

**How do I revise for
my GCSE Maths?**



Basically hard work pays off.

If you are willing to put in the hard work then you can definitely get a top grade in maths.

It depends how much you want it!

Top Revision Tips



1) Start early using a “little and often” approach.

It is so important that you regularly practise the material you have learnt in lessons.

The only way to remember what you learnt yesterday/last week/last month/last year is to regularly try questions on those topics.

Use P6!

2) Revise Strategically – Ensure you have a list of the topics that are in the exam

Adding Fractions - Video 133
Multiplying Fractions - Video 142
Dividing Fractions - Video 134
Estimation - Video 215
Best Buys - Video 210
Currency - Video 214a
Conversion Graphs - Video 151, 152
Product of Primes - Videos 223, 224
Indices - Videos 172, 174
Indices (fractional/negative) - Videos 173, 175
Standard Form - Videos 300, 301, 302, 303
Percentages of Amounts - Videos 234, 235
Percentage change - Video 233
Compound Interest - Video 236
Reverse Percentages - Video 240
Recurring Decimals to Fractions - Video 96
Ratio - Videos 270, 271
Direct Proportion - Video 254
Inverse Proportion - Video 255
Limits of Accuracy - Videos 183, 184
Surds - Videos 305, 306, 307, 308
Product Rule for Counting - Video 383
Error Intervals - Video 377
Collecting Like Terms - Video 9
Expanding a Bracket - Video 13
Expanding 2/3 Brackets - Videos 14, 15
Factorising - Video 117
Factorising Quadratics - Videos 118, 119, 120
Algebraic Fractions - Videos 21, 22, 23, 24
Sequences (nth term) - Videos 288, 289
nth term (quadratics) - Video 388
Substitution - Video 20
Equations - Videos 110, 113, 114, 115
Changing the Subject - Videos 7, 8
Inequalities - Videos 177, 178, 179
Inequalities (Regions) - Video 182
Quadratic Inequalities - Video 378
Linear Graphs - Videos 191, 186, 189, 194
Parallel or Perpendicular Lines - Videos 196, 197
Simultaneous Equations - Video 295/298

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Angles in Parallel Lines - Video 25, 39
Bearings - Video 26, 27
Angles in Polygons - Video 32
Constructions - Video 78, 72, 79, 80, 70
Loci - Videos 75, 76, 77
Area of a Trapezium - Video 48
Circumference - Video 60
Area of a Circle - Video 40
Arc Length - Video 58
Area of a Sector - Video 48
Volume of a Cylinder - Video 357
Pythagoras - Video 257, 259
Trigonometry - Videos 329, 330, 331
3D Trig and Pythagoras - Videos 259, 332
Exact Trig Values - Video 341
Volume of a Prism - Video 356
Volume of Cone/Pyramid/Sphere - Videos 359-361
Surface Area of a Prism - Video 311
Surface Area of Cone/Sphere - Videos 314, 313
Translations - Video 325
Reflections - Video 272
Rotations - Video 275
Enlargements - Videos 104, 106, 107, 108
Similar Shapes - Videos 292, 293a, 293b
Circle Theorems - Videos 64, 65
Sine Rule - Video 333
Cosine Rule - Videos 335, 336
1/2abSinC - Video 337
Vectors - Video 353
Travel Graphs - Video 171
Speed, Distance, Time - Video 299
Density - Video 384
Pressure - Video 385
Geometric Proof - Video 366

Frequency Trees - Video 376
Two-way Tables - Video 319
Pie Charts - Videos 163, 164
Scatter Graphs - Videos 165, 166
Histograms - Video 157, 158, 159
Frequency Polygons - Videos 155, 156
Stem-and-leaf - Videos 169, 170
Cumulative Frequency - Videos 153, 154
Box Plots - Video 149
Estimated Mean - Video 55
Tree Diagrams - Video 252
Conditional Probability - Video 247
Capture Recapture - Video 391
Venn Diagrams - Video 380
Equation of a Circle - Video 12
Equation of a tangent - Video 372
Instantaneous rates of change - Video 309a
Average rates of change - Video 309b
Area under a curve - Video 389
Composite Functions - Video 370
Inverse Functions - Video 369
Quadratic Graphs - Video 264
Trigonometric Graphs - Videos 338, 339
Reciprocal Graphs - Video 346
Exponential Graphs - Video 345
Algebraic Proof - Video 365
Quadratic Formula - Video 267
Completing the Square - Video 10, 371
Transformations of Graphs - Video 323
Iteration - Video 373

3) Past papers, past papers, past papers!

The vast majority of a GCSE maths paper is fairly predictable. So by completing loads of past papers, you will be fully prepared for the majority of the questions... it will also help you identify what topics are your “weaknesses”

4) Timings

When you are working on past papers, consider timing yourself to make sure you are working at a good pace.

If the exam has 80 marks and is 1 hour 30 minutes long, “a minute a mark” is a good rough guideline.

5) Revision Sessions.

I highly recommend taking advantage of any opportunities you have in school.

I run higher revision sessions and Mrs Craig runs foundation sessions.

6) Variety.

Mix up your revision, adding in different activities.

Use revision cards or even make your own!

Make a posters on key facts.

It's important that you don't get bored of revision, however don't spend too long making posters.

7) Use your lesson time wisely.

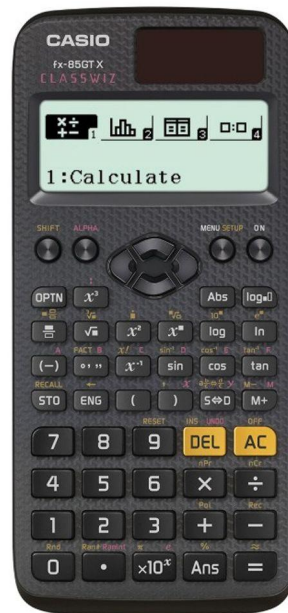
Although you may spend a few hours a week revising mathematics, remember you also have 3/4 maths lessons each week. Keep 100% focussed in your lessons and avoid distractions.

8) Create a cheat sheet.

Start making a note of any useful formulae you need.

9) It is so important you are fully equipped to revise.

It is very important to become familiar with your calculator and what each button does.



10) Use these great resources

www.corbettmaths.com

<http://www.mrbartonmaths.com/gcse.html>

<https://www.mathsgenie.co.uk/>