

Write your name here

Surname	Other names
---------	-------------

Centre Number Candidate Number

Pearson Edexcel Level 1/Level 2 GCSE (9–1)	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>
---	---	---

Mathematics

Paper 2 (Calculator)

Achieving a Grade 1

Foundation Tier

Spring 2023 Practice Paper 30 marks 30 minutes	Paper Reference 1MA1/2F
---	-----------------------------------

You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser, calculator. 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 be used.**
- If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.



Information

- The total mark for this paper is 30. There are 20 questions.
- Questions have been arranged in an ascending order of mean difficulty, as found by students achieving Grade 1 in the Summer and November 2022 examinations.
- 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 TWENTY questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

- 1** Safiya wants to hire a van.
She uses this rule to work out the cost of hiring a van for a number of days.

$$\text{Cost} = \text{£}45 \times \text{number of days}$$

Safiya is going to hire the van for 7 days.
Work out the cost.

£.....

(Total for Question 1 is 2 marks)

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

-7 7 0 -2 -1

.....

(Total for Question 2 is 1 mark)

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

-11 -2 8 -7 3 10

.....

(Total for Question 3 is 1 mark)

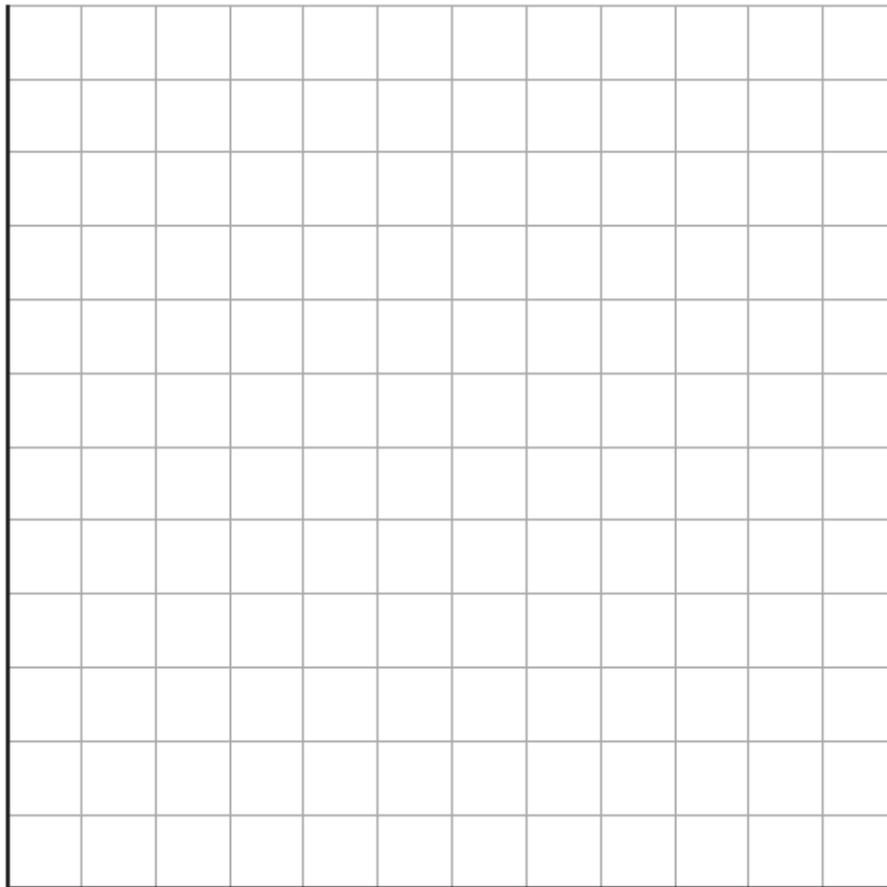
- 4** Write down a 3 digit number that is a multiple of 5

.....
(Total for Question 4 is 1 mark)

- 5 The table shows information about the number of students who arrived late at school each day one week.

	Number of students
Monday	9
Tuesday	10
Wednesday	8
Thursday	6
Friday	3

On the grid, draw a bar chart for this information.



