

GCSE Maths Foundation

Revision List for Calculator Paper 3 2019

Here is a list of what is likely to come up on calculator paper 3, based on what was on paper 1 and paper 2. Make sure you have your calculator and you know how to use it!

Number

- ✓ Rounding numbers to decimal places and significant figures
- ✓ Square and cube numbers
- ✓ Simple and **compound interest** (incl. depreciation)
- ✓ **Reverse percentages**
- ✓ Inverse proportion

Algebra

- ✓ Laws of indices
- ✓ Factorising expressions completely
- ✓ **Expanding double brackets and factorising quadratics**
- ✓ Setting up and solving equations
- ✓ **Solving equations with a variable on both sides**
- ✓ **Changing the subject of a formula**
- ✓ **Sequences** (including the nth term)
- ✓ Finding the **equation of a line** from the graph ($y = mx + c$)
- ✓ Graphs of quadratics, cubics and reciprocals
- ✓ **Solving simultaneous equations**
- ✓ **Distance-time graph**

Geometry

- ✓ **Angle facts** (line/triangle/quadrilateral)
- ✓ Angles in a polygon (interior/exterior)
- ✓ Perimeter and area (triangle / trapezium / parallelogram / compound shapes)
- ✓ **Volume and surface area of prisms**
- ✓ **Area and circumference of a circle**
- ✓ Volume and surface area of a cylinder
- ✓ Transformations (rotations / enlargements)
- ✓ **Pythagoras' theorem**
- ✓ **Constructions** (perpendicular bisector/angle bisector/equilateral triangle)
- ✓ Bearings
- ✓ Pyramids, cones and spheres (volume and surface area)
- ✓ Similar shapes and Congruency (SSS, ASA, SAS, RHS)

Handling Data

- ✓ Drawing bar charts / **Pie charts**
- ✓ **Scatter graphs**
- ✓ Time series graphs and identifying trends
- ✓ **Drawing Frequency Polygons**
- ✓ Stem and leaf diagrams
- ✓ Averages (Mean/median/mode) and range
- ✓ **Mean from a frequency table**
- ✓ Comparing distributions
- ✓ Frequency trees
- ✓ **Probability tree diagrams**
- ✓ **Venn Diagrams**

GOOD LUCK!!