



Class Maths

Video Solutions



PRACTICE PAPER FOR

Edexcel 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**.

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Answer ALL questions

Write your answers in the spaces provided

You must write down all the stages in your working.

1 Write 36% as a decimal.

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

2 Work out 2^3

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

3 Work out $-8 + 3$

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

4 Solve $k - 4 = 10$

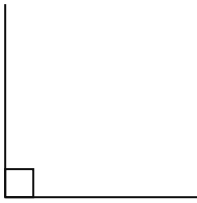
$k =$
(Total for Question 4 is 1 mark)

5 Simplify fully $\frac{6}{30}$

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



6 Write down the size of the angle shown below.



.....
(Total for Question 6 is 1 mark)

7 Work out $10 - 3 \times 2$

.....
(Total for Question 7 is 1 mark)

8 Here are the first five terms of a sequence

2 16 30 44 58

(a) Write down the next term of the sequence

(b) Write down a term of the sequence that is a factor of 6

(c) Write down a term of the sequence that is a square number

.....
(1)
.....
(1)
.....
(1)
(Total for Question 8 is 3 marks)

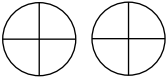

9 Between 9 am and 12 pm a cafe sold 20 teas and 14 coffees.

- (a) Write down the ratio of the number teas sold to the number of coffees sold.
Give your answer in its simplest form.


.....
(1)

The cafe owner represents the information about the number of teas and coffees sold on the following pictograms.

Number of teas sold




9 am – 10 am	
10 am – 11 am	
11 am – 12 pm	

Key:



represents 4 teas

Number of coffees sold

9 am – 10 am	
10 am – 11 am	
11 am – 12 pm	

Key:

The pictogram for number of teas sold is incomplete and the pictogram for number of coffees sold is complete but missing a key.

- (b) Complete the pictogram for the number of teas sold. (1)
- (c) Complete the key for the number of coffees sold. (1)

(Total for Question 9 is 3 marks)

10 Write the following amounts in order of size.
Start with the smallest.

1.45 kg

1.5 kg

155 g

1.6 g

.....
(Total for Question 10 is 2 marks)

11 (a) Simplify $a \times a \times a + b \times b$

.....
 (2)

(b) Expand $3(n - 5m)$

.....
 (1)

$h = -3$

(c) Work out the value of h^2

.....
 (1)

(Total for Question 11 is 4 marks)

12 15 students completed a maths test where the maximum mark was 40.

The stem and leaf diagram below shows marks of the 15 students.

1	5	7	8			
2	2	2	3	8	9	
3	0	3	5	7	8	9
4	0					

Key	
1	5 = 15 marks

(a) Write down the modal mark.

.....
(1)

(b) Work out the median mark.

.....
(1)

To pass the test, students were required to score at least 30 marks.

One student from the class is selected at random.

(c) Work out the probability that the selected student passed the maths test.

.....
(2)

(Total for Question 12 is 4 marks)



13 Ross uploads a video to his YouTube channel.

20% of the viewers of the video are subscribers and the rest are not subscribers.

- (a) Write the ratio of viewers who are subscribers to viewers who are not subscribers. Give your answer in its simplest form.

.....
(2)

For this video,

number of viewers who left a comment: number of viewers who did not leave a comment = 3 : 5

- (b) Write down the fraction of the viewers that left a comment.

.....
(1)

(Total for Question 13 is 3 marks)

14 $2 < p \leq 12$
 $12 < q < 30$

p and q are integers
 p is a prime number.
 q is a multiple of 6

(a) Write down all the possible values for p

.....
(2)

(b) Write down all the possible values for q

.....
(2)

(c) Solve $\frac{3w}{2} > 9$

.....
(2)

(Total for Question 14 is 6 marks)



15 There are 80 cars in a car park.

40% of the cars are white.

(a) Work out how many of the cars in the car park are **not** white.

.....
(3)

The car park also contains 65 vans.

