

Please check the examination details below before entering your candidate information

Candidate surname					Other names				
Centre Number					Candidate Number				

Pearson Edexcel International GCSE

Wednesday 3 June 2026

Morning (Time: 2 hours)

Paper reference **4MA1/2FR**

Mathematics A

PAPER 2FR

Foundation Tier



You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser, calculator. 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.
- Without sufficient working, correct answers may be awarded no marks.
- Answer the questions in the spaces provided
– *there may be more space than you need.*
- **Calculators may be used.**
- You must **NOT** write anything on the formulae page.
- Anything you write on the formulae page will gain NO credit.

Information

- The total mark for this paper is 100.
- 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.
- Check your answers if you have time at the end.

Turn over ►

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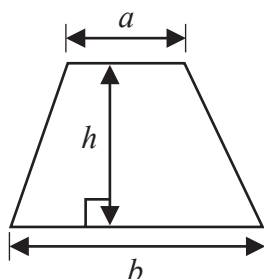
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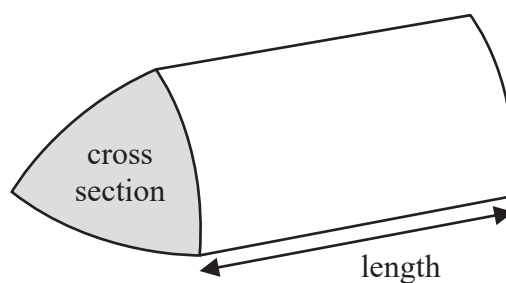

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International GCSE Mathematics
Formulae sheet – Foundation Tier

Area of trapezium = $\frac{1}{2}(a + b)h$

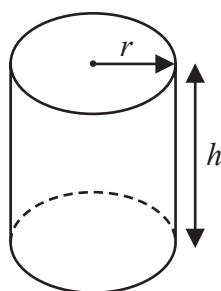


Volume of prism = area of cross section $\times$ length



Volume of cylinder = $\pi r^2 h$

Curved surface area of cylinder = $2\pi r h$



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Answer ALL TWENTY SEVEN questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

- 1** The table shows the number of runs scored in test matches by each of five cricketers.

Cricketer	Runs scored
Alastair Cook	12 472
Brian Lara	11 953
Azhar Ali	7142
Matthew Hayden	8625
Rahul Dravid	13 288

- (a) Which of these five cricketers scored the most runs?

.....
(1)

- (b) Write down the value of the 4 in the number 12 472

.....
(1)

- (c) Work out the difference between the number of runs scored by Brian Lara and the number of runs scored by Azhar Ali.

.....
(1)

- (d) Work out $\frac{1}{5}$ of 8625

.....
(1)

(Total for Question 1 is 4 marks)



- 2 The diagram shows a parallelogram.



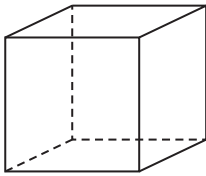
- (a) On the diagram, mark with a letter *A* an acute angle.

(1)

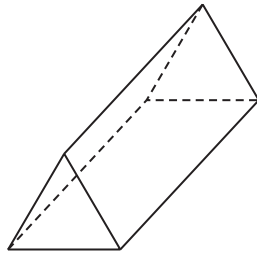
- (b) Write down the order of rotational symmetry of this parallelogram.

.....
(1)

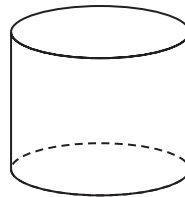
Here are four 3-D shapes.



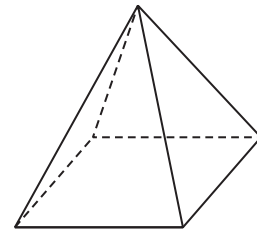
A



B



C



D

- (c) Write down the letter of the 3-D shape which

- (i) is a triangular prism

.....
(1)

- (ii) has 8 edges

.....
(1)

- (iii) has 6 faces

.....
(1)

(Total for Question 2 is 5 marks)



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- 3 (a) Write $\frac{71}{6}$ as a mixed number.

