

Write your name here

Surname	Other names
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Pearson Edexcel Centre Number Candidate Number

Level 1/Level 2 GCSE (9-1)

Mathematics				
Paper 1 (Non-Calculator)				
Achieving a Grade 1				
Foundation Tier				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">Spring 2023 Practice Paper</td> <td style="width: 40%; padding: 5px;">Paper Reference</td> </tr> <tr> <td style="padding: 5px;">30 marks</td> <td style="padding: 5px;">1MA1/1F</td> </tr> </table>	Spring 2023 Practice Paper	Paper Reference	30 marks	1MA1/1F
Spring 2023 Practice Paper	Paper Reference			
30 marks	1MA1/1F			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; padding: 5px;"> <p>You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser. Tracing paper may be used.</p> </td> <td style="width: 30%; padding: 5px; text-align: center;">Total Marks</td> </tr> </table>	<p>You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser. Tracing paper may be used.</p>	Total Marks		
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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 30. There are 21 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.
- 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

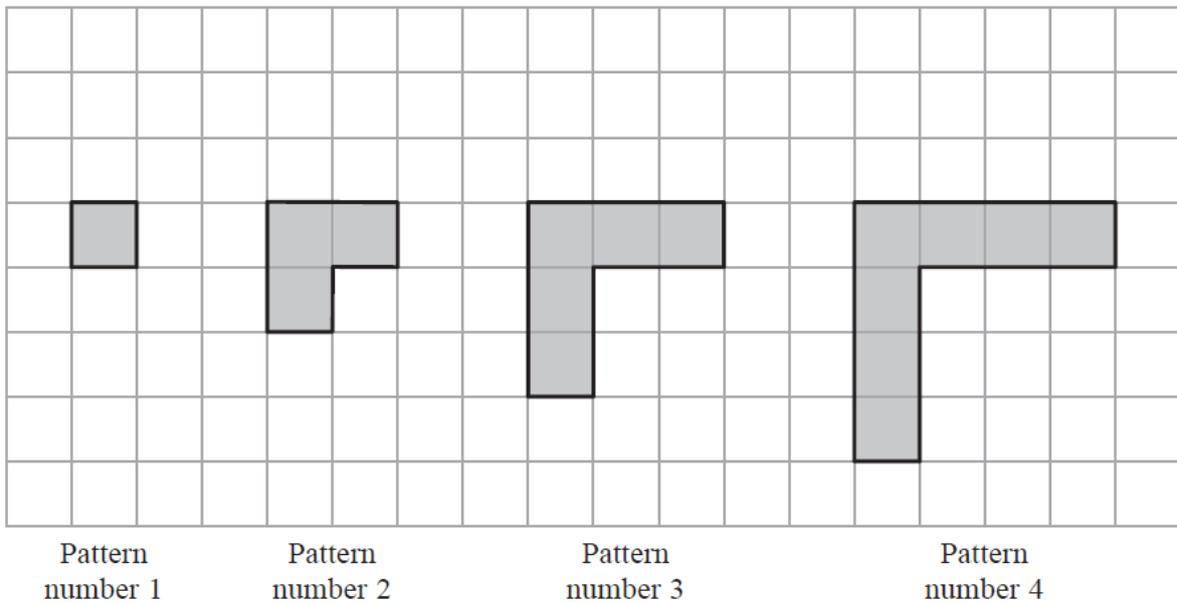
- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

Answer ALL TWENTY ONE questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 Here is a sequence of patterns made from grey square tiles.