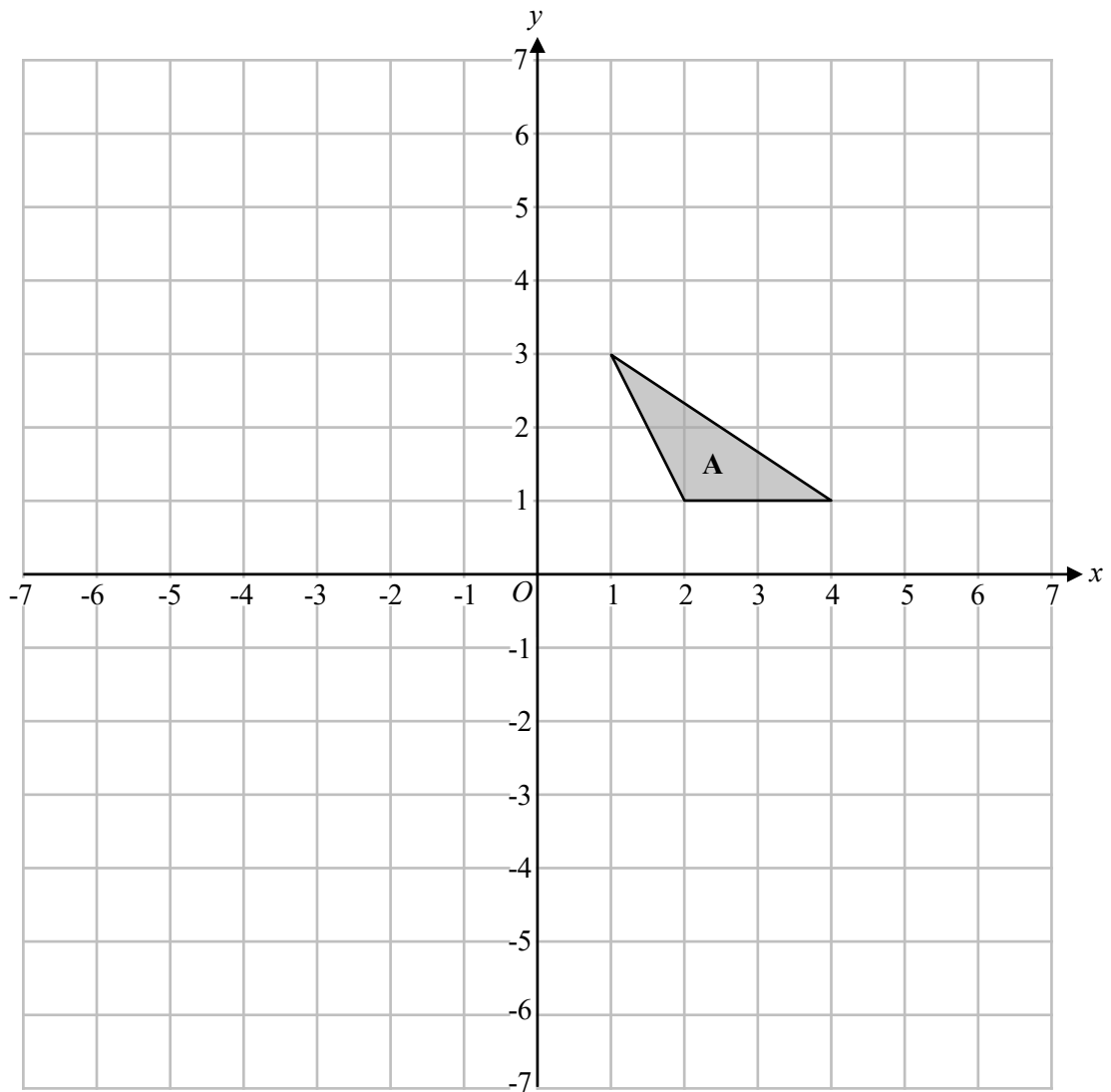
Amy claims that 10% of the vans are blue.

