



Cambridge Assessment
International Education

Getting ready to teach

Cambridge IGCSE™ International
Mathematics (0607)

Cambridge
Pathway 
Learn • Discover • Achieve



First assessment from 2025

We review our syllabuses regularly to make sure they continue to meet the needs of our schools.

To make it easier for teachers and students who use more than one syllabus, we have improved accessibility and clarity by considering our Cambridge Upper Secondary Mathematics suite as a whole.

In updating our Cambridge IGCSE International Mathematics (0607) syllabus, we have worked with experienced maths teachers and subject experts to make the qualifications well structured and easier to understand, while keeping the familiar features that teachers and schools value.

We have focused on the breadth and depth of the content to cover fundamental mathematical knowledge and preparing students for the demands of the next stage of learning, if they choose to progress to further study.

Changes to content

How has the content changed?

- Subject content has been reworded and reordered for clarity and consistency.
- We have updated the Notes/Examples column to make the depth of teaching and learning required clearer.
- We are using consistent learning outcomes where appropriate across our Cambridge Upper Secondary Mathematics syllabuses to support teachers who deliver more than one course in the suite.
- Some topics have been removed and a small number added, with breadth and depth explained for clarity.



We have updated the aims and assessment objectives. The wording has been updated but the meaning is the same. The new syllabus will also include details of how it helps students develop the Cambridge learner attributes – confident, responsible, reflective, innovative and engaged.

The assessment objective weightings have been adjusted to allow a better balance across the calculator, non-calculator and investigation/modelling papers.

The new syllabus explains how to present responses using mathematical conventions. Guidance is based on common mistakes found in candidates' responses.



We have added:

- recognising types of function – Linear and quadratic functions (Core only)
- exponential growth and decay (Extended only).

We have also added, or explained further, a small amount of content in some topics to align with other Cambridge Upper Secondary Mathematics courses. Please see the full syllabus for 2025 for details.



We have removed:

- C3.5 Asymptotes (Core only)
- C3.8 Transforming graphs of functions (Core only)
- C11.6 Cumulative frequency (Core only)
- E1.6 Absolute value (Extended only).

We have also reduced the extent of some content within topics, to make sure the volume and level of demand are aligned with other Cambridge Upper Secondary Mathematics courses. Please see the full syllabus for 2025 for details.



First assessment from 2025

Changes to assessment

How has the assessment changed?

Calculator and non-calculator papers have the same duration, number of marks and mix of items.

In addition, we are adding some Core formulas to the list of formulas for Extended papers.

Papers 5 and 6

Papers 5 and 6 have the **same weighting** in the qualification.



Assessment from 2025

Paper 1 (Core) (non-calculator)



Paper 3 (Core) (calculator)

Duration	1 hour 15 mins	1 hour 15 mins
Total marks	60 marks	60 marks
Item types	Structured and unstructured questions	Structured and unstructured questions
Other information	Calculator not allowed Externally assessed 40% of total for Core	Calculator allowed (Graphic Display) Externally assessed 40% of total for Core

Assessment from 2025

Paper 2 (Extended) (non-calculator)

Paper 4 (Extended) (calculator)

Duration	1 hour 30 mins	1 hour 30 mins
Total marks	75 marks	75 marks
Item types	Structured and unstructured questions	Structured and unstructured questions
Other information	Calculator not allowed Externally assessed 40% of total for Extended	Calculator required (Graphic Display) Externally assessed 40% of total for Extended



Assessment from 2025

Paper 5 Investigation (Core) (calculator)



Paper 6 Investigation and modelling (Extended) (calculator)

Duration	1 hour 15 mins	1 hour 30 mins
Total marks	40 marks	50 marks
Item types	One investigation	One investigation section and one modelling section
Other information	Calculator required (Graphic Display) Externally assessed 20% of total Core	Calculator required (Graphic Display) Externally assessed 20% of total for Extended

Assessment objective weightings:

Core	AO1%	AO2%
Paper 1	60–70%	30–40%
Paper 3	60–70%	30–40%
Paper 5	30–40%	60–70%
Extended	AO1%	AO2%
Paper 2	40–50%	50–60%
Paper 4	40–50%	50–60%
Paper 6	25–35%	65–75%



How does this affect teaching?

- The overall teaching time is not affected by these changes.
- Teachers should read the updated content and Notes/Examples column to understand the detailed changes to topics and scope.
- Overall content has been refined and clarified to reduce content load, so teachers will need to update their teaching plans and schemes of work.
- Teachers should support their students with preparing for the updated scheme of assessment.
- Learners will need to practise working with a range of different question types across two equally balanced papers.

What **support** will be available to help teachers deliver the updated course?

March 2023

Specimen paper answers

April 2023

Endorsed textbooks to support the revised syllabus

July 2023

Scheme of work
Classroom teaching materials including a teacher guide

Early 2026, after first examination in 2025

Example Candidate Responses

These materials will be available through our **School Support Hub**, which also includes details of endorsed resources for this syllabus, and access to a subject forum.

Resource Plus

Additionally, Resource Plus for Cambridge IGCSE Mathematics (0580) is already available through the School Support Hub. Many of these teaching resources can also be used to teach Cambridge IGCSE International Mathematics (0607).

Previously available by subscription only, Resource Plus is now available to all Cambridge International Schools at no extra cost through our **School Support Hub**.

Learn more: www.cambridgeinternational.org/0607



First assessment from 2025

