Maths – Upper Key Stage Two
Progressive statements

Year Group	Number and Place Value, Approximation and estimation	Addition and Subtraction	Multiplication and Division	Fractions	Decimals, percentages and fractions	Measures	Geometry properties of shapes	Geometry – position, direction and motion	Data
Year 5	I can read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit I can count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000 I can interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero I can round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000 I can solve number problems and practical problems that involve all of the above I can read Roman numerals to 1,000 (M) and recognise years written in Roman numerals	I can add and subtract whole numbers with more than 4 digits, including using efficient written methods (columnar addition and subtraction) I can subtract numbers mentally with increasingly large numbers I can use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	I can identify multiples and factors, including finding all factor pairs I can solve problems involving multiplication and division where larger numbers are used by decomposing them into their factors I can know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers I can establish whether a number up to 100 is prime and recall prime numbers up to 19 I can multiply numbers up to 4 digits by a one- or two-digit number using an efficient written method, including long multiplication for two-digit numbers I can multiply and divide numbers mentally drawing upon known facts I can divide numbers up to 4 digits by a one-digit number using the efficient written method of short division and interpret remainders appropriately for the context I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 I can recognise and use square numbers and cube numbers, and the	I can compare and order fractions whose denominators are all multiples of the same number I can recognise mixed numbers and improper fractions and convert from one form to the other I can add and subtract fractions with the same denominator and related fractions; write mathematical statements >1 as a mixed number (e.g. 2/5 + 4/5 = 6/5 = 11/5) I can multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams	I can read and write decimal numbers as fractions (e.g. 0.71 = 71/100) I can recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents I can round decimals with two decimal places to the nearest whole number and to one decimal place I can read, write, order and compare numbers with up to three decimal places I can solve problems involving number up to three decimal places I can recognise the per cent symbol (%) and understand that per cent relates to "number of parts per hundred", and write percentages as a fraction with denominator hundred, and as a decimal fraction I can solve problems which require	I can convert between different units of measure (e.g. kilometre and metre; metre and centimetre; centimetre and millimetre; kilogram and gram; litre and millilitre) I can understand and use basic equivalences between metric and common imperial units and express them in approximate terms I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres I can calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes I can recognise and estimate volume (e.g. using 1 cm3 blocks to build cubes and cuboids) and capacity (e.g. using water) I can solve problems involving converting	I can identify 3-D shapes, including cubes and cuboids, from 2-D representations I can know angles are measured in degrees; estimate and measure them and draw a given angle, writing its size in degrees (o) I can identify: multiples of 90o I can identify: angles at a point on a straight line and ½ a turn (total 180o) I can identify: angles at a point and one whole turn (total 360o) I can identify: reflex angles, and compare different angles I can draw shapes using given dimensions and angles I can state and use the properties of a rectangle (including squares) to deduce related facts I can	I can identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed	I can solve comparison, sum and difference problems using information presented in line graphs I can complete, read and interpret information in tables, including timetables

			notation for squared (2) and cubed (3) I can solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign I can solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates		knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those with a denominator of a multiple of 10 or 25	between units of time I can solve problems involving addition and subtraction of units of measure (e.g. length, mass, volume, money) using decimal notation	distinguish between regular and irregular polygons based on reasoning about equal sides and angles		