

Chapter- 9

Fractions

WORKSHEET

1. Fill in the blanks :

a) Fractions with different denominators are unlike fractions.

b) A mixed number is a combination of a whole number and a proper fraction.

c) A fraction greater than 1 is always a/an improper fraction.

d) In $\frac{17}{18}$, the numerator is 17.

e) The lowest term of $\frac{10}{10}$ is 1.

f) 5, one-fifth make a whole.

g) There are 9 halves in $4\frac{1}{2}$.

h) A proper fraction is always less than 1.

i) Fractions with the same denominator are like fractions.

jj) The numbers such as half, one-third, one-fourth, two-fifth, five-sixth etc. are called Rational numbers.

2. Do as directed :

a) Find $\frac{3}{5}$ of 25.

Ans. $\frac{95}{1} \times \frac{5}{3} = \frac{195}{3} = 41\frac{2}{3}$

b) Express $\frac{19}{2}$ as mixed number.

Ans.
$$\begin{array}{r} 2 \sqrt{19} \\ \underline{18} \\ \hline 1 \end{array} = 9\frac{1}{2}$$

c) Express $6\frac{2}{9}$ as improper fraction.

Ans. $6 \times 9 + 2 = 56$

$\therefore \frac{56}{9}$

d) Simplify: $\frac{3}{5} + \frac{1}{2} - \frac{3}{4}$

Ans.
$$\begin{aligned} & \frac{3 \times 4}{5 \times 4} + \frac{1 \times 10}{2 \times 10} - \frac{3 \times 5}{4 \times 5} \\ &= \frac{12}{20} + \frac{10}{20} - \frac{15}{20} \\ &= \frac{22}{20} - \frac{15}{20} = \frac{7}{20} \end{aligned}$$

$$\begin{array}{r} 2 | 5, 2, 4 \\ 5 | 5, 1, 2 \\ 2 | 1, 1, 1 \\ \hline 1, 1, 1 \end{array}$$

L.C.M. = 20

e) A ribbon measuring $3\frac{1}{2}$ m is cut into 7 pieces. What is the length of each piece?

Ans. A ribbon measuring $= 3\frac{1}{2} = \frac{7}{2}$

Pieces cutted = 7

Length of each piece $= \frac{7}{2} \div 7 = \frac{7}{2} \times \frac{1}{7} = \frac{1}{2}$ m.

Hence, The length of each piece ribbon is $\frac{1}{2}$ m.

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