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	UNIVERSITY OF CAMBRIDGE IN International General Certificate of	
CANDIDATE NAME		
CENTRE NUMBER		CANDIDATE NUMBER
MATHEMATIC	S	0581/
Paper 1 (Core)		May/June 20
		1 hc
Candidates and	swer on the Question Paper.	
Additional Mate	erials: 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.

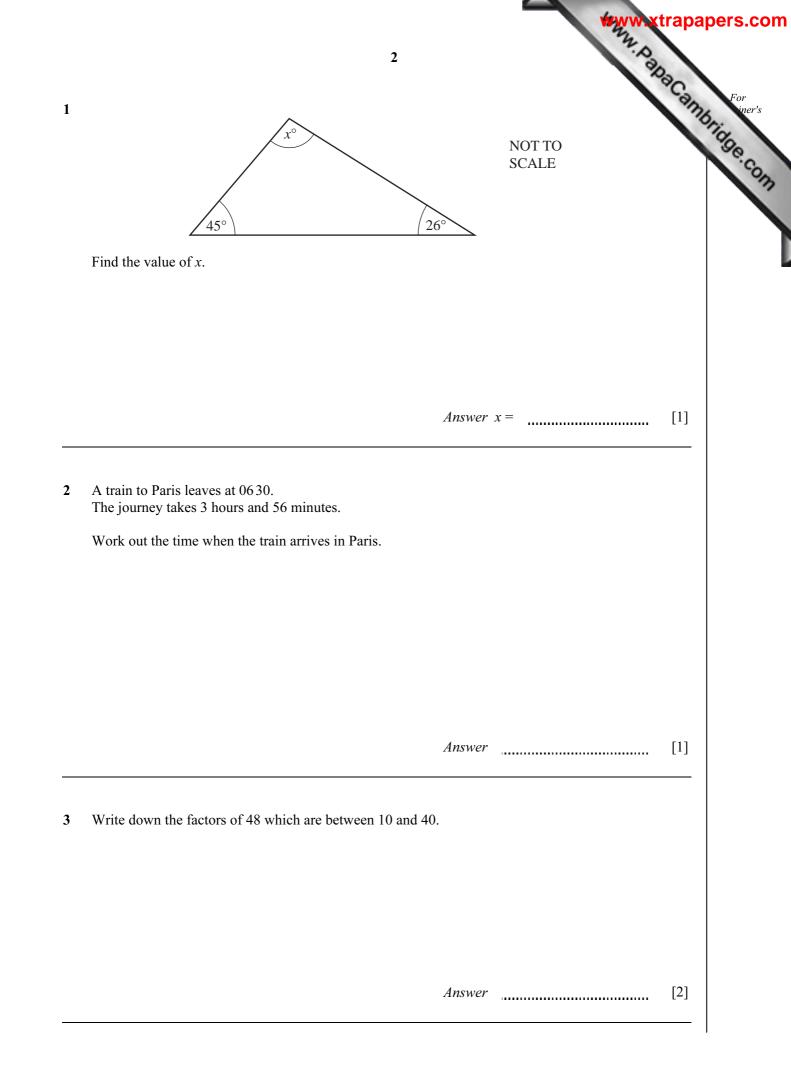
If the degree of accuracy is not specified in the question, and if the answer is not exact, give the answer to three significant figures. Give answers in degrees to one decimal place. For  $\pi$ , use either your calculator value or 3.142.

