



Paper 2 Key Topics

Edexcel Higher

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 as, Paper 2.

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





Standard Form	Transformations (Could involve invariant points)
Circle (area/circumference) Sectors (Area/Arc Length)	Probability (Tree Diagram or Successive Events)



Index Laws	Algebraic Fractions (probably simplify rather than solve)	Density, Mass, Volume
Error Intervals	Types of Graphs (exponential, equation of circle but NOT trig)	Area of shapes (rectangle, triangle, parallelogram, NOT likely to be trapezium)
Bounds	Share into ratio Application of Ratio	$\frac{1}{2}ab\sin C$
Product Rule for Counting	Compound Interest (Repeated % change)	Functions



Use of calculator + round answer	Non Linear Simultaneous Equation	Reverse %
HCF/LCM	Iteration (equations)	Direct Proportion
Expand/Simplify	Quadratic Graphs	Formal Direct/Inverse Proportion
Factorise	Speed Time Graphs	Speed, Distance, Time
Change Subject	Gradient, intercepts, Find or use $y = mx + c$	Volume of 3D Shapes (prob NOT cuboid)
Form and Solve Equation	Parallel/Perpendicular Lines	Similar Lengths
Form Algebraic Equation/Inequality From Context	Cumulative Frequency	Angles in Polygons
Linear Simultaneous Equations	Transformations of Graphs	SOHCAHTOA
Box Plots	Sequences	Sine Rule
Frequency Polygons	Multiple Ratio Problem Solve	Cosine Rule
Product of Prime Factors	% of amount or Increase/Decrease by %	3D Trig/Pythagoras
Circle Theorems (NOT prove)	Pythagoras	Averages and the range (from tables, comparing data and reverse mean)
Quartiles	Vectors	Venn Diagrams





Order Numbers	Quadratic Formula	Currency/Unit Conversions
Fraction Operations	Simultaneous Equations Graphically	Convert Units of area/volume
Reciprocals	Algebraic Proof	Use of scales on a map
Money problem	Draw Straight Line Graph	% change
Estimation	Distance Time Graph (usually calculate speed)	Write as a %/Write as Frac
Surds	Draw Line onto to graph to solve equation	Pressure, Force, Area
Simplify Algebraic Expression	Coordinates problem solve (often includes ratio)	Area problem solving
Substitution	Midpoint of line	Perimeter
Inequality (List values)	Estimate gradient at a point using tangent	Surface Area 3D shape
Solve Linear Inequality	Equation of tangent to circle	Volume Problem solve
Inequality Diagram	Write as ratio	Similar Area/Volume
Solve Linear Equation	Relate Ratio to Fraction	Angle Facts e.g. angles in triangle
Bearings	Plans and Elevations	Histograms (if it comes up draw/criticise)
Geometric Proof	Constructions	Pie Chart (Interpret)
Identify Congruent Triangles	Column Vectors	Capture, re-capture
Angles in Parallel Lines	Two way tables	Criticise Chart



Multiply/Divide Decimals	Quadratic Inequality	Inverse Proportion (context)
Recurring Decimals to Fractions	Solve Quadratic	General Iterative Processes
Expand Triple Brackets	Complete the Square (incl turning point)	Exact Trig
Inequality Regions	Fraction of Amount	Scatter Diagrams



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