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| Maths Revision List Summer 2025 for Higher | |
| Exam information: **Exam Board AQA 8300**  **https:**[**//www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300/specification-at-a-glance**](http://www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300/specification-at-a-glance)  **There are two 90-minute papers.**  **Paper 1 is the Non-Calculator Paper.**  **Paper 2 is the Calculator Paper.**  **You will need all mathematical equipment.** | |
| Topic | Revised? |
| Algebraic fractions |  |
| Adding, subtracting, multiplying, dividing and simplifying surds |  |
| Angles on a line, about a point and on parallel lines |  |
| Box plots |  |
| Changing the subjects of formulae |  |
| Circle theorems |  |
| Congruent triangles |  |
| Constructing shapes |  |
| Converting recurring decimals to fractions |  |
| Equation of a circle |  |
| Equation of a line from a gradient and a point |  |
| Estimating roots and powers |  |
| Expanding brackets |  |
| Expected results from repeated experiments |  |
| Factorise quadratics with co-efficient |  |
| Finding averages |  |
| Finding bounds for calculations |  |
| Finding original values in percentage calculations (sometimes called reverse percentages) |  |
| Finding the length of the arc |  |
| Frequency tables with grouped data |  |
| Graphs – with K constant |  |
| Identities |  |
| Interpreting frequency tables with grouped data |  |
| Multiplying and dividing fractions |  |
| Numbers as percentages of other numbers |  |
| Parts of a circle |  |
| Proportionality |  |
| Rates of change |  |
| Reading, converting and calculating with time |  |
| Share amounts in a given ratio |  |
| Simplifying fractions |  |
| Solving equations |  |
| Solving shape problems involving coordinates |  |
| Solving simultaneous equations using substitution |  |
| Solving inequalities and representing on a number line |  |
| Special sequences |  |
| Substituting into functions |  |
| Substituting into iterative formulae and finding approximate solutions to equations using iteration |  |
| Surface area of cone |  |
| Time series |  |
| Transformations |  |
| Use Pythagoras' theorem in 2D |  |
| Use standard form with negative and positive indices |  |
| Using the exact values of trigonometric ratios |  |
| Vector geometry |  |
| Venn diagrams with set notation |  |
| Volume of a prism with ratios |  |
| Revision Links | |
| **Websites**  Sparx Maths Independent Learning – https://[www.sparxmaths.uk](http://www.sparxmaths.uk/)  Corbett Maths – https://corbettmaths.com/  GCSEPod - https://[www.gcsepod.com/](http://www.gcsepod.com/)  Seneca Learning - https://senecalearning.com/en-GB/  BBC Bitesize Learning - https://[www.bbc.co.uk/bitesize/examspecs/z8sg6fr](http://www.bbc.co.uk/bitesize/examspecs/z8sg6fr)  Oak National Academy - https://classroom.thenational.academy/subjects-by-key-stage/key-stage-4/subjects/maths  Third Space Learning - https://thirdspacelearning.com/secondary-resources/  **Recommended Revision Guides**  Collins GCSE AQA revision guides and Corbett Maths revision cards – Available on Wisepay  **Recommended Calculators**  Casio fx-83 CW, fx-85 CW, Casio Classwiz EX-991 CW (recommended if continuing onto A-Level  Mathematics) – underlined models available on Wisepay  **Maths Sets:**  We have Maths Sets available on Wisepay and are priced at £2, these come in an exam-friendly transparent pencil case. | |