Please check the examination details below before entering your candidate information

Candidate surname	Other names

Centre Number | Candidate Number

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

Wednesday 5 November 2025

Morning (Time: 1 hour 30 minutes)

Paper reference **1MA1/1F**

Mathematics

PAPER 1 (Non-Calculator)

Foundation Tier

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

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- If pencil is used for diagrams/sketches/graphs it must be dark (HB or B).
- **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 not be used**.

Information

- The total mark for this paper is 80
- 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.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ▶

P78235A

M:1/1/1/1/1/1/

P 7 8 2 3 5 A 0 1 2 4

Pearson

Answer ALL questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 Find $\frac{1}{4}$ of 20

.....

(Total for Question 1 is 1 mark)

2 Write $\frac{3}{10}$ as a decimal.

.....

(Total for Question 2 is 1 mark)

3 Write down the value of $\sqrt{36}$

.....

(Total for Question 3 is 1 mark)

4 Write down the first two multiples of 7

..... , ...

(Total for Question 4 is 1 mark)

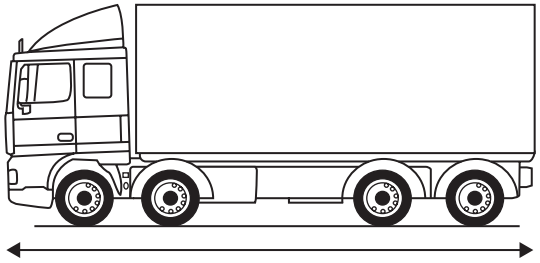
5 91% of the counters in a bag are red.

What percentage of the counters in the bag are **not** red?

.....%

(Total for Question 5 is 1 mark)

6 The accurate scale drawing shows a lorry.



The scale of the drawing is 1 centimetre represents 2 metres.

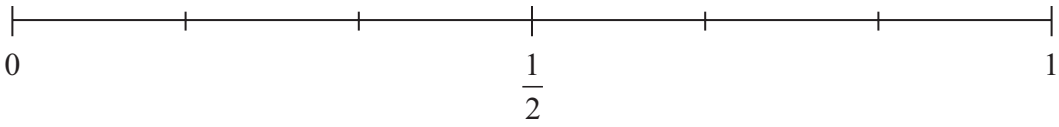
Work out the length of the real lorry.
Give your answer in metres.

..... metres

(Total for Question 6 is 3 marks)

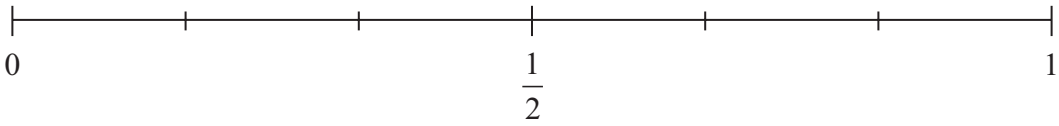
7 Dylan chooses at random a letter from the word CIRCLE.

(a) On the probability scale below, mark with a cross (×) the probability that Dylan chooses the letter C.



(1)

(b) On the probability scale below, mark with a cross (×) the probability that Dylan chooses the letter B.



(1)

(Total for Question 7 is 2 marks)

8 Haashir buys

2 loaves of bread for £1.10 each
1 block of cheese for £2.35
2 identical packs of meat

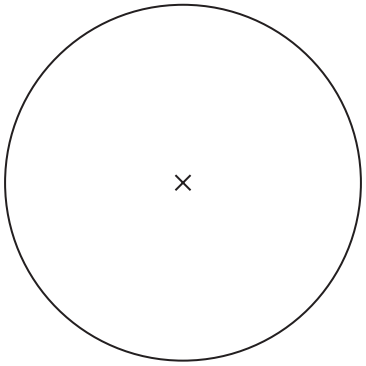
Haashir pays with a £10 note.
He gets 95p change.

Work out the cost of 1 pack of meat.

£.....

