



Class  
Maths

Video Solutions



PRACTICE PAPER FOR

AQA Paper 3F  
(June 2026)

----- Disclaimer -----

This paper has been created based on some of the common paper 3 topics from previous years and also careful analysis of what topics have already appeared in paper 1/2. The paper should be excellent at helping students revise for exams, however it should not be relied upon as the basis for revision. The topics from this paper may well appear in the real exams, however there is absolutely no guarantee of this. Some topics may appear, some may not. Despite what you might see on social media it is not possible to “predict” the paper. This is usually what people say when they are selling you something...

The best way to prepare for the exams is to **revise all topics**.

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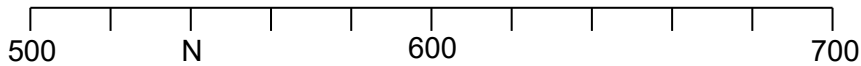
Do not write  
outside the  
box

Answer **all** questions in the spaces provided.

**1** Write down the value of the digit 5 in 26 549 **[1 mark]**

Answer \_\_\_\_\_

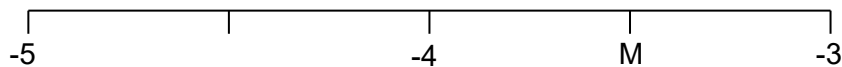
**2 (a)** Here is a number line.



What number is at N? **[1 mark]**

Answer \_\_\_\_\_

**2 (b)** Here is another number line.



What number is at M? **[1 mark]**

Answer \_\_\_\_\_





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3 (a) Solve  $x - 3 = 5$

[1 mark]

$x =$  \_\_\_\_\_

3 (b) Solve  $\frac{y}{4} = 2$

[1 mark]

$y =$  \_\_\_\_\_

4 (a) Write down four factors of 10

[2 marks]

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Answer \_\_\_\_\_

4 (b) Write down four multiples of 10

[2 marks]

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Answer \_\_\_\_\_

$\frac{\quad}{9}$

Turn over ►

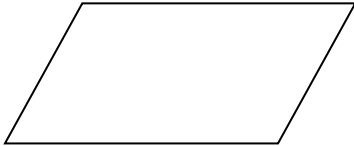




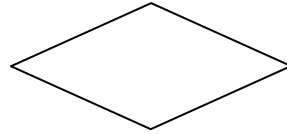
Do not write  
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5 Here are some quadrilaterals.

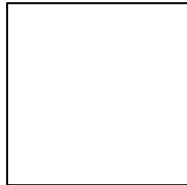
**Parallelogram**



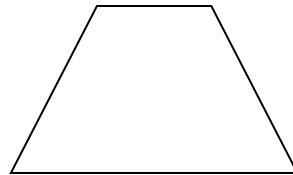
**Rhombus**



**Square**



**Trapezium**



5 (a) Write down the name of the shape above that has two lines of symmetry. [1 mark]

Answer \_\_\_\_\_

5 (b) Write down the name of the shape above that rotational symmetry order 1. [1 mark]

Answer \_\_\_\_\_





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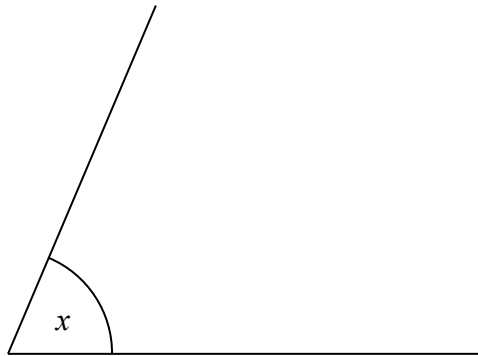
6 Complete the bank statement

[3 marks]

Date	Description	Credit (£)	Debit (£)	Balance (£)
01/05/26	Starting Balance			1845.60
09/05/26	Electricity Bill		128.45	_____
15/05/26	Refund	52.80		_____
28/05/26	Wages	_____		2679.95

7 Measure the size of angle  $x$ .

[1 mark]



Answer \_\_\_\_\_

6

Turn over ►





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outside the  
box

8 Mary sells cakes in the school canteen to raise money for charity.

The table below shows how many cakes she sold at different times of the day.

