

General Certificate of Secondary Education January 2009

Mathematics



Module N1 Paper 1 (Non-calculator) Foundation Tier

[GMN11]

FRIDAY 9 JANUARY 9.15 am – 10.00 am





45 minutes.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Write your answers in the spaces provided in this question paper. Answer **all eleven** questions.

Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.

You must not use a calculator for this paper.

INFORMATION FOR CANDIDATES

The total mark for this paper is 44.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

You should have a ruler, compasses, set-square and protractor.

For Examiner's use only			
Question Number	Marks		
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
Total Marks			

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1 (a) The day of the month on which pupils in a year 12 group were born was recorded.

The results are shown below.

29	26	15	1	3	8	17	21	9	8
22	18	14	4	3	7	28	30	2	10
13	9	12	5	8	17	31	6	10	4

Complete the frequency table.

Born	Tally (if required)	Frequency
1st to 5th		
6th to 10th		
11th to 15th		
16th to 20th		
21st to 25th		
26th to 31st		

[2]

Examiner Only Marks Remark



		65	34	12	61	46		Examiner Only
		18	56	80	25	63		Marks Remar
(a)	From the num	ıbers i	n the s	e rid . w	vrite do	own		
	(i) two number	ers wit	h a tot	al of 8	0			
	(i) two number	213 WIL	11 a 104		ο,			
					An	swer _	,[1]	
				2				
	(ii) two numbe	ers wit	h a dif	ference	e of 40	,		
					An	swer _	,[1]	
	(iii) two factors	s of 36	,					
					An	swer	. [1]	
							,t]	
	(iv) a square m	umber.						
							Answer [1]	
(b)	What is the hig	ghest n	umber	you ca	an get	by mul	tiplying any two	
	numbers in the	grid?						
					Aı	nswer_	[2]	

ark

2

3 (a) (i) Draw a circle of radius 4 cm.



Examiner Only Marks Rema







[Turn over

9 The stem and leaf diagram represents the heights of 21 students in a year 8 class.

Stem	Le	af					
13	6	9					
14	1	2	3	3	4		
14	5	6	7	7	8	8	9
15	1	2	4	4			
15	5	8					
16	2						

Key: 13 | 6 means 136 cm

Write down

(a) the range of the data,

Answer		cm [1]
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Examiner Only Marks Remark

(b) the median of the data.

Answer _	cm	[1]	
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10	(a)	Construct the triangle ABC with $AB = 7 \text{ cm}$, $BC = 4 \text{ cm}$ and $AC = 5 \text{ cm}$	Examine Marks	er Only Remark
		Do not rub out your construction lines.		
		[3]		
	(b)	Measure the size of angle CAB.		
		A novyon 0 [1]		
		Answer [1]		
4235			[Turi	n over
		www.StudentBounty.com		

THIS IS THE END OF THE QUESTION PAPER

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