5 21 Year 5 81	Year5 Autumn Unit 8 Day 3 Year5 Autumn Unit 12 Day 1- 5 Year5 Spring Unit 5a Day 1 Year5 Spring Unit 9 Day 3 Year5 Spring Unit 11 Day 1 – 5 Year5 Summer Unit 6b Day 1 - 3 Year5 Summer Unit 8 Day 2 - 3; Day 5 Year5 Summer Unit 9 Day 2; Day 4 Year5 Summer Unit 12 Day 1 - 5
Y5 Using & Applying Maths 5	<ul style="list-style-type: none"> <li>Explain reasoning using diagrams, graphs and text; refine ways of recording using images and symbols</li> </ul>	Year 5 77	Year5 Summer Unit 6b Day 2

Y5 Counting & Understanding Number 1	<ul style="list-style-type: none"> <li>Count from any given number in whole number and decimal steps, extending beyond zero when counting backwards; relate the numbers to their position on a number line</li> </ul>	Year 5 17	Year5 Autumn Unit 12 Day 1 - 2 Year5 Spring Unit 11 Day 1 - 2; Day 5
Y5 Counting & Understanding Number 2	<ul style="list-style-type: none"> <li>Explain what each digit represents in whole numbers and decimals with up to two places, and partition, round and order these numbers</li> </ul>	Year 5 3 Year 5 29	Year5 Autumn Unit 1 Day 1 Year5 Autumn Unit 5 Day 1 - 2 Year5 Spring Unit 4 Day 5
Y5 Counting & Understanding Number 3	<ul style="list-style-type: none"> <li>Express a smaller whole number as a fraction of a larger one, e.g. recognise that 5 out of 8 is <math>\frac{5}{8}</math> ; find equivalent fractions, e.g. <math>\frac{7}{10} = \frac{14}{20}</math> , or <math>\frac{19}{10} = 1 \frac{9}{10}</math> ; relate fractions to their decimal representations</li> </ul>	Year 5 31 Year 5 23	Year5 Autumn Unit 4 Day 1 - 5 Year5 Autumn Unit 5 Day 1 - 2 Year5 Spring Unit 4 Day 3 - 4 Year5 Summer Unit 4 Day 2 - 3
Y5 Counting & Understanding Number 4	<ul style="list-style-type: none"> <li>Understand percentage as the number of parts in every 100 and express tenths and hundredths as percentages</li> </ul>	Year 5 33	
Y5 Counting & Understanding Number 5	<ul style="list-style-type: none"> <li>Use sequences to scale numbers up or down; solve problems involving proportions of quantities, e.g. decrease quantities in a recipe designed to feed six people</li> </ul>	Year 6 27	Year5 Autumn Unit 5 Day 4 - 5 Year5 Summer Unit 5 Day 4 - 5
Y5 Knowing & Using Number Facts 1	<ul style="list-style-type: none"> <li>Use knowledge of place value and addition and subtraction of two-digit numbers to derive sums and differences, doubles and halves of decimals, e.g. <math>6.5 \pm 2.7</math>, halve 5.6, double 0.34</li> </ul>	Year 5 39 Year 5 45 Year 5 47 Year 6 59	Year6 Autumn Unit 5 Day 1 (Yr 5)
Y5 Knowing & Using Number Facts 2	<ul style="list-style-type: none"> <li>Recall quickly multiplication facts up to <math>10 \times 10</math>, use to multiply pairs of multiples of 10 and 100 and derive quickly corresponding division facts</li> </ul>	Year 5 59 Year 5 65	Year5 Summer Unit 3 Day 2
Y5 Knowing & Using Number Facts 3	<ul style="list-style-type: none"> <li>Identify pairs of factors of two-digit whole numbers and find common multiples, e.g. for 6 and 9</li> </ul>	Year 5 21	Year5 Autumn Unit 12 Day 3 - 4 Year5 Summer Unit 12 Day 4
Y5 Knowing & Using Number Facts 4	<ul style="list-style-type: none"> <li>Use knowledge of rounding, place value, number facts and inverse operations to estimate and check calculations</li> </ul>	Year 5 73	Year5 Autumn Unit 3 Day 2 - 3 Year5 Autumn Unit 11 Day 3 - 4 Year5 Spring Unit 2 Day 4 Year5 Summer Unit 1 Day 1