.....
(1)

- (b) Write $\frac{3}{10}$ as a decimal.

.....
(1)

There are 60 workers in an office.
21 of the workers travel by car to the office.

- (c) What fraction of the workers **do not** travel by car to the office?
Give your fraction in its simplest form.

.....
(2)

(Total for Question 3 is 4 marks)

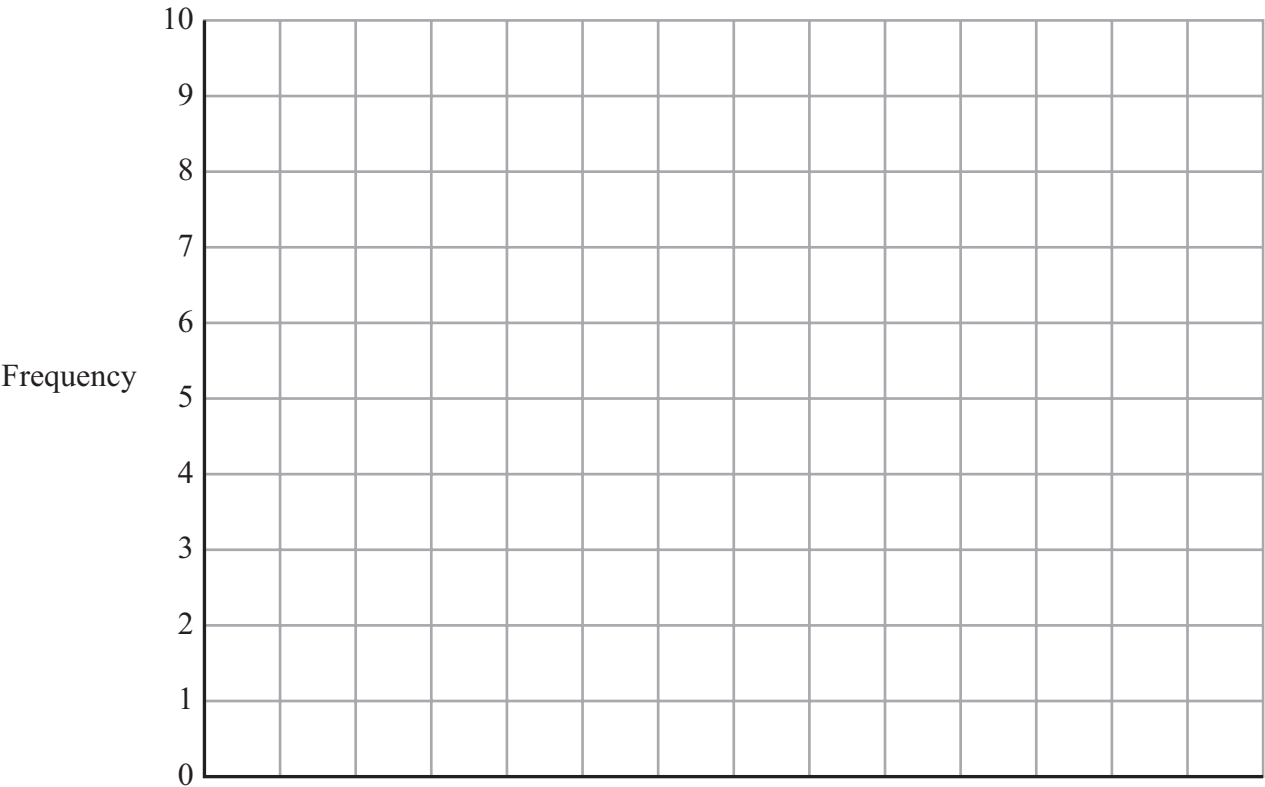


P 7 9 7 8 8 A 0 5 2 8

4 The table shows information about the favourite colours of 30 children.

Colour	blue	green	pink	red	yellow
Frequency	8	4	2	9	7

Complete the bar chart for the information in the table.



