

Please check the examination details below before entering your candidate information

Candidate surname					Other names				
Centre Number					Candidate Number				
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Pearson Edexcel International GCSE

Thursday 14 May 2026

Morning (Time: 2 hours)

Paper reference **4MA1/1FR**

Mathematics A
PAPER 1FR
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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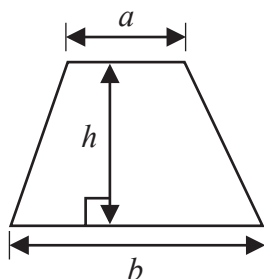
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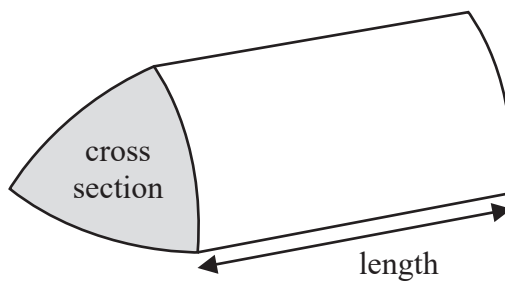

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International GCSE Mathematics
Formulae sheet – Foundation Tier

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

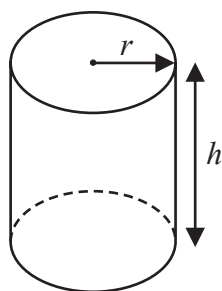


Volume of prism = area of cross section $\times$ length



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

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



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Answer ALL TWENTY NINE questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1

4	5	9	12	27	33	49
---	---	---	----	----	----	----

From the numbers in the box, write down

(a) an even number

.....
(1)

(b) a multiple of 7

.....
(1)

(c) a cube number

.....
(1)

(d) a factor of 70

.....
(1)

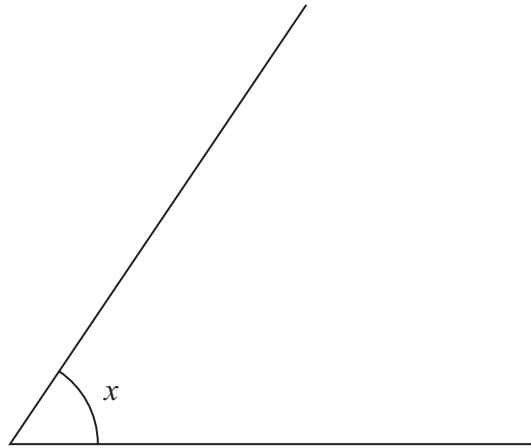
(e) **two** numbers with a sum of 42

..... and
(1)

(Total for Question 1 is 5 marks)



2



(a) Measure the size of the angle marked x

.....
(1)

(b) From the cross ($\times$) below, draw a straight line of length 8.4 cm

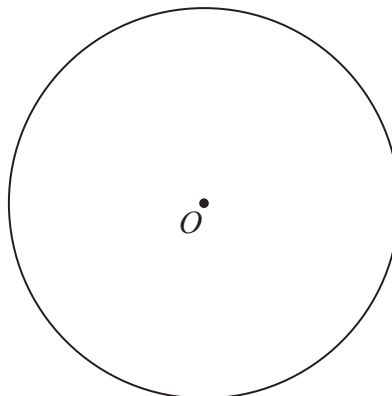


(1)

(c) Write down the mathematical name of an 8-sided polygon.

.....
(1)

The diagram shows a circle, centre O



(d) Draw a radius of the circle.

(1)

(Total for Question 2 is 4 marks)



- 3 (a) Write these numbers in order of size.
Start with the smallest number.

9 -18 22 -51 0

.....
(1)

- (b) Write in figures the number three thousand, five hundred and two.

.....
(1)

- (c) Write 1.52634 correct to 2 decimal places.

.....
(1)

Sanjay is thinking of a number.
The number is an integer.

Correct to the nearest 10, Sanjay's number is 650
Correct to the nearest 100, Sanjay's number is 600

- (d) Write down all the possible numbers Sanjay could be thinking of.

.....
(2)

(Total for Question 3 is 5 marks)



4 Here are the first four terms of a number sequence.

1 7 13 19

(a) Write down the next term of the sequence.