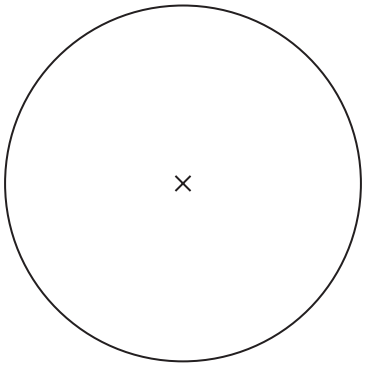
(Total for Question 8 is 3 marks)

9 (a) On the circle below, draw a radius.



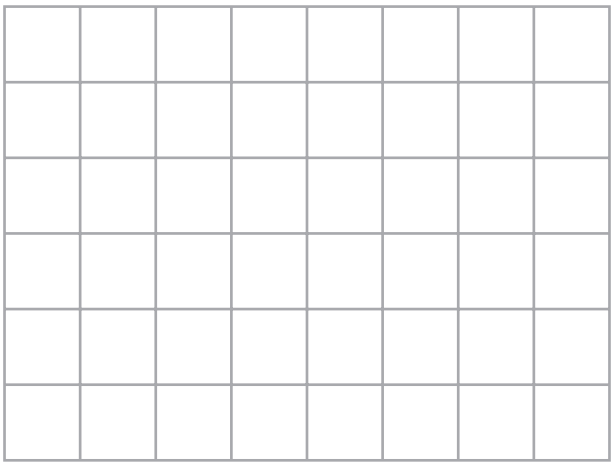
(1)

(b) On the circle below, draw a chord.



(1)

(c) On the grid below, draw a trapezium.



(1)

(Total for Question 9 is 3 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

10 (a) Work out 245×37

.....

(2)

(b) Work out $570 \div 15$

.....

(2)

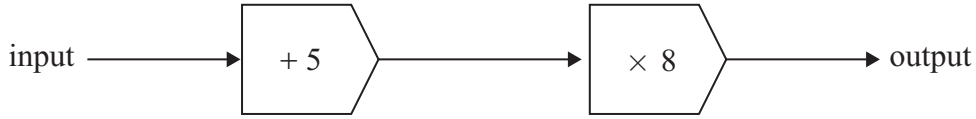
(Total for Question 10 is 4 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

11 Here is a number machine.



(a) Find the output when the input is 2

.....

(1)

(b) Find the output when the input is −3

.....

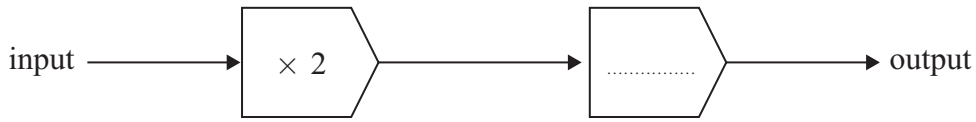
(1)

(c) Find the input when the output is 64

.....

(2)

Here is a different number machine.



When the input is 3 the output is 18

(d) Complete the number machine.

