

Maths Foundation: Y10 Exam Topic Checklist

Topic	Class Notes	RAG	Revised
Number			
• Integer Numeracy (BIDMAS)			
• Fractions of Amounts			
• Problem Solving Money Calculations			
• Percentage Calculations			
• Fraction Calculations			
• Prime Factorisation			
• Highest Common Factor			
• Estimation			
• Converting Decimals to Fractions			
• Metric Unit Conversion			
• Number Properties (Prime, Square, Cube)			
• Rounding to Decimal Places and Significant Figures			
• Lowest Common Multiple			
• Compound Interest			
Algebra			
• Simplifying Expressions			
• Expanding and Factorising			
• Substitution			
• Index Laws			
• Quadratic Expanding/Factorising			
• Changing the Subject			
• Solving Equations			
• Simultaneous Equations			
• Nth Term Linear			
• Form and Solve Equations			
• Equation of a Line			

Ratio and Proportion

- Direct Proportion
- Simplifying a Ratio
- Sharing in a Ratio
- Fractions from Ratios
- Ratio Problem Solving

Geometry and Measure

- Angle Facts
- Perimeter and Area of 2D shapes
- Right Angled Trigonometry
- Pythagoras Theorem
- Compound Shapes

Statistics

- Mean Median Mode
- Range
- Frequency Table
- Bar Chart
- Two Way Tables
- Stem and Leaf Diagrams
- Pictograms
- Frequency Trees
- Estimating Mean

Probability

- Frequency Tree Probability