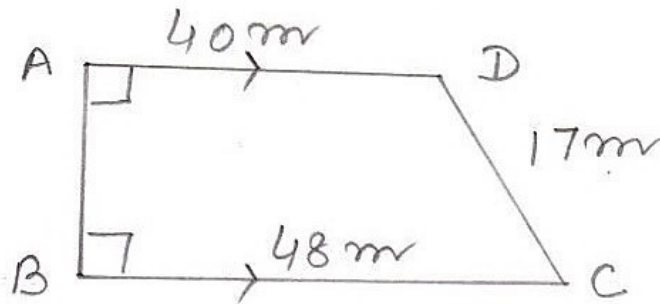


③



length of fence = 120 m

$$AB + BC + CD + DA = 120$$

$$AB + 48 + 17 + 40 = 120$$

$$\begin{aligned} \Rightarrow AB &= 120 - 105 \\ &= 15 \text{ m} \end{aligned}$$

area of trapezium shaped

$$\text{field} = \frac{1}{2} (AD + BC) AB$$

$$= \frac{1}{2} (40 + 48) 15$$

$$= \frac{1}{2} \times \overset{44}{\cancel{88}} \times 15$$

$$= 660 \text{ m}^2$$

④ area of field = $\frac{1}{2}$ diag. $(p_1 + p_2)$

$$= \frac{1}{2} \times \overset{12}{\cancel{24}} (13 + 8)$$

$$= 12 \times 21$$

$$= 252 \text{ m}^2$$

