

Mathematics – Year 9 Higher Revision List

1. Rules for indices
Calculations involving Standard Form
Rounding to significant figures and estimation
2. Constructions using ruler and compass
Constructing loci and bearings
Plans and elevations of 3D solids
3. Expanding two brackets
Factorisation into one bracket and factorising quadratic expressions into two brackets
Deriving and using formulae
4. Solve problems involving direct or inverse proportion
Solve problems using congruency
Solve problems using similarity
Using compound measures, including speed and density
5. Investigate and use Fibonacci and Quadratic sequences
6. Solving linear inequalities
7. Solve problems involving arcs and sectors
Surface area of prisms
Solve problems involving Pythagoras' theorem
8. Using $y=mx+c$ for straight line graphs
Plotting and sketching quadratic and real-life graphs
9. Solve linear simultaneous equations algebraically and graphically

There may be problems involving topics from previous years such as area of shapes, transformations, averages and range and different charts and graphs

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