(Total for Question 4 is 3 marks)

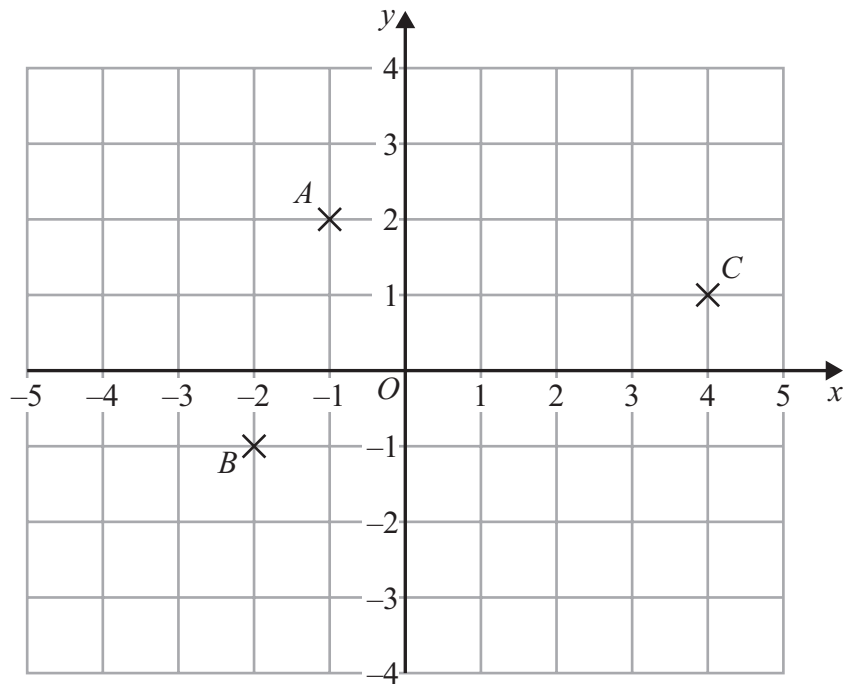


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- 5 The diagram shows points A , B and C marked on a grid.



- (a) Write down the coordinates of point A

(.....,)
(1)

The coordinates of point D are $(-4, -3)$

- (b) On the grid, mark with a cross ($\times$) the position of D
Label the cross D

(1)

- (c) Find the coordinates of the midpoint of BC

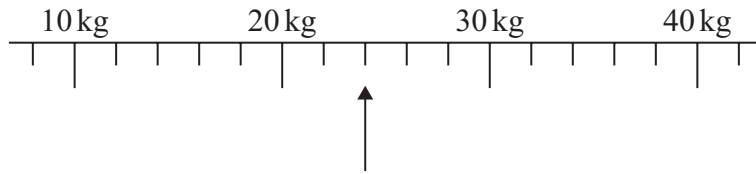
(.....,)
(2)

(Total for Question 5 is 4 marks)



- 6 Martin is putting boxes into a crate.
Each box weighs 4 kg

The arrow on the scale below shows the weight of the boxes that Martin has already put into the crate.



The crate is full when the weight of the boxes in the crate is 80 kg

Work out how many more boxes Martin needs to put into the crate so that it is full.

(Total for Question 6 is 4 marks)



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7 (a) Simplify $4c \times 5h$

.....
(1)

(b) Simplify $2x + 7y - 5x + 4y$

.....
(2)

(c) Expand $a(a - 4)$

.....
(1)

(d) Factorise $10k + 35$

.....
(1)

(e) Make t the subject of $m = 7t - 2$

.....
(2)

(Total for Question 7 is 7 marks)



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8 At a holiday camp, Alex can choose one activity from List A and one activity from List B

List A	List B
Caving (<i>C</i>)	Fishing (<i>F</i>)
Kayaking (<i>K</i>)	Hiking (<i>H</i>)
Rock climbing (<i>R</i>)	Watersports (<i>W</i>)

(a) Write down all the possible combinations Alex can choose.

