

Please check the examination details below before entering your candidate information

Candidate surname

Other names

Centre Number

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Candidate Number

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Predicted Paper 2

Time: (1 hour 30 minutes)

Mathematics
Paper 2 (Calculator)
Foundation Tier



3rd June 2026

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, center number and candidate number.
- Answer all questions.
- Answer the questions in the spaces provided – there may be more space than you need.
- **There are 80 marks. You have 1 hour and 30 minutes!**
- You must show all your working.
- Diagrams are NOT accurately drawn, unless otherwise indicated.
- Calculators may not be used.

FOR MORE MATHSWITHDAN RESOURCES, SCAN THE QR CODES:





Hello there! I hope your revision is going splendidly.
Welcome to my Predicted Paper 2 for GCSE Maths Foundation Summer 2026!
My name is Dan, I am a full time GCSE and A Level Maths tutor with a First-Class degree In BSc Mathematics.

In addition to my tutoring sessions, I run a YouTube channel where I offer detailed walkthroughs of past GCSE and A-Level Maths papers. I am also on TikTok and Instagram, where I go through quick-fire questions to help students stay sharp, whether they're scrolling late at night or on their way to school!

This paper includes a variety of questions gathered from past exam papers (all publicly available) and questions created by me! I've uploaded a full video walkthrough for this paper on my YouTube channel – it's a great way to check your answers and understand the methods. You can access it by scanning the QR code below or in the top right corner of each page! Do the paper FIRST before watching the video!

DISCLAIMER:

There is no guarantee the topics in this paper will come up. Use this paper as extra practice alongside comprehensive revision. Good luck!!!

SCAN THE QR CODE FOR THE ENTIRE WALKTHROUGH





Answer ALL questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 Write 4872 correct to the nearest hundred.

.....
(Total for Question 1 is 1 mark)

2 Write 0.35 as a fraction in its simplest form

.....
(Total for Question 2 is 1 mark)

3 Change 4.6 kilometres in to metres.

.....
(Total for Question 3 is 1 mark)

4 Simplify $5 \times 3a$

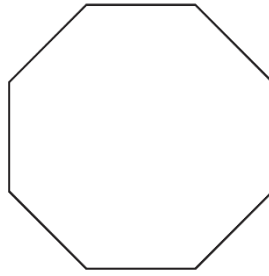
.....
(Total for Question 4 is 1 mark)

5 Find 50% of 380.

.....
(Total for Question 5 is 1 mark)

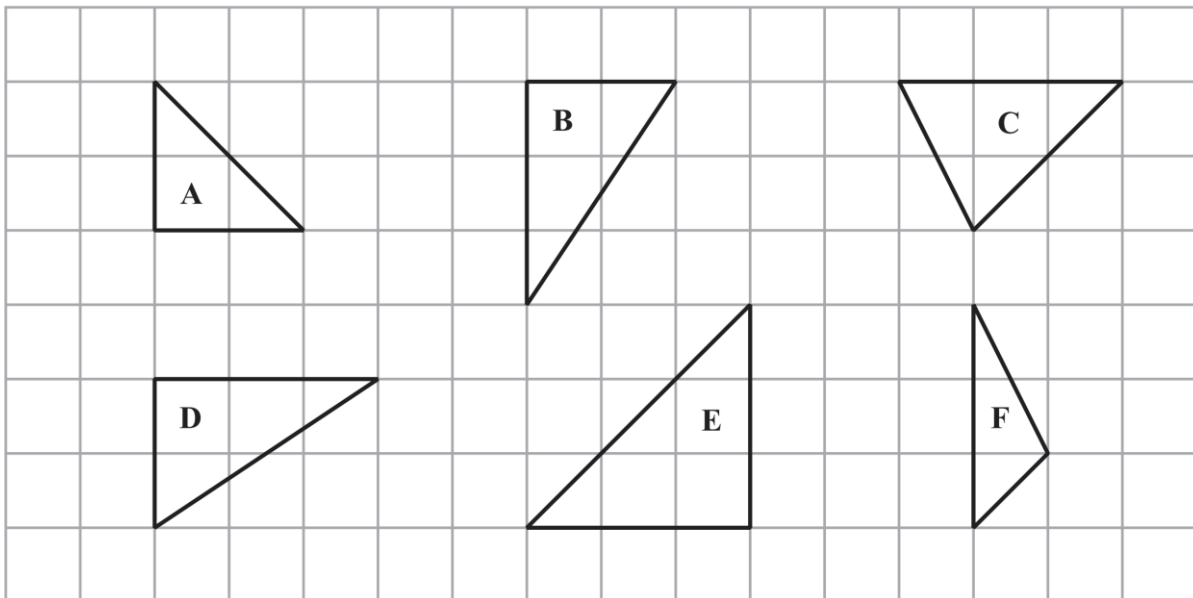


6 (a) Write down the mathematical name of this polygon.



