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	UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATION International General Certificate of Secondary Education	NS
CANDIDATE NAME		
CENTRE NUMBER	CANDIDATE NUMBER	
MATHEMATIC	 S	0581/11
Paper 1 (Core)	Octo	ber/November 2012
		1 hour
Candidates ans	swer on the Question Paper.	
Additional Mate	rials: Electronic calculator Geometrical instruments 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.

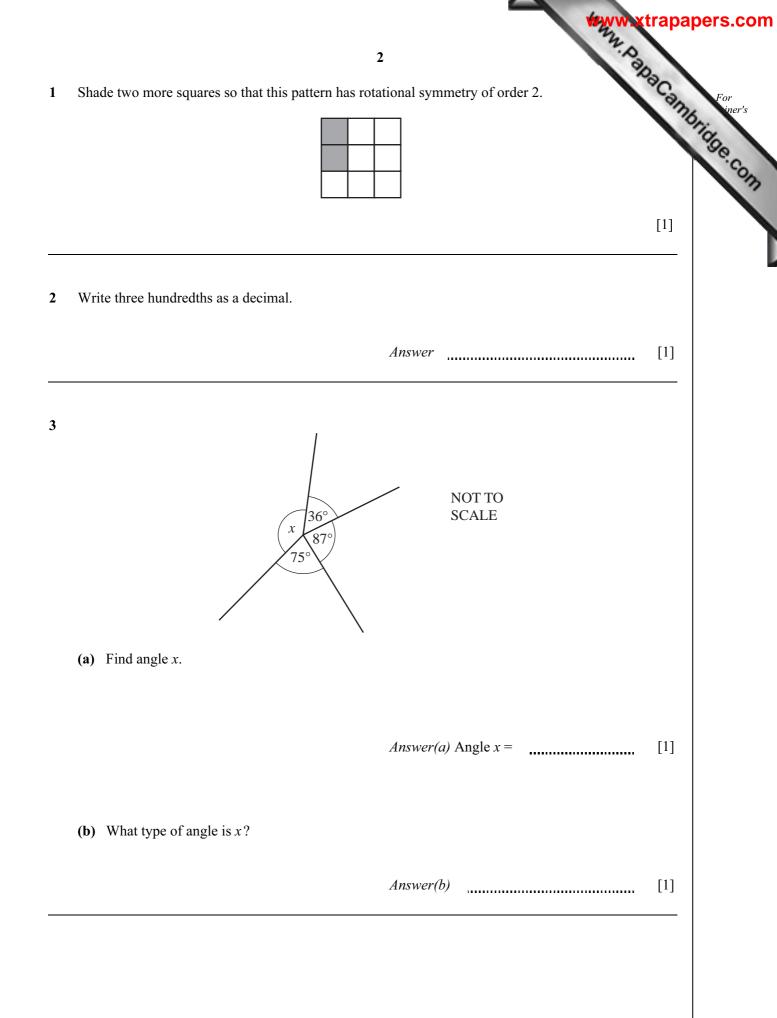
If the degree of accuracy is not specified in the question, and if the answer is not exact, give the answer to three significant figures. Give answers in degrees to one decimal place. For  $\pi$ , use either your calculator value or 3.142.

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

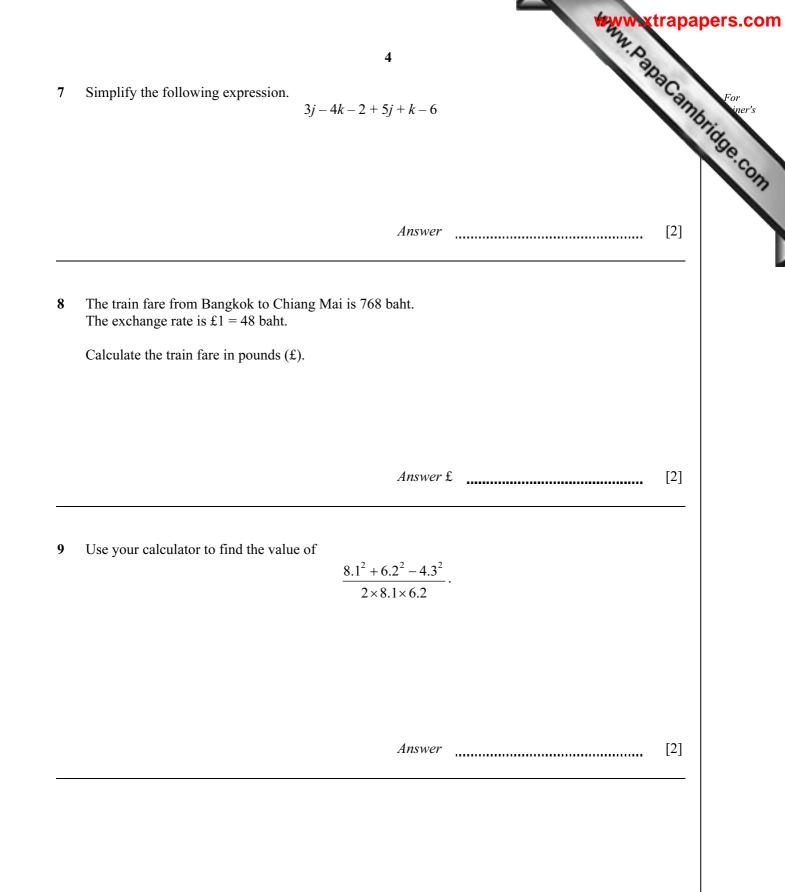
The number of marks is given in brackets [] at the end of each question or part question. The total of the marks for this paper is 56.

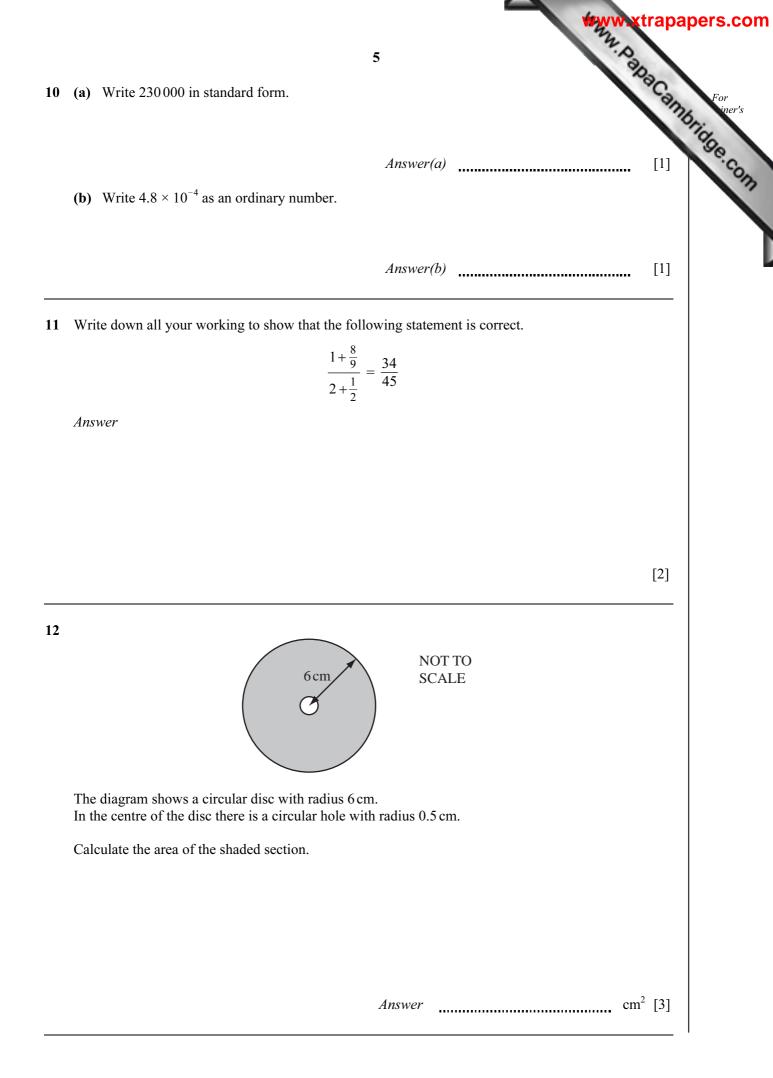
This document consists of **12** printed pages.

