CHAPTER 8: MEASURES OF DISPERSION FOR UNGROUPED DATA

SUBTOPIC 8.2 : MEASURES OF DISPERSION

Determine the range and interquartile range of each of the following sets of data

(a) 3, 7, 5, 9, 4, 4, 8, 7, 6, 2, 5.

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

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

(b) 13, 15, 19, 22, 17, 14, 15, 16, 18, 19, 11, 10, 20.

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

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

(c) 2.3, 2.2, 3.1, 2.8, 2.7, 2.4, 2.5, 2.3.

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

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

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