

Measures of Spread

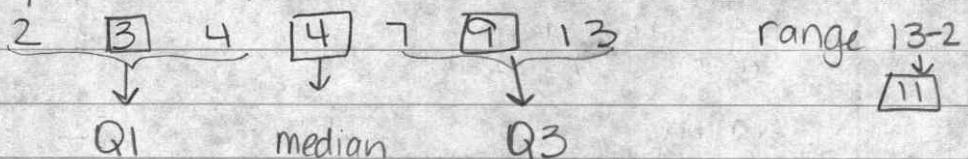
Range & IQR

4/1

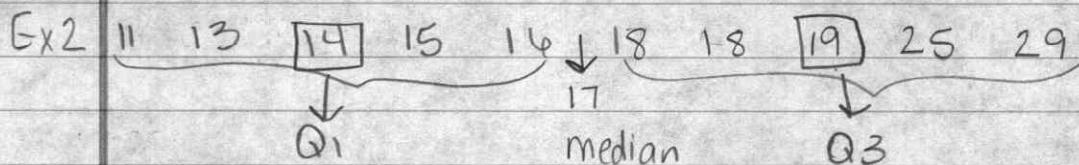
Range: difference between highest & lowest values

IQR: difference between the 1st quartile (lower 25%) & 3rd quartile (upper 25%; at 75% mark) in a sorted list

Ex1 2, 3, 4, 4, 7, 9, 13 * put in order if needed

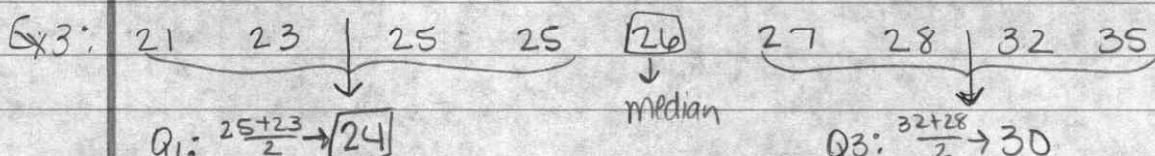


$$\text{IQR: } Q_3 - Q_1 \rightarrow 9 - 3 \rightarrow 6$$



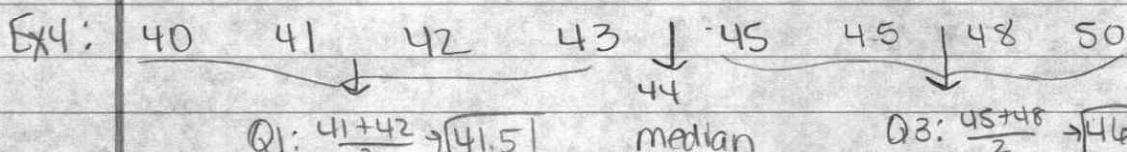
$$\text{Range: } 29 - 11 \rightarrow 18$$

$$\text{IQR: } Q_3 - Q_1 \rightarrow 19 - 14 \rightarrow 5$$



$$\text{Range: } 35 - 21 \rightarrow 14$$

$$\text{IQR: } 30 - 24 \rightarrow 6$$



$$\text{Range: } 50 - 40 \rightarrow 10$$

$$\text{IQR: } 46.5 - 41.5 \rightarrow 5$$