



# Paper 2 Key Topics

## Edexcel 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



Standard Form	Write as ratio (including form 1:n)
Sequences	Order Numbers (integers and decimals)
Share into ratio	Factors and Multiples
Area of rectangle, triangle, parallelogram, trapezium	Rounding
Solve Linear Equations	Time Calculations
Write as a Percentage/Write as Fraction	Converting Fractions, Decimals and Percentages



Transformations (not enlargements)	Speed, Distance, Time	Simplifying algebraic expressions (most likely collecting like terms)
Probability	Fraction of Amount	Percentage of an AMount
Using a calculator	Direct Proportion e.g. best buys	Metric Unit Conversions



Circles and Sectors	Reverse %	Perimeter
Pythagoras	Volume of 3D Shapes	Line Charts
SOHCAHTOA	Angles in Polygons	Types of Number (Square, Cube, Prime)
Error Intervals	Scatter Diagrams	Place Value
Types of Graphs	Averages - From Diagram or Table (likely median or mean and NOT mode)	Number Machines
Compound Interest	Venn Diagrams	Conversion Graphs
Quadratic Graphs	Substitution	Name a Shape
Factorise Single Bracket	Currency/Harder Unit Conversions	Angle Facts
Expand/Simplify Brackets	Increase/Decrease by %	Averages from a List
Change the Subject	Use of scales on a map or a ratio	Pie Charts



Index Laws	Pressure, Force, Area	Use of inequality signs
Tree Diagrams	Find Gradient/Intercept - Given equation	Equivalent fraction/Simplify Fraction
Simultaneous Equations	Show point is on a line	Order of Operations (BIDMAS)
Distance Time Graphs	Show lines are Parallel	Order Fractions
Inverse Proportion	Coordinates	Negative Numbers
Surface Area 3D shapes	Solve Quadratic Equation	Square roots, Cube roots
Similar Lengths	Simplify Ratio	Listing Outcomes
Forming Expressions	Scale Drawings	Angles in a Quadrilateral/Properties of quadrilaterals
Expression, Equation, Formula, Identity, Term	Identify Parallel/Perpendicular Lines	Volume Problem solve
List values for an Inequality	Parts of a Circle	Rotational Symmetry
Vertical and Horizontal Lines (and their equations)	Faces, Edges, Vertices	Lines of Symmetry
Midpoint of line	Convert Units of area/volume	Mark on Probability Scale
Find Equation of a Line	Congruent Shapes	Stem and Leaf Diagrams
Frequency Polygons	Angles in a Triangle/Properties of triangles	Frequency Trees
Fraction Operations	Bearings	Two way tables
Reciprocals	Angles in Parallel Lines	Set notation
Simultaneous Equations Graphically	Vectors (Column)	Bar Charts
Solving Linear Inequalities	Plans and Elevations	Pictograms
Inequality Diagram	Multiplication (formal or in context) - could be part of multi step	Vertical Line Graphs
% Profit or %change	Relate Ratio for Fraction/Percentage	



HCF/LCM	Estimation	Product of Prime Factors
Density, Mass, Volume	Draw Straight Line Graph	Measure Line/Angle
Multiply/Divide Decimals	Constructions and Loci	Tally Chart

