

Edexcel GCSE Mathematics

Students GCSE grades are made up from three exams

- focuses on Number, Algebra, Geometry, Measures, Statistics and Probability
- paper 1 is a non calculator paper
- papers 2 and 3 are calculator papers
- each paper is 1 hour and 30 minutes

Foundation papers cover grades 1 - 5

Higher papers cover grades 4 - 9

Exam Dates: *(these dates are provisional at the moment)*

- Paper 1 : 27th May 2021
- Paper 2 : 7th June 2021
- Paper 3: 21st June 2021

All students are now encouraged to continue studying Mathematics Post 16

4 routes

- **A level**
in either Mathematics or Mathematics and Further Mathematics
- **Professional Maths**
A blend of AS A Level Maths and Level 3 Core Maths
- **Level 3 Certificate in Core Mathematics**
- **GCSE Mathematics resit**

Students are expected to take the following equipment into the exam:

- Black pens (students must write in black ink)
- Sharpened pencils
- Eraser
- Ruler
- Compasses
- Protractor
- Calculator (Papers 2 and 3)



Students are recommended to have a scientific calculator that gives answers both in rationalised surd form and in decimal form.

PPEs (Pre-Public Examinations):

23rd November to 30th November 2020

8th March to 15th March 2021

These will assess students on all the topics completed since the beginning of the course.

exam success

Skill	MW	R	A	G	Revised?
Algebraic fractions	210				
Angle facts	120				
Approximation / Speed, distance, time	91				
Area of triangles & trapezia	53-56				
Area under graph					
Box plots	187				
Circle theorems	183				
Compound interest	164				
Congruence	166				
Direct and inverse proportion	199				
Enlargements	148				
Equation of a circle	197				
Expanding expressions	134				
Factorising	157				

Hegarty Maths
Clip Numbers

GCSE Mathematics – Exam Analysis

exam success

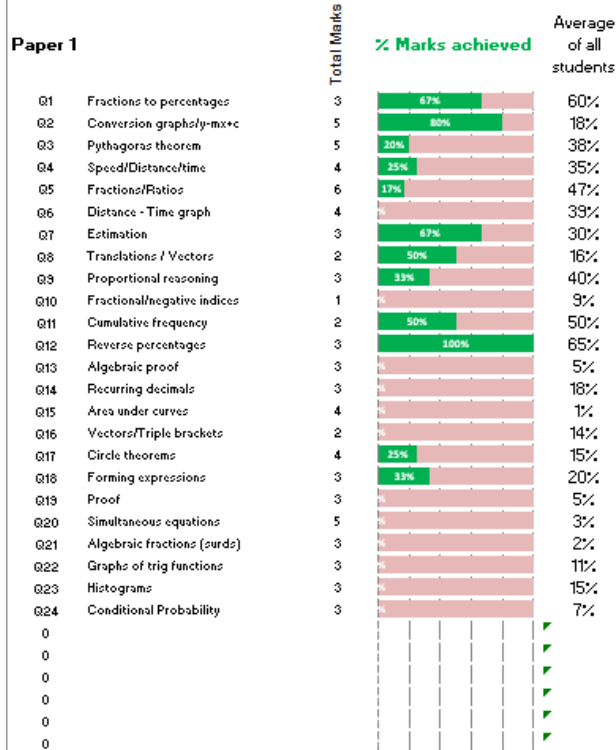
Student name:

