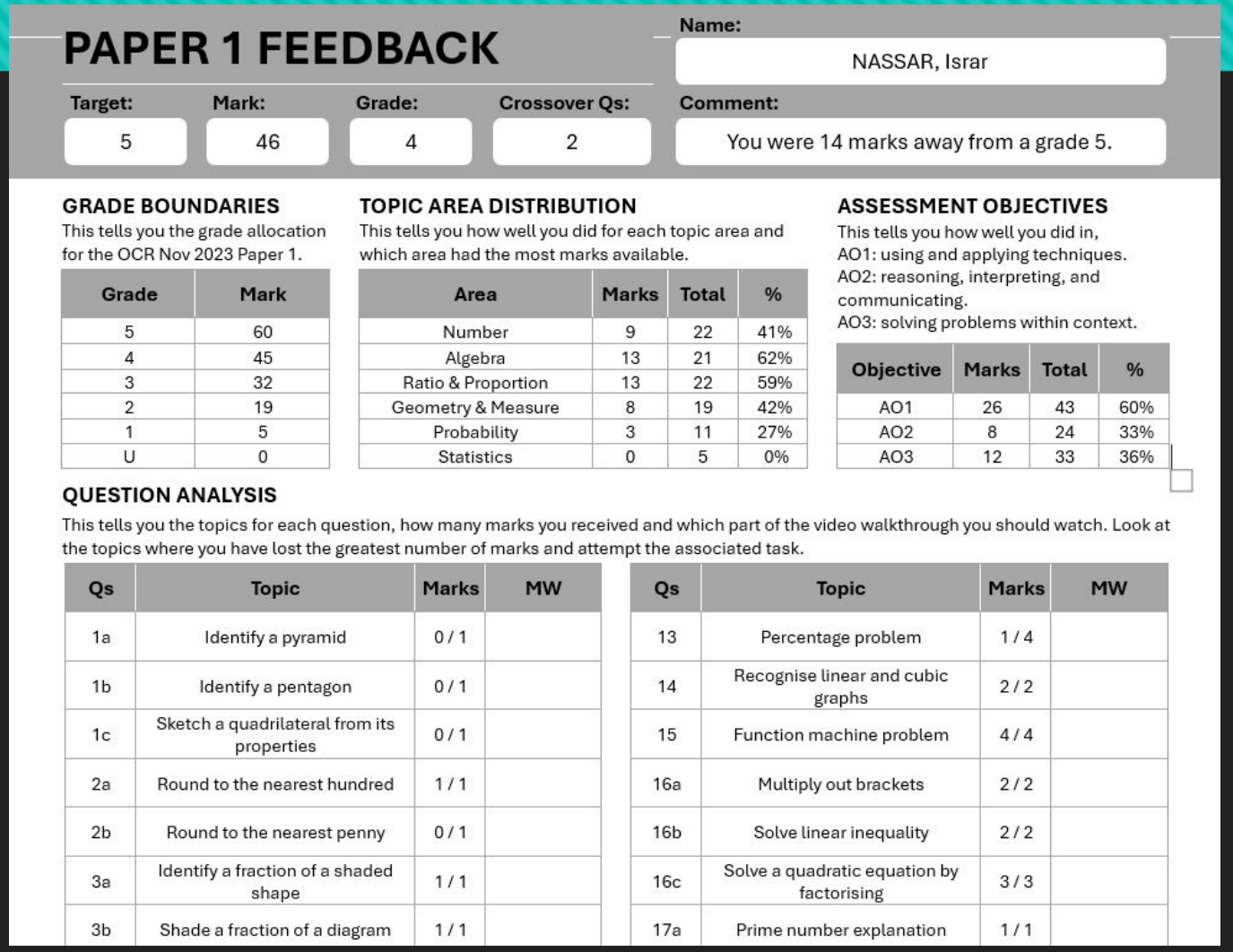
Y11 Revision - Maths

Mock Exams and Feedback

- One of the best ways for our students to make progress throughout Y11 is by working on feedback gained from mock exams
- Mock exam schedule
  - October Mock (Calc) – Taken today!
  - December Mocks (Full Set) – Taking place w/c 08/12/25 & 15/12/25
  - March Mock exams (Full set) – Taking place w/c 23/2/26

