		SPECIMEN
GENERAL CERTIFICAT	E OF SECONDARY EDUCATION	B271/B
MODULE M1 – SEC	TION B	
SPECIMEN		
Candidates answer on the c	uestion paper.	Time: 30 minutes
Additional Materials: Geometrical inst Tracing paper (o Electronic calcul	ruments ptional) ator	
Candidate Name		
Number	Number	
 INSTRUCTIONS TO CANDID Write your name, centre n Answer all the questions. Use blue or black ink. Pen Read each question carefr answer. In many questions marks of Do not write in the bar coordinate of the second bar coordi	ATES umber and candidate number in the b cil may be used for graphs and diagra ully and make sure you know what you will be given for a correct method ever le. to bordering each page. TO EACH QUESTION IN THE SPAC BE MARKED. ATES calculator in Section B of this paper. ven in brackets [] at the end of each for this section is 25. tion 9.	ooxes above. ams only. ou have to do before starting your on if the answer is incorrect. E PROVIDED. ANSWERS WRITTEN question or part question.
		For Examiner's Use
		Section B
This doc	ument consists of 10 printed pages a	nd 2 blank pages.

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		1 11 21	2 12	3 13	4	5	6	7	8	0	10	
		11 21	12	13				'	0	2	10	
		21	22		14	15	16	17	18	19	20	
			22	23	24	25	26	27	28	29	30	
		31	32	33	34	35	36	37	38	39	40	
		41	42	43	44	45	46	47	48	49	50	
		51	52	53	54	55	56	57	58	59	60	
		61	62	63	64	65	66	67	68	69	70	
		71	72	73	74	75	76	77	78	79	80	
		81	82	83	84	85	86	87	88	89	90	
		91	92	93	94	95	96	97	98	99	100	
1		1 5		20		12						
I		15		29		+3						
(a) \	What is t	the ne	xt nun	nber ir	n the p	attern	?	(a)				[1]
(b) \	Write do	wn a d	calcula	ation y	ou car	n do to	work	out the	e next	numb	er.	[1]
												2
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10 (c) Zara wants to go on her favourite rides first.Her favourites are Oblivion, Air and Nemesis.



Show that there are six different possible ways she could go on the 3 rides. The list has been started for you.

	First ride	Second ride	Third ride
	Oblivion	Air	Nemesis
\sim			
You may not need all			
the lines			

[2]

11	
I	

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>					7						
-			 						 		<u></u>
						В					
	A										
							е				
				has t	the lo	ngest	perim	neter.			ľ
Shape											3
Shape										2	3



		9	
13	(d)	The longest rollercoaster in Britain is The Ultimate at Lightwater Valley. It is 7452 feet long.	
		Write 7542 in words.	
			[1]
	(e)	These are some important dates about rollercoasters.	
		Cedar Point Disneyland	
		Mexico City19821964first coasterfirst coasterover 200 feet	
		over 100 feet Valencia	
		1975 first corkscrew coaster	
		Write the dates in order cordinat first	
			[2]
		earliest	
	(f)	Top Thrill Dragster has six trains.	
		Each train has three 4-passenger cars	
		and two 2-passenger cars	
		How many people altogether can each train hold? 2-passenger car	
		(f)	[3]
		10	
	Sect	ion B Total [25]	
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12
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OXFORD CAMBRIDGE AND RSA EXAMINATIONS

General Certificate of Secondary Education

MATHEMATICS C

MODULE M1 – SECTION B

Specimen Mark Scheme

The maximum mark for this paper is 25.

B271/B

9	(a)	57	W1		accept equivalents, direction &
	(1.)	. 44	14/4		quantity
	(D)	+ 14	VV1		
			2		
10	(2)	2310	\M/2	M1	$16.5(0) \times 140$ or figs 231
10	(a) (b)(i)	dual	VVZ		10.0 (0) x 140 0/ 1193 201
	(I)(I)	aulach			
	(11)	spiasn	VV1		
	(iii)	SE	W1		accept south east; south; east not ES
	(c)	ΟΝΑ	W2	W2	correct 6 only
		ΑΝΟ		W1	3 complete rows
		ΑΟΝ			condone repeats
		ΝΟΑ			
		ΝΑΟ			
			7		
11	(a)	octagon	W1		
	(b)	3⁄4	W1		
	(c)	8 squares shaded	W1		
			3		
12		B with supporting working	W3	M2	two correct perimeters seen
				M1	Any one correct perimeter
					A · 2 · 4 · 2 · 4 · 44
					A. $3 + 4 + 3 + 4 = 14$ B: 10 + 1 + 10 + 1 = 22
					C: $7 + 2 + 7 + 2 = 18$
			3		
13	(a)	Goliath, Titan	W1		both
	(b)	Top Thrill Dragster	W1		
		400	W1		
	(c)	bar (or line) to 180	W1		± 1mm
	(d)	seven thousand four	W1		ignore spelling
	()	hundred (and) fifty two			

Section B Total 25

Question	AO2	AO3	AO4	Total
9	2			2
10	2	3	2	7
11	2	1		3
12		3		3
13	6		4	10
Totals	12	7	6	25

Assessment Objectives Grid

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4