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

31 marks (30 minutes)

Paper reference **1MA1/2H**

Mathematics

PAPER 2: (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 31. There are 10 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** Sid, Tam and Musa share £6900 in the ratio 2 : 3 : 5

Work out how much money each person receives.

Sid £.....

Tam £.....

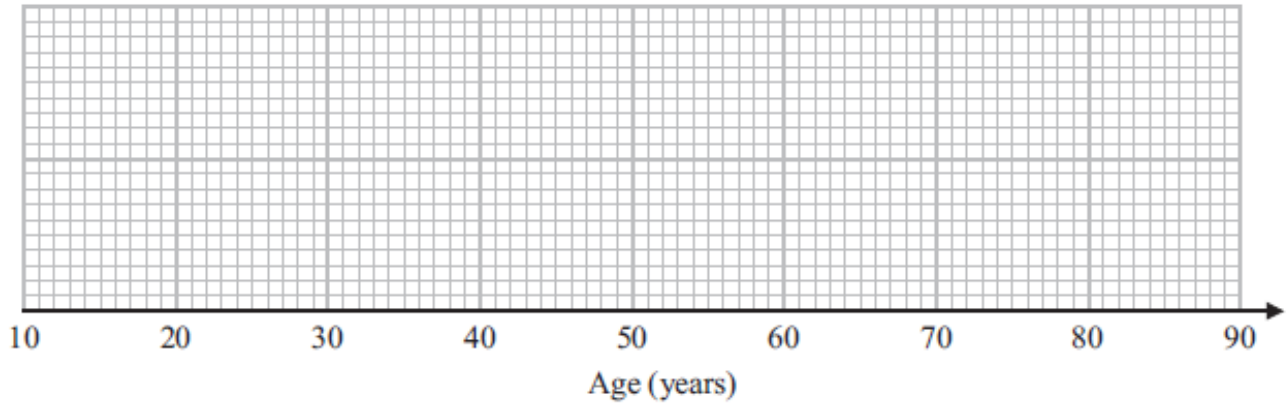
Musa £.....

(Total for Question 1 is 3 marks)

2 The table gives some information about the ages, in years, of 32 actors.

Lowest age	21
Highest age	80
Lower quartile	31
Upper quartile	42
Median	35

(a) Draw a box plot to represent this information.



(Total for Question 2 is 3 marks)

*** 3** a) Express 250 as a product of its prime factors.

.....

(2)

(b) Find the lowest common multiple (LCM) of 30 and 25

.....

(2)

(Total for Question 3 is 4 marks)

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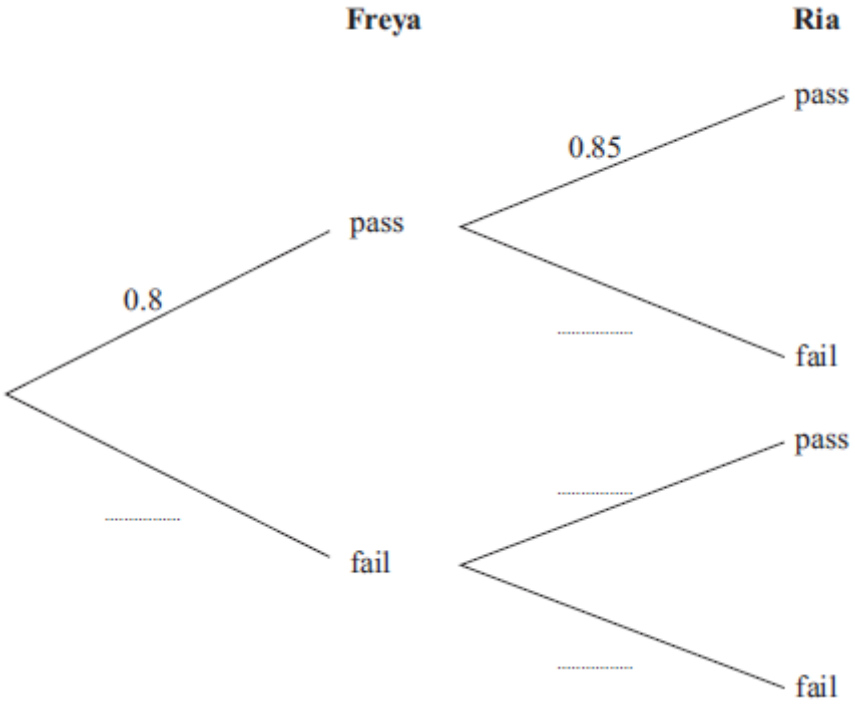
4 Freya and Ria each do an exam.

