

PRACTICE PAPER FOR

Edexcel Paper 3F (June 2023)

----- Disclaimer -----

In 2022 I wrote a series of predicted papers that in many cases reflected the real exam paper very well. This was due to the exam boards providing advance information on the topics that were going to be in each paper. This information is no longer provided so "predicting" a paper is not possible. Nobody can know what topics and types of questions will come up in each paper, apart from the few examiners that write them.

This paper has been created based on the **most common** paper 2/3 topics from previous years as well as careful analysis of the topics that have already appeared in paper 1/2. The paper should be excellent at helping students revise for exams, however 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 for the reasons previously mentioned. Some topics may appear, some may not.

Ultimately 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.	
Trite down the value of the number 6 in the number 7261	
(Total for Question 1 is 1 ma	ırk)
Vork out the value of 4^4	
(Total for Question 2 is 1 m	ark)
Vrite down a square number between 30 and 50	
(Total for Question 3 is 1 m	ark)
Vrite $\frac{3}{4}$ as a percentage	
(Total for Question 4 is 1 ma	іГК)

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5	The probability that Kevin passes his driving test is 0.4 Work out the probability that Kevin does not pass his driving test.		
	(Total for Question 5 is 1 mark)		
6	m = 5k - 6		
	Find the value of m when $k = 17$		
	(Total for Question 6 is 2 marks)		
7	Here is an equilateral triangle.		
	Write down the size of angle <i>x</i> .		
	<i>x</i> =		
	(Total for Question 7 is 1 mark)		

3





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10 The bar chart below shows the number of goals scored by three members of a football team.





11 60 students took part in a maths challenge.

All of the students received a certificate.

 $\frac{1}{3}$ of the students were in Year 8 and the rest were in Year 9.

5 students received a gold certificate and 1 of them was in Year 8. 26 students received a silver certificate and 15 of them were in Year 9. Complete the two-way table below.

	Gold	Silver	Bronze	Total
Year 8				
Year 9				
Total				

(Total for Question 11 is 3 marks)

12 Tracey is booking a flight.

She must choose her ticket type and seat location.

Booking Information

Ticket Type

First Class Business Class Economy Class

Window Seat Aisle Seat

Seat Location

Write down all the possible combinations Tracey can choose.

(Total for Question 12 is 2 marks)



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6

🕨 🔰 🚺 🞯 @1stclassmaths 13 The stem and leaf diagram below shows information about the masses of some goats on a farm. 1 8 2 4 5 5 7 7 8 9 Key: 1 8 represents 18 kg 3 1 1 4 5 6 4 3 3 4 5 0 5 1 (a) Work out the median mass of the goats. kg (2) (b) Work out the range of the masses of the goats. kg (2) (Total for Question 13 is 4 marks) 14 Here are some exchange rates for pounds (\pounds) , euros (\pounds) and dollars (\$)£1 = €1.17 $\pounds 1 = \$1.26$ Betty changes \$200 into euros. Work out how many euros Betty will receive. Give your answer to 2 decimal places. €.....

(Total for Question 14 is 3 marks)



15 (a) Complete the table of values for y = 1 - 3x

x	-2	-1	0	1	2	3
у			1			-8

(2)

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(b) On the grid, draw the graph of y = 1 - 3x for values of x from -2 to 3



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17 A headteacher wants to do a survey to find out if students want more homework. He asks every student in Year 11.

The pie chart below shows the results.



(a) Write as a ratio, the number of students who said Yes to the number of students who said No. Give your answer in its simplest form.

(2)

There are 120 students in Year 11.

The headteacher says that the pie chart shows that not every student in Year 11 answered the survey.

(b) Explain why the headteacher is correct.

(2) (Total for Question 17 is 4 marks)



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20 Here is a square, a parallelogram and a trapezium.



Two copies of the square and the trapezium and one copy of the parallelogram are used to make rectangle *ABCD* shown below.



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23 (a) Find the Highest Common Factor (HCF) of 63 and 105	
(b) Find the Lowest Common Multiple (LCM) of 48 and 80	(2)
(Total for Question	(2) a 23 is 4 marks)
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24 The table shows information about the prices of 55 ties for sale in a tie shop.

Price , (<i>p</i> £)	Frequency
0	21
10	8
20	9
30	8
40	7
50	2

(a) Write down the modal class.

(b) Find the class interval that contains the median price.

(1)

(1)

(Total for Question 24 is 2 marks)

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18



