

Number and calculation

Irrational numbers.
Standard form.
Indices.

Equations and inequalities

Constructing expressions.
Solving equations.
Expanding brackets.
Inequalities.

Angles

Calculating angles.
Interior angles of polygons.
Exterior angles of polygons.
Constructing the perpendicular bisector of a line.
Pythagoras theorem.

Sequences

Sequence, Using the nth term.

Graphs

Plotting graphs.
Scatter graphs.
Stem-and Leaf diagrams.
Back – to – back Stem-and Leaf diagrams & Mode, Median, Mean and range.

Ratio and percentage

Simplifying Ratios.
Using Ratios.
Percentage of a number.
Percentage profit, increase or decrease.

Probability

Finding the probability of an event.

Position and transformation

Bearings.

Mid-Points of a line segment.

Rotation, Enlargement.

Volume and surface area

Calculating the volume of prisms.

Calculating the surface area of triangular prisms, pyramids and cylinders.