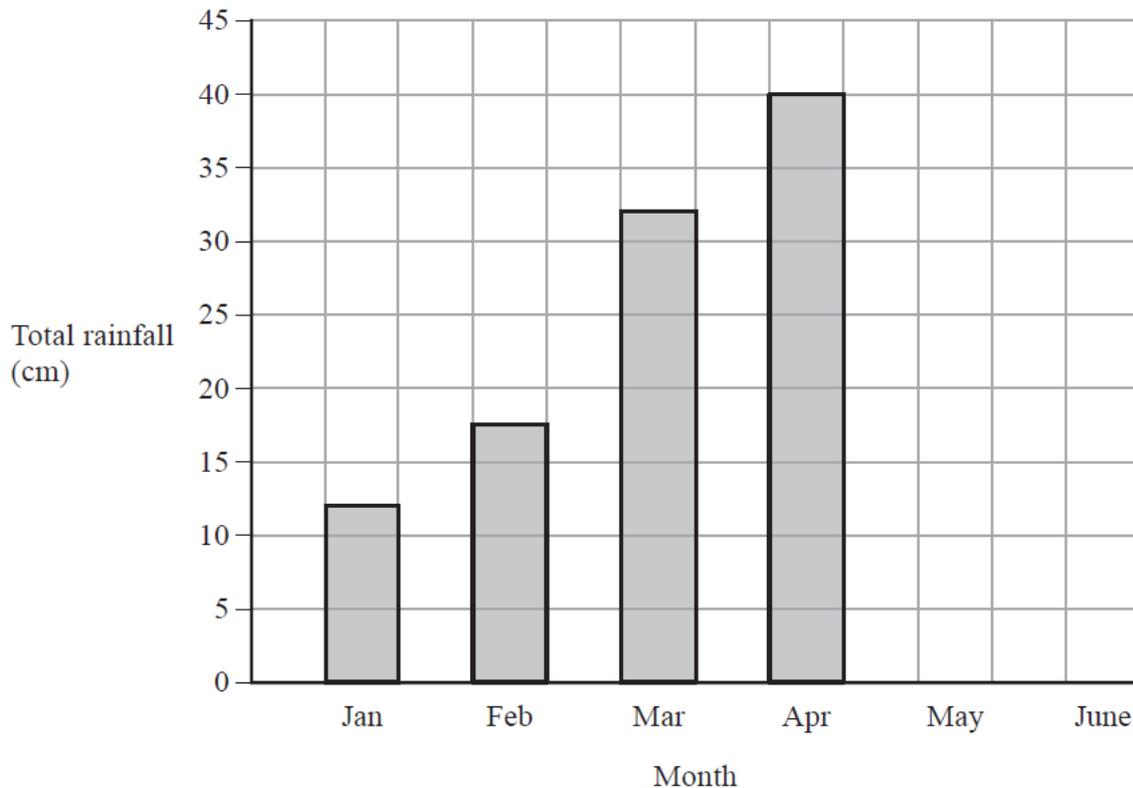


Complete the table.

Pattern number	1	2	3	4	5	6
Number of squares	1	3	5	7		

(Total for Question 1 is 1 marks)

2 The bar chart shows information about the total rainfall each month for four months in a city.

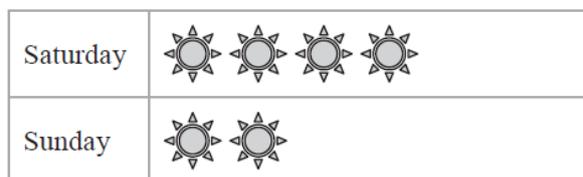


In May, the total rainfall was 35 cm.
 In June, the total rainfall was 20 cm.

Use this information to complete the bar chart.

(Total for Question 2 is 2 marks)

3 The pictogram gives information about the number of hours of sunshine on a Saturday and on a Sunday.



Key: represents 2 hours of sunshine

Work out the number of hours of sunshine on Saturday.