The probability that Freya will pass the exam is 0.8
The probability that Ria will pass the exam is 0.85

(a) Complete the probability tree diagram.



(2)

(b) Work out the probability that only one of Freya or Ria will pass the exam.

.....

(3)

(Total for Question 4 is 5 marks)

*** 5** (a) Write 5.63×10^7 as an ordinary number.

.....

(1)

(b) Write $0.000\,035\,4$ in standard form.

.....

(1)

(Total for Question 5 is 2 marks)

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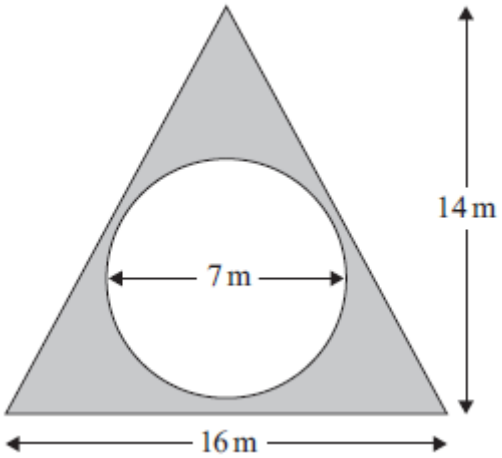
6 Expand and simplify $(x + 4)(x - 3)(x + 6)$

.....

(Total for Question 6 is 3 marks)

*** 7** Here is a plan of part of Macsen's garden.

There is a circle inside a triangle.
The circle has a diameter of 7 m.



Macsen will cover the shaded area with gravel.

Gravel is sold in bags.
Each bag of gravel covers an area of 12.5 m^2

(a) Work out the number of bags of gravel Macsen will need.

..... bags
(4)

Macsen finds that each bag of gravel only covers an area of 11 m^2

(b) How does this affect your answer to part (a)?

.....

.....

.....

(1)

(Total for Question 7 is 5 marks)

8 The table shows information about the weights of 300 pumpkins.

Weight (w kilograms)	**Frequency**
$0 < w \leq 5$	25
$5 < w \leq 10$	40
$10 < w \leq 15$	130
$15 < w \leq 20$	55
$20 < w \leq 25$	30
$25 < w \leq 30$	20

Complete the cumulative frequency table for this information.

Weight (w kilograms)	**Cumulative frequency**
$0 < w \leq 5$	
$0 < w \leq 10$	
$0 < w \leq 15$	
$0 < w \leq 20$	
$0 < w \leq 25$	
$0 < w \leq 30$	

(Total for Question 8 is 1 mark)

9 Here are four equations.

A $y = 4x$ **B** $y = 5x + 3$

C $y = \frac{5}{x}$ **D** $y = 3x^2$

The table gives two statements about x and y.

Statement	Equation
y is directly proportional to x	
y is inversely proportional to x	

Match each statement to the letter of the equation that represents the statement.

(Total for Question 9 is 2 marks)

10 Show that $(2x + 3)(x – 1)(x + 2)$ can be written in the form $ax^3 + bx^2 + cx + d$ where a, b, c and d are integers.

(Total for Question 10 is 3 marks)

TOTAL FOR PAPER IS 31 MARKS