.....
(1)

Here are six triangles drawn on a grid of squares.



Two of these triangles are congruent.

(b) Write down the letters of these two triangles.

..... and
(1)

(Total for Question 6 is 2 marks)



7 Here is a rule to work out the cost of buying a number of sunbeds.

$$\text{Cost} = \text{£}48 \times \text{number of sunbeds}$$

Truly buys a number of sunbeds.
The cost is £384

Work out the number of sunbeds Truly buys.

.....
(Total for Question 7 is 2 marks)

8 (a) The n th term of a sequence is $4n + 3$

Explain why 26 is not a term of this sequence.

.....
.....
(2)

(b) Here are the first three terms of a different sequence.

2 4 8

Write down two numbers that could be the 4th term and the 5th term of this sequence.
Give the rule you have used to get your numbers.

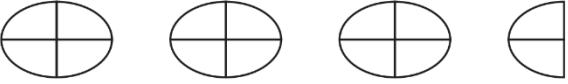



.....
.....
.....
(2)

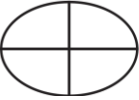
(Total for Question 8 is 4 marks)



9 Trish runs an after-school study club.

The pictogram shows information about the number of students who attended the club each day from Monday to Thursday last week.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

Key:  represents 8 students

(a) How many students attended the club on Wednesday?

.....
(1)

18 students attended the club on Friday.

(b) Show this information on the pictogram.

(1)

Trish gave each students 3 worksheets each day.

(c) Work out the total number of worksheets that Trish gave the during the five days from Monday to Friday last week.

.....
(2)

(Total for Question 9 is 4 marks)



10 Here is part of a bus timetable between Perry Bar and Birmingham City Centre.

Perry Barr	07 20		07 40		07 55
Handsworth	07 32		07 52		08 09
Aston	07 41	07 56	08 01	08 11	08 18
Duddeston	07 48	08 03	08 08	08 18	08 25
Snow Hill	07 55	08 10	08 15	08 25	08 32
City Centre	08 05	08 20	08 25	08 35	08 45

(a) How many minutes should the 07 20 bus take to go from Perry Barr to Duddeston?

..... minutes
(2)

Hayley goes from Handsworth to Birmingham City Centre by bus.

One day Hayley leaves her house at 07 35

She takes 6 minutes to walk to the bus stop in Handsworth.

She takes 10 minutes to walk from the bus stop in Birmingham City Centre to work.

Hayley needs to be at work for 08 30

(b) Will Hayley get to work for 08 30?

You must show how you get your answer.

(3)

(Total for Question 10 is 5 marks)



11 Elijah makes some cupcakes.

He sells each cupcake for £2.35

Aphiwe buys 7 of these cupcakes.

He pays with a £20 note.

(a) Work out how much change Aphiwe should receive.

£.....

(2)

Shelby sells balloons.

She sells each balloon for £1.20

Eloise has £55 to spend on balloons.

(b) Work out the greatest number of balloons she can buy.

.....
(2)

(Total for Question 11 is 4 marks)



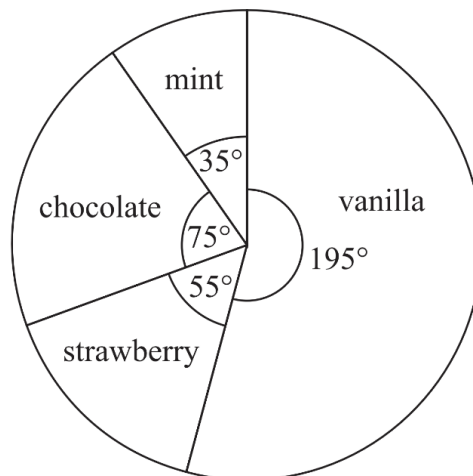
- 12 Kim asked 120 people to name their favourite type of cheese to put on a pizza. She is going to draw a pie chart for her results.

72 of the 120 people said that mozzarella was their favourite.

- (a) Work out the size of the angle on the pie chart for the sector representing mozzarella.

