Please check the examination details below before entering your candidate information						
Candidate surname			Other names			
Pearson Edexcel Level 1/Level 2 GCSE (9-1)	Cen	tre Number	Candidate Number			
Time 1 hour 30 minutes		Paper reference	1MA1/1F			
Mathematics PAPER 1 (Non-Calcula Foundation Tier	tor)				
You must have: Ruler graduated protractor, pair of compasses, per Sheet (enclosed). Tracing paper r	n, HE	8 pencil, eras				

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 80
- 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.
- Try to answer every question.
- Check your answers if you have time at the end.
- Good luck with your examination.













		the value of the 6 in			
					(Total for Question 4 is 1 mark)
5		numbers in order of ne smallest number.	size.		
			$\frac{1}{2}$	0.55	45%
					(Total for Question 5 is 1 mark)
6	The pictograming and on a Su		about th	e number of	hours of sunshine on a Saturday
	Saturday				Key: ⊲Ŏ represents 2 hours of sunsh
	Sunday				
		e number of hours of	fsunshin	e on Saturda	у.
		e number of hours of	f sunshin	e on Saturda	
		e number of hours of	f sunshin	e on Saturda	
		e number of hours of	f sunshin	e on Saturda	1



3

7 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 7 is 3 marks)



8 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.

(a) Use this information to complete the bar chart.

Rupa says,

"In February there was 15.5 cm of rainfall because the bar is half a square above 15"

(b) Explain why Rupa is incorrect.

(1)

(2)

(Total for Question 8 is 3 marks)



5



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

10 In Norway last year, the lowest temperature was -15°C.
 In Norway last year, the highest temperature was 42°C greater than the lowest temperature.

Work out the highest temperature in Norway last year.

(Total for Question 10 is 2 marks)

°C

11 At the end of October, Fiona's electricity meter reads 88738 kWh. At the end of November, her electricity meter reads 89198 kWh.

Each kWh of electricity Fiona uses costs 16p

Work out how much Fiona had to pay for the electricity she used in November.

(Total for Question 11 is 4 marks)



7



P 6 6 3 0 6 R A 0 8 2 4

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

13	There are 15 sweets in a jar. 4 of the sweets are red.		
	Jill takes at random a sweet from the jar.		
	(a) Write down the probability that the sweet is red.		
			(1)
	There are only green counters and blue counters in a bag.		
	A counter is taken at random from the bag. The probability that the counter is green is 0.3		
	(b) Find the probability that the counter is blue.		
			(1)
	(Tota	l for Question 13 is 2 ma	rks)
14	y = 6x - 5		
	Work out the value of <i>y</i> when $x = 4$		
		<i>y</i> =	
	(Tota	l for Question 14 is 2 ma	rks)
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		,



9

	(2)	
Given that $2.96 \times 3.2 = 9.472$		
(b) find the value of 29.6×32		
(b) find the value of 23.0×32		
	(1)	
	(Total for Question 15 is 3 marks)	

P 6 6 3 0 6 R A 0 1 0 2 4

- DO NOT WRITE IN THIS AREA
- DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

16 Savio leaves his home at 0730 to drive to work.

He drives a distance of 50 miles.

Savio thinks he drives at an average speed of 40 miles per hour.

(a) If Savio is correct, at what time will he arrive at work?

In fact, Savio's average speed was greater than 40 miles per hour.

(b) How does this affect your answer to part (a)?

(1)

(3)

(Total for Question 16 is 4 marks)



17 72 people did a test.

20 of the 32 adults who did the test passed. 6 of the children who did the test failed.

(a) Use this information to complete the frequency tree.



(3)

One of these people is picked at random.

(b) Find the probability that this person is an adult who failed the test.

(2)

(Total for Question 17 is 5 marks)



18 Here is a list of ingredients for making 10 scones.

Ingredients for 10 scones					
350 g	butter self-raising flour sugar milk eggs				

Mia wants to make 25 scones. Work out how much sugar she needs.

(Total for Question 18 is 2 marks)

..... g

19 Increase 240 by 20%

(Total for Question 19 is 3 marks)





19	28	29	33	27			
27	37	25	27	37			
17	45	47	25	26			
Show thi	s informa	ation in a	i stem and	d leaf diagra	n.		
						_	Key:
						_	
						_	
					(*	Total for	Question 21 is 3 marks)

21 Here are the ages, in years, of 15 people. 19 28 29 33 27

P 6 6 3 0 6 R A 0 1 5 2 4



23 Solve 7x - 27 < 8

(Total for Question 23 is 2 marks)

24 Write 124 as a product of its prime factors.

(Total for Question 24 is 2 marks)



25 A delivery company has a total of 160 cars and vans.

the number of cars : the number of vans = 3:7

Each car and each van uses electricity or diesel or petrol.

 $\frac{1}{8}$ of the cars use electricity. 25% of the cars use diesel. The rest of the cars use petrol.

Work out the number of cars that use petrol. You must show all your working.

(Total for Question 25 is 5 marks)



26 (a) Write 1.63×10^{-3} as an ordinary number.



(Total for Question 26 is 4 marks)

(1)

(1)

(2)

0

27 Here is a regular hexagon and a regular pentagon.



Work out the size of the angle marked *x*. You must show all your working.

(Total for Question 27 is 3 marks)



x	-1	0	1	2	3	4
У		1	-1			

(2)









(Total for Question 29 is 3 marks)

4 cm

B



30 Write down the value of $\sin 30^{\circ}$

(Total for Question 30 is 1 mark)

TOTAL FOR PAPER IS 80 MARKS



BLANK PAGE

