



GCSE Maths WJEC Predicted Papers - How we created these papers

Overview

We have created 4 sets of predicted papers for both GCSE Mathematics, for each of foundation tier, intermediate tier and higher tier, with the mark and topic coverage based on the [WJEC GCSE Mathematics Past Papers](#) provided on their website, along with the content specified in the [WJEC GCSE Mathematics Specification](#).

Each physical paper has been designed to look like the WJEC paper based exams, with the mark schemes formatted and broken down to be easy to follow.

Format and Marks

Our sets of predicted papers are split up into two papers, resembling that of the WJEC format. Paper 1 is a non-calculator paper, with Paper 2 being a calculator paper. Each Foundation tier paper is worth 65 marks, and each Intermediate tier and Higher tier paper is worth 80 marks.

Further, each paper contains a mix of question types, including short answer questions and long answer questions, both structured and unstructured questions, as well as some multiple choice questions.

Some questions are standalone questions, whereas other questions consist of multiple parts and can require using the answer to a previous part of a question, or not. These part questions may vary in the level of demand.

This corresponds to what is seen on the WJEC past papers.

Across each paper, we have aimed to a similar coverage of questions with different numbers of marks of that of the WJEC past papers:

- on foundation, there are a mixture of 1-5 mark single questions (i.e. not the total of a question containing multiple parts)
- on intermediate, there are a mixture of 1-7 mark single questions (i.e. not the total of a question containing multiple parts).
- on higher, there are a mixture of 1-8 mark single questions (i.e. not the total of a question containing multiple parts).

Distribution of Topics and Skills

Content from any part of the specification can be assessed in each higher paper, and where applicable in each foundation paper and intermediate paper.

Each set has been designed to match the approximate percentage breakdown of Assessment Objectives (AO):

Assessment Objectives		Weighting
AO1	Recall and use their knowledge of the prescribed content	50%-60%
AO2	Select and apply mathematical methods	10%-20%
AO3	Interpret and analyse problems and generate strategies to solve them	25%-35%
Total		100%

For each paper, we have aimed to increase the mathematical demand as the student progresses through the paper.

Assessment Difficulty

Each of the sets of papers have been designed to match the difficulty of a corresponding WJEC GCSE Maths Exam series, based on the following grade boundaries:

Higher

Level	A*	A	B	C	D	E	F	G
Mark	109	83	57	32	N/A	N/A	N/A	N/A

Intermediate

Level	A*	A	B	C	D	E	F	G
Mark	N/A	N/A	102	72	47	23	N/A	N/A

Foundation

Level	A*	A	B	C	D	E	F	G
Mark	N/A	N/A	N/A	N/A	71	54	37	20