Decimals Ex 7.2 Q1

Answer :

(i) $\frac{3}{10} = 0.3$

(ii) $2 + \frac{5}{10} = 2.5$

(iii) $30 + \frac{1}{10} = 30.1$

(iv) $22 + \frac{6}{10} = 22.6$

(v) $100 + 2 + \frac{3}{10} = 102.3$

Decimals Ex 7.2 Q2

Answer :

(i) We have 3 tens, 6 ones and 2 tenths.

Therefore, the decimal is 36.2

(ii) We have 7 hundreds, 5 ones and 7 tenths.

Therefore, the decimal is 705.7.

(iii) We have 2 hundreds, 6 tens, 5 ones and 1 tenths.

Therefore, the decimal is 265.1.

(iv) We have 2 hundreds, 7 tens , 9 ones and 5 tenths.

Therefore, the decimal is 279.5.

Decimals Ex 7.2 Q3

Answer :

(i) $\frac{22}{10}$

Since the denominator is ten, the decimal is 2.2.

(ii) 3/2

Making the denominator 10, we have

3/2

$= \frac{3\times5}{2\times5}$

$= \frac{15}{10}$

$= 1.5$

(iii) 2/5

Making the denominator 10, we have

2/5

$= \frac{2\times2}{5\times2}$

$= \frac{4}{10}$

$= 0.4$

Decimals Ex 7.2 Q4

Answer :

(i) $40\frac{2}{5} = 40 + \frac{2}{5}$

To write in decimal, we need to make the denominator 10 by multiplying it by a number. But, to maintain the value of the fraction, we should also multiply the numerator by the same number. Thus, we get

$= 40 + \frac{2\times2}{5\times2}$

$= 40 + \frac{4}{10}$

$= 40.4$

(ii) $39\frac{2}{10} = 39 + \frac{2}{10}$

Here, the denominator is 10.

Therefore, the decimal is 39.2.

(iii) $4\frac{3}{5} = 4 + \frac{3}{5}$

To write in decimal, we need to make the denominator 10 by multiplying it by a number. But, to maintain the value of the fraction, we should also multiply the numerator by the same number. Thus, we get

$= 4 + \frac{3\times2}{5\times2}$

$= 4 + \frac{6}{10}$

$=4.6$

(iv) $25\frac{1}{2} = 25 + \frac{1}{2}$

To write in decimal, we need to make the denominator 10 by multiplying it by a number. But, to maintain the value of the fraction, we should also multiply the numerator by the same number. Thus, we get

$= 25 + \frac{1\times5}{2\times5}$

$= 25 + \frac{5}{10}$

$=25.5$

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