1st Class Maths

Video Solutions

SCAN ME

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**.

You can find a link to this paper and more completely free resources at www.1stclassmaths.com

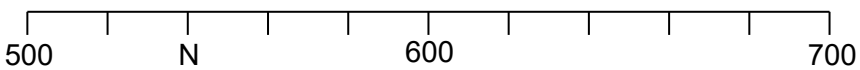
Do not write outside the box

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

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

Answer _____

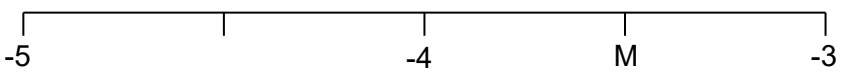
2 (a) Here is a number line.



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

Answer _____

2 (b) Here is another number line.



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

Answer _____

Do not write outside the box

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]**

_____

_____

_____

Answer _____

4 (b) Write down four multiples of 10 **[2 marks]**

_____

_____

_____

Answer _____

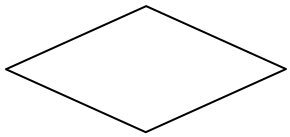
9

Do not write outside the box

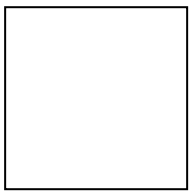
5 Here are some quadrilaterals.

Parallelogram

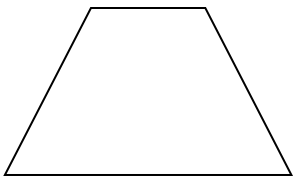
Rhombus



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]

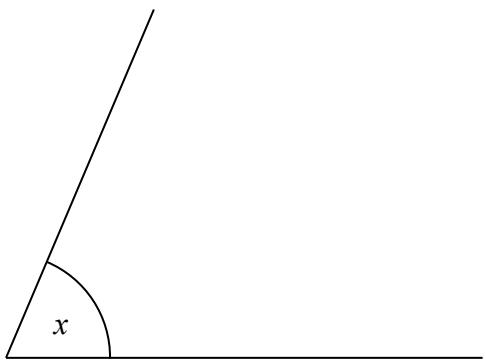
Answer _____

Do not write outside the box

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

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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: ⊕