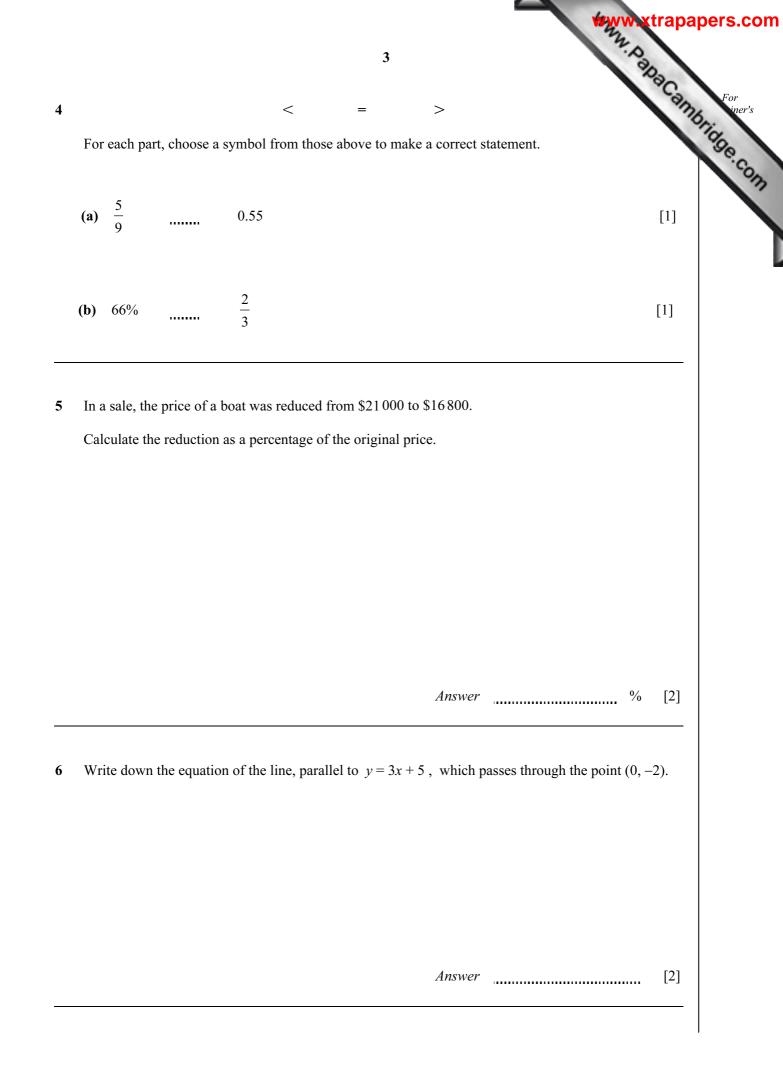
At the end of the examination, fasten all your work securely together.

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 11 printed pages and 1 blank page.