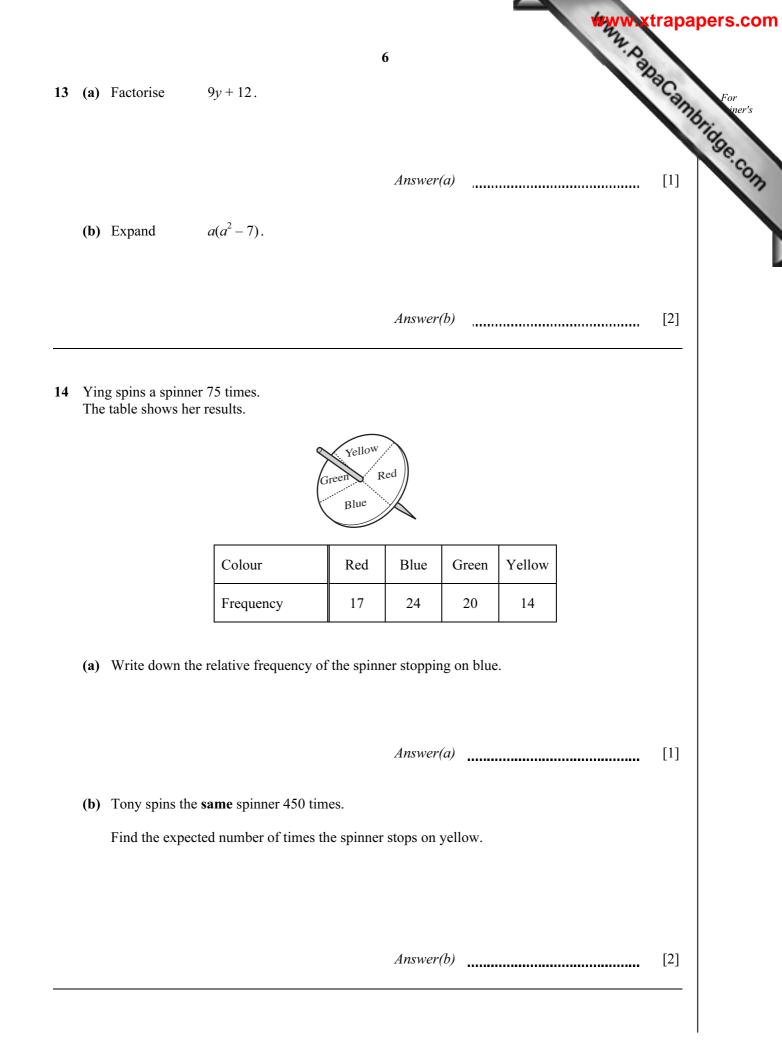


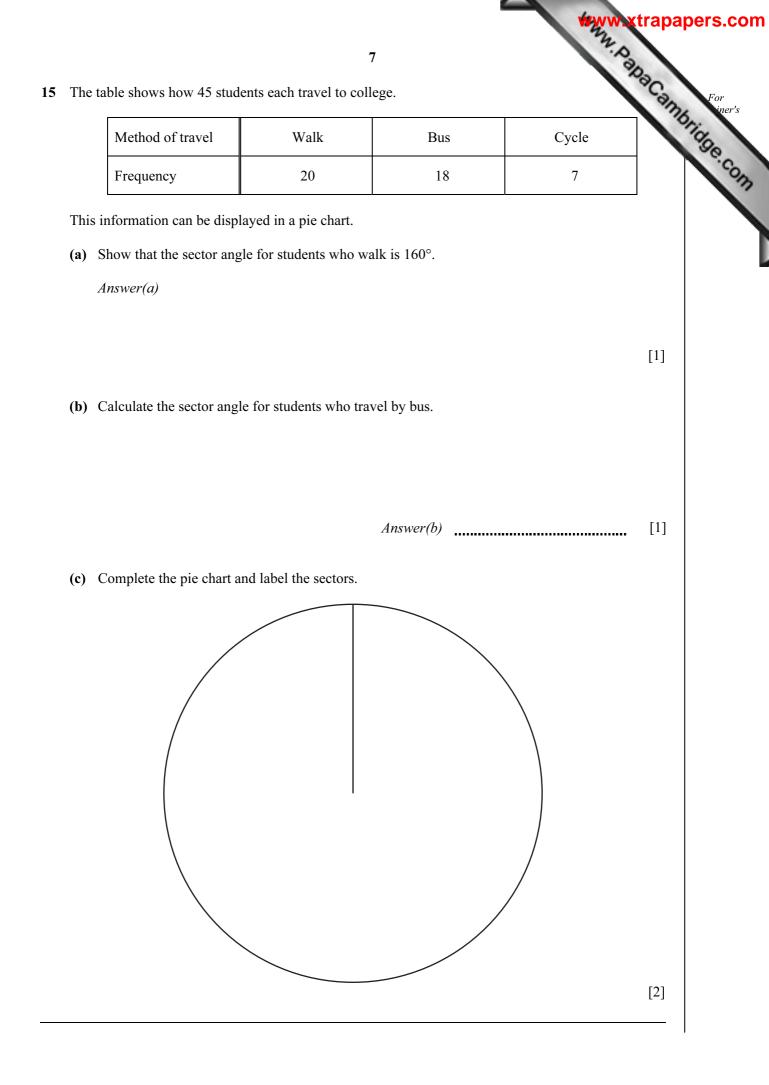


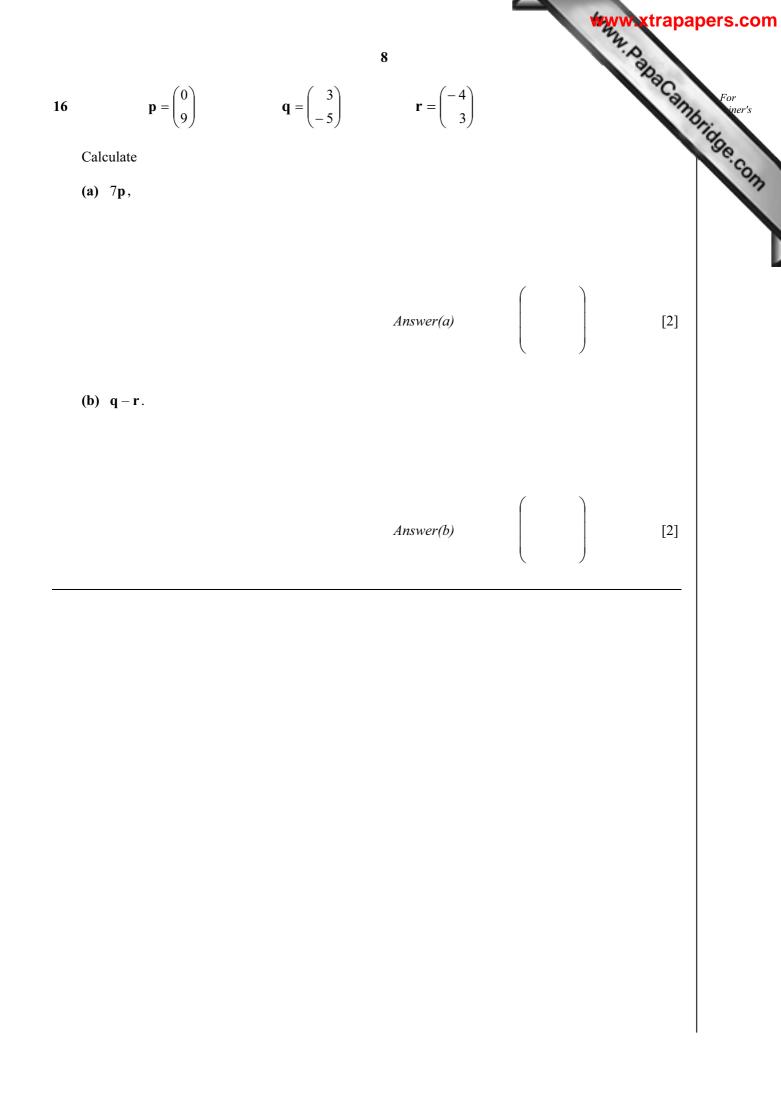
	www.xti	rap
	3 ull.	
A football ground seats 28750 people when it is fu	ull.	Ca
(a) Write 28750 correct to the nearest thousand.		
	Answer(a)	[1]
(b) One day 17250 people attended a football ma	atch	
	ach.	
Work out 17250 as a percentage of 28750.		
	Answer(b) %	[1]
Solve the following equations.		
(a) $x + 9 = 16$		
	Answer(a) $x =$	[1]
<b>(b)</b> $6y = 27$		
	Answer(b) $y =$	[1]
On a mountain, the temperature decreases by $6.5 ^{\circ}$ At 2000 metres the temperature is $10 ^{\circ}$ C.	C for every 1000 metres increase in height.	
Find the temperature at 6000 metres.		
	Answer °C	[2]
	Answer °C	[2]

