Write your name here	
Surname Mel Quer mathe.co.uk	Other names
Pearson Edexcel Level 1/Level 2 GCSE (9-1)	Candidate Number
Mathematics C Paper 1 (Non-Calculator)	vorked Solutions
Achieving a Grade 1	Foundation Tier
Spring 2023 Practice Paper 30 marks	Paper Reference 1MA1/1F
You must have: Ruler graduated in centimetres protractor, pair of compasses, pen, HB pencil, era	and millimetres, Total Marks aser.

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.

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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	А	Α	В	Α		
Write down the mo	de.							Δ		
most com	non	lц						A		
occuring		0				C	Fotal 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 jars = €20t × 5 6 jars = £24 × not encugh £ 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)

9

10 Solve m - 3 = 4

(Total for Question 9 is 1 mark)





(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 $20 - 6 = \pounds 14$ $\pounds 14 \div \pounds 2 = 7$ 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 petrol	£23	33					
Tickets to theme park	£33 each adult £24.50 each child	24.50					
Meals	£15 each adult £10 each child	82.00					
Fay has £200 to spend. She pays al							
How much money does she have left?							

SPENDS	Petrol =	23		
	Tickets =	33 + 24.50	+24.50 =	£82
	Meals =	15 + 10 + 10	- 35	
Tór	02 = 23 + 83	2 + 35 = 14	0	
he	At 200 -	140 = 60	£	
			(Total for Question 1	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.

 $(not e^{4})$



(Total for Question 18 is 1 mark)

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

21

3x5×wxE

15 wt (or 18tw)

(Total for Question 19 is 1 mark)

20 Change 40 centimetres into millimetres.

1 cm	= l	Bm	m) .					
40 cm	n =	400	b	Ľ^	40				
							4	30	millimetres
						(T	otal for	Questio	n 20 is 1 mark)
Here is a list of	8 letters.								
	В	С	А	А	А	А	В	А	
Find the probab	ility that	this lett	er will	be C.					
								- 8	

(Total for Question 21 is 1 mark)

TOTAL FOR PAPER IS 30 MARKS