..... hours

(Total for Question 3 is 1 mark)

4 Here is a list of 8 letters.

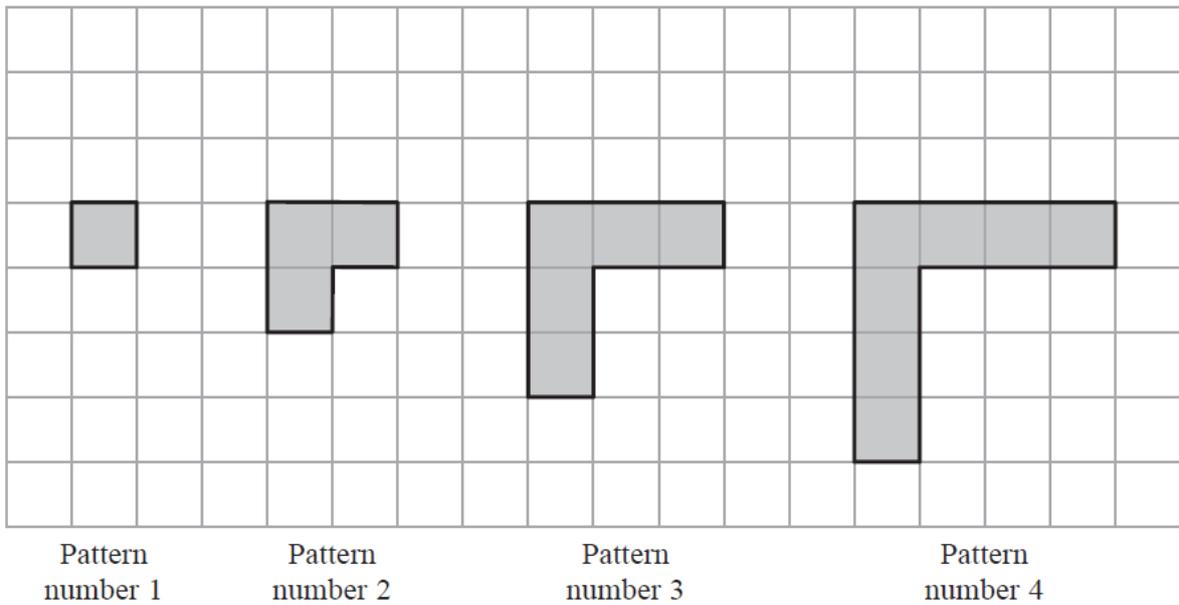
B C A A A A B A

Write down the mode.

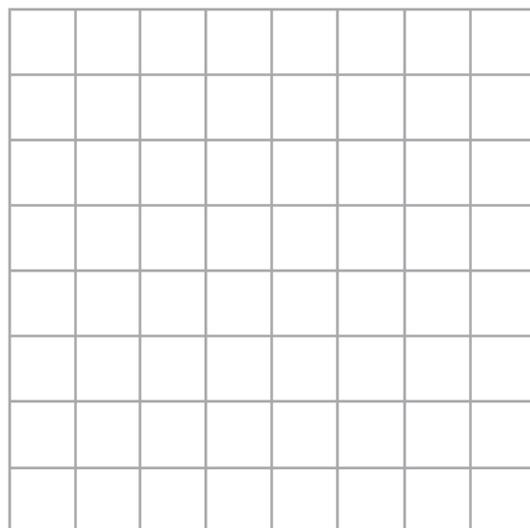
.....

(Total for Question 4 is 1 mark)

5 Here is a sequence of patterns made from grey square tiles.



On the grid below, draw Pattern number 5



(Total for Question 5 is 1 mark)

6 Work out $20 \div (3 + 2)$

.....

