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| Maths Revision List Summer 2025 for Foundation | |
| 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 and Paper 2 is the Calculator Paper.**  **You will need all mathematical equipment.** | |
| Topic | Revised? |
| Adding, subtracting, multiplying and dividing, including with negatives, decimals and integers |  |
| Area of compound shapes |  |
| Calculate experimental probabilities |  |
| Calculating the mean |  |
| Calculating with roots and powers |  |
| Choosing suitable averages and solving problems |  |
| Constructing fractions |  |
| Converting between fractions, decimals and percentages |  |
| Converting units of length, mass and capacity |  |
| Drawing and interpreting pictograms |  |
| Expected results from repeated experiments |  |
| Finding areas using grids |  |
| Finding fractions of amounts including shading on a grid |  |
| Finding percentages of amounts |  |
| Finding perimeter and area of 2D Shapes |  |
| Finding the percentage using a grid. |  |
| Parts of a circle |  |
| Percentage (reverse) with a calculator |  |
| Position-to-term rules for arithmetic sequences (also known as finding nth term) |  |
| Probability Trees |  |
| Rates of change |  |
| Reading, drawing inequalities on number lines and solving inequalities |  |
| Reading and plotting coordinates |  |
| Rearrange formula |  |
| Share amounts into a given ratio |  |
| Simplifying expressions by collecting like terms |  |
| Simplifying fractions |  |
| Solving direct proportion word problems |  |
| Solving equations with two or more steps |  |
| Substituting into algebraic formula |  |
| Surface area of a cone |  |
| Time series graph |  |
| Transformations |  |
| Trigonometry |  |
| Understanding congruence and similarity |  |
| Understanding, measuring and drawing angles |  |
| Using algebraic notation |  |
| Vector Arithmetic |  |
| Writing and simplifying ratio |  |

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| Revision Links |
| **Websites**  Sparx Maths Independent Learning – https://[www.sparxmaths.uk](http://www.sparxmaths.uk/)  Corbett Maths – https://corbettmaths.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)  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. |