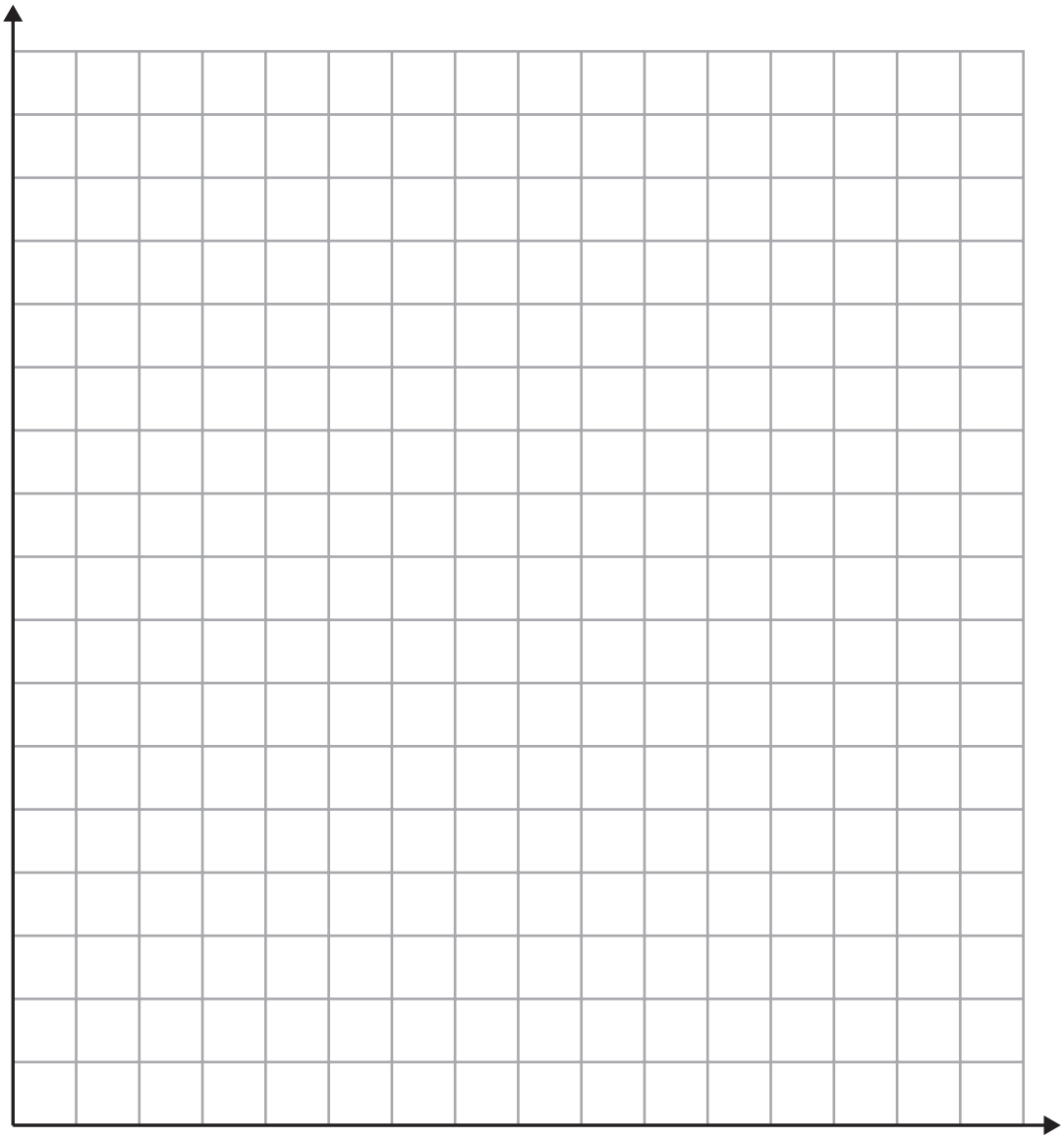
(1)

(Total for Question 11 is 5 marks)

12 The table shows information about the favourite pets of students in Year 7 and Year 8

Favourite pet	Year 7	Year 8
Dog	15	10
Cat	8	13
Rabbit	2	6
Hamster	5	1

On the grid, draw a suitable diagram to show this information.



(Total for Question 12 is 4 marks)

13 (a) Work out $\frac{7}{12} + \frac{1}{3}$

.....

(2)

(b) Work out $\frac{2}{5} \times \frac{3}{8}$

Give your answer as a fraction in its simplest form.

.....

(2)

(Total for Question 13 is 4 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

14 (a) Solve $\frac{x}{5} - 2 = 4$

$x =$ .....

(2)

(b) Solve $3(7y + 2) = 27$

$y =$ .....

(2)

(Total for Question 14 is 4 marks)

15 2 kg of oranges cost £4.50
3 kg of oranges and 3 kg of bananas cost £9.15

Work out the cost of 1 kg of bananas.
Give your answer in pounds.

