



Maths 10

Carry out calculations with numbers up to one million including strategies to check answers including estimation and approximation

Evaluate expressions and make substitutions in given formulae in words and symbols

Recall and use the equivalences between fractions, decimals and percentages including in different contexts

Multiply and divide decimals up to three decimal places

Calculate percentage change (any size increase and decrease), and original value after percentage change

Understand and calculate using ratios, direct proportion and inverse proportion

Follow the order of precedence of operators, including indices

Work out the probability of combined events including the use of diagrams and tables, including two-way tables

Calculate amounts of money including tax and simple budgeting

Calculate using compound measures including speed, density and rates of pay

Calculate perimeters and areas of 2-D shapes including recall and use of the formulae for triangles and circles

Recall and use formulae to find the volume and surface of a cylinder

Calculate actual dimensions from scale drawings

Draw 3-D shapes to include plans and elevations

Create a scale diagram given actual measurements

Estimate the mean of a grouped frequency distribution from discrete data

Use the mean, median, mode and range to compare two sets of data

Draw and interpret scatter diagrams and recognise positive and negative correlation

Analyse and interpret answers in the context of the original problem

Check the sense and reasonableness of answers

Present and explain results clearly and accurately demonstrating reasoning to support the process and show consistency with the evidence presented