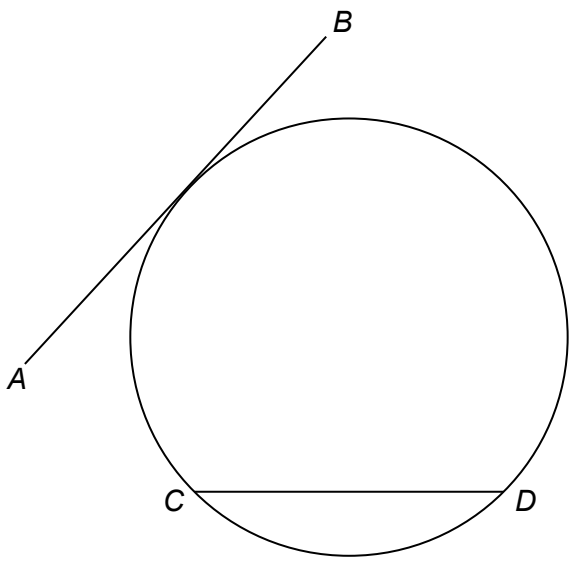
represents ____ cakes

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

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

Do not write outside the box

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

Do not write outside the box

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		

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 _____

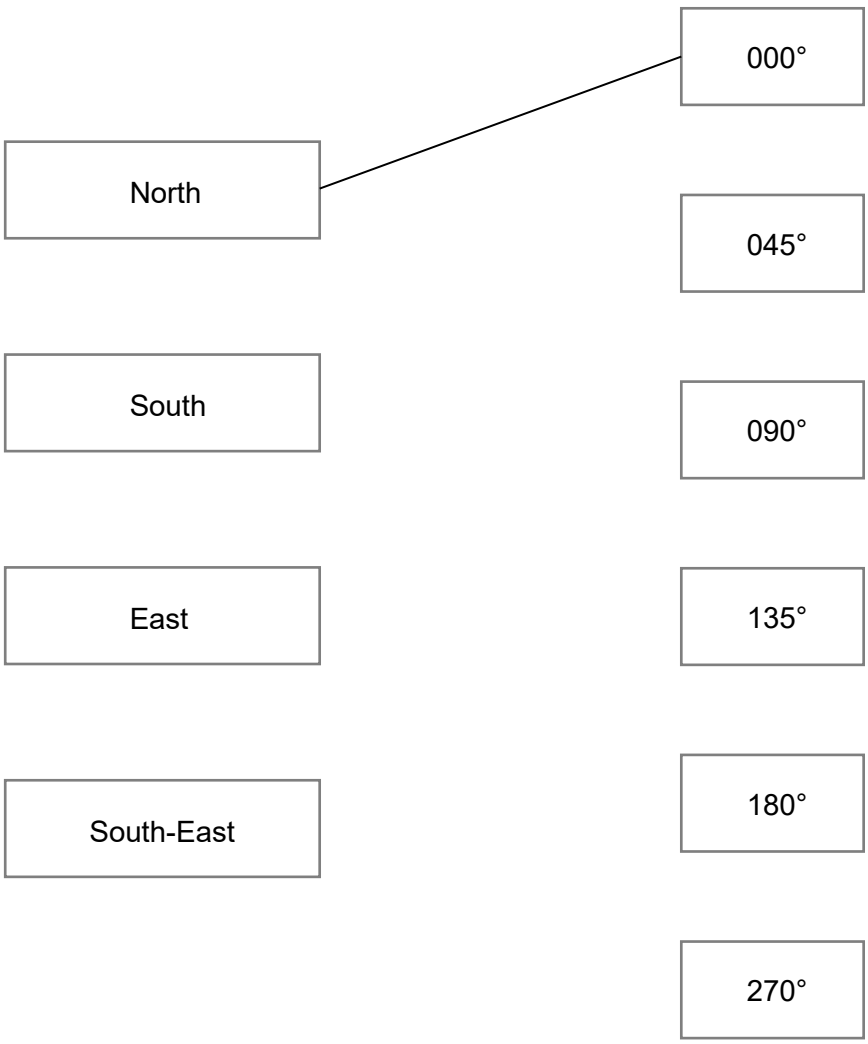
11 $x = 12$
$y = 15$

Work out the ratio $2xy : x + y$
Give your answer in its simplest form. **[3 marks]**

Answer _____

Do not write outside the box

12 Match each compass direction to its bearing. **[3 marks]**



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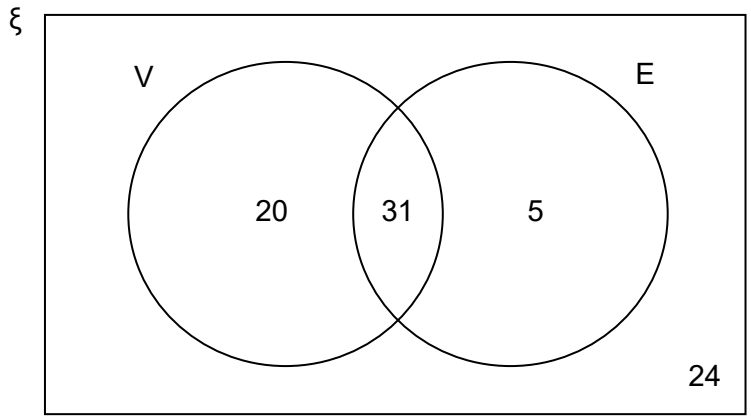
13 80 students went on a school trip to a theme park.

ξ = 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]**

Answer _____

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

Answer _____ %

Do not write outside the box

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]**

Answer _____

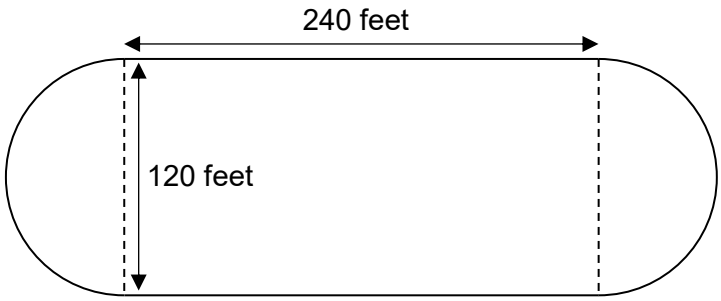
15 (b) Factorise $m^2 - 2m$ **[1 mark]**

Answer _____

9

Do not write outside the box

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



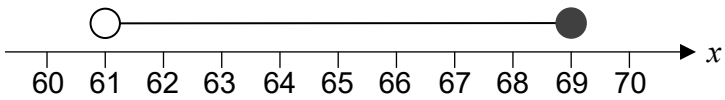
On the grid centimeter grid below, make an accurate scale drawing of the plan.

