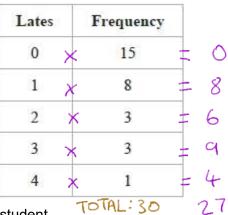
FULL MODEL ANSWERS

Q1. NON-CALCULATOR

The table below shows some information about the number of times each student in a class was late last week.



Work out the mean number of lates per student.

$$Mean = \frac{27 \div 3}{30 \div 3}$$

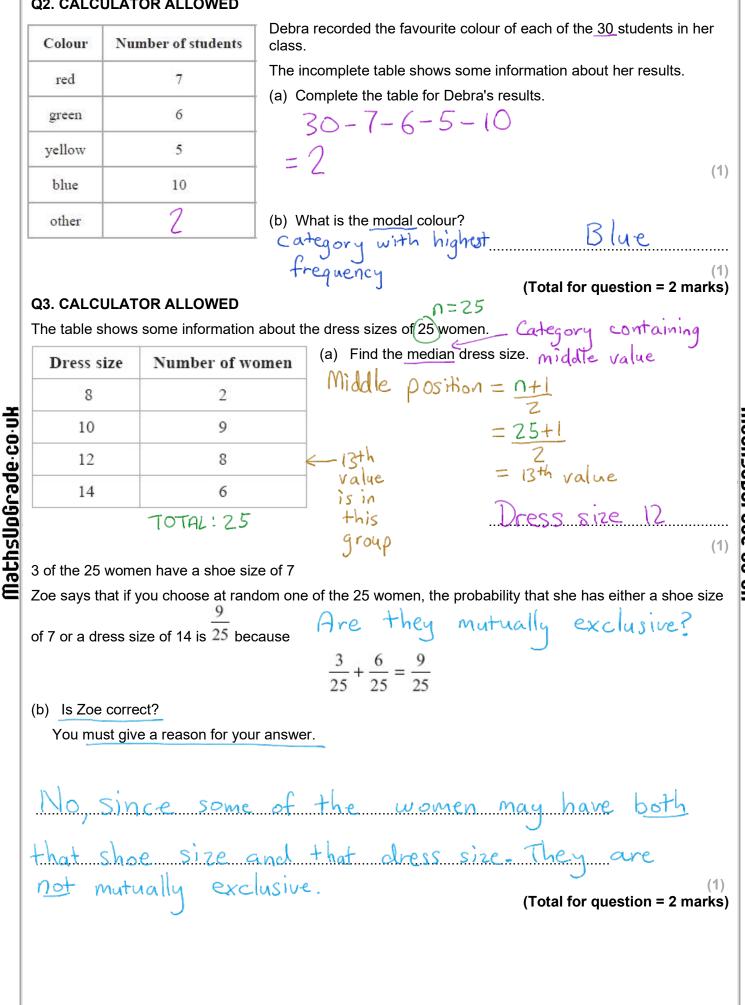
= $\frac{9}{10}$

.9

(Total for question = 3 marks)

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Q2. CALCULATOR ALLOWED



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Q4. CALCULATOR ALLOWED

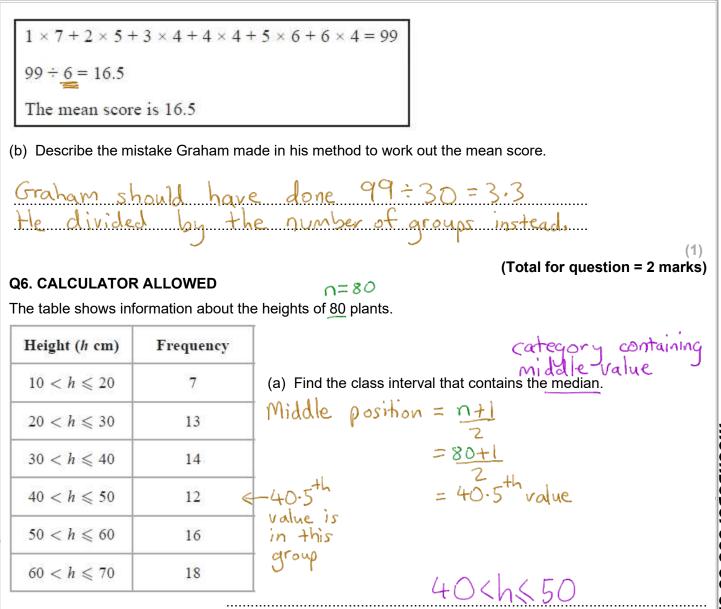
The table shows information about the numbers of points scored by 30 students in a quiz.

Number of points	Frequency	(a) Find the modal number of points.
0	× 4=0	frequency) 2 points
1	× ³ = 3	(1) (b) Work out the total number of points scored.
2	× ⑦=14	
3	× 5 = 15	
4	× 6 = 24	
5	x 5=25	1+ 81
	TOTAL: 81	(2)
		(Total for question = 3 marks)

Q5. CALCULATOR ALLOWED

Ross rolled an ordinary dice 30 times.

e mean score as 8 impossible for the mean score to b he scores in the t
he mean

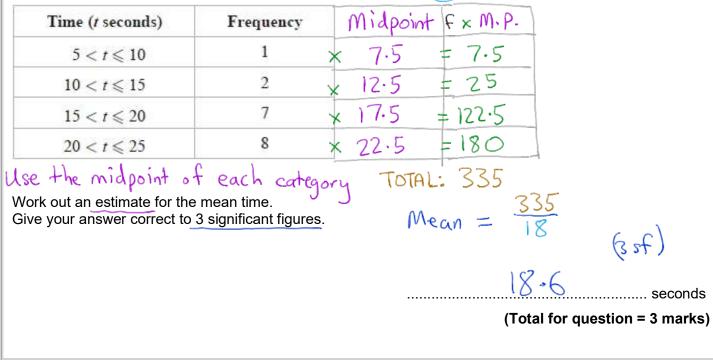


(Total for question = 1 mark)

Q7. CALCULATOR ALLOWED

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The table gives information about the times taken, in seconds, by 18 students to run a race.

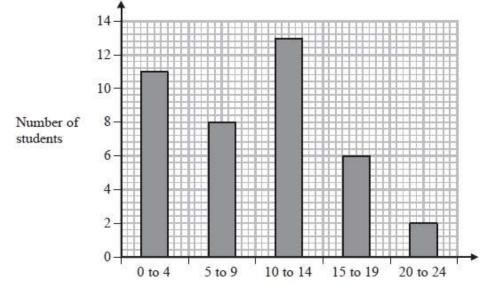


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Q8. CALCULATOR ALLOWED

Fran asks each of 40 students how many books they bought last year.

The chart below shows information about the number of books bought by each of the 40 students.



Number of books

Show that an estimate for the mean number of books bought is 9.5

You must show all your working.

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Number of books	Frequen	cy	Midpoint	Fr	eq × Midpoint	
0 to 4	11	×	2	=	22	
5 to 9	8	×	7	=	56	
10 +0 14	13	×	12	=	156	
15 to 19	6	×	17	1	102	ļ
20 to 24	2	*	22	-	44	
TOTAL:	40		TOTAL	0	380	

(Total for question = 4 marks)

$$Mean = \frac{380}{40}$$

= 9.5