



Maths 9

Read, write, order and compare positive and negative numbers of any size

Carry out calculations with numbers up to one million

Order, add, subtract and compare amounts or quantities using proper and improper fractions and mixed numbers

Express one number as a fraction of another

Order and compare decimals

Add and subtract decimals up to three decimal places

Work out percentages of amounts and express one amount as a percentage of another

Express probabilities as fractions, decimals and percentages

Calculate amounts of money, compound interest, percentage increases, decreases and discounts

Convert between metric and imperial units of length, weight and capacity using a) a conversion factor and b) a conversion graph

Calculate perimeters and areas of 2-D shapes including triangles and circles and composite shapes including non-rectangular shapes using formulae provided

Use formulae to find volumes and surface areas of 3-D shapes with given formulae

Understand and use common 2-D representations of 3-D objects

Calculate values of angles and/or coordinates with 2-D and 3-D shapes

Use coordinates in 2-D, positive and negative, to specify the positions of points

Calculate the median and mode of a set of quantities

Read, understand, and use mathematical information and mathematical terms

Retrieve information from scatter graphs to answer questions

Identify suitable operations and calculations to generate results

Recognise and obtain a solution or solutions to a complex problem

Use knowledge and understanding to a required level of accuracy