Exercise 2B

solution 13

Answer :

Sapna's total monthly income = Rs 12000

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

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

∴ Monthly savings = Rs 12000 − Rs 10500

= Rs 1500

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

solution 14

Answer :

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

∴ Area of the square = $(\text{side})^2$

$$= \left(4\frac{2}{3}\ \text{m}\right)^2$$

$$= \left(\frac{14}{3}\ \text{m}\right)^2 = \frac{14}{3}\ \text{m} \times \frac{14}{3}\ \text{m} = \left(\frac{14\times14}{3\times3}\right)\text{m}^2 = \frac{196}{9}\ \text{m}^2 = 21\frac{7}{9}\ \text{m}^2$$

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

Solution 15

Answer :

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

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

∴ Its area = length × breadth

$$= \left(\frac{125}{3} \times \frac{93}{5}\right)\text{m}^2$$

= (25 × 31) m = 775 m^2

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

********** END **********