

Overview of Y7 Course

Unit 1 Analysing and Displaying Data

- 1.1 Mode, median and range
- 1.2 Displaying data
- 1.3 Grouping data
- 1.4 Averages and comparing data
- 1.5 Line Graphs and more bar charts

Unit 2 Number Skills

- 2.1 Mental Maths
- 2.2 Addition and Subtraction
- 2.3 Multiplication
- 2.4 Division
- 2.5 Money and Time
- 2.6 Negative Numbers
- 2.7 Factors, Multiples and Primes
- 2.8 Square Numbers

Unit 3 Expressions, functions and formulae

- 3.1 Functions
- 3.2 Simplifying expressions 1
- 3.3 Simplifying expression 2
- 3.4 Writing expression
- 3.5 Substituting into formulae
- 3.6 Writing formulae

Unit 4 Decimals and Measures

- 4.1 Decimals and Rounding
- 4.2 Length, mass and capacity
- 4.3 Scales and Measures
- 4.4 Working with decimals mentally
- 4.5 Working with decimals
- 4.6 Perimeter
- 4.7 Area
- 4.8 More units of measure

Unit 5 Fractions and Percentages

- 5.1 Comparing fractions
- 5.2 Simplifying fractions
- 5.3 working with fractions
- 5.4 fractions and decimals
- 5.5 understanding percentages
- 5.6 Percentages of amounts

Unit 6 Probability

- 6.1 The language of probability
- 6.2 Calculating probability
- 6.3 More probability calculations
- 6.4 Experimental probability
- 6.5 Expected outcomes

Unit 7 Ratio and Proportion

- 7.1 Direct Proportion
- 7.2 Writing Ratios
- 7.3 Using ratios
- 7.4 Ratios, proportions and fractions
- 7.5 Proportions and Percentages

Unit 8 Lines and Angles

- 8.1 Measuring and drawing angles
- 8.2 Lines, angles and triangles
- 8.3 Drawing triangles accurately
- 8.4 Calculating Angles
- 8.5 Angles in a triangle
- 8.6 Quadrilaterals

Unit 9 Sequences and Graphs

- 9.1 Sequences
- 9.2 Pattern Sequences
- 9.3 Coordinates and midpoints
- 9.4 Extending sequences
- 9.5 Straight line graphs
- 9.6 Position to term rules

Unit 10 Transformations

- 10.1 Congruence and enlargements
- 10.2 Symmetry
- 10.3 Reflection
- 10.4 Rotation
- 10.5 Translations and combined transformations