Use a scale of 1 cm represents 30 feet **[3 marks]**

Scale: 1 cm represents 30 feet

Do not write outside the box

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 _____

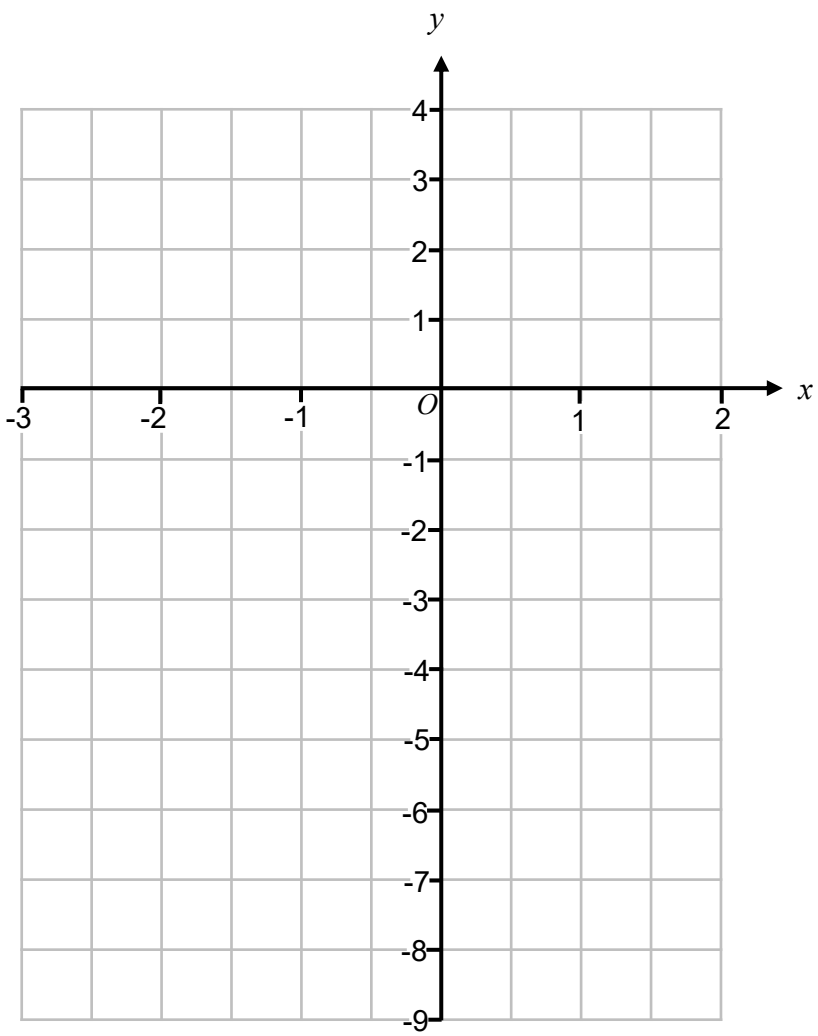
6

Turn over ▶

Do not write outside the box

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

[3 marks]



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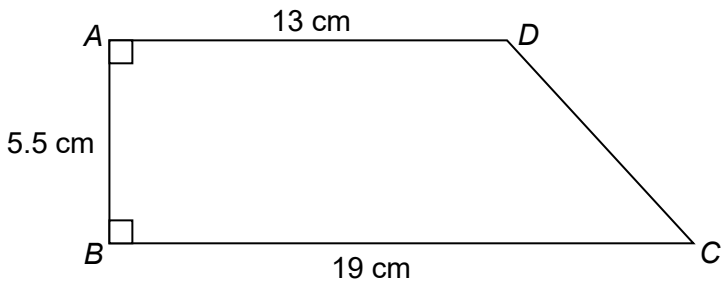
19 Quadrilateral *ABCD* is the cross-section of a prism.



The prism has a length of 2.5 metres.

