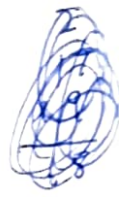


Decimal Fractions

Worksheet:

- 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 265.356, .356 is the decimal part.
- d. A decimal point separates a whole number from a decimal fraction.
- e. If two decimal fraction have equal number of decimal places they are called like decimal fractions.
- f. Rounding off of 9.563 to the nearestths, we get 9.53.



a. Two fifteenth is the number name for 2.50.

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

i. $0.3269 \times 1000 = \underline{326.9}$.

j. If $245 \times 21 = 5145$, then $24.5 \times 21 = \underline{514.5}$.

~~7. Do as directed~~

2.a. Ans - 12.02, 20.12, 21.12

b. Ans - $1000 + 200 + 500 + 2 + 0.2 + 0.03 + 0.006$

c. $\frac{17}{25} = \frac{17 \times 4}{25 \times 4} = \frac{68}{100} = 0.68$

d. Ans 56.20, 36.23, 36.02

e) Ans $9.23 = \frac{923}{100} = 9 + \frac{23}{100} = 9 + \frac{4}{25}$
 $= 9\frac{1}{25}$

3.a

$$\begin{array}{r} 10.100 \\ 100.010 \\ 11.110 \\ + 101.011 \\ \hline 229.231 \end{array}$$

b

$$\begin{array}{r} 1200.00 \\ - 1050.36 \\ \hline 149.64 \end{array} \quad \begin{array}{r} 1200.00 \\ + 1050.36 \\ \hline 2250.36 \end{array}$$

c. So, 2250.36 should be subtracted from 1200 to get 1050.36.

$$200 - 236.45 - 236.45 - 589.963 + 0.36559 = \cancel{2000} + \cancel{236.45}$$

$$2000 + 236.45 - 589.963 - 0.36559$$

2000.000	589.963 ⁵¹²
<u>+ 236.450</u>	<u>- 0.36559</u>
4364.450	553.403

5

C, ~~20~~ ~~2000~~

2000	1111
+ 0.365	589.963
2000.0000	<u>+ 236.450</u>
<u>+ 0.3659</u>	826.413
2000.3659	

$$= 2000.3659$$

$$+ 826.4130 = 1173.9529$$

$$\underline{1173.9529}$$

$$\begin{array}{r}
 \cancel{2} \cancel{3} \\
 \cancel{2} \cancel{2} \cancel{3} \\
 d. \quad 3.456 \quad \text{Ans} = 12,61440 \\
 \times \quad 3.65 \\
 \hline
 17280 \\
 207360 \\
 1036800 \\
 \hline
 1261440
 \end{array}$$

e. ~~5000~~ $50.00 \overline{) 51.20000}$ 0.01024

$$\begin{array}{r}
 0 \\
 \hline
 51 \\
 \underline{0 } \\
 51 \\
 \underline{50 } \\
 1 \\
 \\
 \hline
 12 \\
 \underline{10 } \\
 2 \\
 \underline{2 } \\
 0
 \end{array}$$