



Supporting your child through their Maths GCSE

revision tips

Foundation

The Maths Exams

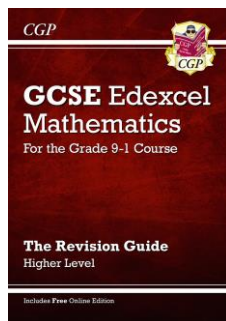
Paper	Paper	Length	%	Date	
1	Non Calculator	90 mins	33	20/05/22	AM
2	Calculator	90 mins	33	07/06/22	AM
3	Calculator	90 mins	33	13/06/22	AM

Useful websites:

- www.mathsgenie.co.uk
- www.vle.mathswatch.co.uk
- www.mymaths.co.uk

Revision Guides

Revision guides can be a useful resource to support revision of topics at a glance with practice questions. The Priory School Maths department recommends the CGP revision guides.



Supporting with Revision

Revision is vital for all students but it can lead to a great deal of stress and anxiety. We've included some tips below for parents:

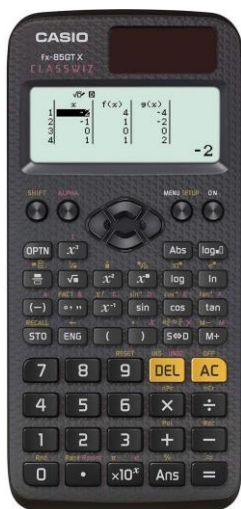
- Encourage your child to start revision early.
- Encourage your child to be organised and use a revision timetable. Plan in advance which specific topics they are going to revise.
- Creating flash cards that summarise a key topic can be effective in memorising key formulas and methods.
- Encourage your child to use a revision guide/website link from below.
- Check that they complete their homework. Their Homework will usually consist of completing exam questions which is one of the best forms of revision.
- Your child needs to memorise many formulas, get them to write different formulas on post-it notes and then stick them around the house.
- The more past exam papers that they work through, the more their exam technique will improve
- Encourage them to show all their working out clearly. This can significantly affect how many marks they obtain.

Maths Equipment

It is essential that students have the correct equipment for their GCSE Examinations. For GCSE Maths they will require the following:

Black pen, pencil, ruler, eraser, protractor, pair of compasses and calculator (for paper 2 and paper 3)

A Scientific calculator is necessary for two of the papers and we advise the Casio fx-85GTX Scientific Calculator which can be purchased from various stores and online



Number

- Money
- Negative number
- Order fractions, decimals, percentages
- **Fraction of an amount**
- **Fraction arithmetic**
- Place value
- **Product of prime factors**
- **Standard Form conversion and calculation**
- Estimation

Paper 1

Ratio

- Length conversion
- **Percentage of an amount**
- Percentage increase
- **Write as a ratio, share in a ratio**
- Direct proportion
- Speed and density

- Money
- Negative number
- Fraction arithmetic
- Order fractions, order integers
- Multiples
- Rounding
- **Error interval**
- Mathematical symbols

Paper 2

- Mass, time, **area**
- Scale drawing
- Decimal to percentage
- Percentage profit
- **Depreciation**
- Write as a ratio, **use of ratio**
- Direct proportion
- **Currency conversion**

Algebra

- **Simplification**
- Substitute values
- Linear inequality
- Quadratic equation
- Quadratic graph
- Linear sequence

- **Simplification**
- **Expansion of bracket**
- **Factorisation**
- **Laws of indices**
- Linear simultaneous equations
- **Coordinates**
- Straight line graph
- Functions: Number machines

- Four operations
- **Negative number**
- Fraction of an amount
- One amount as a fraction of another
- Equivalent fractions
- Factors
- Lowest Common Multiple
- Square root
- Rounding
- Calculator use

Paper 3

- **Time**
- Compound units
- Scale drawing
- Percentage to fraction
- One quantity as a percentage of another
- **Percentage decrease**
- **Reverse percentage**
- **Write as a ratio**
- **1 : n form**
- **Direct proportion**
- Average speed

- **Simplification**
- **Expansion of bracket**
- Factorisation
- **Substitute values**
- **Change subject of a formula**
- **Forming an expression**
- Linear equation
- Form an equation
- Linear sequence

Geometry

- Reflection
- Plan and elevation
- **Angles in a polygon**
- **Volume of a cube and cylinder**
- **Exact trig. values**

- Polygons
- Circles
- Parallel and perpendicular lines
- **Transformations**
- Angles in a triangle
- Vertically opposite angles
- **Area of a rectangle**

- Triangle properties
- Quadrilaterals
- Triangular prism
- Angle properties of parallel lines
- Angles in a triangle
- Vertically opposite angles
- Bearings
- Area of a triangle and **trapezium**
- **Pythagoras Theorem**

Probability

- **Probability**
- Frequency tree

- Tree diagram
- Combined events

- Probability scale
- Probability

Statistics

- Pictogram
- Bar chart
- Stem and leaf diagram

- Interpret graph
- Two-way table
- Frequency table
- Mode
- Median
- Mean

- **Frequency polygon**
- Median
- Range
- Comparison of distributions