

## Data Analysis:-

$$A = \{1, 3, 7, 10, 4, 0, 3\}$$

$$\{1, 1, 2, 2, 3, 3, 10, 10\}$$

$$\text{A mean} = \frac{\text{Sum}}{\text{No.}}$$

$$\text{median} \rightarrow \frac{\text{no.}}{2} = \text{integers}$$

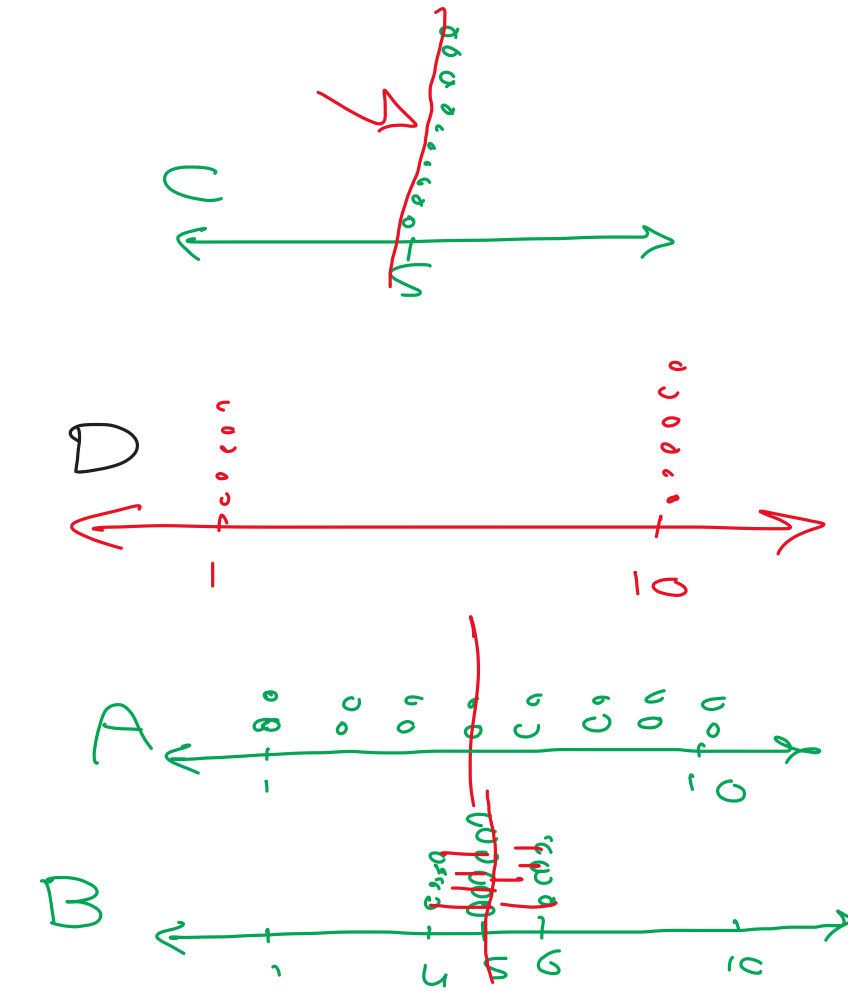
mode  $\rightarrow$  most repeated value

$$\text{Range} = \text{max} - \text{min}$$

$$\text{S.D (or) A.A.D} = \frac{\sum_{i=1}^{i=n} |x_i - \bar{x}|}{n} = \frac{|-3| + |-1| + |3| + |6| + |0| + |-4| + |-1|}{7}$$

$$= \sqrt{\frac{\sum_{i=1}^{i=n} (x_i - \bar{x})^2}{n}} = \sqrt{\frac{9 + 1 + 9 + 36 + 0 + 16 + 1}{7}}$$

$$\text{mean} = \frac{28}{7} = 4 = \bar{A}$$



S.D

$$C < B < A < D$$