

Year 5 (learning not necessarily in order)



Number and Place Value

In year 5, children learn about numbers up to 1,000,000. They will be expected to find 10, 100, 1000, 10,000 and 100,000 more or less than any number to 1,000,000, and to compare and order numbers to 1,000,000. Children will also learn to round to the nearest 10, 100, 1000, 10,000 and 100,000, and will learn roman numerals to 1000. Additionally, children will begin to explore negative numbers and use them in relation to simple contexts such as temperature.

Adding and Subtracting

Add and subtract numbers with more than 4 digits, estimating answers and using the inverse to check. They will also solve problems with more than one step.

Multiplying and Dividing

Children learn to multiply up to 4 digits by 2 digits and to divide to up to 4 digits by 1 digit. They also learn to multiply and divide by 10, 100 and 1000. They learn about multiples, factors, prime numbers, square numbers and cube numbers. **Children must know all their multiplication and division facts up to 12x12.**

Statistics

Children learn to read, interpret, draw and solve problems from line graphs, tables and timetables.

Measure

Children learn about perimeter and area, including of irregular shapes. Additionally, they will learn to measure and draw angles with a protractor. They will also learn to calculate angles on a straight line, around a point and in shapes.

Children will learn to convert between metric units (e.g. g and kg) and between metric and imperial units (e.g. kilometres and miles). They will also learn to convert between units of time and to interpret time tables. Additionally, they will learn to measure volume.

Fractions and Decimals

Children will learn to find equivalent fractions, convert improper fractions to mixed numbers, compare and order fractions (including fractions greater than 1), and add and subtract fractions and mixed numbers.

Children will learn the value of decimals to thousandths, how to round them and how to order them. They will learn about percentages and how to convert between fractions, decimals and percentages. They will learn to add and subtract decimals, and how to multiply and divide decimals by 10, 100 and 1000.

Shape

Children will learn to reflect and translate shapes using coordinates.

