

Instructions to Candidates

In the boxes above, write your centre number, candidate number, your surname, initials and signature. Check that you have the correct question paper. Answer ALL the questions. Write your answers in the spaces provided in this question paper. You must NOT write on the formulae page. Anything you write on the formulae page will gain NO credit. If you need more space to complete your answer to any question, use additional answer sheets.

Information for Candidates

The marks for individual questions and the parts of questions are shown in round brackets: e.g. (2). There are 31 questions in this question paper. The total mark for this paper is 100. There are 28 pages in this question paper. Any blank pages are indicated. Calculators must not be used.

Advice to Candidates

Show all stages in any calculations. Work steadily through the paper. Do not spend too long on one question. If you cannot answer a question, leave it and attempt the next one. Return at the end to those you have left out.

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N37831A

W850/R1380/57570 6/6/6/6



Turn over

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(b) Write the number ten thousand five hundred and forty e	(1) e ight in figures.	
(b) Write the number ten thousand five hundred and forty e	(1) eight in figures.	
(b) Write the number ten thousand five hundred and forty e	eight in figures.	
	(1)	
(c) Write the number 463 to the nearest ten.		
(d) Write the number 29 760 to the nearest thousand.		
		Q3
	(Total 4 marks)	

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Write down the number of (i) faces (ii) edges (iii) vertices (Total 2 merks)	Write down the number of (i) faces (ii) edges (iii) vertices	6. Here is a diagram of a prism.		Lea bla
(i) faces (ii) edges (iii) vertices	(i) faces (ii) edges (iii) vertices (Total 3 marks)	Write down the number of		
(ii) edges (iii) vertices	(ii) edges (iii) vertices	(i) faces		
(ii) edges (iii) vertices	(ii) edges (iii) vertices			
(iii) vertices	(iii) vertices	(ii) edges		
(iii) vertices	(iii) verticesQe			
(Total 3 marks)	(Total 3 marks)	(iii) vertices		06
(TOTAL 2 HIATKS)			(Total 3 marks)	







Blunsdon	07 18	07 45	08 33	
Cricklade	07 26	07 53	08 41	
Latton	07 31	07 58	08 46	
South Cerney	07 38	08 05	08 53	
Siddington	07 47	08 14	09 02	
Seven Springs	08 26	08 51	09 39	
Cheltenham	08 50	09 12	10 00	
Peter arrives at the Latto Ie waits for the next bu	on bus stop at 08 35 s to Seven Springs.	,		(1)
Peter arrives at the Latto He waits for the next bu b) (i) How many min	on bus stop at 08 35 s to Seven Springs. autes should he wait?	, ,		(1)
Peter arrives at the Latto He waits for the next bu b) (i) How many min	on bus stop at 08 35 s to Seven Springs. autes should he wait?	, ,		(1)
Peter arrives at the Latto He waits for the next bu b) (i) How many min	on bus stop at 08 35 s to Seven Springs. autes should he wait?	,		(1)
Peter arrives at the Latto He waits for the next bu b) (i) How many min (ii) At what time sh	on bus stop at 08 35 s to Seven Springs. nutes should he wait?	Seven Springs?		(1)
Peter arrives at the Latto He waits for the next bu b) (i) How many min (ii) At what time sh	on bus stop at 08 35 s to Seven Springs. autes should he wait?	Seven Springs?		(1) minutes
Peter arrives at the Latto He waits for the next bu b) (i) How many min (ii) At what time sh Marie gets the bus from	on bus stop at 08 35 s to Seven Springs. nutes should he wait? nould Peter arrive at Cricklade at 07 26	Seven Springs?		(1) minutes (2)









	3	5	7	8	9	10	12
From	the list o	f number	s, write dov	wn			
(i) a	u multiple	of 6					
(ii) a	factor of	14					
(iii) a	i square ro	oot of 25					
							(3)
Scott	says						
ʻIf yo	ou add two	o differen	it square nu	mbers, you	will always	get an even	number.'
Show	that Scot	t is wron	ıg.				
							(2)









Alfie is twice as old as Jasmine. (a) Write down an expression, in terms of <i>n</i> , for Alfie's age. (1) Nimer is 3 years older than Jasmine. (b) Write down an expression, in terms of <i>n</i> , for Nimer's age. (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	4. Jasmine is <i>n</i> years old.		Leav blan
 (a) Write down an expression, in terms of <i>n</i>, for Alfie's age. (1) Nimer is 3 years older than Jasmine. (b) Write down an expression, in terms of <i>n</i>, for Nimer's age. (1) 	Alfie is twice as old as Jasmine.		
(1) Nimer is 3 years older than Jasmine. (b) Write down an expression, in terms of <i>n</i> , for Nimer's age. (1) (1) (1) (1) (1) (1)	(a) Write down an expression, in terms of <i>n</i> , for Alfie's age.		
(1) Nimer is 3 years older than Jasmine. (b) Write down an expression, in terms of <i>n</i> , for Nimer's age. (1) (1) (1) (1) (1) (1) (1)			
(1) Nimer is 3 years older than Jasmine. (b) Write down an expression, in terms of <i>n</i> , for Nimer's age. (1) (1) (1) (1) (1)			
Nimer is 3 years older than Jasmine. (b) Write down an expression, in terms of <i>n</i> , for Nimer's age. (1) Q1 (Total 2 marks)		(1)	
 (b) Write down an expression, in terms of <i>n</i>, for Nimer's age. (1) Q1 (Total 2 marks) 	Nimer is 3 years older than Jasmine.		
	(b) Write down an expression, in terms of n , for Nimer's age.		
(1) Q1 (Total 2 marks)			
(1) Q1 (Total 2 marks)			
(Total 2 marks)			014
(IULAI Z IIIAI KN)		(Total 2 marks)	
		(Total 2 marks)	

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19.	Work out an estimate for the value of 27×52.9	Le	eave ank
		Q1	9
	(Total 2 marks)		J
20.	There are 540 workers in a factory.		
	240 of the workers are female.		
	15% of male workers are more than 50 years of age.		
	Work out the number of male workers that are more than 50 years of age.		
		Q2	
	(Total 3 marks)		J













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1		







17 2	Leav
16 Work out $1' = 2$	blan
28. Work out $\frac{1}{20}$ $\frac{1}{5}$	
	036
(Total 2 marks)	
7. Use ruler and compasses to construct the perpendicular bisector of the line <i>AB</i> .	
You must show all your construction lines.	
A B	
A B	
A B	
A B	
A B	
A B	
A B	
A B	







				-
				Leave blank
29.	(a)	Expand and simplify	3(x+5) + 2(5x-6)	
			(2)	
	(b)	Factorise $5x + 10$		
			(1)	
	(c)	Factorise $x^2 - 7x$		
				029
			(Total 4 marks)	









