Decimals Ex 3.2 Q1

Answer :

i) On dividing by 100, we get:

$$4.74 \times 10 = \frac{474}{100} \times 10 = \frac{474}{10} = 47.4$$

ii) On dividing by 100, we get:

$$\frac{45}{100} \times 10 = \frac{45}{10} = 4.5$$

iii) Because the decimal is after 4 places from the right, we will divide by 10,000. We get:

$$\frac{215}{10000} \times 10 = \frac{215}{1000} = 0.215$$

iv) Because the decimal is after 4 places from the right, we will divide by 10,000. We get:

$$\frac{54}{10000} \times 10 = \frac{54}{1000} = 0.054$$

Decimals Ex 3.2 Q2

Answer :

i) On dividing by 1,000, we get:

$$\frac{35853}{1000} \times 100 = \frac{35853}{10} = 3585.3$$

ii) On dividing by 10, we get:

$$\frac{425}{10} \times 100 = 425 \times 10 = 4250$$

iii) On dividing by 1,000, we get:

$$\frac{12075}{1000} \times 100 = \frac{12075}{10} = 1207.5$$

iv) On dividing by 1,000, we get:

$$100 \times \frac{5}{1000} = \frac{5}{10} = 0.5$$

Decimals Ex 3.2 Q3

Answer :

i) On dividing by 1000, we get:

$$\frac{2506}{1000} \times 1000 = 2506$$

ii) On dividing by 1000, we get:

$$\frac{20708}{1000} \times 1000 = 20708$$

iii) On dividing by 10,000, we get:

$$\frac{529}{10000} \times 1000 = \frac{529}{10} = 52.9$$

iv) On dividing by 10, we get:

$$1000 \times \frac{1}{10} = 100$$

Decimals Ex 3.2 Q4

Answer :

i) On dividing the decimal by 10 and multiplying the numbers, we get:

$$\frac{34}{10} \times 17 = \frac{578}{10} = 57.8$$

ii) On dividing the decimal by 1000 and multiplying the numbers, we get:

$$\frac{745}{1000} \times 12 = \frac{8940}{1000} = 8.94$$

iii) On dividing the decimal by 100 and multiplying the numbers, we get:

$$\frac{2873}{100} \times 47 = \frac{135031}{100} = 1350.31$$

iv) On dividing the decimal by 10000 and multiplying the numbers, we get:

$$\frac{415}{10000} \times 59 = \frac{24485}{10000} = 2.4485$$

Decimals Ex 3.2 Q5

Answer :

i)

$$\frac{107}{100} \times \frac{2}{100}$$

$$= \frac{107 \times 2}{10000}$$

$$= 0.0214$$

ii)

$$\frac{2119}{10} \times \frac{113}{100}$$

$$= \frac{239447}{1000}$$

$$= 239.447$$

iii)

$$\frac{1005}{100} \times \frac{105}{100}$$

$$= \frac{105525}{10000}$$

$$= 10.5525$$

iv)

$$\frac{1301}{100} \times \frac{501}{100}$$

$$= \frac{651801}{10000}$$

$$= 65.1801$$

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