

## CHAPTER : 10

### DECIMAL FRACTIONS WORKSHEET.

NO.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 decimal point separates a whole number from a decimal fraction.

e. If two decimal fractions have unequal number of decimal places, they are called unlike decimal fractions.

f. Rounding off 9.563 to the nearest hundredths we get 9.560 = 9.56.

g. Two fifteenths is the number name for 2.5.

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  $24.5 \times 21 = 514.5$  (Ans)

No:2. Do as directed :

a. Arrange in ascending order using  $>$  or  $<$ .  
12.02, 20.12 and 21.12.

b. Write in expanded form :  $1253.236$   
A. One thousand two hundred five tens three ones.  
two tenths three hundredths six thousandths.

c. Convert to decimal :  $\frac{17}{25}$   
 $\Rightarrow \frac{17 \times 4}{25 \times 4} = \frac{68}{100} = 0.68$  (Answer)

d. Arrange in descending order :  $36.23$ ,  $56.20$ ,  $36.02$   
 $\Rightarrow 56.20$ ,  $36.23$ ,  $36.02$

e. Convert to fraction :  $9.23$   
 $\Rightarrow 9.23 = \frac{923}{100}$

NO. 3. Solve as per the given instructions :

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

Ans.

$$\begin{array}{r} 100.01 \\ (+) 101.011 \\ (+) 11.11 \\ \hline 10.1 \\ \hline 222.231 \end{array}$$

b. How much should be subtracted from 1200 to get 1050.36 ?  $1200.00$

A.  $\hookrightarrow 1050.36$

$\therefore$  This is the no:  $149.64$  (Ans).

c. Simplify  $2000 - 236.45 - 589.963 + 0.3659$   
 $\Rightarrow (2000 + 0.3659) - (236.45 + 589.963)$

$$\Rightarrow 2000 \cdot 3659 - 826 \cdot 413$$

$$\Rightarrow 1,173 \cdot 9529 \text{ (Ans)}$$

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

$$\frac{3456}{1000} \times \frac{365}{100} = \frac{1267240}{100000} = 12.6724$$

e. Divide :  $51.2 \div 5000 = 0.01024$

$$\Rightarrow \frac{512}{10} \div \frac{5000}{1}$$

$$\Rightarrow \frac{512}{10} \times \frac{1}{5000}$$

$$\Rightarrow \frac{512}{10} \times \frac{1}{5000}$$

$$= \frac{32}{5 \times 625}$$

$$= \frac{32}{3125} = 0.01024$$

(Ans)