MATHEMATICS TARGETS (Full) A YEAR 4 MATHEMATICIAN GROUP RECORD Page 1							
TARGETS							
Number, place value, approximation and estimation/rounding							
I can count in multiples of 6, 7, 9, 25 and 1,000.							
I can order and compare numbers beyond 1,000.							
I can find 1,000 more or less than a given number.							
I recognise the place value of each digit in a 4-digit number.							
I can read Roman numerals to 100 and know that over time the numeral system changed to include the concept of zero and place value.							
I can identify, represent and estimate numbers using different representations.							
I can round any number to the nearest 10, 100 or 1,000.							
I can count backwards through zero to include negative numbers.							
I can solve number and practical problems with the above (involving increasingly large numbers).							
I understand that the numbers that come after a decimal point have a value of less than one.							
Calculations							
I can add and subtract numbers with up to 4-digits using the formal written methods of columnar addition and subtraction.							
I can estimate and use inverse operations to check answers in a calculation.							
I can solve addition and subtraction 2-step problems in contexts, deciding which operations and methods to use and why.							
I can recall multiplication and division facts up to 12x12.							
I can use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.							
I recognise and use factor pairs and commutativity in mental calculations.							
I can multiply 2-digit numbers by a 1-digit number using formal written layout.							
I can solve problems involving multiplying and adding, including using the distributive law to multiply 2-digit numbers by 1-digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.							
Fractions, decimals and percentages							
I can count up and down in hundredths.							
I recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten.							
I recognise and show using diagrams, families of common equivalent fractions.							
I can add and subtract factions within the same denominator.							
I recognise and write decimal equivalents to 1/4, 1/2 and ¾.							
I recognise and write decimal equivalents of any number of tenths or hundredths.							

I can round decimals with one decimal place to the nearest whole number.							
I can compare numbers with the same number of decimal places up to 2 decimal places.							
I can find the effect of dividing a 1-digit or 2-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.							
I can solve problems involving increasingly harder factions and fractions to divide quantities, including non-unit fractions where the answer is a whole number.							
I recognise and can find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with a variety of denominators.							
I can find fractions of amounts							
I can solve simple measure and money problems involving fractions and decimals to 2 decimal places.							

A Year 4 Mathematician **Page 2**

TARGETS						
Measurement						
I can compare different measures, including money in £ and p.						
I can estimate different measures, including money in £ and p.						
I can calculate different measures. Including money in £ and p.						
I can read, write and convert time between analogue and digital 12 hour clocks.						
I can read, write and convert time between analogue and digital 24 hour clocks.						
I can solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.						
I can convert between different units of measurements						
I can measure and calculate the perimeter of a rectilinear figure in cm and m.						
I can find the area of rectilinear shapes by counting squares.						
I can calculate different measures						
Geometry – properties of shapes						
I can compare and classify geometric shapes, including quadrilateral and triangles based on their properties and sizes.						
I can identify lines of symmetry in 2D shapes presented in different orientations.						
I can complete a simple symmetric figure with respect to a specific line of symmetry,						
I can identify acute and obtuse angles and compare and order angles up to two right angles by size.						
I can make good estimations of some angles by sight						
Geometry – position and direction						
I can describe movements between positions as translations of a given unit to the left/right and up/down.						
I can describe positions on a 2D grid as coordinates in the first quadrant.						
I can plot specified points and draw sides to complete a given polygon.						

Statistics						
I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.						
I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.						

Mathematics Targets

Exceeding Year 4 Expectations

TARGETS							
I can use tenths, hundredths and thousandths when comparing values and solving addition and subtraction problems.							
I can round any number to 100,000 to the nearest 10, 100, 1,000 or 10,000.							
I can relate tenths and hundredths to fractional values.							
I can rapidly recall answer when multiplying and dividing a whole or decimal number by 10.							
I can solve multi-step problems involving more than one of the operations.							
I can work out simple percentage values of whole numbers, for example, as met in on-going learning in science, history and geography							
I can compare and add fractions whose denominators are all multiples of the same number.							
I can use a 24-hour timetable to find out times for journeys between various places.							
I can use my knowledge of perimeter to work out the perimeter of large areas around school, using metres and centimetres.							
I can collect my own data on a given project and present information in graphical formats of my choosing.							