



# Foundation Batch

## MATHS

### Average (औसत)

LIVE 22-05-2024 07:00PM



## AVERAGE

### औसत

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

Ex

2, 3, 10, 12, 3  
6 6 6 6 6

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

औसत 6

\* Average  $\rightarrow$  औसत minimum और maximum संख्या के बीच में जिसी हिन्दी।

## DEVIATION METHOD

विचलन विधि

$12, 16$

$-3, +1$

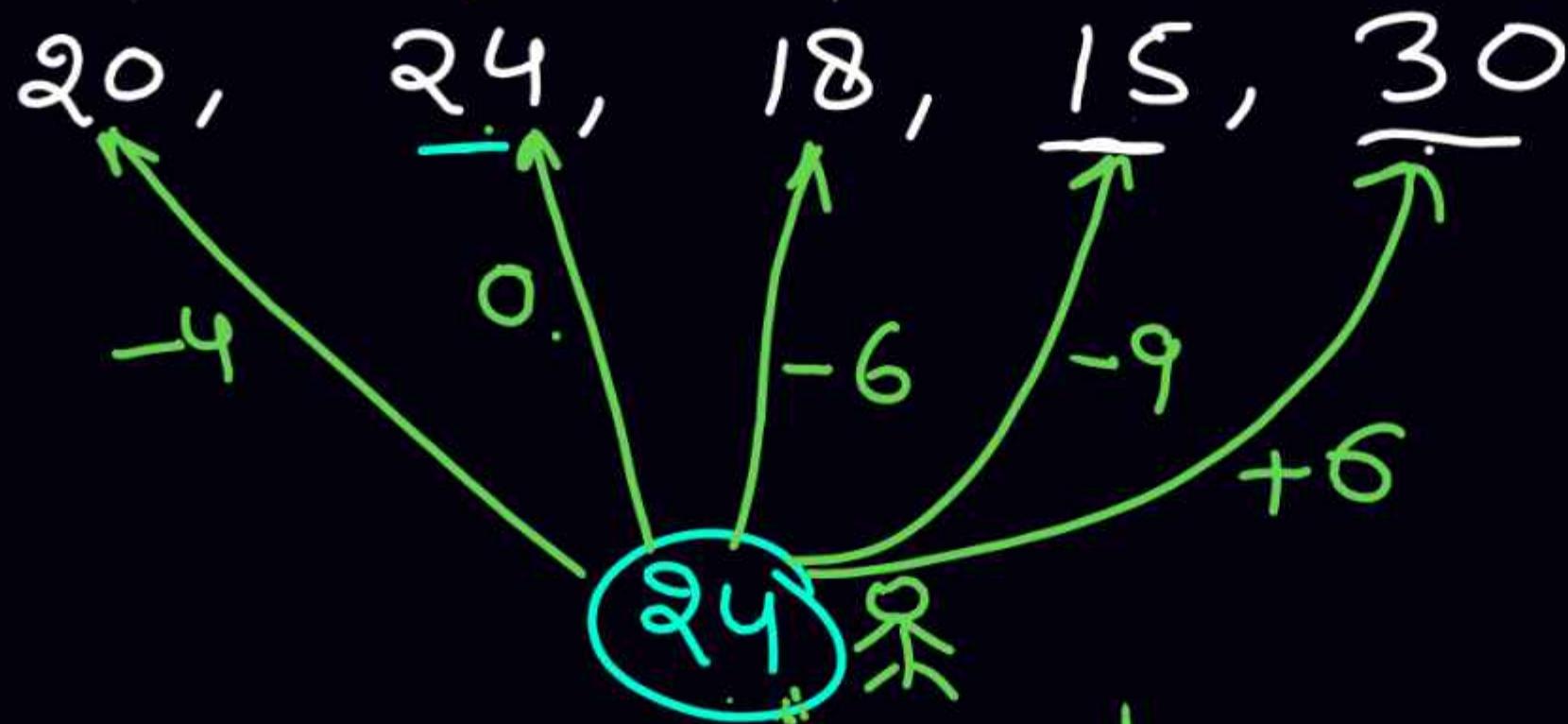
मान | औरत

$$\begin{aligned} &= \text{Total Dev.} = -3 + 1 \\ &= -2 \end{aligned}$$

