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	UNIVERSITY OF CAMBRIDGE INTER International General Certificate of Sec	NATIONAL EXAMINATIONS ondary Education	abaCambri
CANDIDATE			
CENTRE NUMBER		CANDIDATE NUMBER	
MATHEMATICS	· · · · · · · · · · · · · · · · · · ·		0580/13
Paper 1 (Core)		October/Nove	ember 2011
Candidates ansv	ver on the Question Paper.		1 hour
Additional Materi	ials: Electronic calculator Mathematical tables (optional)	Geometrical instruments Tracing paper (optional)	

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name on all the work you hand in.

Write in dark blue or black pen.

You may use a pencil for any diagrams or graphs.

Do not use staples, paper clips, highlighters, glue or correction fluid.

DO NOT WRITE IN ANY BARCODES.

Answer all questions.

If working is needed for any question it must be shown below that question.

Electronic calculators should be used.

If the degree of accuracy is not specified in the question, and if the answer is not exact, give the answer to three significant figures. Give answers in degrees to one decimal place. For π , use either your calculator value or 3.142.

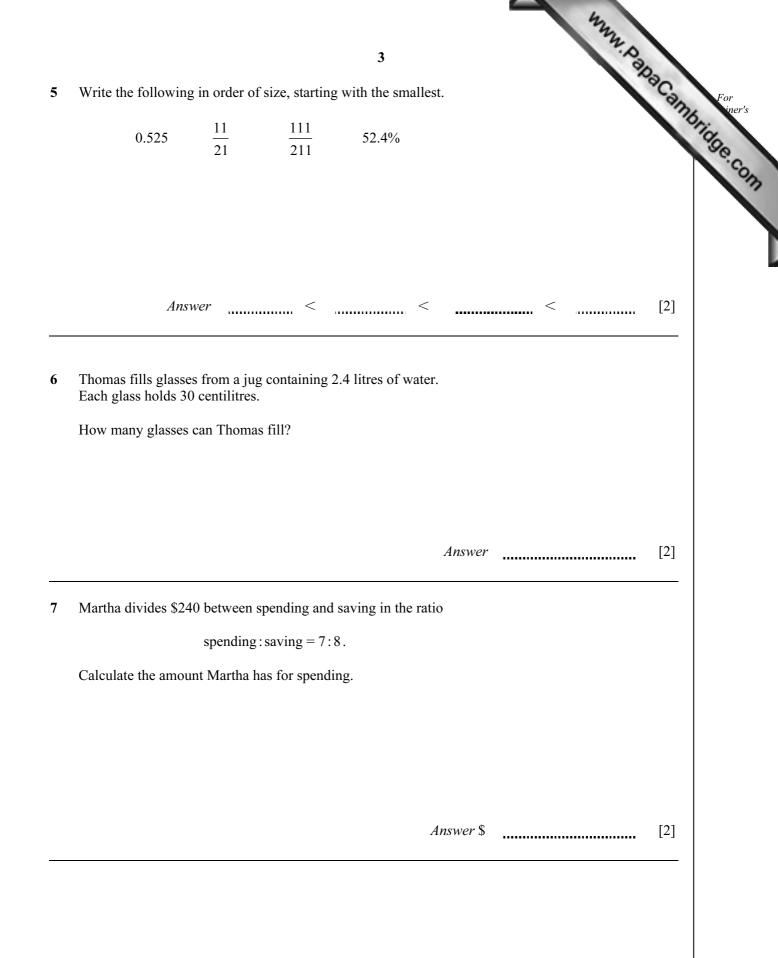
At the end of the examination, fasten all your work securely together.

