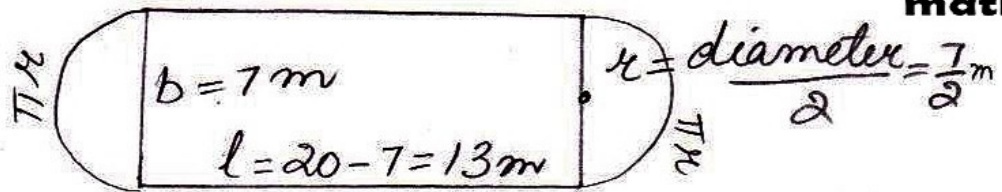


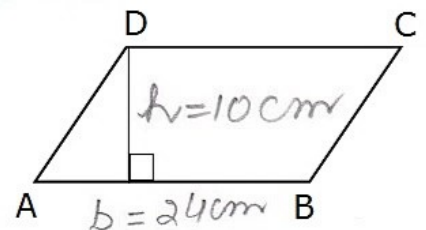
3



$$\begin{aligned} \text{Perimeter of garden} &= 2l + 2\pi r \\ &= 2 \times 13 + 2 \times \frac{22}{7} \times \frac{7}{2} \\ &= 26 + 22 \\ &= 48 \text{ m} \end{aligned}$$

$$\begin{aligned} \text{area of garden} &= \text{area of rectangular part} + \text{area of 2 semi circular ends} \\ &= lb + \frac{\pi r^2}{2} \times 2 \\ &= 13 \times 7 + \frac{22}{7} \times \frac{7}{2} \times \frac{7}{2} \\ &= 91 + 38.5 \\ &= 129.5 \text{ m}^2 \end{aligned}$$

4



$$\begin{aligned} \text{no. of tiles required} &= \frac{\text{area of floor}}{\text{area of a tile}} \\ &= \frac{4590}{224 \times 10} \\ &= 45000 \end{aligned}$$

[area of 11gm = base × al.]