Time of day	Number of cakes sold
Before school	16
Break time	24
Lunch time	30
After school	12

The pictogram below is completed for **before school** and **break time**.

Before school	
Break time	
Lunch time	
After school	

Key:

represents \_\_\_\_ cakes

8 (a) Complete the key. [1 mark]

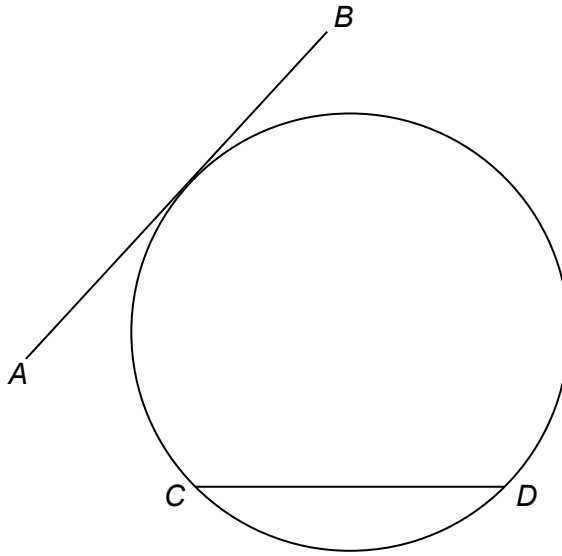
8 (b) Complete the pictogram for **lunch time** and **after school**. [2 marks]





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9 Here is a circle.



9 (a) Write down the name of line  $AB$ .

[1 mark]

Answer \_\_\_\_\_

9 (b) Write down the name of line  $CD$ .

[1 mark]

Answer \_\_\_\_\_

5

Turn over ►





Do not write  
outside the  
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10 Here are three lists of numbers

List A	3	3	3	6	9	9	10
--------	---	---	---	---	---	---	----

List B	1	1	5	6	8	9
--------	---	---	---	---	---	---

List C	1	3	5	8	8
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Complete the statements below.

[3 marks]

The list with the greatest mode is list \_\_\_\_\_

The list with the greatest median is list \_\_\_\_\_

The list with the greatest range is list \_\_\_\_\_

11  $x = 12$   
 $y = 15$

Work out the ratio  $2xy : x + y$   
Give your answer in its simplest form.

[3 marks]

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Answer \_\_\_\_\_





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12

Match each compass direction to its bearing.

[3 marks]

North	000°
South	045°
East	090°
South-East	135°
	180°
	270°

$\frac{\quad}{9}$

Turn over ►





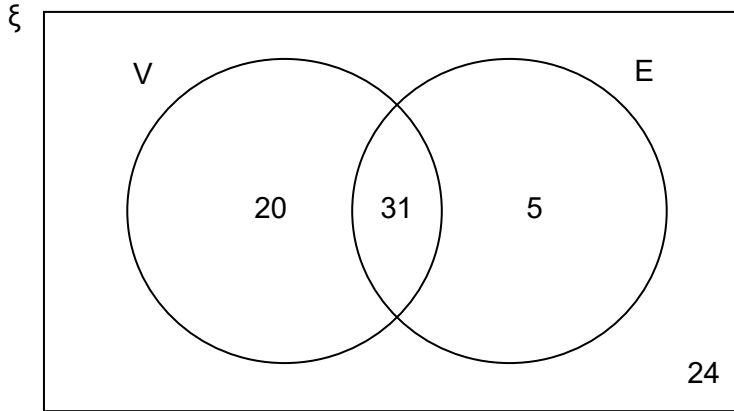
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13 80 students went on a school trip to a theme park.