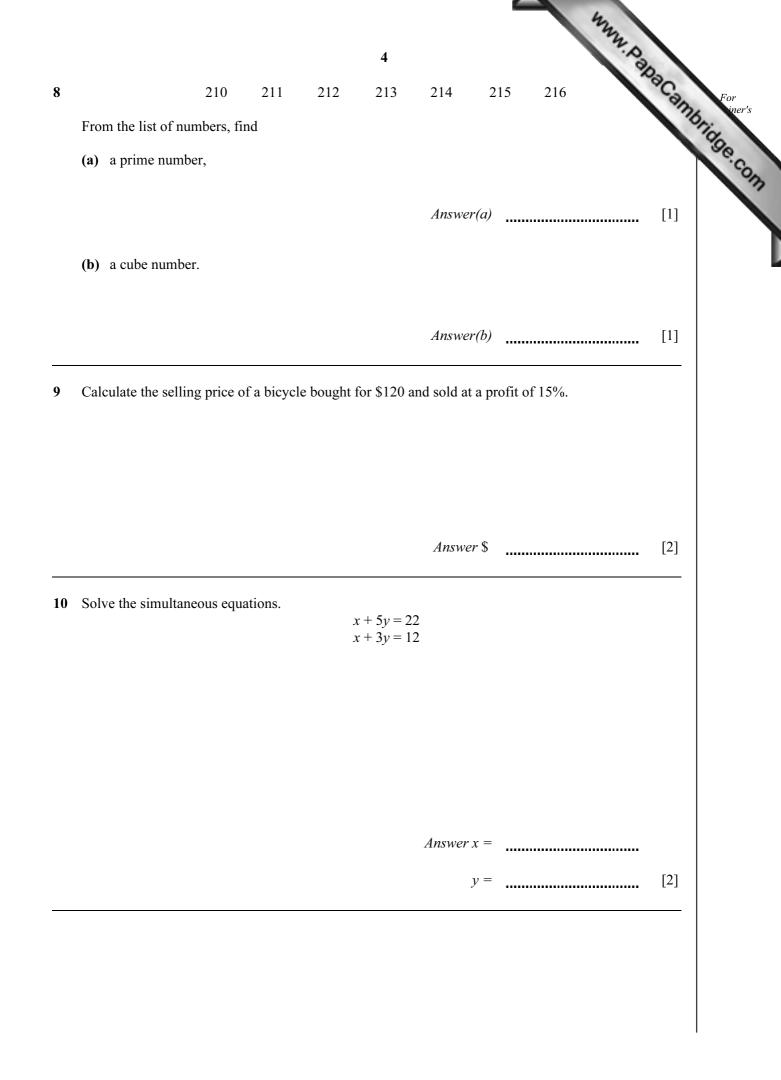
The number of marks is given in brackets [] at the end of each question or part question. The total of the marks for this paper is 56.

This document consists of **12** printed pages.

