

Write your name here	
Surname	Other names
Pearson Edexcel	Centre Number
Level 1/Level 2 GCSE (9-1)	Candidate Number
<h1 style="margin: 0;">Mathematics</h1> <h2 style="margin: 0;">Paper 1 (Non-Calculator)</h2> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> Aiming for 4 Foundation Tier </div>	
Spring 2022 Practice Paper Time: 45 minutes	Paper Reference 1MA1/1F
You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser. Tracing paper may be used.	Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
– *there may be more space than you need.*
- You must **show all your working**.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- **Calculators may not be used.**



Information

- The total mark for this paper is 40. There are 19 questions.
- Questions have been arranged in an ascending order of mean difficulty, as found by all students in the November examinations
- Questions marked with an asterisk (*) also appear on the Higher Tier paper.
- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

Answer ALL NINETEEN questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 Here is a list of numbers.

5 11 18 22 29

From the list, write down a multiple of 3

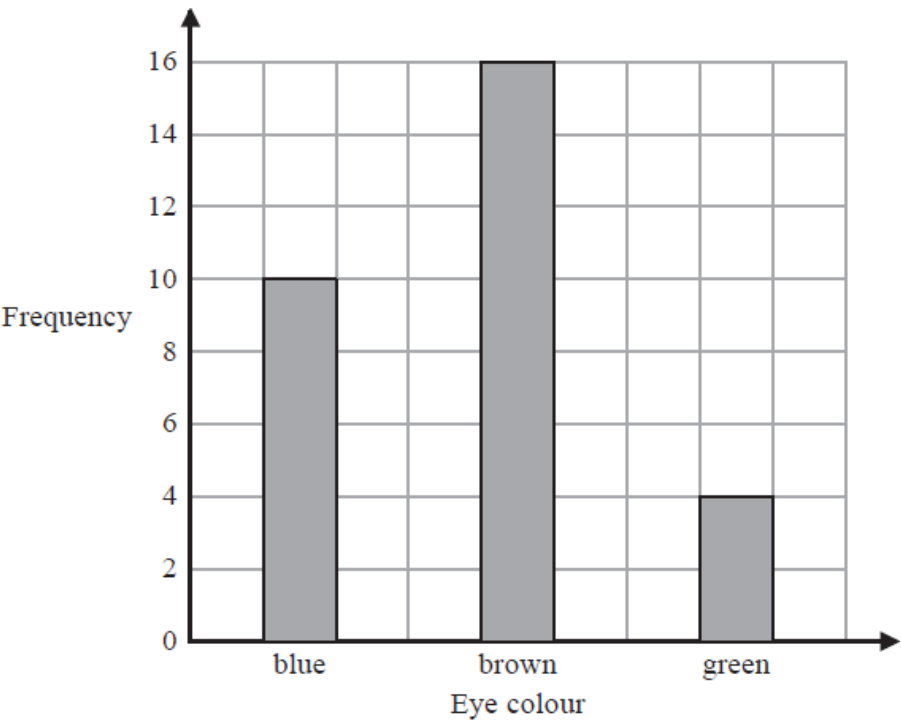
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(Total for Question 1 is 1 mark)

2 Grace recorded the eye colour of each of the students in her class.

The frequency table below shows her results.

Eye colour	Frequency
blue	10
brown	15
green	4

Grace then drew the bar chart below for this information.



Write down one thing that is wrong with this bar chart.

.....

.....

.....

(Total for Question 2 is 1 mark)

3 £42 is shared equally between 3 friends.

How much does each friend get?

£.....

(Total for Question 3 is 2 marks)

4 Write 4.666 correct to the nearest whole number.

.....

(Total for Question 4 is 1 mark)

5 Write 327 correct to the nearest ten.

.....

(Total for Question 5 is 1 mark)

6 Danny buys,

1 loaf of bread for £1.20
1 bottle of milk for 70p
2 packets of cheese for £2.30 each packet

Danny pays with a £10 note.

He says,

“I should get £3.30 change.”

Is Danny correct?

You must show how you get your answer.

(Total for Question 6 is 3 marks)

7 The pictogram shows information about the number of video games sold in a shop on



(a) How many video games were sold on Monday?

.....

(1)

More video games were sold on Tuesday than on Wednesday.

(b) How many more?

.....

(2)

On Thursday and Friday, a total of 32 video games were sold in the shop.

$\frac{1}{4}$ of these 32 video games were sold in the shop on Thursday.

(c) Complete the pictogram for Thursday and Friday.

(3)

(Total for Question 7 is 6 marks)

8 Write down the value of 7^2

.....

(Total for Question 8 is 1 mark)

- 9 Write $\frac{3}{10}$ as a percentage.

