



# Paper 3 Key Topics

## Edexcel 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



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Order Numbers (integers and decimals)	Place Value	Angles in a Triangle Properties of triangles
Factors and Multiples	Use of calculator	SOHCAHTOA
Indices Evaluate e.g. $2^4$	Form and Solve Equations	Average From Diagram or Table
Index Laws	FDP conversions	Stem and Leaf
Bar Charts	Fraction of Amount	Pie Charts



Direct Proportion (not recipe/best buy though)	Solve Linear Equation (probably NOT unknowns on both sides)	Angles in a Quadrilateral Properties of quadrilaterals
Square roots, Cube roots	Share into ratio/Application of Ratio	Area (rectangle, triangle, parallelogram, trapezium)
Rounding (d.p. or s.f.)	Relate Ratio for Fraction/Percentage	Transformations (not enlargement or reflection)
Simplify (probably like terms)	Speed, Distance, Time	Probability
Form Algebraic Equation From Context	Scale Drawing	



Time Calculation	Change Subject	Density, Mass, Volume
Product of Primes	Linear Inequality	Currency/Harder Unit Conversions
Standard Form	Inequality Diagram	Metric Unit Conversions
Listing Outcomes	% Profit or %change [find the %]	Measure Line/Angle
Money problem	% of amount	Basic Facts
Substitution	Increase/Decrease by %	Angles in Parallel Lines
Form Expression	Write as a %/Write as Frac	Volume of 3D Shape
Linear Simultaneous Equations	Conversion Graphs	Circles and Sectors
Distance Time Graph	Reverse %	Area problem solve
Factorise (including quadratics)	Averages problem solve (e.g. reverse mean)	Pythagoras
Expand/Simplify	Simplify Ratio	Write as ratio (including form 1:n)
Perimeter	Constructions, bisectors, loci, triangles, circles	Two way table
Plans and Elevations	Tree Diagram	Frequency Polygon





Fraction Operations	Sim Equations Graphically	Coordinates problem solve (can include ratio)
Use of inequality signs	Quadratic Graphs	Compound Interest (Repeated % change)
Equivalent fraction Simplify Fraction	Types of Graphs	Pressure, Force, Area
Order Fractions	Expression, Equation, Formula, Identity, Term	Convert Units of area/volume
Negative Numbers	Inequality (List values)	Name Shape
HCF/LCM	Find Equation of a Line	Identify Parallel/Perpendicular Lines
Error Intervals	Find Gradient/Intercept - Given equation	Parts of a Circle
Reciprocals	Use gradient to solve problem	Congruent Shapes
Number Machines	Set notation (list numbers in set/union/intersection given sets)	Volume Problem solve (usually cuboids)
Similar Lengths	Mark on Probability Scale	Line Charts
Symmetry (rotational and lines of)	Vertical Line Graph	Tally Chart



Multiply/Divide Decimals	Coordinates (Find, Draw on)	Exact Trig
Order of Operations	Solve Quadratic Equation	Angles in Polygons
Types of Number (Square, Cube, Prime etc)	Inverse Proportion (context)	Scatter Diagrams
Estimation	Use of scales on a map or a ratio (e.g. models)	Averages (and range) from a list
Sequences	Faces, Edges, Vertices	Frequency Trees
Vertical and Horizontal Lines (and their equations)	Bearings	Venn Diagrams
Draw Straight Line Graph	Surface Area 3D shape	Pictograms
Midpoint of line	Column Vectors	



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