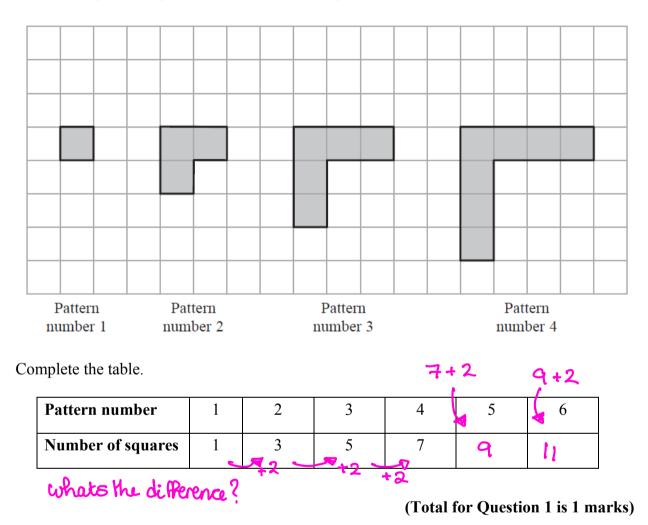
Answer ALL TWENTY ONE questions.

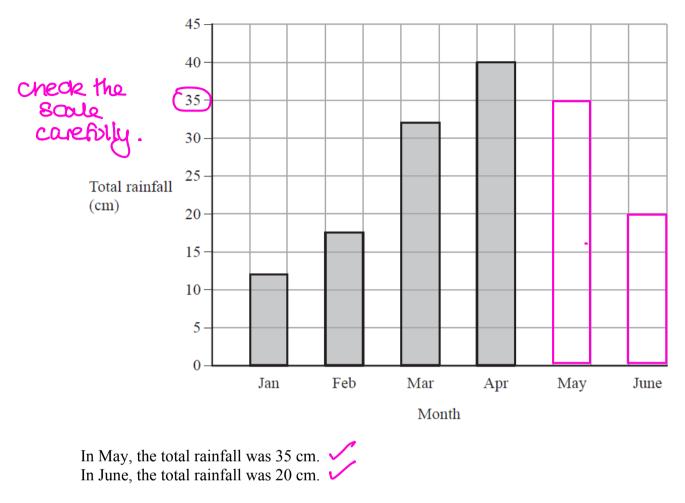
Write your answers in the spaces provided.

You must write down all the stages in your working.

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



Spring 2023 – Achieving a Grade 1 © Pearson Education Ltd. 2 The bar chart shows information about the total rainfall each month for four months in a city.



Use this information to complete the bar chart.

3

(Total for Question 2 is 2 marks)

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



Key: Key: represents 2 hours of sunshine
--

Work out the number of hours of sunshine on Saturday.

2+2+2+2

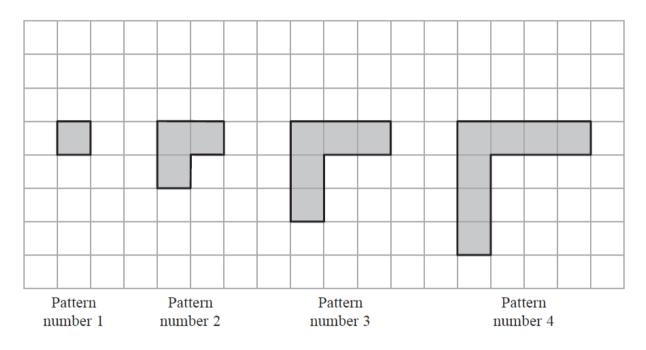
......bours

(Total for Question 3 is 1 mark)

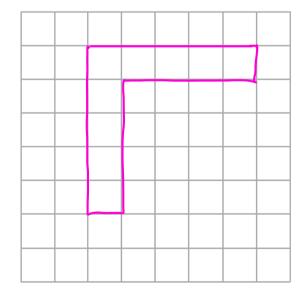
4 Here is a list of 8 letters.

