
MATHS

Week 1:

- Writing a Ratio as a Fraction or Linear Function
- Direct and Inverse Proportion

Week 2:

- Reverse Percentages
- Standard Form

Week 3:

- Speed and Density
- Changing the Subject of a Formula

Week 4:

- Expanding and Factorising Quadratics
- Solving Quadratics

Week 5:

- Drawing Quadratic Graphs
- Drawing Other Graphs: Cubic/Reciprocal

Week 6:

- Simultaneous Equations
- Solving Simultaneous Equations Graphically

Week 7:

- Midpoint of a Line Segment
- Gradient of a Line

Week 8:

- Equation of a Line
- Spheres and Cones

Week 9:

- Sector Areas and Arc Lengths
- Similar Shapes (Lengths)

Week 10:

- SOHCAHTOA (Trigonometry)
- Exact Trig Values

Week 11:

- Vectors
- Probability Trees

Week 12:

- Venn Diagrams
- Recurring Decimals to Fractions

Week 13:

- Fractional and Negative Indices
- The Product Rule for Counting

Week 14:

- Repeated Percentage Change
- Expanding Triple Brackets

Week 15:

- Parallel and Perpendicular Lines
- Inequalities on Graphs

Week 16:

- Similar Shapes (Area and Volume)
- Enlarging with Negative Scale Factors

Week 17:

- Circle Theorems
- Cumulative Frequency

Week 18:

- Box Plots
- Capture Recapture

Week 19:

- Surds
- Bounds

Week 20:

- Direct and Inverse Proportion

Week 21:

- Quadratic Formula
- Factorising Harder Quadratics

Week 22:

- Algebraic Fractions
- Rearranging Harder Formulae

Week 23:

- Trigonometric and Exponential Graphs
- Inverse and Composite Functions

Week 24:

- Iteration
- Finding the Area of Any Triangle

Week 25:

- The Sine Rule
- The Cosine Rule

Week 26:

- Congruent Triangles

- 3D Pythagoras and Trigonometry

Week 27:

- Histograms
- Conditional Probability

Week 28:

- Quadratic Simultaneous Equations

Week 29:

- Transforming Graphs $y=f(x)$

Week 30:

- Proof

Week 31:

- Completing the Square

Week 32:

- The Nth Term of a Quadratic Sequence

Week 33:

- Quadratic Inequalities

Week 34:

- Velocity Time Graphs

Week 35:

- Proof of the Circle Theorems

Week 36:

- Perpendicular Lines and the Equation of a Tangent

Week 37:

- Vectors Proof Questions

Week 38:

- Probability Equation Questions

Week 39:

- Exam Practice