1st Class Maths

Video Solutions

SCAN ME

PRACTICE PAPER FOR

AQA Paper 1F (June 2026)

---------- Disclaimer ----------

This paper has been created based on some of the common paper 1 topics from previous years. 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 (a) Work out $(-5) \times 3$ **[1 mark]**

Answer _____

1 (b) Work out $(-5) + 3$ **[1 mark]**

Answer _____

2 (a) Simplify $m + m + m$ **[1 mark]**

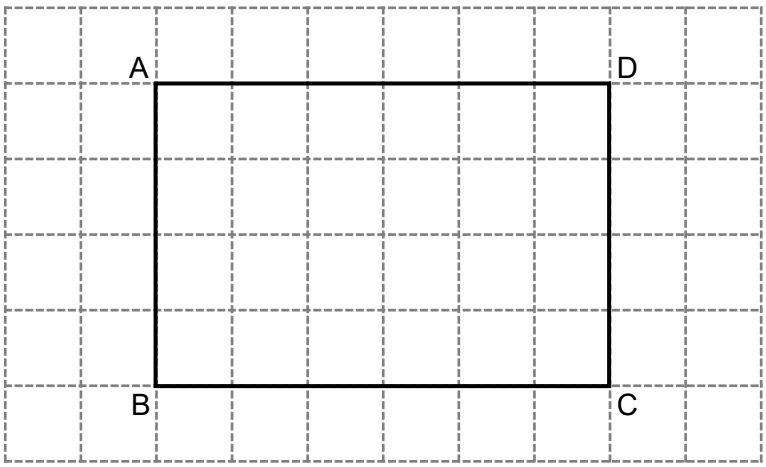
Answer _____

2 (b) Simplify $5 \times n \times n$ **[1 mark]**

Answer _____

Do not write outside the box

3 Rectangle ABCD is drawn on a centimetre grid.



3 (a) Work out the **area** of rectangle ABCD. **[1 mark]**

Answer _____ cm^2

3 (b) Work out the **perimeter** of rectangle ABCD. **[1 mark]**

Answer _____ cm

3 (c) Write down the side of rectangle ABCD that is **parallel** to side BC. **[1 mark]**

Answer _____

7

Do not write outside the box

4 Here are some numbers.

1	3	4	5	8	8	10

4 (a) Write down the mode. **[1 mark]**

Answer _____

4 (b) Write down the median. **[1 mark]**

Answer _____

4 (c) Work out the range. **[1 mark]**

Answer _____

5 Write down the value of the digit 7 in 67314 **[1 mark]**

Answer _____

Do not write outside the box

6 Work out 2×5^2 **[2 marks]**

Answer _____

7 Samir wants to buy 20 fish.
He attends a market and sees the following sign.

All fish £1 each
Special Offer: Buy 6 fish for £5

Work out how much it will cost Samir to buy 20 fish. **[3 marks]**

Answer £ _____

9

Do not write outside the box

8 (a) Write down the next number in the sequence of square numbers. **[1 mark]**

1 4 9 16

Answer _____

8 (b) Work out the next number in the sequence of cube numbers. **[1 mark]**

1 8 27 64

Answer _____

9 Jack thinks of a number.

One of the factors of Jack's number is 10.

For each statement below, tick the correct box. **[3 marks]**

	Must be True	Must be False	Cannot tell
5 is a factor of Jack's number	☐	☐	☐
20 is a factor of Jack's number	☐	☐	☐
7 is a factor of Jack's number	☐	☐	☐

Do not write outside the box

10 (a) Work out $\frac{3}{8} + \frac{1}{4}$ **[2 marks]**

Give your answer as a fraction in its simplest form

Answer _____

10 (b) Work out $\frac{2}{9} \times 5$

Give your answer as a mixed number in its simplest form **[2 marks]**

Answer _____

9

Do not write outside the box

11 Here are two calculations, **A** and **B**.

A	20% of 125
B	$\frac{3}{4}$ of 32

Work out which calculation is greater.
You must show your working.