औरत में Dev. =  $\frac{-2}{2} = -1$

सही औरत

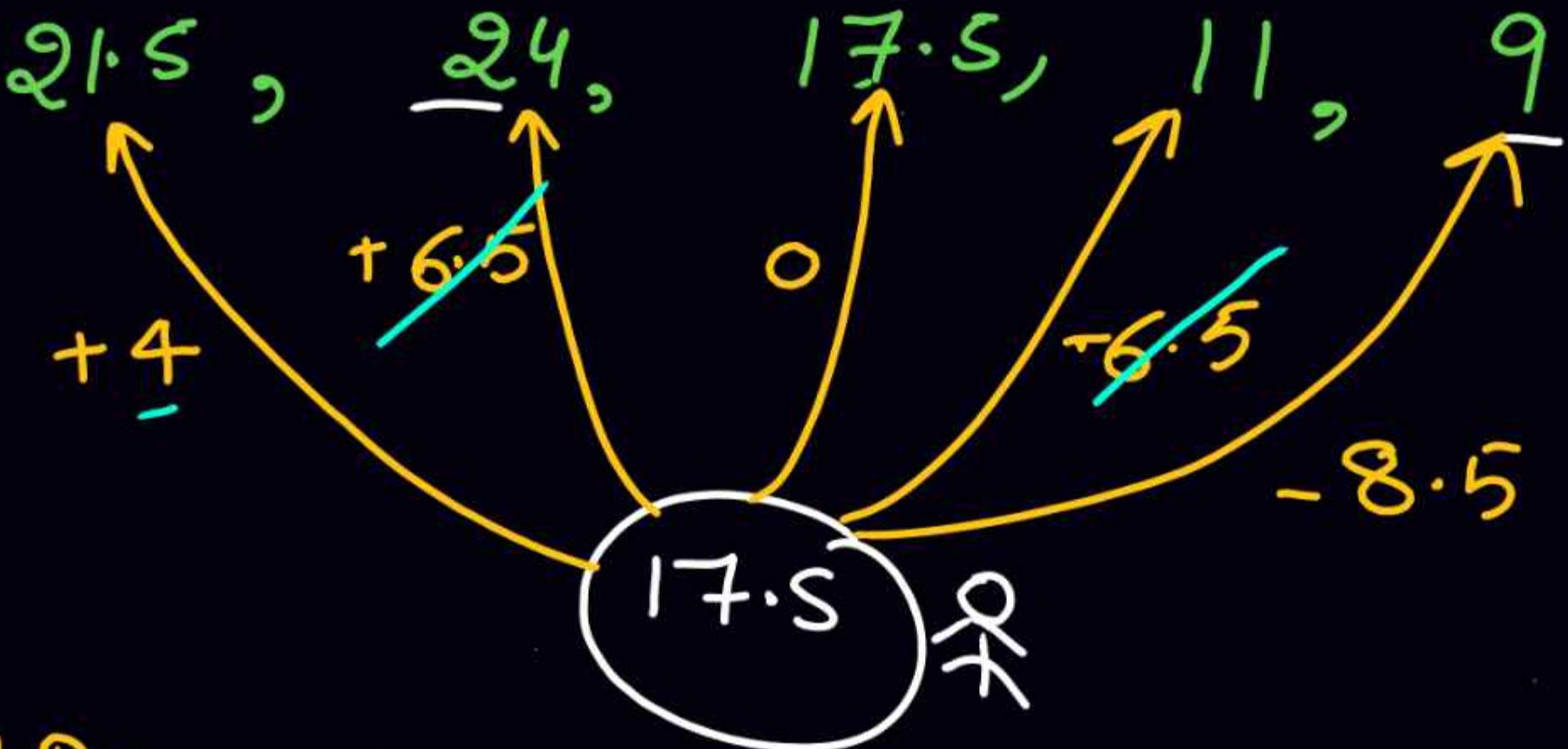
$$= 15 - 1 = 14$$



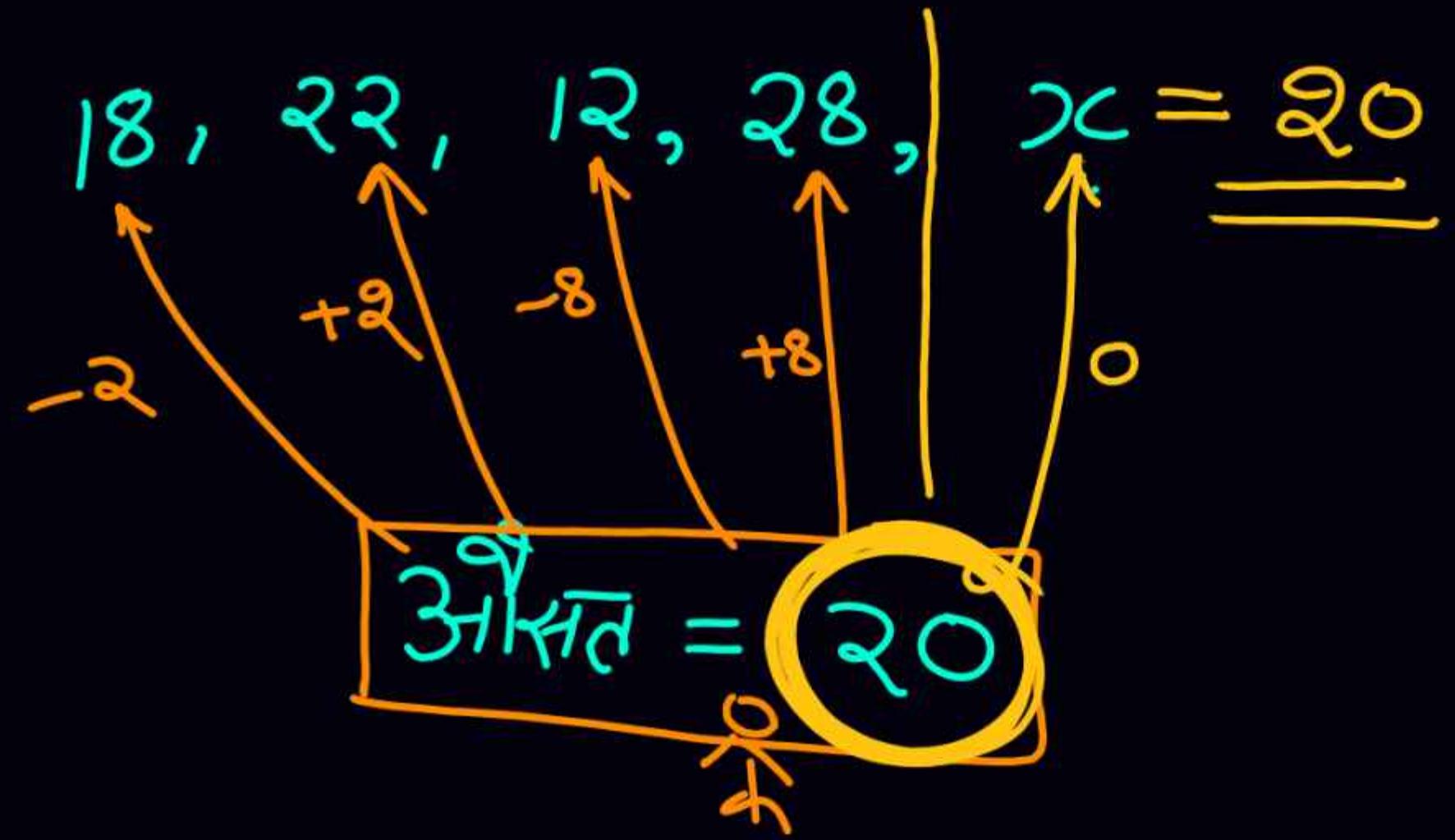
$$\begin{aligned}\text{Total Dev} &= -4 + 0 - 6 - 9 + 6 \\ &= -4 - 9 = -13\end{aligned}$$