Student Feedback Sheets

- After each exam – students receive a bespoke feedback sheet highlighting their strengths and weaknesses
- Students can use this to address specific problem areas that they need to work on



PAPER 1 FEEDBACK

Name: NASSAR, Israr

Target:	Mark:	Grade:	Crossover Qs:	Comment:
5	46	4	2	You were 14 marks away from a grade 5.

GRADE BOUNDARIES

This tells you the grade allocation for the OCR Nov 2023 Paper 1.

Grade	Mark
5	60
4	45
3	32
2	19
1	5
U	0

TOPIC AREA DISTRIBUTION

This tells you how well you did for each topic area and which area had the most marks available.

Area	Marks	Total	%
Number	9	22	41%
Algebra	13	21	62%
Ratio & Proportion	13	22	59%
Geometry & Measure	8	19	42%
Probability	3	11	27%
Statistics	0	5	0%

ASSESSMENT OBJECTIVES

This tells you how well you did in,
AO1: using and applying techniques.
AO2: reasoning, interpreting, and communicating.
AO3: solving problems within context.

Objective	Marks	Total	%
AO1	26	43	60%
AO2	8	24	33%
AO3	12	33	36%

QUESTION ANALYSIS

This tells you the topics for each question, how many marks you received and which part of the video walkthrough you should watch. Look at the topics where you have lost the greatest number of marks and attempt the associated task.

Qs	Topic	Marks	MW
1a	Identify a pyramid	0 / 1	
1b	Identify a pentagon	0 / 1	
1c	Sketch a quadrilateral from its properties	0 / 1	
2a	Round to the nearest hundred	1 / 1	
2b	Round to the nearest penny	0 / 1	
3a	Identify a fraction of a shaded shape	1 / 1	
3b	Shade a fraction of a diagram	1 / 1	

Qs	Topic	Marks	MW
13	Percentage problem	1 / 4	
14	Recognise linear and cubic graphs	2 / 2	
15	Function machine problem	4 / 4	
16a	Multiply out brackets	2 / 2	
16b	Solve linear inequality	2 / 2	
16c	Solve a quadratic equation by factorising	3 / 3	
17a	Prime number explanation	1 / 1	

What actions should a student be taking at home?

- Each question is directly linked to a Mathswatch video clip
- If there is no suitable Mathswatch clip, a corbettmaths video clip has been linked instead
- We'll look at these websites in a little more detail.

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What actions should a student be taking at home?

- This student needs to practice Rounding to the Nearest Hundred. They can do that by visiting clip number 31 on Mathswatch.

