

Decimals Ex 3.3 Q7

Answer:

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

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



$$\frac{140}{0.074} = \frac{140 \times 1000}{74}$$
= 2000

$$\frac{7}{0.014} = \frac{7 \times 1000}{14}$$
= 500

Decimals Ex 3.3 Q8

Answer:

$$\frac{2}{50}$$
= $\frac{2}{5}$
= 0.4

(ii)

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

(III)

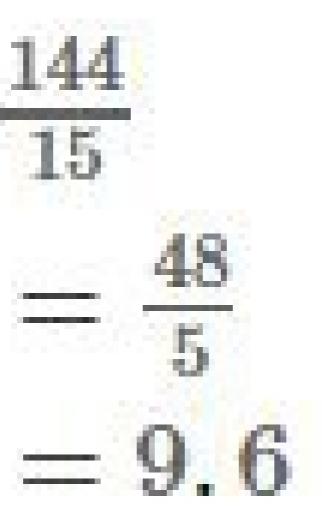
 $\frac{72}{576}$

 $=\frac{18}{144}$

 $=\frac{3}{24}$

= 0.125





Decimals Ex 3.3 Q9

Answer:

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

.. Distance travelled in 1 litre of petrol will be:

$$\frac{43.2}{2.4} \\
= \frac{432}{24} \\
= 18$$

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

$$x = \frac{1743}{49.8}$$

$$= \frac{1743 \times 10}{498}$$

$$= 35$$

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 imes Length of each piece of cloth = Total length of cloth

$$x \times 1.25 = 50$$

$$x = \frac{50}{1.25}$$

$$= \frac{50 \times 100}{125}$$

$$= 40$$

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