[4 marks]

Answer _____

Do not write outside the box

12 (a) Solve $7x - 3 = 25$ **[2 marks]**

$x =$ _____

12 (b) Factorise $22p - 33q$ **[1 mark]**

Answer _____

12 (c) $c = 5a - b$

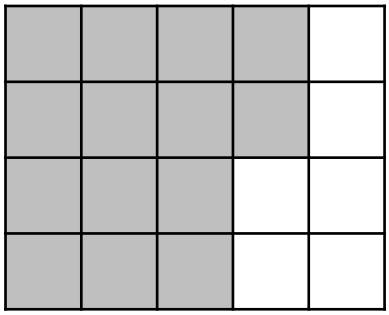
Work out the value of c when $a = 8$ and $b = 13$ **[2 marks]**

Answer _____

9

Do not write outside the box

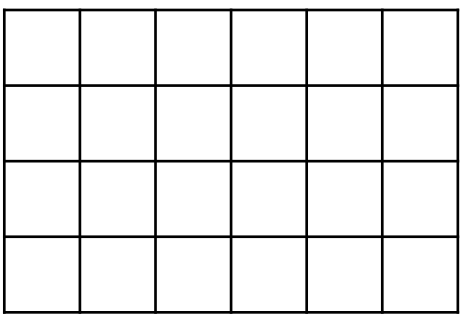
13 (a) Here is a centimetre grid.



Write down the ratio of shaded squares to unshaded squares.
Give your answer in its simplest form. **[2 marks]**

Answer _____ : _____

13 (b) Here is another centimetre grid.