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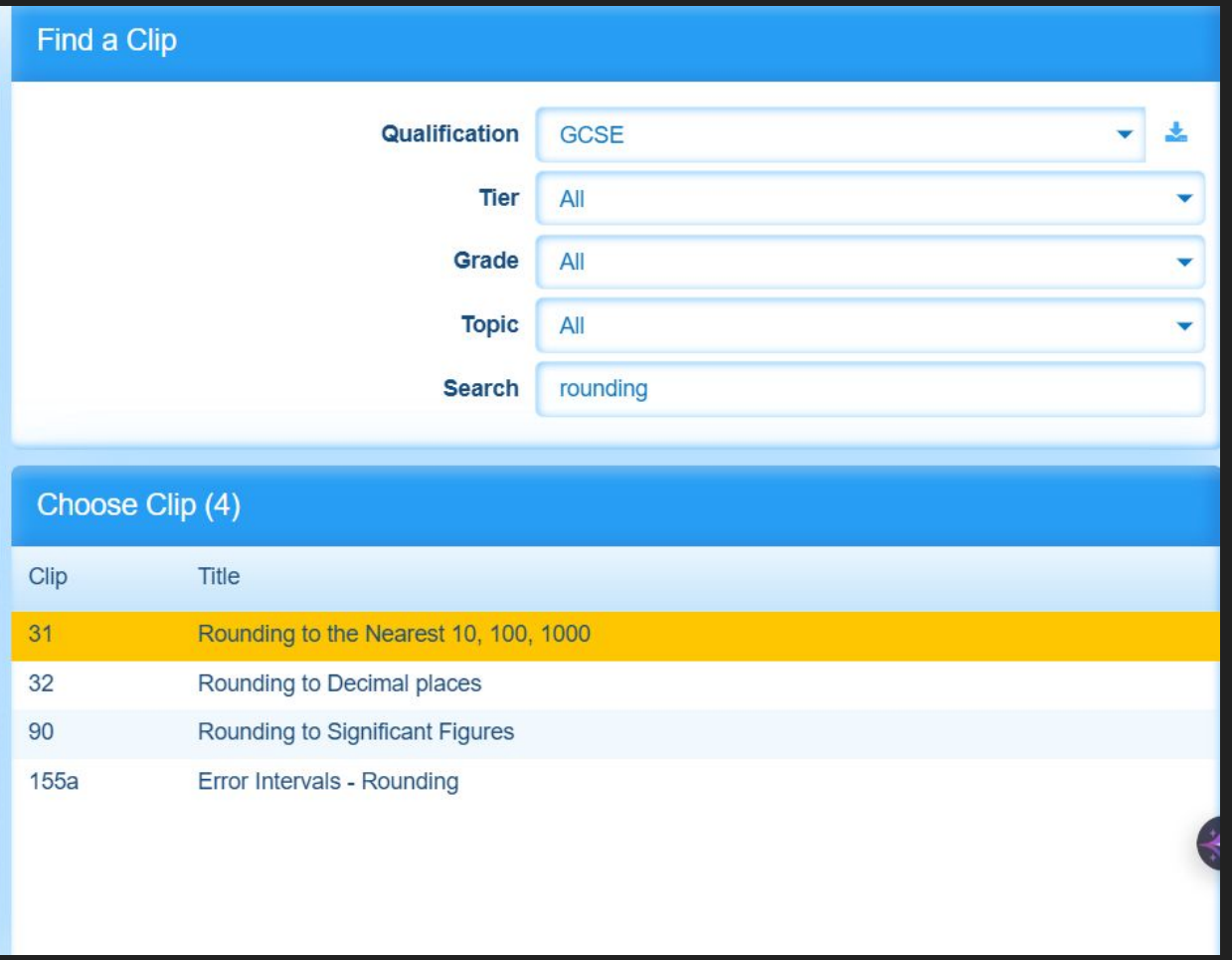
Students can find specific videos and questions to help improve

