

ch-10

DECIMAL FRACTIONS

SCHOLAR

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1. Fill in the blanks:-

(a) A decimal fraction is a fraction whose denominator is 10 or multiples of 10

(b) $\frac{133}{10}$ can be written as 13.3

(c) In 1265.356, .356 is the decimal part

(d) A decimal point separates a whole number of decimal fractions.

(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 9.56

(g) Two fifteenths is the number name of for 2.15

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

(i) $0.3269 \times 1000 = 326.9$

(j) If $245 \times 21 = 5145$, then $24.5 \times 21 = 514.5$

2) DO as directed →

(a) Ans) $12.02 < 20.12 < 21.12$

(b) Ans) $1253.236 = 1000 + 200 + 50 + 3 +$

$0.2 + 0.03 + 0.006 = 1000 + 200 + 50$

~~(c) Ans)~~ $3 + \frac{2}{10} + \frac{3}{100} + \frac{6}{1000}$

(c) convert to decimal,

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

$$d) 56.20, 36.23, 36.02$$

$$e) 9.23 = \frac{923}{100}$$

3)

a) add

$$10.100$$

$$100.010$$

$$11.110$$

$$+ 101.011$$

$$222.231$$

$$c) 222.231$$

~~$$b) 1050.36$$

$$+ 1200$$~~

$$b) \quad 1050.36$$

$$+ 1200$$

$$2250.36$$

$$2250.36$$

$$- 1200$$

$$1050.36$$

Ans) 2250.36 should be subtracted from 1200
to get 1050.36

c) simplify

$$2000 - 236.45 - 589.963 + 0.3659$$

$$\text{Ans) } = 2000 + 0.3659 - (236.45 + 589.963)$$

$$= 2000.3659 - 826.413$$

$$= 1173.9529$$

