

Mathematics

Examination Board: Edexcel

STAFF CONTACT:

Mr C Elliott

Graded: From 9 - 1



Mathematics (1MA1)

The format of GCSE Mathematics, along with all other GCSE subjects, will be significantly different from September 2015, with first examinations in this new specification in May/June 2017. The previous A*-G grading system is being replaced by one with grades 9-1, in addition to some structural changes which are briefly described below.

What will we study?

The new GCSE Mathematics content has been divided into six main domains:

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

Students will use their knowledge and understanding to make connections between mathematical concepts and apply the functional elements of mathematics in everyday and real-life situations.

The content of the GCSE course is a natural progression from the Key Stage 3 syllabus. Topics covered in Year 9 will be revisited to ensure that progression through each unit of work is based on a solid foundation.

How will I be assessed?

The GCSE will be assessed using the new 9 - 1 grading system where 9 is the highest grade. There has been an increase in breadth and depth of content and a greater emphasis on questions at the highest grades. The students will need to memorise more formulae than previously. The Edexcel GCSE in Mathematics (9-1) will be assessed through three equally-weighted written examination papers either Foundation tier or Higher Tier.

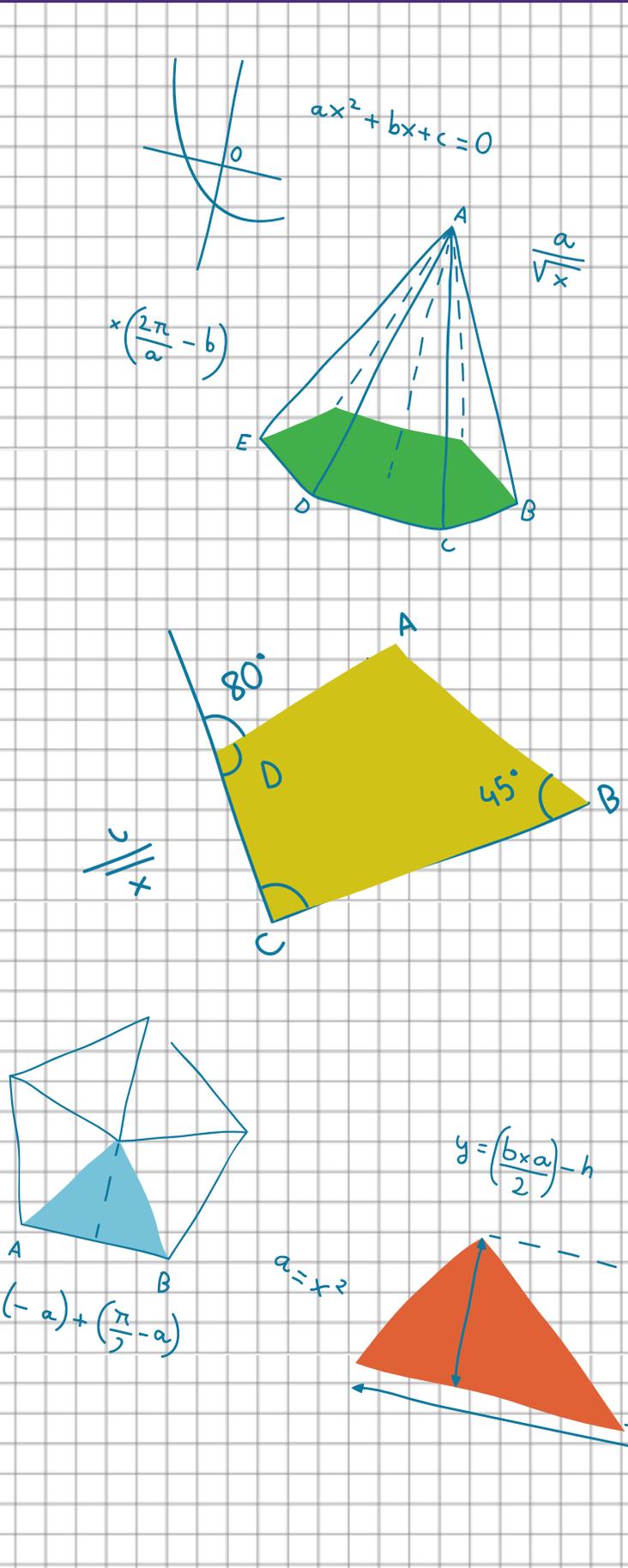
Foundation (grades 1-5)	Paper 1 Non-calculator 33.3% weighting 80 marks 1 hour and 30 minutes	Paper 2 Calculator 33.3% weighting 80 marks 1 hour and 30 minutes	Paper 3 Calculator 33.3% weighting 80 marks 1 hour and 30 minutes
	Higher (grades 4-9)	Paper 1 Non-calculator 33.3% weighting 80 marks 1 hour and 30 minutes	Paper 2 Calculator 33.3% weighting 80 marks 1 hour and 30 minutes

Availability: May/June.

First assessment: May/ June 2017.

Tiers of entry: Foundation and Higher (a student must take all 3 papers at the same time).

Grading: 9-1 overall, with questions targeted at grades 1-5 at Foundation tier and at grades 4-9 at Higher tier. Types of questions: Each paper will have a range of question types, utilising both structured and unstructured questions.



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Common questions between tiers: Grades 4 and 5 are the overlap grades between Foundation and Higher tiers, so common questions targeted at these grades will appear in the respective papers of each tier.

Why study Mathematics?

Mathematics is for everyone. It is diverse, engaging and essential in equipping students with the right skills to reach their future destination, whatever that may be. Maths is a key requirement for many jobs and a maths GCSE shows you have an understanding of numbers and the ability to work with them. Through studying maths you will learn that it is about more than just numbers; it's also about thinking logically and being able to apply the principles you learn to everyday situations.

Almost all jobs and careers require a Mathematics GCSE, but the following are some that use Mathematics extensively:

Economics
Architecture
Science
Accountancy
Marketing

Psychology
Banking
Environmental Studies

Medicine
Insurance
Engineering
Teaching
Business
Management
Computing
Pharmacy