$$\begin{aligned}\text{Avg Dev.} &= \frac{-13}{5} \\ &= -2.6\end{aligned}$$

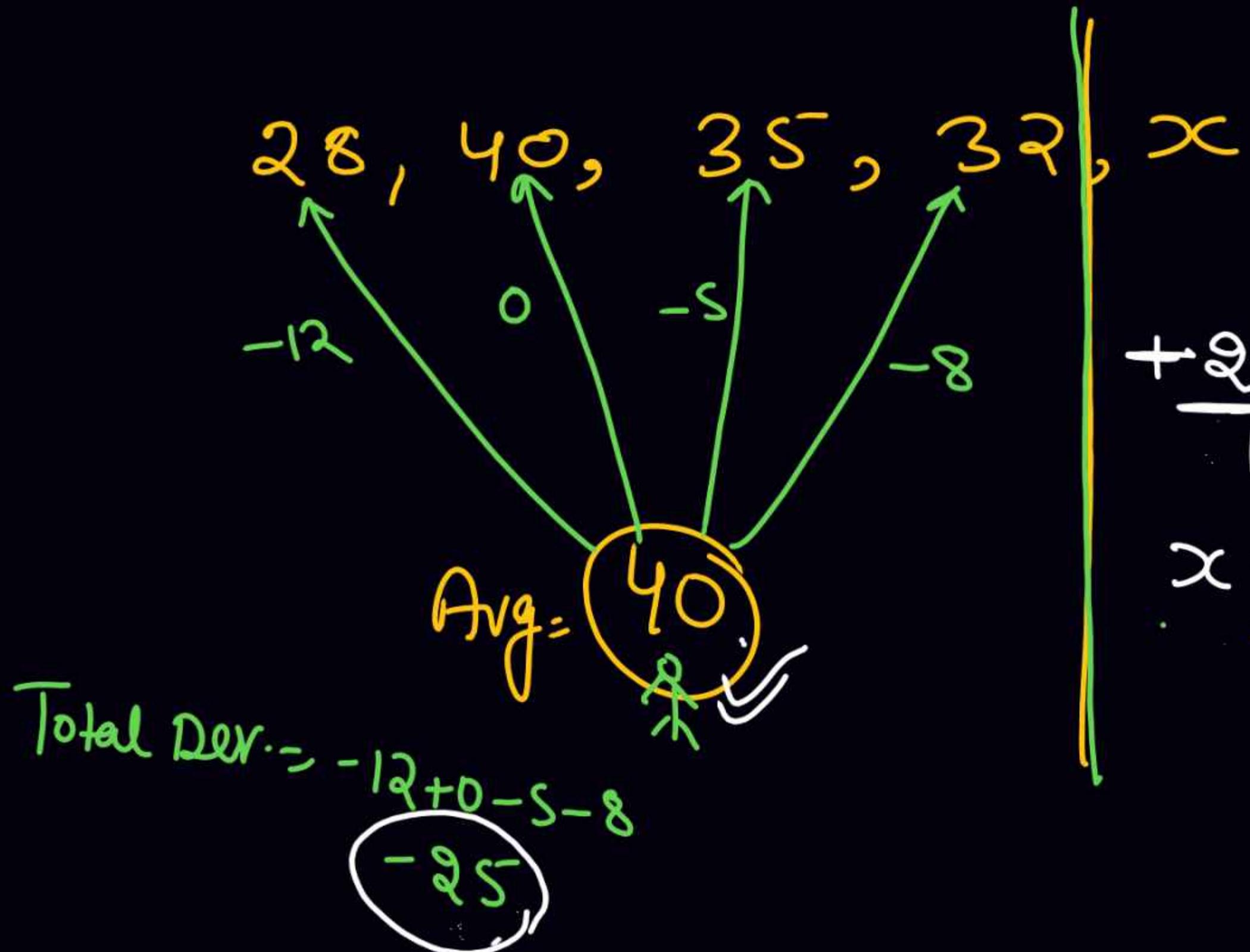
सदी औंहत  
 $24 - 2.6$   
 $\Rightarrow 21.4$



$$\begin{array}{l}
 \text{Total Dev.} = 4 - 8.5 = -4.5 \\
 \text{Average Dev.} = \frac{-4.5}{8} = -0.9
 \end{array}
 \quad \left| \begin{array}{l}
 \text{सही और} \\
 17.5 - 0.9 \\
 = 16.6
 \end{array} \right.$$