£.....

(Total for Question 15 is 3 marks)

16 The bearing of Port **A** from Port **B** is 120°

Work out the bearing of Port **B** from Port **A**.

.....°

(Total for Question 16 is 2 marks)

DO NOT WRITE IN THIS AREA

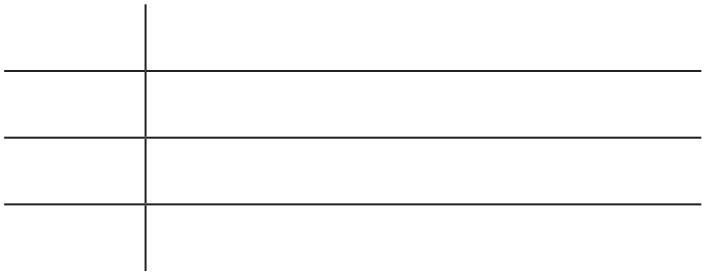
DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

17 Here are the weights, in kg, of 15 babies born one day.

3.2	4.5	2.8	3.4	4.1
4.0	5.0	5.2	3.5	3.7
4.1	4.9	3.5	3.9	3.8

(a) Show this information in a stem and leaf diagram.



(3)

(b) Find the range of the weights.

..... kg

(1)

(Total for Question 17 is 4 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

18 Here is a recipe for making 12 flapjacks.

Ingredients for 12 flapjacks

250 g oats
120 g butter
120 g sugar
2 tablespoons of syrup

Josiah wants to make 30 flapjacks.

Work out how much of each ingredient he needs.

oats ..... g

butter ..... g

sugar ..... g

syrup ..... tablespoons

(Total for Question 18 is 3 marks)

19 (a) Expand and simplify $5(x + 6) + 2(7 - x)$

.....

(2)

(b) Factorise fully $9y^2 - 15y$

.....

(2)

(c) Write down the value of 2^0

.....

(1)

(Total for Question 19 is 5 marks)

