



Paper 3 Key Topics

Edexcel Higher

In this document you will find lists of topics and how important I think they are for you preparing for Paper 3. I have looked carefully at Paper 1/2 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.

Be sure to subscribe to my **YouTube** channel and check the website to not miss out on resources.

- 1st Class Maths



<< Most likely topics to appear



<< Least likely topics to appear



Transformations of Graphs	SOHCAHTOA (could be part of a larger question)	Transformations (Could involve invariant points)
Circle Theorems	Pythagoras	Algebraic Proof
Standard Form	Cumulative Frequency	Density, Mass, Volume
Quadratic Graphs	Geometric Proof	Bounds
% of amount Increase/Decrease by %	Surface Area 3D shape	Product Rule for Counting/Number of outcomes
Speed, Distance, Time (Maybe with distance time graph)	Angles in Polygons	Rectilinear areas



Share into ratio/Application of Ratio	Fraction of Amount	Algebraic Fractions (Most likely solving)
Index Laws	Types of Graphs (Cubic, exponential)	Write as ratio
Sectors (Area/Arc Length)	Write as a %/Write as Frac	Speed Time Graph



Sequences	Area problem solve	Solve Quadratic Equation (might relate to algebraic fraction)
Averages (and range)	Similar Lengths	3D Trig/Pythagoras
Frequency Polygons	Substitution	Estimation
Scatter Diagrams	Linear Inequality	Surds
Inverse Proportion (context)	Pressure, Force, Area	Inequality Regions
Use of calculator + round answer	Angles in Parallel Lines	Complete the Square
Linear Simultaneous Equations	Distance Time Graph	Equation of tangent to circle



Currency/Unit Conversions	Gradient, intercepts, Find or use $y = mx + c$	Angle Facts e.g. angles in triangle
Compound Interest	Relate Ratio to Fraction	Quartiles
Expand/Simplify	Convert Units of area/volume	Functions
Change Subject (subject twice more likely if it comes up)	Use of scales on a map	Direct/Inverse Proportion
Volume of 3D Shapes (not cylinder)	% Profit or %change [find the %]	Identify Congruent Triangles
Reciprocals	Perimeter	Volume Problem solve
HCF/LCM	Plans and Elevations	Order Numbers
Inequality Diagrams	Vectors (Column)	Pie Charts
Draw Straight Line Graph	Non Linear Simultaneous Equation	Simplify Algebraic Expressions
Capture, re-capture	Draw Line onto to graph to solve equation	Inequality (List values)
Two way tables	Parallel/Perpendicular Lines	Quadratic Formula (May link to algebraic fractions)



Error Intervals	Product of Primes	Iteration (equations)	Quadratic Inequality
Probability (Tree Diagram or Successive Events)	Sim Equations Graphically	Sine Rule/Cosine Rule	Estimate gradient at a point using tangent
Venn Diagrams	Reverse %	Factorise	General Iterative Processes
Solve Linear Equation	Histograms	Bearings	Similar Area/Volume
Box Plots	Vectors	Recurring Decimals to Fractions	Constructions and Loci
Multiply/Divide Decimals	Expand Triple Brackets	Midpoint of line	Exact Trig