OCR RECOGNISING ACHIEVEMENT	SPECIMEN
GENERAL CERTIFICATE OF SECONDARY EDUCATION MATHEMATICS C	B275/A
MODULE M5 – SECTION A	
SPECIMEN Candidates answer on the question paper. Additional Materials: Geometrical instruments Tracing paper (optional) Pie chart scale (optional)	Time: 30 minutes
Candidate Name	
Centre Number Candidate Number	
 INSTRUCTIONS TO CANDIDATES Write your name, centre number and candidate number in the boxes Answer all the questions. Use blue or black ink. Pencil may be used for graphs and diagrams of Read each question carefully and make sure you know what you have answer. In many questions marks will be given for a correct method even if the 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 PR ELSEWHERE WILL NOT BE MARKED. INFORMATION FOR CANDIDATES The number of marks is given in brackets [] at the end of each quest. 	a above. only. ve to do before starting your ne answer is incorrect. OVIDED. ANSWERS WRITTEN tion or part question.
WARNING You are not allowed to use a calculator in this paper.	For Examiner's Use Section A

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					3						
1	(a)	Jade buys 4 ² Each litre co	1 litres of pe sts 82∙9p.	etrol.							
		Write down a	a calculatior	she could	d do in f	ner he	ad to e	estima	ate the total cost		
							_= £	£		[2	2]
	(b)	Is your estim	ate bigger o	or smaller	than the	e exac	t cost?)			
		Explain	how you de	cide.							
										[1	1]
										3	
2		Complete thi	s diagram s	o that it ha	as rotati	onal s	ymme	try of	order 4.		
					\triangleright		,				
										[2	2]
										2	
										[Turn over	r
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3 Complete this multiplication grid. Some of the numbers are negative.

×	2	••••	••••	
-2	• • • • • • • •	6	2	
4	8	-12	-4	
1	2	-3	-1	

4

[3]



		5		
4	(a)	Write this fraction in its simplest form. $\frac{24}{33}$		
	(b)	Work out. $\frac{1}{7} \times \frac{1}{2}$	(a)	_ [1]
	(c)	In a class of 20 children, there are 11 girls.	(b)	_ [1]
		What percentage of these children are girls?	(c)%	[2]
	(d)	$\frac{14}{24}$ is bigger than $\frac{1}{2}$. Explain how you can tell that this statement is	s correct.	
				[1]
© 0	CR 200)7	[Turn	over



Complete the 'Name of quadrilateral' column in the table below. 6

Choose the name of the quadrilateral from:

Rectangl	e Ki	te S	quare	Parallelogram	Rhombus
Four equal sides?	Four equal angles?	Diagonals always of equal length?	Diagonals cut each other at right- angles?	Name of qu	uadrilateral
No	No	No	No		
Yes	Yes	Yes	Yes		
No	Yes	Yes	No		
No	No	No	Yes		[4
					4

[Turn over

7 Luke plays a game with two fair spinners.

Spinner A is numbered 2, 3, 4, 5. Spinner B is numbered 1, 2, 3, 4.

He spins both spinners. His score is the sum of the two numbers.

(a) Complete the table below to show all his possible scores.



8

2

4

S

ω

1

3

N

[2]

[1]

3

(b) What is the probability that Luke's score is 9?

(b)

Section A Total [25]

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Oxford Cambridge and RSA Examinations

General Certificate of Secondary Education

MATHEMATICS C MODULE M5 – SECTION A Specimen Mark Scheme B275/A

The maximum mark for this paper is 25.

				Τ		4000
1	(a)	$40 \times 80 = £32$	W2		IVI1	40 x 80
		<i>or</i> 41 x 80 = £32.80				or 41 x 80
		<i>or</i> 41 x 83 = £32.20				or 40 x 85
		or 41 x 85 = £34				$ar 40 \times 90 = f36$
						$or 40 \times £1 = £40$
	(b)	Smaller, both rounded	W1			f.t. <i>their</i> (i)
		down				
			3			
2		Drawing completed	W2		W1	for one rotation of shape drawn
		correctly				
			2			
3		- 4, - 3 and – 1	W3			1 for each
			3			
4	(a)	8	W1			
	(/	$\frac{3}{11}$				
	(h)	4	10/4			
	(0)	$\left \frac{1}{44} \right $	VVI			
		14				
	(c)	55	W2		M1	for 1 child = 5% seen or implied
	(d)	$\frac{1}{2} - \frac{12}{2}$ so $\frac{14}{2}$ is bigger	W1			Must see an equivalent fraction
		2 24 24				for companyon
			5			
	1			$\left \right $		
5	(a)	34	W2		W1	sight of 28
	(b)(i)	8a	W1			
	(ii)	$A_{2+}6b$	W2			
	(1)	דערטט	- VVZ			
			5			

6		1 each for:- parallelogram square rectangle kite	1 1 1 1 4		
7	(a) (b)	12 correct values $\frac{1}{16}$	W2 W1 3	W1	9 values correct

Section A Total 25

Question	AO2	AO3	AO4	Total
1	3			3
2		2		2
3	3			3
4	5			5
5	5			5
6		4		4
7			3	3
Totals	16	6	3	25

Assessment Objectives Grid