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Year 6 Maths Assessment Checklist

Number and Place Value

- ☐ I can write numbers up to 10,000,000 and determine the value of each digit.
- ☐ I can compare numbers up to 10,000,000 and determine the value of each digit.
- ☐ I can use negative numbers in context, and calculate intervals across zero.
- ☐ I can find pairs of numbers that satisfy number sentences involving two unknowns.
- ☐ I can order numbers up to 10,000,000 and determine the value of each digit.
- ☐ I can read numbers up to 10,000,000 and determine the value of each digit.
- ☐ I can round any whole number to a required degree of accuracy.
- ☐ I can solve number and practical problems.

Addition, Subtraction, Division and Multiplication

- ☐ I can multiply multi-digit numbers up to 4 digits by a two-digit whole number.
- ☐ I can identify common factors, common multiples and prime numbers
- ☐ I can divide numbers up to 4 digits by a two-digit whole number using long division.
- ☐ I can divide numbers up to 4 digits by a two-digit whole number using short division.
- ☐ I can perform mental calculations.
- ☐ I can use my knowledge of the order of operations to carry out calculations involving the four operations.
- ☐ I can solve addition and subtraction multi-step problems in contexts.

Fractions

- ☐ I can compare and order fractions.
- ☐ I can associate a fraction with division and calculate decimal fraction equivalents for a simple fraction.
- ☐ I can use common multiples to express fractions in the same denomination.
- ☐ I can use common factors to simplify fractions.
- ☐ I can add and subtract fractions with different denominators and mixed numbers.
- ☐ I can divide proper fractions by whole numbers.
- ☐ I can multiply simple pairs of proper fractions, writing the answer in its simplest form.
- ☐ I can identify the value of each digit in numbers given to three decimal places.

Ratio and Proportion

- ☐ I can solve problems involving the relative sizes of two quantities.
- ☐ I can solve problems involving similar shapes where the scale factor is known or can be found.
- ☐ I can solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.
- ☐ I can solve problems involving the calculation of percentages and the use of percentages for comparison.

Algebra

- ☐ I can generate and describe linear number sequences.
- ☐ I can enumerate possibilities of combinations of two variables.
- ☐ I can use simple formulae.
- ☐ I can express missing number problems algebraically.
- ☐ I can find pairs of numbers that satisfy an equation with two unknowns.

Measurement

- ☐ I can solve problems involving the calculation and conversion of units of measure.
- ☐ I can calculate, estimate and compare volume of cubes and cuboids using standard units.
- ☐ I can use, read, write and convert between standard units.
- ☐ I can recognise when it is possible to use formulae for area and volume of shapes.
- ☐ I can convert between miles and kilometres.
- ☐ I can calculate the area of parallelograms and triangles
- ☐ I can recognise that shapes with the same areas can have different perimeters and vice versa.

Geometry

- ☐ I can recognise angles where they are on a straight line.
- ☐ I can recognise angles where they meet at a point.
- ☐ I can find unknown angles in any triangles, quadrilaterals, and regular polygons.
- ☐ I can compare and classify geometric shapes based on their properties and sizes
- ☐ I can draw 2-D shapes using given dimensions and angles.
- ☐ I can illustrate and name parts of circles, including radius, diameter and circumference.
- ☐ I can recognise, describe and build simple 3-D shapes, including making nets.
- ☐ I know that the diameter of a circle is twice the radius.
- ☐ I can reflect simple shapes in the axes of the coordinate plane.
- ☐ I can draw and translate simple shapes on the coordinate plane.
- ☐ I can describe positions on the full coordinate grid.
- ☐ I can find missing angles.
- ☐ I can recognise angles where they are vertically opposite.

Statistics

- ☐ I can interpret and construct pie charts and use them to solve problems.
- ☐ I can interpret and construct line graphs and use them to solve problems.

Notes