



# Year 10 FOUNDATION Maths: Revision Guidance

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| <b>Circulation</b> | Year 10- Foundation Student                                       |
| <b>Title</b>       | Year 10- Foundation Revision                                      |
| <b>Purpose</b>     | To provide revision information for Year 10 Foundation Maths Exam |

You will sit **two papers** in total, **one non- calculator** and **one calculator**

## **Unit 1: Number**

Estimating, HCF/ LCM, Indices, Factors and Multiples, Standard form

## **Unit 2: Algebra**

Expanding and factorising, Equations, Formulas, Substitution, Linear sequences, Rearranging the formula, Expand and factorise double brackets

## **Unit 3: Fractions, Ratio and Percentages**

Fractions, Ratio, proportion, Percentages, FDP, Direct and Inverse proportion, Ratio problems

## **Unit 4: Graphs**

Linear and non- linear graphs, Rates of change, Real life graphs, Gradients,  $y = mX+c$

## **Unit 5: Area and Volume**

Area and Perimeter of 2d shapes, Prisms, Circles, Sectors and Arc Lengths, Cylinders, Composite shapes

**3 Papers- Non- Calculator:** The exam will be 1 hour 30 minutes.

**Calculator:** The exam will be 1 hour 30 minutes.

You must answer all questions in the paper. You will need a black pen, pencil, ruler, protractor, compass and calculator for the exam.

Further detail and revision materials can be found here:

Maths Genie: <https://www.mathsgenie.co.uk/gcse.php>

Corbettmaths: [Edexcel Foundation Revision - Corbettmaths](#)

1<sup>st</sup> Class maths: [1st Class Maths - Free online GCSE Maths Revision](#)

Sparx Maths: [Sparx Maths Login](#)



# Year 10 HIGHER Maths: Revision Guidance

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|--------------------|---|
| <b>Circulation</b> | Year 10- Higher Student                                       |
| <b>Title</b>       | Year 10- GCSE Revision  |
| <b>Purpose</b>     | To provide revision information for Year 10 Higher Maths Exam |

You will sit **two papers** in total, **one non- calculator** and **one calculator**

## **Unit 1: Number**

Estimating, HCF/ LCM, Indices, Fractional indices, Standard form. Surds

## **Unit 2: Algebra**

Algebraic Indices, Expanding and factorising, Equations, Formulas, Linear and Non- Linear sequences, Rearranging the formula, Algebraic fractions

## **Unit 3: Fractions, Ratio and Percentages**

Fractions, Ratio, proportion, Percentages, FDP, Direct and Inverse proportion

## **Unit 4: Graphs**

Linear and non- linear graphs, Rates of change, Real life graphs, Line segments, quadratic, cubic and reciprocal graphs

## **Unit 5: Area and Volume**

Area and Perimeter of 2d shapes, Bounds, Prisms, Circles, Sectors and Arc Lengths, Cylinders, Sphere, Pyramids and cones

## **Unit 6: Transformation and constructions**

3D solids, Transformation, Scales drawings, Plans and Elevations, Constructions, Loci and Bearing

**2 Papers- Non- Calculator:** The exam will be 1 hour 30 minutes.

**Calculator:** The exam will be 1 hour 30 minutes.

You must answer all questions in the paper. You will need a black pen, pencil, ruler, protractor, compass and calculator for the exam.

Further detail and revision materials can be found here:

Maths Genie: <https://www.mathsgenie.co.uk/gcse.php>

Corbettmaths: [Edexcel Foundation Revision - Corbettmaths](#)

1<sup>st</sup> Class maths: [1st Class Maths - Free online GCSE Maths Revision](#)

Sparx Maths: [Sparx Maths Login](#)