(b) Explain why Amy must be incorrect.

.....
.....
.....
.....

(1)
(Total for Question 15 is 4 marks)

16



(a) Reflect triangle **A** in the line $x = -1$

Label the new triangle **B**

(2)

(b) Translate triangle **A** by the vector $\begin{pmatrix} -2 \\ 3 \end{pmatrix}$

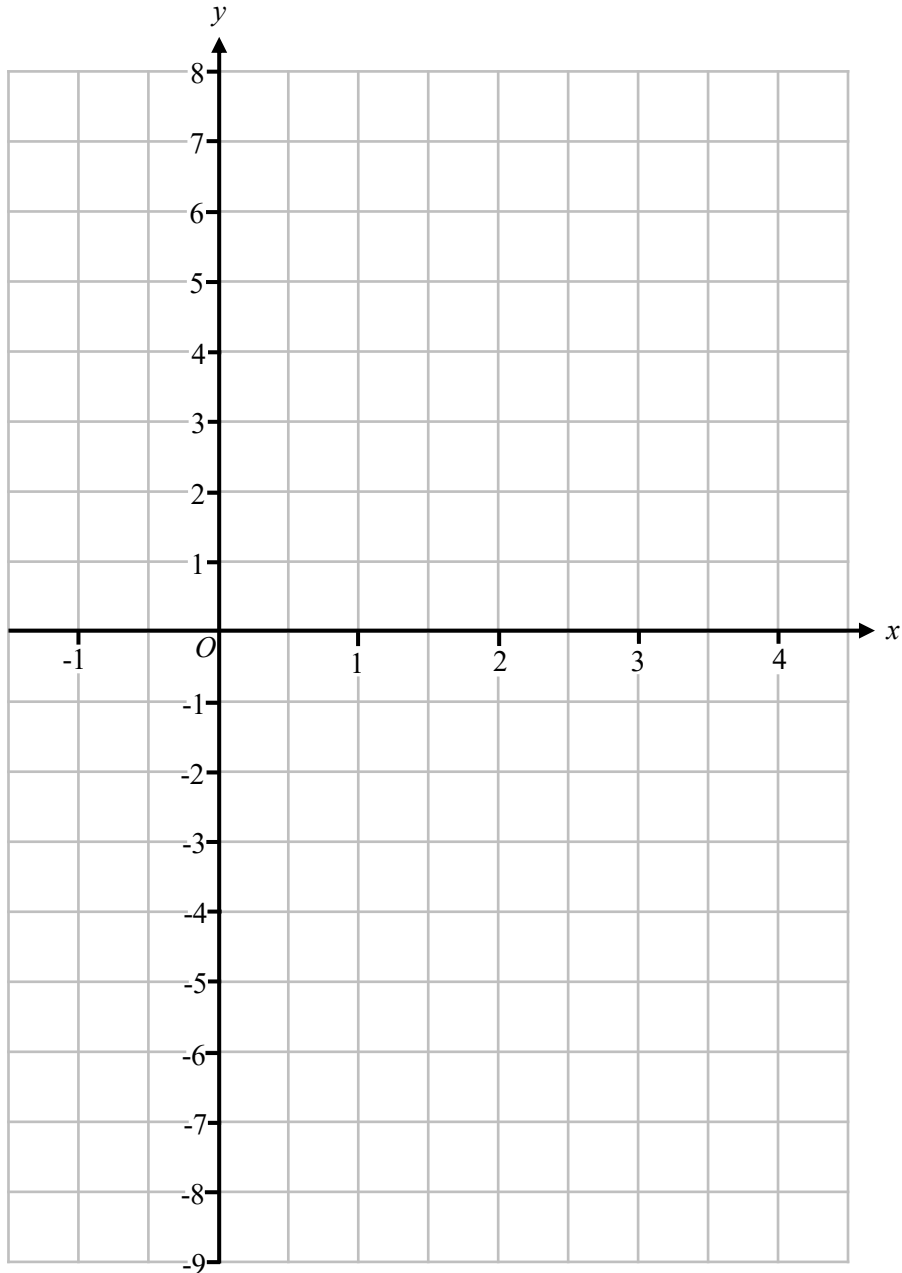
Label the new triangle **C**

(2)

