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 6

32 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 32. There are 10 questions.
- Questions have been broadly arranged in an ascending order of mean difficulty, as found by students achieving Grade 6 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.

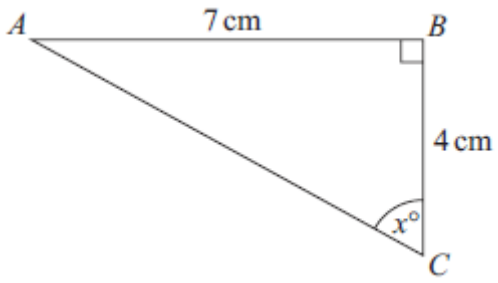
You must write down all the stages in your working.

1 Solve $\frac{14-x}{3} = 3x$

$x =$ .....

(Total for Question 1 is 2 marks)

*** 2** ABC is a right-angled triangle.



Calculate the value of x.

Give your answer correct to 1 decimal place.

$x =$ .....

(Total for Question 2 is 2 marks)

*** 3** Here are two lists of numbers.

List **A**	276	400	157	139		
List **B**	530	500	270	x	440	320

mean of list **A** : mean of list **B** = 3 : 5

Work out the value of x.

x = ...

(Total for Question 3 is 5 marks)

*** 4** There are only black pens, green pens, red pens, pink pens and orange pens in a box.
Kate is going to take at random a pen from the box.

The table shows the probability that the pen will be red.

Colour	black	green	red	pink	orange
Probability			0.27		

number of black pens : number of green pens : number of red pens = 5 : 2 : 3

The number of pink pens is four times the number of orange pens.

Work out the probability that the pen will be black or pink.

.....

(Total for Question 4 is 5 marks)

*** 5** $A = 2 \times 15$
$B = 8 \times 5 \times 7$

Write AB as a product of its prime factors.

.....

(Total for Question 5 is 2 marks)

6 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

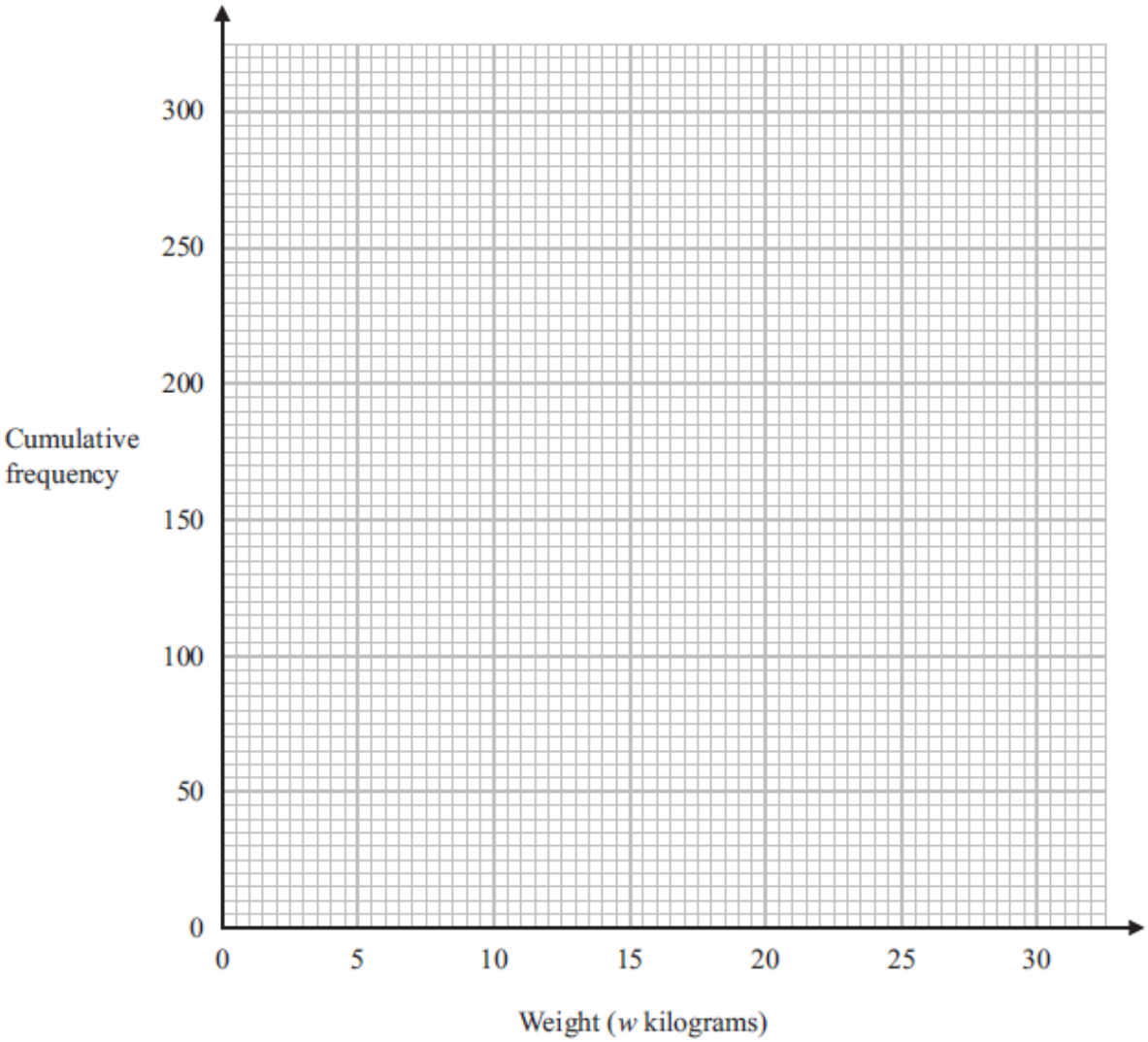
(a) Complete the cumulative frequency table for this information.

