Q1. A survey of S3 pupils on how many times they visited the cinema in the last month is given below.

Complete the table below and calculate:

- (i) Range
- (ii) Mean
- (iii) Mode
- (iv) Median

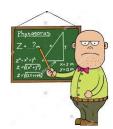


No of Visits	Frequency	Vists x Frequency
0	104	
1	56	
2	44	
3	20	
4	10	
5	1	
Total		

Q2. In a school, the average age of three mathematics teachers is 48.

A new mathematics teacher arrives and the new average is 51.

What is the age of the new mathematics teacher?



Q3. Complete the table below and calculate the median.

No of books	Frequency	Cumulative Frequency
0	1	
1	2	
2	3	
3	5	
4	5	
5	6	
6	2	
7	1	

Marking Scheme

Q1	(i) Range = 5	•	• 5						
	(ii) Mean = 1.06	•	 Totals + 3rd column correct 2 marks 						
			(2 out of 3 1 mark)						
	(iii) Mode = 0		(2 55, 5) 5 2						
			No of Visits	Frequency	Visits x Freque	ency			
	(ii) Median = 15		0	104	0				
			1	56	56				
			2	44	88				
			3 4	20 10	60 40				
			5	1	5				
			Total	235	249				
			_						
		•	• 1.06						
		•	0						
			1						
			•						
Q2	60	•	144						
		•	204						
			204 - 144 = 60	0					
Q3	3 books	•	Cumulative Frequancy all correct						
			No of books	Frequency	y <i>C</i> . F.				
			0	1	1				
			1	2	3				
			2	3	6				
			3	5	11				
			4	5	16				
			5	6	22				
			6	2	24				
			7	1	25				
		•	13 th number Median = 3 bo	ook					
					Total 12 m	1			

Total 12 marks