Year 4 –Maths Objectives   Teacher: Class: Year Group: Academic Year:

NUMBER – number and place value	A1	A2	Sp1	Sp2	Sm1	Sm2
Count in multiples of 6, 7, 9, 25 and 1000						
Find 1000 more or less than a given number						
Count backwards through zero to include negative numbers						
Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)						
Order and compare numbers beyond 1000						
Identify, represent and estimate numbers using different representations						
Round any number to the nearest 10, 100 or 1000						
Solve number and practical problems that involve all of the above and with increasingly large positive numbers						
Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value						
NUMBER – addition and subtraction	**A1**	**A2**	**Sp1**	**Sp2**	**Sm1**	**Sm2**
Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate						
Estimate and use inverse operations to check answers to a calculation						
Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why						
NUMBER – multiplication and division	**A1**	**A2**	**Sp1**	**Sp2**	**Sm1**	**Sm2**
Recall multiplication and division facts for multiplication tables up to 12 × 12						
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						
Recognise and use factor pairs and commutativity in mental calculations						
Multiply two-digit and three-digit numbers by a one-digit number using formal written layout						
Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects						
NUMBER – fractions (including decimals)	**A1**	**A2**	**Sp1**	**Sp2**	**Sm1**	**Sm2**
Recognise and show, using diagrams, families of common equivalent fractions						
Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.						
Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number						

Add and subtract fractions with the same denominator						
Recognise and write decimal equivalents of any number of tenths or hundredths						
Recognise and write decimal equivalents to ¼, ½, ¾						
Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths						
Round decimals with one decimal place to the nearest whole number						
Compare numbers with the same number of decimal places up to two decimal places						
Solve simple measure and money problems involving fractions and decimals to two decimal places						
MEASUREMENT	**A1**	**A2**	**Sp1**	**Sp2**	**Sm1**	**Sm2**
Convert between different units of measure [for example, kilometre to metre; hour to minute]						
Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres						
Find the area of rectilinear shapes by counting squares						
Estimate, compare and calculate different measures, including money in pounds and pence						
GEOMETRY – properties of shapes	**A1**	**A2**	**Sp1**	**Sp2**	**Sm1**	**Sm2**
Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes						
Identify acute and obtuse angles and compare and order angles up to two right angles by size						
Identify lines of symmetry in 2-D shapes presented in different orientations						
Complete a simple symmetric figure with respect to a specific line of symmetry						
GEOMETRY – position and direction	**A1**	**A2**	**Sp1**	**Sp2**	**Sm1**	**Sm2**
Describe positions on a 2-D grid as coordinates in the first quadrant						
Describe movements between positions as translations of a given unit to the left/right and up/down						
Plot specified points and draw sides to complete a given polygon						
STATISTICS	**A1**	**A2**	**Sp1**	**Sp2**	**Sm1**	**Sm2**
Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs						
Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs						