

Chapter-7- Decimals

Q-1 Write the following decimals in the place value table:

(i) 52.5

(ii) 12.57

(iii) 15.05

(iv) 74.059

(v) 0.503

Solution

	Number	Hundreds (100)	Tens (10)	ones (1)	Tenths ($\frac{1}{10}$)	Hundredths ($\frac{1}{100}$)	Thousandths ($\frac{1}{1000}$)
(i)	52.5		5	2	5		
(ii)	12.57		1	2	5	7	
(iii)	15.05		1	5	0	5	
(iv)	74.059		7	4	0	5	9
(v)	0.503				5	0	3

Q-2 Write the decimals shown in the following place value table

	Thousands	Hundreds	Tens	ones	Tenths	Hundredths	Thousandths
(i)		3	0	7	1	2	
(ii)	9	5	4	3	0	2	5
(iii)			1	2	5	0	3

Solution (i) 307.12

(ii) 9543.025

(iii) 12.503

Q.3 Write each of the following decimals in words:

(i) 175.04

(ii) 0.21

(iii) 9.004

(iv) 0.459

Solution (i) one hundred seventy five point zero four

OR

one hundred seventy five and four hundredths.

(ii) 0.21 → zero point two one

OR

zero and twenty one hundredths.

(iii) 9.004 → Nine point zero zero four.

OR

Nine and four thousandths.

(iv) 0.459 → zero point four five nine.

OR

zero and four hundred fifty nine thousandths.

Q.4 Write each of the following as decimals.

(i) $65 + \frac{2}{10} + \frac{7}{100}$

(ii) $45 + \frac{9}{100}$

(iii) $88 + \frac{5}{10} + \frac{2}{1000}$

$$(iv) \frac{3}{10} + \frac{7}{1000}$$

Solution (i) $65 + \frac{2}{10} + \frac{7}{100} = 65.27$

$$(ii) 45 + \frac{9}{100} = 45.09$$

$$(iii) 88 + \frac{5}{10} + \frac{2}{1000} = 88.502$$

$$(iv) \frac{3}{10} + \frac{7}{1000} = 0.307$$

Q.5 Write each of the following as decimals:

(i) Five and four tenths

(ii) Twelve and four hundredths

(iii) Nine and seven hundred five thousandths.

(iv) Zero point five two six

(v) Forty Seven and six thousandths

(vi) Eight thousandths

(vii) Nineteen and nineteen hundredths

Solution (i) Five and four tenths = $5 + \frac{4}{10} = 5.4$

(ii) Twelve and four hundredths = $12 + \frac{0}{10} + \frac{4}{100} = 12.04$

(iii) Nine and seven hundred five thousandths = $9 + \frac{7}{10} + \frac{0}{100} + \frac{5}{1000}$
 $= 9.705$

(4)

$$(iv) \text{ Zero point five two six} = \frac{5}{10} + \frac{2}{100} + \frac{6}{1000} \\ = 0.526.$$

$$(v) \text{ Forty seven and six thousandths} \\ = 47 + \frac{0}{10} + \frac{0}{100} + \frac{6}{1000} \\ = 47.006$$

$$(vi) \text{ Eight thousandths} = \frac{8}{10} + \frac{0}{100} + \frac{8}{1000} = 0.008$$

$$(vii) \text{ Nineteen and nineteen hundredths} \\ = 19 + \frac{1}{10} + \frac{9}{100} = 19.19$$

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