

Year 6 Fundamentals of Mathematics

Number

Place Value

- * I can round any whole number to a required degree of accuracy.
- * I can use negative numbers in context & calculate intervals across 0 (+ and -).

+ - X ÷

- * I can use BIDMAS
- * I can do long multiplication of 4-digit x 2 digit numbers (up to 2dp)
- * I can divide 4-digit numbers by 2-digit numbers using long division (and interpret the remainders)

FDP

- * I can +, -, x and ÷ fractions with different denominators and mixed numbers (simplest form) & recognises equivalent fractions.
- * I can x and ÷ by 10,100 & 1000 up to 3dp
- * I can calculate decimal fraction equivalents for a simple fraction.

Algebra & Ratio/Proportion

- * I can use simple formulae; and generate and describe linear number sequences
- * I can compare quantities using ratios

Shape, Space and Measure

Measurement

- * I can use formulae for area & volume of shape and calculate volumes of cubes & cuboids (cm^3 & m^3).

Geometry- Shape

- * I can find unknown angles in any triangles, quadrilaterals and regular polygons, and illustrate and name parts of a circle.

Time/money

- * I can solve multiple step word problems using all four operations with both time and money, crossing hours and pounds.

Position & Direction

- * I can draw and translate simple shapes on the coordinate plane and reflect them in the axes.

Statistics

- * I can calculate and interpret the mean as an average.

Being a Mathematician

Reasoning

- * I can describe, convince & justify my decisions following lines of enquiry & generalising.

Problem solving

- * I can work systematically & spot patterns by visualising & making conjectures.

Fluency

- * I work efficiently and accurately

Communication

- * I can make my mathematical thinking clear to myself and others. **(Orally & using words, pictures or numbers)**

Reflection

- * I can use my own and suggested strategies to make corrections and improvements.