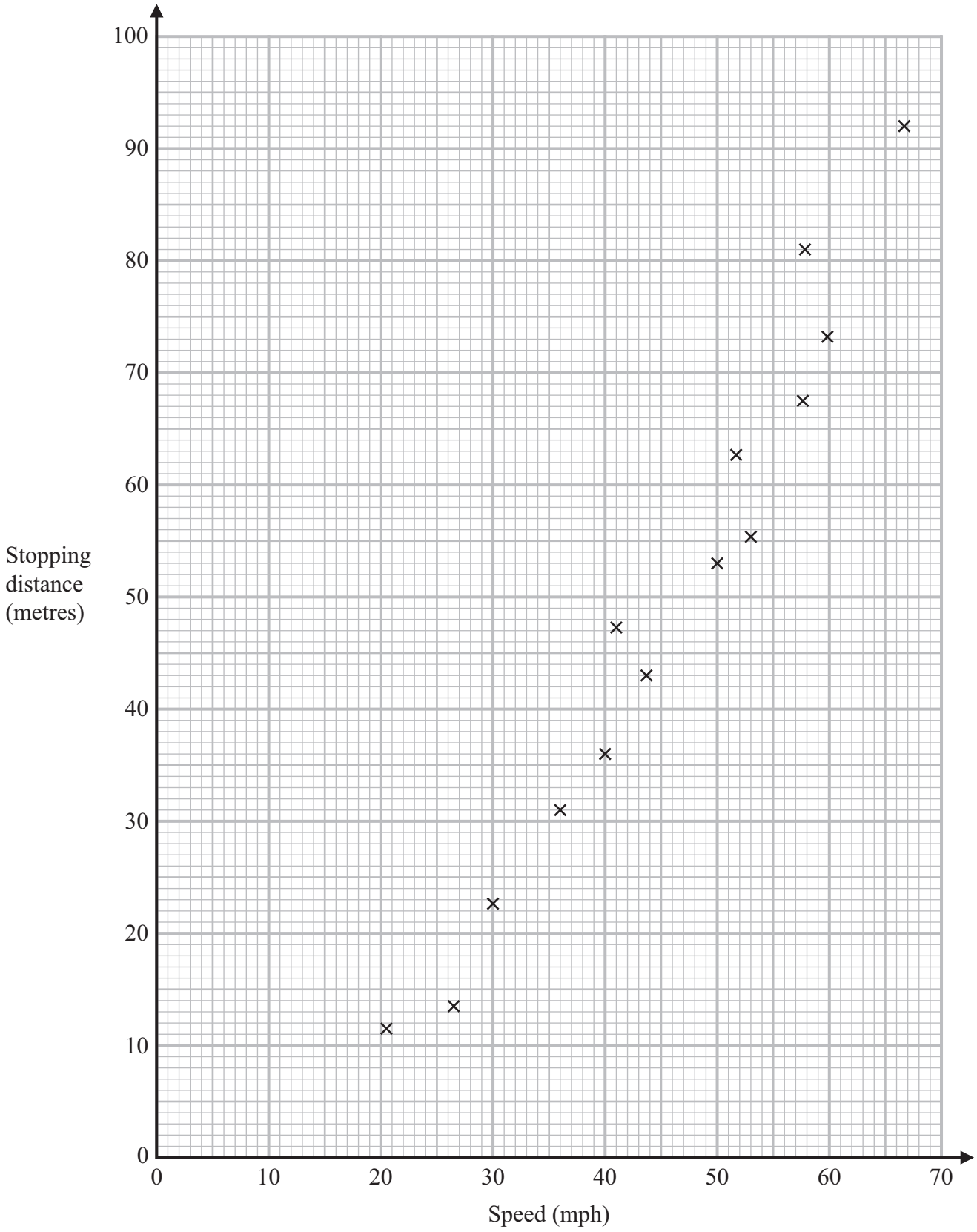
20 Ian cycled 44 kilometres in 2 hours and 12 minutes.

Work out Ian's average speed.
Give your answer in kilometres per hour.

..... kilometres per hour

(Total for Question 20 is 3 marks)

21 The scatter graph shows the stopping distances for some cars travelling at different speeds.



(a) What type of correlation does the scatter graph show?

.....

(1)

Another car is travelling at a speed of 55 mph.

(b) Estimate the stopping distance for this car.

..... metres

(2)

Sanar says,

"It would not be sensible to use the scatter graph to estimate the stopping distance of a car travelling at a speed of 10 mph, because the estimate would not be reliable."

(c) Is Sanar correct?
You must give a reason for your answer.

.....

.....

.....

(1)

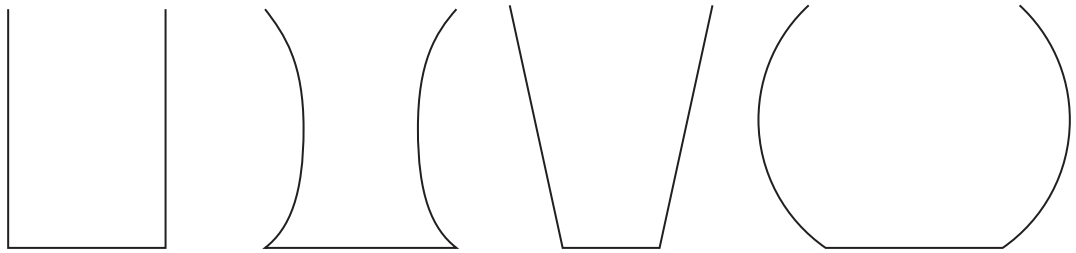
(Total for Question 21 is 4 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

22 **A**, **B**, **C** and **D** are four containers.

