



Decimals Ex 7.3 Q4

Answer :

$$\begin{aligned} \text{(i)} \quad 12 \frac{1}{4} &= 12 + \frac{1}{4} \\ &= 12 + \frac{25}{4 \times 25} = 12 + \frac{25}{100} = 12.25 \end{aligned}$$

$$\text{(ii)} \quad 7 \frac{1}{8} = 7 + \frac{1}{8}$$

$$7 + \frac{1 \times 125}{8 \times 125} = 7 + \frac{125}{1000} = 7.125$$

$$\begin{aligned} \text{(iii)} \quad 5 \frac{1}{20} &= 5 + \frac{1}{20} \\ &= 5 + \frac{1 \times 5}{20 \times 5} = 5 + \frac{5}{100} = 5.05 \end{aligned}$$

Decimals Ex 7.3 Q5

Answer :

$$\text{(i)} \quad 0.04$$

$$= 0 + 0.04$$

$$= 0 + 4 \text{ hundredths}$$

$$= 0 + \frac{4}{100}$$

$$= \frac{4}{100}$$

$$= \frac{1}{25}$$

$$(ii) 2.34$$

$$= 2 + 0.34$$

$$= 2 + 34 \text{ hundredths}$$

$$= 2 + \frac{34}{100}$$

$$= \frac{2 \times 100}{100} + \frac{34}{100}$$

$$= \frac{200}{100} + \frac{34}{100}$$

$$= \frac{234}{100}$$

$$= \frac{117}{50}$$

$$(iii) 0.342$$

$$= 0 + 342 \text{ thousandths}$$

$$= \frac{342}{1000}$$

$$= \frac{171}{500}$$

$$(iv) 1.20$$

$$= 1 + 0.20$$

$$= 1 + 20 \text{ hundredths}$$

$$= 1 + \frac{20}{100}$$

$$= \frac{100}{100} + \frac{20}{100}$$

$$= \frac{120}{100}$$

$$= \frac{6}{5}$$

$$(v) 17.38$$

$$= 17 + 0.38$$

$$= 17 + 38 \text{ hundredths}$$

$$= 17 + \frac{38}{100}$$

$$= \frac{17 \times 100}{100} + \frac{38}{100}$$

$$= \frac{1700}{100} + \frac{38}{100}$$

$$= \frac{1738}{100}$$

$$= \frac{869}{50}$$

Answer :

(i) Here, we have 2 tens, 9 ones, 4 tenths and 1 hundredths.

Therefore, the decimal is 29.41.

(ii) Here, we have 3 tens, 4 tenths, 8 hundredths and 3 thousandths.

Therefore, the decimal is 30.483.

(iii) Here, we have 1 hundred, 3 tens, 7 ones and 5 hundredths.

Therefore, the decimal is 137.05.

(iv) Here, we have 7 tenths, 6 hundredths and 4 thousandths.

Therefore, the decimal is 0.764.

(v) Here, we have 2 tens, 3 ones, 2 tenths and 6 thousandths.

Therefore, the decimal is 23.206.

(vi) Here, we have 7 hundreds, 2 tens , 5 ones and 9 hundredths.

Therefore, the decimal is 725.09.

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