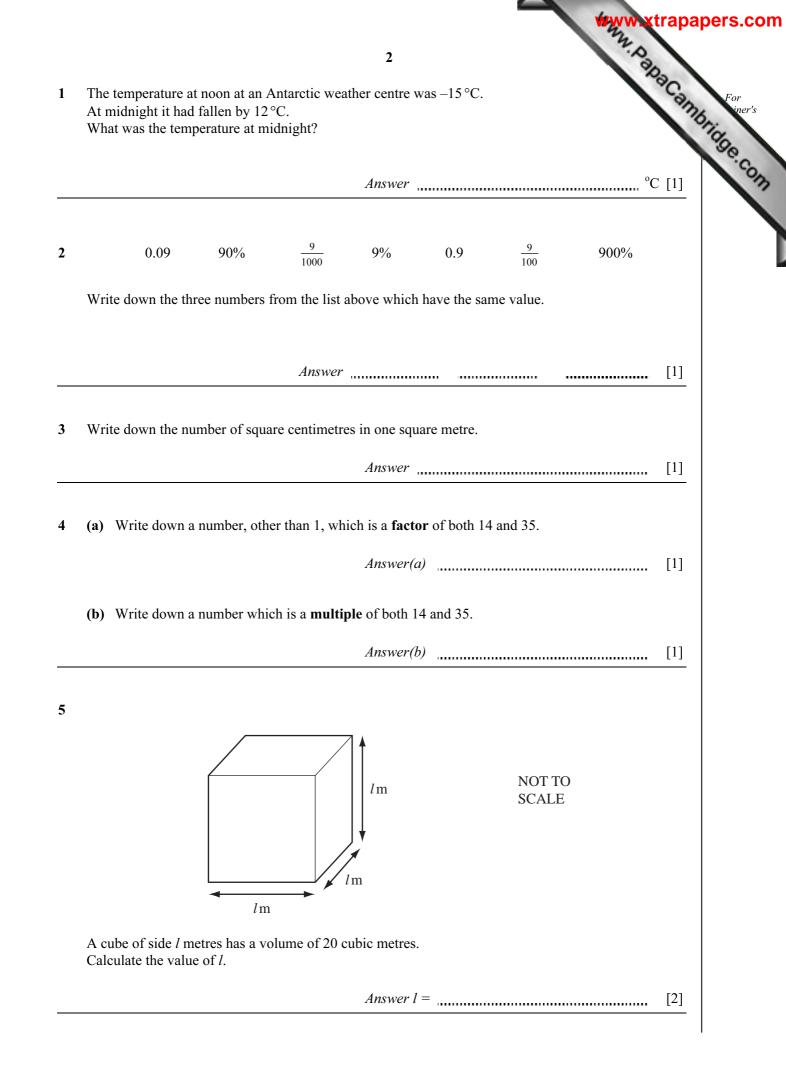
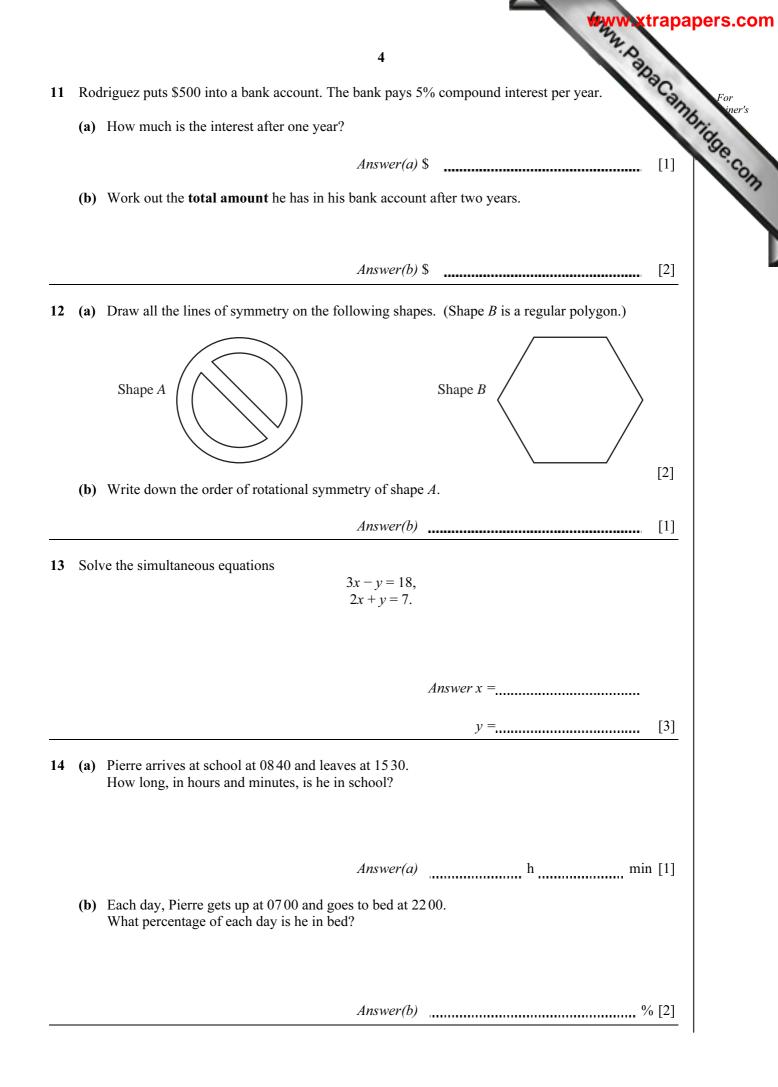
			Anana Maron
			EXAMINATIONS Education
		F CAMBRIDGE INTERNATIONAL E al General Certificate of Secondary	EXAMINATIONS Education
	MATHEMATICS		
	Paper 1 (Core)	0580/0	01 0581/01
		on the Question Paper. Electronic calculator Geometrical instruments Mathematical tables (optional) Tracing paper (optional)	May/June 2006 <b>1hour</b>
Candidate Name			
Centre Number		Candidate Number	