(Total for Question 6 is 1 mark)

7 A shop sells jars of coffee.

Each jar of coffee costs £4

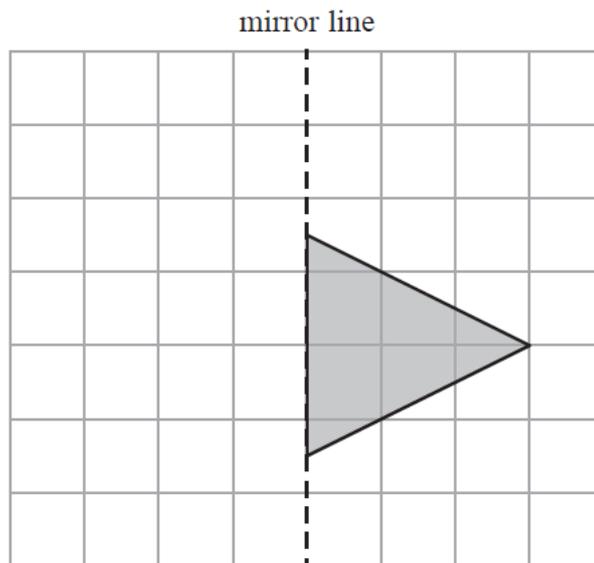
Michael has £23

Work out the greatest number of jars of coffee Michael can buy.

.....

(Total for Question 7 is 2 marks)

8 On the grid, reflect the shaded triangle in the mirror line.



(Total for Question 8 is 1 mark)

9 Work out 3^2

.....

(Total for Question 9 is 1 mark)

10 Solve $m - 3 = 4$

$m =$

(Total for Question 10 is 1 mark)

11 Simon buys some candles.
Each candle costs £2

Simon pays with a £20 note.
He gets £6 change.

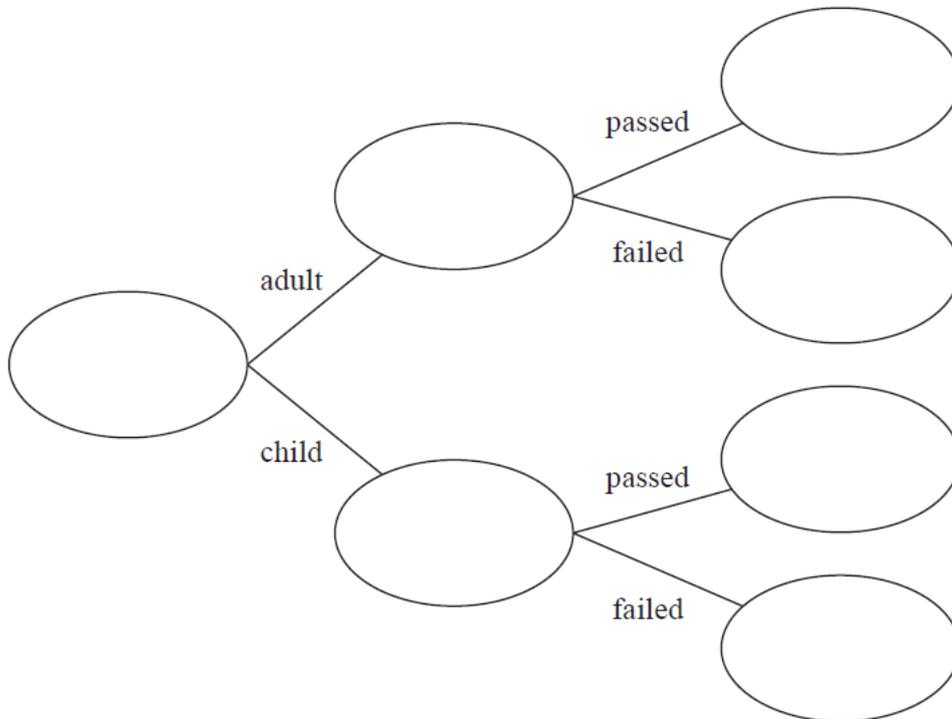
Work out the number of candles Simon buys.

.....

(Total for Question 11 is 3 marks)

- 12** 72 people did a test.
 20 of the 32 adults who did the test passed.
 6 of the children who did the test failed.

Use this information to complete the frequency tree.



(Total for Question 12 is 3 marks)

- 13** Fay is planning a trip to a theme park for 1 adult and 2 children.

