



STEPS TO

SUCCESS

YEAR 6

MATHS MAP

Colour Key

Mastered

Achieved

Working on

NP5 - Solve number & practical problems.

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

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

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

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

NUMBER & PLACE VALUE

C8 - Use knowledge of the order of operations to carry out calculations involving the 4 operations (BODMAS).

C7 - Multiply & divide decimal numbers up to 2 d.p.

C6 - Solve multi-step word problems using appropriate operations & methods, & 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 & prime numbers.

C1 - Perform mental calculations.

CALCULATION

FD9 - Solve problems involving fractions, decimals & percentages.

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

FD7 - Multiply pairs of proper fractions, & simplify the answer.

FD6 - Divide proper fractions by whole numbers.

FD5 - Add & subtract fractions with different denominators & mixed numbers.

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

FD3 - Recall & use equivalent fractions, decimals & percentages.

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

FD1 - Compare & order fractions.

FRACTIONS & DECIMALS

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

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

RP2 - Solve problems involving the relative sizes of 2 quantities.

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

RATIO & PROPORTION

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

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

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

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

M3 - Calculate the area of parallelograms & triangles.

M2 - Convert between miles & kilometres.

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

MEASUREMENT

G9 - Draw & 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 & name parts of circles, including radius, diameter & circumference.

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

G4 - Compare & classify geometric shapes based on properties & sizes.

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

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

G1 - Use angle rules to find missing angles.

GEOMETRY

S3 - Calculate & interpret the mean as an average.

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

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

STATISTICS

A5 - Find pairs of numbers that satisfy an equation with 2 unknowns.

A4 - Use simple formulae.

A3 - Express missing number problems algebraically.

A2 - Enumerate possibilities of combinations of 2 variables.

A1 - Generate & describe linear number sequences.

ALGEBRA