Write your C Write in dark You may use Do not use s DO <b>NOT</b> WF	blue or black pen. a pencil for any diagra taples, paper clips, hig RITE IN THE BARCOD	te number and name on all the work you ha ams or graphs. hlighters, glue or correction fluid.	and in.
-	needed for any questic	on it must be shown below that question. ackets[] at the end of each question or pa	rt question.
Electronic ca If the degree not exact, giv		•	For Examiner's Use

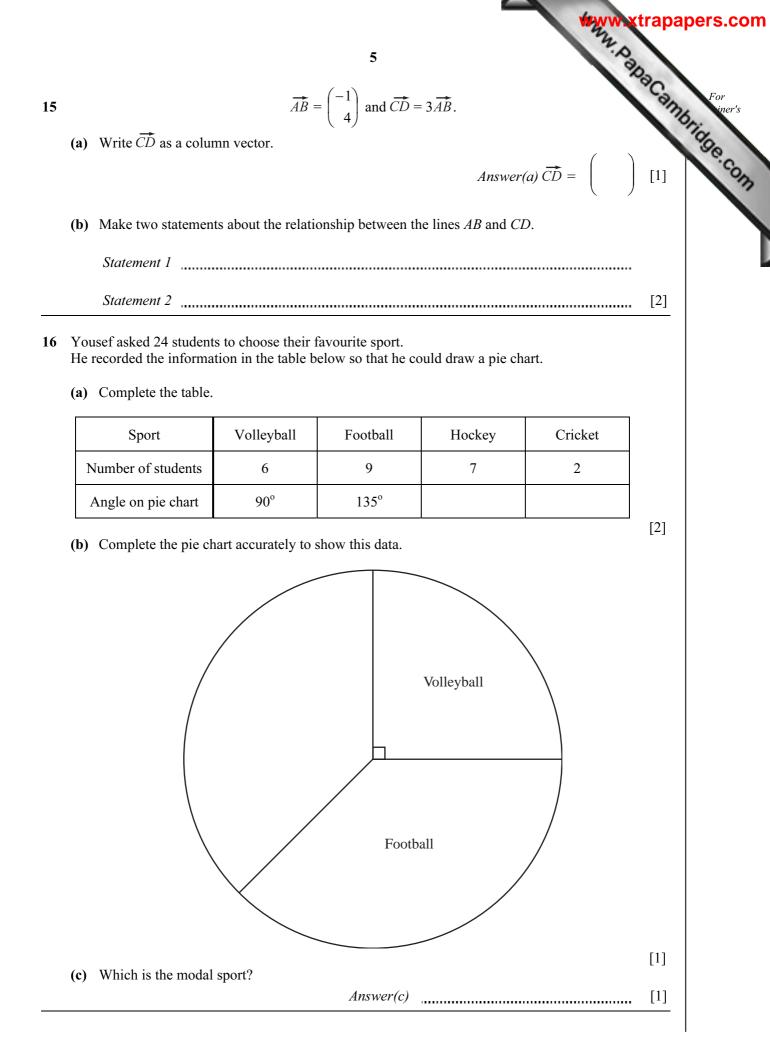
For  $\pi$  , use either your calculator value or 3.142.

