		www.strapap				
	UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIC International General Certificate of Secondary Education	A. DabaCam				
CANDIDATE NAME						
CENTRE NUMBER	CANDIDATE NUMBER					
MATHEMATIC	S	0580/12				
Paper 1 (Core)	Octo	ober/November 2012				
		1 hour				
Candidates an	wer on the Question Paper.					
Additional Mate	erials: Electronic calculator Geometrical instrument Mathematical tables (optional) 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  $\pi$ , use either your calculator value or 3.142.

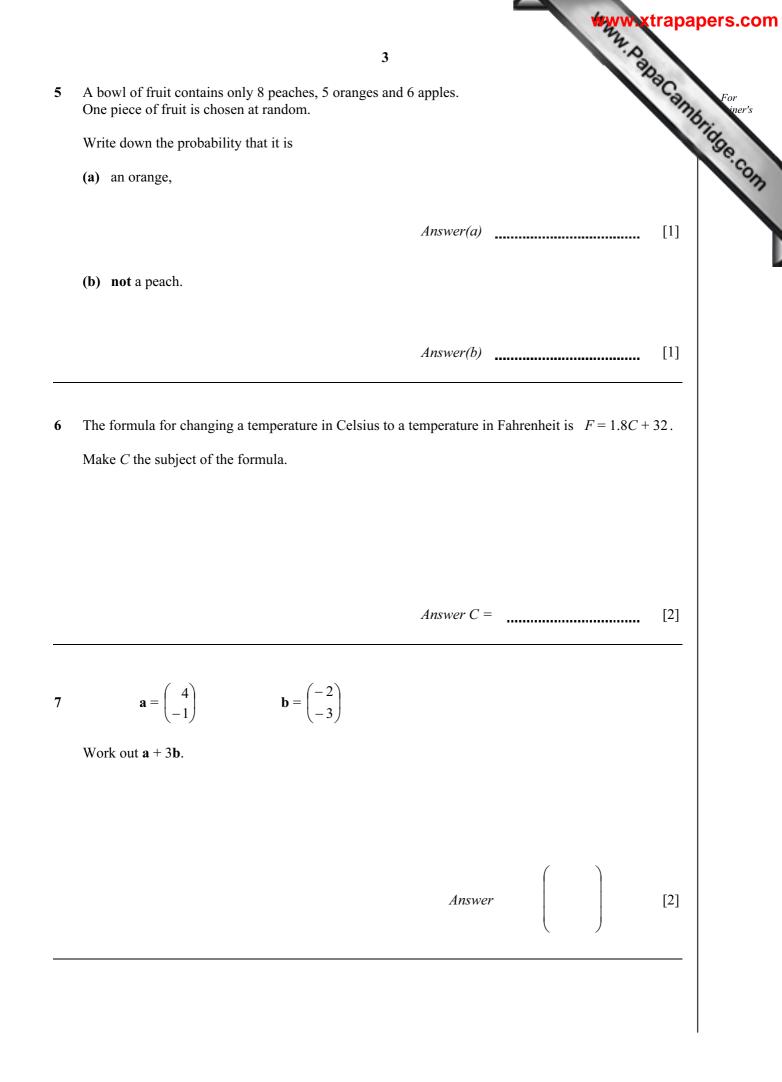
At the end of the examination, fasten all your work securely together.

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.

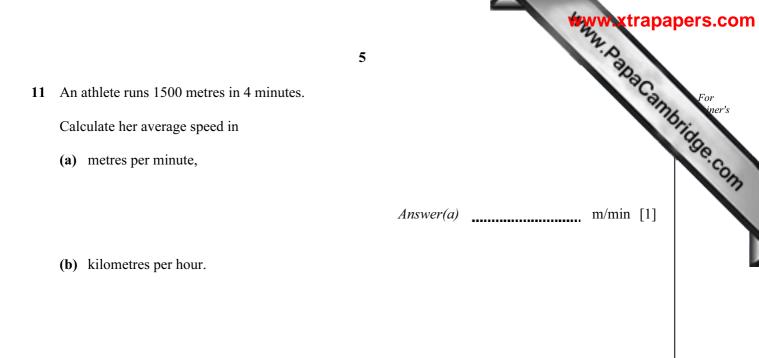
This document consists of 11 printed pages and 1 blank page.