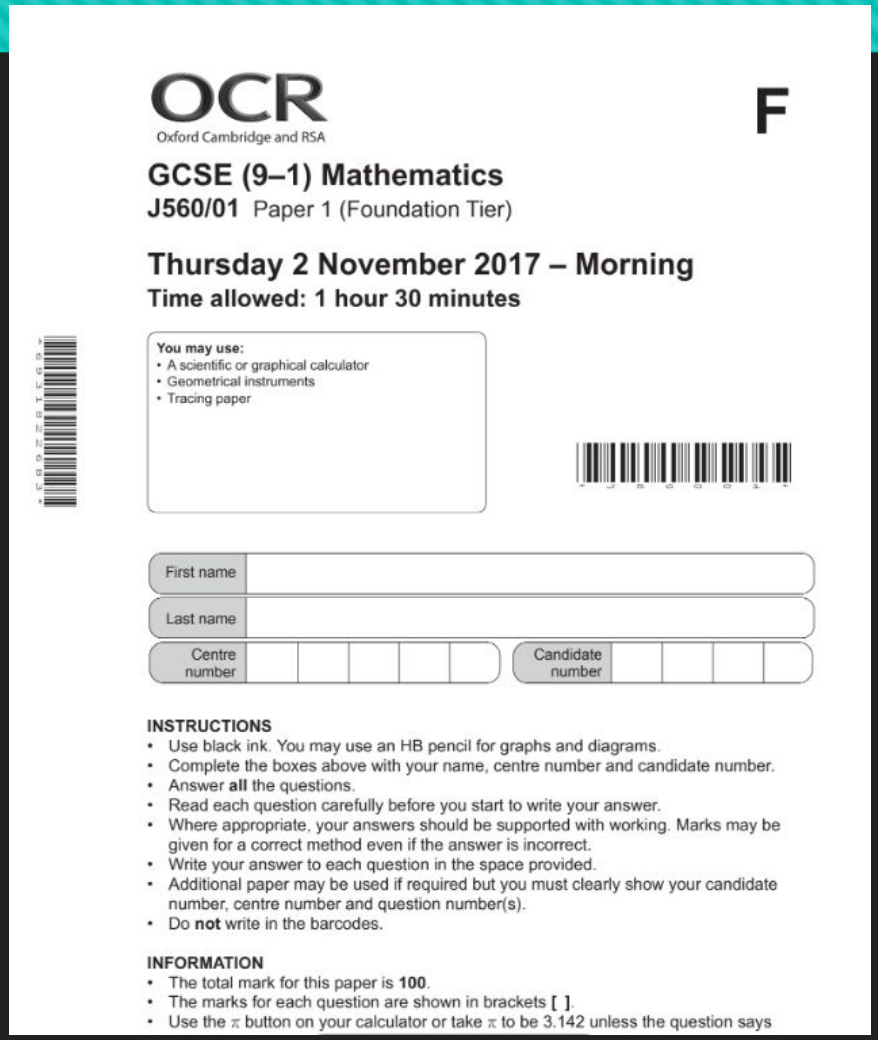


Ongoing revision/reviews

- Students can access Mathswatch all the way through the year and should include this in their revision schedules
- Mathswatch is extremely easy to search for content – all students learning objectives will link to a Mathswatch clip number

Consistent Past Paper Revision

- The most effective way for our students to revise is the use of past papers.
- Every student in our trust receives a past paper every 2 weeks.
- Expectations of how much a students should be aiming to complete may vary slightly depending on current level of understanding/targets
- The majority of our students will also be marking these papers upon completion – understanding the mark scheme is also really helpful in developing understanding!



OCR
Oxford Cambridge and RSA

F

GCSE (9–1) Mathematics
J560/01 Paper 1 (Foundation Tier)

Thursday 2 November 2017 – Morning
Time allowed: 1 hour 30 minutes

You may use:
- A scientific or graphical calculator
- Geometrical instruments
- Tracing paper

First name
Last name
Centre number
Candidate number

INSTRUCTIONS
- Use black ink. You may use an HB pencil for graphs and diagrams.
- Complete the boxes above with your name, centre number and candidate number.
- Answer **all** the questions.
- Read each question carefully before you start to write your answer.
- Where appropriate, your answers should be supported with working. Marks may be given for a correct method even if the answer is incorrect.
- Write your answer to each question in the space provided.
- Additional paper may be used if required but you must clearly show your candidate number, centre number and question number(s).
- Do **not** write in the barcodes.