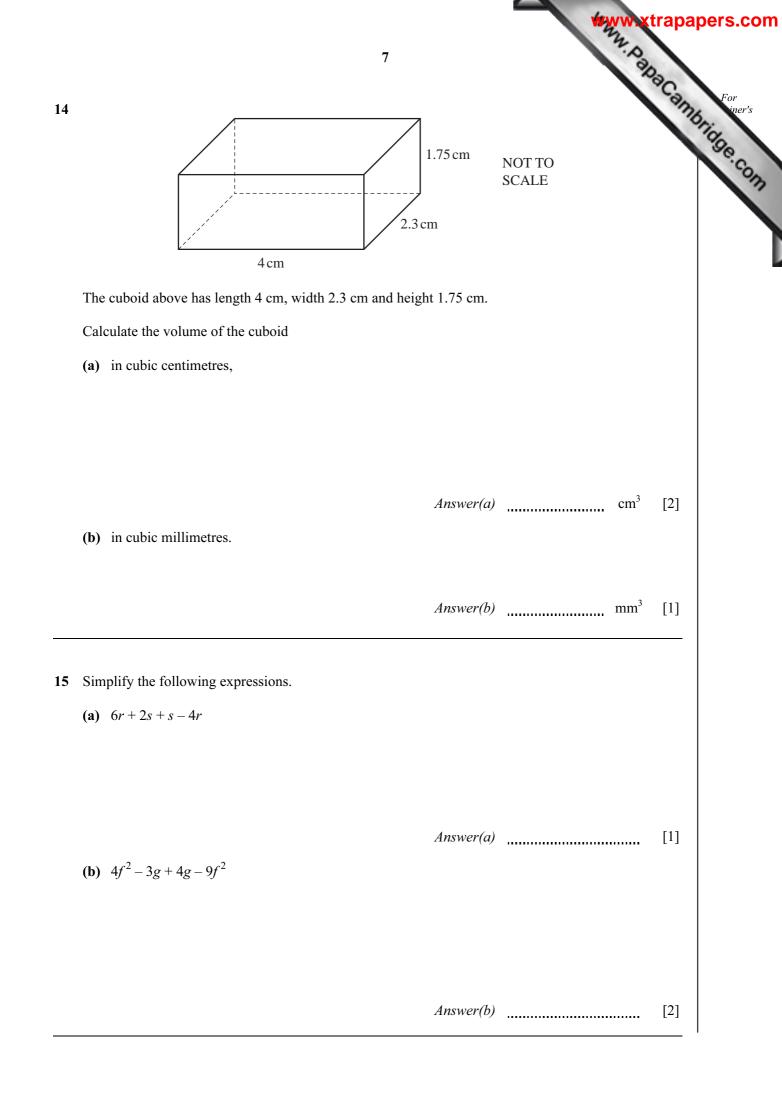


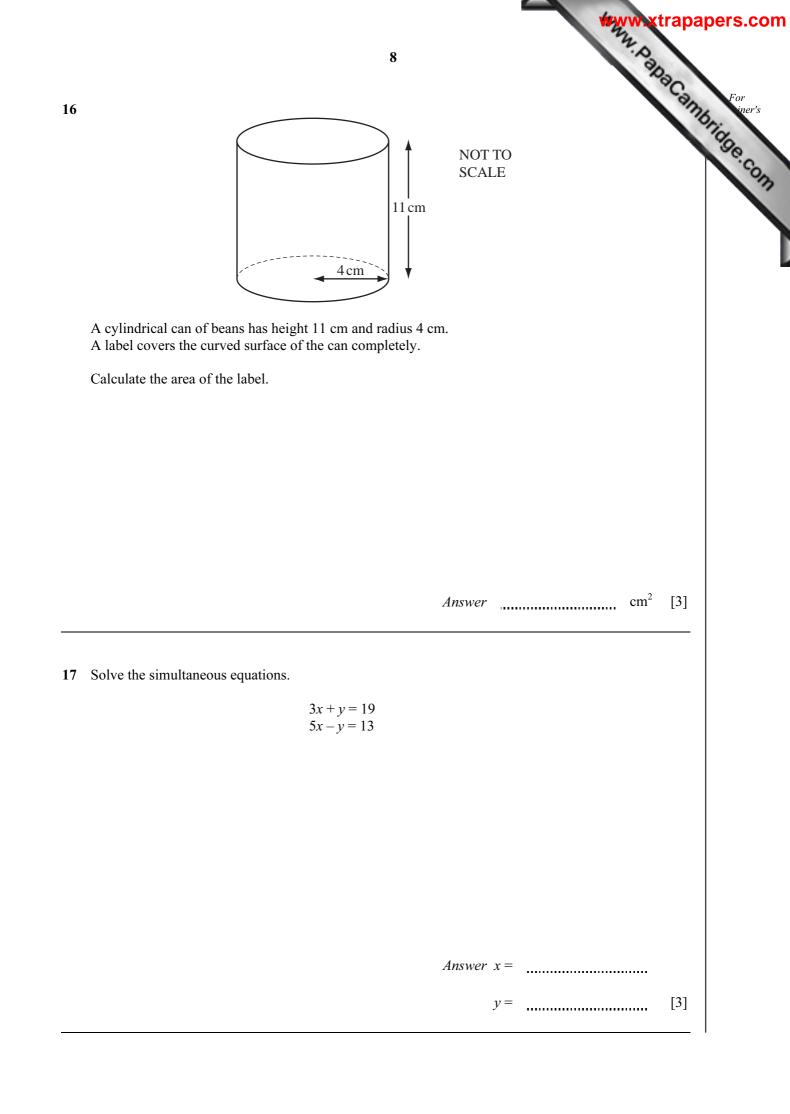


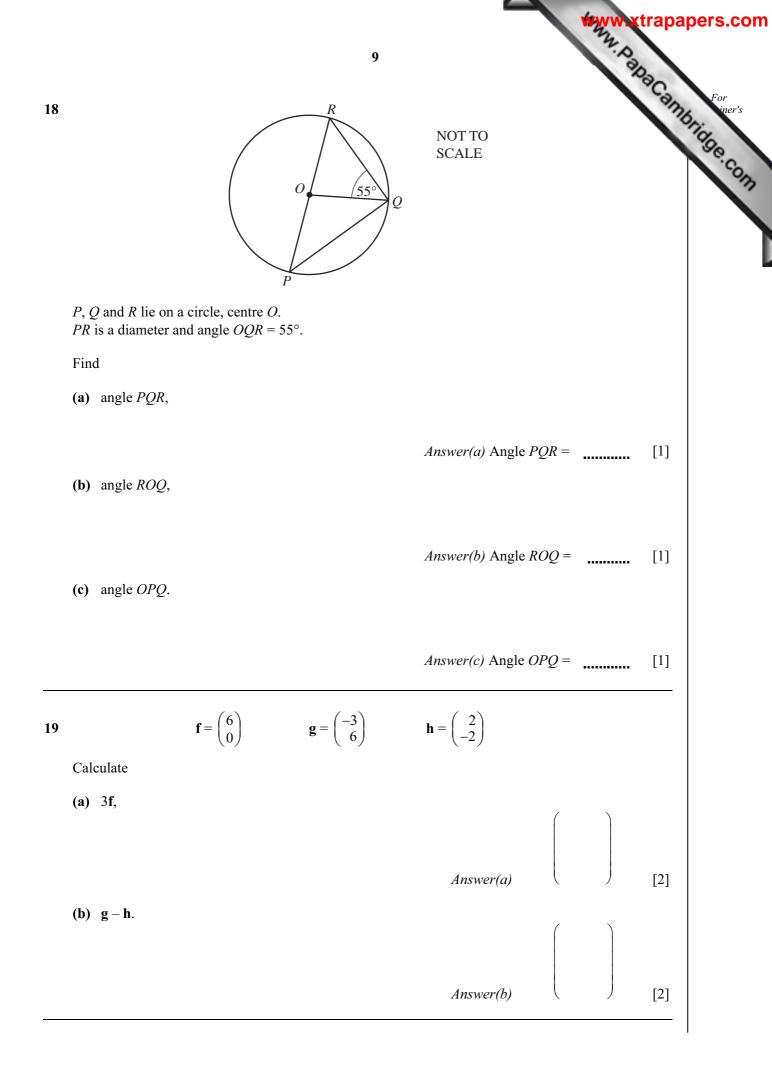
	WWW Xt	rapaper
4	4. Day	
Mrs Duval makes one litre of ice cream. She eats $\frac{1}{8}$ litre and her children eat $\frac{3}{5}$ litre.	itre of ice cream is left.	Cambridg
Without using your calculator, find what fraction of a li Show all your working clearly.	itre of ice cream is left.	
	Answer	[2]
(a) Use your calculator to work out $27.4 \times (3.28 + 1.6)$ Write down all the figures from your calculator dis		
