ProfessorAssessor
Assessment Made Simple

Medium-term Plan

Summer term, two weekly assessment – **Medium Confidence**

Year 6

Curriculum Strand	Week	Learning Objective Curriculum Sub-strand	Additional Activities	Professor Assessor Assessment	Rec. No. of Questions	Estimated Test Duration
NUMBER AND PLACE VALUE	1	✓ 6N3 - Determine the value of each digit in numbers up to 10 000 000 ✓ 6N4 - Round any whole number to a required degree of accuracy ✓ 6N6 - Solve number and practical problems that involve 6N2 – 6N5	✓ 6N2 - Read, write, order and compare numbers up to 10 000 000 ✓ 6N5 - Use negative numbers in context, and calculate intervals across zero			
CALCULATION (x/÷)	2	✓ 6C7a - Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication ✓ 6C7b - 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 ✓ 6C7c - 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	✓ 6C4 - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why ✓ 6C5 - Identify common factors, common multiples and prime numbers	6N3 6N4 6N6 6C7a 6C7b 6C7c	30	30 – 45 mins
GEOMETRY (SHAPE)	3	✓ 6G4a - Find unknown angles in any triangles, quadrilaterals, and regular polygons ✓ 6G4b - Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles ✓ 6G5 - Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius	✓ 6G3a - Draw 2D shapes using given dimensions and angles ✓ 6G3b - Recognise and build simple 3-D shapes, including making nets ✓ 6G5 - Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius			
CALCULATION PROBLEM SOLVING	4	✓ 6C6 - Perform mental calculations, including with mixed operations and large numbers ✓ 6C8 - Solve problems involving addition, subtraction, multiplication and division	✓ 6C3 - Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. ✓ 6R1 - Solve problems involving the relative sizes of two quantities where missing values can be found by using	6G4a 6G4b 6G5	30	30 – 45 mins

		✓ 6C9 - Use their knowledge of the order of operations to carry out calculations involving the four operations	integer multiplication and division facts ✓ 6R2 - Solve problems involving the calculation of percentages [e.g. of measures and such as 15% of 360] and the use of percentages for comparison ✓ 6R4 - Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.	6C6 6C8 6C9		
FRACTIONS	5	✓ 6F2 - Use common factors to simplify fractions; use common multiples to express fractions in the same denomination ✓ 6F3 - Compare and order fractions, including fractions >1 ✓ 6F4 - Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	✓ 6N3 - Determine the value of each digit in numbers up to 10 000 000 ✓ 6N4 - Round any whole number to a required degree of accuracy ✓ 6C7a - Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication			
FRACTIONS	6	✓ 6F5a - Multiply simple pairs of proper fractions, writing the answer in its simplest form [e.g. ¼ × ½= ⅛] ✓ 6F5b - Divide proper fractions by whole numbers [e.g. ⅓ ÷ 2 = ⅙] ✓ 6F6 - Associate a fraction with division and calculate decimal fraction equivalents [e.g. 0.375] for a simple fraction [e.g. ⅜]	✓ 6N5 - Use negative numbers in context, and calculate intervals across zero ✓ 6N6 - Solve number and practical problems that involve 6N2 – 6N5 ✓ 6C7b - 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	6F2 6F3 6F4 6F5a 6F5b 6F6	30	30 – 45 mins
FRACTIONS	7	✓ 6F9b - Multiply one-digit numbers with up to two decimal places by whole numbers ✓ 6F9c - Use written division methods in cases where the answer has up to two decimal places	✓ 6F9a - Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places			

MEASUREMENT	8	✓ 6M5 - 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 up to three decimal places ✓ 6M8a - Calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm³)and cubic metres (m³) and extending to other units [e.g. mm³ and km³]. ✓ 6M8b - Recognise when it is possible to use the formulae for the volume of shapes ✓ 6M9 - Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate	✓ 6C8 - Solve problems involving addition, subtraction, multiplication and division ✓ 6C7c - 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 ✓ 6C9 - Use their knowledge of the order of operations to carry out calculations involving the four operations	6F9b 6F9c 6M5 6M8a 6M8b 6M9	30	30 – 45 mins
ALGEBRA	9	✓ 6A2 - Use simple formulae ✓ 6A3 - Generate and describe linear number sequences ✓ 6A4 - Find pairs of numbers that satisfy an equation with two unknowns ✓ 6A5 - Enumerate possibilities of combinations of two variables	✓ 6N2 - Read, write, order and compare numbers up to 10 000 000 ✓ 6N3 - Determine the value of each digit in numbers up to 10 000 000 ✓ 6N4 - Round any whole number to a required degree of accuracy			
STATISTICS	10	✓ 6S1 - Interpret and construct pie charts and line graphs and use these to solve problems ✓ 6S3 - Calculate and interpret the mean as an average.	✓ 6C3 - Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. ✓ 6C6 - Perform mental calculations, including with mixed operations and large numbers ✓ 6C8 - Solve problems involving addition, subtraction, multiplication and division	6A2 6A3 6A4 6A5 6S1 6S3	30	30 – 45 mins
GEOMETRY (POSITION AND DIRECTION)	11	✓ 6P2 - Draw and translate simple shapes on the co-ordinate plane, and reflect them in the axes. ✓ 6P3 - Describe positions on the full co-ordinate grid (all four quadrants)6F11 - Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.	✓ 6N2 - Read, write, order and compare numbers up to 10 000 000 ✓ 6N3 - Determine the value of each digit in numbers up to 10 000 000			

GEOMETRY (SHAPE)	12	✓ 6G2a - Compare and classify geometric shapes based on their properties and sizes ✓ 6G2b – Describe simple 3-D shapes ✓ 6G3b - Recognise and build simple 3-D shapes, including making nets ✓ 6G4a - Find unknown angles in any triangles, quadrilaterals, and regular polygons	✓ 6N6 - Solve number and practical problems that involve 6N2 – 6N5 ✓ 6C4 - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	6P2 6P3 6G2a 6G2b 6G3b 6G4a	30	30 – 45 mins