.....
(1)

(b) Explain how you worked out your answer.

.....
(1)

(c) Find the first number in the sequence that is greater than 58

.....
(2)

Louise says,

“126 is a number in the sequence”

(d) Explain why Louise is wrong.

.....
.....
(1)

(Total for Question 4 is 5 marks)



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- 5 (a) Change 54 centimetres into metres.

..... metres
(1)

- (b) Change 23.7 litres into millilitres.

..... millilitres
(1)

(Total for Question 5 is 2 marks)

- 6 Miguel buys

4 notebooks at £2.70 each
5 pens at £0.85 each
and 2 folders at £1.50 each

How much does Miguel spend in total on these items?

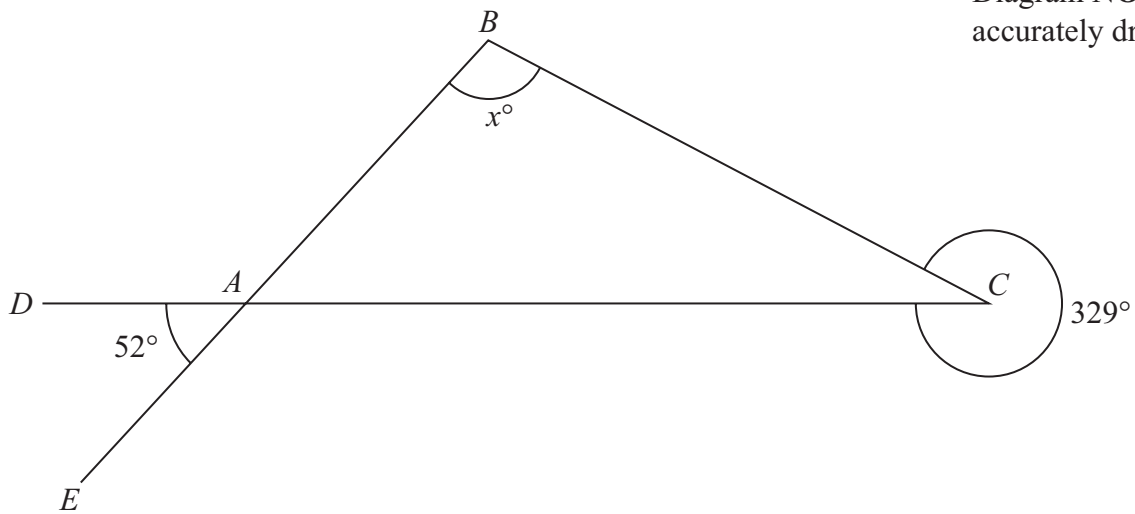
£.....

(Total for Question 6 is 3 marks)



P 7 9 7 8 4 A 0 7 2 8

7



ABC is a triangle.
 DAC and EAB are straight lines.

Work out the value of x

$x = \dots\dots\dots$

(Total for Question 7 is 4 marks)

8



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8 1748 supporters are travelling on buses to a football match.
There are 56 supporters on each of the buses except on the final bus.
Work out how many supporters are on the final bus.

(Total for Question 8 is 3 marks)

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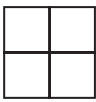
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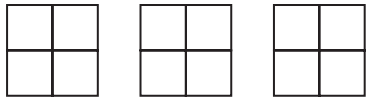
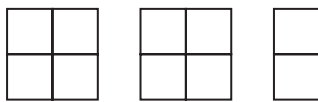
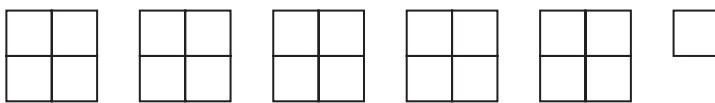
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9 The incomplete table and pictogram show information about the number of occupied rooms in a hotel for each of five days.

Complete the key, the table and the pictogram.

Day	Number of occupied rooms
Monday	36
Tuesday	12
Wednesday	21
Thursday	
Friday	

Key:  represents rooms

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

(Total for Question 9 is 4 marks)



- 10 The table shows information about the numbers of training runs completed by the 56 members of a running club last week.

Number of training runs completed	Frequency
1	4
2	14
3	10
4	9
5	12
6	7

- (a) Write down the modal number of training runs completed.