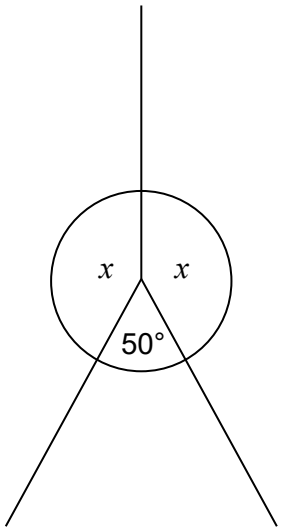


Shade squares on the grid so that

shaded squares : unshaded squares = 1 : 7 **[2 marks]**

Do not write outside the box

14



Not drawn accurately

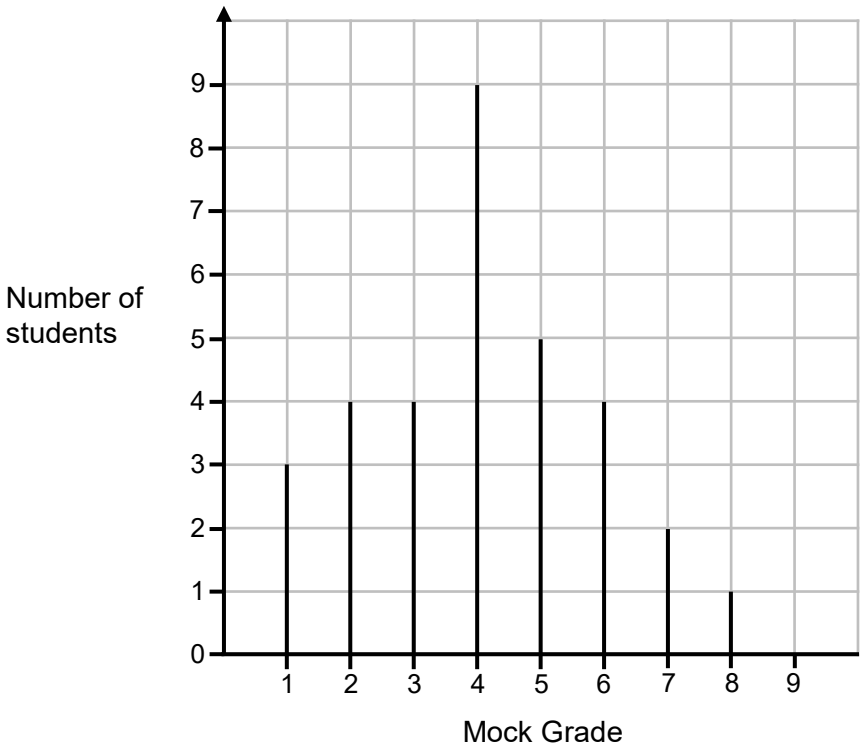
Work out the value of x **[3 marks]**

Answer _____ °

7

Do not write outside the box

15 The vertical line chart shows the GCSE English mock exam grades for a class of students.



15 (a) Write down the modal grade. **[1 mark]**

Answer _____

15 (b) One of the students in the class is selected at random.

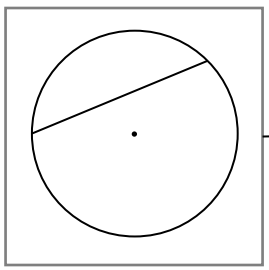
Work out the probability that this student achieved a grade 7. **[3 marks]**

Answer _____

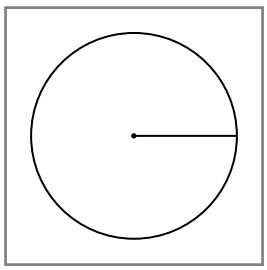
Do not write outside the box

16 Match each diagram to its description. **[3 marks]**

One has been done for you.

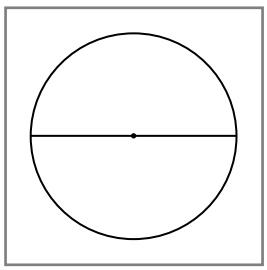


Chord

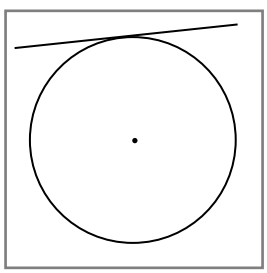


Diameter

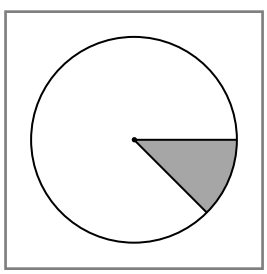
Radius



Sector



Segment



Tangent

7

Do not write outside the box

17 (a) Simplify $x^2 \times x^5$ **[1 mark]**

Answer _____

17 (b) Simplify $y^{12} \div y^3$ **[1 mark]**

Answer _____

17 (c) Simplify $(z^3)^3$ **[1 mark]**

Answer _____

18 $23^2 = 529$

18 (a) Write down the value of 2.3^2 **[1 mark]**

Answer _____

18 (b) Write down the value of $52900 \div 23$ **[1 mark]**

Answer _____

Do not write outside the box

19 Write $3\frac{1}{3} : \frac{2}{3}$ in the form $n : 1$ **[2 marks]**

Answer _____ : 1

20 x and y are integers

$x < 11$ and $-5 \leq y < 4$

20 (a) Write down the largest possible value of x **[1 mark]**

Answer _____

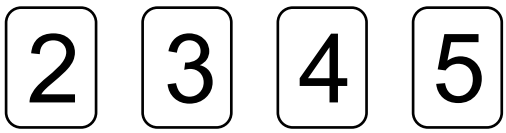
20 (b) Work out the largest possible value of y^2 **[2 marks]**