$\xi$  = 80 students visiting a theme park

V = went on the ride called Vortex

E = went on the ride called Eclipse



13 (a) Write down the fraction of the students that went on the ride Vortex. [2 marks]

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Answer \_\_\_\_\_

13 (b) Work out the percentage of the students that did not go on either of the rides. [2 marks]

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Answer \_\_\_\_\_ %





Do not write  
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14 (a) Simplify  $a^3 \times a^3$

[1 mark]

Answer \_\_\_\_\_

14 (b) Simplify  $b^{100} \div b^2$

[1 mark]

Answer \_\_\_\_\_

14 (c) Simplify  $(c^2)^5$

[1 mark]

Answer \_\_\_\_\_

15 (a) Factorise  $6n + 12$

[1 mark]

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Answer \_\_\_\_\_

15 (b) Factorise  $m^2 - 2m$

[1 mark]

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Answer \_\_\_\_\_

$\frac{\quad}{9}$

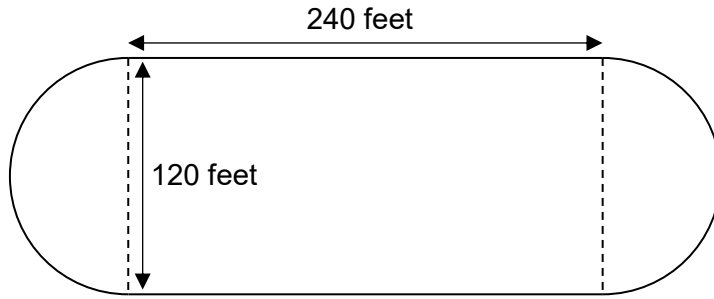
Turn over ►





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16 Here is a plan view of an ice rink made from a rectangle and two semi circles.

