

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 of an amount• Fraction to decimal• Square root• Multiples• Percentages• Scale drawing• Probability scale• Parts of a circle• Drawing a trapezium• Column multiplication• Bus stop division• Number machine• Bar chart• Combining ratio	<ul style="list-style-type: none">• Fraction arithmetic• Solving equations with a fraction• Solving equations with a bracket• Proportion• Bearings• Stem and Leaf• Range• Expand brackets• Factorising• Speed• Scatter graph• Area rectangle• Area circle• Equation of a line
Unlikely to appear again		

What else came up in Paper 2?	<ul style="list-style-type: none">• Writing number from words• Percentage to fraction conversion• Rounding• Unit conversions• Pie Chart• Picture sequence• Distance-Time graph• Probability• Angle problems (not parallel)• Proportion• Percentages (increase)	<ul style="list-style-type: none">• Substitution• Reverse mean and mode• Volume• Use a calculator• Reciprocal• Ratio• Plot quadratic graph• Standard form division• Error interval• Depreciation• Set notation for Venn diagrams
What are we not going to see again?		

What could be in Paper 3?	<ul style="list-style-type: none">• Percentage change (profit/loss)• Nth term of a sequence• Angles (parallel lines and polygons)• Transformations• Scale diagrams• Statistical diagrams (bar charts)• Probability (tables and trees)• Standard form (conversions and calculations)• Ratio – more could come up!• Quadratics (expand, factorise and solve)	<ul style="list-style-type: none">• Algebra (collect like terms, forming and solving)• Area (triangle, trapezium)• Simultaneous equations• Rearranging formulae• Compound measures (Density, Force, Combined)• Prime Factor Decomposition• Averages (median, range)• Coordinates (midpoint, drawing lines)• Surface area• Similar shapes
Common topics not yet seen		