	Candidate Number	Name 2.0
UNIVER: Inte	SITY OF CAMBRIDO ernational General C	GE INTERNATIONAL EXAMINATIONS ertificate of Secondary Education
MATHEMAT	ICS	0580/01
		0581/01
Paper 1 (Cor	e)	May/June 2004
Additional Mate	Mais: Electronic calcula Geometrical insti Mathematical tab Tracing paper (o	ruments oles (optional) ptional)
READ THESE INST Vrite your Centre nu Vrite in dark blue or You may use a pend You may use a pend You may use staples, p Answer all questions f working is needed The number of mark The total of the mark Electronic calculator f the degree of acc	RUCTIONS FIRST umber, candidate numbe black pen in the spaces cil for any diagrams or gra paper clips, highlighters, s. for any question it must s is given in brackets [] ks for this paper is 56. s should be used. curacy is not specified in	r and name on all the work you hand in. provided on the Question Paper. aphs. glue or correction fluid. be shown below that question. at the end of each question or part question.

If you have been given a label, look at the details. If any details are incorrect or missing, please fill in your correct details in the space given at the top of this page.

Stick your personal label here, if provided.

This document consists of 8 printed pages.



[Turn over

For Examiner's Use

	MAN WAX	trapa
	2	
	Work out $4^3 - 5^2$.	Can
	Answer	[1]
	The Dead Sea shore is 395 metres below sea level. Hebron is 447 metres above sea level. Find the difference in height.	
	Answer	[1]
	Write as a fraction in its lowest terms	
	(a) 75%,	
	Answer (a)	[1]
	(b) 0.07.	
	Answer (b)	[1]
	Look at the numbers $21 35 49 31 24$	
	From this list write down	
	(a) a square number,	
	Answer (a)	[1]
	(b) a prime number.	
	Answer (b)	[1]
5		
	SCALE SCALE	
	A model of a car has a scale of 1:25. The model is 18 cm long. Calculate, in metres, the actual length of the car.	
	Answer	n [2]

	332	
	3	~
	Without using a calculator, work out $2\frac{1}{4} \div \frac{1}{2}$ as a single fraction.	an
	Show an your working.	
	Answer	[2]
	Sergio's height is 142 cm, to the nearest centimetre. Complete the statement about the limits of his height.	
	Answer $cm \le height < cm$	[2]
_		
	Factorise completely $4xy - 6xz$.	
	Answer	[2]
	Answer $\$ Alix changed a traveller's cheque for 200 euros (€) into dollars (\$) when she visited the USA. The exchange rate was 1 dollar = 1.05 euros. How many dollars did she receive?	[2]
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17 In a school, the number of students taking part in various sports is shown in the table below.

Sport	Number of students
Basketball	40
Soccer	55
Tennis	35
Volleyball	70

Draw a bar chart below to show this data. Show your scale on the vertical axis and label the bars.

Answer



Sport