	www.xtrapap	For iner's						
1	Work out $\frac{3}{7} \times \frac{5}{2}$ .	For						
	7 8	ig let						
	Give your answer as a fraction.	Se. 9						
	<i>Answer</i> [1]							
2	Amisi travelled from Johannesburg to Cairo. She changed 500 Egyptian pounds (EGP) to South African rand (ZAR) when the exchange rate was $1 \text{ EGP} = 1.24 \text{ ZAR}.$							
	Calculate the amount she received.							
	Answer ZAR [1]							
3	Write the following numbers correct to one significant figure.							
	(a) 7682							
	<i>Answer(a)</i> [1]							
	<b>(b)</b> 0.07682							
	Answer(b) [1]							
4	Mars is ninety-one million, seven hundred thousand kilometres from Earth.							
	(a) Write this number in figures.							
	<i>Answer(a)</i> [1]							
	(b) Write your answer to part (a) in standard form.							
	Answer(b) [1]							

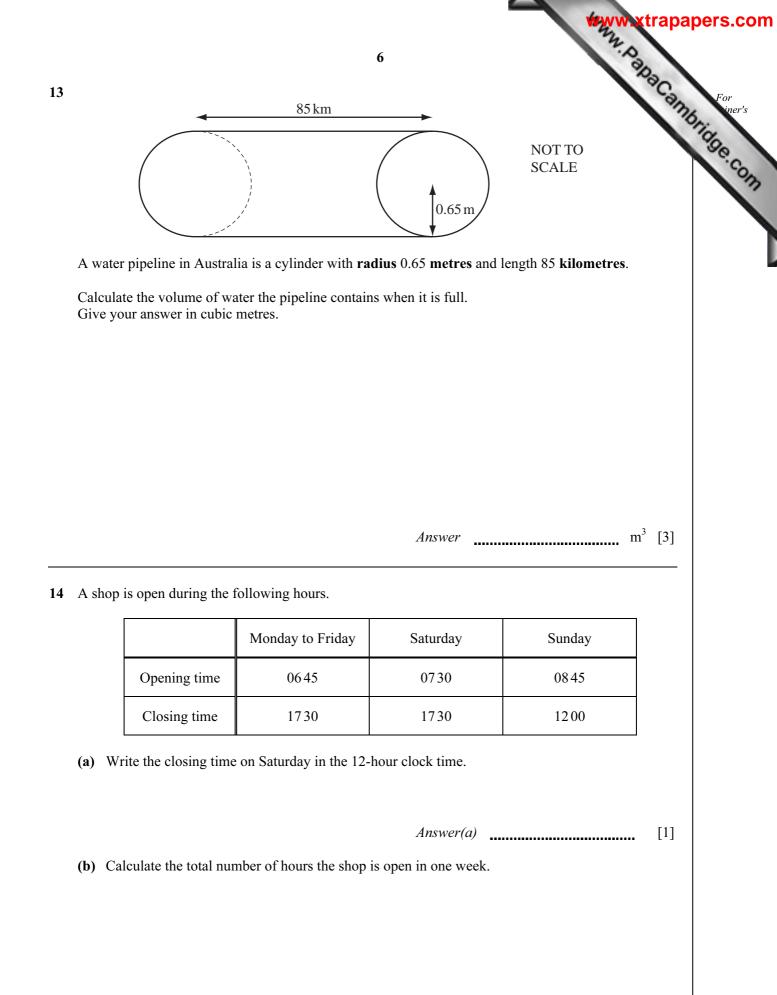


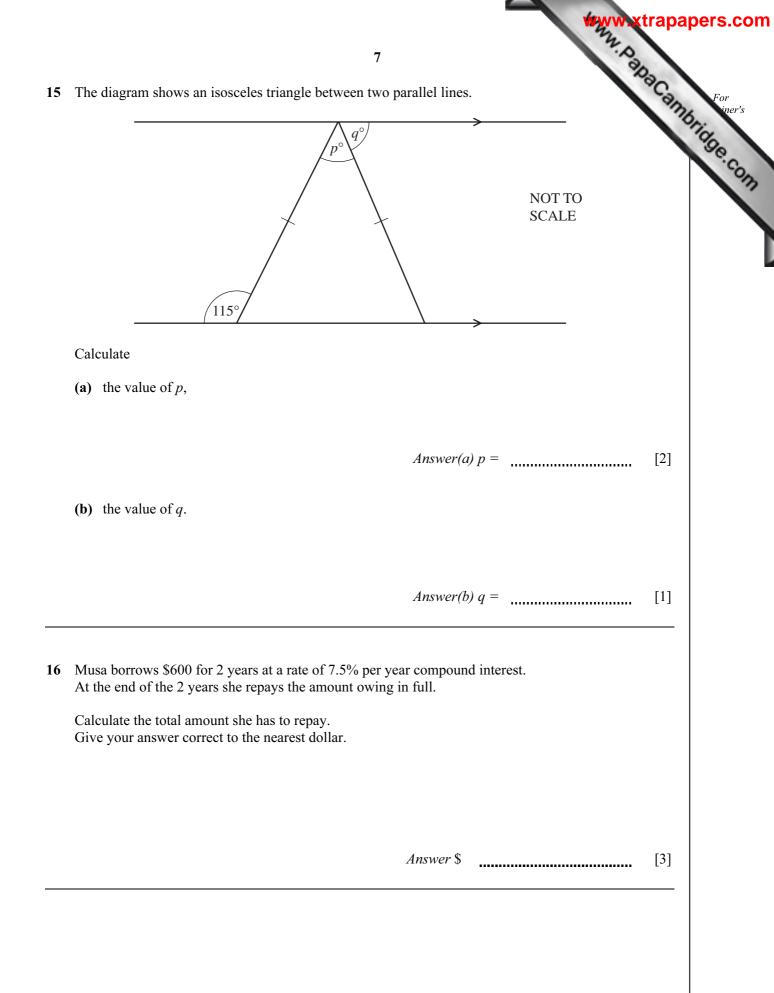
				/	4			
8	Work out.				*			PapaCan.