Work out the volume of the prism in cm^3

[4 marks]

Answer _____ cm^3

7

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]**

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]**

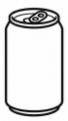
☐ Yes ☐ No

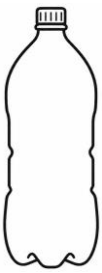
Reason _____

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	Bottle of drink
Capacity 330 ml Price 35 pence	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]

7

Do not write outside the box

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

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

The 8^{th} term of sequence **A** is equal to the 5^{th} term of sequence **B**.

Work out the value of k. **[4 marks]**

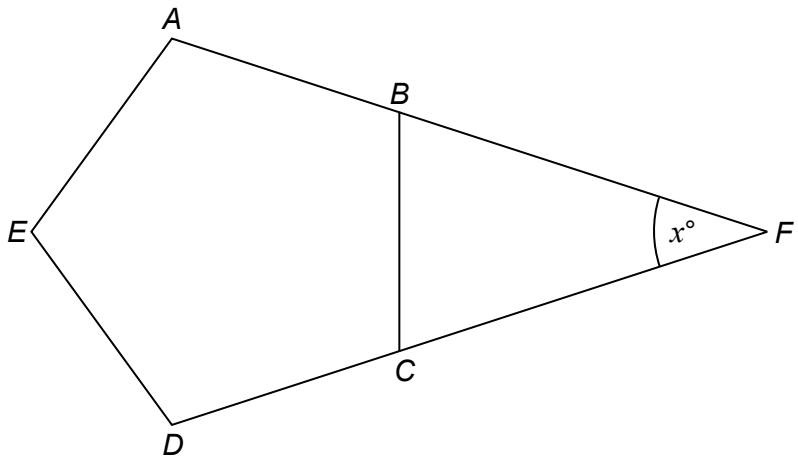
$k =$ _____

22 When rounded to 2 decimal places, $d = 4.38$
Complete the error interval for d. **[2 marks]**

_____ $\leqslant d <$ _____

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]**

Answer _____ °

10

Turn over ►

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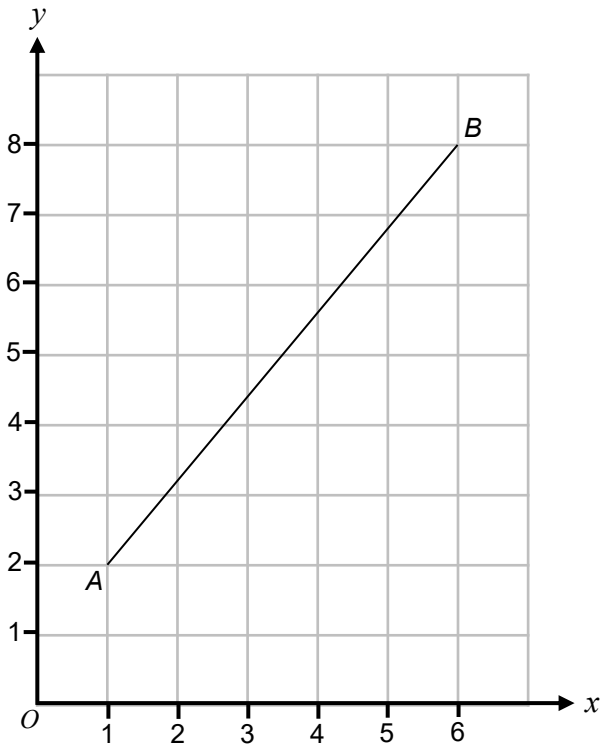
24 The diagram below shows a line segment AB drawn on a centimetre grid.



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

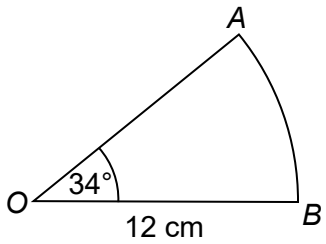
Answer _____

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

Answer _____ cm

Do not write outside the box

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]**

Answer _____ cm^2

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

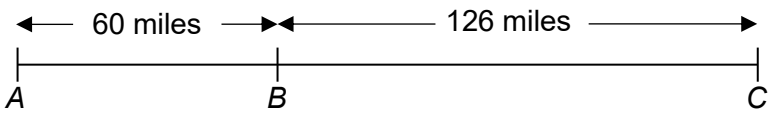
Answer _____ cm

8

Turn over ▶

Do not write outside the box

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]**

Answer _____ hours _____ minutes

END OF QUESTIONS

4