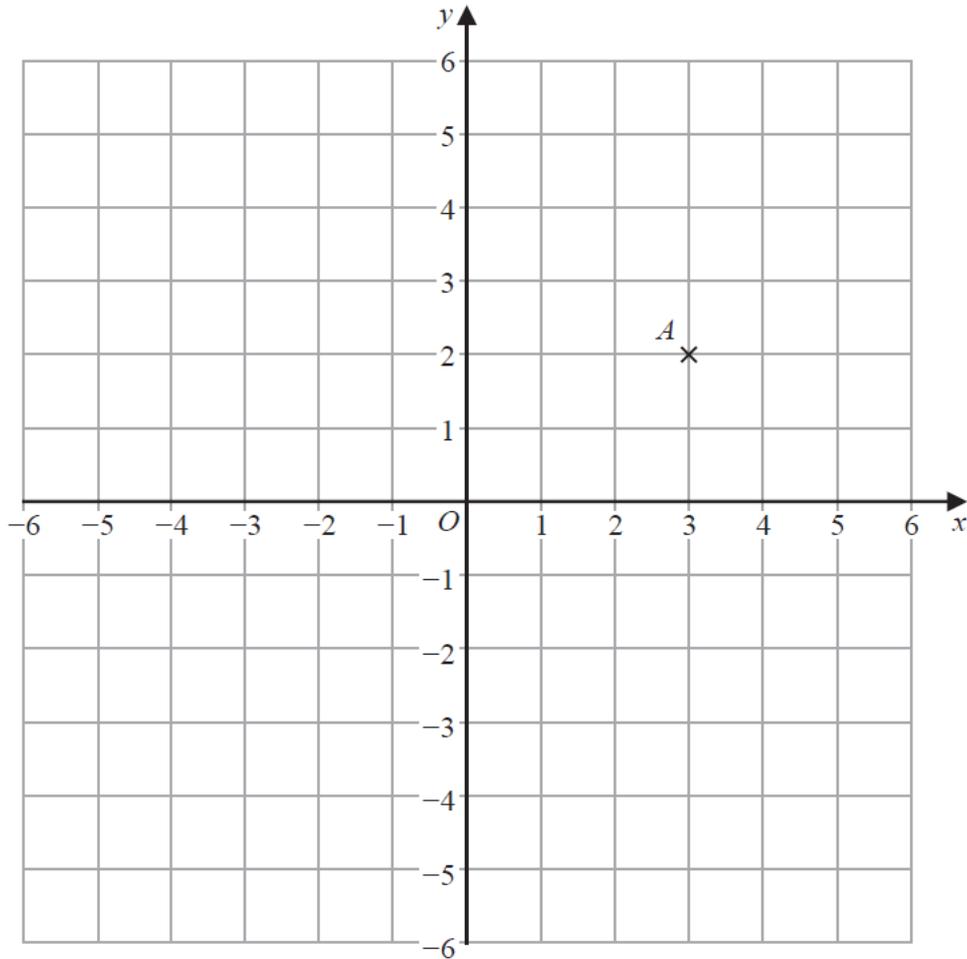
(Total for Question 5 is 3 marks)

6 Write 37% as a fraction.

.....

(Total for Question 6 is 1 mark)

7 Here is a centimetre grid.



(a) Write down the coordinates of point A.

(..... ,)

(1)

(b) On the grid, mark with a cross (x) the point with coordinates (-4, 3)
Label this point B.

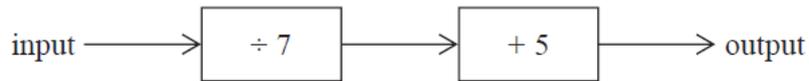
(1)

(Total for Question 7 is 2 marks)

8 Write 1476 to the nearest 10

.....
(Total for Question 8 is 1 mark)

9 Here is a number machine.



Work out the output when the input is 28

.....
(Total for Question 9 is 1 mark)

10 Here is a list of numbers.

3 3 3 3 4 4 5 7 8

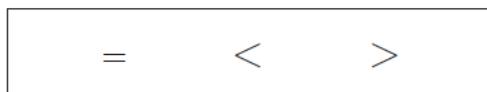
Write down the mode of the numbers.

.....
(Total for Question 10 is 1 mark)

11 Simplify $4c + 7d + 3c - d$

.....
(Total for Question 11 is 2 marks)

12 The box below contains three mathematical symbols.



From the box, choose a symbol to make the following statement correct.

$$\frac{5}{8} \dots\dots\dots \frac{2}{8}$$

.....
(Total for Question 12 is 1 mark)

13 Write 0.4 as a percentage.

.....%
(Total for Question 13 is 1 mark)

- 14** Sonia wants to book a holiday.
 The holiday will cost £1428
 Sonia will pay a deposit of £150
 She will then pay the rest of the cost in 6 equal monthly payments.
 How much is each monthly payment?

£.....

(Total for Question 14 is 3 marks)

- 15** Write down the 7th odd number.

.....

(Total for Question 15 is 1 mark)

- 16** Here is part of a bus timetable between Wigan and Bolton.

