

TIME

1 hour.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Write your answers in the spaces provided in the question paper.

Complete in blue or black ink only. **Do not write in pencil or with a gel pen.** Answer **all thirteen** questions.

Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.

You **must not** use a calculator for this paper.

INFORMATION FOR CANDIDATES

The total mark for this paper is 50. Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question. Functional Elements will be assessed in this paper. You should have a ruler, compasses and protractor. The Formula Sheet is on page 2. 7413



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11004	contains 20	J pens – 3 blue	, 8 DIACK, / re	d and 2 green		Examiner Only Marks Remai
A pen	is taken at	random from t	he box.			
imp	ossible	unlikely	evens	likely	certain	
From the ch	the list of wance of	vords given, wr	ite the most a	ppropriate wo	ord to describe	
(a) ta	king a gree	n pen,	-		[1]	
(b) ta	king a pen	which is not bl	ue, _		[1]	
(c) ta	king a pen	which is black	or green		[1]	
						Total Question
13						

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3	(a)	There were 43 people on a bus.	Examiner Only Marks Remark				
		14 people got off the bus and 11 people got on the bus.					
		How many people were then on the bus?					
		Answer people [2]					
	(b)	Christine needs 100 tiles for a room.					
		Tiles are sold in boxes of 8.					
		Work out the least number of boxes of tiles that Christine needs to buy.					
		Answer boxes [2]					
	(c)	Estimate $96 + 0.3 + 1.7 + 301.4$					
		Answer [1]					
	(d)	Estimate 186×4.3					
		Show your working.					
		Angwor [2]					
			Total Quantian 3				
			[Turn over				
7413							

4	From the p statement.	orobabilities	listed, choose	e the most suit	able to com	plete each		Examir Marks	ner Only Remark
	0	0.2	0.5	0.6	0.8	1			
	(a) My bus is nearly always late.								
	The pr	obability the	at my bus is la	ate is			[1]		
	(b) It is in	possible for	me to attend	the meeting.					
	The pr	obability that	at I will attend	d the meeting	is		[1]		
	(c) I will 1	most likely r	not attend the	concert.					
	The pr	obability that	at I will attend	d the concert i	S		[1]		
	(d) I have	always beer	n on time for	work.					
	The pr	obability that	at I was on tir	ne for work is			[1]		
								Total Q	uestion 4
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8 ((a) (i)	Enlarg	ge the	sha
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				/
	(ii)	How 1 area o	nany f the o	tir ori
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(a)	(i)	Enlar	ge the	e shap	be by s	scale	factor	r 2.							Examin Marks	er Only Remark	
						\rightarrow											
						+											
						/											
													[2]			
	(ii)	How area	many of the	time origin	s bigg nal sh	ger is ape?	the ar	ea of	the er	nlarge	ed sha	pe tha	an the				
							Answ	ver					[2]			
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9	A letter is taken at random from	n the word		Examiner Only Marks Remark
	GEOG	RAPHICAL		
	Write down the probability that	t the letter is:		
	(a) the letter G,			
		Answer	[1]	
	(b) a vowel,			
		Answer	[1]	
	(c) not in the word GRAPH.			
		Answer	[2]	
				Total Question 9
7413				[Turn over

10 (a) Share 72 sweets in the ratio 8:1		Examino Marks	er Only Remark
Answer,	_ [2]		
(b) Given that $689 \times 537 = 369993$, write down the value of $\frac{369993}{53700}$			
Answer	_ [1]		
		Total Que	estion 1
7413			

11 Write down all the value $-9 \le 3n < 3$	s of n , where n is an integer, such that	Examiner Only Marks Remark
	Answer	[2]
		Total Question 11
/413		[Turn over
-		

2 Work out the reciprocal of 1.5			Examiner Only Marks Remark
	Answer	[2]	
			Total Question 1
13			_



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13	A bag contains 4 toffee sweets, 6 nut sweets and some fruit sweets.	Examiner Only Marks Remark
	(a) The probability of me taking a fruit sweet from the bag is $\frac{1}{2}$	
	How many fruit sweets are in the bag?	
	Answer [1]	
	(b) I eat 2 toffee sweets. What is the probability that the next sweet I take is toffee?	
	Answer [2]	
	THIS IS THE END OF THE QUESTION PAPER	
		Total Question 13
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For Exa	miner's only
Question Number	Marks
1	
2	
3	
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12	
13	
QWC	
Total Marks	

Examiner Number

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