



Year 6

Maths

NP5 - Solve number and practical problems.

NP4 - Round any whole number to a required degree of accuracy.

NP3 - Use negative numbers in context and calculate intervals across zero.

NP2 - Read, write, compare and order numbers to 10,000,000.

NP1 - Know what each digit represents in numbers to 10,000,000.

NUMBER AND PLACE VALUE

C8 - Use knowledge of the order of operations to carry out calculations involving the four operations (BODMAS).

C7 - Multiply and divide decimal numbers up to 2 decimal places.

C6 - Solve multi-step word problems using appropriate operations and methods, and check answers using estimation.

C5 - Use short division to divide numbers up to 4-digit by 2-digit.

C4 - Use long division to divide numbers up to 4-digit by 2-digit.

C3 - Multiply whole numbers up to 4-digit by 2-digit.

C2 - Identify common factors, multiples and prime numbers.

C1 - Perform mental calculations.

CALCULATION

FD9 - Solve problems involving fractions, decimals and percentages.

FD8 - Identify the value of each digit in numbers given to 3 decimal places.

FD7 - Multiply pairs of proper fractions and simplify the answer.

FD6 - Divide proper fractions by whole numbers.

FD5 - Add and subtract fractions with different denominations and mixed numbers.

FD4 - Use common multiples to express fractions in the same denomination and common factors to simplify.

FD3 - Recall and use equivalent fractions in the same denomination and common factors to simplify.

FD2 - Associate a fraction with division and calculate decimal equivalents for simple fractions.

FD1 - Compare and order fractions.

FRACTIONS & DECIMALS

RP4 - Solve problems involving calculating percentages and the use of percentages for comparison.

RP3 - Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.

RP2 - Solve problems involving the relative sizes of two quantities.

RP1 - Solve problems involving similar shapes where the scale factor is known or needs to be found.

RATIO AND PROPORTION

S3 - Calculate and interpret the mean as an average.

S2 - Interpret and construct pie charts and use them to solve problems.

S1 - Interpret and construct line graphs and use them to solve problems.

STATISTICS

A5 - Find pairs of numbers that satisfy an equation with two unknowns.

A4 - Use simple formulae.

A3 - Express missing number problems algebraically.

A2 - Enumerate possibilities of combinations of 2 variables.

A1 - Generate and describe linear number sequences.

ALGEBRA

G9 - Draw and translate shapes on the coordinate plane.

G8 - Reflect simple shapes in the axes of the coordinate plane.

G7 - Describe positions on the full coordinate grid.

G6 - Illustrate and name parts of circles, including radius, diameter and circumference.

G5 - Draw 2-D shapes using given dimensions and angles.

G4 - Compare and classify geometric shapes based on properties and size.

G3 - Find unknown angles in triangles, quadrilaterals and regular polygons.

G2 - Recognise, describe and build simple 3-D shapes, including nets.

G1 - Use angle rules to find missing angles.

GEOMETRY

M7 - Solve problems involving the calculation and conversion of units of measure.

M6 - Recognise when it is possible to use formulae for area and volume of shapes.

M5 - Estimate, calculate and compare volumes of cubes and cuboids using standard units.

M4 - Recognise that shapes with the same areas can have different perimeters.

M3 - Calculate the area of parallelograms and triangles.

M2 - Convert between miles and kilometres.

M1 - Use, read, write and convert between standard units.

MEASUREMENTS