



Y6 Maths Assessment

Times Tables and Rapid Recall
I can multiply and divide numbers mentally.
Properties of Number, Place Value and Algebra
I can read write, order and compare numbers to 10 000 000 (10 million) and determine the value of each digit.
I can round any whole number to a required degree of accuracy.
I can use negative numbers in context and calculate intervals across zero.
I can use simple formulae.
I can explore the order of operations using brackets.
I can express missing number problems algebraically.
I can generate and describe linear number sequences.
I can find pairs of numbers that satisfy an equation with 2 unknowns.
I can solve a variety of number problems using formulae and algebraic equations.
Addition and Subtraction
I can do mental addition and subtraction of larger numbers.
I can solve addition and subtraction multi-step problems in context, with increasingly large numbers, deciding which operation to use and why to use it.
Multiplication and Division
I can identify common factors, common multiples and prime numbers.
I can multiply and divide large numbers mentally, including mixed operations.
I can multiply multi digit numbers up to 4 digits (including decimals) by a 2 digit whole number using the formal written method of long multiplication.
I can divide numbers up to 4 digits by a 2 digit whole number using long division.
I can divide numbers up to 4 digits by a 2 digit number using short division.
I can interpret remainders as whole number remainders, fractions, or by rounding, as appropriate to the context.
I can use knowledge of the order of operations to carry out calculations involving the four number operations.
I can solve multi-step word problems and investigations involving all four operations from a large range of contexts.
I consistently use estimation to check the reasonableness of your answer in all calculations (including decimals).
Measures, including time
I can use, read, write and convert between standard units of measure, using decimal notation up to 3 decimal places.
I can solve problems involving the calculation and conversion of standard units of measure, using decimal notation up to 3 decimal places.
I can calculate, estimate and compare the volume of cubes and cuboids using standard units i.e. cm ³ , m ³ , mm ³ .
I can recognise when it is possible to use formulae to calculate volume and area 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 area can have different perimeters and vice versa.
I can reason about and solve problems involving time.
Fractions, including Ratio and Proportion

I can use common multiples to express fractions in the same denomination.
I can compare and order any set of fractions, proper or improper, or mixed numbers including those with different denominations.
I can add and subtract fractions with different denominators, using the idea of equivalence.
I can multiply simple pairs of proper fractions and write the answer in its simplest form e.g. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$.
I can divide proper fractions by a whole number e.g. $\frac{1}{3}$ divided by 2 = $\frac{1}{6}$.
I can multiply and divide numbers by 10, 100 and 1000 giving answers up to 3 decimal places.
I can associate a fraction with division and calculate decimal equivalents e.g. $\frac{3}{8} = 0.375$.
I can multiply 1 digit numbers with up to 2 decimal places by whole numbers.
I can solve problems which require answers to be rounded to specified degrees of accuracy.
I can recall and use equivalence between fractions, decimals and % to solve problems e.g. 10% of £5.
I can solve % problems in a variety of contexts such as comparing % (e.g. best buys).
I can identify that a problem can be written as a ratio and I can divide a quantity into a given ratio.
I can solve problems involving unequal sharing or grouping using my knowledge of fractions and multiples.
I can solve problems involving similar shapes where the scale factor is known or can be found.
Geometry
I can draw 2D shapes accurately using given dimensions and angles.
I can recognise, describe and build 3D shapes, including making nets.
I can compare and classify geometric shapes based on their properties and sizes.
I can find unknown angles in triangles, quadrilaterals and regular polygons.
I can recognise angles where they meet at a point, are on a straight line or are vertically opposite, and find missing angles.
I can illustrate and name parts of a circle, including radius, diameter and circumference and know that diameter is twice the radius.
I can solve problems and reason about shapes and their properties.
I can label the axes of a grid in all 4 quadrants and describe positions on the grid.
I can draw and translate simple shapes on the coordinate plane (4 quadrant grid) and reflect them in the axes.
Statistics
I can construct and interpret line graphs.
I can construct and interpret pie charts.
I can solve problems using the data from line graphs (including conversion graphs) and pie charts (including ones I have constructed myself).
I can calculate the mean as an average and understand when it is appropriate to find the mean of a set of data.