

## Chapter- 10

## DECIMAL FRACTIONS

## WORKSHEET

## 1. Fill in the blanks :

- a. A decimal fraction is a fraction whose denominator is 10 or multiple of 10.
- b.  $\frac{133}{10}$  can be written as 13.3 in decimal.
- c. In 1265.356, .356 is the decimal part.
- d. A Point separates a whole number from a decimal fraction.
- e. If two decimal fraction have unequal number of decimal places, they are called unlike decimal fractions.
- f. Rounding off 9.563 to the nearest hundredths, we get 9.56.
- g. Two fifteenth is the number name for 2.15.
- h. When multiplying a decimal number by 100 the decimal point will move to two places right.
- i.  $0.3269 \times 1000 =$  326.9.
- j. If  $245 \times 21 = 5145$ , then  $24.5 \times 21 =$  51.45.

## 2. Do as directed :

- a) Arrange in ascending order using  $>$  or  $<$ : 12.02, 21.12, 20.12

Ans. 12.02, < 20.12 < 21.12.

- b) Write in expanded form: 1253.236

Ans. 1000 + 200 + 50 + 3 + 200 + 300 + 6000

- c) Convert to decimal:  $\frac{17}{25}$

Ans. 0.68

d) Arrange in descending order : 36.23 , 56.20, 36.02

Ans. 56.20 , 36.23 , 36.02

e) Convert to fraction: 9.23

Ans.  $\frac{923}{100}$

3. Solve as per the given instructions:

a. Add these: 10.1, 100.01, 11.11, 101.011

Ans.

$$\begin{array}{r} 101.011 \\ 100.010 \\ 11.410 \\ + 10.100 \\ \hline 222.231 \end{array}$$

b. How much should be subtracted from 1200 to get 1050.36?

Ans.

$$\begin{array}{r} 1200.000 \\ - 1050.36 \\ \hline 149.64 \end{array}$$

c. Simplify  $2000 - 236.45 - 589.963 + 0.3659$

Ans.

$$\begin{array}{r} 2000.000 \\ - 236.45 \\ \hline 1763.550 \\ - 589.963 \\ \hline 1173.587 \end{array}$$

$$\begin{array}{r} 1173.5870 \\ + 0.3659 \\ \hline 1173.9529 \end{array}$$

d. Find the value :  $3.456 \times 3.65$

Ans.

$$\begin{array}{r}
 3.456 \\
 \times 3.650 \\
 \hline
 170800 \\
 2073600 \\
 10368000 \\
 \hline
 12.614400
 \end{array}$$

$$= 12.614400$$

e. Divide:  $51.2 \div 5000$

Ans.

$$\begin{array}{r}
 51.2 \\
 \hline
 5000
 \end{array}$$

$$= \frac{512}{50000}$$

$$= 0.01024$$

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