



Paper 2 Key Topics

AQA Higher

In this document you will find lists of topics and how important I think they are for you preparing for Paper 2. I have looked carefully at Paper 1 and all of the past papers to analyse how often topics appear.

Each topic has been rated from 1 star to 5 stars. Topics that are more likely based on past paper trends and what was already in Paper 1 are given more stars. 5 stars are the most likely to appear and 1 star topics are the least likely to appear. **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.

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

- 1st Class Maths



<< Most likely topics to appear



<< Least likely topics to appear



Substitution	Averages (and range)	Volume of 3D Shapes	% of amount
Form and Solve Equation	Gradients, Intercepts, $y = mx + c$	Speed, Distance, Time	Increase/Decrease by %



Sequences (most likely quadratic/linear)	Share into ratio	Types of Graphs (Cubic, Reciprocal, exponential etc)	Venn Diagrams
Compound Interest (or repeated % change)	Application of Ratio	Functions	Bounds



Types of number (Squares, primes, cubes, odd, even, triangular)	Surface Area 3D shape	Constructions and Loci	Algebraic Proof
Error Intervals	Rectilinear Area	Probability of Successive events	Speed Time Graphs
Standard Form	Circles and Sectors (More likely Arc Length/Circumference)	Use of probability to estimate	Expand/Simplify
Factorising	Pythagoras	Relative Frequency	Change the Subject
Solve Quadratic Equation	SOHCAHTOA	Algebraic Fractions	Iteration (equations)
Write as a % Write as Fraction	Transformations (most likely enlargement)	Product Rule for Counting	Circle Theorems
Formal Direct/Inverse Proportion	$1/2ab\sin C$	Bearings	Sine Rule
Density, Mass, Volume	3D Trig/Pythagoras	Histograms	Cosine Rule



Multiply/Divide Decimals	Simplify Algebraic	Pressure, Force, Area
Fraction Operations	Distance Time Graph	Population Density
Product of Primes	Inequality (List values)	Imperial Unit Conversions
Evaluate Indices/roots	Inequality Diagram – (Number lines)	Metric Unit Conversions
Approximations	Draw Straight Line Graph	Use of scales (could be on map)
Use of calculator	Coordinates problem solve	Convert Units of area/volume
Reciprocals	FDP conversions	Congruence
Money problems	% Increase/Decrease (find the %)	Faces, edges, vertices
Form Algebraic Equation/Inequality/Expression	Inverse Proportion (context)	Angles in Parallel Lines
Linear Simultaneous Equations	Reverse %	Parts of a Circle
Simultaneous Equations Graphically	Multiple Ratio Problem Solve - often algebraic	Properties of Triangles/Quadrilaterals
Solve Linear Equations	Write as ratio [includes n:1]	Perimeter
Vectors (Column)	Relate Ratio for Fraction or Percentage	Expand Triple Brackets
Plans and Elevations	Types of data (discrete, continuous)	Estimate gradient of a curve at a point using tangent
Tree Diagrams	Pie Charts (Interpret)	Equation of tangent to circle
Two way tables	Order Numbers	Inequality Regions
Frequency Trees	Non-Linear Simultaneous Equation	Geometric Proof
Quartiles (Raw Data or Comparisons)	Fraction of Amount	Similar Lengths
Complete the Square	Interpret Ratio	Similar Area/Volume
Transformations of Graphs	General Iterative Processes	Cumulative Frequency
Quadratic Formula	Volume Problem solving	% Profit



HCF/LCM (could be algebraic)	Quadratic Graphs	Quadratic Inequality	Angles in Polygons
Index Laws	Linear Inequality	Identity Solve to find values	Scatter Diagrams
Recurring Decimals (to Fractions) OR interpret	Midpoint of line or between coordinates	Vectors (Formal)	Box Plots
Surds	Parallel And Perpendicular Lines	Exact Trig	