(Total for Question 16 is 4 marks)

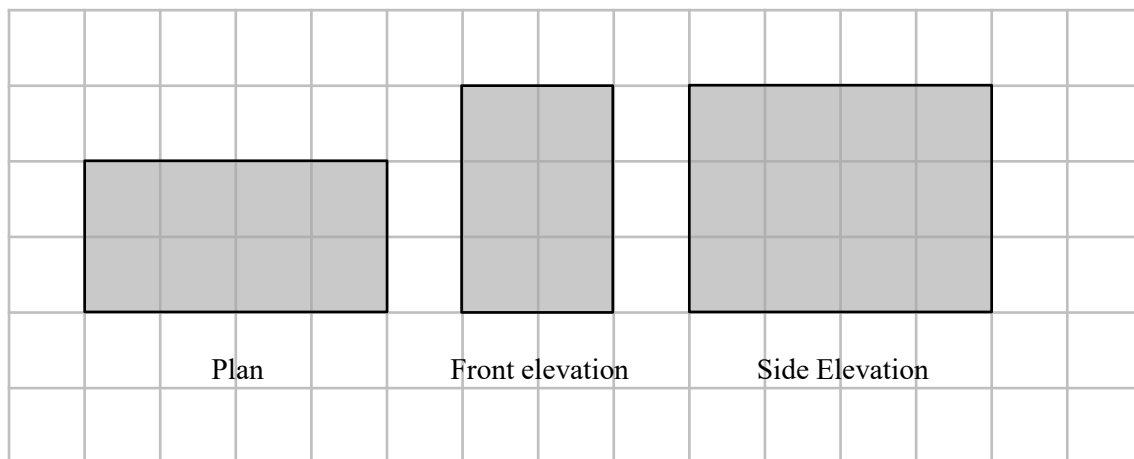


17 On the grid, draw the graph of $y = 3x - 5$ for values of x from -1 to 4



(Total for Question 17 is 3 marks)

18 The diagram shows the plan, front elevation and side elevation of a cuboid, on a centimetre grid.



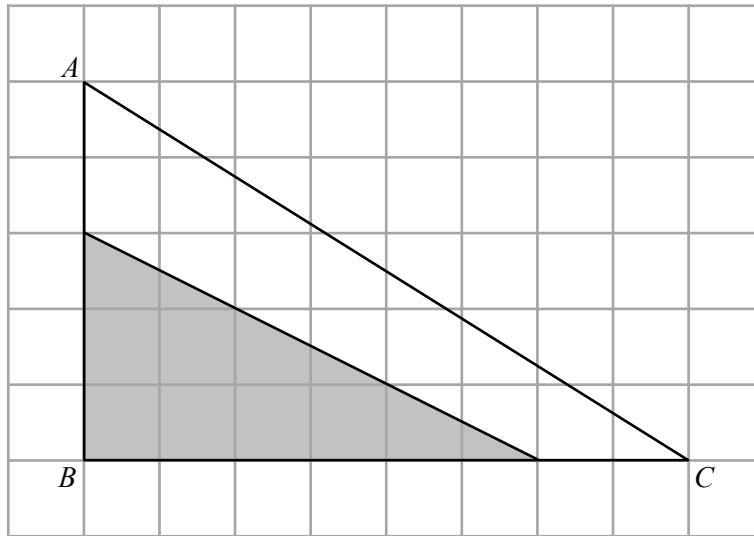
Work out the surface area of the cuboid.