INFORMATION
- The total mark for this paper is **100**.
- The marks for each question are shown in brackets **[ ]**.
- Use the π button on your calculator or take π to be 3.142 unless the question says

Mathswatch Revision Challenge

- The Mathswatch revision challenge will be launched in the build up to the December mocks.
- Involves 6 weeks of tasks (one small task every day) building up through the grades
- Revision Champions are nominated at the end of the challenged
- Highly incentivised

Assignment Title
Week 1a - Monday
Week 1b - Tuesday
Week 1c - Wednesday
Week 1d - Thursday
Week 1e - Friday
Week 2a - Monday
Week 2b - Tuesday
Week 2c - Wednesday
Week 2d - Thursday
Week 2e - Friday

Why complete Past Papers and HW

Homework & Past Paper Completion vs GCSE Grade

2024 – Set 4

Past Paper Completion	Homework Tasks completed	Average	Actual GCSE
100%	46%	73%	5
100%	26%	63%	5
28%	87%	58%	5
12%	99%	56%	5
22%	82%	52%	5
33%	48%	41%	5
28%	43%	36%	5
22%	48%	35%	4
28%	37%	33%	4
17%	42%	30%	5
33%	23%	28%	4
28%	27%	28%	5
6%	40%	23%	3
17%	25%	21%	5
17%	20%	19%	4
12%	23%	18%	4
17%	15%	16%	5
12%	18%	15%	4
12%	14%	13%	4
6%	19%	13%	4
0%	14%%	0%	4