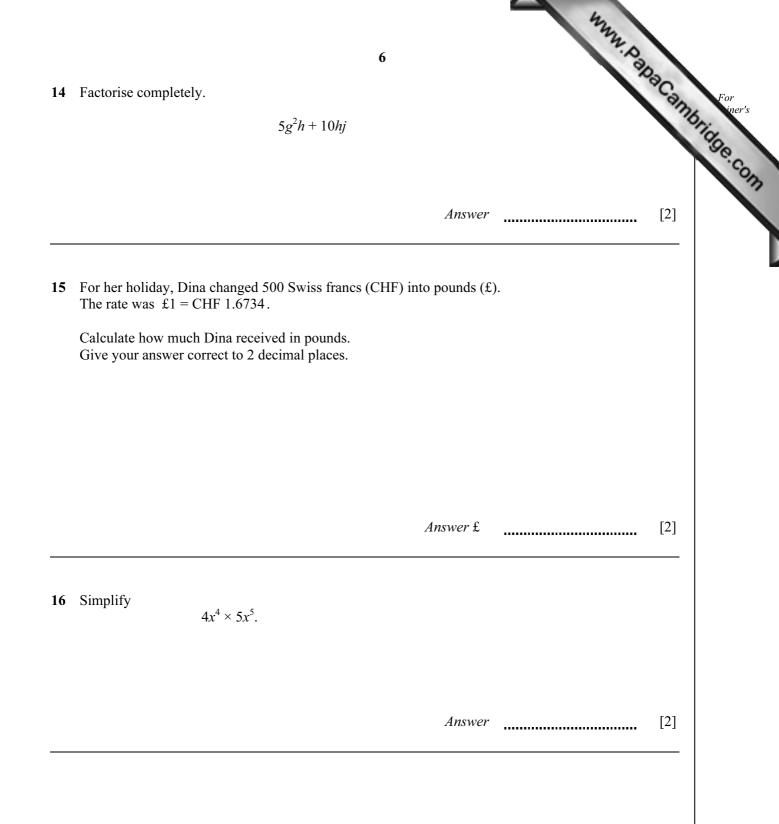


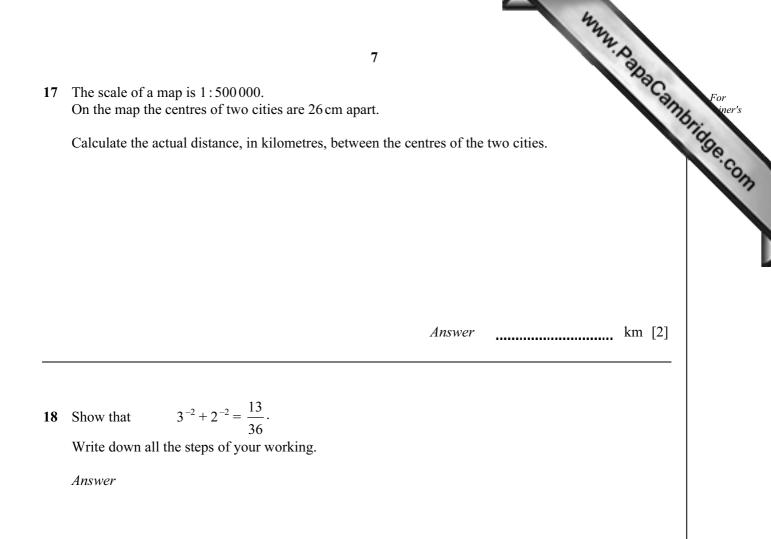
2	
2 During April the probability that it will rain on any one day is $\frac{5}{6}$. On how many of the 30 days in April would it be expected to rain?	aCall
Answer	[1]
(a) Write, in figures, the number	
one hundred and five thousand and two.	
Answer(a)	[1]
(b) Write your answer to part (a) correct to the nearest ten thousand.	
Answer(b)	[1]
Simplify the expression.	
7x + 11y + x - 6y	
Answer	[2]
Insert one pair of brackets into each calculation to make the answer correct.	
(a) $7 \times 6 - 3 + 5 = 26$	[1]
(b) 8 - 6 \times 4 - 1 = -10	[1]