.....
(2)

Sophia asked a different group of people to name their favourite ice cream flavour. She used her results to draw this pie chart.



65 of the people Sophia asked said that vanilla was their favourite.

- (b) Work out how many of the people Sophia asked said that chocolate was their favourite.

.....
(2)

(Total for Question 12 is 4 marks)

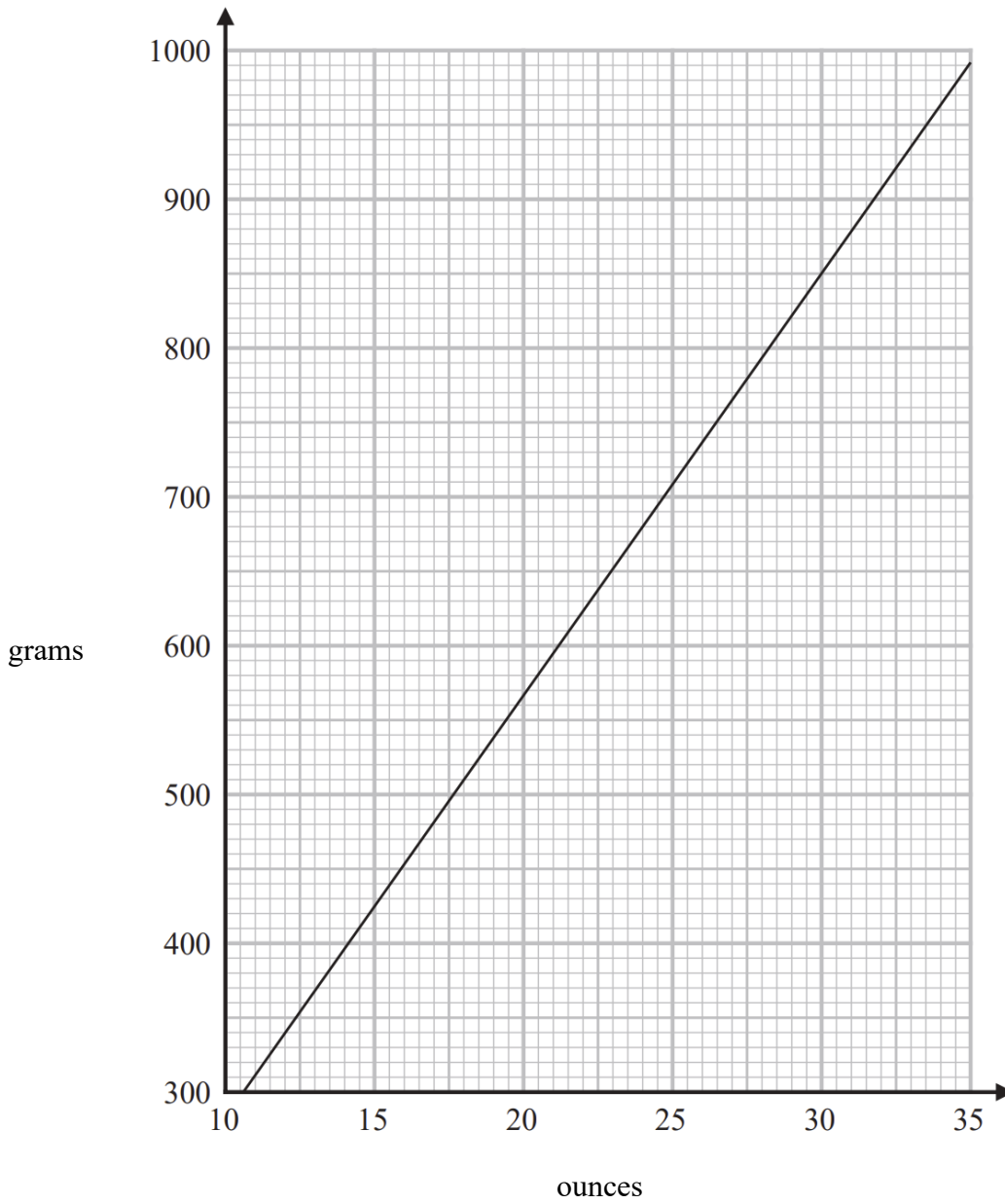


13 Find the number that is exactly halfway between $\frac{2}{9}$ and $\frac{7}{18}$

.....
(Total for Question 13 is 2 marks)



14 You can use this graph to change between ounces and grams.



(a) Change 680 grams to ounces.