.....cm²

(Total for Question 18 is 3 marks)



19 Triangle ABC is drawn on a centimetre grid.



Work out the percentage of triangle ABC that is shaded.

..... %

(Total for Question 19 is 4 marks)

20 Work out 0.64^2

.....
(Total for Question 20 is 3 marks)

21 Show that $2\frac{2}{7} \times 3\frac{1}{2}$ is equal to an integer.

(Total for Question 21 is 3 marks)



22 (a) Work out the value of $4^0 - 4^{-1}$

.....
(2)

(b) Write $(7^2 \times 7^3)^5$ in the form 7^n where n is an integer.

.....
(2)

(Total for Question 22 is 4 marks)

23 $11 \times 13 \times 14 = 2002$

Write 8008 as a product of its prime factors.

.....
(Total for Question 23 is 3 marks)

24 A school library has 360 books.

$\frac{2}{3}$ of the books are old and the rest are new.

85% of the old books are fiction and the rest are non-fiction.

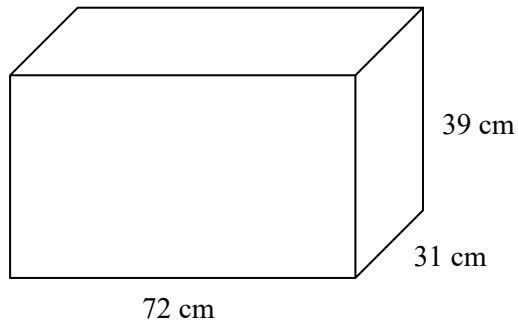
$\frac{5}{6}$ of the new books are fiction and the rest are non-fiction.

Work out the number of books in the library that are non-fiction.

.....
(Total for Question 24 is 5 marks)



25 The diagram below shows a fish tank in the shape of a cuboid.



The fish tank is filled with water at a rate of 8.1 litres per minute.

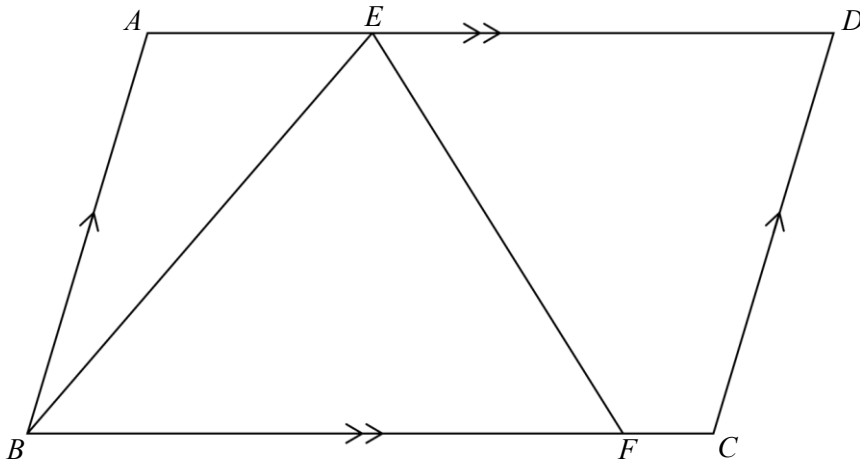
1 litre = 1000 cm³

Work out an estimate for the time taken to completely fill the fish tank.
Give your answer in minutes.

.....minutes

(Total for Question 25 is 4 marks)

26



$ABCD$ is a parallelogram.

$$\text{Angle } BED = 3 \times \text{angle } FBE$$

$$\text{The size of angle } EFB : \text{the size of angle } EFC = 3 : 7$$

Work out the size of angle BEF .

Give a reason for each stage of your working.

.....
 (Total for Question 26 is 5 marks)

27 Make a the subject of $v = u + at$

.....
(Total for Question 27 is 2 marks)

28 Write down the value of $\sin 90^\circ$

.....
(Total for Question 28 is 1 mark)

TOTAL FOR PAPER IS 80 MARKS