Y5 Calculating 1	<ul style="list-style-type: none"> <li>Extend mental methods for whole- number calculations, e.g. to multiply a two-digit by one-digit number (e.g. <math>12 \times 9</math>), to multiply by 25 (e.g. <math>16 \times 25</math>), to subtract one near multiple of 1000 from another (e.g. <math>6070 - 4097</math>)</li> </ul>	Year 5 41 Year 5 43 Year 5 61 Year 5 63 Year 5 65	Year5 Autumn Unit 2 Day 1 - 2 Year5 Autumn Unit 11 Day 1 - 2 Year5 Spring Unit 2 Day 1 Year5 Spring Unit 3 Day 1 - 3 Year5 Spring Unit 9 Day 1 Year5 Summer Unit 3 Day 1 - 2 Year5 Spring Unit 9 Day 2 - 3
Y5 Calculating 2	<ul style="list-style-type: none"> <li>Use efficient written methods to add and subtract whole numbers and decimals with up to two places</li> </ul>	Year 5 49 Year 5 51	Year5 Autumn Unit 11 Day 3 Year5 Spring Unit 9 Day 4 Year5 Spring Unit 10 Day 1 - 4 Year5 Summer Unit 11 Day 1 - 4
Y5 Calculating 3	<ul style="list-style-type: none"> <li>Use understanding of place value to multiply and divide whole numbers and decimals by 10, 100 or 1000</li> </ul>	Year 6 7	Year6 Autumn Unit 1 Day 1 - 3

Y5 Calculating 4	<ul style="list-style-type: none"> <li>Refine and use efficient written methods to multiply and divide <math>HTU \times U</math>, <math>TU \times TU</math>, <math>U.t \times U</math>, and <math>HTU \div U</math></li> </ul>	Year 5 67 Year 5 69	Year5 Autumn Unit 2 Day 3 - 5 Year5 Autumn Unit 3 Day 1 - 3 Year5 Summer Unit 3 Day 3 - 4
Y5 Calculating 5	<ul style="list-style-type: none"> <li>Find fractions using division, e.g. <math>\frac{1}{100}</math> of 5 kg, and percentages of numbers and quantities, e.g. 10%, 5% and 15% of £80</li> </ul>	Year 5 25 Year 5 33	Year5 Autumn Unit 5 Day 3 Year5 Spring Unit 4 Day 1 - 2 Year5 Summer Unit 4 Day 4 - 5 Year5 Summer Unit 5 Day 1 - 3
Y5 Calculating 6	<ul style="list-style-type: none"> <li>Use a calculator to solve problems, including those involving decimals or fractions, e.g. to find <math>\frac{3}{4}</math> of 150 g; interpret the display correctly in the context of measurement</li> </ul>	Year 5 71	Year5 Autumn Unit 1 Day 2 - 3 Year5 Autumn Unit 3 Day 4 Year5 Autumn Unit 5 Day 1 - 2 Year5 Autumn Unit 6b Day 2 Year5 Spring Unit 2 Day 4 Year5 Summer Unit 1 Day 1 Year5 Summer Unit 5 Day 1 - 2
Y5 Understanding Shape 1	<ul style="list-style-type: none"> <li>Identify, visualise and describe properties of rectangles, triangles, regular polygons and 3-D solids; use knowledge of properties to draw 2-D shapes and identify and draw nets of 3-D shapes</li> </ul>	Year 5 103 Year 5 105 Year 6 105	Year5 Autumn Unit 8 Day 1 - 2; Day 5 Year6 Summer Unit 3 Day 5 Year5 Spring Unit 5a Day 5 Year6 Spring Unit 8 Day 3 - 4 Year5 Summer Unit 8 Day 1 - 2 Year5 Summer Unit 9 Day 2 - 3
Y5 Understanding Shape 2	<ul style="list-style-type: none"> <li>Read and plot co-ordinates in the first quadrant; recognise parallel and perpendicular lines in grids and shapes; use a set-square and ruler to draw shapes with perpendicular or parallel sides</li> </ul>	Year 5 109	Year5 Autumn Unit 8 Day 3 - 4 Year5 Spring Unit 5a Day 1 - 4 Year5 Summer Unit 8 Day 1 - 5 Year5 Summer Unit 9 Day 2; Day 5
Y5 Understanding Shape 3	<ul style="list-style-type: none"> <li>Complete patterns with up to two lines of symmetry and draw the position of a shape after a reflection or translation</li> </ul>	Year 5 107	Year5 Spring Unit 5a Day 1 - 3 Year5 Summer Unit 8 Day 1 - 5
