



# Paper 2 Key Topics

## AQA Foundation

In this document you will find lists of topics to help you focus your revision for Paper 2. To do this I have carefully analysed the topics that appeared in your Paper 1 but also the trends from all previous exam papers.

Each topic has been rated from 1 star to 5 stars. The more stars I have given it, the more likely I believe it could appear in Paper 2.

**This does not guarantee the topics with more stars will appear or those with low stars will not** but it may help you to prioritise topics for revision.

I will do this again after Paper 2 to help you focus revision for Paper 3. You should note that since there are still 2 papers left, many of the topics could appear on Paper 3 instead of, or as well, Paper 2.

Be sure to subscribe to my **YouTube** channel and check the website to not miss out on resources.

- 1<sup>st</sup> Class Maths



<< Most likely topics to appear



<< Least likely topics to appear



Substitution	Time Calculations	Direct Proportion e.g. recipes
Gradients, Intercepts, $y = mx + c$	Fraction of Amount	Metric Units
Solving Linear Equations	Percentage of an amount	Area of rectangle, triangle, parallelogram, trapezium



Cube numbers/prime numbers	Simplify Algebraic Expressions	Converting fractions, decimals and percentages
HCF/LCM	Form Algebraic Equation	Ratio
Money problem (e.g. bank statements)	Sequences (likely nth term)	Probability



Draw Line Graph	Use of inequality signs	Angles in a Triangle/Properties of triangles
Order Numbers	Coordinates	Bearings and Compass Directions
Error Intervals	Form and Solve Equations	Angles in Parallel Lines
Compound Interest	Write as a Fraction or Percentages	Surface Area 3D shapes
Place Value	Direct/Inverse Proportion tables	Circles and Sectors (more likely circumference or arc length)
Approximations	Relative Frequency	Pythagoras
Listing Outcomes	Write as ratio (including form 1:n)	Perimeter
Using a calculator	Relate Ratio for Fraction/Percentage	SOHCAHTOA
Quadratic Graphs	Use of scales on a map	Similar Lengths
Distance Time Graphs	Name Shapes	Symmetry
Expand/Simplify	Parts of a Circle	Transformations (not enlargement)
Change Subject/Rearrangement	Angle Facts	Constructions and Loci
Pie Charts	Averages from a table	Scatter Diagrams
Pictograms	Averages (and range) - from list	Factorising



Equivalent Calculations	Inequality Diagrams	Linear Inequalities
Simplify Fractions	Scale Drawings	Convert Units of area/volume
Fraction Operations	Solve Quadratic Equations	Measure Lines/Angles
Order of Operations (BIDMAS...)	Solving with Identities	Vertical and Horizontal Lines (and their equations)
Order Fractions	% Profit or %change	Midpoint of line
Negative Numbers	Conversion Graphs	Identify Parallel/Perpendicular Lines
Product of Prime Factors	Reverse %	Angles in a Quadrilateral/Properties of quadrilaterals
Index Laws	Simple Interest	Volume of 3D Shapes
Rounding	Tree Diagrams	Column Vectors
Standard Form	Simplify Ratio	Plans and Elevations
Reciprocals	Two way tables	Angles in Polygons
Linear Simultaneous Equations	Density, Mass, Volume	Set notation
Sim Equations Graphically	Pressure, Force, Area	Sampling
Types of Graphs (e.g. Cubic, Reciprocal)	Population Density	Tally Charts
Expression, Equation, Formula, Identity, Term, Inequality	Types of data (discrete, continuous)	Vertical Line Graphs



Multiply/Divide Decimals	Increase/Decrease by %	Congruent Shapes
Square roots, Cube roots	Inverse Proportion in context	Exact Trig Values
Evaluate indices e.g. $2^4$	Faces, Edges, Vertices	Sample Space Diagrams
Number Machines	Speed, Distance, Time	Frequency Trees
Averages from a list	Bar Charts	