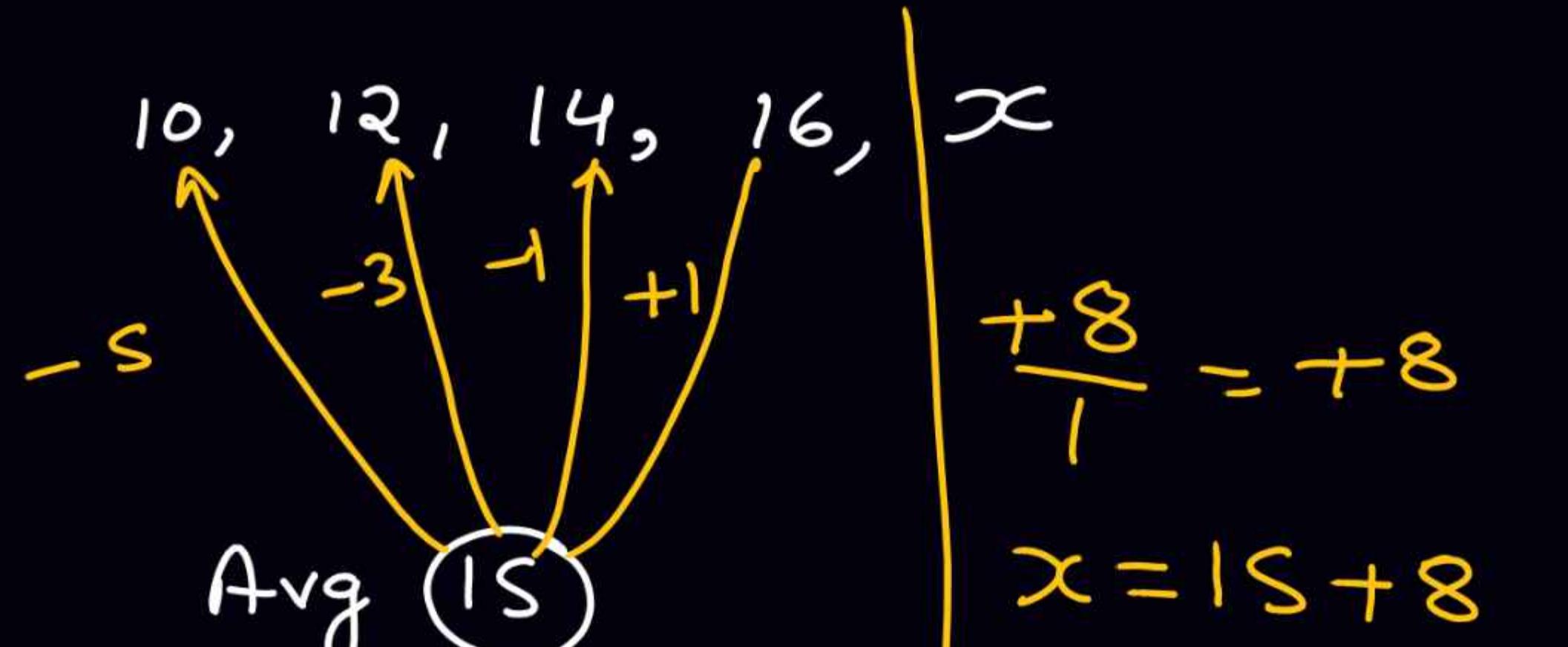
गुण Dev. =  $-1 + 1 - 8 + 8 = 0$



$$+\frac{2S}{1} = +2S$$

$$x = 40 + 2S$$

$$6S \\ \hline \hline$$



$$\begin{aligned}
 \text{Total Dev.} &= -5 - 3 - 1 + 1 \\
 &= -8
 \end{aligned}$$

30, 18, 20, 23, | A, B

$$\begin{array}{r} A+B=3 \\ \hline \end{array}$$

अंक 19