..... ounces
(1)

(b) Change 75 ounces to grams.

..... grams
(2)

(Total for Question 14 is 3 marks)



15 3kg of onions and 4kg of carrots cost a total of £5.60
2kg of carrots cost £1.60

Jamel has £3
He wants to buy 5kg of onions.

Does Jamel have enough money to buy 5kg of onions?
You must show how you get your answer.

(Total for Question 15 is 5 marks)



16 Tasha is asked to find the value of $4 + 2^3 + 9$

Here is her working and her answer.

$$\begin{aligned}4 + 2^3 + 9 &= 6^3 + 9 \\ &= 216 + 9 \\ &= 225\end{aligned}$$

Tasha's answer is wrong.

(a) Explain what Tasha has done wrong in her working.

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

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

$$3 \times 8 - 5^2 - 19 = 18$$

(1)

(c) Work out the value of $x^2 + 5y$ when $x = -2$ and $y = 3$

.....
(2)

(Total for Question 16 is 4 marks)



17 Oyin works 28 hours a week in the UK.
She is paid £392.00 per week.

Oyin applies for a job in Canada.
The rate of pay is 23.50 Canadian dollars per hour.

£1 = 1.88 Canadian dollars

Oyin thinks the rate of pay in Canada is greater than the rate of pay in the UK.

Is Oyin correct?
You must show how you get your answer.

(Total for Question 17 is 3 marks)



18 (a) Write 864 000 in standard form.

.....
(1)

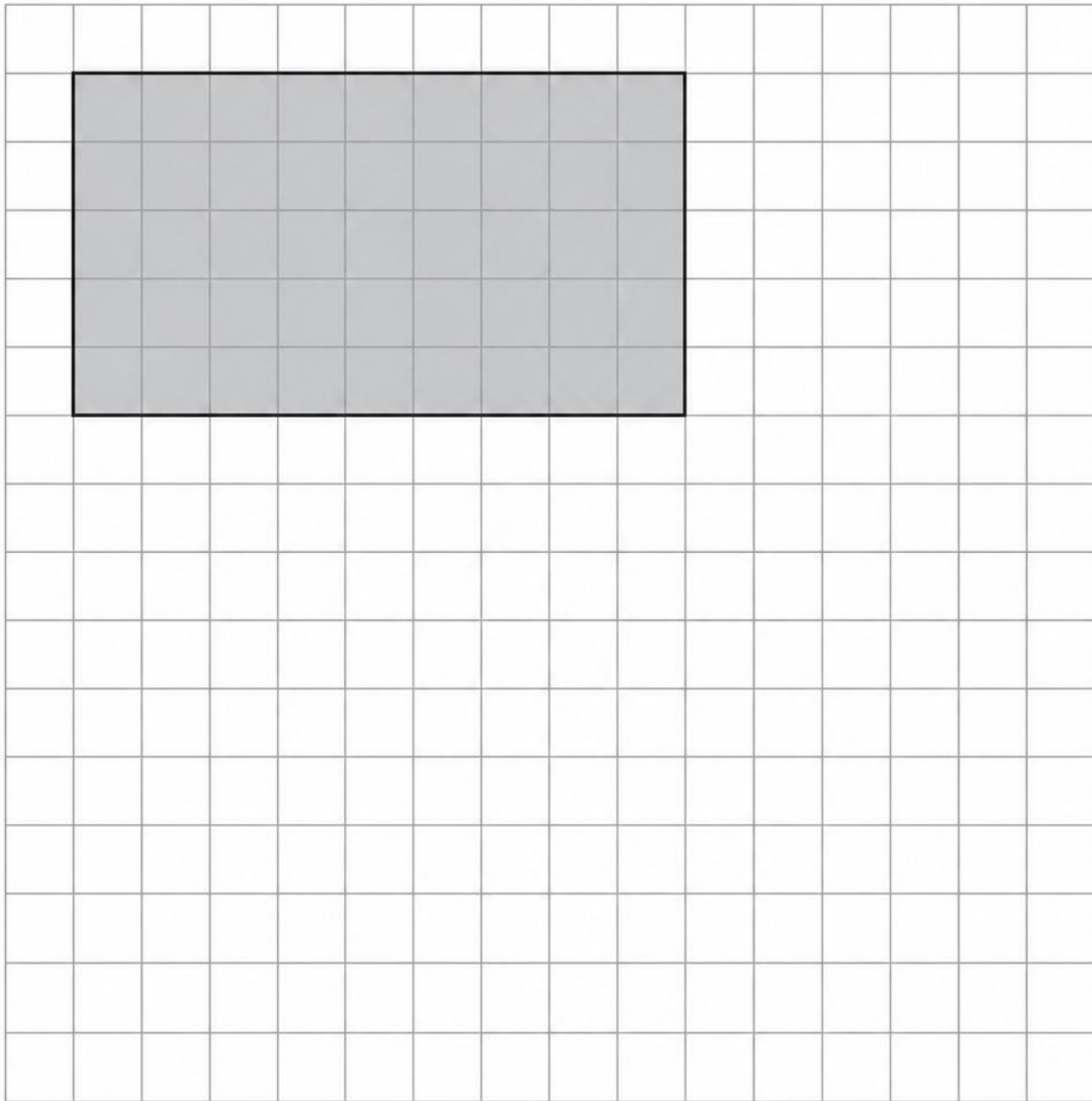
(b) Write 9.018×10^{-5} as an ordinary number.

