Meridian Angel Primary School

Year 6 Maths Assessment (Statements

Name:							Class:												
	B	B +	W	W +	S	S +		B	B +	W	W +	S	S +		B	B +	W	W +	S	S +
Autumn							Spring							Summer						

Number	
Number and Place Value achieved	**Date**
To read, write, order and compare numbers up to 10 000 000 and determine the value of each digit	
To round any whole number to a required degree of accuracy	
To use negative numbers in context, and calculate intervals across zero	
To solve number and practical problems that involve all of the above.	
Addition, Subtraction, Multiplication and Division	
To multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication.	
To divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division.	
To interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context.	
To 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	
To perform mental calculations, including with mixed operations and large numbers	
To identify common factors, common multiples and prime numbers	
To use their knowledge of the order of operations to carry out calculations involving the four operations	
To solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	
To solve problems involving addition, subtraction, multiplication and division	
To use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.	
Ratio and Proportion	
To solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.	
To solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison	
To solve problems involving similar shapes where the scale factor is known or can be found	
To solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.	
Algebra	
To use simple formulae	

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To generate and describe linear number sequences	
To express missing number problems algebraically	
To find pairs of numbers that satisfy an equation with two unknowns	
Fraction, Decimal, Percentages	
To use common factors to simplify fractions; use common multiples to express fractions in the same denomination	
To compare and order fractions, including fractions > 1	
To add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	
To multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, ¼ x ½ = 1/8	
To divide proper fractions by whole numbers [for example, 1/3 ÷ 2 = 1/6	
To associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375 = 3/8	
To identify the value of each digit in numbers given to three decimal places	
To multiply and divide numbers up to 3d.p by 10, 100 and 1000 giving answers up to three decimal places.	
To multiply one-digit numbers with up to two decimal places by whole numbers	
To use written division methods in cases where the answer has up to two decimal places	
To solve problems which require answers to be rounded to specified degrees of accuracy	
To recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.	
Measurement	
To solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate	
To use, read, write and convert between standard units, converting measurements of length from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places	
To use, read, write and convert between standard units, converting measurements of mass from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places	
To use, read, write and convert between standard units, converting measurements of volume from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places	
To use, read, write and convert between standard units, time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places	
To convert between miles and kilometres	
To recognise that shapes with the same areas can have different perimeters and vice versa	
To recognise when it is possible to use formulae for area and volume of shapes	

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To calculate the area of parallelograms and triangles	
To calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3), and extending to other units [for example, mm3 and km3].	
Geometry (Shapes, Position and directions)	
To draw 2-D shapes using given dimensions and angles	
To recognise, describe and build simple 3-D shapes, including making nets	
To compare and classify geometric shapes based on their properties and sizes	
To find unknown angles in any triangles, quadrilaterals, and regular polygons	
To illustrate and name parts of circles, including radius, diameter and circumference.	
To know that the diameter is twice the radius	
To recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.	
To describe positions on the full coordinate grid (all four quadrants)	
Statistics	
To interpret and construct pie charts	
To interpret and construct line graphs	
To solve problems involving pie charts and line graphs	
To calculate and interpret the mean as an average.	

Steps

B	B+	W	W+	S	S+
1-12 statements highlighted	*12-21 statements highlighted*	*22 – 31 statements highlighted*	*32 -41 statements highlighted*	*42-52 statements highlighted*	*53-60 statements highlighted*