.....
(1)

- (b) Work out the **total** number of training runs completed.

.....
(2)

One of the 56 members of the running club is chosen at random.

- (c) Find the probability that this member completed 5 or 6 training runs last week.

.....
(2)

(Total for Question 10 is 5 marks)



- 11 Use your calculator to work out the value of

$$\frac{10.8}{9.6 - 2.34^2}$$

Write down all the figures on your calculator display.

.....
(Total for Question 11 is 2 marks)

- 12 A plane flies from London to Accra.

The plane flies a distance of 5103 km

The flight time is 7 hours.

Work out the average speed of the plane.

..... km/h
(Total for Question 12 is 2 marks)

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13 Here is a list of ingredients needed to make 10 biscuits.

Biscuits
 Ingredients for 10 biscuits
 120 g butter
 100 g chocolate
 2 eggs
 200 g flour
 150 g sugar

Feyi wants to make 25 biscuits.

(a) Work out the amount of butter she needs.

..... g
 (2)

Baka makes some biscuits.

He uses 1275 g of sugar.

(b) Work out how many biscuits he makes.

.....
 (2)

Shani makes some sandwiches and cakes where

the number of sandwiches : the number of cakes = 3 : 8

She makes 93 sandwiches.

(c) Work out the number of cakes she makes.

.....
 (2)

(Total for Question 13 is 6 marks)

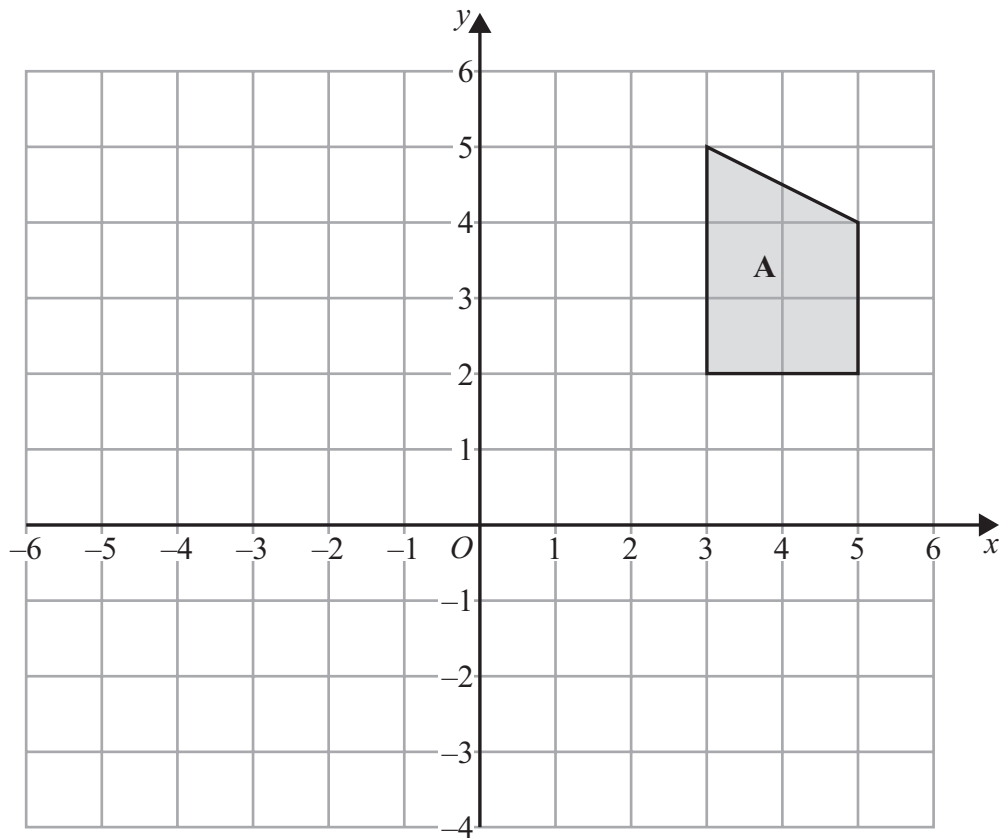
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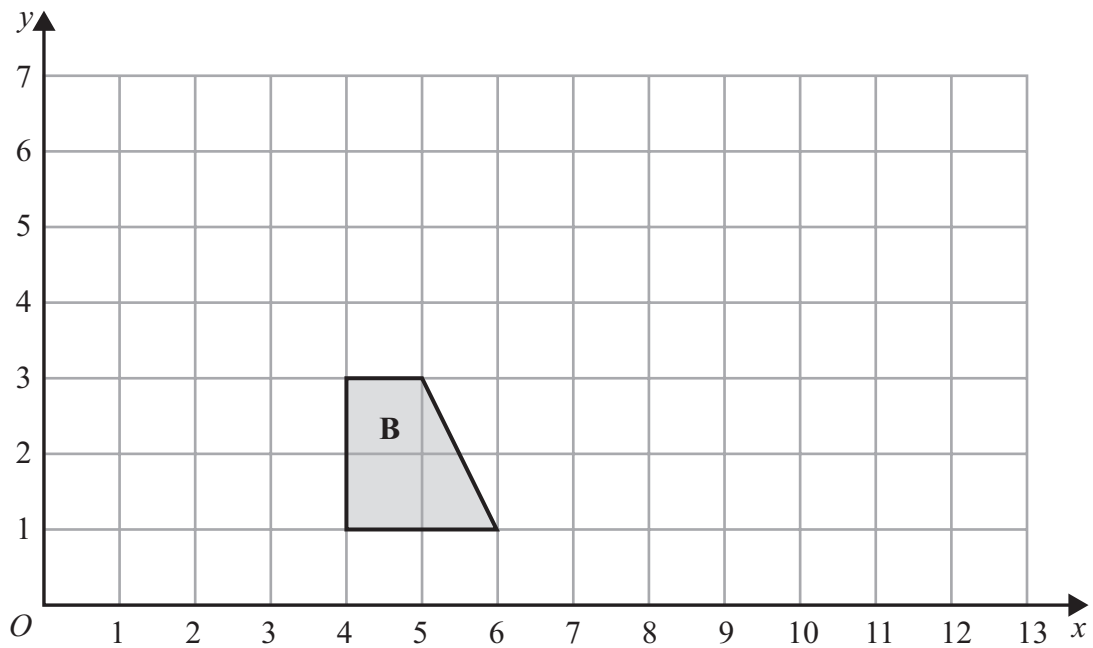