Score: 81 out of 240 = 33.8%

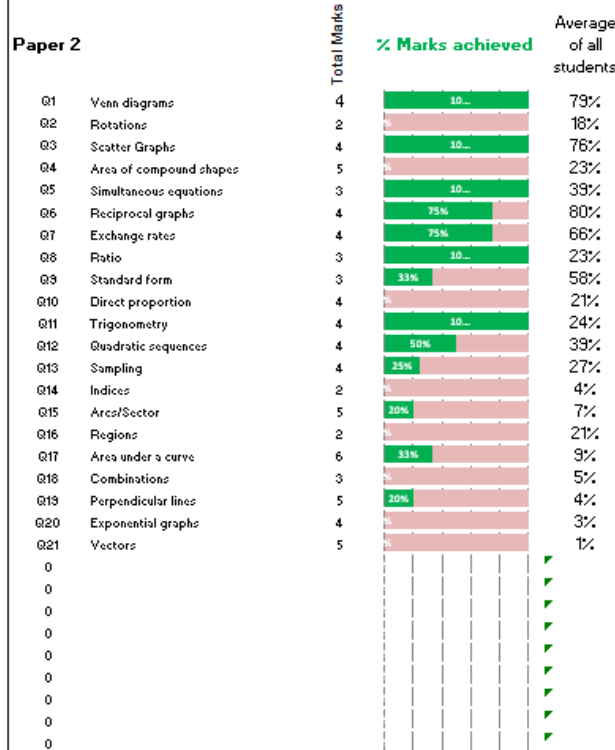
Overall Grade: 6

Question Level breakdown:

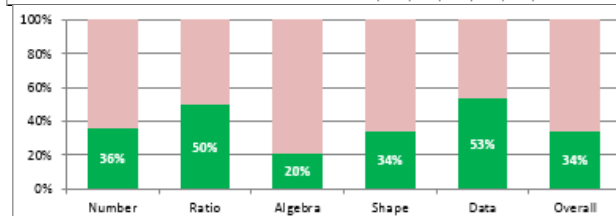
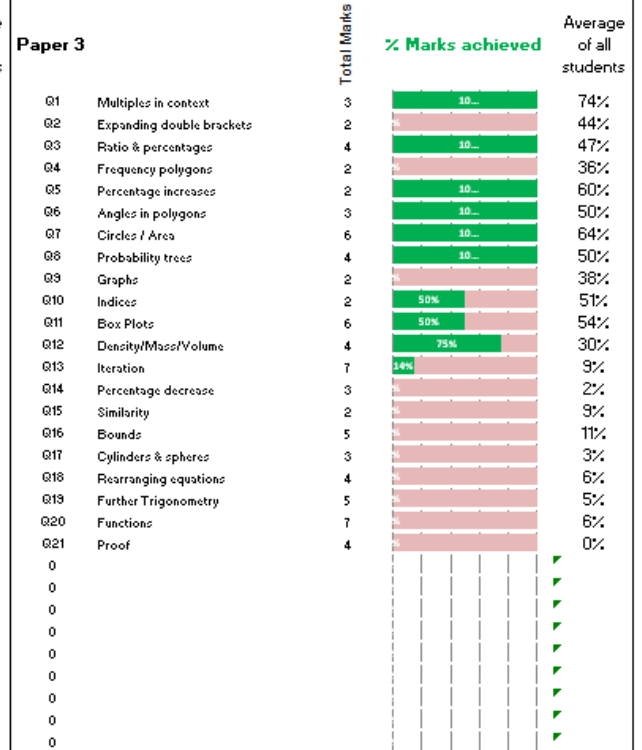
Paper 1



Paper 2



Paper 3



Success:

Target:

Reflection:



Perimeter (4)

Example
Work out the **perimeter** of this shape.

$2 \times 12 = 24m$

$8 + 5 + 5 + 8 = 26m$

551 - Perimeter (4)

Learn how to find the perimeter of a compound shape.

Video watched 0.00x

Your score **New lesson** HegartyMaths avg 60%

Do quiz

Step 1:

Video where Mr. Hegarty teaches your child everything they need to know about that topic & goes through all the examples that will be in the quiz.

Step 2:

Quiz that will allow your child to practise all the examples in the video for themselves and know whether they understood what was in the video.

exam success

Geometry & measure > Area > 555 - Compound shapes > Quiz

1 of 8

Work out the area of the shaded shape.

