

Answers for Friday 24.04.2020 P.6 MTC Pg 173

Method I

$$\text{Average} = \frac{\text{Sum of data}}{\text{Number of data}}$$

$$6 \times 5 = \frac{\text{sum} \times 5}{5}$$

$$30 = \text{sum}$$

$$\therefore \text{The sum} = 30$$

Method II

$$\begin{aligned} \text{Sum} &= \text{Average} \times \text{No.} \\ &= 6 \times 5 \\ &= 30 \end{aligned}$$

Method I

$$\text{Average} = \frac{\text{sum}}{\text{Number}}$$

$$80 \times 4 = \frac{\text{sum} \times 4}{4}$$

$$320 = \text{sum}$$

$$\text{Total mark} = 320$$

Method II

$$\begin{aligned} \text{Total} &= \text{Average} \times \text{Number} \\ &= 80 \times 4 \\ &= 320 \text{ marks.} \end{aligned}$$

$$\begin{aligned} 3 \text{ Total weight} &= \text{Average} \times \text{Number} \\ &= 85 \times 7 \\ &= 595 \text{ kg} \end{aligned}$$

OR.

$$\text{Average} = \frac{\text{Sum of data}}{\text{Number of data}}$$

$$85 \times 7 = \frac{\text{Sum of data} \times 7}{7}$$

$$85 \times 7 = \text{Sum of data}$$

$$595 \text{ kg} = \text{Sum of data}$$

$$\therefore \text{Total weight} = 595 \text{ kg}$$