	В	С	A	А	Α	A	В	Α		
Write down the mo	2							•		
most commonly										
occuring		U				ſ	Total f	or Quest	tion 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)

3+2=5 20 ÷ 5 = 4

4

(Total for Question 6 is 1 mark)

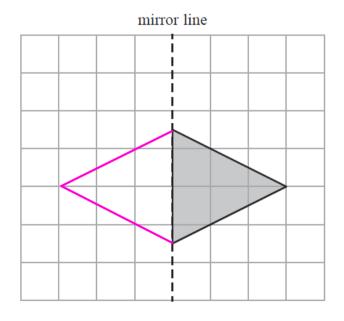
7 A shop sells jars of coffee.Each jar of coffee costs £4Michael has £23

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

1 jou = 4 5 jous = €20t × 5 6 jous = £24 × not enough £ 5.....

(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

3x3 = 9 (not 3x2)

m - 3 = 4 + 3 + 3

m

9

10 Solve m - 3 = 4

(Total for Question 9 is 1 mark)

· · 7

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.

Spends $20 - 6 = \pm 14$ $\pm 14 \div \pm 2 = 7$ so 7 candles

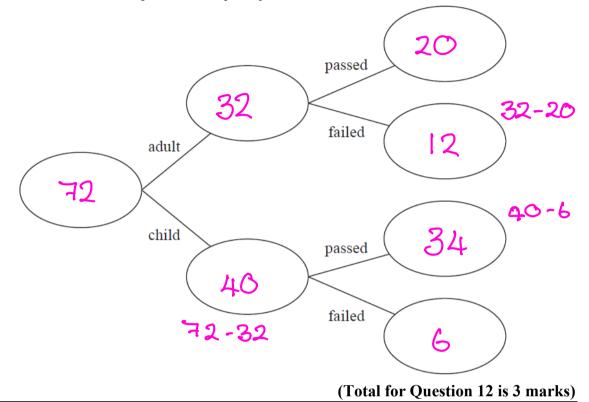


(Total for Question 11 is 3 marks)

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.



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

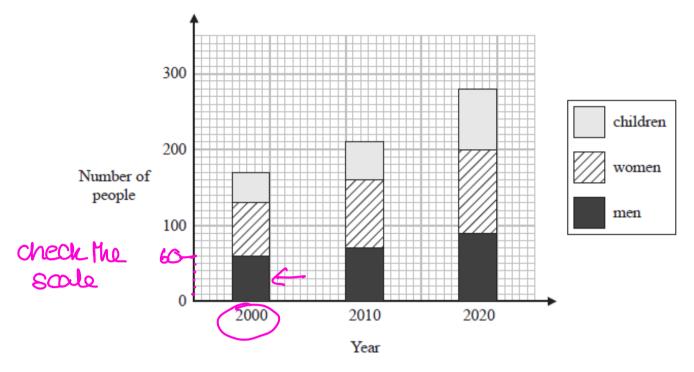
These are the costs for the trip.

Total cost of petr	rol £23	33
Tickets to theme	park £33 each adult £24.50 each child	24 ·50 24 ·50
Meals	£15 each adult £10 each child	82.00
Fay has £200 to spend. She p	pays all the costs.	
How much money does she l	have left?	

00

SPENDS	Petrol .	= 23		
	Tickets =	33 + 24.5	0 + 24·50 = £	82
	Meals	= 15 + 10 + 1	0 = 35	
Tór	02 = 23 +	82+35 = 1	40	
he	At 200	- 140 = 60	£	
	-		(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

6000

(Total for Question 15 is 1 mark)

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



10 or 12

(Total for Question 16 is 1 mark)

17 Write 0.3 as a fraction.

19

21

 $(not e^{4})$



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

3x5×wxE

15 wt (or 18tw)

(Total for Question 19 is 1 mark)

20 Change 40 centimetres into millimetres.

1 cm	= [Bm	m) × (j	40				
1 cm 40 cm	۱ = ۱	400	5	Ľ [~]					
							4	30	millimetre
						(T	otal for	Questio	on 20 is 1 mark
Here is a list of 8	letters.								
	В	С	А	А	А	А	В	А	
Find the probabil	lity that	this lett	er will	be C.					
								- 8	

(Total for Question 21 is 1 mark)

TOTAL FOR PAPER IS 30 MARKS