



Paper 3 Key Topics

AQA Higher

In this document you will find lists of topics to help you focus your revision for Paper 3. To do this I have carefully analysed the topics that appeared in your Paper 1/2 but also the topics frequencies 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 3 based on previous frequencies.

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.

Be sure to subscribe to my **YouTube** channel and check the website to not miss out on resources. I will write more practice papers for each tier for Edexcel and AQA to help you revise. The dates for these are on the website.

- 1st Class Maths



<< Most likely topics to appear



<< Least likely topics to appear





Bounds	Factorising (including quadratics)	Volume of 3D Shape
Recurring Decimals to Fractions	Changing the Subject	Area of shapes
Product Rule for Counting	Gradients, Intercepts, $y = mx + c$	Pythagoras
Form Algebraic Equation/Inequality/Expression From Context	Iteration (equations)	Sine Rule
Speed Time Graphs	% of amount	Similar Area/Volume
Sequences	Write as ratio	Use of probability to estimate/work out exact amount
Cumulative Frequency	Box Plots	Increase/Decrease by %



Simplify Algebraic Expressions	Fraction of Amount	Congruence
Expand/Simplify Brackets	Solve Linear Equations	Averages (and range)
Form and Solve Equations	Ratio	Venn Diagrams



Relative Frequency	Evaluate Indices/roots	Distance Time Graphs
Angles in Parallel Lines	Constructions and Loci	Inequality Diagrams - Number line
Surface Area 3D shape	Properties of Triangles/Quadrilaterals	Parallel And Perpendicular Lines
Circles and Sectors	Types of number (Squares, primes, cubes, odd, even, triangular)	Solve Quadratic Equation (not formula)
Column Vectors	Approximations	Functions
Circle Theorems	Standard Form	FDP
Geometric Proof	Substitution	Write as a %/Write as Fraction
SOHCAHTOA	Non Linear Simultaneous Equation	Direct Proportion
$\frac{1}{2}ab\sin C$	Expand Triple Brackets	Reverse %
3D Trig/Pythagoras	Quadratic Graphs	Speed, Distance, Time
Formal Direct/Inverse Proportion	Algebraic Fractions	Bearings and Compass Directions
Similar Lengths	Interpret Pie Charts	Probability



Multiply/Divide Decimals	Linear Inequalities	Imperial Unit Conversions
Fraction Operations	Inequality (List values)	Metric Unit Conversions
Order Numbers	Draw Straight Line Graph	Use of scales (could be on map)
Number closest to another	Midpoint of line	Convert Units of area/volume
Index Laws	Draw additional line onto graph to solve equation	Faces, edges, vertices
Error Intervals	Complete the Square	Parts of a Circle
Use of calculator	Transformations of Graphs	Volume Problem solving
Reciprocals	Identity Solve to find values	Perimeter
Algebraic Proof	% Profit	Plans and Elevations
Linear Simultaneous Equations	Inverse Proportion (in context)	Transformations
Simultaneous Equations Graphically	Compound Interest (Repeated % change)	Scatter Diagrams
Types of Graphs (Cubic, Reciprocal, exponential etc)	Relate Ratio for Fraction or Percentage	Inequality Regions
Estimate gradient at a point using tangent	Interpret Ratio	Two way tables
General Iterative Processes	Pressure, Force, Area	Other Chart or Data (e.g. Time Series)
	Population Density	Types of data (discrete, continuous)



Product of Prime Factors	% Increase/Decrease (find the %)	Successive events (Probability)
HCF/LCM	Density, Mass, Volume	Tree Diagrams
Surds	Angle Facts	Frequency Trees
Money problem (Deposits, change given, total cost)	Vectors	Quartiles
Equation of tangent to circle	Cosine Rule	Histograms
Quadratic Inequality	Exact Trig Values	Sampling
Coordinates problem solving	Angles in Polygons	Quadratic Formula



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