	(a) $4-5-6$							
					Answer(a)			[1]
	-8							
	<b>(b)</b> $\frac{-8}{-2}$							
					Answer(b)			[1]
9	Patrick buys so He sells all the							
	Calculate his p							
	Show all your		rollt.					
			ront.					
			ront.					
			ront.		Answer			% [3]
			ront.		Answer			% [3]
0			14	15	Answer 16		18	% [3]
10	Show all your	working.	14	15		17	18	. % [3]
10	Show all your	13 13	14	15			18	
10	Show all your 12 From the list o	13 13	14	15	16			
10	Show all your 12 From the list o	13 f numbers, f 36,	14	15	16		18	
10	Show all your 12 From the list o (a) a factor o	13 f numbers, f 36,	14	15	16 Answer(a)			[1]
0	12 From the list o (a) a factor o (b) a multiple	13 f numbers, f 36, e of 8,	14	15	16 Answer(a)			[1]
10	Show all your 12 From the list o (a) a factor o	13 f numbers, f 36, e of 8,	14	15	16 Answer(a)			[1]

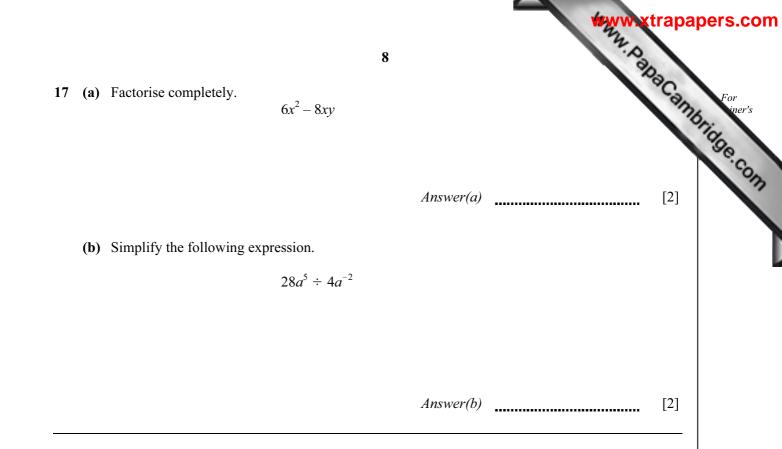


- Answer(b) km/h [2]
- 12 In a traffic survey of 125 cars the number of people in each car was recorded.

