

### Averages from a Frequency Table

(a) Find the mean, median, mode and range of test marks from the table.

Test Mark	Frequency	
7	6	42
8	7	56
9	5	45
10	2	20

$$\text{MEAN} = \frac{163}{20} = 8.15$$

$$\text{MEDIAN} = 8$$

$$\text{MODE} = 8$$

$$\text{RANGE} = 3$$

(b) Find the mean, median, mode and range of number of goals scored.

Number of goals	Frequency	
0	4	0
1	8	8
2	5	10
3	3	9

$$\text{MEAN} = \frac{27}{20} = 1.35$$

$$\text{MEDIAN} = 1$$

$$\text{MODE} = 1$$

$$\text{RANGE} = 3$$

(c) Find the mean, median, mode and range of the age of the students.

Age (y)	Frequency	
11	6	66
12	7	84
13	8	104
14	4	56

$$\text{MEAN} = \frac{310}{25} = 12.4$$

$$\text{MEDIAN} = 12$$

$$\text{MODE} = 13$$

$$\text{RANGE} = 3$$

(d) Find the mean, median, mode and range number of pets.

Number of pets	Frequency	
0	11	0
1	15	15
2	3	6
3	1	3

$$\text{MEAN} = \frac{24}{30} = 0.8$$

$$\text{MEDIAN} = 1$$

$$\text{MODE} = 1$$

$$\text{RANGE} = 3$$