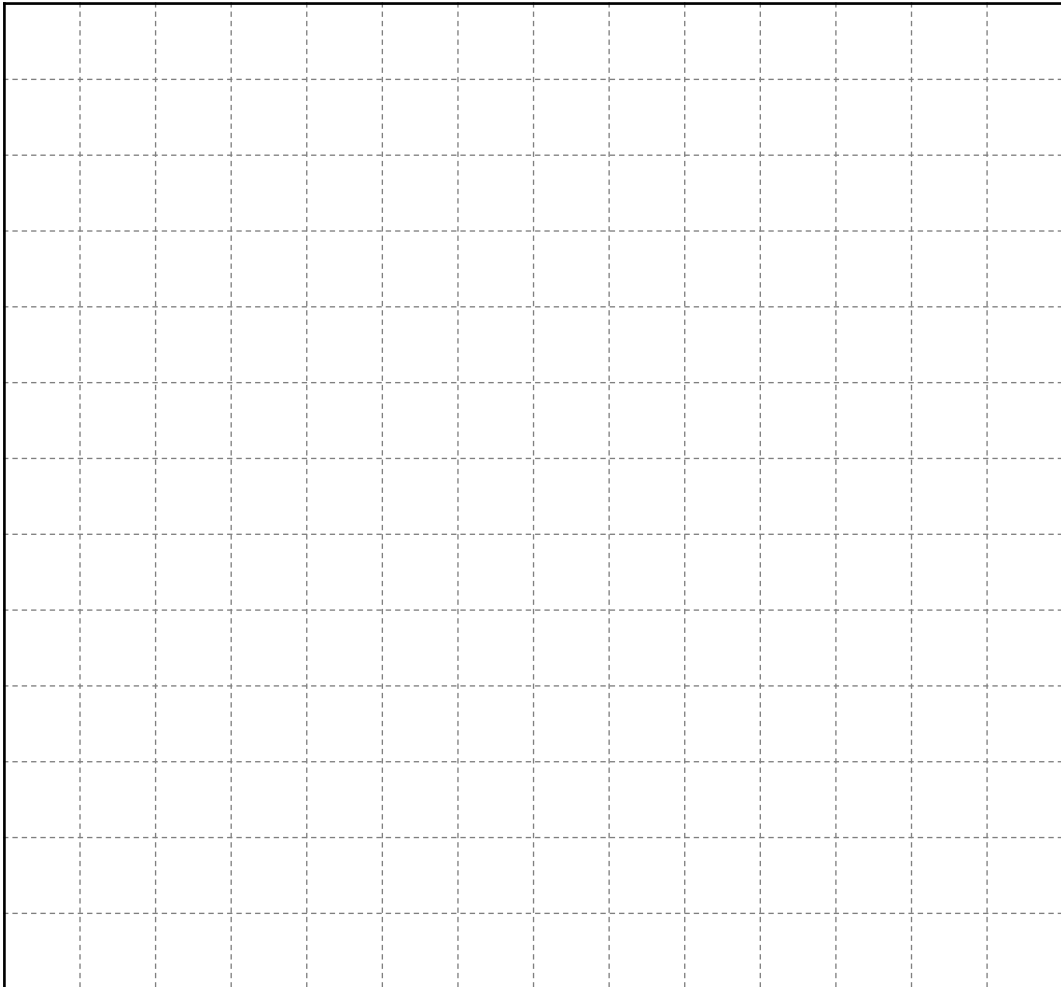


On the grid centimetre grid below, make an accurate scale drawing of the plan.

Use a scale of 1 cm represents 30 feet

[3 marks]

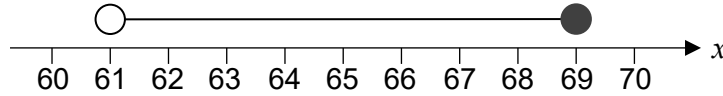
Scale: 1 cm represents 30 feet





Do not write  
outside the  
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17 The number line below shows an inequality for an integer  $x$



17 (a) Write down the smallest possible value for  $x$ . [1 mark]

Answer \_\_\_\_\_

17 (b) Write down a value for  $x$  that is a cube number. [1 mark]

Answer \_\_\_\_\_

17 (c) Write down a value for  $x$  that is a prime number. [1 mark]