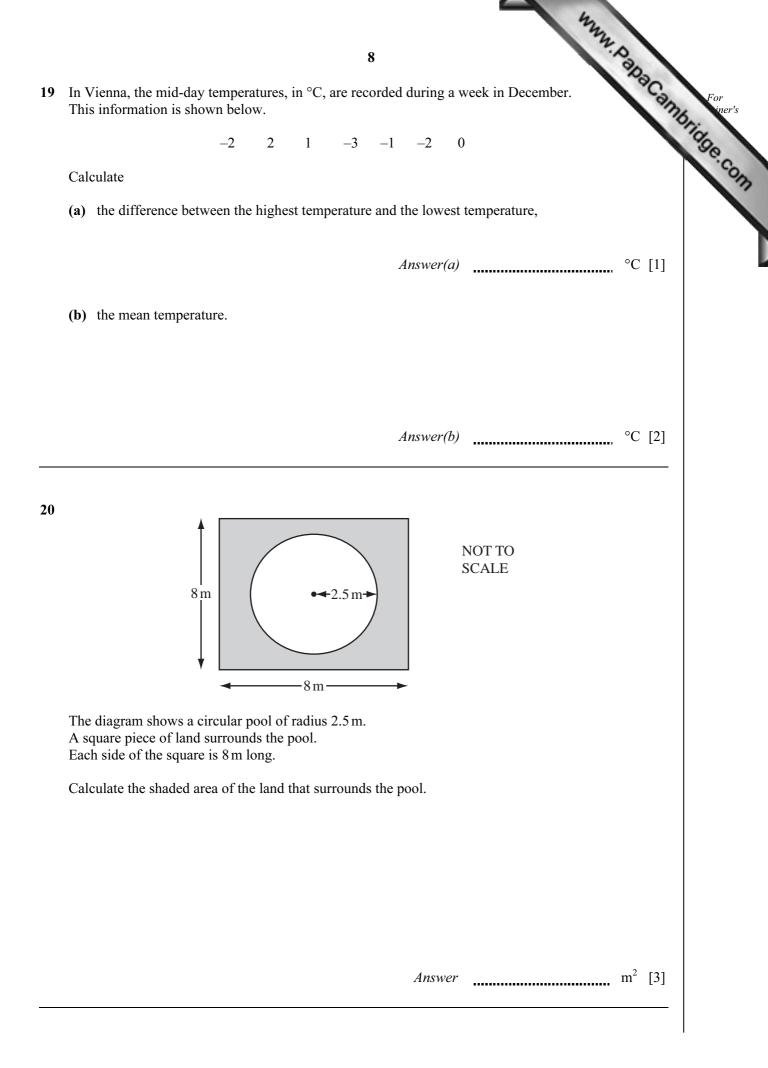


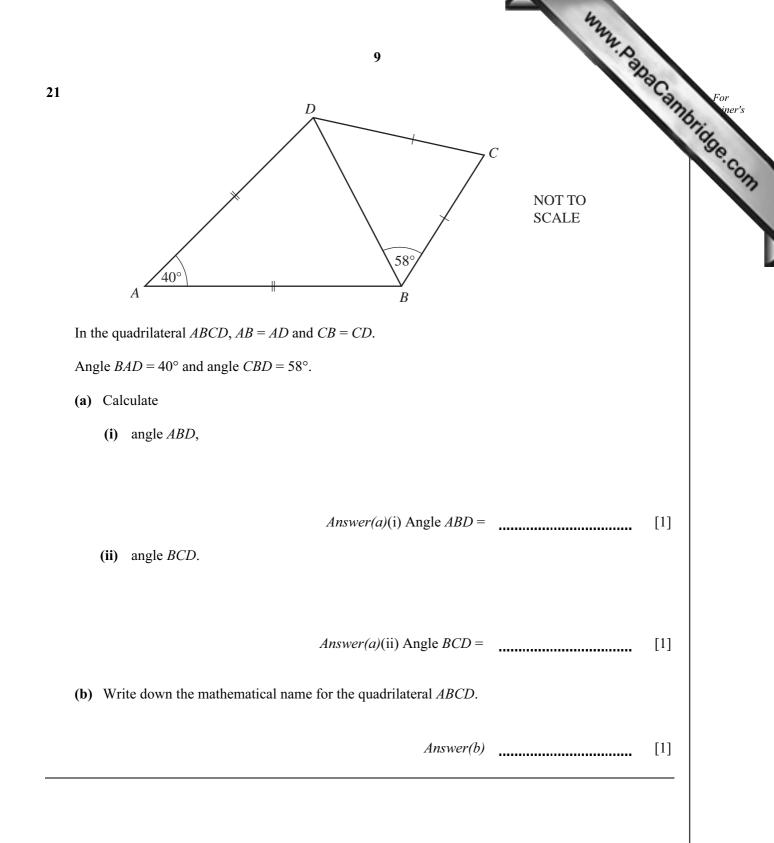
11	Solve the equation. $\frac{2x-3}{2} = 2$		MANN POR	28Can
		Answer x =		[2]
12	The population of a city is 128000, correct to the neare(a) Write 128000 in standard form.	est thousand.		
	(b) Write down the upper bound of the population.	Answer(a)		[1]
		Answer(b)		[1]
13	Pedro invested \$800 at a rate of 5% per year compoun Calculate the total amount he has after 2 years.	d interest.		
		Answer \$		[2]