<ul><li>(b) Write your answer to part (a) correct to 3 signification</li></ul>		[1]
		F 4 3
Answer(	<i>b)</i>	[1]
Answer(a Calculate the area of a circle of radius 3.75 cm.	<i>b)</i>	[1]
	<i>b)</i>	[I] 

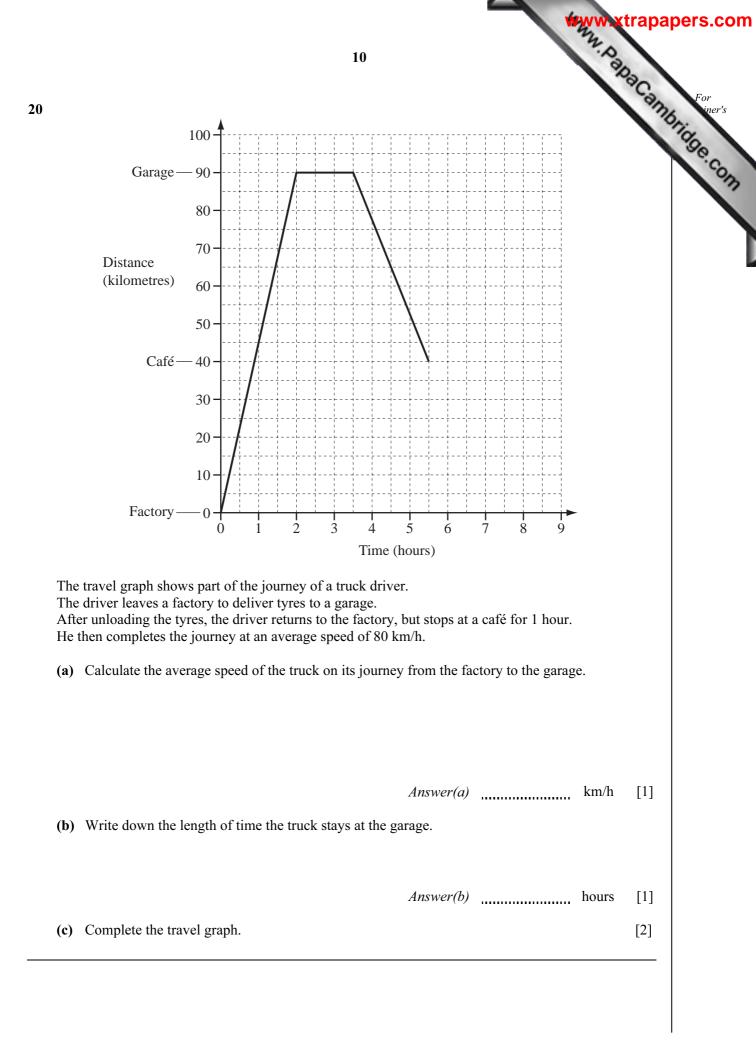
		VIEW W X	trapapers.com
	5	*.D	
10			For .
10	(a)		For iner's
	Write down the order of rotational symmetry of the	he shape above.	
		Answer(a)	[1]
	(b)		
	AMNC	ЛТХ	
	From the list, write down the letters which have o	only <b>one</b> line of symmetry.	
		Answer(b)	[2]
11	Simplify		
	$(a)  m^3 \times m^{-5},$		
		Answer(a)	[1]
	<b>(b)</b> $15k^8 \div 3k^2$ .		
		Answer(b)	[2]

