

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.

Cikgu_Wanie7

4