Year 6 Maths Targets –Pupil Asset order

	Foundational and Conceptual Achievement Statements	I am working towards ARE	I am at ARE	I am working at greater depth
6F1	**I can read, write, order and compare numbers up to 10 million and determine the value of each digit**			
6F2	**I can add, subtract and use negative numbers in context, and calculate in intervals across zero**			
6F3	I can perform mental calculations, including mixed operations and large numbers			
6F4	**I can use my knowledge of the order operations to carry out calculations involving the four operations**			
6F5	I can follow the order of operations in calculations, and where there are brackets, do these first e.g. 2+(3x4)-9=5			
6F6	**I can identify common factors, common multiples and prime numbers**			
6C1	**I can use estimation to check answers to calculations and determine an appropriate level of accuracy**			
6C2	**I can round any number to any degree of accuracy**			
6C3	**I can solve problems which require answers to be rounded to specified degrees of accuracy**			
6C4	**I can use formal written methods to solve multistep problems using all 4 operations**			
6C5	**I can solve problems that involve calculating interval across zero**			
6F7	**I can multiply numbers with at least 4-digits by a 2-digit whole number using long multiplication**			
6F8	**I can divide numbers up to 4-digits by a 2-digit whole number using long division, and interpret the remainders, fractions, decimals or by rounding as appropriate for the context**			
6F9	I can use common factors to simplify fractions and use common multiples to express fractions in the same denomination			
6F10	**I can compare and order any fraction, including fractions >1**			

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6F12	**I can recall and use equivalences between simple fractions, decimals and percentages including in different contexts**			
6C7	**I can add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions**			
6C8	I can multiply simple pairs of proper fractions, writing the answer in its simplest form			
6C9	I can divide proper fractions by whole numbers			
6F13	**I can multiply and divide numbers up to three decimals places by 10, 100 and 1000 where the answers are up to three decimal places**			
6F14	I can multiply 1-digit numbers with up to two decimal places by whole numbers			
6C6	**I can use written division methods in cases where the answer has up to 2 decimal places**			
6C11	**I can calculate decimal fraction equivalents for a simple fraction and explain how I've done it**			
6C10	I can use percentages for comparison and calculate percentages of whole numbers or measures			
6C23	**I can generate and extend linear number sequences**			
6C24	I can express missing number problems algebraically			
6C25	**I can find pairs of numbers that satisfy number sentences involving two unknowns**			
6C26	**I can use a simple formula to find an answer to a problem**			
6C27	I can make a table showing a range of outcomes from applying a rule to two variables			
6F11	I can recognise equivalent ratios and reduce a given ratio to its lowest terms			
6C12	I can solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts			
6C13	I can solve problems involving unequal sharing and grouping using knowledge of fractions and multiples			
6C14	**I can solve problems involving similar shapes where the scale factor is known or can be found**			

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6F17	I can illustrate and name parts s of circles, including radius, diameter and circumference and know that the diameter is twice the radius			
6F18	I can recognise, describe and build simple 3-D shapes, including making nets			
6C19	I can compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons			
6F19	**I can recognise angles and find unknown angles involving angles at a point, on a straight line, in a triangle (180 degrees), in a quadrilateral (360 degrees) and vertically opposite angles**			
6F20	I can describe positions in the full coordinate grid (all four quadrants)			
6C20	**I can construct, translate and reflect simple shapes on the coordinate plane and reflect them in the axes**			
6F15	I can calculate the area of parallelograms and triangles			
6F16	**I can recognise when it is necessary to use the formulae for area and volume of shapes**			
6C15	I can solve problems involving the calculation and conversion of units of measure, using decimal notation to three decimal places			
6C16	I can use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, including between miles and kilometres using decimal notation to three decimal places			
6C17	I can calculate, estimate and compare volume of cubes and cuboids using standard units, including cm^3 and m^3			
6C18	I can convert measurements of distance between miles and kilometres			

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6F21	I can calculate an average (mean)			
6F22	I can calculate the mode and median			
6C21	I can interpret and construct pie charts and line graphs and use them to solve problems			
6C22	**I can solve different types of problems using averages**			