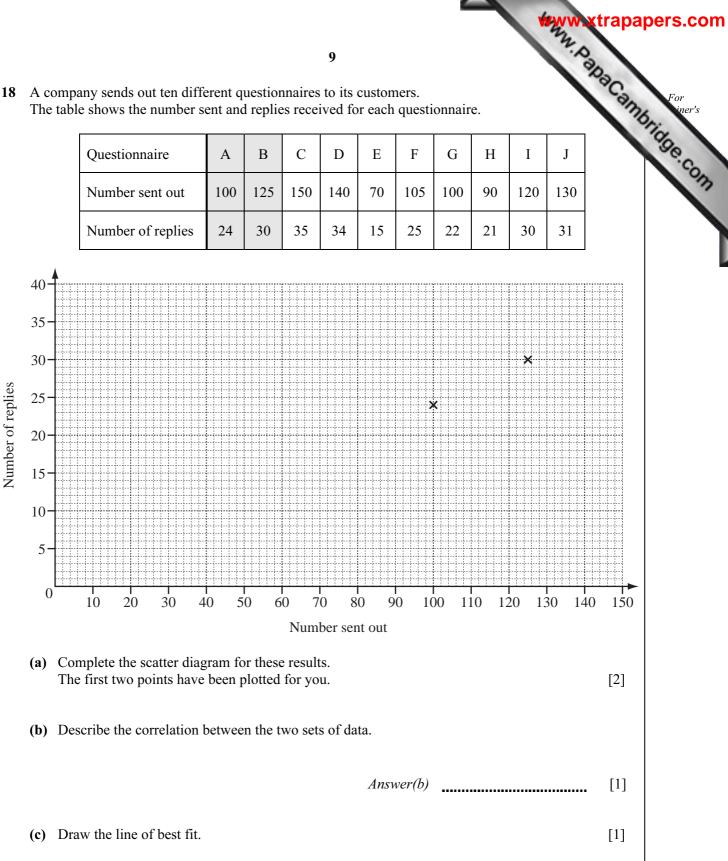
	Number of people in each car	1	2	3	4	5			
	Frequency	50	40	10	20	5			
Find									
(a) the range,									
(b)	(b) the median, [1]								
(c)	the mode.		Ans	wer(b)			[1]		
. /			Ans	wer(c)			[1]		

