

Worksheet - 1

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27.11.21

Chapter - 10 Decimal Fractions

Date _____

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1. Fill in the blanks:

(i) A decimal fraction, fraction whose denominator is 10 or multiple of 10 is a decimal fraction.

(ii) $\frac{133}{10}$ can be written as 13.3 in decimal.

(iii) In 1265.356 , $.356$ is the decimal part and 1265 is the integral part.

(iv) A decimal point separates a whole number from a decimal fraction.

(v) If two decimal fraction have unequal number of decimal places, they are called unlike decimal fraction.

(vi) Rounding off 9.563 to the nearest hundredths, we get 9.600.

g) Two fifteenth is the number name for 2.15.

h) When multiplying a decimal number by 100 the decimal point will move to 2 places right

i) $0.3269 \times 1000 = \underline{3.269}$

2. Do as directed:

a) Arrange in ascending order using $>$ or $<$:

~~12.02~~ 12.02, 21.12, ~~20.12~~ 20.12

Ans $12.02 < 20.12 < 21.12$

b) Write in expanded form:
1253.236

Ans $1000 + 200 + 50 + 3 + .2 + .03 + .006$

i. Convert to decimal: $\frac{17}{25}$

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

$$\begin{array}{r} 25 \overline{) 17} \\ \underline{- 0} \\ 170 \\ \underline{- 150} \\ 200 \\ \underline{- 200} \\ 0 \end{array}$$

ii. Arrange in descending order:
36.23, 56.20, 36.02

Ans $56.20 > 36.23 > 36.02$

iii. Convert to fraction: 9.23

Ans = $\frac{9.23}{100}$

3.

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

Ans = 10.100, 100.010, 11.110, 101.011

$$\begin{array}{r}
 = 10.100 \\
 100.010 \\
 11.110 \\
 + 101.011 \\
 \hline
 222.231
 \end{array}$$

Q: How much should be subtracted from 1200 to get 1050.36

Ans. Subtracted ~~to~~ = 1200.00
 1200 and 1050.36 $\begin{array}{r} - 1050.36 \\ \hline 149.64 \end{array}$

So, 149.64 should be subtracted from 1200 to get 1050.36.

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

$$2000 + 0.3659 - 589.963 + 236.45$$

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

$$= 1173 \cdot 9529$$

vi. Find the value: 3.456×3.65
 $= 12.61440$

$$\begin{array}{r} 3.456 \\ \times 3.65 \\ \hline 17280 \\ 207360 \\ +1036800 \\ \hline 12.61440 \end{array}$$

vii. Divide: $51.2 \div 5000 = 0.0124$

$$= 5000 \overline{) 51.2}$$

$$\begin{array}{r} \downarrow \\ - 0 \\ \hline 512 \\ - 0 \\ \hline 5120 \\ - 5000 \\ \hline 1200 \\ - 1000 \\ \hline 2000 \\ - 2000 \\ \hline 0 \end{array}$$