

	2006 OBJECTIVES	RELATED 1999 OBJECTIVES	UNIT PLAN REFS RELATED TO 1999 OBJECTIVES
Y6 Using & Applying Maths 1	<ul style="list-style-type: none"> Solve multi-step problems, and problems involving fractions, decimals and percentages; choose and use appropriate calculation strategies at each stage, including calculator use 	Year 6 83 Year 6 85 Year 7 87 Year 6 89 Year 6 101 Year 7 75 Year 7 57	Year6 Autumn Unit 1 Day 3 Year6 Autumn Unit 2 Day 4 - 5 Year6 Autumn Unit 3 Day 4 - 5 Year6 Autumn Unit 9 Day 4 - 5 Year6 Autumn Unit 10 Day 3 Year6 Autumn Unit 11 Day 3 - 4 Year6 Spring Unit 2 Day 3 - 5 Year6 Spring Unit 4 Day 1 - 5 Year6 Spring Unit 7 Day 2 - 5 Year6 Spring Unit 9 Day 4 - 5 Year6 Summer Unit 4 Day 5 Year6 Summer Unit 5 Day 1 - 3 Year6 Summer Unit 9 Day 1 - 3; Day 5
Y6 Using & Applying Maths 2	<ul style="list-style-type: none"> Tabulate systematically the information in a problem or puzzle; identify and record the steps or calculations needed to solve it, using symbols where appropriate; interpret solutions in the original context and check their accuracy 	Year 6 83 Year 6 85 Year 7 87 Year 6 89 Year 6 101 Year 7 75 Year 7 57	Year6 Autumn Unit 1 Day 3 Year6 Autumn Unit 2 Day 4 - 5 Year6 Autumn Unit 3 Day 4 - 5 Year6 Autumn Unit 9 Day 4 - 5 Year6 Autumn Unit 10 Day 3 Year6 Autumn Unit 11 Day 3 - 4 Year6 Spring Unit 2 Day 3 - 5 Year6 Spring Unit 4 Day 1 - 5 Year6 Spring Unit 7 Day 2 - 5 Year6 Spring Unit 9 Day 4 - 5 Year6 Summer Unit 4 Day 5 Year6 Summer Unit 5 Day 1 - 3 Year6 Summer Unit 9 Day 1 - 3; Day 5
Y6 Using & Applying Maths 3	<ul style="list-style-type: none"> Suggest, plan and develop lines of enquiry; collect, organise and represent information, interpret results and review methods; identify and answer related questions 	Year 6 115 Year 6 117	Year6 Autumn Unit 6 part 1 Day 2 - 5 Year6 Spring Unit 10 Day 3 - 5 Year6 Summer Unit 4 Day 1 - 4 Year6 Summer Unit 6 Day 1 - 5 Year6 Summer Unit 11 Day 1; Day 3 - 5
Y6 Using & Applying Maths 4	<ul style="list-style-type: none"> Represent and interpret sequences, patterns and relationships involving numbers and shapes; suggest and test hypotheses; construct and use simple expressions and formulae in words then symbols, e.g. the cost of c pens at 15 pence each is $15c$ pence 	Year 6 79 Year 7 17 Year 6 19 Year 6 21 Year 7 81	Year6 Autumn Unit 8 Day 5 Year6 Autumn Unit 12 Day 1 - 5 Year6 Spring Unit 11 Day 1 - 5 Year6 Summer Unit 5 Day 4 - 5 Year6 Summer Unit 9 Day 2 - 3
Y6 Using & Applying Maths 5	<ul style="list-style-type: none"> Explain reasoning and conclusions, using words, symbols or diagrams as appropriate 	Year 6 77	Year6 Autumn Unit 12 Day 3 Year6 Summer Unit 2 Day 1; Day 5
Y6 Counting & Understanding Number 1	<ul style="list-style-type: none"> Find the difference between a positive and a negative integer, or two negative integers, in context 	Year 6 15	Year6 Spring Unit 1 Day 1
Y6 Counting & Understanding	<ul style="list-style-type: none"> Use decimal notation for tenths, hundredths and thousandths, partition, round and 	Year 6 29 Year 6 13	Year6 Autumn Unit 4 Day 2 - 3

Number 2	order decimals with up to three places, and position them on the number line	Year 6 31 Year 7 42 Year 7 44	Year6 Autumn Unit 5 Day 2 - 3; Day 5 Year6 Spring Unit 1 Day 1 - 3 Year6 Spring Unit 5 part 1 Day 1 Year6 Summer Unit 1 Day 1 Year6 Summer Unit 6 Day 2
Y6 Counting & Understanding Number 3	<ul style="list-style-type: none"> Express a larger whole number as a fraction of a smaller one e. g. recognise that 8 slices of a 5-slice pizza represents $\frac{8}{5}$ or $1\frac{3}{5}$ pizzas; simplify fractions by cancelling common factors; order a set of fractions by converting them to fractions with a common denominator 	Year 6 23	
