# Building a topic test using ExamBuilder

For OCR GCSE (9-1) Mathematics we have created topic tests using [ExamBuilder](https://exambuilder.ocr.org.uk/marketing/Security/login).

These tests reflect the overall assessment requirements of the qualification and each test focuses on content from an individual topic area of the specification. They are 50 marks with a suggested duration of 45 minutes.

Teachers can create their own topic tests using [ExamBuilder](https://exambuilder.ocr.org.uk/marketing/Security/login) by using the following guidance.

## Design your own topic test

The GCSE (9-1) Mathematics questions in [ExamBuilder](https://exambuilder.ocr.org.uk/marketing/Security/login) are tagged with the topic area and Assessment Objective(s) they assess, their level of demand and whether they are calculator or non-calculator. To mimic the requirements of a full question paper we suggest using the mark tallies in the table below for Assessment Objectives, level of demand and calculator/non-calculator proportions.

In addition, the demand of the questions should increase as a student works through the paper. We also advise putting the calculator questions together in a section before non-calculator questions.

Remember that you can use any of the series that are available on [ExamBuilder](https://exambuilder.ocr.org.uk/marketing/Security/login), including the Practice and Sample papers.

|  |  |  |
| --- | --- | --- |
|  | **Foundation** | **Higher** |
| **Assessment Objectives** | | |
| AO1 | 25 | 20 |
| AO2 | 12-13 | 15 |
| AO3 | 12-13 | 15 |
| **Level of demand** | | |
| Low demand | 25 | n/a |
| Medium demand | 25 | 25 |
| High demand | n/a | 25 |
| **Calculator/Non-calculator** | | |
| Calculator | 30-35 | 30-35 |
| Non-calculator | 15-20 | 15-20 |

### Topics:

* OCR 1 - Number Operations and Integers
* OCR 2 - Fractions, Decimals and Percentages
* OCR 3 - Indices and Surds
* OCR 4 - Approximation and Estimation
* OCR 5 - Ratio, Proportion and Rates of Change
* OCR 6 - Algebra
* OCR 7 - Graphs of Equations and Functions
* OCR 8 - Basic Geometry
* OCR 9 - Congruence and Similarity
* OCR 10 - Mensuration
* OCR 11 - Probability
* OCR 12 - Statistics



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