

GCSE Maths Topic List - Foundation

Topic	Tick	Comment
Number		
Multiply & Divide Decimals		
Estimations		
Rounding		
Powers and Roots		
Use of a Calculator		
Combinations		
FDP Conversions		
Order of Operations		
Negative and Fractional Indices		
Highest Common Factor		
Lowest Common Multiple		
Product of Prime Factors		
Standard Form Conversions		
Standard Form Calculations		
Fraction Calculations		
Percentages of an Amount		
Percentage Changes		
Error Intervals		

Algebra		
Collecting Like Terms		
Substitution		
Using Formulae		
Laws of Indices		
Expanding and simplifying		
Factorising Expressions		
Expanding Double Brackets		
Factorising Quadratics		
Rearranging Formulae		
Solving Equations		
Solving Quadratic Equations		
Forming and Solving Equations		
Linear Simultaneous Equations		
Solving Linear Inequalities		
Drawing Inequalities		
Linear Sequences		

GCSE Maths Topic List - Foundation

Picture Sequences		
Special Sequences		
Coordinates		
Drawing Linear Graphs		
Interpreting the Gradient		
Writing the Equation of a Line		
Drawing Quadratic Graphs		
Roots and Turning Points		
Drawing Cubic Graphs		
Drawing Reciprocal Graphs		

Statistics		
Averages		
Reverse Mean		
Averages from a Table		
Grouped Frequency Tables		
Bar Charts		
Pictograms		
Dual/Composite Bar Charts		
Scatter Graphs		
Frequency Polygons		
Pie Charts		
Averages from a Stem and Leaf		
Sampling and Bias		

Probability		
Writing Probabilities		
Probability from a Table		
Venn Diagrams		
Set Theory		
Frequency Trees		
Two Way Tables		
Probability Trees (Fractions)		
Probability Trees (Decimals)		

Trigonometry		
Pythagoras Theorem		
SOHCAHTOA Sides Lengths		
SOHCAHTOA Angles		

GCSE Maths Topic List - Foundation

Exact Trigonometry		
--------------------	--	--

Ratio and Proportion		
Simplifying a Ratio		
Sharing in a Ratio		
Three Part Ratios		
Writing Ratios as Fractions		
Recipes		
Exchange Rates		
Best Value Purchases		
Conversion Graphs		
Unit Conversions		
Reverse Percentages		
Simple/Compound Interest		
Depreciation		
Direct Proportion in context		
Inverse Proportion in context		
Distance-Time Graphs		
Speed, Distance & Time		
Mass, Density & Volume		
Pressure, Force & Area		

Geometry		
Triangles & Quadrilaterals		
Area of 2D Shapes		
Angles in Parallel Lines		
Angles in Polygons		
Plans & Elevations		
Constructions		
Perpendicular/Angle Bisectors		
Solving Loci Problems		
Area & Circumference of Circles		
Circle Sectors		
Surface Area of 3D Shapes		
Volume of 3D Shapes		
Cylinders, Cones & Spheres		
Transformations		
Bearings		
Similar Shapes		

GCSE Maths Topic List - Foundation

Congruent Triangles		
Column Vectors		