Answer \_\_\_\_\_

6

Turn over ►

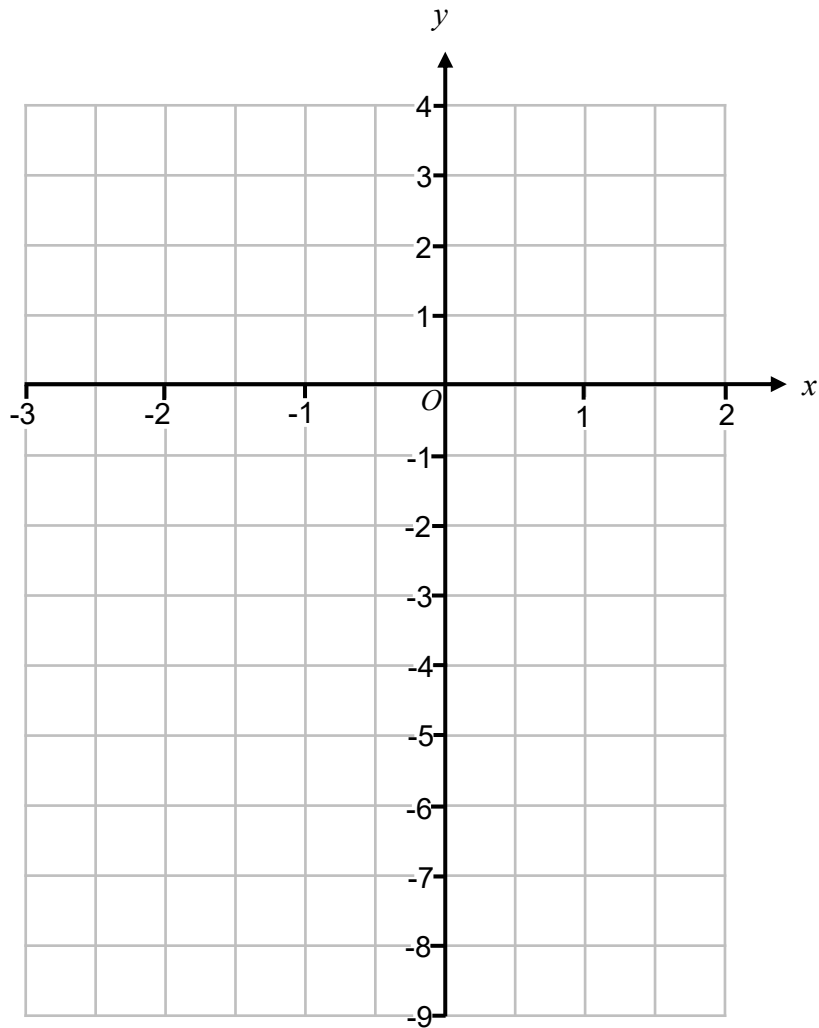




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box

18 On the grid, draw the graph of  $y = 2x - 1$  for values of  $x$  from -3 to 2

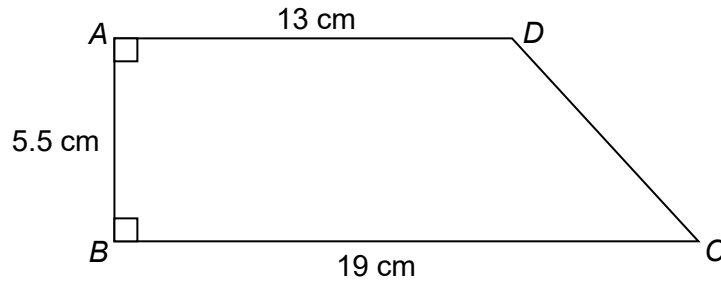
[3 marks]





Do not write  
outside the  
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19 Quadrilateral  $ABCD$  is the cross-section of a prism.



The prism has a length of 2.5 metres.

Work out the volume of the prism in  $\text{cm}^3$

[4 marks]

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Answer \_\_\_\_\_  $\text{cm}^3$

$\frac{\quad}{7}$

Turn over ►





Do not write  
outside the  
box

20 An episode of a TV show called “Price Busters” challenged viewers to record the prices of packets of crisps at their local shops.

The table below shows information about the prices, in pence, of 100 packets of crisps sent in by the viewers.

Price, ( $x$ pence)	Frequency		
$50 < x \leq 70$	9		
$70 < x \leq 90$	19		
$90 < x \leq 110$	45		
$110 < x \leq 130$	27		

20 (a) Work out an estimate for the mean price of a packet crisps. [3 marks]

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Answer \_\_\_\_\_ pence

20 (b) Trevor says

*“The greatest possible range of the prices of the packets of crisps is 80 pence”*

Is Trevor correct? Tick **one** box and give a reason for your answer. [1 mark]

Yes

No

Reason \_\_\_\_\_

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Do not write  
outside the  
box

20 In a different episode of "Price Busters", viewers recorded the prices of drinks.  
The lowest prices found for a can and a bottle of drink are shown below.



Can of drink
Capacity 330 ml
Price 35 pence

Bottle of drink
Capacity 2 litres
Price £1.95

20 (c) Which drink is better value for money?

Tick **one** box and show working to support your answer.

Can of drink

Bottle of drink

[3 marks]

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$\frac{\quad}{7}$

Turn over ►





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21 The  $n^{\text{th}}$  term of sequence **A** is  $80 - 3n$

The  $n^{\text{th}}$  term of sequence **B** is  $9n + k$ , where  $k$  is an integer.

The 8<sup>th</sup> term of sequence **A** is equal to the 5<sup>th</sup> term of sequence **B**.

Work out the value of  $k$ .

[4 marks]

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$$k = \underline{\hspace{10em}}$$

22 When rounded to 2 decimal places,  $d = 4.38$

Complete the error interval for  $d$ .

[2 marks]

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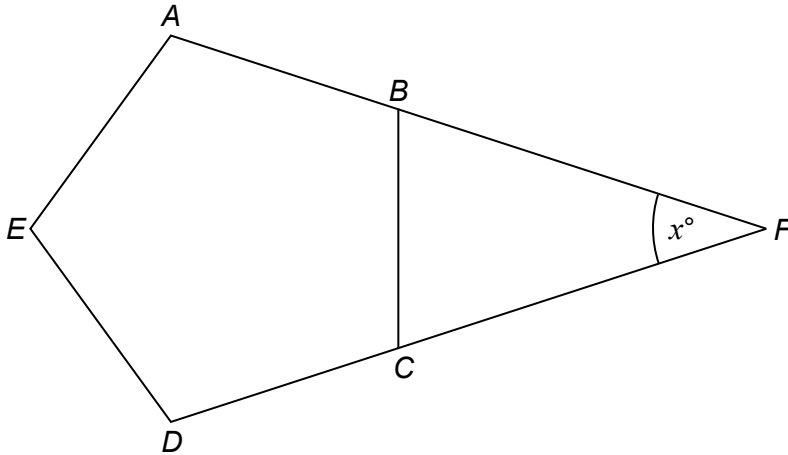
$$\underline{\hspace{10em}} \leq d < \underline{\hspace{10em}}$$





Do not write  
outside the  
box

23



$ABCDE$  is a regular pentagon.  
 $ABF$  and  $DCF$  are straight lines.

