

**GCSE Maths Foundation**  
**Revision List for Calculator Papers 2 & 3 2019**

Here is a list of what is likely to come up on the calculator papers 2 and 3, based on what was on the first paper. 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
- ✓ Converting metric units
- ✓ **Prime factorisation** including HCF and LCM
- ✓ **Standard form**
- ✓ **Converting between fractions, decimals and percentages**
- ✓ Simple and **compound interest** (incl. depreciation)
- ✓ **Reverse percentages**
- ✓ Inverse proportion
- ✓ **Error intervals**
- ✓ **Time and timetables**

**Algebra**

- ✓ Laws of indices
- ✓ Factorising expressions completely
- ✓ **Expanding double brackets**
- ✓ Factorising (quadratics)
- ✓ Expressions and formulae
- ✓ Setting up and solving equations
- ✓ **Solving equations with a variable on both sides**
- ✓ **Changing the subject of a formula**
- ✓ Drawing inequalities on a number line
- ✓ **Solving inequalities**
- ✓ **Sequences** (including the nth term)
- ✓ Finding the **equation of a line** from the graph (  $y = mx + c$  )
- ✓ Drawing graphs of straight lines
- ✓ 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
- ✓ Area (triangle / trapezium / parallelogram / compound shapes)
- ✓ **Volume and surface area of cuboids and prisms**
- ✓ **Area and circumference of a circle**
- ✓ Volume and surface area of a cylinder
- ✓ **Transformations** (rotations / enlargements)
- ✓ **Pythagoras' theorem**
- ✓ Trigonometry (SOHCAHTOA)
- ✓ Scale drawing and maps
- ✓ **Constructions** (perpendicular bisector/angle bisector/equilateral triangle)
- ✓ Loci
- ✓ Bearings
- ✓ Pyramids, cones and spheres (volume and surface area)
- ✓ Similar shapes
- ✓ Congruency (SSS, ASA, SAS, RHS)

## Handling Data

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

**GOOD LUCK!!**