		OCRE F RECOGNISING ACHIEVEMENT F GENERAL CERTIFICATE OF SECONDARY EDUCATION B261A MATHEMATICS B (MEI) E								
		Paper 1	Section A(Fo		Morning Time: 45 minutes					
*====			es answer on th							
* C U P / T 4 8 3 3		Additional materials (enclosed): None Additional materials (required): Geometrical instruments Tracing paper (optional)								
*	-	andidate prename				Candidate Surname				
	Centre Number					Candidate Number				
	INS • • •	Write you Use blue Read eac answer. Answer a Show you	or black ink. Pe ch question care II the questions ir working. Mark rite in the bar co	al letters, y ncil may be efully and n	e used for grant nake sure that	aphs and diagra at you know wha prrect method e	ams only. at you have	mber in the boxes above. e to do before starting your answer is incorrect.		
	•	Write you	answer to eac			•				
		ORMATIO	N FOR CANDIE	given in bra		the end of each	question o	or part question.		
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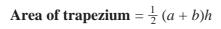
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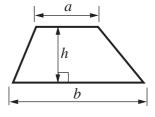
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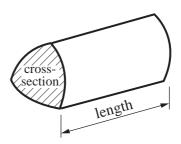
2

Formulae Sheet: Foundation Tier





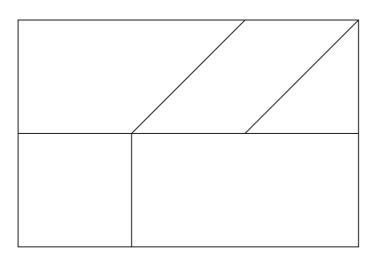
Volume of prism = (area of cross-section) \times length



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3

1	(a)	Write in	figures th	e nun	nber fi	ive the	ousanc	l sever	n hundre	ed and f	our.
											(a) [1]
	(b)	Write 60	243 in w	ords.							
											[1]
	(c)	Write 56	28 to the	neare	st 10.						
											(c)[1]
	(d)	Work ou	t the follo	wing.							
		(i) 463	+ 291								
		(ii) 539	- 267								(d)(i) [1]
											(ii) [1]
	(e)	Here is a	list of nu	mber	s.						
				5	6	7	8	9	10	11	12
		From thi	s list seled	ct							
		(i) a fa	ctor of 14	,							
											(e)(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]

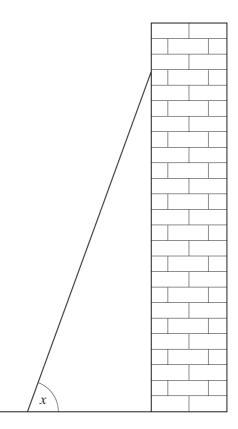
3 (a) Here are four number cards.



(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).	
		[1]
(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.

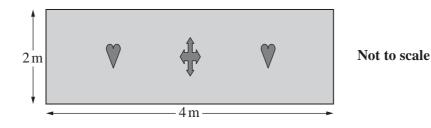
How high up the wall does the ladder reach?

(**a**) cm [2]

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

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

- 5 (a) Solve these equations.
- 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 (a) Work out 0.3×0.4 .

(**a**) [1]

(b) Work out $3^2 - 2^3$.

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

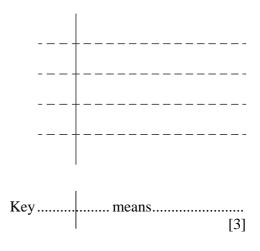
(c) [1]

8 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.



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

t =[2]

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