

MATHS TOPIC LIST

PAPER 3

FOUNDATION

This list is to be used as a guide for your revision. It is not an exhaustive list of every topic, but a carefully tailored one to support you to focus your revision.

What came up in Paper 1?	<ul style="list-style-type: none">• Fraction to percentage• BIDMAS• Naming quadrilaterals• Square numbers• Using a scale• Probability scale• Coordinates, midpoint• Weight and distance conversions• Mode, median and range• Write and simplify a ratio• Direct proportion• Fractions of amounts• Factorise single brackets	<ul style="list-style-type: none">• Substitution• Recipes and best buys• Area of a triangle and rectangle• Plotting linear graph• Decimal multiplication• Scatter graphs• Probability table• Nth term• Inverse proportion• Factoring and solving quadratics• Surface area and volume of a cuboid• Estimation• Exact trig values
Unlikely to appear again		
What came up in Paper 2?	<ul style="list-style-type: none">• Percentage of an amount• Round to the nearest 10• Time conversion• Cube number• Mean• Pictogram• Money question• Number machine• Angle notation• 3D Properties• Fraction multiplication• Order fractions, decimals, percentages• Midpoint of two numbers• Scale factor• Reflection	<ul style="list-style-type: none">• Frequency tree, write percentage• Bearings and scale drawing• Quadratic sequence (substitution)• Proportion problem• Venn diagram• LCM and HCF• Expand double bracket• Solve x on both sides• Angles in polygons• Share in a ratio• Standard form conversion and calculation• Compound interest• Error interval• Column vectors• Quadratic graph
Unlikely to appear again		
Extremely Likely	<ul style="list-style-type: none">• Percentage calculations (increase/decrease, reverse, percentage change, profit/loss, simple interest)• Ratio (sharing, combining, 1:n)• Angle Facts• Transformations (Translation, rotation)• Mean (from frequency table/reverse/combined)• Circles (area, circumference, parts)• Simultaneous Equations• Rearranging Formulae• Inequalities (solving, number line)	<ul style="list-style-type: none">• Pythagoras' Theorem• Trigonometry• Statistical diagrams (pie charts, distance-time graphs, bar chart, stem and leaf)• Probability (probability trees, two-way tables)• Algebra (collect like terms, forming and solving, expanding)• Compound measures (Density, Force, Combined)• Index laws• Perimeter• Similar shapes
Common topics left after Papers 1 and 2		