



Paper 2 Key Topics

AQA 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



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| | |
|-------------------------------------|----------------------------------|
| Sequences | Formal Direct/Inverse Proportion |
| Gradients, Intercepts, $y = mx + c$ | Speed, Distance, Time |
| Functions | Volume of 3D |
| % of amount/Increase/Decrease by % | SOHCAHTOA |



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|--|---------------------------------------|--|
| Types of number (Squares, primes, cubes, odd, even, triangular) | Form and Solve Equation | Transformations (more likely reflection/enlargement) |
| Bounds | Pythagoras | Use of probability to estimate/work out exact amount |
| Substitution | Compound Interest (Repeated % change) | Averages (and range) from tables |
| Types of Graphs (not exponential so maybe trig, circle, reciprocal, cubic) | Share into ratio/Application of Ratio | Histograms |
| Venn Diagrams (not sets, just frequencies) | | |



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|----------------------------------|----------------------------------|--------------------------------|
| HCF/LCM (could be algebraic) | Expand/Simplify | Area of shapes |
| Surface Area of 3D shapes | Change the Subject | Circles and Sectors |
| Error Intervals | Parallel And Perpendicular Lines | Vectors |
| Standard Form | Solve Quadratic Equation | Circle Theorems |
| Product Rule for Counting | Iteration (equations) | Sine Rule/Cosine Rule |
| Simplify Algebraic Expressions | Fraction of Amount | Angles in Parallel Lines |
| Box Plots | Write as a %/Write as Fraction | $\frac{1}{2}ab\sin C$ |
| Quadratic Graphs | Direct Proportion e.g. best buys | 3D Trig/Pythagoras |
| Algebraic Fractions | Reverse % | Similar Area/Volume |
| Speed Time Graphs | Write as ratio [includes n:1] | Constructions and Loci |
| Factorise (including quadratics) | Bearings and Compass Directions | Probability/Relative Frequency |



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|------------------------------------|---|--|
| Multiply/Divide Decimals | Fractions, decimals, percentages | Faces, edges, vertices |
| Order Numbers | % Profit | Angle Facts e.g. angles in triangle |
| Estimation | % Increase/Decrease | Parts of a Circle |
| Product of Prime Factors | Inverse Proportion (context) | Properties of Triangles/Quadrilaterals |
| Evaluate Indices/roots | Pressure, Force, Area | Volume Problem solving |
| Recurring Decimals | Relate Ratio for Fraction or Percentage | Perimeter |
| Use of calculator | Population Density | Column Vectors |
| Reciprocals | General Iterative Processes | Geometric Proof |
| Money problem | Imperial Unit Conversions | Plans and Elevations |
| Identities | Metric Unit Conversions | Similar Lengths |
| Algebraic Proof | Use of scales (could be on map) | Angles in Polygons |
| Non Linear Simultaneous Equation | Convert Units of area/volume | Scatter Diagrams |
| Simultaneous Equations Graphically | Congruence | Quadratic Formula |
| Expand Triple Brackets | Draw Straight Line Graph | Two way tables |
| | Midpoint of line | Cumulative Frequency |
| Distance Time Graphs | Quadratic Inequality | Interpret Pie Chart |
| Equation of tangent to circle | Solve Linear Equation | Types of data (discrete, continuous) |
| Inequality Regions | Inequality Diagram (number lines) | Sampling |
| Inequality (List values) | Transformations of Graphs | |



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|-------------------------------|---------------------------|-----------------|
| Fraction Operations | Linear Inequality | Exact Trig |
| Index Laws | Coordinates problem solve | Tree Diagram |
| Surds | Density, Mass, Volume | Frequency Trees |
| Linear Simultaneous Equations | Complete the Square | Quartiles |



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