Centre No.				Surname	Initial(s)
Candida	ite No.			Signature	

Paper Reference(s)	Exami	iner's us	e only
4400/2F			
London Examinations IGCSE	Team L	eader's u	ise only
Mathematica			
Iviathematics			
Paper 2F		Page Number	Leave Blank
Foundation Tier		3	
Friday 18 May 2007 – Afternoon		5	
Time: 2 hours		6	
		7	
Materials required for examinationItems included with question papersRuler graduated in centimetres andNil		8	
millimetres, protractor, compasses, pen, HB pencil, eraser, calculator.		9	
Tracing paper may be used.		10	
		11	
Instructions to Candidates		12	
In the boxes above, write your centre number, candidate number, your surname, initial(s) and signature		13	
Check that you have the correct question paper.		14	
You must NOT write on the formulae page. Anything you write on the formulae page will gain	n	15	
NO credit. If you need more space to complete your answer to any question, use additional answer sheets.		16	
Information for Condidator		17	
The marks for individual questions and the parts of questions are shown in round brackets: e.g. (2)	<u> </u>	18	
There are 21 questions in this question paper. The total mark for this paper is 100. There are 20 pages in this question paper. Any blank pages are indicated.		19	
You may use a calculator.		20	
Advice to Candidates			
Write your answers neatly and in good English.			
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			Answer ALL	ΓΨΕΝΤΥ ΟΙ	NE questions		blai
			Write your answ	wers in the sr	aces provided.		
		You	must write dow	n all the stag	es in your wor	king.	
1. (a	a) Hei	re is a list of	numbers.				
× ×	,	999	1999	199	9000	1009	
	(i)	Write these Start with t	e numbers in ord the smallest.	er of size.			
	(ii)	From the li	st, write down a	n even numbe	er.		
	(iii)) From the li	st write down a	number that i	s a multiple of 9	9	
							(3)
(ł	o) Her Eac	re are four c ch card has a	ards. 1 number on it.				
			3	4 1	2		
	The The	e four cards e cards can t	are arranged to r be re-arranged to	make the num make other n	ber 3412 numbers.		
	(i)	Write down	n the largest num	ber that can l	be made.		
	(ii)	Write down	n the smallest od	ld number tha	t can be made.		
							(3) Q1





	189 × - 2060		
		(1)	
(b) V	Write down the value of the 3 in the number 3969		
		(1)	
(c) V	Write the number 3969 correct to the nearest 10		
		(1)	
(d) V	Vrite the number 3969 correct to the nearest 100		
		(1)	
(e) F	ind the square root of 3969		
		(1)	
(f) F	ind the cube root of 3969		
(i) Write down all the figures on your calculator display.		
(i	i) Give your answer correct to 3 significant figures.		
		(2)	Q4
	(Total 7 marks)	

Turn over

 (a) Angus hired a bike for 5 days. Calculate the cost.
f
2
(b) Jeevan hired a bike. The cost was £30 Calculate the number of days for which Jeevan hired the bike.
(Total 4 mark

		Leave blank
b. Here is a list of fractions. $7 \qquad 2 \qquad 0 \qquad 12$		
$\frac{7}{20}$ $\frac{3}{10}$ $\frac{9}{25}$ $\frac{12}{36}$		
From the list, write down the fraction which is		
(a) equivalent to $\frac{1}{2}$		
5		
	(1)	
(b) equal to 0.3		
	(1)	
(c) the largest.		
	(3)	Q6
	(Total 5 marks)	
		7

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_		bl
7.	Chocolate bars cost £1.10 each. Cakes cost £1.25 each	
	Joshi buys 2 chocolate bars and 3 cakes.	
	He pays with a £10 note.	
	Work out how much change he should receive	
	f	07
	£	
	(Total 3 marks)	

	5		3	14	12	4	3	6	9		
(a	ı) Fir	nd the r	mode.								
(t) Wa	ork out	the mea	an.						(1)	
										(3)	
(c	e) Fir	nd the r	median.								
										(2)	
(c	l) Th La	e team ter, Th	that sco e Cheeta	ored 4 poin ths had po	nts was The bints taken a	Cheetahs. way becau	se of foul	play.			
	(i)	Will	the med	ian increa	se or decrea	ase or stay	the same?				
	(ii)	Give	your rea	ason.							
(e	e) At Fir	team is	chosen probabil	at random ity that thi	n from these is team scor	e 8 teams. red more th	an 10 poir	nts.		(2)	
										(2)	

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kg
(Total 3 marks)
<i>x</i> =
(Total 3 marks)

		Leave
16. Julian has to work out $\frac{6.8 \times 47.6}{2.09}$ without using a calculator.		
(a) Round each number in Julian's calculation to one significant figure.		
	(2)	
(b) Use your rounded numbers to work out an estimate for $\frac{6.8 \times 47.6}{2.09}$		
Give your answer correct to one significant figure.		
(c) Without using your calculator, explain why your answer to part (b) should b	be larger	
than the exact answer.		
		1
	(2)	Q16
(Total 6	(2) marks)	Q16





The colour of each marbl	bles. e is red or blue	or green or yello	DW.	Leave
A marble is taken at rando The table shows the proba	om from the bag ability that the r	g. narble is red or	blue or green.	
	Colour	Probability		
	Red	0.1		
	Blue	0.2		
	Green	0.1		
	Yellow			
(a) Work out the probabi	lity that the man	rble is yellow.		
The probability that the n	arble is made o	of glass is 0.8	(2)	
The probability that the n (c) Beryl says "The p 0.1 + 0.8 = 0.9"	narble is made or robability that	of glass is 0.8 the marble is	(2) green or made of glass is	5
The probability that the n (c) Beryl says "The p 0.1 + 0.8 = 0.9" Is Beryl correct?	narble is made or robability that	of glass is 0.8 the marble is	(2) green or made of glass is) 5
The probability that the n (c) Beryl says "The p 0.1 + 0.8 = 0.9" Is Beryl correct? Give a reason for you	narble is made or robability that ur answer.	of glass is 0.8 the marble is	(2) green or made of glass is	5
The probability that the n (c) Beryl says "The p 0.1 + 0.8 = 0.9" Is Beryl correct? Give a reason for you	narble is made c robability that 1r answer.	of glass is 0.8 the marble is	(2) green or made of glass is	5
The probability that the n (c) Beryl says "The p 0.1 + 0.8 = 0.9" Is Beryl correct? Give a reason for you	narble is made c robability that 1r answer.	of glass is 0.8 the marble is	(2) s green or made of glass is) 5 Q20
The probability that the n (c) Beryl says "The p 0.1 + 0.8 = 0.9" Is Beryl correct? Give a reason for you	narble is made c robability that 1r answer.	of glass is 0.8 the marble is	(2) green or made of glass is (2) (2) (Total 6 marks)) 5) Q20
The probability that the n (c) Beryl says "The p 0.1 + 0.8 = 0.9" Is Beryl correct? Give a reason for you 	narble is made c robability that 1r answer. SE TURN OVE	of glass is 0.8 the marble is	(2) 3 green or made of glass is) 5) Q20

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