As part of CIE's continual commitment to maintaining best practice in assessment, CIE has begun to use different variants of some question papers for our most popular assessments with extremely large and widespread candidature, The question papers are closely related and the relationships between them have been thoroughly established using our assessment expertise. All versions of the paper give assessment of equal standard.

The content assessed by the examination papers and the type of questions are unchanged.

This change means that for this component there are now two variant Question Papers, Mark Schemes and Principal Examiner's Reports where previously there was only one. For any individual country, it is intended that only one variant is used. This document contains both variants which will give all Centres access to even more past examination material than is usually the case.

The diagram shows the relationship between the Question Papers, Mark Schemes and Principal Examiner's Reports.

Question Paper	Mark Scheme	Principal Examiner's Report
Introduction	Introduction	Introduction
First variant Question Paper	First variant Mark Scheme	First variant Principal Examiner's Report
Second variant Question Paper	Second variant Mark Scheme	Second variant Principal Examiner's Report

Who can I contact for further information on these changes?

Please direct any questions about this to CIE's Customer Services team at: international@cie.org.uk



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

	CANDIDATE NAME		
	CENTRE NUMBER		CANDIDATE NUMBER
* 7 6 7 5 0 9 5 7	MATHEMATICS		0580/01, 0581/01
	Paper 1 (Core)		October/November 2007
			1 hour
	Candidates answe	er on the Question Paper.	
* 4 9 *	Additional Materia	ls: 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 π , 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.

For Examiner's Use

Ρ

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This document consists of 10 printed pages and 2 blank pages.

First variant Question Paper

2

1	On a winter's day in Vienna the maximum temperature was –2°C. The minimum temperature was 11°C lower than this. Write down the minimum temperature.			
	Answer °C [1]			
2	Chris and Roberto share \$35 in the ratio 5:2. Calculate how much Roberto receives.			
	Annuar \$			
3	Solve the equation $1 - 2x = x + 4$.			
	4			
4	Answer x = [2] In 2005, a toy cost 52.50 reals in Brazil. In Argentina, 1 peso = 0.875 reals. Work out the cost of the toy in pesos.			

Answer

pesos [2]







$$1\frac{2}{9} - \frac{5}{6} = \frac{7}{18}.$$

Answer(b)





Answer km [3]





16	(a)	(i) Write 17 598 correct to 2 significant figures.	For Examiner Use
		(ii) Write your answer to part (a)(i) in standard form.	[1]
	(b)	Answer(a)(ii)	[1]
17	(a)	Answer(b)	[2]
		Calculate how much interest Alex receives.	
		Answer(a) \$	[2]
	(b)	Bobbie invests \$200 for 2 years at 4% per year compound interest. Calculate how much interest Bobbie receives. Give your answer to 2 decimal places.	
		Answer(b) \$	[2]
			—



Question 19 is printed on the next page.



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	CANDIDATE NAME		
	CENTRE NUMBER		CANDIDATE NUMBER
* 5 5	MATHEMATICS		0580/01, 0581/01
2 8	Paper 1 (Core)		October/November 2007
2			1 hour
3	Candidates answer on the Question Paper.		
567*	Additional Materia	als: Electronic Calculator Geometrical Instruments	Mathematical tables (optional) Tracing paper (optional)

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Q

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8 **(a)** Examiner's Draw all the lines of symmetry on the shape above. [1] (b) A quadrilateral has rotational symmetry of order 2 and no lines of symmetry. Write down the geometrical name of this shape. Answer(b) [1] $\frac{5}{8} = \frac{\dots}{24}$ 9 (a) Write in the missing number. [1] (b) Without using your calculator and writing down all your working, show that $1\frac{5}{12} - \frac{5}{8} = \frac{19}{24}.$ Answer(b)

For

Use



Answer km [3]





16	(a)	(i) Write 15 583 correct to 2 significant figures.	For Examiner's Use
		Answer(a)(i) [1]	
		(ii) Write your answer to part (a)(i) in standard form.	
		<i>Answer(a)</i> (ii) [1]	
	(b)	Write 3.718×10^{-3} as a decimal, correct to 4 decimal places.	
		Answer(b) [2]	
17	(a)	Abdul invests \$400 for 2 years at 6.05% per year simple interest. Calculate how much interest Abdul receives.	
		<i>Answer(a)</i> \$ [2]	
	(b)	Samia invests \$400 for 2 years at 6% per year compound interest. Calculate how much interest Samia receives. Give your answer to 2 decimal places.	
		<i>Answer(b)</i> \$ [2]	



Question 19 is printed on the next page



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