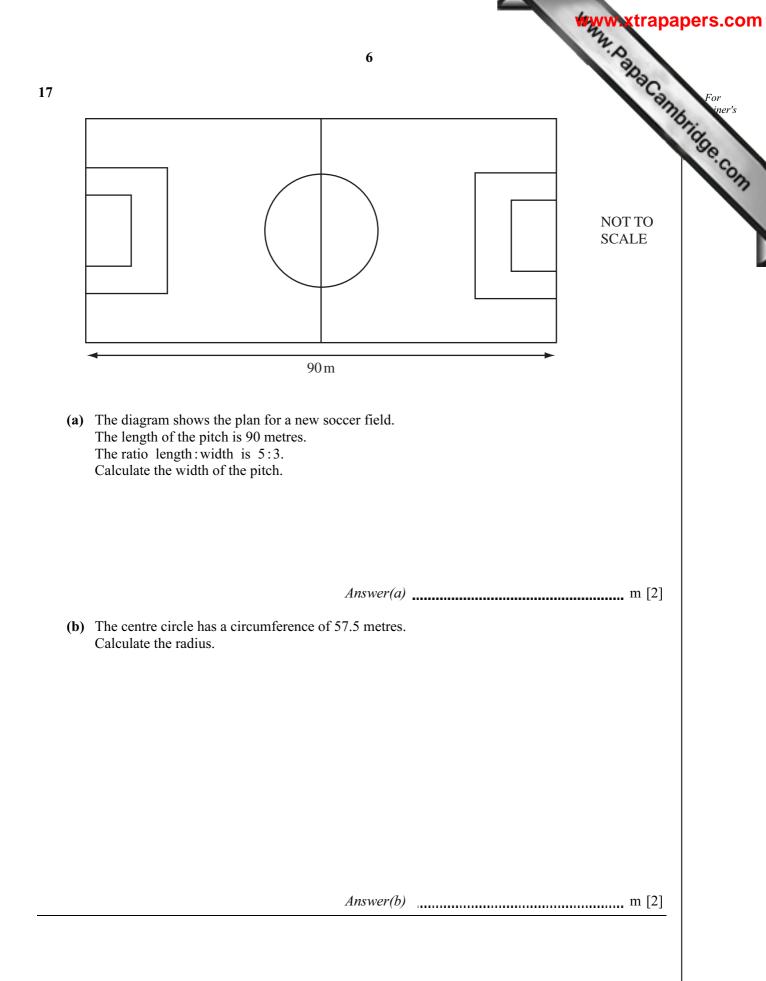
This document consists of **8** printed pages.

