

GCSE Mathematics 9-1

What do you need to know before the course?

Studying GCSE (9–1) Mathematics will enable you to:

- develop fluent knowledge, skills and understanding of mathematical methods and concepts
- apply mathematical techniques to solve problems
- reason mathematically and draw conclusions
- understand, interpret and communicate mathematical information in a variety of forms in every day life



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Examination and Course Outline

The assessments will cover the following content headings:

1. Number
2. Algebra
3. Ratio, proportion and rates of change
4. Geometry and measures
5. Probability
6. Statistics



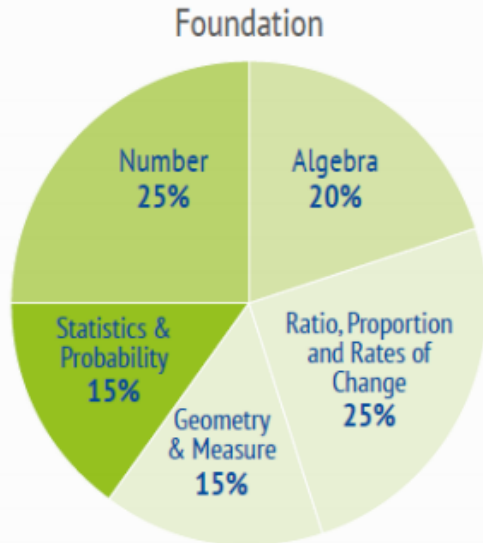
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Examination and Course Outline

There are two tiers of entry Foundation and Higher, with different content weighting shown in the diagrams below.

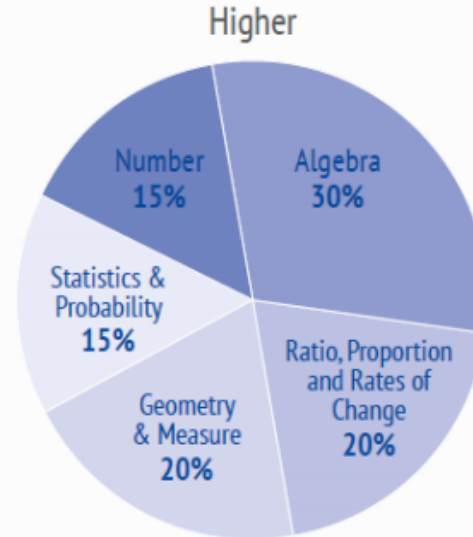
Content weightings

Foundation tier papers will assess the different content domains in these proportions:



There is a greater emphasis on ratio, proportion and rates of change at Foundation tier.

Higher tier papers will assess the different content domains in these proportions:



There is a greater emphasis on algebra at Higher tier, as this is the vehicle for progression to A level Mathematics.



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Examination and Course Outline

- The qualification consists of three equally-weighted written papers.
- Paper 1 is a non-calculator assessment and a calculator is allowed for Paper 2 and Paper 3.
- Each paper is 1 hour and 30 minutes long.
- Each paper has 80 marks.
- Foundation tier: grades 1 to 5.
- Higher tier: grades 4 to 9 (grade 3 allowed).



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Courses that studying GCSE Mathematics leads to:

Having a GCSE qualification grade 4 and above in mathematics is a requirement for most apprenticeships, jobs, A-levels and other courses at your chosen 6th form or college.

Most university courses will also expect you to have GCSE mathematics qualifications, even if the subject you choose to study is not a mathematical one.



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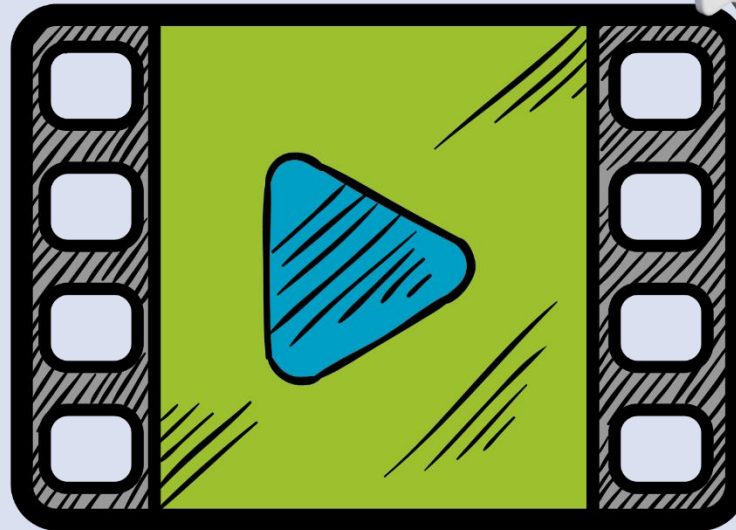
Careers that studying GCSE Mathematics leads to:

GCSE maths qualifications open doors to hundreds of career opportunities, a few examples are listed below.

- Firefighter
- Teacher
- Engineer
- Armed forces
- Banking and Accountancy
- Media
- Retail
- Business management
- Driving instructor
- Doctor
- Data analyst
- Pilot
- Architect
- Games designer



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