



# Paper 3 Key Topics

## AQA Foundation

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 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 3.

**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.

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



<< Most likely topics to appear



<< Least likely topics to appear





Factors and Multiples	Increase/Decrease by %	Pythagoras
Error Intervals	Speed, Distance, Time	Symmetry
Substitution	Parts of a Circle	Frequency Trees
Form Algebraic Equation from context	Volume of 3D Shape	Pie Charts
Change the Subject	Circles and Sectors	Pictogram
Draw/Use Straight Line Graph	Average - From Diagram or Table	



Average from list or compare data	Sequences	Share into ratio/Application of Ratio
Types of Number (Square, Cube, Prime) + even/odd	Factorising	Simplify Ratio
Indices	Gradients, Intercepts, $y = mx + c$	Write as ratio (including form 1:n)
Simplify Algebraic	Solve Linear	Use of scales on a map or a ratio
Constructions and Loci	Time Calculations	Area of Shapes



Order of Operations	Negative Numbers	Similar Lengths
% Profit or %change	Index Laws	Transformations
Fraction of Amount	Place Value	Probability
% of amount	Use of calculator	Tree Diagrams
Direct Proportion (in context)	Money problem	Bearings and Compass Directions
Direct/Inverse Proportion	Distance Time Graph	Venn Diagrams
Interpret Ratio	Linear Inequality	Angles in Parallel Lines
Scale Drawing	Form and Solve Equation	Surface Area 3D shape
Faces, Edges, Vertices	Angles in a Quadrilateral Properties of quadrilaterals	Angle Facts





Equivalent Calculations	Approximations	Expand/Simplify
Use of inequality signs	Standard Form	Inequality (List values)
Equivalent fractions	Listing Outcomes	Inequality Diagram
Fraction Operations	Reciprocals	Vertical and Horizontal Lines (and their equations)
Order Numbers	Bank Statements	Midpoint of line
Order Fractions	Number Machines	Coordinates
	Linear Simultaneous Equations	Solve Quadratic Equation
Square roots, Cube roots	Simultaneous Equations Graphically	FDP conversions
Product of Primes	Quadratic Graphs	Inverse Proportion (in context)
Multiple Ratio Problems	Types of Graphs (Cubic, Reciprocal)	Simple Interest
Relate Ratio for Fraction/Percentage	Expression, Equation, Formula, Identity, Term, Inequality	Mark on Probability Scale
Pressure, Force, Area	Volume Problem solving	Relative Frequency
Population Density	Perimeter	Sample Space Diagram
Convert Units of area/volume	Column Vectors	Set notation
Measure Line/Angle	Angles in Polygons	Frequency Polygon
Angles in a Triangle Properties of triangles	Vertical Line Graph	Bar Chart
HCF/LCM	Time Series	Tally Chart
Rounding	Types of data (discrete, continuous)	Sampling (interpret + criticise)



Exact Trig	Imperial Unit Conversions	SOHCAHTOA
Solving with Identity	Metric Units	Plans and Elevations
Write as a %/Write as Fraction	Properties of shapes/angles	Scatter Diagrams
Conversion Graphs	Identify Parallel/Perpendicular Lines	Two way tables
Reverse %	Congruent Shapes/Similar Shapes	Density, Mass, Volume
Compound Interest (Repeated % change)	Area problem solve	



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