

GCSE Focus topics for A-Level Maths

Number

Surds

Negative and Fractional Indices

Fractions and recurring decimals

Percentage

Ratio

Geometry

Pythagoras and Trigonometry

Circle Theorems

Area and Volume

Vectors

Algebra

Expanding and Factorising

Index Laws

Completing the square

Linear graphs (including gradients, parallel and perpendicular lines)

Quadratic graphs

Other graphs

Algebraic Fractions

Equation solving

Simultaneous equations

Transformations of Graphs

Sequences

Rearranging Formulae

Statistics

Probability

Mean, Median and Interquartile range

Averages from frequency tables and grouped tables

Histograms

Product rule for counting