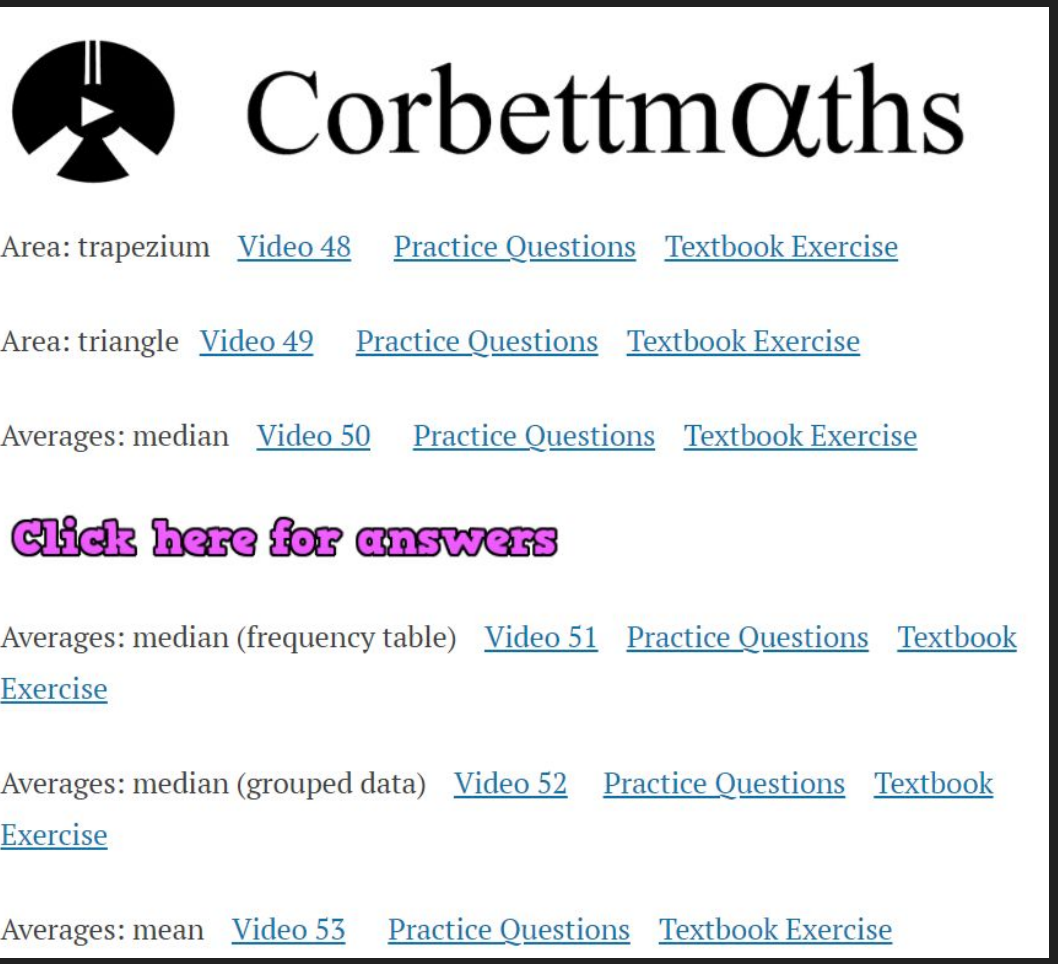
2024/2025 Year 11 Results

Set 5 – Aiming for Grade 4

Past Paper Completion	Online Homework Completion	Revision booklets completed	Revision Sessions Attended	Overall	Actual GCSE
50%	100%	100%	100%	87.50%	4
19%	100%	0	100%	55%	5
62.5%	25%	66%	15%	42.13%	4
69%	30%	0	50%	37.25%	4
19%	25%	0	100%	36%	4
6%	100%	0	0	26.50%	4
0	100%	0	0	25%	5
19%	23%	0	50%	23%	4
50%	13%	0	25%	22%	3
19%	10%	0	50%	19.75%	4
0%	43%	0	25%	17%	4
25%	10%	0	25%		

Other revision resources

- Corbettmaths.com – another free video site that has worksheets with answers provided
- Really great explanations