14



- (a) On the grid above, reflect shape **A** in the line $x = 1$

(2)



- (b) On the grid above, enlarge shape **B** with scale factor 2 and centre O

(2)

(Total for Question 14 is 4 marks)

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15 Jenab wants to hire a car and a van.

Cost, in euros, of hiring a car = $45 \times \text{number of days} + 100$

Cost, in euros, of hiring a van = $P \times \text{number of days} + 25$

The cost of hiring a car for 6 days is the same as the cost of hiring a van for 6 days.

Work out the value of P

$P = \dots\dots\dots$

(Total for Question 15 is 4 marks)

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16 A circle has diameter 6.3 cm

Work out the circumference of the circle.
Give your answer correct to one decimal place.

..... cm

(Total for Question 16 is 2 marks)

17 Show that $2\frac{4}{5} \times 3\frac{3}{7} = 9\frac{3}{5}$

(Total for Question 17 is 3 marks)

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- 18 Write 504 as a product of powers of its prime factors.
Show your working clearly.

.....
(Total for Question 18 is 3 marks)

- 19 (a) Simplify $e^7 \times e^3$

.....
(1)

- (b) Simplify $g^5 \div g^2$

.....
(1)

(Total for Question 19 is 2 marks)



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20 The weight of a giraffe is 1178 kg, correct to the nearest kg

(i) Write down the lower bound of the weight of the giraffe.

..... kg
(1)

(ii) Write down the upper bound of the weight of the giraffe.

..... kg
(1)

(Total for Question 20 is 2 marks)



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21 A bag contains only blue counters, green counters, red counters and yellow counters.

Danny takes a counter at random from the bag.

The table gives information about the probabilities that he takes a blue counter or a green counter or a red counter or a yellow counter.

