OCR RECOGNISING ACHIEVEMENT	SPECIMEN					
GENERAL CERTIFICATE OF SECONDARY EDUC	B272/A					
MODULE M2 – SECTION A						
SPECIMEN						
Candidates answer on the question paper.	Time: 30 minutes					
Additional Materials: Geometrical instruments Tracing paper (optional)						
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. 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. 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. The total number of marks for this section is 25. 						
WARNING You are not allowed	For Examiner's Use					
to use a calculator in this paper.	Section A					
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This document consists of **10** printed pages and **2** blank pages.

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2 The table shows the typical body weight, in **kilograms**, and brain weight, in **grams**, of some animals.

Animal	Body Weight (kilograms)	Brain Weight (grams)	
Baboon	30	140	
Blue Whale	60000	6000	
Camel	540	700	
Dolphin	160	1700	
Elephant	6000	6000	
Human	65	1400	
Monkey	7	100	

(a) What is the body weight, in kilograms, of a camel?

	(a) kg	g [1]
(b)	Which of the animals has a brain weight of 1400 grams?	
	(b)	[1]
(c)	A blue whale's brain has a weight of 6000 grams.	
	How many kilograms is 6000 grams?	
		. [4]
/ N		J [']
(d)	The heaviest of all brains is the sperm whale's brain. These can weigh nine thousand two hundred grams.	
	Write nine thousand two hundred in figures.	
	(d)	[1]
		4

5 (b)	This angle is 40°.	
	Look at these angles.	
	C D E	
	Complete this sentence. Angle is nearest to 80°.	[1] 3
		[Turn over

_

6 For each of these number patterns, write down the rule which gives the next number.

The first one has been done for you.

	Ν	lumber	Patter	n		Rule
7	9	11	13	15	17	+2 each time
4	9	14	19	24	29	
1	2	4	8	16	32	
						2
R	aiiv has	these	cards			
	1		4			
						2 2 4
				laakina		
L		les one	without	ιοοκιής	J.	1
	Ĭ					i
	t		t		1	t t
	Α		В		С	D E F
С	omplete	e these	sentenc	ces.		
A	rrow			poin	ts to t	he probability that Laura chooses a 5.
A	rrow B	points	to the	proba	bility t	that Laura chooses a
						2

8

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OXFORD CAMBRIDGE AND RSA EXAMINATIONS

B272/A

General Certificate of Secondary Education

MATHEMATICS C MODULE M2 – SECTION A Specimen Mark Scheme

The maximum mark for this paper is 25.

1	(a)(i)	College	1		
	(ii)	E(ast)	1		
	(b)	Spittal Street	2		All correct, award 1 for one error
		Tight			
		Lauriston			
		3''			
			4		
2	(a)	540	1		
	(b)	Humans	1		
	(c)	6	1		
	(d)	9200	1		
			4		
3	(a)	5	1		
		12			
	(b)(i)	any 6 shaded or indicated	1		
	(ii)	0.3	1		
	(c)	7	1		
			4		
4		correct method for 63 x 4	М1		Allow 63 + 63 + 63 + 63
-		252	A1	W2	For 252
			2		
5	(a)	All correct	2	W1	for 1 line correct, length and position
	(b)	С	1		
	()		3		
6		+ 5 each time o.e.	1		
		x 2 (or doubling) each time	1		
			2		
7		٥	4		
'		4	1		
			2		
			_		

8	(a)	attempt 4.82 + 7.23	M1	\Rightarrow figs. 1105 1205 1305 or 12.5
		12.05	A1	or W2
	(b)	attempt at 4 – 2.65	M1	\Rightarrow 135, 235, 145, 245, 045 seen
		1.35	A1	or W2
			4	

Section A Total 25

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Question	AO2	AO3	AO4	Total
1		4		4
2	1	1	2	4
3	4			4
4	2			2
5		3		3
6	2			2
7			2	2
8	4			4
Totals	13	8	4	25

Assessment Objectives Grid