

Subject	Year 9 Mathematics	Exam Board	AQA	Course Code	8300
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Overview

Assessment		
Two 45-minute assessments – Paper 1 and Paper 2		
Paper 1	Non-calculator paper	You cannot use a calculator for this paper.
Paper 2	Calculator paper	You are allowed to use a calculator for this paper. You will need to bring your own scientific calculator for this exam. A calculator on a phone will not be allowed
You will also need full mathematics equipment		

Revision List – Extension topics are denoted by ^E

Number	<input type="checkbox"/> Calculations with fractions <input type="checkbox"/> Cube numbers <input type="checkbox"/> Estimation <input type="checkbox"/> Fractions of quantities <input type="checkbox"/> Improper Fractions <input type="checkbox"/> Indices <input type="checkbox"/> Number machines <input type="checkbox"/> Order of operations (BIDMAS) <input type="checkbox"/> Prime numbers <input type="checkbox"/> Rounding <input type="checkbox"/> Simplifying Fractions <input type="checkbox"/> Standard Form <input type="checkbox"/> Using the four operations with integers and decimals <input type="checkbox"/> Working with money
Algebra	<input type="checkbox"/> Collecting Like Terms <input type="checkbox"/> Equations of lines (including understanding $y = mx + c$) <input type="checkbox"/> Expanding brackets <input type="checkbox"/> Factorising linear expressions <input type="checkbox"/> Factorising quadratic expressions <input type="checkbox"/> Function machines <input type="checkbox"/> Inequalities <input type="checkbox"/> Sequences <input type="checkbox"/> Solving linear equations <input type="checkbox"/> Solving quadratic equations ^E <input type="checkbox"/> Substitution
Geometry and Measures	<input type="checkbox"/> Area of Circles <input type="checkbox"/> Coordinates <input type="checkbox"/> Metric Units <input type="checkbox"/> Perimeter of 2D shapes <input type="checkbox"/> Properties of quadrilaterals <input type="checkbox"/> Properties of triangles <input type="checkbox"/> Sector Area ^E <input type="checkbox"/> Speed <input type="checkbox"/> Working with Time
Ratio	<input type="checkbox"/> Ratio and Percentages <input type="checkbox"/> Ratio of the form $n : 1$
Probability	<input type="checkbox"/> Working with probability
Statistics	<input type="checkbox"/> Box Plots ^E <input type="checkbox"/> Lower and Upper Quartiles; Interquartile Range ^E <input type="checkbox"/> Median <input type="checkbox"/> Working with the mean

Useful revision resources

Websites

Mathswatch - <https://vle.mathswatch.co.uk/vle/>

Corbett Maths – <https://corbettmaths.com/>

GCSEPod - <https://www.gcsepod.com/>

Seneca Learning - <https://senecalearning.com/en-GB/>

BBC Bitesize Learning - <https://www.bbc.co.uk/bitesize/examspecs/z8sg6fr>

Oak National Academy - <https://classroom.thenational.academy/subjects-by-key-stage/key-stage-4/subjects/math>

Revision Tips

Revision for Mathematics is based upon practice (and more practice). You need to be confident at the skills and concepts that make up the course in order to be able to work through the more challenging problems. Revision should be interactive, not just reading notes

A potential plan of action would be

- Work through the plans below watching the relevant videos (try the one minute videos first and if you do not understand then watch the longer videos)
- Attempting the interactive questions if needed
- Work through maths problems and past papers.
- Do not just read your notes/revision guides as you need to practice your Maths skills.