



# Paper 2 Key Topics

## AQA Foundation

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.

- 1<sup>st</sup> Class Maths



<< Most likely topics to appear



<< Least likely topics to appear



Substitution	Area of Shapes (Rectangle, Triangle, Parallelogram, Trapezium)	Probability
Sequences	Types of Number (Square, Cube, Prime, Even, Odd)	Solving Linear Equation
Share into Ratio	Form Algebraic Equation/Inequality/Expression	Converting Fractions, Decimals, Percentages
Averages - From Diagram or Table	Direct Proportion (context) incl recipes and best buys, est from sample	Metric Units
Factors and Multiples	Percentage of amount	



Simplify Algebraic Expressions	Money problems	Fraction of Amount	Time Calculations
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Form and Solve Equations	Bearings and Compass Directions	Gradients, Intercepts, $y = mx + c$	Similar Lengths
Increase/Decrease by a %	Surface Area of 3D shapes	Direct/Inverse Proportion Graphs/Tables/Equations	Frequency Trees
Compound Interest	Pythagoras	Relate Ratio for Fraction/Percentage	Venn Diagrams
Circles and Sectors	SOHCAHTOA	Speed, Distance, Time	Pie Charts
Transformations (Not reflections)	Constructions and Loci	Imperial Unit Conversions	Averages (and range)
HCF/LCM	Relative Frequency	Pictograms	Order Numbers
Error Intervals	Approximations	Parts of a Circle	Listing Outcomes
Write as a % Write as Fraction	Use of a calculator	Angles in a Triangle Properties of triangles	Number Machines
Write as ratio (including form 1:n)	Distance Time Graph (including speed from)	Angles in Parallel Lines	Coordinates
Angle Facts	Change the Subject	Volume of 3D Shape	Scale Drawings



Factorising	Simultaneous Equations Graphically	Inverse Proportion
Solve Quadratic Equation	Quadratic Graphs	Sample Space Diagrams
Density, Mass, Volume	Types of Graphs (Cubic, Reciprocal)	Pressure, Force, Area
Vertical Line Graphs	Solve Linear Inequality	Population Density
Use of probability to estimate	Inequality (List values)	Convert Units of area/volume
Multiply/Divide Decimals	Inequality Diagrams	Faces, Edges, Vertices
Product of Prime Factors	Midpoint of line	Congruent Shapes/Similar Shapes
Reciprocals	Show lines are Parallel	Angles in a Quadrilaterals Properties of quadrilaterals
Simultaneous Equations	Solving with Identity	Perimeter
Time Series	Symmetry	Column Vectors
Types of data (discrete, continuous)	% Profit or %change	Plans and Elevations
Equivalent Calculations	Order of Operations	Angles in Polygons
Use of inequality signs	Order Fractions	Tree Diagrams
Equivalent fraction/Simplify Fraction	Negative Numbers	Two way tables
Expression, Equation, Formula, Identity, Term, Inequality	Place Value	Simplify Ratios
Conversion Graphs	Rounding	Interpret Ratios
Simple Interest	Bank Statements	Identify Parallel/Perpendicular Lines
Sampling	Volume Problem Solving	Area problem solving



Standard Form	Index Laws	Scatter Diagrams	Measure Lines/Angles
Reverse %	Expand/Simplify Brackets	Tally Charts	Name Shapes
Fraction Operations	Draw/Use Straight Line Graph	Square roots, Cube roots	Set notation
Indices Evaluate	Exact Trig	Vertical and Horizontal Lines (and their equations)	Bar Charts

