	EVEMENT	SPE	CIMEN		
GENERAL O	CERTIFICATE OF SECONDARY	EDUCATION B2	B274/A		
MODULE	M4 – SECTION A				
SPECIME Candidates ar Additional Ma Ge Tra	N nswer on the question paper. erials: ometrical instruments acing paper (optional)		Time: 30 minutes		
Candidate Name					
Centre Number		Candidate Number			
 INSTRUCTIONS TO CANDIDATES Write your name, centre number and candidate number in the boxes above. Answer all the questions. Write your answers on the dotted lines unless the question says otherwise. Use blue or black ink. Pencil may be used for graphs and diagrams only. Read each question carefully and make sure you know what you have to do before starting your answer. There is a space after most questions. Use it to do your working. In many questions marks will be given for a correct method even if the answer is incorrect. Do not write in the bar code. Do not write outside the box bordering each page. WRITE YOUR ANSWER TO EACH QUESTION IN THE SPACE PROVIDED. ANSWERS WRITTEN ELSEWHERE WILL NOT BE MARKED. INFORMATION FOR CANDIDATES The number of marks is given in brackets [] at the end of each question or part question. 					
			For Examiner's Use		
to use a	NG You are not allowed calculator in this paper.		Section A		

This document consists of **9** printed pages and **3** blank pages.

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[Turn over





		4	
2	(a)	Find two common factors of 18 and 30.	
		(a)	[2]
			[~]
	(b)	Write down a number which is a multiple of 7 and a factor of 42.	
		(b)	[1]
	(c)	Find the two prime numbers that are factors of 24.	
		(c)	[2]
		5	
3	Sou	the town the popularity of the town	
•	000	Huge increase in visitorel	
		ridge increase in visitors:	
		2000 2001 2002 2006	
	Give	e two reasons why the graph is misleading.	
	1		
			[1]
	2		
			[1]
		2	
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			5	
4	Inse	cts a	are eaten in many parts of the world.	
	(a)	Cric Wri	rickets are 13% protein by weight. rite 13% as a fraction.	
			(a)	[1]
	(b)	(i)	One fifth of the weight of a grasshopper is protein. Write one fifth as a percentage.	
			(b)(i)	<u>%</u> [1]
		(ii)) A serving of grasshopper weights 30 g. Work out one fifth of 30.	
			(ii)	[1]
				3
		7		[Turn over
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Oxford Cambridge and RSA Examinations

General Certificate of Secondary Education

MATHEMATICS C MODULE M4 – SECTION A Specimen Mark Scheme B274/A

The maximum mark for this paper is 25.

1		2 5 None	2 1 3	1 for each DO NOT count 'blank' as 'none' Condone '1' instead of 'none'
2	(a) (b) (c)	1, 2, 3 or 6 7 or 14 or 21 or 42 2 and 3	2 1 2	1 for each - maximum of 2 Then -1 for each wrong answer W0 for choice including incorrect answer
	(0)		5	
3		Two of: No vertical scale 2006 bar wider Years 2003 – 2005 missing	2	W1 for each reason, maximum W2 Accept clear equivalents
			2	
4	(a) (b)(i) (ii)	13 100 20 (%) 6	1 1 1	
5	(a) (b) (c)	(- 3, - 4) Correct reflection (9, - 4)	3 1 2 1	Ignore labelling (condone errors) W1 for just 2 correct vertices or reflection in line parallel to line m Allow follow through on <i>their</i> labelling (so must be labelled).
6	C	Opposite (angle) (EFC is an) Isosceles (triangle) 60° (DEC is an) Equilateral (triangle)	4 1 1 1 1	Look for Key Words
7	(a) (b)(i) (ii)	101 33 All heights are odd	1 2 1 4	M1 for 17 seen – or as answer

Section A Total 25

Question	AO2	AO3	AO4	Total
1		3		3
2	5			5
3			2	2
4	3			3
5		4		4
6		4		4
7	4			4
Totals	12	11	2	25

Assessment Objectives Grid

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