

Mathematics Mock Examination

Advance Information – **FOUNDATION TIER**

Paper 1 – Friday 2nd June

Number
<ul style="list-style-type: none">▪ Fractions, Decimals and Percentages▪ Powers and Roots▪ BIDMAS▪ Factors and Multiples▪ Prime Factors, HCF and LCM▪ Fractions▪ Indices▪ Multiplication and Division
Algebra
<ul style="list-style-type: none">▪ Simplifying Algebra▪ Solving Equations▪ Forming and Solving Equations▪ Inequalities▪ Expanding and Factorising Quadratics
Geometry & Measures
<ul style="list-style-type: none">▪ Angles▪ Transformations▪ Midpoints▪ Area and Perimeter
Statistics
<ul style="list-style-type: none">▪ Averages▪ Bar Charts
Probability
<ul style="list-style-type: none">▪ Probability
Ratio & Proportion
<ul style="list-style-type: none">▪ Direct Proportion▪ Percentages▪ Scale Drawings▪ Ratio▪ Combining Ratios▪ Writing a Ratio as a Fraction or Linear Function▪ Speed and Density

Paper 2 – Wednesday 21st June

Number
<ul style="list-style-type: none">▪ Ordering numbers▪ Odd and Even Numbers▪ Four operations▪ Time▪ Fractions of an amount▪ Ordering fractions
Algebra
<ul style="list-style-type: none">▪ Substitution into formula▪ Collecting like terms▪ Solving equations▪ Writing expressions▪ Sequences (Nth term)▪ Drawing quadratic graphs
Geometry & Measures
<ul style="list-style-type: none">▪ Length conversion▪ Measuring lengths and angles▪ Plans and elevations▪ Area of compound shapes▪ Sector Area and Arc Lengths▪ SOH CAH TOA (Trigonometry)
Statistics
<ul style="list-style-type: none">▪ Bar Charts▪ Stem and Leaf Diagram▪ Estimate of the mean▪ Scatter Graphs
Ratio & Proportion
<ul style="list-style-type: none">▪ Percentage to fraction▪ Percentages of an amount▪ Best buy▪ Direct proportion▪ Compound Interest and Depreciation

Paper 3 – Thursday 22nd June

Number
<ul style="list-style-type: none">▪ Fractions, Decimals and Percentages▪ Place value▪ Rounding▪ Multiples▪ Fractions of an amount▪ Using a calculator▪ Standard Form
Algebra
<ul style="list-style-type: none">▪ Sequences (Nth Term)▪ Changing the subject of a Formula
Geometry & Measures
<ul style="list-style-type: none">▪ Coordinates▪ Volume of a prism▪ Angles in quadrilaterals▪ Angles▪ Rotations▪ Cylinders▪ Similar Shapes (Lengths)▪ Volume Conversion▪ Vectors
Statistics
<ul style="list-style-type: none">▪ Interpreting line graphs▪ Averages▪ Pie Charts▪ Combined Mean
Probability
<ul style="list-style-type: none">▪ Probability Trees
Ratio & Proportion
<ul style="list-style-type: none">▪ Ratio▪ Conversions and units▪ Proportion▪ Real Life and Distance Time Graphs▪ Proportion Ingredients Questions▪ Sharing Ratio▪ Two Way Tables