Corbettmaths

Area: trapezium Video 48 Practice Questions Textbook Exercise

Area: triangle Video 49 Practice Questions Textbook Exercise

Averages: median Video 50 Practice Questions Textbook Exercise

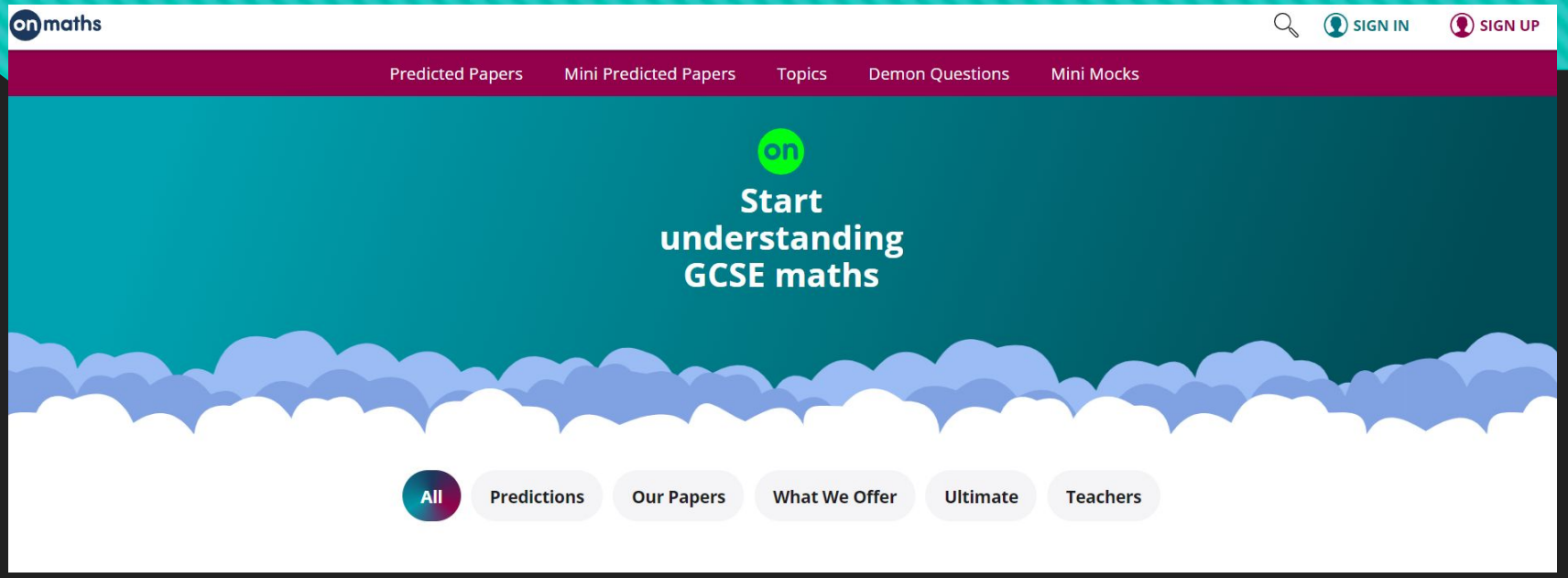
Click here for answers

Averages: median (frequency table) Video 51 Practice Questions Textbook Exercise

Averages: median (grouped data) Video 52 Practice Questions Textbook Exercise

Averages: mean Video 53 Practice Questions Textbook Exercise

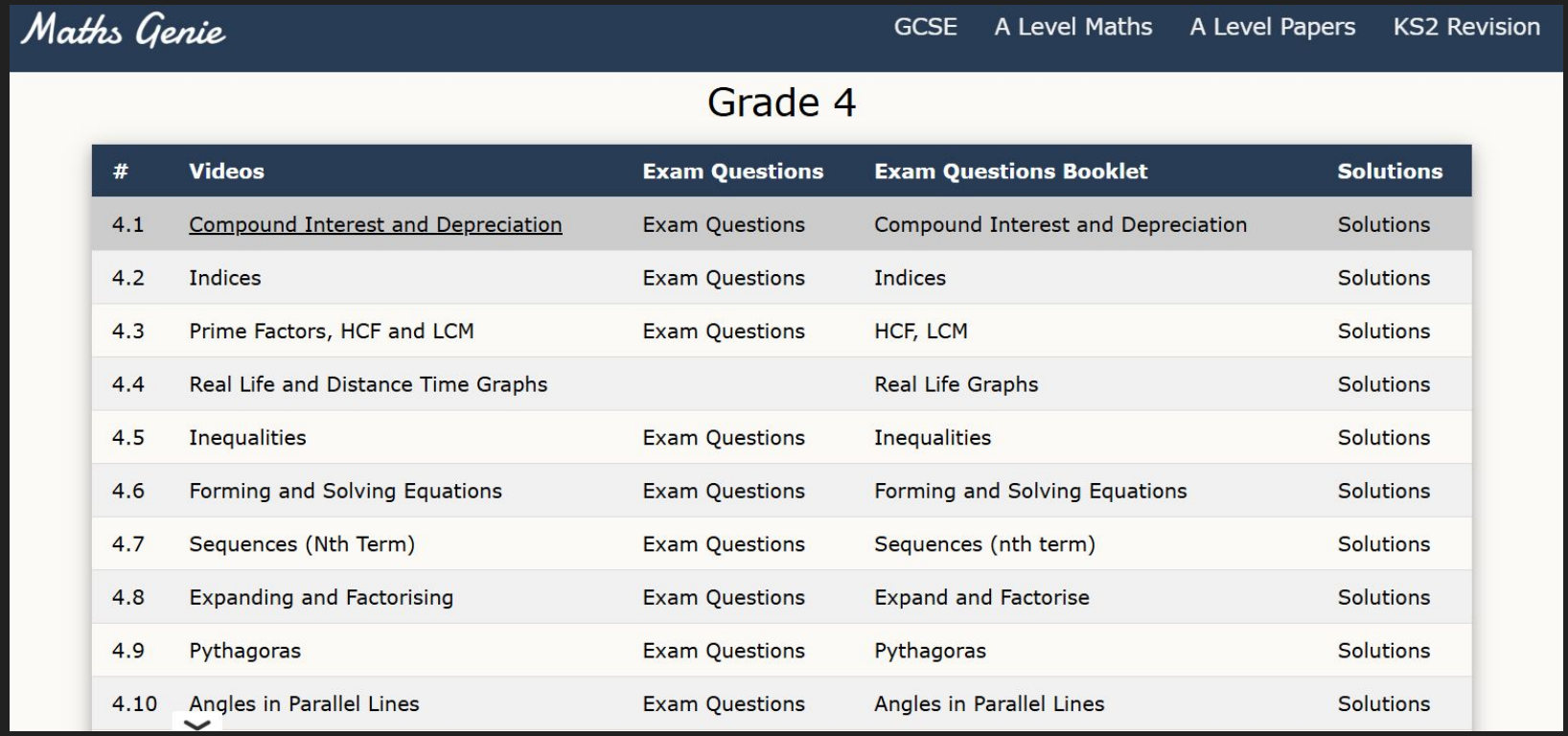
OnMaths



- Fantastic resource that produces online practice GCSE papers.
- Uses information from exam boards to produce ‘predicted papers’
- Gives students instant feedback
- Uses number generators so students can re-attempt questions that they have got wrong

MathsGenie – GCSE Graded Revision Resources

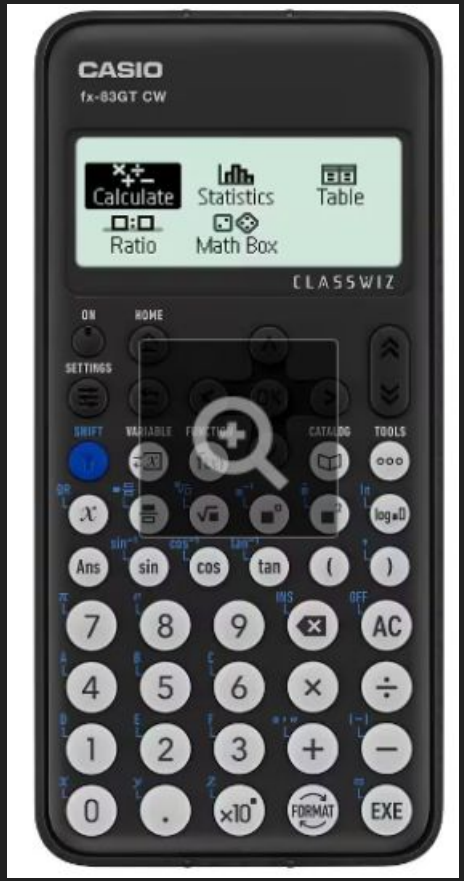
- Organised by topic and by grade – really good for taregted revision
- Exam questions are available that match our spec
- Solutions are available for all exam questions
- Video help available throughout



#	Videos	Exam Questions	Exam Questions Booklet	Solutions
4.1	Compound Interest and Depreciation	Exam Questions	Compound Interest and Depreciation	Solutions
4.2	Indices	Exam Questions	Indices	Solutions