These are the costs for the trip.

Total cost of petrol	£23	
Tickets to theme park	£33 each adult	£24.50 each child
Meals	£15 each adult	£10 each child

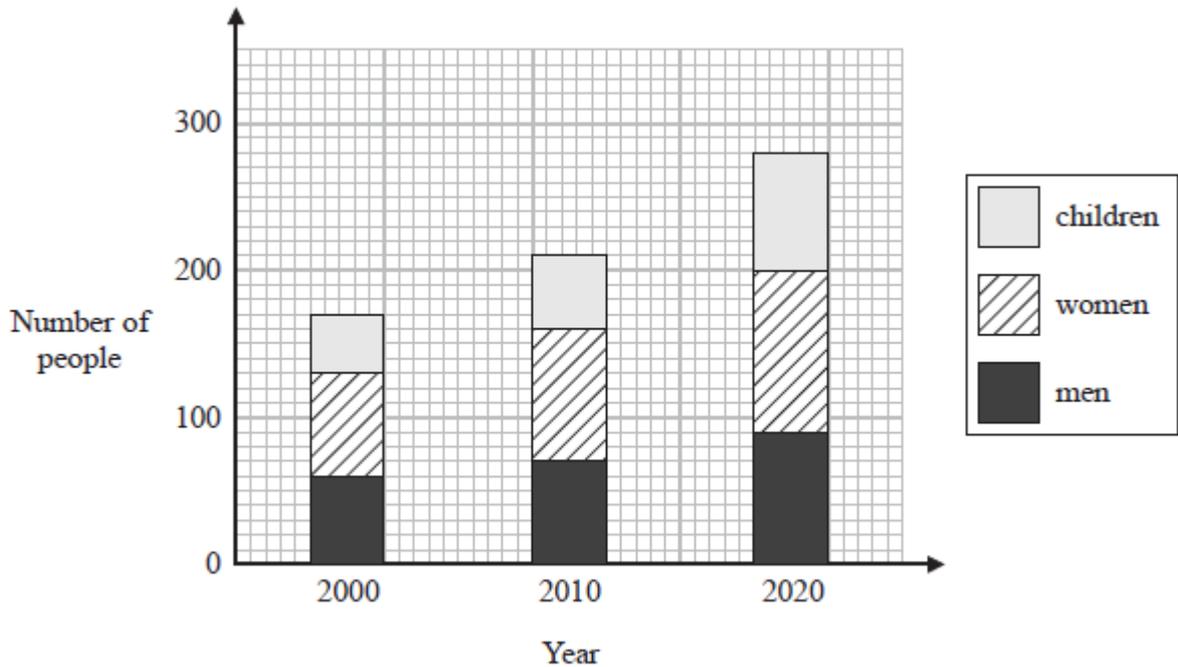
Fay has £200 to spend. She pays all the costs.

How much money does she have left?

£.....

(Total for Question 13 is 4 marks)

14 The composite bar chart shows information about the number of people living in a village.



Write down the number of men living in the village in the year 2000

.....
(Total for Question 14 is 1 mark)

15 Write down the value of the 6 in the number 16 007

.....
(Total for Question 15 is 1 mark)

16 Write down a factor of 60 that is between 8 and 14

.....
(Total for Question 16 is 1 mark)

17 Write 0.3 as a fraction.

.....
(Total for Question 17 is 1 mark)

18 Simplify $e + e + e + e$

.....
(Total for Question 18 is 1 mark)

19 Simplify $3 \times w \times 5 \times t$

.....
(Total for Question 19 is 1 mark)

20 Change 40 centimetres into millimetres.

..... millimetres
(Total for Question 20 is 1 mark)

21 Here is a list of 8 letters.

B C A A A A B A

Find the probability that this letter will be C.

.....
(Total for Question 21 is 1 mark)

TOTAL FOR PAPER IS 30 MARKS