Y5 Understanding Shape 4	<ul style="list-style-type: none"> <li>Estimate, draw and measure acute and obtuse angles using an angle measurer or protractor to a suitable degree of accuracy; calculate angles in a straight line</li> </ul>	Year 5 111	Year5 Spring Unit 5b Day 1 - 3 Year5 Summer Unit 9 Day 1; Day 3
Y5 Measuring 1	<ul style="list-style-type: none"> <li>Read, choose, use and record standard metric units to estimate and measure length, weight and capacity to a suitable degree of accuracy, e.g. the nearest centimetre; convert larger to smaller units using decimals to one place, e.g. change 2.6 kg to 2600 g</li> </ul>	Year 5 91 Year 5 93	Year5 Autumn Unit 9 Day 1 - 2; Day 4 Year5 Autumn Unit 10 Day 4 - 5 Year5 Autumn Unit 11 Day 5 Year5 Spring Unit 7 Day 3 - 5 Year5 Summer Unit 9 Day 3 Year5 Summer Unit 10 Day 1 - 2
Y5 Measuring 2	<ul style="list-style-type: none"> <li>Interpret a reading that lies between two unnumbered divisions on a scale</li> </ul>	Year 5 95	Year5 Autumn Unit 9 Day 2 Year5 Autumn Unit 10 Day 4 - 5 Year5 Spring Unit 7 Day 3 - 5 Year5 Summer Unit 9 Day 3
Y5 Measuring 3	<ul style="list-style-type: none"> <li>Draw and measure lines to the nearest millimetre; measure and calculate the perimeter of regular and irregular polygons; use the formula for the area of a rectangle to calculate its area</li> </ul>	Year 5 97	Year5 Autumn Unit 9 Day 3 - 5 Year5 Spring Unit 7 Day 1 - 2 Year5 Summer Unit 9 Day 4 - 5

<p>Y5 Measuring 4</p>	<ul style="list-style-type: none"> <li>• Read timetables and time using 24- hour clock notation; use a calendar to calculate time intervals</li> </ul>	<p>Year 5 99 Year 5 89 Year 4 100</p>	<p>Year5 Autumn Unit 3 Day 5 Year5 Autumn Unit 8 Day 1; Day 3 Year5 Autumn Unit 9 Day 5 Year5 Autumn Unit 10 Day 1 - 3 Year5 Autumn Unit 11 Day 3; Day 5 Year4 Autumn Unit 12 Day 4 Year5 Spring Unit 2 Day 3 - 5 Year5 Spring Unit 10 Day 5 Year5 Summer Unit 2 Day 3 - 5 Year5 Spring Unit 3 Day 4 - 5 Year4 Summer Unit 8 Day 4 – 5 Year5 Summer Unit 10 Day 1 - 5</p>
<p>Y5 Handling Data 1</p>	<ul style="list-style-type: none"> <li>• Describe the occurrence of familiar events using the language of chance or likelihood</li> </ul>	<p>Year 5 113</p>	<p>Year5 Autumn Unit 6a Day 2 Year5 Summer Unit 6a Day 1 - 2</p>
<p>Y5 Handling Data 2</p>	<ul style="list-style-type: none"> <li>• Answer a set of related questions by collecting, selecting and organising relevant data; draw conclusions, using ICT to present features, and identify further questions to ask</li> </ul>	<p>Year 5 115</p>	<p>Year5 Autumn Unit 6a Day 1; Day 3 Year5 Autumn Unit 6b Day 1; Day 3 Year5 Spring Unit 1 Day 3 Year5 Spring Unit 8 Day 1 - 5 Year5 Summer Unit 6a Day 3 - 5</p>
<p>Y5 Handling Data 3</p>	<ul style="list-style-type: none"> <li>• Construct frequency tables, pictograms and bar and line graphs to represent the frequencies of events and changes over time</li> </ul>	<p>Year 5 115</p>	<p>Year5 Autumn Unit 6a Day 1; Day 3 Year5 Autumn Unit 6b Day 1; Day 3 Year5 Spring Unit 1 Day 3 Year5 Spring Unit 8 Day 1 - 5 Year5 Summer Unit 6a Day 3 - 5</p>
<p>Y5 Handling Data 4</p>	<ul style="list-style-type: none"> <li>• Find and interpret the mode of a set of data</li> </ul>	<p>Year 5 117</p>	<p>Year5 Autumn Unit 6a Day 1; Day 3 - 5 Year5 Autumn Unit 6b Day 1; Day 3 Year5 Spring Unit 1 Day 3 Year5 Spring Unit 8 Day 1 - 5 Year5 Summer Unit 6a Day 3</p>