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:

1. Range
2. Mean
3. Mode
4. Median



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.



Marking Scheme

|  |  |  |
| --- | --- | --- |
| Q1 | $$\left(i\right) Range = 5$$$$\left(ii\right) Mean = 1.06$$$$\left(iii\right) Mode = 0$$$$\left(ii\right) Median = 15$$ | * 5
* Totals + 3rd column correct 2 marks

 (2 out of 3 1 mark)* 1.06
* 0
* 1
 |
| Q2 | 60 | * 144
* $204$
* 204 - 144 = 60
 |
| Q3 | 3 books | * $Cumulative Frequancy all correct$

* 13th number
* $Median=3 book$
 |

Total 12 marks