CHAPTER 8: MEASURES OF DISPERSION FOR UNGROUPED DATA

SUBTOPIC 8.2 : MEASURES OF DISPERSION

Calculate the cumulative frequency , then find the range and interquartile range of each of the following sets of data.

1.

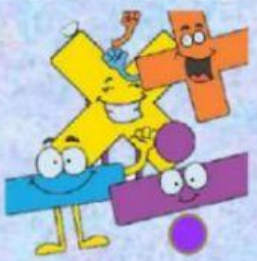
Time (s)	1	2	3	4	5
Frequency	2	3	2	5	4
Cumulative frequency	2				

i)Range = Largest value − Smallest value = ☐ − ☐ = ☐

ii)Interquartile range = $Q_3 - Q_1$ = ☐ − ☐ = ☐

2.

Score	10	11	12	13	14	15
Number of pupils	3	10	13	4	8	6
Cumulative frequency	3					44



i)Range = Largest value − Smallest value = ☐ − ☐ = ☐

ii)Interquartile range = $Q_3 - Q_1$ = ☐ − ☐ = ☐

Cumulative frequency = determined by adding its frequency and all the frequencies before it.

LIVEWORKSHEETS