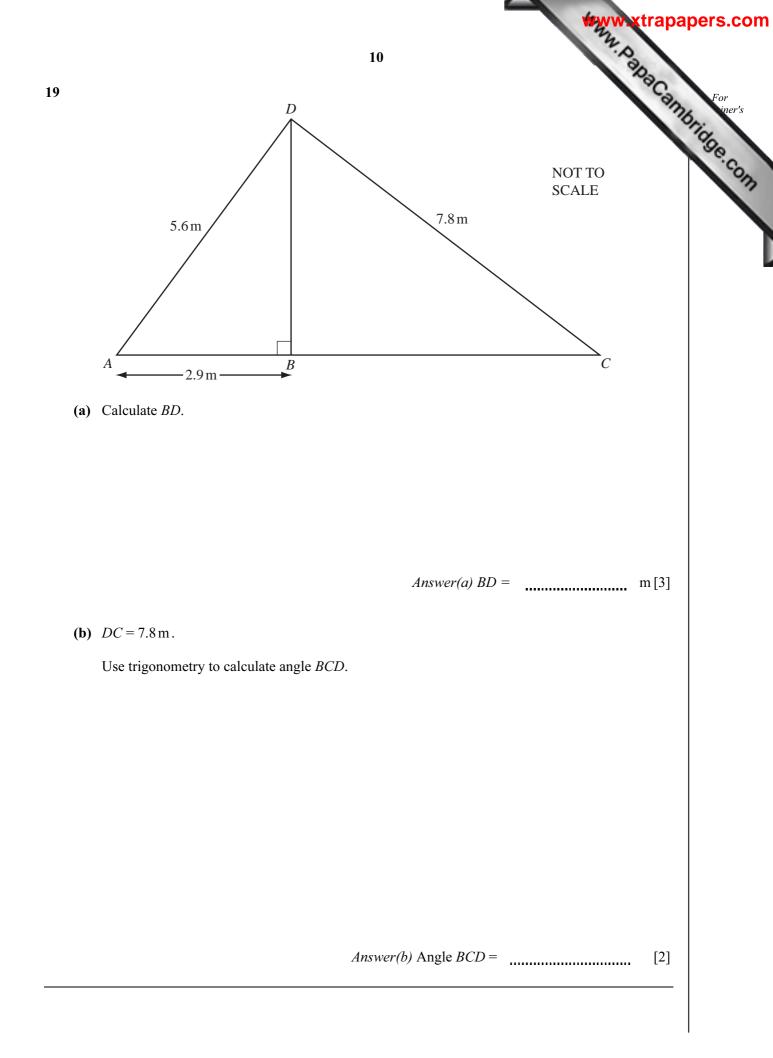


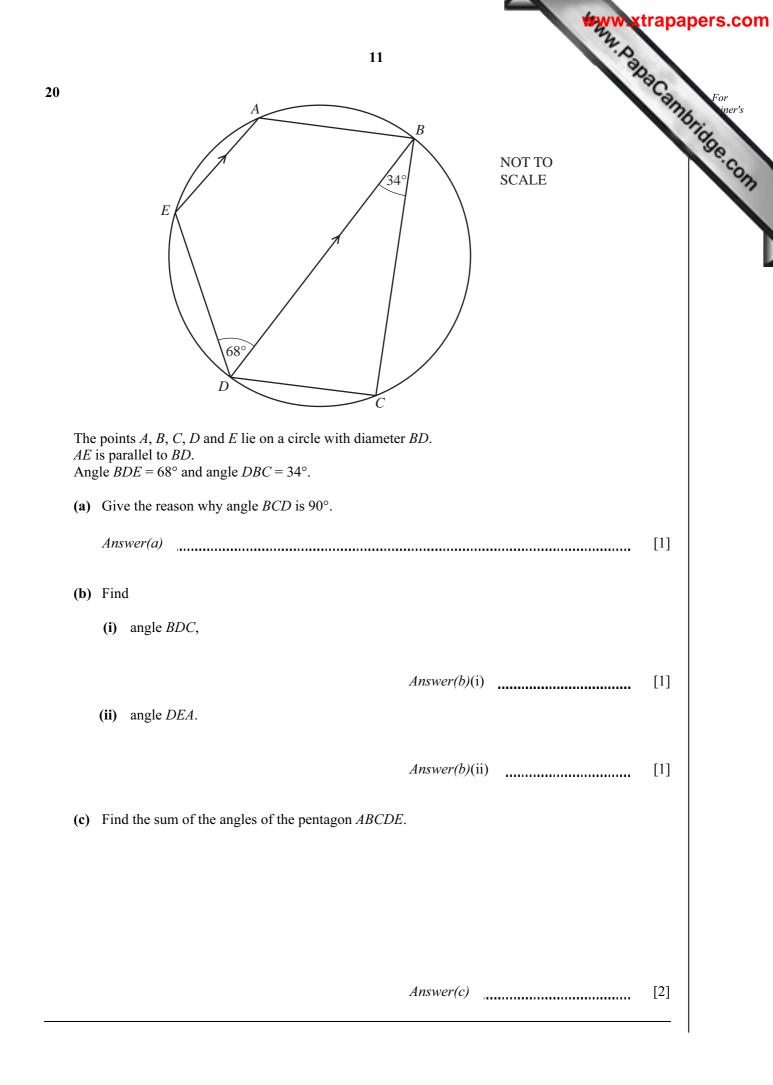




18 A company sends out ten different questionnaires to its customers. The table shows the number sent and replies received for each questionnaire.









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