Decimals Ex 3.2 Q6

Answer :

Length of the rectangle = 5.5 m

Breadth of the rectangle = 3.4 m

We know:

Area of rectangle = Length × Breadth
$$= 5.5 \times 3.4 = \frac{55}{10} \times \frac{34}{10} = \frac{1870}{100} = 18.7 \, meter \, square$$

Thus, area of the rectangle = 18.7 m^2

Decimals Ex 3.2 Q7

Answer :

Cost of one book = Rs. 25.75

∴ Cost of 24 books = Rs. 25.75 × 24

$= \frac{2575}{100} \times 24$

$= \frac{103}{4} \times 24 = 103 \times 6$

$= 618$

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

∴ Distance travelled by the car in 15.5 litres of petrol = 14.75×15.5

$= \frac{1475}{100} \times \frac{155}{10}$
$= \frac{228625}{1000}$
$= 228.625$ km

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

$$= \frac{4265}{100} \times \frac{1825}{100}$$

$$= \frac{7783625}{10000}$$

= 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

$$\frac{1525}{10} \times \frac{1075}{100}$$

$$= \frac{1639375}{1000}$$

= 1639.375

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

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