Year 8 Mathematics



Angles

Parallel lines
Properties
Calculations



Area and Volume

Surface are
Volume of a prism
Cuboids
Cylinders, spheres, cones

2

4

1

Expressions

Writing
Expanding
Factorising



3

Formulae

Writing
Using
Solving problems





... continued.

Number Theory & Sequences

Highest common factors
Lowest common multiple
Nth term

6

Statistics

Collect
Presenting data
Averages

8

Equations

Forming and solving linear and quadratic equations

5

Co-ordinates and Graphs

Complex functions
Linear graphs
Quadratic graphs

7

In Year 8 we start with collecting terms, introducing simple and compound cases using integers and algebra. Next we progress to formulae and then move on to perimeter & area including 3-D shapes, volume & surface area which links to geometry and measurement. We introduce quadratics & graphs, developing algebraic thinking and graph interpretation. Finally we look at number theory and statistics. Throughout we emphasise problem-solving, reasoning and connections between topics.

