Please check the examination details below before entering your candidate information

Candidate surname	Other names

Centre Number | Candidate Number

Spring 2026

Pearson Edexcel Level 1/Level 2 GCSE (9–1)

AIMING FOR GRADE 5

29 marks (30 minutes)

Paper reference **1MA1/3H**

Mathematics

Paper 3 (Calculator)
Higher Tier

You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB or B pencil, eraser, calculator, Formulae Sheet (enclosed). Tracing paper may be used.

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
  – *there may be more space than you need.*
- You must **show all your working.**
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- **Calculators may be used.**

Information

- The total mark for this paper is 29. There are 11 questions.
- Questions have been broadly arranged in an ascending order of mean difficulty, as found by students achieving Grade 5 in the Summer and November 2025 examinations.
- Questions marked with an asterisk (*) also appear on the Foundation Tier paper.
- The marks for **each** question are shown in brackets
  – *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

Answer all questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 (a) Write 5.73×10^6 as an ordinary number.

.....

(1)

(b) Write 0.035 in standard form.

.....

(1)

(Total for Question 1 is 2 marks)

*** 2** (i) Work out the value of $\sqrt{\frac{93-8.1}{34+7.7}}$

Write down all the figures on your calculator display.

.....

(2)

(ii) Write your answer to part (i) correct to 3 significant figures.

.....

(1)

(Total for Question 2 is 3 marks)

*** 3** Karim rounds a number, n, to 1 decimal place.
The result is 23.8

Complete the error interval for n.

..... $\leqslant n <$ .....

(Total for Question 3 is 2 marks)

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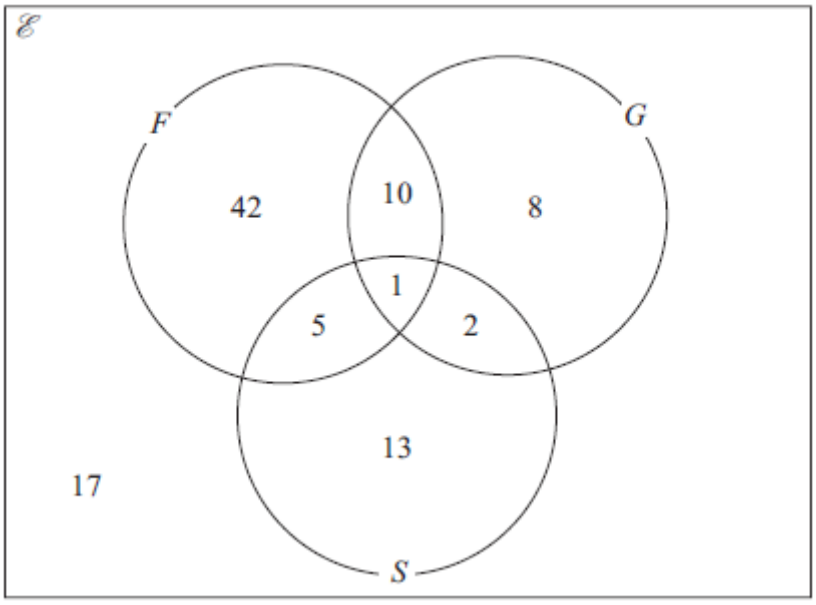
4 Imran asks 100 people if they speak French or German or Spanish.
He draws a Venn diagram to give information about his results.

Here is Imran's diagram.

$\mathscr{E}$ = {all 100 people}
F = {people who speak French}
G = {people who speak German}
S = {people who speak Spanish}



The diagram is not fully correct.

(a) Explain why the diagram cannot be fully correct.

.....

.....

.....

Total for Question 4 is 1 mark)

*** 5** (a) Calculate the value of $\dfrac{8.4\times10^4}{3.2\times10^5}$

Give your answer in standard form.

.....

(2)

$y = 0.83$ correct to 2 decimal places.

(b) Complete the error interval for y.

..... $\leq y <$ .....

(2)

