Year 6 - Maths

Number – number & place value

6.NPV1 read, write, order and compare numbers up to 10,000,000 and determine the value of each digit					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NPV2 round any whole number to a required degree of accuracy					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NPV3 use negative numbers in context, and calculate intervals across 0					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
NPV4 solve number and practical problems that involve all of the above					
Not Met	Shallow	Emerging	Developing	Deepening	Functional

Year 6 - Maths

Number – addition & subtraction, multiplication & division

6.NAS1 multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS2 divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS3 divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS4 perform mental calculations, including with mixed operations and large numbers					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS5 identify common factors, common multiples and prime numbers					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS6 use their knowledge of the order of operations to carry out calculations involving the 4 operations					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS7 solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS8 solve problems involving addition, subtraction, multiplication and division					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS9 use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy					
Not Met	Shallow	Emerging	Developing	Deepening	Functional

Year 6 - Maths

Number - Fractions

6.NF1 use common factors to simplify fractions; use common multiples to express fractions in the same denomination					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NF2 compare and order fractions, including fractions >1					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NF3 add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NF4 multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NF5 divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$]					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NF6 associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$]					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NF7 identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NF8 multiply one-digit numbers with up to 2 decimal places by whole numbers					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NF9 use written division methods in cases where the answer has up to 2 decimal places					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NF10 solve problems which require answers to be rounded to specified degrees of accuracy					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NF11 recall and use equivalences between simple fractions, decimals and percentages, including in different contexts					
Not Met	Shallow	Emerging	Developing	Deepening	Functional

Year 6 - Maths

Number - Ratio and Proportion

6.NRP1 solve problems involving the relative sizes of 2 quantities where missing values can be found by using integer multiplication and division facts					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NRP2 solve problems involving the calculation of percentages [for example, of measures and such as 15% of 360] and the use of percentages for comparison					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NRP3 solve problems involving similar shapes where the scale factor is known or can be found					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NRP4 solve problems involving unequal sharing and grouping using knowledge of fractions and multiples					
Not Met	Shallow	Emerging	Developing	Deepening	Functional

Year 6 - Maths

Number - Algebra

6.NA1 use simple formulae					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NA2 generate and describe linear number sequences					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NA3 express missing number problems algebraically					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NA4 find pairs of numbers that satisfy an equation with 2 unknowns					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NA4 enumerate possibilities of combinations of 2 variables					
Not Met	Shallow	Emerging	Developing	Deepening	Functional

Year 6 - Maths

Measurement

6.M1 solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.M2 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, using decimal notation to up to 3 decimal places					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.M3 convert between miles and kilometres					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.M4 recognise that shapes with the same areas can have different perimeters and vice versa					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.M5 recognise when it is possible to use formulae for area and volume of shapes					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.M6 calculate the area of parallelograms and triangles					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.M7 calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm^3) and cubic metres (m^3), and extending to other units [for example, mm^3 and km^3]					
Not Met	Shallow	Emerging	Developing	Deepening	Functional

Year 6 - Maths

Geometry - Properties of Shape

6.GPS1 describe positions on the full coordinate grid (all 4 quadrants)					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.GPS2 draw and translate simple shapes on the coordinate plane, and reflect them in the axes					
Not Met	Shallow	Emerging	Developing	Deepening	Functional

Year 6 - Maths

Statistics

6.S1 interpret and construct pie charts and line graphs and use these to solve problems					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.S2 calculate and interpret the mean as an average					
Not Met	Shallow	Emerging	Developing	Deepening	Functional