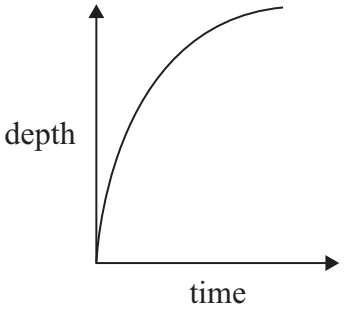


A **B** **C** **D**

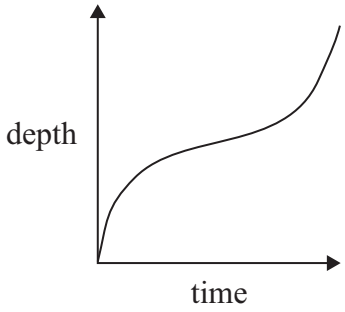
Water is poured into the containers at a constant rate.

The sketch graphs below show the depth of water in each container, t seconds after the water starts to be poured.

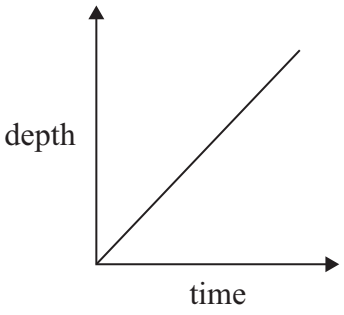
Graph 1



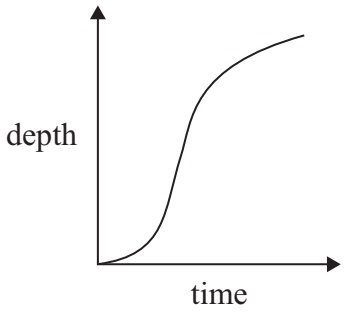
Graph 2



Graph 3



Graph 4

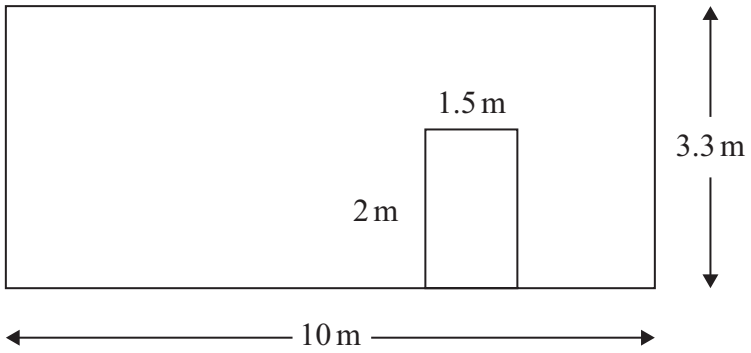


Match each graph to the correct container.

Container	Graph
A	
B	
C	
D	

(Total for Question 22 is 2 marks)

23 The diagram shows a rectangular wall, 10 metres by 3.3 metres.
A rectangular door in the wall is 2 metres by 1.5 metres.



Zac is going to mix yellow paint and blue paint in the ratio 1 : 4 to paint the wall.
He will **not** paint the door.

Zac assumes 1 litre of paint will cover $10\,m^2$

Yellow paint is sold in 1 litre tins costing £4.75 each.
Blue paint is sold in 1 litre tins costing £5.50 each.

Zac has £20 to buy paint.

(a) Does Zac have enough money to buy all the paint he needs?
You must show all your working.

(5)

Zac's assumption is wrong, and 1 litre of paint will cover more than $10\,m^2$

(b) How might this affect your answer to part (a)?
You must explain your answer.

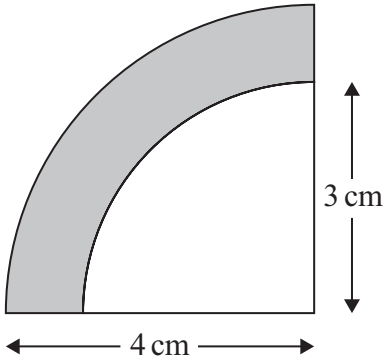
.....

.....