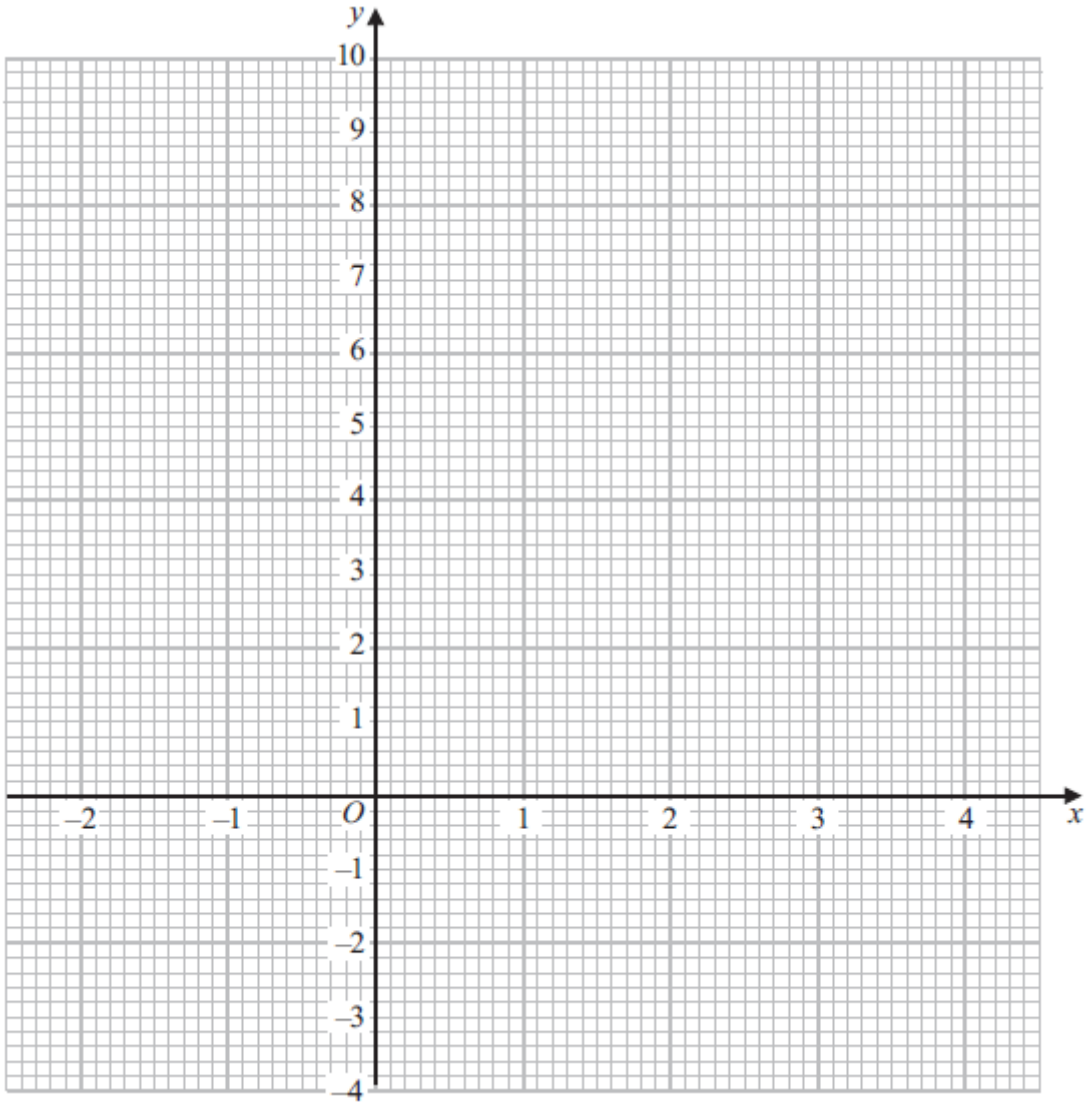
(Total for Question 5 is 4 marks)

*** 6** (a) Complete the table of values for $y = x^2 - 2x - 1$

x	–2	–1	0	1	2	3	4
y		2			–1		7

(2)

(b) On the grid, draw the graph of $y = x^2 - 2x - 1$ for values of x from –2 to 4



(2)

.

(Total for Question 6 is 4 marks)

7 $\dfrac{3^n \times 3^{20}}{3^8} = 3^{14}$

Find the value of n.

$n =$ .....

(Total for Question 7 is 2 marks)

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8 Use your calculator to work out $\dfrac{\left(1.8^3 \times \cos 35°\right)^2}{\sqrt[3]{17.4 - \tan 85°}}$

Give your answer correct to 3 significant figures.

.....

(Total for Question 8 is 2 marks)

*** 9** Ben is trying to make m the subject of $p = \frac{m}{3} + 5$

Here is his working.

$$p - 5 = \frac{m}{3}$$
$$3 \times p - 5 = m$$
$$m = 3p - 5$$

Ben's answer is wrong.

(a) What mistake has Ben made?

.....

.....

.....

(Total for Question 9 is 1 mark)

*** 10** Mia pays £25 for 200 oranges.

Mia puts the oranges into bags.
She puts 5 oranges into each bag.

Mia sells all the bags of oranges for £1 each bag.

Work out Mia's percentage profit.

.....%

(Total for Question 10 is 3 marks)

*** 11** Two numbers are in the ratio 5 : 3
The difference between the two numbers is 18

(a) Find the two numbers.

..... , ...

(2)

Three numbers are in the ratio 4: 7: 2
The largest number is 210

(b) Find the sum of these three numbers.

.....

(3)

(Total for Question 11 is 5 marks)

TOTAL FOR PAPER IS 29 MARKS