Work out the size of the angle marked  $x$ .

[4 marks]

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Answer \_\_\_\_\_ °

10

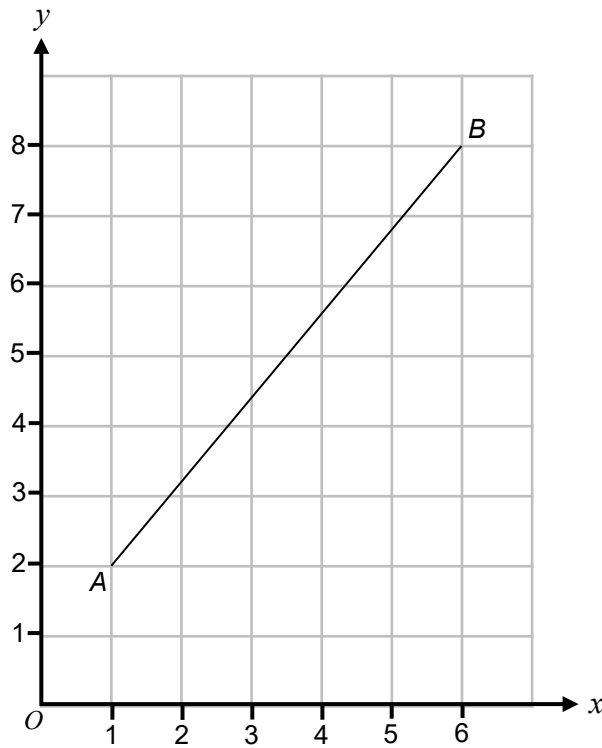
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24 The diagram below shows a line segment  $AB$  drawn on a centimetre grid.



24 (a) Work out the gradient of the line segment  $AB$ . [2 marks]

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Answer \_\_\_\_\_

24 (b) Work out the length of the line segment  $AB$  to 2 decimal places. [2 marks]

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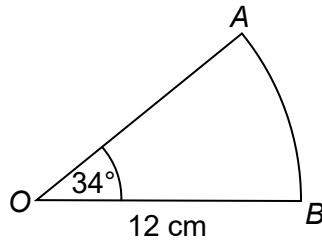
Answer \_\_\_\_\_ cm





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25  $OAB$  is a sector of a circle.



Not drawn  
accurately

25 (a) Work out the area of the sector.  
Give your answer to 1 decimal place. [2 marks]

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Answer \_\_\_\_\_  $\text{cm}^2$

25 (b) Work out the length of the arc  $AB$ .  
Give your answer to 1 decimal place. [2 marks]

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Answer \_\_\_\_\_  $\text{cm}$

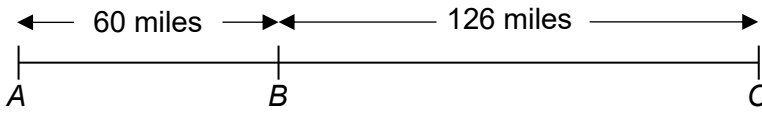
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26 Towns  $A$ ,  $B$  and  $C$  are connected by straight roads.



The distance between town  $A$  and town  $B$  is 60 miles.  
The distance between town  $B$  and town  $C$  is 126 miles.

Jeremy drives with a constant speed from town  $A$  to town  $B$  in 1h 30 minutes.

Jeremy then drives from town  $B$  to town  $C$ , but he increases his constant speed by 35%.

Work out how long it takes Jeremy to travel between towns  $B$  and  $C$ .  
Give your answer in hours and minutes.

[4 marks]

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Answer \_\_\_\_\_ hours \_\_\_\_\_ minutes

END OF QUESTIONS

$\frac{1}{4}$