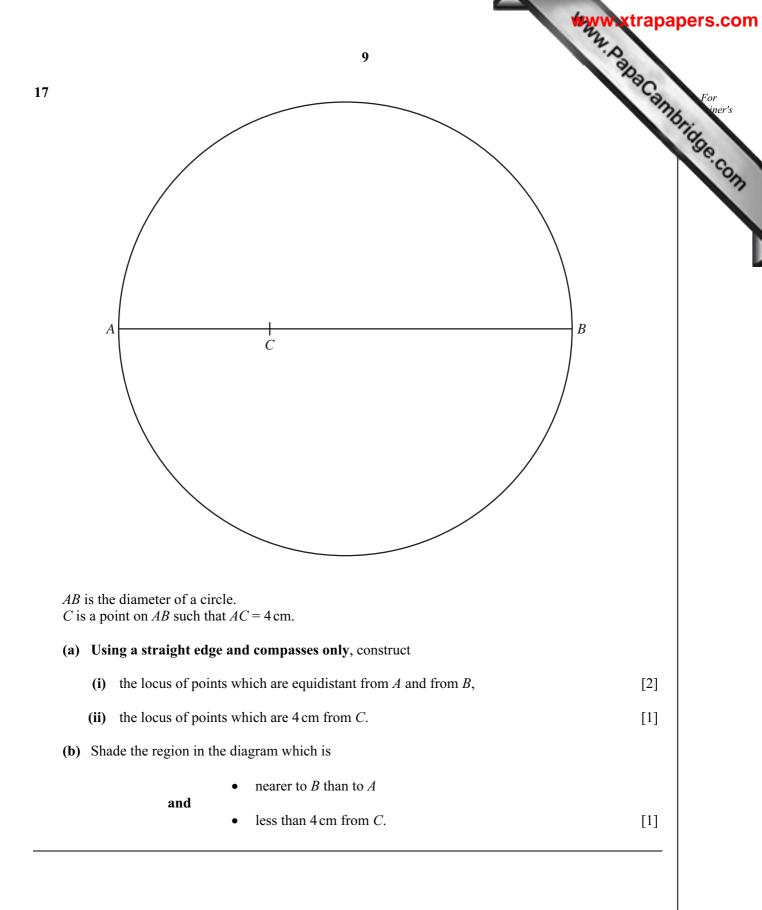


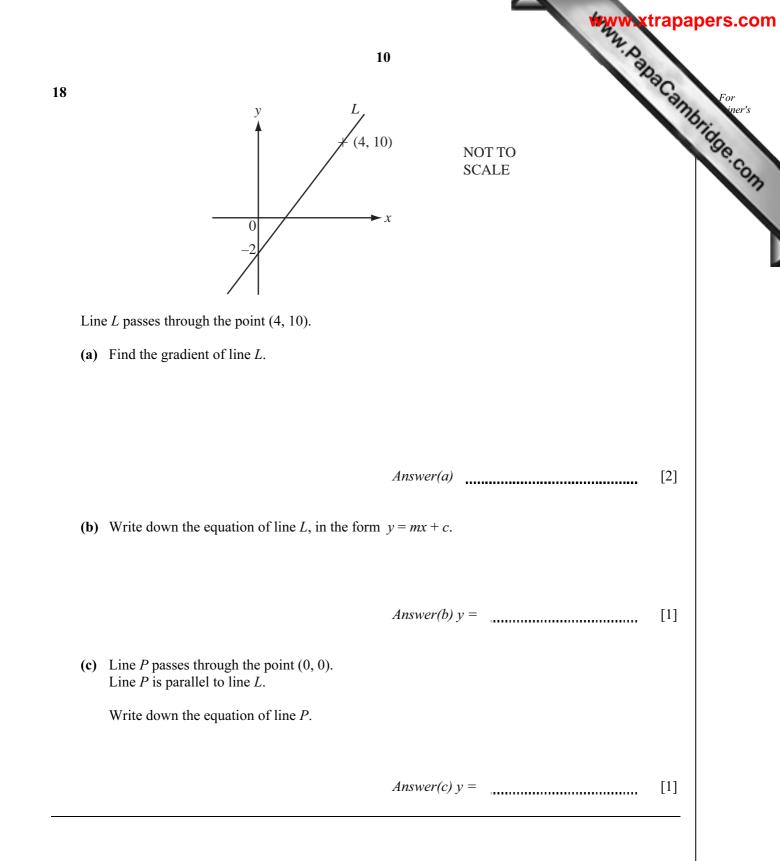


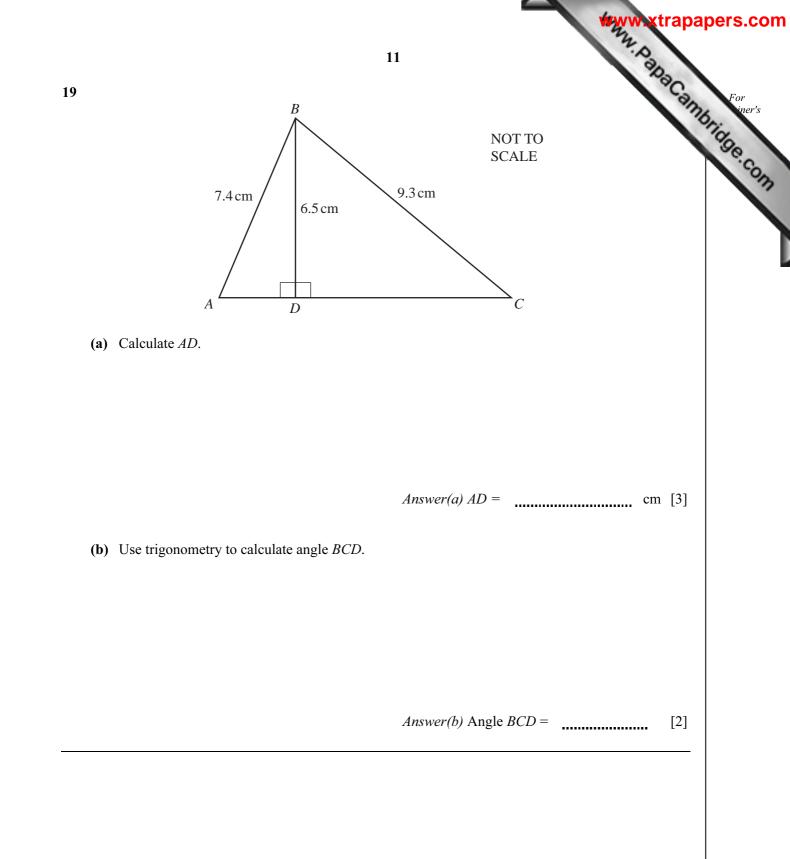