.....%

(Total for Question 9 is 1 mark)

- 10 Write down the value of the 7 in the number 8765

.....

(Total for Question 10 is 1 mark)

- 11 Write the following numbers in order of size.
Start with the smallest number.

0.32 0.4 0.35 0.309

.....

(Total for Question 11 is 1 mark)

- 12 Write $\frac{3}{4}$ as a decimal.

.....

(Total for Question 12 is 1 mark)

13 Rachel records the temperature in her garden at noon each day.

On Monday, the temperature was 5°C .

On Tuesday, the temperature was 10° less than the temperature on Monday.

On Wednesday, the temperature was 3° greater than the temperature on Tuesday.

Find the difference between the temperature on Monday and the temperature on Wednesday.
You must show all your working.

..... $^{\circ}\text{C}$

(Total for Question 13 is 2 marks)

14 3 kg of carrots cost £1.80

2 kg of carrots and 5 kg of potatoes cost a total of £3.45

Work out the total cost of 4 kg of carrots and 2 kg of potatoes.

You must show all your working.

£.....

(Total for Question 14 is 4 marks)

15 (a) Expand $2(a + d)$

.....
(1)

(b) Factorise $6y^2 - 5y$

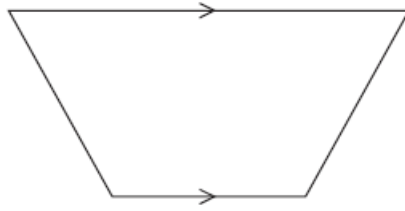
.....
(1)

(c) Solve $4x - 7 = 37$

$x =$
(2)

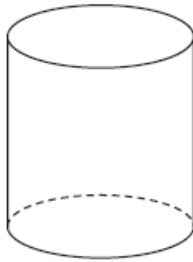
(Total for Question 15 is 4 marks)

- 16 (a) Write down the mathematical name of this quadrilateral.



.....
(1)

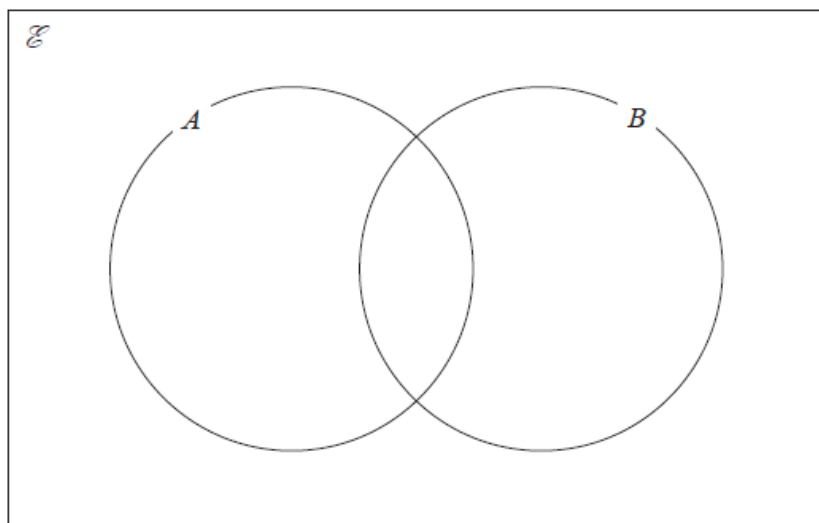
- (b) Write down the mathematical name of this 3-D shape.



.....
(1)

(Total for Question 16 is 2 marks)

-
- 17 $\mathcal{E} = \{\text{even numbers less than 19}\}$
 $A = \{6, 12, 18\}$
 $B = \{2, 6, 14, 18\}$
Complete the Venn diagram for this information.



(Total for Question 17 is 3 marks)

- 18 The table gives information about the number of points scored by each of 16 students in a game.

Number of points	Frequency
0	1
1	3
2	5
3	4
4	3

Tina worked out the median of the number of points scored to be 5

- (a) Explain why it is **not** possible for the median to be 5

.....

.....

.....

(1)

Tina also worked out the total number of points scored by the 16 students in the game.

Here is her working.

$$(0 \times 1) + (1 \times 3) + (2 \times 5) + (3 \times 4) + (4 \times 3) = 1 + 3 + 10 + 12 + 12 = 38$$

Tina made a mistake in her working to find the total number of points scored.

- (b) Describe the mistake that Tina made.

.....

.....

.....

(1)

(Total for Question 18 is 2 marks)

- 19** Robin buys a watch for £80
He sells the watch for £56

Work out his percentage loss.

.....%

(Total for Question 19 is 3 marks)

TOTAL FOR PAPER IS 40 MARKS