



Decimals Ex 3.2 Q6

**Answer :**

Length of the rectangle = 5.5 m

Breadth of the rectangle = 3.4 m

We know:

$$\begin{aligned}\text{Area of rectangle} &= \text{Length} \times \text{Breadth} \\ &= 5.5 \times 3.4 = \frac{55}{10} \times \frac{34}{10} = \frac{1870}{100} = 18.7 \text{ meter square}\end{aligned}$$

Thus, area of the rectangle = 18.7 m<sup>2</sup>

Decimals Ex 3.2 Q7

**Answer :**

Cost of one book = Rs. 25.75

$$\begin{aligned}\therefore \text{Cost of 24 books} &= \text{Rs. } 25.75 \times 24 \\ &= \frac{2575}{100} \times 24 \\ &= \frac{103}{4} \times 24 = 103 \times 6 \\ &= 618\end{aligned}$$

Hence, the cost of 24 books is Rs. 618.

Decimals Ex 3.2 Q8

**Answer :**

Distance travelled by the car in 1 litre of petrol = 14.75 km

$\therefore$  Distance travelled by the car in 15.5 litres of petrol = 14.75  $\times$  15.5

$$\begin{aligned}&= \frac{1475}{100} \times \frac{155}{10} \\ &= \frac{228625}{1000} \\ &= 228.625 \text{ km}\end{aligned}$$

Thus, the car travelled 228.625 km in 15.5 litres of petrol.

Decimals Ex 3.2 Q9

**Answer :**

Price of 1 kg of rice = Rs. 42.65

Price of 18.25 kg of rice = Rs. 42.65 × 18.25

$$\begin{aligned} &= \frac{4265}{100} \times \frac{1825}{100} \\ &= \frac{7783625}{10000} \end{aligned}$$

$$= 778.3625$$

Thus, 18.25 kg of rice will cost Rs. 778.36.

Decimals Ex 3.2 Q10

**Answer :**

Cost of 1 m of cloth = Rs. 152.50

∴ Cost of 10.75 m of cloth = Rs. 152.50 × 10.75

$$\begin{aligned} &\frac{1525}{10} \times \frac{1075}{100} \\ &= \frac{1639375}{1000} \end{aligned}$$

$$= 1639.375$$

Thus, 10.75 m of cloth will cost Rs. 1639.375.

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