Y6 Counting & Understanding Number 4	<ul style="list-style-type: none"> Express one quantity as a percentage of another, e.g. express £400 as a percentage of £1000; find equivalent percentages, decimals and fractions 	Year 6 31 Year 6 33	Year6 Autumn Unit 4 Day 2; Day 4 - 5 Year6 Autumn Unit 5 Day 2 - 3; Day 5 Year6 Spring Unit 1 Day 3 Year6 Spring Unit 5 part 1 Day 1; Day 5 Year6 Summer Unit 1 Day 1 Year6 Summer Unit 8 Day 2 - 3
Y6 Counting & Understanding Number 5	<ul style="list-style-type: none"> Solve simple problems involving direct proportion by scaling quantities up or down 	Year 6 11 Year 6 27	Year6 Autumn Unit 5 Day 4 Year6 Spring Unit 10 Day 1 - 3 Year6 Summer Unit 5 Day 2 Year6 Summer Unit 8 Day 1; Day 4 - 5 Year6 Summer Unit 10 Day 4 - 5
Y6 Knowing & Using Number Facts 1	<ul style="list-style-type: none"> Use knowledge of place value and multiplication facts to 10×10 to derive related multiplication and division facts involving decimal numbers, e.g. 0.8×7, $4.8 \div 6$ 	Year 6 61 Year 6 63 Year 6 65	Year6 Autumn Unit 2 Day 1 - 3 Year6 Spring Unit 2 Day 1 - 2
Y6 Knowing & Using Number Facts 2	<ul style="list-style-type: none"> Use knowledge of multiplication facts to derive quickly squares of numbers to 12×12 and the corresponding squares of multiples of 10 	Year 6 21 Year 6 59	Year6 Spring Unit 11 Day 3 Year6 Summer Unit 9 Day 2 - 3
Y6 Knowing & Using Number Facts 3	<ul style="list-style-type: none"> Recognise that prime numbers have only two factors and identify prime numbers less than 100; find the prime factors of two-digit numbers 	Year 6 21	Year6 Spring Unit 11 Day 3 Year6 Summer Unit 9 Day 2 - 3
Y6 Knowing & Using Number Facts 4	<ul style="list-style-type: none"> Use approximations, inverse operations and tests of divisibility to estimate and check results 	Year 6 73 Year 6 19	Year6 Autumn Unit 6 part 2 Day 1 Year6 Spring Unit 2 Day 3 - 5 Year6 Spring Unit 4 Day 1 Year6 Spring Unit 7 Day 5 Year6 Spring Unit 11 Day 1 - 3 Year6 Summer Unit 2 Day 1 - 4
Y6 Calculating 1	<ul style="list-style-type: none"> Calculate mentally with integers and decimals: $U.t \pm U.t$, $TU \times U$, $TU \div U$, $U.t \times U$, $U.t \div U$ 	Year 6 45 Year 6 47 Year 6 65	Year6 Spring Unit 2 Day 1
Y6 Calculating 2	<ul style="list-style-type: none"> Use efficient written methods to add and subtract integers and decimals, to multiply and divide integers and decimals by a one-digit integer, and to multiply two- and three-digit integers by a two-digit integer 	Year 6 49 Year 6 51 Year 6 67 Year 6 69 Year 6 57	Year6 Autumn Unit 3 Day 1 - 4 Year6 Autumn Unit 11 Day 2 Year6 Spring Unit 2 Day 3 - 5 Year6 Spring Unit 3 Day 2 - 5 Year6 Spring Unit 7 Day 1 - 2 Year6 Summer Unit 2 Day 1 - 5 Year6 Summer Unit 9 Day 3 - 4
Y6 Calculating 3	<ul style="list-style-type: none"> Relate fractions to multiplication and division, e.g. $6 \div 2 = \frac{1}{2}$ of 6 = $6 \times \frac{1}{2}$; express a quotient as a fraction or decimal, e.g. $67 \div 5 = 13.4$ or $13\frac{2}{5}$; find fractions and percentages of whole-number quantities, e.g. $\frac{5}{8}$ of 96, 65% of £260 	Year 6 25 Year 6 33	Year6 Autumn Unit 4 Day 4 - 5 Year6 Spring Unit 5 part 1 Day 3 - 5 Year6 Summer Unit 8 Day 2 - 3

			Year6 Summer Unit 10 Day 1 - 2
Y6 Calculating 4	<ul style="list-style-type: none"> • Use a calculator to solve problems involving multi-step calculations 	Year 6 71	Year6 Autumn Unit 3 Day 5 Year6 Autumn Unit 5 Day 3; Day 5 Year6 Autumn Unit 6 part 2 Day 1 - 3 Year6 Autumn Unit 11 Day 3 - 5 Year6 Spring Unit 1 Day 1 Year6 Spring Unit 4 Day 1 - 2 Year6 Spring Unit 5 part 1 Day 1 - 2 Year6 Spring Unit 7 Day 3; Day 5 Year6 Summer Unit 9 Day 2