The diagram is not drawn to scale.

1 cm²

Do not use a calculator

Get help

Report a mistake to HegartyMaths

Quit assessment

On-screen keypad

Check

Skip

Geometry & measure > Area > 555 - Compound shapes > Quiz

1 of 8

Work out the area of the shaded shape.

3cm

4cm

11cm

6cm

Do not use a calculator

Get help

Report a mistake to HegartyMaths

Quit assessment

On-screen keypad

Check

Skip

Click here to get a walk-through of a really similar example from the video!

Compound shapes

Area - compound shapes

Area - Compound shapes

Example

Work out the area of this shape.

2cm

3cm

11cm

4cm

MORE VIDEOS

1:11 / 9:18

YouTube

Past papers will be issued as homework.

Week Commencing	Paper Issued – Via Email and Google Classroom
19/10/20	Set 1 Paper 1
HALF TERM	
02/11/20	Set 1 Paper 2
09/11/20	Set 1 Paper 3
YEAR 11 PPE1	
07/12/20	Set 2 Paper 1
14/12/20	Set 2 Paper 2
CHRISTMAS HOLIDAYS	

GCSE Mathematics Practice Tests: Set 1

Paper 1H (
Time: 1 hour 30

You should have: Ruler
protractor, pair of compasses

Issued: W/C

GCSE Mathematics Practice Tests: Set 1

Paper 2H (
Time: 1 hour 30

You should have: Ruler
protractor, pair of compasses

Issued: W/C

GCSE Mathematics Practice Tests: Set 1

Paper 3H (Calculator)

Time: 1 hour 30 minutes

You should have: Ruler graduated in centimetres and millimetres,
protractor, pair of compasses, pen, HB pencil, eraser, calculator.

Issued: W/C 20.03.17 Due: W/C 27.03.17

exam success

Past Paper Set 1 1F QLA

Question	Topic	Marks	My Score	Silly Mistakes	Hegarty
1	Fraction of an Amount	3			77
2	Money Calculations	3			743
3	Simplifying Expressions	3			156/157
4	Place Value and Rounding	2			17
5	Probability	4			351/352
6	Money Calculations	3			743-750
7	Ratio and Fractions	3			330
8	Probability	3			351/352
9	Fractions and Decimals	4			73/74
10	Types of Angles	3			481-483
11	Timetables	6			
12	Compound Measures	5			716-724
13	Sequences	4			196-198
14	LCM	3			34-36
15	Expand and Factorise Brackets	4			162-164, 168-169
16	HCF and LCM	4			31-36

Each question
has
HegartyMaths
clip numbers

exam success

Revision Websites

Access Maths

<http://www.accessmaths.co.uk/>

Maths Genie

<https://www.mathsgenie.co.uk/gcse.html>

exam success

Maths Genie

Grade 4

Topic	Example(s)	Exam Questions	Solutions
Compound Interest and Depreciation	Revision	Compound Interest and Depreciation	Solutions
Indices	Revision	Indices	Solutions
HCF and LCM	Revision	HCF, LCM	Solutions
Functional Maths Questions		Functional Questions	Solutions
Inequalities	Revision	Inequalities	Solutions
Forming and Solving Equations	Revision	Forming and Solving Equations	Solutions

Maths Genie

1. Toby invested £4500 for 2 years in a savings account.
He was paid 4% per annum compound interest.

How much did Toby have in his savings account after 2 years?

£

(Total 3 marks)

Within each exam there are functional skills questions which are identifiable by the use of * next to the question number. These require students to apply the functional elements of mathematics to solve problems in real life situations. In these questions students will be assessed on their ability to:

- write legibly, with accurate use of spelling, grammar and punctuation in order to make the meaning clear
- select and use a form and style of writing appropriate to purpose and to complex subject matter
- organise relevant information clearly and coherently, using specialist vocabulary when appropriate.