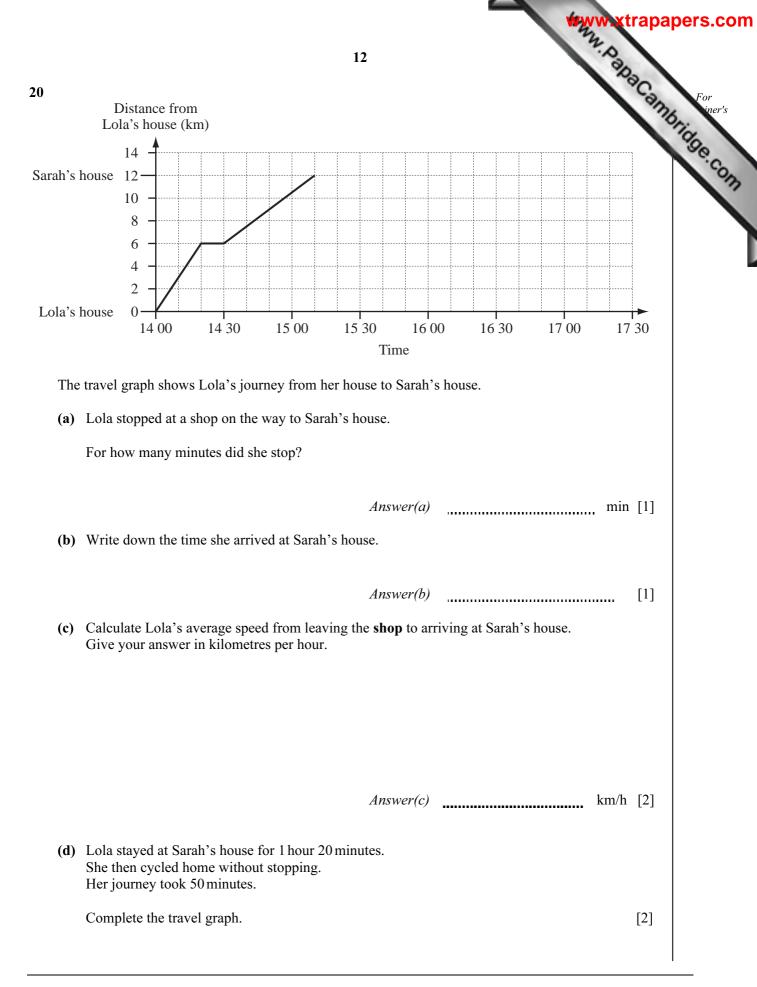








Question 20 is printed on the next page.



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