# 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



We’d like to know your view on the resources we produce. Click ‘Like’ or ‘Dislike’ to send us an auto generated email about this resource. Add comments if you want to. Let us know how we can improve this resource or what else you need. Your email will not be used or shared for any marketing purposes.

Looking for another resource? There is now a quick and easy search [tool to help find free resources](http://www.ocr.org.uk/i-want-to/find-resources/) for your qualification.

OCR is part of Cambridge Assessment, a department of the University of Cambridge.

For staff training purposes and as part of our quality assurance programme your call may be recorded or monitored.
Oxford Cambridge and RSA Examinations is a Company Limited by Guarantee. Registered in England. Registered office
The Triangle Building, Shaftesbury Road, Cambridge, CB2 8EA. Registered company number 3484466. OCR is an exempt charity.

OCR operates academic and vocational qualifications regulated by Ofqual, Qualifications Wales and CCEA as listed
in their qualifications registers including A Levels, GCSEs, Cambridge Technicals and Cambridge Nationals.

OCR provides resources to help you deliver our qualifications. These resources do not represent any particular teaching method we expect you to use. We update our resources regularly and aim to make sure content is accurate but please check the OCR website so that you have the most up to date version. OCR cannot be held responsible for any errors or omissions in these resources.

Though we make every effort to check our resources, there may be contradictions between published support and the specification, so it is important that you always use information in the latest specification. We indicate any specification changes within the document itself, change the version number and provide a summary of the changes. If you do notice a discrepancy between the specification and a resource, please contact us.

© OCR 2021 - You can copy and distribute this resource freely if you keep the OCR logo and this small print intact and you acknowledge OCR as the originator of the resource.

OCR acknowledges the use of the following content: N/A

Whether you already offer OCR qualifications, are new to OCR or are thinking about switching, you can request more information using our [Expression of Interest form](https://www.ocr.org.uk/qualifications/expression-of-interest/).

Please get in touch if you want to discuss the accessibility of resources we offer to support you in delivering our qualifications.