Y6 Understanding Shape 1	<ul style="list-style-type: none"> • Describe, identify and visualise parallel and perpendicular edges or faces and use these properties to classify 2-D shapes and 3-D solids 	Year 6 103 Year 6 105	Year6 Autumn Unit 8 Day 1 - 2 Year6 Spring Unit 8 Day 3 - 4 Year6 Summer Unit 3 Day 5
Y6 Understanding Shape 2	<ul style="list-style-type: none"> • Make and draw shapes with increasing accuracy and apply knowledge of their properties 	Year 6 105	Year6 Spring Unit 8 Day 3 - 4 Year6 Summer Unit 3 Day 5
Y6 Understanding Shape 3	<ul style="list-style-type: none"> • Visualise and draw on grids of different types where a shape will be after reflection, after translations or after rotation through 90° or 180° about its centre or one of its vertices 	Year 6 107 Year 6 111	Year6 Autumn Unit 10 Day 2 Year6 Spring Unit 5 part 2 Day 1 - 3 Year6 Spring Unit 8 Day 1 - 2 Year6 Summer Unit 3 Day 1 - 2; Day 4 Year6 Summer Unit 11 Day 2
Y6 Understanding Shape 4	<ul style="list-style-type: none"> • Use coordinates in the first quadrant to draw and locate shapes 	Year 6 109	Year6 Autumn Unit 8 Day 1 - 2 Year6 Autumn Unit 10 Day 1 Year6 Spring Unit 8 Day 3 Year6 Summer Unit 11 Day 3
Y6 Understanding Shape 5	<ul style="list-style-type: none"> • Estimate angles, and use a protractor to measure and draw them, on their own and in shapes; calculate angles in a triangle or around a point 	Year 6 111	Year6 Spring Unit 5 part 2 Day 1 Year6 Spring Unit 8 Day 1 - 2 Year6 Summer Unit 3 Day 1 Year6 Summer Unit 11 Day 2
Y6 Measuring 1	<ul style="list-style-type: none"> • Select and use standard metric units of measure and convert between units using decimals to two places, e.g. change 2.75 litres to 2750 ml, or vice versa 	Year 6 91 Year 6 93	Year6 Autumn Unit 9 Day 3 Year6 Spring Unit 9 Day 1
Y6 Measuring 2	<ul style="list-style-type: none"> • Read and interpret scales on a range of measuring instruments, recognising that the measurement made is approximate and recording results to a required degree of accuracy; compare readings on different scales, e.g. when using different instruments 	Year 6 95	Year6 Autumn Unit 9 Day 3 Year6 Autumn Unit 10 Day 4 - 5
Y6 Measuring 3	<ul style="list-style-type: none"> • Calculate the perimeter and area of rectilinear shapes; estimate the area of an irregular shape by counting squares 	Year 6 97	Year6 Autumn Unit 8 Day 3 - 5 Year6 Spring Unit 8 Day 5 Year6 Summer Unit 3 Day 3
Y6 Handling Data 1	<ul style="list-style-type: none"> • Describe and predict outcomes from data using the language of chance or likelihood 	Year 6 113	
Y6 Handling Data 2	<ul style="list-style-type: none"> • Solve problems by collecting, selecting, processing, presenting and interpreting data, using ICT where appropriate; draw conclusions and identify further questions to ask 	Year 6 115 Year 6 117	Year6 Autumn Unit 6 part 1 Day 2 - 5 Year6 Spring Unit 10 Day 3 - 5 Year6 Summer Unit 4 Day 1 - 4 Year6 Summer Unit 6 Day 1 - 5 Year6 Summer Unit 11 Day 1; Day 3 - 5
Y6 Handling Data 3	<ul style="list-style-type: none"> • Construct and interpret frequency tables, bar charts with grouped discrete data, and line graphs; interpret pie charts 	Year 6 115 Year 6 117	Year6 Autumn Unit 6 part 1 Day 2 - 5 Year6 Spring Unit 10 Day 3 - 5 Year6 Summer Unit 4 Day 1 - 4

			Year6 Summer Unit 6 Day 1 - 5 Year6 Summer Unit 11 Day 1; Day 3 - 5
Y6 Handling Data 4	<ul style="list-style-type: none"> Describe and interpret results and solutions to problems using the mode, range, median and mean 	Year 6 117	Year6 Autumn Unit 6 part 1 Day 2 - 5 Year6 Spring Unit 10 Day 3 - 5 Year6 Summer Unit 4 Day 1 - 4 Year6 Summer Unit 6 Day 1 - 5 Year6 Summer Unit 11 Day 1; Day 3 - 5