.....
(1)

(Total for Question 18 is 2 marks)



19 The front elevation of a cuboid is shown on the centimetre grid below.



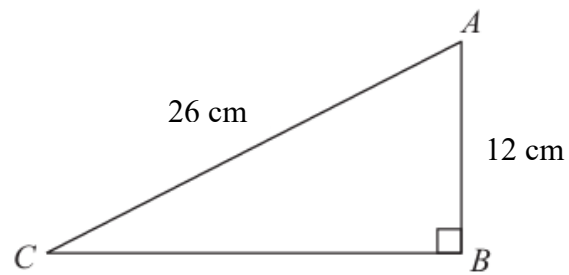
The volume of the cuboid is 270 cm^3

On the grid, draw the plan of the cuboid

(Total for Question 19 is 3 marks)



20 ABC is a right-angled triangle.



Work out the length of CB .

Give your answer correct to 3 significant figures.

.....cm

(Total for Question 20 is 2 marks)



21 (a) Write 72 as a product of its prime factors

.....
(2)

$$A = 2^3 \times 3$$

$$B = 2 \times 3^2$$

(b) Write down the lowest common multiple (LCM) of A and B

.....
(1)

(Total for Question 21 is 3 marks)



- 22 There are only cars, vans and motorbikes in a car park.
There are 30 motorbikes in the car park.

A vehicle is chosen at random from the car park.

The probability that the vehicle chosen is a motorbike is 0.20

the number of cars : the number of vans = 3 : 2

Work out the number of cars in the car park.

.....
(Total for Question 22 is 4 marks)



23 Amira invests £6200 in a savings account for 5 years.
She gets 3.1% per year compound interest.

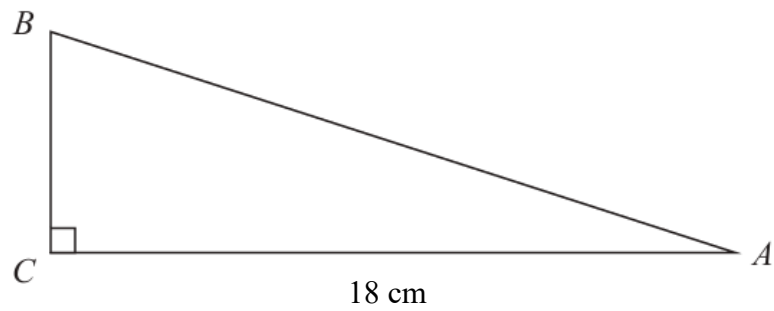
Work out how much money Amira will have in the savings account at the end of
5 years.
Give your answer to the nearest pound.

..... pounds

(Total for Question 23 is 3 marks)



24 ABC is a right-angled triangle.



$AC = 18$ cm
Angle $C = 90^\circ$

size of angle B : size of angle $A = 3 : 2$

Work out the length of AB .
Give your answer correct to 3 significant figures.

