



Decimals Ex 3.3 Q4

Answer :

(i)

$$\begin{aligned}\frac{0.45}{9} &= \frac{45}{9 \times 100} \\ &= \frac{5}{100} \\ &= 0.05\end{aligned}$$

(ii)

$$\begin{aligned}\frac{217.44}{18} &= \frac{21744}{18 \times 100} \\ &= 12.08\end{aligned}$$

(iii)

$$\begin{aligned}\frac{319.2}{2.28} &= \frac{3192 \times 100}{228 \times 10} \\ &= 140\end{aligned}$$

(iv)

$$\begin{aligned}\frac{40.32}{9.6} &= \frac{4032 \times 10}{96 \times 100} \\ &= 4.2\end{aligned}$$

(v)

$$\begin{aligned}\frac{0.765}{0.9} &= \frac{765 \times 10}{9 \times 1000} \\ &= \frac{7650}{9000} \\ &= 0.85\end{aligned}$$

(vi)

$$\begin{aligned}\frac{0.768}{1.6} &= \frac{768 \times 10}{16 \times 1000} \\ &= \frac{7680}{16000} \\ &= 0.48\end{aligned}$$

Decimals Ex 3.3 Q5

Answer :

(i)

$$\frac{16.64}{20} = \frac{1664}{20 \times 100}$$
$$= 0.832$$

(ii)

$$\frac{0.192}{12} = \frac{192}{12 \times 1000}$$
$$= 0.016$$

(iii)

$$\frac{163.44}{24} = \frac{16344}{24 \times 100}$$
$$= 6.81$$

(iv)

$$\frac{403.2}{96} = \frac{4032}{960}$$
$$= 4.2$$

(v)

(v)

$$\begin{aligned}\frac{16.344}{12} &= \frac{16344}{12 \times 1000} \\ &= \frac{1362}{1000} \\ &= 1.362\end{aligned}$$

(vi)

$$\begin{aligned}\frac{31.92}{228} &= \frac{3192}{228 \times 100} \\ &= \frac{14}{100} \\ &= 0.14\end{aligned}$$

Decimals Ex 3.3 Q6

Answer :

(i)

$$\frac{15.68}{20}$$

$$\begin{aligned}
 &= \frac{1568}{20 \times 100} \\
 &= 0.784
 \end{aligned}$$

(ii)

$$\begin{array}{r}
 164.6 \\
 \hline
 200 \\
 1646 \\
 \hline
 200 \times 10
 \end{array}$$

$$\begin{aligned}
 &= \frac{1646}{2000} \\
 &= 0.823
 \end{aligned}$$

(III)

$$\begin{aligned} & \frac{403.8}{30} \\ &= \frac{4038}{30 \times 10} \\ &= \frac{4038}{300} \\ &= 13.46 \end{aligned}$$

***** END *****