Answer _____

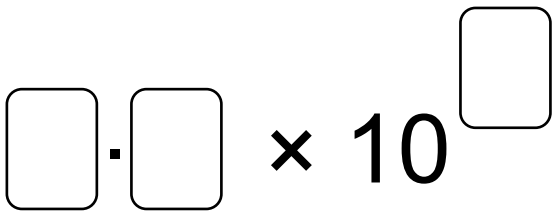
10

Do not write outside the box

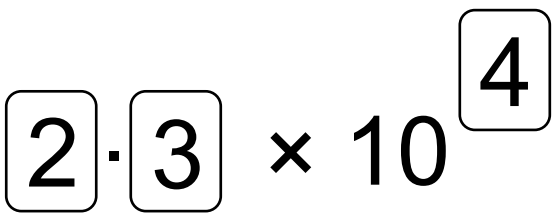
21 Here are four numbered cards.



Students are asked to use **three** of the cards to make a number in standard form using the layout below.



21 (a) Jill uses makes the following number.



Write the number that Jill made as an ordinary number. **[1 mark]**

Answer _____

Do not write outside the box

21 (b) Oliver makes the largest number possible using three of the cards.

Write numbers in the boxes below to show Oliver's number. **[1 mark]**

$$\square.\square \times 10^{\square}$$

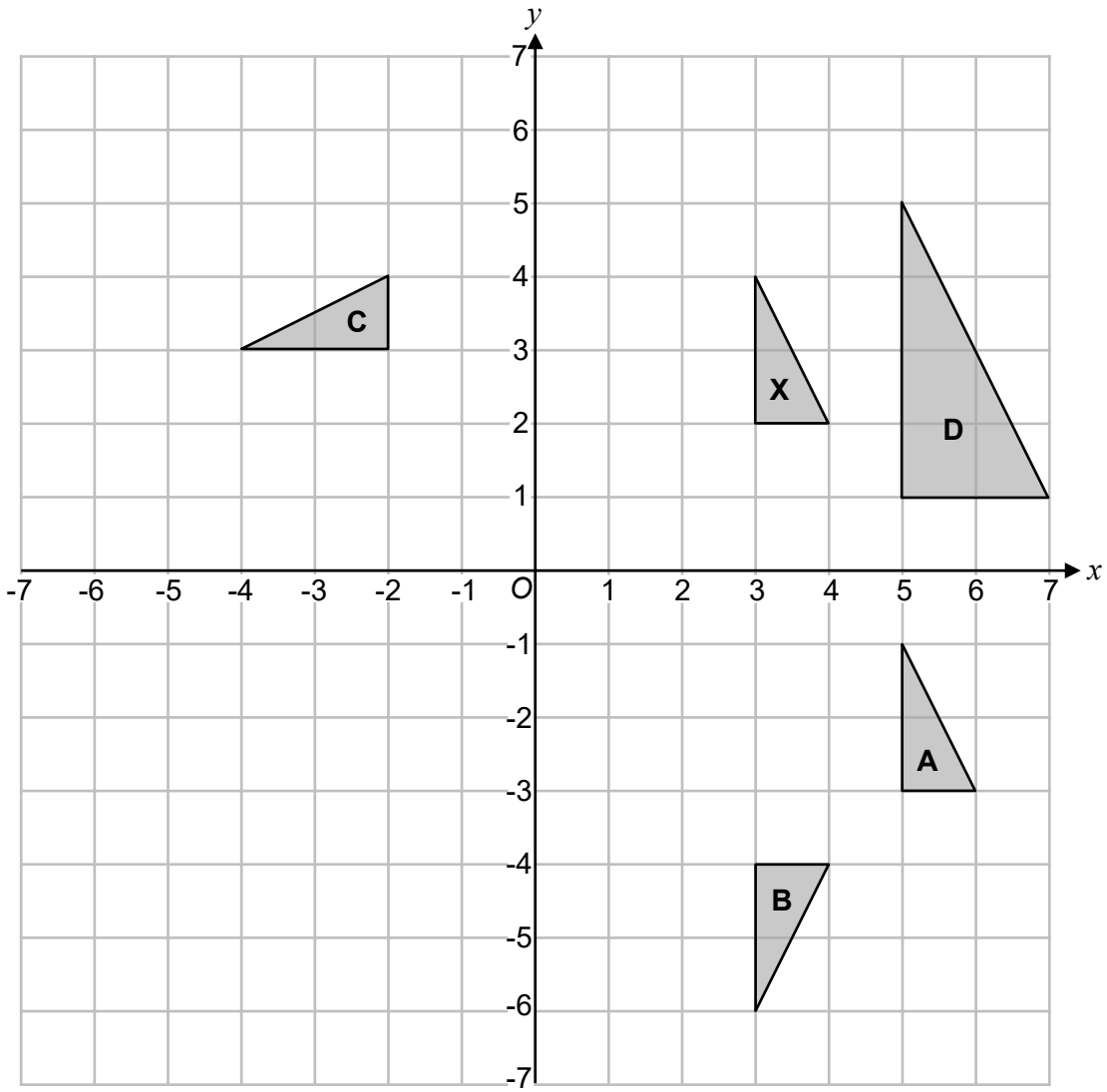
21 (c) Charlotte makes the number that is as close as possible to 3000 using three of the cards.