(2)

200 people at the holiday camp each played one sport on Tuesday.
The two-way table shows some information about the sports they played.

	Football	Hockey	Tennis	Total
Indoor		15	45	
Outdoor	58			104
Total		47		200

(b) Complete the two-way table.

(3)

Alex selects at random one of these people.

(c) Write down the probability that this person played outdoor football.

(2)

(Total for Question 8 is 7 marks)



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9 A machine makes small shirts and large shirts.
The machine takes 5 minutes to make each small shirt.

On Monday, the machine made 15 small shirts and some large shirts.
The machine took 3 hours to make these shirts.

Work out how long the machine took to make the large shirts.
Give your answer in minutes.

..... minutes

(Total for Question 9 is 3 marks)



10 (a) Work out the value of 21^3

.....
(1)

$$3^n = 243$$

(b) Work out the value of n

$n =$
(1)

(c) Work out the square root of 7.84

.....
(1)

(d) Write one pair of brackets in this calculation so that the answer is correct.

$$20 \div 7 - 3 \times 2 = 10$$

(1)

(Total for Question 10 is 4 marks)

11 Show that $\frac{1}{4} + \frac{3}{7} = \frac{19}{28}$

(Total for Question 11 is 2 marks)

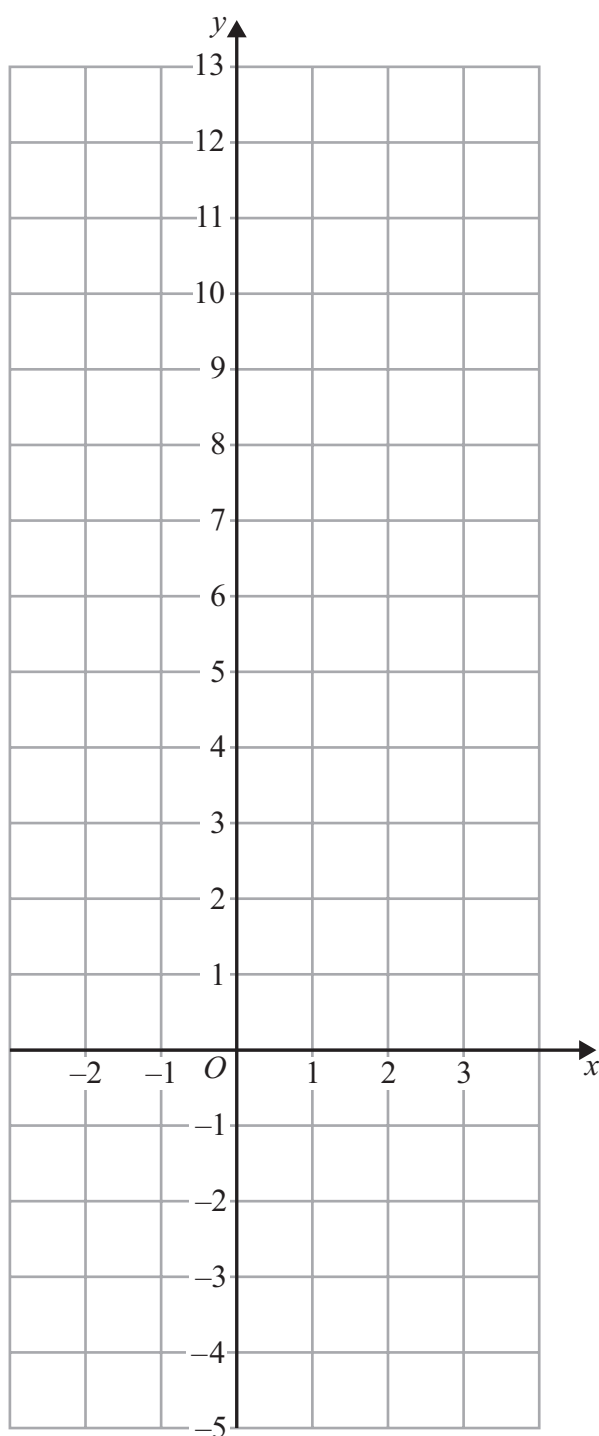


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12 On the grid below, draw the graph of $y = 3x + 2$ for values of x from -2 to 3



