

Ch-10

## DECIMAL FRACTIONS

### WORKSHEET

1. a. A decimal fraction is a fraction whose denominator is ~~ten~~ 10 or multiple of 10.

~~10~~  $\frac{133}{10}$  can be written as 13.3 in decimal.

a. A decimal point separates the whole number from a decimal fraction.

d. In 1265.356, 356 is the decimal part.

e. If 2 decimal fractions have unequal number of decimal places, they're called unlike decimal fractions.

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

g. Two fifteenths is the number name for 20.13333333...

h. When multiplying a decimal point will move to 2 places right.

i.  $0.3269 \times 1000 = 326.9$

g.) If  $245 \times 21 = 5145$ , then  $245 \times 21 = \underline{514.5}$

2. (a)  $12.02 < 20.12 < 21.12$

(b)  $1000 + 200 + 50 + 3 + \frac{2}{10} + \frac{3}{100} + \frac{6}{1000}$

(d)  ~~$\frac{17}{25}$~~   $\frac{17}{25} =$

$$\begin{array}{r} 0.68 \\ 25 \overline{) 17.00} \\ \underline{-10} \phantom{0} \\ 70 \\ \underline{-50} \\ 200 \\ \underline{-200} \\ 000 \end{array}$$

$\frac{17}{25} = 0.68$

(d)  $56.2 > 36.23 > 36.02$

(e)  $9.23 = \frac{923}{100} = 9 \frac{23}{100}$

3-  $10.2 + 100.01 + 11.11 + 101.012$

A  $\rightarrow 101.011$

Ans. 222.231

$$\begin{array}{r} 100.010 \\ 22.110 \\ 10.100 \\ \hline 222.231 \end{array}$$

4. How much to subtracted of Minus'

No,

$$\begin{array}{r} \textcircled{1} \textcircled{2} \textcircled{3} \textcircled{4} \textcircled{5} \\ 1200.00 \\ - 1050.36 \\ \hline 149.64 \end{array}$$

No, 149.64 should be subtracted

from 1200.00.

$$c. 2000 + 0.3659 - 236.45 + 589.63$$

$$= \cancel{2000} + \cancel{6}$$

$$= 2000.3659 - 826.08$$

$$= 1174.2859$$

$$\begin{array}{r} \textcircled{1} \textcircled{2} \textcircled{3} \textcircled{4} \textcircled{5} \textcircled{6} \\ 2000.3659 \\ - 826.0800 \\ \hline 1174.2859 \end{array}$$

d.

$$\begin{array}{r}
 \begin{array}{r}
 \text{9} \\
 \text{2} \\
 \text{2} \\
 \text{3} \\
 \text{d}
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{9} \\
 \text{0} \\
 \text{0} \\
 \text{4} \\
 \text{5} \\
 \text{6}
 \end{array}$$

$$\begin{array}{r}
 \times 355 \\
 \hline
 70 \quad 280 \\
 + 207 \quad 360 \\
 \hline
 1036 \quad 800 \\
 \hline
 \boxed{261440}
 \end{array}$$

Ans = 12.6144

e.  $56.2 \div 5000$

$$\begin{array}{r}
 2512 \times 5000 \\
 \hline
 12560000
 \end{array}$$

$$\begin{array}{r}
 32 \\
 64 \\
 \hline
 256 \\
 \hline
 5000
 \end{array}$$

$$\begin{array}{r}
 1 \\
 \hline
 5000 \\
 1250 \\
 \hline
 625
 \end{array}$$

$$2 \frac{56}{5000} = \frac{32}{3125} = 0.01024$$