



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.

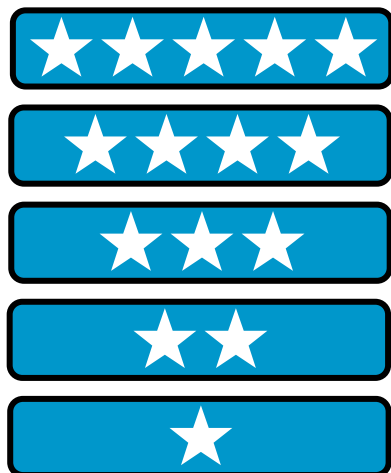
Each topic has been rated from 1 star to 5 stars. The more stars I have given it, the more likely I believe it could appear in Paper 2.

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





| | | |
|--|----------------------|---------------------------|
| Types of number (Squares, primes, cubes, odd, even, triangular) | Substitution | Direct/Inverse Proportion |
| Form and Solve Equation | Factorise | Speed, Distance, Time |
| % of amount/Increase/Decrease by % | Functions | Volume of 3D Shape |
| Gradients, Intercepts, $y = mx + c$ | Averages (and range) | SOHCAHTOA |



| | | |
|---|--|---|
| Bounds | Share into ratio Application of Ratio | Transformations (probably enlargement or invariant points) |
| Types of Graphs (Cubic, Reciprocal, exponential etc) | Write as ratio [includes n:1] | Histograms |
| Compound Interest (Repeated % change) | Pythagoras | Venn Diagrams (complete rather than probability) |



| | | |
|--|---------------------------------|----------------------------------|
| Use of probability to estimate/work out exact amount | Transformations of Graphs | 3D Trig/Pythagoras |
| Sequences | Iteration (equations) | Similar Area/Volume |
| HCF/LCM (could be algebraic) | Fraction of Amount | Angles in Polygons |
| Error Intervals | Write as a %/Write as Frac | Constructions and Loci |
| Product Rule for Counting | Reverse % | Probability of successive events |
| Form Algebraic Equation/Inequality/Expression From Context | Density, Mass, Volume | Order Numbers |
| Algebraic Proof | Use of scales (could be on map) | Use of calculator |
| Quadratic Graphs | Bearings and Compass Directions | Reciprocal |
| Algebraic Fractions | Surface Area 3D shape | Recurring Decimals |
| Expand/Simplify | Circles and Sectors | Standard Form |
| Product of Primes | Vectors | $1/2absinC$ |
| Cosine Rule | Sine Rule | |





| | | |
|--|---|---|
| Linear Simultaneous Equations | Inequality (List values) | % Increase/Decrease (find the %) |
| Non-Linear Simultaneous Equation | Inequality Diagram (Number line) | Inverse Proportion (in context) |
| Simultaneous Equations Graphically | Quadratic Inequalities | Relate Ratio for Fraction or Percentage |
| Estimate gradient at a point using tangent | Draw Straight Line Graph | Frequency Trees |
| Distance Time Graphs | Midpoint of line | Pressure, Force, Area |
| Equation of tangent to circle | Parallel And Perpendicular Lines | Population Density |
| Inequality Regions | Coordinates problem solving | General Iterative Processes |
| Change the Subject | Solve Linear Equation | Unit Conversions |
| Linear Inequalities | Solve Quadratic Equation (by factorising) | Two way tables |
| Angles in Parallel Lines | Complete the Square | Convert Units of area/volume |
| Parts of a Circle | Quadratic Formula | Congruence |
| Properties of Triangles/Quadrilaterals | Identity (Solve to find values) | Faces, edges, vertices |
| Area of shapes | % Profit | Angle Facts e.g. angles in triangle |
| Volume Problem solving | Column Vectors | Quartiles |
| Perimeter | Circle Theorems | Types of data (discrete, continuous) |
| Tree Diagrams | Plans and Elevations | Sampling (interpret + criticise) |
| Relative Frequency | Similar Lengths | Scatter Diagrams |



| | | |
|------------------------|--|----------------------|
| Exact Trig | Simplify Algebraic | Geometric Proof |
| Fraction Operations | Expand Triple Brackets | Cumulative Frequency |
| Index Laws | Speed Time Graphs | Box Plots |
| Evaluate Indices/roots | Fractions, decimals, percentages conversions | Pie Charts |
| Approximations | Multiple Ratio Problem | Surds |



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