4.3	Prime Factors, HCF and LCM	Exam Questions	HCF, LCM	Solutions
4.4	Real Life and Distance Time Graphs		Real Life Graphs	Solutions
4.5	Inequalities	Exam Questions	Inequalities	Solutions
4.6	Forming and Solving Equations	Exam Questions	Forming and Solving Equations	Solutions
4.7	Sequences (Nth Term)	Exam Questions	Sequences (nth term)	Solutions
4.8	Expanding and Factorising	Exam Questions	Expand and Factorise	Solutions
4.9	Pythagoras	Exam Questions	Pythagoras	Solutions
4.10	Angles in Parallel Lines	Exam Questions	Angles in Parallel Lines	Solutions

After School Revision/Intervention Sessions

- Maths Revision sessions take place every other Thursday after school with class teachers (unless otherwise discussed with students in individual classes)
- Tutor time intervention – already "Maths" specific tutor groups up and running
- Tutor time intervention – further bespoke revision sessions will be up and running soon where identified pupils will complete bespoke work based on weaknesses

To help our students progress…

- Every student needs to come to every lesson full equipped and we encourage pupils to have their own scientific calculator (pictured is the most up to date version of the one we have in school)
- 2/3 of the GCSE papers are calculator so it is imperative pupils are completing homework with these to replicate their exams