

CHAPTER-7

(DECIMAL)

[EXERCISE :- 7A]

2. For the number 186.45 write the digit in the:-

a) Tens place

Ans: The number 186.45 tens place digit-

b) Tenth's place.

Ans:- The number 186.45 tenth's place digit-

c) hundred's place

13) Build a decimal with.

a) 7 in the tenths place and 4 in the ones place

4.7

b) 9 in the tenths place 6 in the hundredths place. 8 in the ones place 5 in the tens place.

58.96

c) 5 in the ones place 7 in the tenths place 8 in the hundredths place

5.78

Ques 4. Express as a decimal.

Solution.

a)

$$\frac{13}{10} =$$

$$10 \overline{) 13}$$

$$\begin{array}{r} 1.3 \\ 10 \overline{) 13} \\ \underline{30} \\ 30 \\ \underline{xx} \end{array}$$

$\frac{13}{10}$ decimal is 1.3

b)

$$\frac{27}{100}$$

$$100 \overline{) 270}$$

$$\begin{array}{r} 0.27 \\ 100 \overline{) 270} \\ \underline{200} \\ 700 \\ \underline{700} \\ \underline{xxx} \end{array}$$

$\frac{27}{100}$ decimal is 0.27

c)

$$\frac{142}{10}$$

$$10 \overline{) 142}$$

$$\begin{array}{r} 14.2 \\ 10 \overline{) 142} \\ \underline{100} \\ 42 \\ \underline{40} \end{array}$$

$$\begin{array}{r} 14.2 \\ 10 \overline{) 142} \\ \underline{100} \\ 42 \\ \underline{40} \\ \underline{20} \\ 20 \\ \underline{xx} \end{array}$$

$\frac{142}{10}$ decimal is 14.2

$$d) \frac{843}{100}$$

$$\begin{array}{r} 8.43 \\ 100 \overline{) 843} \\ \underline{800} \\ \times 430 \\ 400 \\ \times 300 \\ 300 \\ \times \times \times \end{array}$$

$\frac{843}{100}$ decimal is 8.43

$$e) \frac{5}{100}$$

$$\begin{array}{r} 0.05 \\ 100 \overline{) 500} \\ \underline{500} \\ \times \times \times \end{array}$$

Solution: $\frac{5}{100}$ decimal is 0.05

5. Express as a fraction:-

a) 0.11

Solution: $0.11 \rightarrow \frac{11}{10}$

0.11 fraction is $\frac{11}{10}$

b) 0.8

Solution: $0.8 \rightarrow \frac{8}{10} = \frac{4}{5}$

0.8 fraction is $\frac{8}{10}$ or $\frac{4}{5}$

c) 1.1

Solution: $1.1 \rightarrow \frac{11}{10}$

1.1 fraction is $\frac{11}{10}$

d) 7

d) 3.07

Solution: $3.07 \Rightarrow \frac{307}{100}$

3.07 fraction is $\frac{307}{100}$

e) 5.84

Solution: $5.84 \Rightarrow \frac{584}{100}$

5.84 fraction = $\frac{584}{100}$

6) Give the next three numbers:-

a) 1.5, 1.6, 1.7

Solution: We add the 1 in the last numbers.

1.7

+ 1

1.8

1.8

+ 1

1.9

1.9

+ 1

2.0

next three numbers is 1.8, 1.9, 2.0

6.02, 6.03, 6.04

We add the 1 in the last number.

$$\begin{array}{r} 6.04 \\ + \quad 1 \\ \hline 6.05 \end{array}$$

$$\begin{array}{r} 6.05 \\ + \quad 1 \\ \hline 6.06 \end{array}$$

$$\begin{array}{r} 6.06 \\ + \quad 1 \\ \hline 6.07 \end{array}$$

next three number is 6.05, 6.06, 6.07

4.23, 4.24, 4.25

\therefore We add the 1 in the last number

$$\begin{array}{r} 4.25 \\ + \quad 1 \\ \hline 4.26 \end{array}$$

$$\begin{array}{r} 4.26 \\ + \quad 1 \\ \hline 4.27 \end{array}$$

$$\begin{array}{r} 4.27 \\ + \quad 1 \\ \hline 4.28 \end{array}$$

next three number is 4.26, 4.27, 4.28

b) 5.92, 5.93, 5.94

We add the 1 in the last number

$$\begin{array}{r} 5.94 \\ + 1 \\ \hline 5.95 \end{array} \quad \begin{array}{r} 5.95 \\ + 1 \\ \hline 5.96 \end{array} \quad \begin{array}{r} 5.96 \\ + 1 \\ \hline 5.97 \end{array}$$

next three numbers is 5.95, 5.96, 5.97

c) 11.8, 11.9, 12.0

We add the 1 in the last numbers.

$$\begin{array}{r} 12.0 \\ + 1 \\ \hline 12.1 \end{array} \quad \begin{array}{r} 12.1 \\ + 1 \\ \hline 12.2 \end{array} \quad \begin{array}{r} 12.2 \\ + 1 \\ \hline 12.3 \end{array}$$

next three numbers is 12.1, 12.2, 12.3

d) 7.97, 7.98, 7.99

We add the 1 in the last numbers: -

$$\begin{array}{r} 7.99 \\ + 1 \\ \hline 8.00 \end{array} \quad \begin{array}{r} 8.00 \\ + 1 \\ \hline 8.01 \end{array} \quad \begin{array}{r} 8.01 \\ + 1 \\ \hline 8.02 \end{array}$$

next three numbers is 8.00, 8.01, 8.02