

#### TIME

1 hour 30 minutes.

#### 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 this question paper.

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

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

You **may** use a calculator for this paper.

#### INFORMATION FOR CANDIDATES

The total mark for this paper is 100.

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.

Quality of written communication will be assessed in questions 11, 21 and 22.

You should have a calculator, ruler, compasses and a protractor.

The Formula Sheet is overleaf.





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(a)	Write down	n the largest	t numbe	er whic	h can be	made with th	e digits	Examiner Only Marks Remai
			4	9	6	1		
					An	swer	[1]	
(b)	Write							
	(i) 5389 to	o the neares	st hundr	ed,				
					An	swer	[1]	
	(ii) 36% as	s a decimal,	,					
					An	swer	[1]	
	(iii) 28.49 t	to the neare	st whole	e numb	oer,			
					An	swer	[1]	
	(iv) 0.47 as	a fraction.						
					An	swer	[1]	
(c)	Which of th	ne followin	g are m	ultiples	s of 16?	Circle your a	nswers.	
	8	62	3		32	4	16	
							[2]	
(d)	Jill's age is age is Jill?	the smalles	st numb	er whic	ch has 2	, 3 and 5 as fa	ctors. What	
					A	awar	F13	Total Question
					An	swer	[1]	[Turn ov
	(a) (b) (c)	<ul> <li>(a) Write down</li> <li>(b) Write <ul> <li>(i) 5389 to</li> <li>(ii) 36% as</li> </ul> </li> <li>(iii) 28.49 to</li> <li>(iv) 0.47 as</li> </ul> <li>(c) Which of the 8</li> <li>(d) Jill's age is age is Jill?</li>	<ul> <li>(a) Write down the larges</li> <li>(b) Write <ul> <li>(i) 5389 to the neares</li> <li>(ii) 36% as a decimal,</li> </ul> </li> <li>(iii) 28.49 to the neares</li> <li>(iv) 0.47 as a fraction.</li> </ul> <li>(c) Which of the followint 8 62</li> <li>(d) Jill's age is the smalles age is Jill?</li>	<ul> <li>(a) Write down the largest number 4</li> <li>(b) Write <ul> <li>(i) 5389 to the nearest hundred</li> <li>(ii) 36% as a decimal,</li> <li>(iii) 28.49 to the nearest whole</li> <li>(iv) 0.47 as a fraction.</li> </ul> </li> <li>(c) Which of the following are magnet as a fraction.</li> <li>(d) Jill's age is the smallest number age is Jill?</li> </ul>	<ul> <li>(a) Write down the largest number which 4 9</li> <li>(b) Write <ul> <li>(i) 5389 to the nearest hundred,</li> </ul> </li> <li>(ii) 36% as a decimal,</li> <li>(iii) 28.49 to the nearest whole number which of the following are multiples 8 62 3</li> <li>(c) Which of the following are multiples 8 62 3</li> <li>(d) Jill's age is the smallest number which age is Jill?</li> </ul>	<ul> <li>(a) Write down the largest number which can be 4 9 6</li> <li>(b) Write</li> <li>(i) 5389 to the nearest hundred,</li> <li>(ii) 36% as a decimal,</li> <li>(iii) 28.49 to the nearest whole number,</li> <li>(iv) 0.47 as a fraction.</li> <li>(iv) 0.47 as a fraction.</li> <li>(a) Which of the following are multiples of 16?</li> <li>8 62 3 32</li> <li>(d) Jill's age is the smallest number which has 2, age is Jill?</li> </ul>	<ul> <li>(a) Write down the largest number which can be made with the 4 9 6 1</li></ul>	<ul> <li>(a) Write down the largest number which can be made with the digits <ul> <li>4</li> <li>9</li> <li>6</li> <li>1</li> <li>Answer [1]</li> </ul> </li> <li>(b) Write <ul> <li>(i) 5389 to the nearest hundred,</li> <li>Answer [1]</li> <li>(ii) 36% as a decimal,</li> <li>Answer [1]</li> <li>(iii) 28.49 to the nearest whole number,</li> <li>Answer [1]</li> <li>(iv) 0.47 as a fraction.</li> <li>Answer [1]</li> </ul> </li> <li>(iv) 0.47 as a fraction.</li> <li>Answer [1]</li> <li>(c) Which of the following are multiples of 16? Circle your answers.</li> <li>8</li> <li>62</li> <li>3</li> <li>32</li> <li>4</li> <li>16</li> <li>[2]</li> <li>(d) Jill's age is the smallest number which has 2, 3 and 5 as factors. What age is Jill?</li> </ul>



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# Forty basketball players wrote down how many points they had scored all season.

8	10	42	54	86	95	61	16	10	22
28	52	73	41	22	82	64	62	32	77
28	70	52	48	54	18	22	66	56	51
44	38	39	19	71	81	70	82	70	90

Complete the frequency table below.

Number of points	Tally (if required)	Frequency
0–20		
21–40		
41–60		
61–80		
81–100		

[2]

Examiner Only

Marks Remark

Total Question 4



	How many golf balls, costing £2.99 each	ch, can Michael buy f	for £20?	Examiner Only Marks Remar	k
		Answer	[2]		
(b)	His friend John buys 4 of these golf baget from £20?	lls. How much change	e does he		
		Answer £	[2]		
				Total Question	5

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	he	scores f	or a c	lass o	of 12 p	oupil	s in a	ı mus	ic tes	t wer	e reco	orded			Marks	Remark
		17	37	28	17	17	24	17	26	17	37	35	34			
(a	a)	Calculat	e the	mean	score	е.										
									Aı	nswei	r			_ [3]		
(b	<b>)</b> )	Find the	med	ian sc	ore.											
									Aı	nswei	r			_ [2]		
(c	:)	Which c unsuitab	of the le to	three use as	avera s the c	iges class	"mea aver	in, mo age?	ode oi Expla	r mec iin yc	lian" our ar	woul Iswei	d be			
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2 (a)	Pete thinks of two of the numbers is 1	numbers. The <b>sum</b> of 15. What are Pete's two	the numbers is 8. The o numbers?	e product	Examiner On arks Rem
		Ans	wer and	[2]	
(b)	The table shows te world.	mperatures at 8 am and	d 8 pm in different pa	rts of the	
		Temperature at 8 am in °C	Temperature at 8 pm in °C		
	Dubai	18	14		
	London	8	-2		
	Alaska	-6	-13		
	Sydney	26	20		
	(i) What is the difference (i) recorded?	fference between the h	ighest and lowest ten	peratures	
			Answer	°C [2]	
	(ii) How much col	lder is it in Alaska at 8	am than in London a	t 8 pm?	
			Answer	°C [2]	
				Tot	al Question





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	Ages of 24 people taking a car driving test	Examiner Only Marks Remark
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
(a)	One age has been recorded inaccurately. Put an <b>X</b> through the inaccurate age and give a reason for your answer.	
	Reason [1]	
(b)	The test centre manager says, "The range of ages of those who sat the test was 28". Use this information to make the stem and leaf diagram correct. [1]	
		Total Question 17

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Qu	ality of written communication will be assessed in this question.	Examiner Only Marks Remark
21	Bill bought 36 memory sticks at £4.20 each.	
	He sold 28 of them for $\pounds 4.50$ each and the other 8 for $\pounds 3$ each.	
	Did he make a profit or loss, and by how much?	
	Show your working.	
	Answer by £ [4]	
		Total Question 21
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Question Number	Marks				
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