

GCSE Grade 3

Identifying Types of Number
Working with Powers, Squares, Cubes and Roots
Calculating with Negative Numbers
Identifying Coordinates and Midpoints
Working with Sequences
Simplifying and Collecting Like Terms
Solving Linear Equations
Identifying Properties of 2D and 3D shapes
Performing Transformations of Shapes
Understanding Fractions
Converting between Measures
Calculating Averages and Range
Drawing and Interpreting Charts and Tables
Working with Probabilities
Calculating with Fractions
Rounding Values
Finding the HCF and LCM using listing methods
Calculating Percentages
Finding Area and Circumference of Circles
Working with Substitution

GCSE Grade 4

Calculating with Fractions in Context
Expanding and Factorising Single Brackets
Working with Fractions, Decimals and Percentages
Working with Ratio
Expanding Double Brackets
Using Pythagoras' Theorem
Drawing and Interpreting Scatter Graphs
Working with Probabilities in Tables
Using Index Laws
Solving Linear Equations
Working with Arithmetic Sequences
Working with Prime Factorisation
Solving Area and Perimeter Problems
Calculating the Volume of Prisms and Cylinders
Calculating the Surface Area of Prisms and Cylinders
Calculating Averages from Tables
Drawing a Linear Graph from a Table of Values
Finding Angles in Parallel Lines
Calculating with Compound Measures
Working with Inequalities

GCSE Grade 5

Estimating Calculations
Working with Ratio
Expanding Double Brackets
Factorising Quadratics (coefficient equal to 1)
Working with $y = mx + c$
Applying Pythagoras' Theorem
Trigonometry: Using SOHCAHTOA
Working with Probabilities in Tables
Forming and Solving Linear Equations
Working with Arithmetic Sequences
Working with Prime Factorisation
Solving Area and Perimeter Problems
Calculating the Volume of Prisms and Cylinders
Calculating the Surface Area of Prisms and Cylinders
Calculating Averages from Tables
Calculating with Compound Measures
Solving Linear Simultaneous Equations
Calculating Compound Interest and Depreciation
Finding angles in Polygons
Working with Standard Form

GCSE Grade 6

Working with Ratio
Expanding Double Brackets
Working with $y = mx + c$
Applying Pythagoras' Theorem
Trigonometry: Using SOHCAHTOA
Forming and Solving Linear Equations
Calculating Averages from Tables
Calculating with Compound Measures
Solving Linear Simultaneous Equations
Finding Arc Lengths and Area of Sectors
Calculating Compound Interest and Depreciation
Calculating with Reverse Percentages
Finding Probabilities Using Tree Diagrams
Finding Angles in Polygons
Finding Probabilities Using Venn Diagrams
Drawing a Non-Linear Graph from a Table of Values
Calculating Average Speed and Density
Combining and Subdividing Ratios
Factorising Quadratics (coefficient not equal to 1)
Identifying Parallel & Perpendicular Lines

GCSE Grade 7

Finding the n th term of a Quadratic Sequence
Converting Recurring Decimals to Fractions
Using the Product Rule for Counting
Expanding Triple Brackets
Working with Similar Shapes
Using Cumulative Frequency and Box Plots
Applying the Capture-Recapture Method
Using Circle Theorems
Using Direct and Inverse Proportion
Simplifying Algebraic Fractions
Completing the Square
Using Negative and Fractional Indices
Simplifying Surds
Working with Spheres and Cones
Drawing and Reading from Histograms
Working with Vector Geometry
Using Function Notation
Working with Upper and Lower Bounds
Applying Transformations of Functions

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