



Exercise 2B

solution 13

Answer :

Sapna's total monthly income = Rs 12000

Monthly expenditure = $\frac{7}{8}$ of Rs 12000

$$= \text{Rs} \left(\frac{7}{8} \times 12000 \right) = \text{Rs} (7 \times 1500) = \text{Rs} 10500$$

$$\begin{aligned} \therefore \text{Monthly savings} &= \text{Rs } 12000 - \text{Rs } 10500 \\ &= \text{Rs } 1500 \end{aligned}$$

Hence, Sapna deposits Rs 1500 in the bank every month.

solution 14

Answer :

Side of the square field = $4\frac{2}{3}$ m

\therefore Area of the square = (side)²

$$\begin{aligned} &= \left(4\frac{2}{3} \text{ m} \right)^2 \\ &= \left(\frac{14}{3} \text{ m} \right)^2 = \frac{14}{3} \text{ m} \times \frac{14}{3} \text{ m} = \left(\frac{14 \times 14}{3 \times 3} \right) \text{ m}^2 = \frac{196}{9} \text{ m}^2 = 21\frac{7}{9} \text{ m}^2 \end{aligned}$$

Hence, the area of the square field is $21\frac{7}{9} \text{ m}^2$.

Solution 15

Answer :

Length of the rectangular park = $41\frac{2}{3}$ m = $\frac{125}{3}$ m

Its breadth = $18\frac{3}{5}$ m = $\frac{93}{5}$ m

\therefore Its area = length \times breadth

$$\begin{aligned} &= \left(\frac{125}{3} \times \frac{93}{5} \right) \text{ m}^2 \\ &= (25 \times 31) \text{ m} = 775 \text{ m}^2 \end{aligned}$$

Hence, the area of the rectangular park is 775 m^2 .

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