



Mensuration I Ex 20.1 Q1

**Answer :**

We have,

(i) Length = 5.5 m, Breadth = 2.4 m

Therefore,

$$\begin{aligned}\text{Area of rectangle} &= \text{Length} \times \text{Breadth} \\ &= 5.5 \text{ m} \times 2.4 \text{ m} \\ &= 13.2 \text{ m}^2\end{aligned}$$

(ii) Length = 180 cm = 1.8 m, Breadth = 150 cm = 1.5 m [ Since 100 cm = 1 m ]

Therefore,

$$\begin{aligned}\text{Area of rectangle} &= \text{Length} \times \text{Breadth} \\ &= 1.8 \text{ m} \times 1.5 \text{ m} \\ &= 2.7 \text{ m}^2\end{aligned}$$

Mensuration I Ex 20.1 Q2

**Answer :**

We have,

(i) Side of the square = 2.6 cm

$$\begin{aligned}\text{Therefore, area of the square} &= (\text{Side})^2 \\ &= (2.6 \text{ cm})^2 = 6.76 \text{ cm}^2\end{aligned}$$

(ii) Side of the square = 1.2 dm = 1.2 x 10 cm = 12 cm [ Since 1 dm = 10 cm ]

$$\begin{aligned}\text{Therefore, area of the square} &= (\text{Side})^2 \\ &= (12 \text{ cm})^2 = 144 \text{ cm}^2\end{aligned}$$

Mensuration I Ex 20.1 Q3

**Answer :**

We have,

Side of the square = 16.5 dam = 16.5 x 10 m = 165 m [ Since 1 dam = 10 m ]

$$\begin{aligned}\text{Area of the square} &= (\text{Side})^2 = (165 \text{ m})^2 \\ &= 27225 \text{ m}^2\end{aligned}$$

\*\*\*\*\* END \*\*\*\*\*