Colour	blue	green	red	yellow
Probability	0.45	0.31	$5x$	x

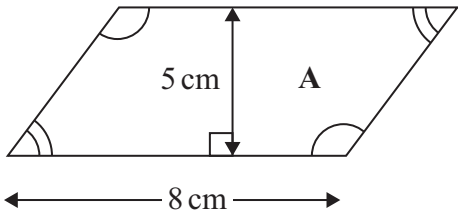
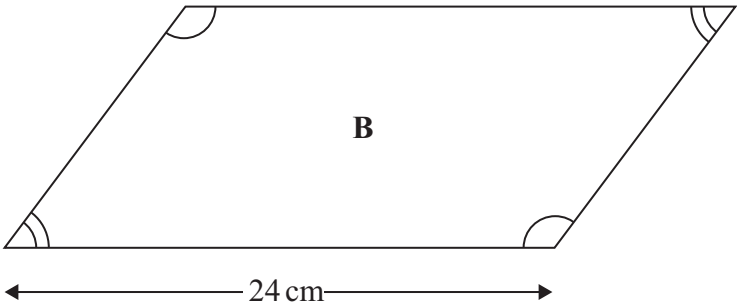
There are 400 counters in the bag.

Work out the number of red counters in the bag.

(Total for Question 21 is 4 marks)

22

Diagram **NOT**
accurately drawn



A and **B** are similar parallelograms.
Work out the area of **B**

..... cm²

(Total for Question 22 is 3 marks)

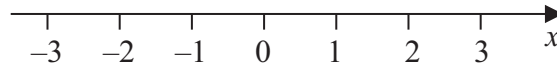
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23



- (a) Represent the inequality $x < 1$ on the number line above.

(1)

$$2 \leq y + 3 < 7$$

y is an integer.

- (b) Write down all the possible values of y

(2)

- (c) Solve the inequality $8 - 5w > -10$

(2)

(Total for Question 23 is 5 marks)



24 Factorise $x^2 - 12x + 32$

.....
(Total for Question 24 is 2 marks)

25 Caleb owns 11 sheep.

The mean weight of all 11 sheep is 77 kg

The mean weight of 8 of the sheep is 75.2 kg

Work out the mean weight of the other 3 sheep.

..... kg
(Total for Question 25 is 3 marks)



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- 26 Arwa invests 200 000 yen in a savings account for 3 years.
She gets 1.4% per year compound interest.

Work out how much money Arwa will have in her savings account at the end of 3 years.
Give your answer correct to the nearest yen.

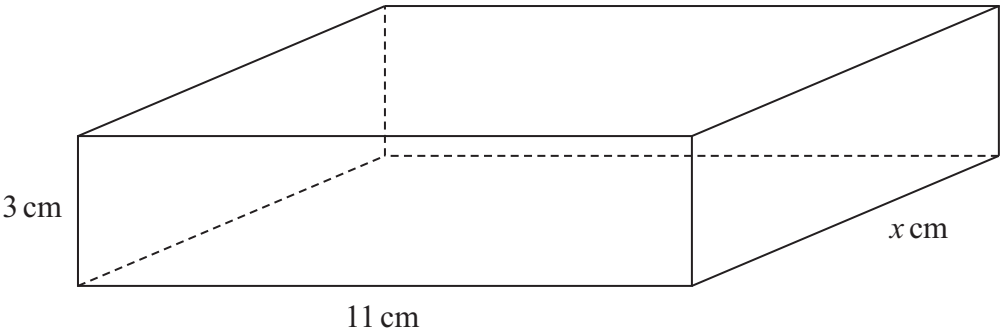
..... yen

(Total for Question 26 is 3 marks)



27 The diagram shows a solid cuboid.

Diagram **NOT**
accurately drawn



The cuboid measures 3 cm by 11 cm by x cm

The volume of the cuboid is 264 cm^3

Work out the total surface area of the cuboid.

..... cm^2

(Total for Question 27 is 4 marks)



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28 Solve the simultaneous equations

$$4x + 4y = 5$$

$$x + 2y = 1$$

Show clear algebraic working.

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

$$y = \dots\dots\dots$$

(Total for Question 28 is 3 marks)



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29 The straight line **L** has equation $4y - 10x - 5 = 0$

(a) Find the gradient of **L**

(2)

(b) Find the coordinates of the point where **L** crosses the y-axis.

(.....,)
(1)

(Total for Question 29 is 3 marks)

TOTAL FOR PAPER IS 100 MARKS



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