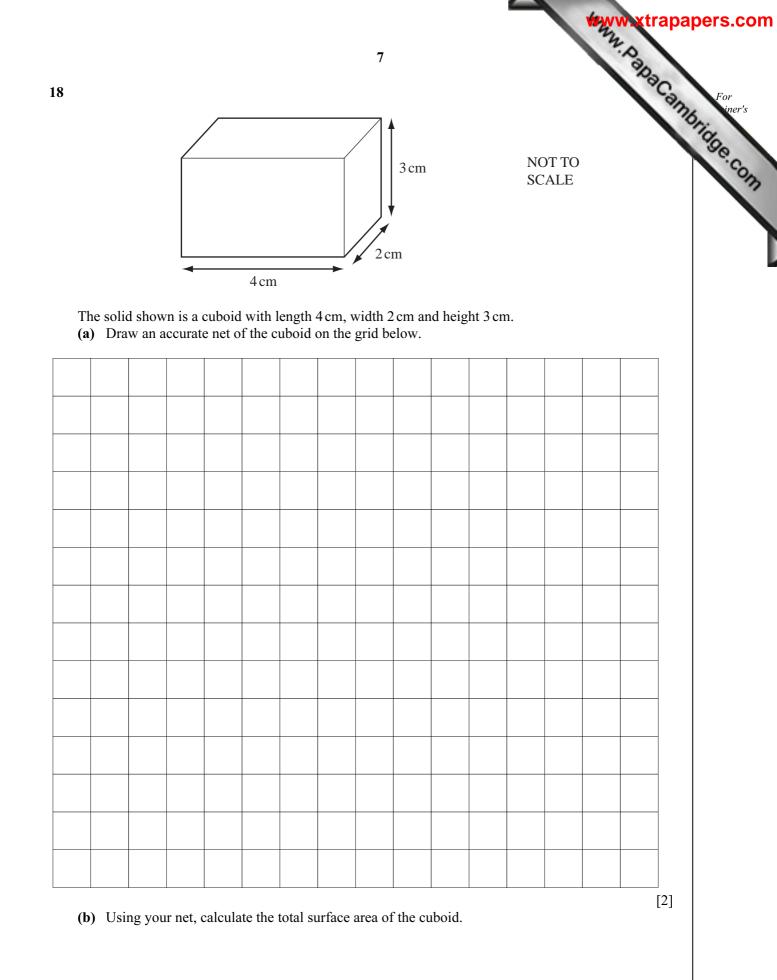


3         (a) Work out $\frac{12.48 \times 0.063}{\sqrt{8} + 7.52}$ .         Write down all the figures on your calculator display. <i>Answer(a)</i> (b) Write your answer to part (a) correct to 2 significant figures. <i>Answer(b)</i> The population of a city is 350000 correct to the nearest ten thousand.         Complete the statement about the limits of the population. <i>Answer(b)</i> Factorise completely $2x^2 - 6xy$ . <i>Answer</i> (a) A bowl of fruit contains 3 apples, 4 bananas, 2 pears and 1 orange. <i>Aminata chooses one piece of fruit at random.</i> What is the probability that she chooses         (i) a banana,	[1]
Answer(a)         (b) Write your answer to part (a) correct to 2 significant figures.         Answer(b)         The population of a city is 350 000 correct to the nearest ten thousand.         Complete the statement about the limits of the population.         Answer         Factorise completely $2x^2 - 6xy$ .         (a) A bowl of fruit contains 3 apples, 4 bananas, 2 pears and 1 orange.         Aminata chooses one piece of fruit at random.         What is the probability that she chooses         (i) a banana,	[1]
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<ul> <li>Factorise completely 2x<sup>2</sup> - 6xy.</li> <li>(a) A bowl of fruit contains 3 apples, 4 bananas, 2 pears and 1 orange. Aminata chooses one piece of fruit at random. What is the probability that she chooses</li> <li>(i) a banana,</li> </ul>	[2]
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	[2]
	[1]
(ii) a mango? Answer(a)(ii)	[1]
(b) The probability that it will rain in Switzerland on 1 <sup>st</sup> September is $\frac{5}{12}$ . State the probability that it will <b>not</b> rain in Switzerland on 1 <sup>st</sup> September.	
Answer(b)	[1]
Simplify	
(a) $p^2 \times p^3$ , Answer(a)	
(a) $p^2 \times p^3$ , Answer(a) (b) $q^3 \div q^{-4}$ , Answer(b)	[1]
	[1] [1]









	May Waxt	rapa
	8	1
	eph, Maria and Rebecca each win a prize. eir total prize money is \$30.	Can
Jos	eph wins $\frac{7}{12}$ of the \$30.	
Re	8 eph, Maria and Rebecca each win a prize. eir total prize money is \$30. eph wins $\frac{7}{12}$ of the \$30. rria wins 30% of the \$30. becca wins the rest of the \$30. loulate the amount each receives.	
	Answer Joseph \$	[2]
	Maria \$	[2]
	Rebecca \$	[1]
Th	ere are 565 sheets of paper in a book.	
(a)	How many sheets of paper are there in 2000 of these books? Give your answer in standard form.	
		[2]
	Answer(a)	[2]
(b)	A pile of 565 sheets of paper is 25 millimetres high. Calculate the thickness of 1 sheet of paper. Give your answer in standard form.	
		[2]
	Answer(b) mm	[2]

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