(Total for Question 12 is 3 marks)



13 Find the lowest common multiple (LCM) of 40 and 60

(Total for Question 13 is 2 marks)

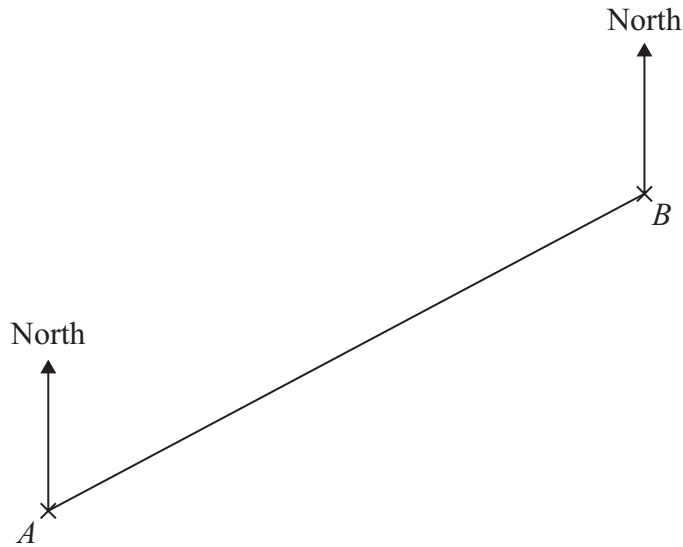
14 Each exterior angle of a regular polygon is 24°

Work out the number of sides of this regular polygon.

(Total for Question 14 is 2 marks)



15 The accurate scale drawing shows the positions of two boats, A and B



Scale: 1 cm represents 4 km

- (a) Find, by measuring, the bearing of boat B from boat A

(1)

A lighthouse is on a bearing of 100° from A
The lighthouse is 22 km from A

- (b) On the diagram, mark with a cross ($\times$) the position of the lighthouse.
Label the cross C

(2)

(Total for Question 15 is 3 marks)



- 16** The cost of a laptop in the UK is £300
The cost of an identical laptop in India is 15% less than the cost in the UK.

The exchange rate is £1 = 105 rupees.

Work out the cost of the laptop in India.

Give your answer in rupees.

..... rupees

(Total for Question 16 is 3 marks)

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17 The diagram shows a right-angled triangle.

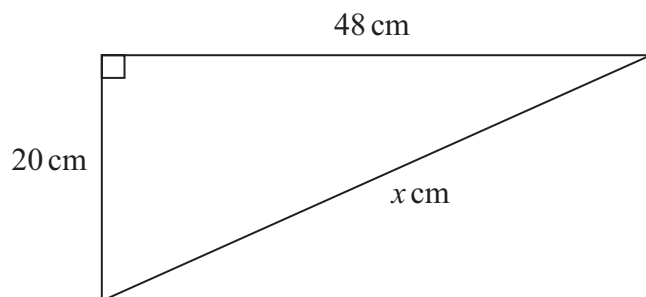


Diagram **NOT**
accurately drawn

Work out the value of x

$x =$

(Total for Question 17 is 3 marks)



18 Here are the first five terms of an arithmetic sequence.

14 8 2 -4 -10

Find an expression, in terms of n , for the n th term of this sequence.

