1Excellence
Multi Academy Trust

A: Number and Place Value

1: I can read, write, order and compare numbers up to 10,000,000.

2: I can determine the value of each digit in numbers up to 10,000,000

3: I can round any whole number to the required degree of accuracy

4: I can use negative numbers in context

5: I can solve number and place value problems in different contexts.

E: Geometry - properties of shape, position & direction

1: I can draw 2D shapes using given dimensions and angles.

2: I can recognise, describe and build 3D shapes using nets.

3: I can compare and describe a range of 2D and 3D shapes based upon their properties and sizes.

4: I can find missing angles in triangles, quadrilaterals and regular polygons.

5: I can find missing angles in shapes, on a straight line and when vertically opposite.

6: I can draw and name the parts of a circle including radius, diameter and circumference.

7: I can describe positions on a four quadrant coordinate grid.

8: I can draw and translate simple shapes in all four axes.

9: I can reflect simple shapes in all four axes.

B: Calculation: addition, subtraction, multiplication and division

1: I can use formal written multiplication to multiply up to a four digit number by a two digit number.

2: I can use formal long division to divide up to a four digit number by a two digit number.

3: I can use formal short division to divide numbers up to 4 digits by a two digit number.

4: I can interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context.

5: I can do mental calculations, including with mixed operations and large numbers.

6: I can identify common factors, common multiples and prime numbers.

7: I can use my knowledge of the order of operations to calculate the answers to questions.

8: I can decide which operation and method to use to solve addition and subtraction multi-step problems in context.

9: I can solve problems involving addition, subtraction, multiplication and division.

10: I can estimate to check my answers are reasonable in the context of a problem

F: Statistics

1: I can construct and interpret pie charts and use them to solve problems.

2: I can construct and interpret line graphs and use them to solve problems.

3: I can calculate the mean as an average.

C: Fractions, decimals and percentages

1: I can use common factors to simplify fractions.

2: I can use common multiples to give equivalent fractions.

3: I can compare and order fractions, including fractions >1.

4: I can use equivalent fractions to add and subtract fractions with different denominators and mixed numbers.

5: I can multiply simple pairs of proper fractions and write the answer in its simplest form.

6: I can divide proper fractions by whole numbers.

7: I can convert fractions to decimals using division.

8: I can identify the value of each digit in numbers to 3 decimal places and use this to multiply and divide by 10, 100, 1000 giving the answer with up to 3 decimal places.

9: I can multiply one-digit numbers up to 2 decimal places by whole numbers.

10: I can use written division methods where the answer has up to 2 decimal places.

11: I can solve problems and round the answer to a specific degree of accuracy.

12: I can say and use equivalences between fractions, decimals and percentages, including in different contexts.

G: Algebra

1: I can use simple formulae

2: I can generate and describe number sequences.

3: I can write missing number problems using algebra (letters, or symbols, instead of numbers).

4: I can find a pair of numbers that solve an equation with two unknowns.

5. I can give all the possible answers when two unknowns are combined.

D: Measurement

1: I can solve problems involving calculation and conversion of units of measure up to 3 decimal places.

2: I can solve problems involving use, read, write and convert standard units of measure using decimals up to 3 places.

3: I can convert between miles and kilometres.

4: I can recognise that shapes with the same area can have different perimeters and vice versa.

5: I recognise when it is possible and can use a formula to calculate the area and volume of shapes.

6: I can calculate the area of parallelograms and triangles.

7: I can estimate and calculate the volumes of cubes and cuboids using standard units.

H: Ratio and proportion

1: I can use multiplication and division to solve ratio problems with missing values

2: I can solve problems involving the calculation of percentages and the use of percentages for comparison.

3: I can solve problems involving shapes where the scale factor is known / can be found.

4: I can solve problems that involve unequal sharing using my knowledge of fractions and multiples.