



Decimals Ex 3.3 Q7

Answer :

(i)

$$\frac{76}{0.019} = \frac{76 \times 1000}{19}$$
$$= 4000$$

(ii)

$$\frac{88}{0.08} = \frac{88 \times 100}{8}$$
$$= 1100$$

(iii)

$$\frac{140}{140} = \frac{140 \times 1000}{1400}$$

$$\frac{140}{0.074} = \frac{140 \times 1000}{74}$$

$$= 2000$$

(iv)

$$\frac{7}{0.014} = \frac{7 \times 1000}{14}$$

$$= 500$$

Decimals Ex 3.3 Q8

Answer :

(i)

$$\frac{20}{50}$$

$$= \frac{2}{5}$$

$$= 0.4$$

(ii)

$$\frac{8}{100} \\ = 0.08$$

(iii)

$$\frac{72}{576} \\ = \frac{18}{144} \\ = \frac{3}{24}$$

$$= 0.125$$

(iv)

$$\frac{144}{15}$$

$$= \frac{48}{5}$$

$$= 9.6$$

Answer :

Distance travelled by the vehicle in 2.4 litres of petrol = 43.2 km

∴ Distance travelled in 1 litre of petrol will be:

$$\begin{aligned}\frac{43.2}{2.4} \\&= \frac{432}{24} \\&= 18\end{aligned}$$

Thus, the vehicle will travel 18 km in 1 litre of petrol.

Decimals Ex 3.3 Q10

Answer :

Let the number of bags of wheat be x .

Given:

Weight of x bags = 1,743 kg

Weight of one bag = 49.8 kg

Therefore, $49.8 \times x = 1,743$

$$\begin{aligned}x &= \frac{1743}{49.8} \\&= \frac{1743 \times 10}{498} \\&= 35\end{aligned}$$

Thus, there are 35 bags of wheat.

Decimals Ex 3.3 Q11

Answer :

Length of cloth = 50 m

Length of one piece of cloth = 1.25 m

Let the number of pieces be x .

\therefore Number of pieces of cloth \times Length of each piece of cloth = Total length of cloth

$$x \times 1.25 = 50$$

$$\begin{aligned} x &= \frac{50}{1.25} \\ &= \frac{50 \times 100}{125} \\ &= 40 \end{aligned}$$

Thus, she gets 40 pieces of 1.25 m cloth from a total of 50 m.

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