

Maths Higher: Y10 Exam Topic Checklist

Topic	Class Notes	RAG	Revised
Number			
• Decimal Multiplication			
• Prime Factorisation			
• Highest Common Factor			
• Product Rule for Counting			
• Estimation			
• Rationalising the Denominator			
• Percentage Profit Calculation			
• Compound Interest			
• Error Intervals			
• Convert Recurring Decimal to Fraction			
• Lower Common Multiple			
• Upper and Lower Bounds			
• Mixed Number Calculations			
Algebra			
• Index Laws			
• Negative Indices			
• Form and Solve Equations			
• Interpreting Gradient			
• Equations of a Line			
• Solving Quadratics			
• Expanding and Factorising			
• Changing the Subject			
• Algebraic Ratio			
• Iteration			
• Solving Equations with Fractions			
• Nth Term of Quadratic Sequences			

• Completing the Square			
• Quadratic Formula			
Ratio and Proportion			
• Direct Proportion			
• Sharing a Ratio			
• Ratio Problem Solving			
• Inverse Proportion			
• Solving Equations with Ratio			
• Similar Shapes Area/Volume			

Geometry and Measure			
• Angle Facts Problem Solving			
• Gradient of a Line			
• Circumference of a Circle			
• Exact Trig Values			
• Pythagoras			
• Turning Points			
• Circle Theorems			
• 3D Trigonometry and Pythagoras			

Statistics			
• Mean, Median, Mode			
• Range			
• Box Plots			
• Histograms			
• Frequency Tables			
• Cumulative Frequency			
• Interquartile Range			
• Comparing Distributions			

Probability

- Problem Solving Probability

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