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	RECOGNISING ACHIEVEMENT GENERAL CERTIFICATE OF SECONDARY ED MATHEMATICS B (MEI)	DUCATION B291A										
	Paper 1 Section A (Foundation Tier) MONDAY 19 MAY 2008	Morning Time: 45 minutes										
*	Candidates answer on the question paper Additional materials (enclosed): None Additional materials (required):											
Þ / Ţ 5 2 2 1	Geometrical instruments Tracing paper (optional)											
*	Candidate Ca Forename Su	Indidate Irname										
	Centre Ca Number Nu	Indidate Indidate Indidate										
	 INSTRUCTIONS TO CANDIDATES Write your name in capital letters, your Centre Number and Candidate Number in the boxes above. Use blue or black ink. Pencil may be used for graphs and diagrams only. Read each question carefully and make sure that you know what you have to do before starting your answer. Answer all the questions. Show your working. Marks may be given for a correct method even if the answer is incorrect. Do not write in the bar codes. Write your answer to each question in the space provided. 											
	 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 36. 											
	WARNING You are not allowed calculator in Section A	d to use a of this paper. FOR EXAMINER'S USE										
		SECTION A SECTION B TOTAL										

This document consists of **10** printed pages and **2** blank pages.

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2

Formulae Sheet: Foundation Tier





a

h

b

Volume of prism = (area of cross-section) × length

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3

1	(a)	Wri	te in :	figures	s the r	num	ber fi	ive the	ousanc	l sever	hundre	ed and f	our.
													(a) [1]
	(b)	Wri	te 60	243 in	word	ls.							
					•••••	•••••		•••••			•••••	•••••	
						•••••							[1]
	(c)	Wri	te 56	28 to tl	he nea	ares	t 10.						
													(c) [1]
	(d)	Her	e is a	list of	numl	bers	•						
					5	5	6	7	8	9	10	11	12
		From	n thi	s list se	elect								
		(i)	a fa	ctor of	14,								
													(d)(i) [1]
		(ii)	a m	ultiple	of 4.								

(**ii**) [1]



4

The diagram is divided into five shapes.

(a)	Label the rectangle R.	[1]
(b)	Label the parallelogram P.	[1]
(c)	Label the trapezium T.	[1]
(d)	Mark a right angle on the diagram.	[1]

3 (a) Here are four number cards.



(i) Write down the largest number that can be made by arranging these four cards.

		(a)(i) [1]
(ii)	Explain how you obtained your answer to part (a)(i).	
(b) (i)	Write down the whole number nearest to $\sqrt{47}$.	
		(b)(i) [1]
(ii)	Explain how you obtained your answer to part (b)(i).	
		[1]

4 The scale drawing represents a ladder leaning against a wall.



(a) The scale is 1 cm to 20 cm.

How high up the wall does the ladder reach?

(a) cm [2]

(**b**) Measure the angle *x*.

(b) $x = \dots ^{\circ} [1]$

5 (a) Solve this equation.

2x - 5 = 6

(a) [2]

(b) Simplify this expression.

$$2c + 3d + 5c - 4d$$

6 Amy has a rectangular rug measuring 2 metres by 4 metres.



(a) Work out the perimeter of the rug.

(a) m [1]

(b) Work out the area of the rug. Give the units of your answer.

- 7 Simon and Mark played a game.
 - (a) Here are Simon's scores.

2 7 9 3 4

Work out

(i) the range,

(a)(i) [1]

(ii) the mean.

8 (a) Work out 0.3×0.4 .

(**a**) [1]

(b) Given that $27.9 \times 316 = 8816.4$ write down the value of 279×3.16 .

(b) [1]

9 This list shows the number of minutes taken by each of 11 students to travel to school.

 23
 42
 37
 34
 28
 25

 41
 28
 36
 30
 43

Show this information in an ordered stem and leaf diagram.



10 Rearrange the formula v = u + 10t to make t the subject.

t =[2]

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