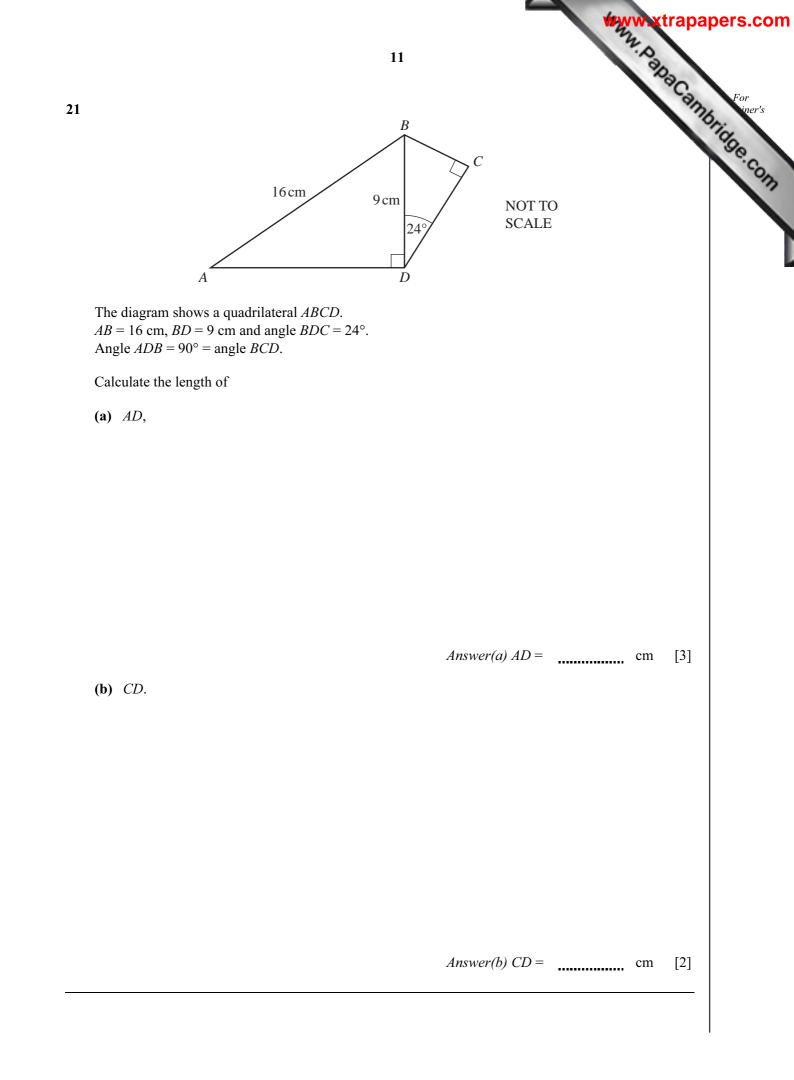
					NOT TO	Por For
		150°	150°		SCALE	Papacambridge.
The di	iagram shows part	of a regular poly	ygon with each i	nterior angle	150°.	
Calcul	late the number of	sides of the poly	ygon.			
				Answer	,	[3]
Exnan	d the following ex	pressions				
	(3-4h)					
				Answer(c	ı)	[1]
<b>(b)</b> 4	$d(6d^2 + e^2)$					
					)	[2]













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