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

(1)

(b) On the grid opposite, draw a cumulative frequency graph for your table.

(2)



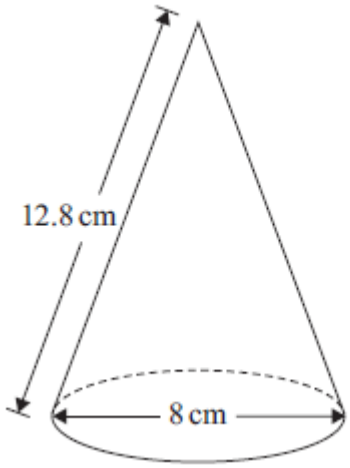
(c) Use your graph to calculate an estimate for the percentage of the 300 pumpkins that have a weight greater than 18 kilograms.
You must show how you get your answer.

.....%

(3)

(Total for Question 6 is 6 marks)

*** 7** The diagram shows a solid cone.



Curved surface area of cone = πrl

Calculate the total surface area of the cone.
Give your answer correct to 3 significant figures.

..... cm^2

(Total for Question 7 is 3 marks)

*** 8** Metal rods are made from steel with density 8 g/cm^3
Each metal rod has a volume of 1500 cm^3

The maximum mass of metal rods that can be put on a trolley is 300 kg.

Work out the greatest number of metal rods that can be put on the trolley.

.....

(Total for Question 8 is 3 marks)

9 Reggie has to solve the inequality $5 < 4x - 6 < 12$

Here is his working.

$$5 < 4x < 12 + 6$$

$$5 \div 4 < x < 18 \div 4$$

$$1.25 < x < 4.5$$

Reggie's working is wrong.

Describe a mistake Reggie has made in his working.

.....

.....

.....

(Total for Question 9 is 1 mark)

*** 10** Trains to London leave a train station every 26 minutes.
Trains to Cardiff leave the same train station every 30 minutes.

A train to London and a train to Cardiff both leave the train station at 7 45 am.

Show that the next time a train to London and a train to Cardiff both leave the train station at the same time is after 2 pm.

(Total for Question 10 is 3 marks)

TOTAL FOR PAPER IS 32 MARKS