(Total for Question 18 is 2 marks)

19 $\mathcal{E} = \{\text{integers from 1 to 12}\}$
 $A = \{\text{factors of 12}\}$

List the members of the set A'

(Total for Question 19 is 1 mark)

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- 20 (a) Solve $3(x + 2) = 1 - 5x$
Show clear algebraic working.

$$x = \dots\dots\dots$$

(3)

$$P = c^2 - 5d$$

- (b) Work out the value of P when $c = -7$ and $d = 3$

$$P = \dots\dots\dots$$

(2)

- (c) Simplify m^0

$$\dots\dots\dots$$

(1)

- (d) Simplify $(4r^2t)^3$

$$\dots\dots\dots$$

(2)

(Total for Question 20 is 8 marks)



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21 Sarah and Dej each give some money to charity **A** and to charity **B**

Sarah shares \$400 between charity **A** and charity **B** in the ratio 2 : 3

Dej shares \$375 between the two charities.

He gives twice as much money to charity **B** as he gives to charity **A**

Dej gives more money to charity **B** than Sarah gives to charity **B**

How much more?

\$.....

(Total for Question 21 is 5 marks)



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22 Mika has six cards.
There is a number on each card.
The cards are arranged with the numbers in order of size.
Three of the numbers are hidden.



The mode of the six numbers is 8
The range of the six numbers is 7
The sum of the six numbers is 31

Work out the median of the six numbers.

(Total for Question 22 is 4 marks)



23 (a) Write 4×10^{-5} as an ordinary number.

.....
(1)

(b) Work out $(6 \times 10^{158}) \times (2 \times 10^{72})$
Give your answer in standard form.

.....
(2)

(Total for Question 23 is 3 marks)

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- 24 Lauren's salary increased by 4%
After the increase, her salary was 36 400 euros.
Work out Lauren's salary before the increase.

..... euros

(Total for Question 24 is 3 marks)

- 25 Change a speed of 198 kilometres per hour to a speed in metres per second.
Show your working clearly.

..... m/s

(Total for Question 25 is 3 marks)



26 The diagram shows a solid cylinder.

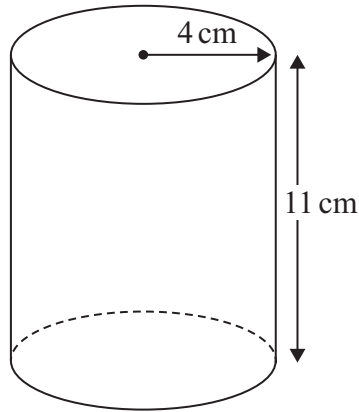


Diagram **NOT**
accurately drawn

The cylinder has radius 4 cm and height 11 cm
The cylinder is made from wood with a density of 0.6 g/cm^3

Work out the mass of the cylinder.
Give your answer correct to 3 significant figures.

..... g

(Total for Question 26 is 3 marks)



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27 The diagram shows a square $ABCD$ and a right-angled triangle EFG

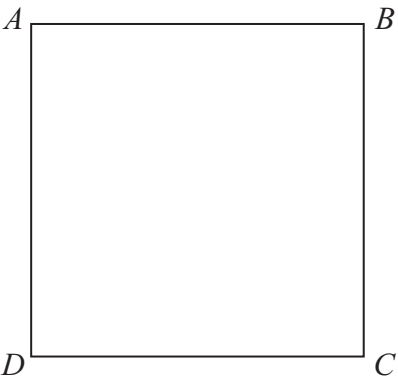
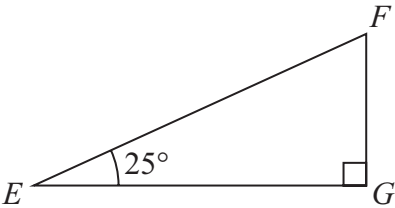


Diagram **NOT** accurately drawn



The area of square $ABCD$ is 36 cm^2
 $DC = EG$

Work out the area of triangle EFG
Give your answer correct to one decimal place.
Show your working clearly.

..... cm^2

(Total for Question 27 is 5 marks)

TOTAL FOR PAPER IS 100 MARKS



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