(1)

(Total for Question 23 is 6 marks)

24 The diagram shows two quarter circles with the same centre.

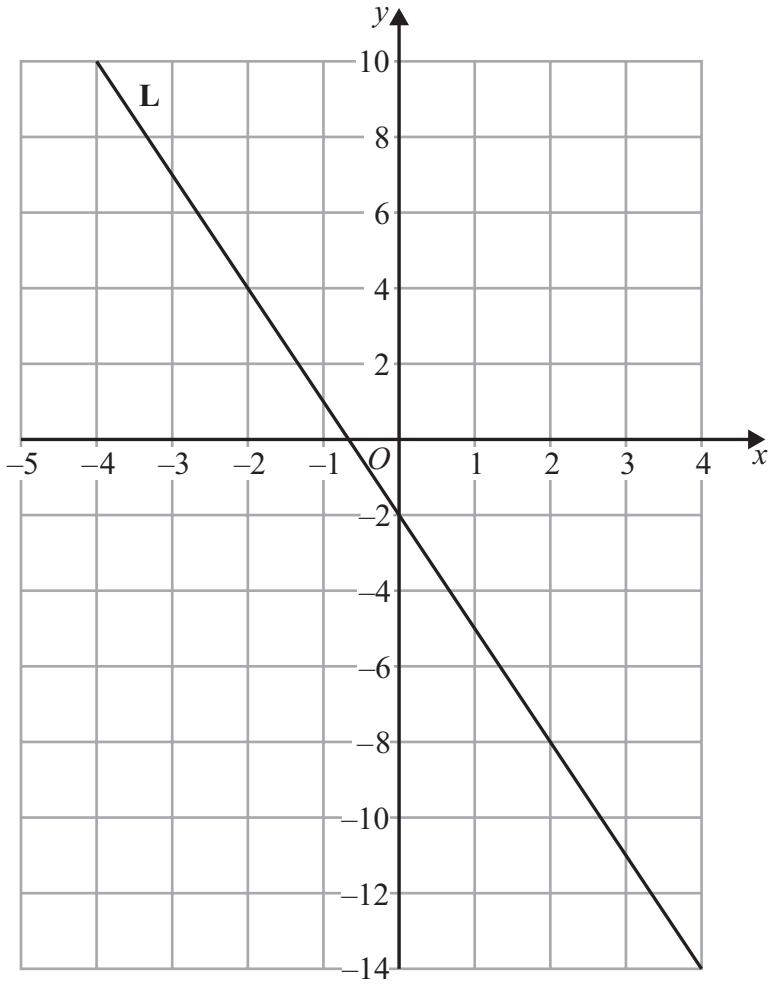


Work out the area of the shaded section.
Give your answer in terms of π.

..... cm^2

(Total for Question 24 is 3 marks)

25 The line **L** is shown on the grid.

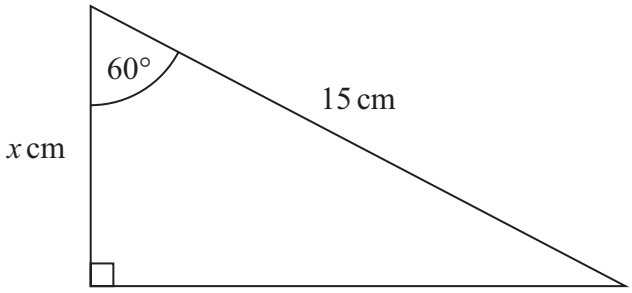


Find an equation for **L**.
Give your answer in the form $y = mx + c$

.....

(Total for Question 25 is 3 marks)

26



Given that $\cos 60° = \frac{1}{2}$

work out the value of x.

$x =$ .....

(Total for Question 26 is 2 marks)

27 A : B = 2 : 3
B : D = 2 : 5
C : D = 2 : 1

Find A : C

.....

(Total for Question 27 is 3 marks)

TOTAL FOR PAPER IS 80 MARKS

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

BLANK PAGE