.....cm

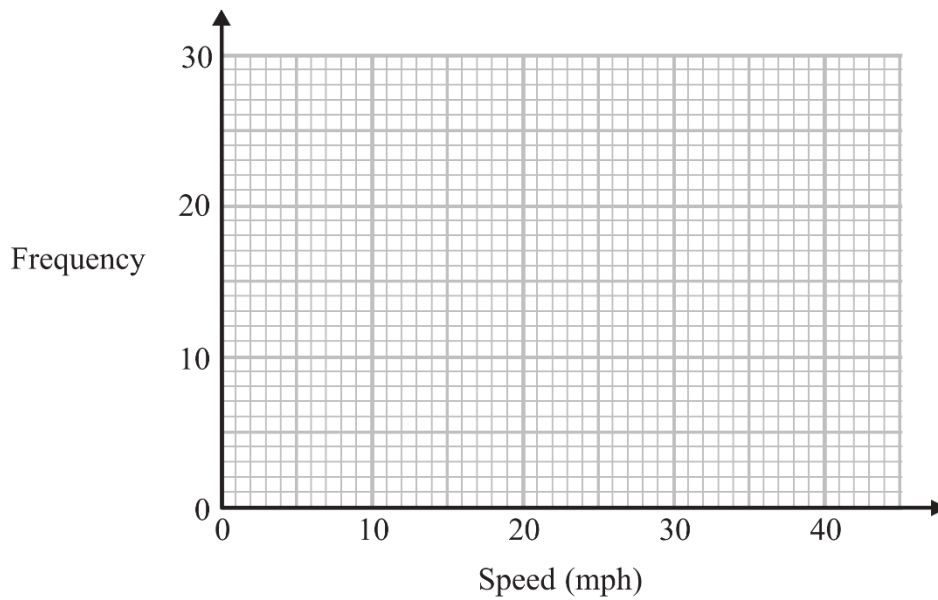
(Total for Question 24 is 4 marks)



25 The table gives information about the speeds of 70 cars.

Speed (s mph)	Frequency
$0 < s \leq 10$	16
$10 < s \leq 20$	20
$20 < s \leq 30$	22
$30 < s \leq 40$	12

Draw a frequency polygon for this information.



(Total for Question 25 is 2 marks)



27 The bearing of port D from port C is 214°

Work out the bearing of port C from port D .

○

(Total for Question 27 is 2 marks)



28

$$\mathbf{a} = \begin{pmatrix} 3 \\ -2 \end{pmatrix} \quad \mathbf{b} = \begin{pmatrix} 4 \\ 1 \end{pmatrix} \quad \mathbf{c} = \begin{pmatrix} -2 \\ 5 \end{pmatrix}$$

(a) Work out as a column vector

(i) $\mathbf{a} + \mathbf{b}$

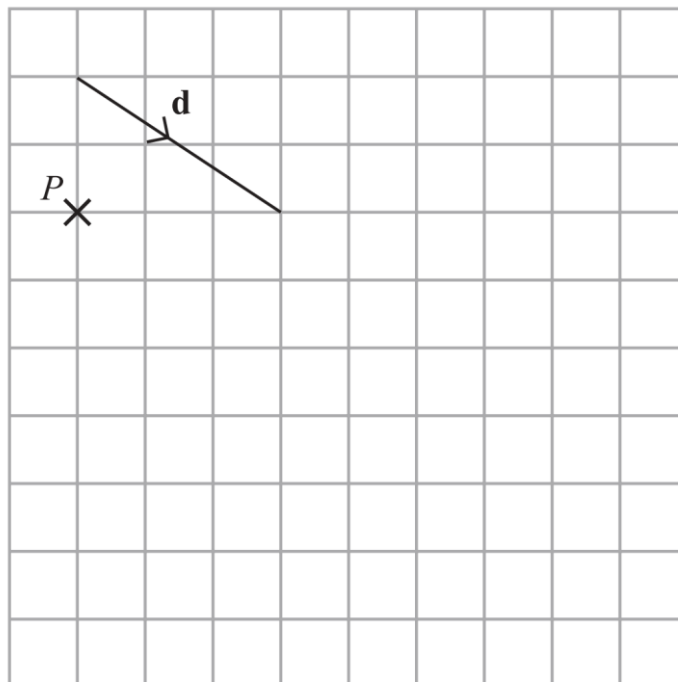
$$\begin{pmatrix} \\ \\ \end{pmatrix}$$

(1)

(ii) $2\mathbf{a} - \mathbf{c}$

$$\begin{pmatrix} \\ \\ \end{pmatrix}$$

(2)

The vector \mathbf{d} is drawn on the grid.(b) From the point P , draw the vector $2\mathbf{d}$

(1)

(Total for Question 28 is 4 marks)

TOTAL FOR PAPER IS 80 MARKS



Congratulations on completing the paper! I hope it has helped you with your revision.



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Take care!