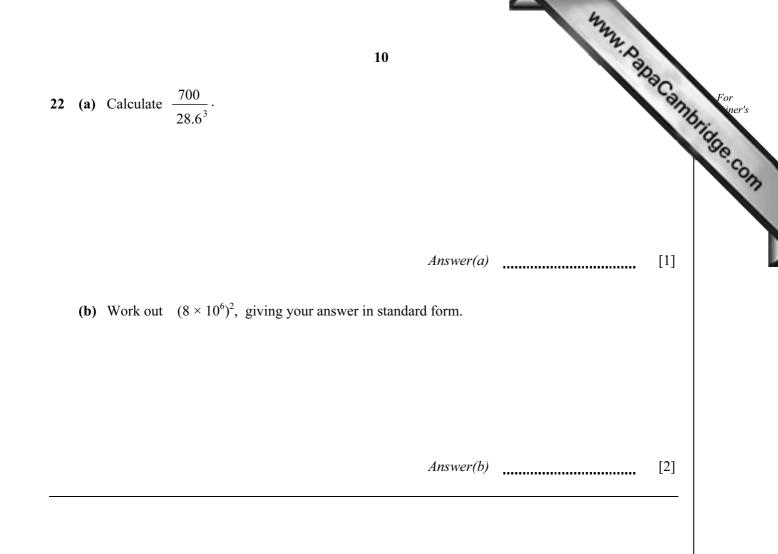


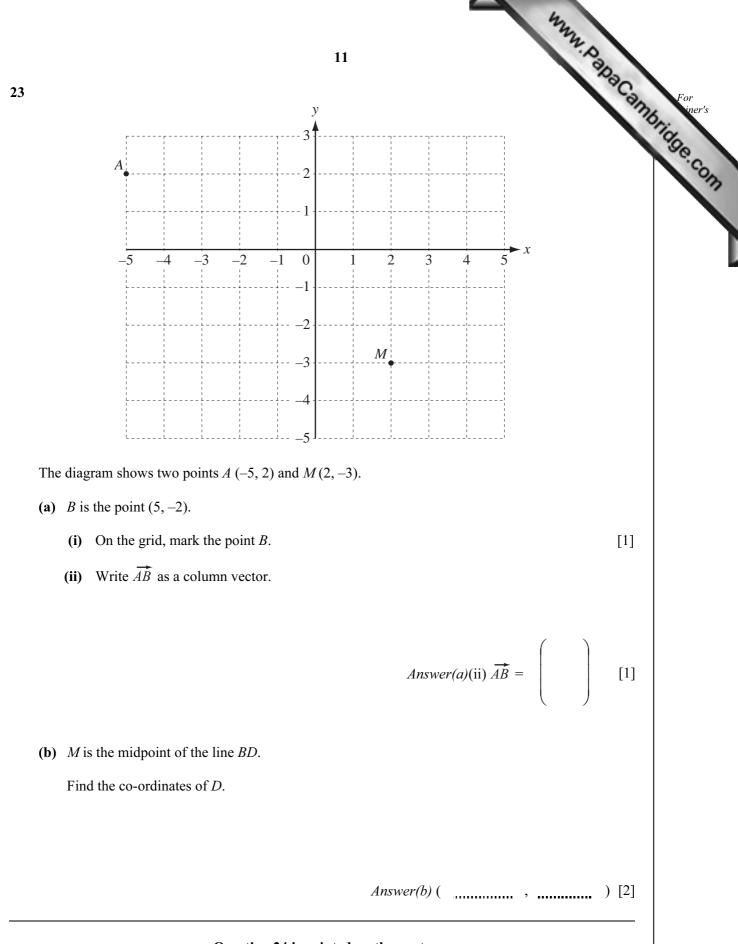


[2]

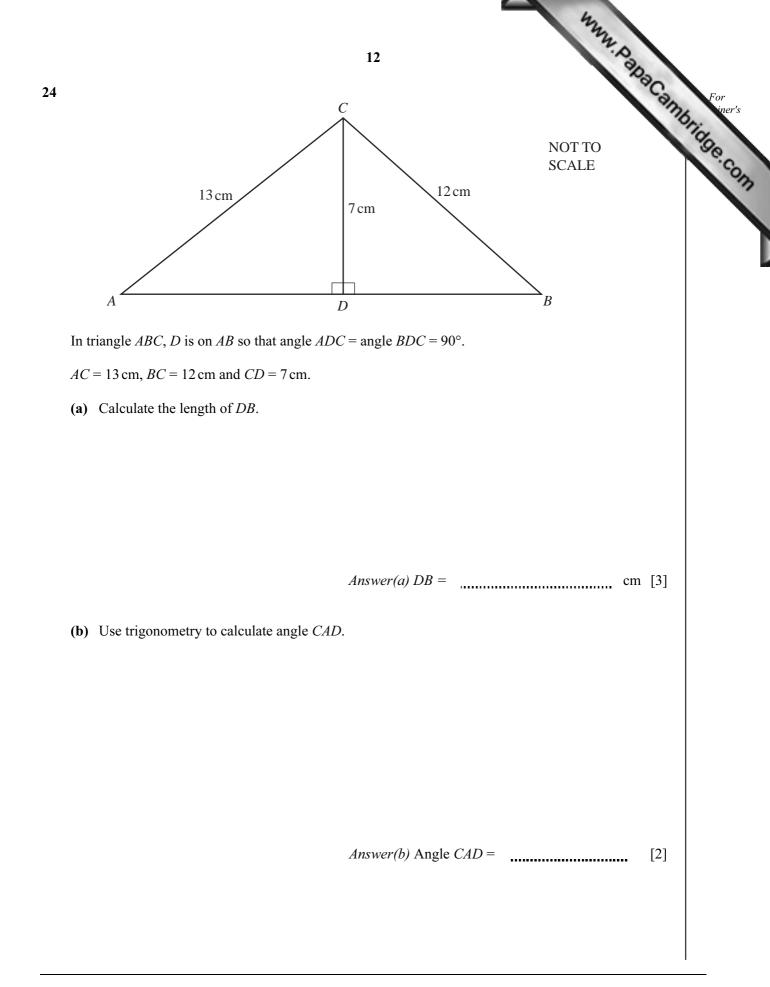








Question 24 is printed on the next page.



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