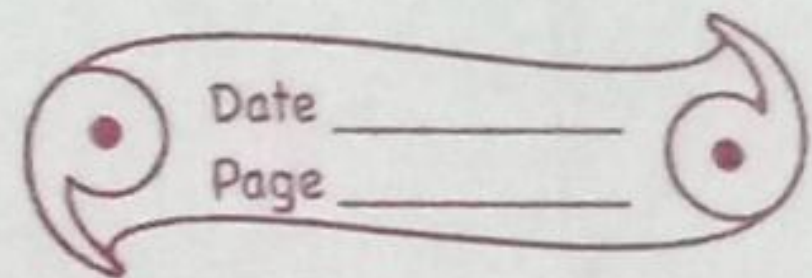


## CHAPTER-10



### DECIMAL FRACTIONS

### WORKSHEET

1. Fill in the blanks  $\Rightarrow$

(a) A decimal Fraction is a Fraction whose denominator is 10 or multiple of multiplication of ten

(b)  $\frac{133}{10}$  can be written as 13.3 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 <sup>un</sup>equal number of decimal places, they are called unlike decimal fraction.

(f) Rounding off 9.563 to the nearest hundredths, we get 9.56

g. two Fifteenth is the number name for Fraction

h. When multiplying a decimal number by 100 the decimal point will move to two places right.

(i)  $0.3269 \times 1000 = 326.9$

(ii) If  $245 \times 21 = 5145$ , then  $24.5 \times 21 = \underline{514.5}$

(2) Do as directed :-

(a) Arrange in ascending order using  $\lt$  :  
12.02, 21.12, 20.12

$$12.02 < 20.12 < 21.12$$

(b) Write in expanded form 1253.236  
 $1000 + 200 + 50 + 3 + \frac{2}{10} + \frac{3}{100} + \frac{6}{1000}$   
 $= 1000 + 200 + 50 + 3 + .2 + .03 + .006$

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

$$\begin{array}{r} 0.68 \\ 25 \overline{) 170} \\ \underline{150} \\ 200 \\ \underline{200} \\ 000 \end{array}$$

d) Arrange in descending order - 36.23,

56.20, 36.02

56.20, 36.23, 36.02

e) convert to fraction: 9.23

$$\frac{923}{100}$$

3. Solve as per the given instruction:-

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

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

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

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

$$\begin{array}{r}
 1200.00 \\
 - 1050.36 \\
 \hline
 149.64
 \end{array}$$

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

$$= 2000.0000 - 236.45 - 589.963 + 0.3659$$

$$= \frac{2000.3659 - 236.45 - 589.963}{}$$

$$\begin{array}{r} 2000.3659 \\ - 826.4130 \\ \hline 1173.9529 \end{array}$$

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

$$\begin{array}{r} 3.456 \\ \times 3.65 \\ \hline 17280 \\ 20736 \\ 10368 \\ \hline 12.61440 \end{array}$$

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