

AVERAGE

$$\text{औसत} = \frac{\text{सुगुमो का योग}}{\text{सुगुमो की संख्या}} = \frac{\text{Sum of Terms}}{\text{No. of Terms}}$$

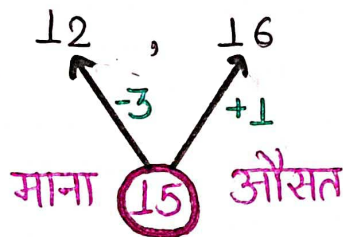
Ex:- 2, 3, 10, 12, 3

$$\text{औसत} = \frac{2+3+10+12+3}{5} = \frac{30}{5} = 6$$

* Average → हमेशा Minimum और Maximum संख्या के बीच में कही होगा।

DEVIATION METHOD विचलन विधि

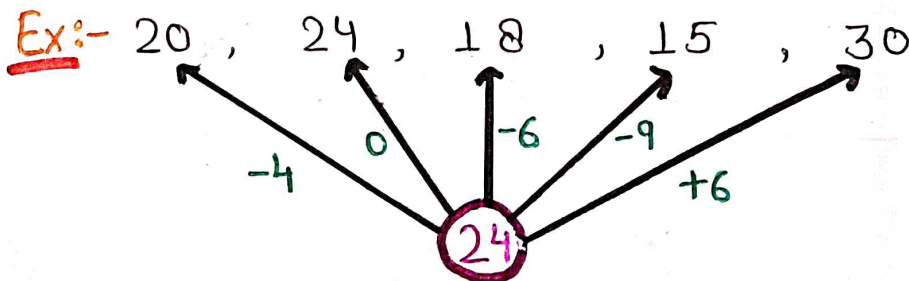
Ex:-



$$\text{Total Dev.} = -3 + 1 = -2$$

$$\text{औसत में Dev.} = \frac{-2}{2} = -1$$

$$\text{सही औसत} = 15 - 1 = 14$$

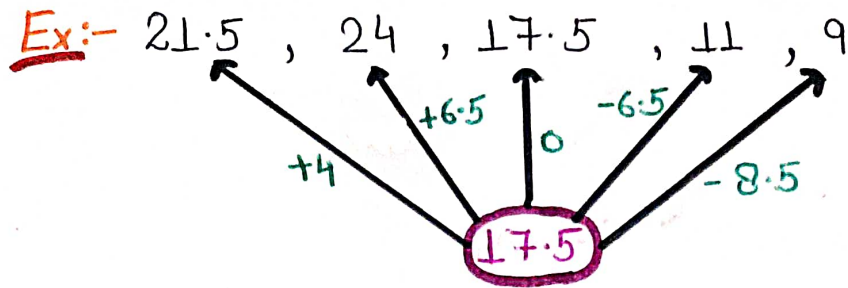


$$\text{Total Dev.} = -4 + 0 - 6 - 9 + 6 = -4 - 9 = -13$$

$$\text{Avg में Dev.} = \frac{-13}{5} = -2.6$$

$$\text{सही औसत} = 24 - 2.6 = 21.4$$

ROJGAR WITH ANKIT



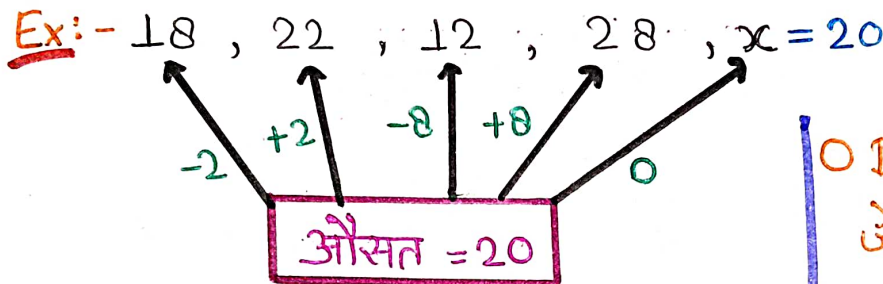
$$\text{Total Dev.} = 4 + 6.5 + 0 - 6.5 - 8.5$$

$$4 - 8.5 = -4.5$$

औसत में Dev. = $\frac{-4.5}{5} = -0.9$

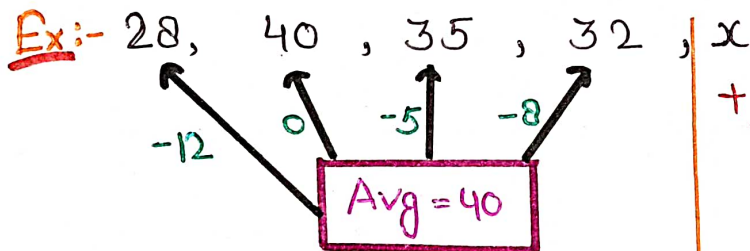
सही औसत = $17.5 - 0.9$

$$16.6$$



$$\text{कुल Dev} = -2 + 2 - 8 + 8 = 0$$

0 Deviation का मतलब जो औसत है वही संख्या होगी।



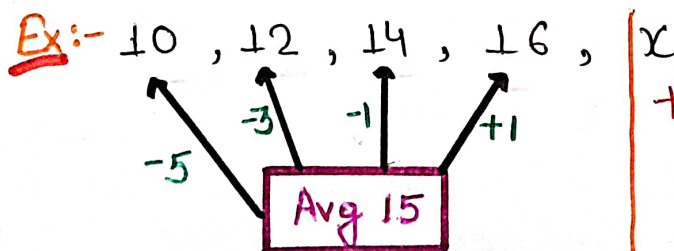
$$\text{Total Dev.} = -12 + 0 - 5 - 8$$

$$= -25$$

$$\frac{+25}{1} = +25$$

$$x = 40 + 25$$

$$65$$



$$\text{Total Dev.} = -5 - 3 - 1 + 1$$

$$= -8$$

$$\frac{+8}{1} = +8$$

$$x = 15 + 8$$

$$23$$