



area of wall

$$\begin{aligned} s &= \frac{a+b+c}{2} \\ &= \frac{22+120+122}{2} \\ &= \frac{264}{2} \\ &= 132 \text{ m} \end{aligned}$$

$$\begin{aligned} \text{area} &= \sqrt{s(s-a)(s-b)(s-c)} \\ &= \sqrt{132(132-22)(132-120)(132-122)} \\ &= \sqrt{132 \times 110 \times 12 \times 10} \\ &= \sqrt{11 \times 12 \times 11 \times 10 \times 12 \times 10} \\ &= 10 \times 11 \times 12 \\ &= 1320 \text{ m}^2 \end{aligned}$$

cost of adv. on wall per sq m per
year = Rs 5000

cost of adv. for 1 year = Rs (1320 × 5000)

cost of adv. on wall for 3 months

$$\begin{aligned} &= \frac{1320 \times 5000}{12} \times 3 \\ &= \text{Rs } 16,50,000 \end{aligned}$$