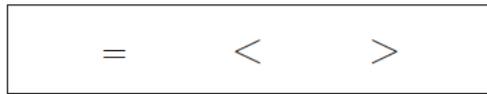
Wigan	07 20		07 40		07 55
Blackrod	07 49		08 09		08 24
Horwich	08 00	08 14	08 20	08 29	08 36
Lostock	08 09	08 20	08 29	08 37	08 44
Park Road	08 14	08 34	08 41	08 48	08 58
Bolton	08 32	08 51	08 58	09 05	09 15

How many minutes should the 07 20 bus take to go from Wigan to Lostock?

..... minutes

(Total for Question 16 is 2 marks)

17 The box below contains three mathematical symbols.

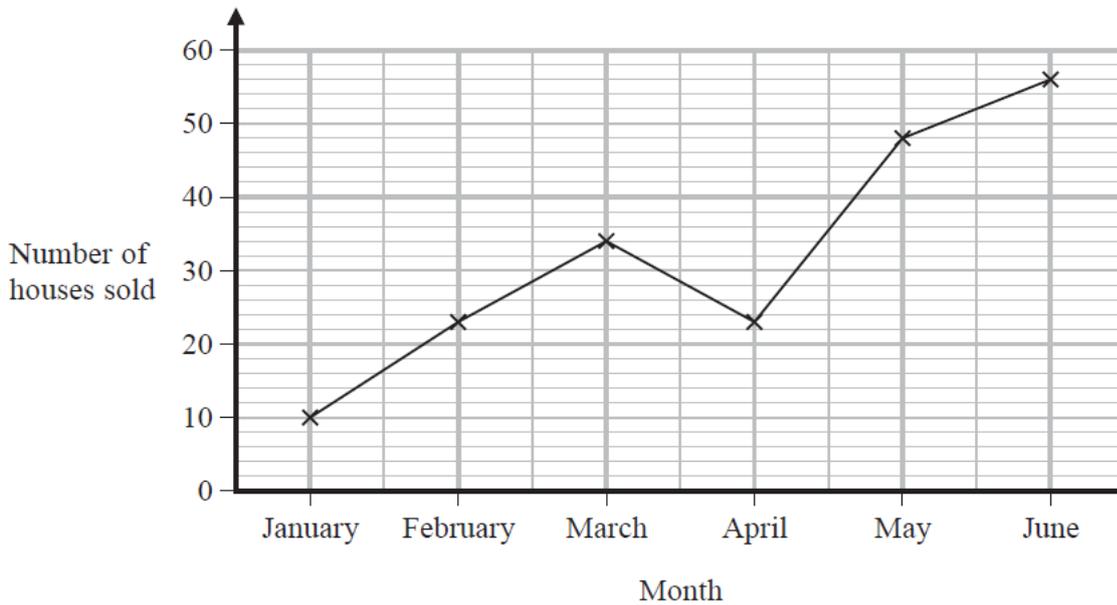


From the box, choose a symbol to make the following statement correct.

$$-2 \times -3 \dots\dots\dots -3 + 9$$

(Total for Question 17 is 1 mark)

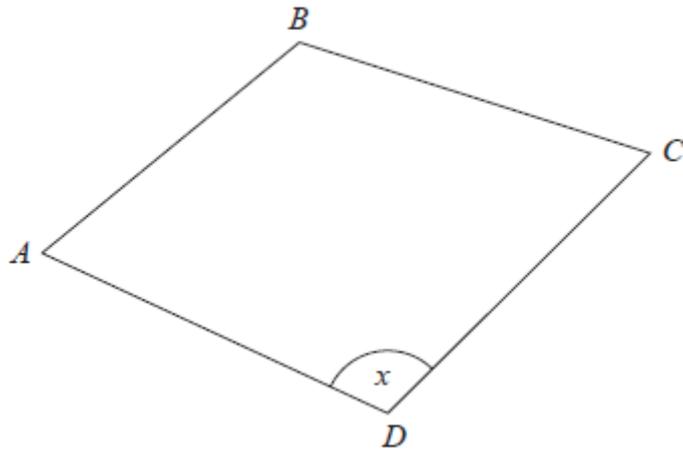
18 The graph shows information about the number of houses sold by an estate agent in each of six months last year.



For this estate agent, write down the ratio of the number of houses sold in January to the number of houses sold in June.

.....
(Total for Question 18 is 2 marks)

19 Here is a quadrilateral $ABCD$.



Measure the length of the side AB . Give your answer in centimetres.

..... centimetres

(Total for Question 19 is 1 mark)

20 Write the following fractions in order of size.

Start with the smallest fraction.

$$\frac{3}{8} \quad \frac{9}{32} \quad \frac{1}{4} \quad \frac{21}{64}$$

.....
(Total for Question 20 is 2 marks)

TOTAL FOR PAPER IS 30 MARKS