Write numbers in the boxes below to show Charlotte's number. **[1 mark]**

$$\square.\square \times 10^{\square}$$

3

22



22 (a) The transformation that maps shape **X** onto shape **A** is

a translation by the vector $\begin{pmatrix} 2 \\ -5 \end{pmatrix}$

Describe fully the single transformation that maps shape **A** onto shape **X**. **[1 mark]**

Do not write outside the box

22 (b) The transformation that maps shape **X** onto shape **B** is

a reflection in the line $y = -1$

Describe fully the single transformation that maps shape **B** onto shape **X**. **[1 mark]**

22 (c) The transformation that maps shape **X** onto shape **C** is

a rotation, 90° anticlockwise about (0,0)

Describe fully the single transformation that maps shape **C** onto shape **X**. **[1 mark]**

22 (d) The transformation that maps shape **X** onto shape **D** is

an enlargement, scale factor 2, about the point (1, 3)

Describe fully the single transformation that maps shape **D** onto shape **X**. **[1 mark]**

4

Do not write outside the box

23 A bag contains 30 counters that are either red or blue.

number of red counters : number of blue counters = n : 1

n is an integer greater than 1.

Work out all the possible values for n. **[3 marks]**

Answer _____

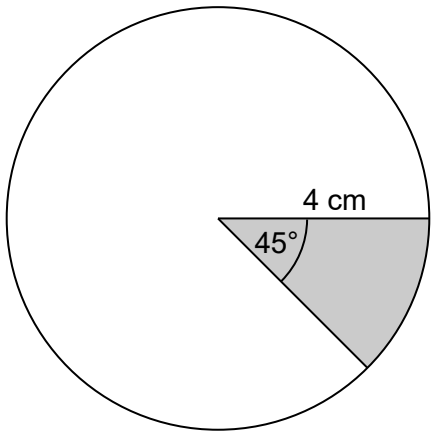
24 The nth term of a linear sequence is $6n - 1$

Work out the first term of the sequence that is not a prime number. **[3 marks]**

Answer _____

Do not write outside the box

25 Here is a circle with a radius of 4 cm.



Not drawn accurately

Work out the area of the shaded sector.
Give your answer in terms of π.

[3 marks]

Answer _____ cm^2

9

Turn over ▶

Do not write outside the box

26 Here is some information about Kye's mock exam papers for maths.

- Paper 1 mark = 45
- Paper 2 mark = 2 × Paper 3 mark

Kye's mean mark for all three papers was 40.

Work out how many marks Kye scored in Paper 3. **[4 marks]**

Answer _____

27 (a) Write down the value of sin 0° **[1 mark]**

Answer _____

27 (b) Write down the value of cos 0° **[1 mark]**

Answer _____

END OF QUESTIONS

6