

CHAPTER : 9

FRACTIONS WORKSHEET.

No: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 $\frac{1}{1}$.

f. $\frac{4}{5}$, one-fifth make a whole.

g. There are 2.5 halves in $4\frac{1}{2}$.

h. A proper fraction is always less than 1.

i. Fractions with same denominator are like fraction.

j. The numbers such as half, one-third, one-fourth, two-fifth, five-sixth etc. are called fractions number.

No:2 Do as directed :

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

$$\Rightarrow \frac{3}{5} \times 25 = 15 \text{ (Answer)}$$

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

$$\Rightarrow 2 \overline{)19} \begin{array}{r} 9 \\ 18 \\ \hline 1 \end{array} \Rightarrow 9 \frac{1}{2} \text{ (Answer)}$$

c. Express $6 \frac{1}{9}$ as improper fraction.

$$\Rightarrow 6 \frac{1}{9} \Rightarrow 9 \times 6 + 1 \Rightarrow \frac{55}{9} \text{ (Answer)}$$

d. Compare and put the correct symbol ($<$, $>$ or $=$)

$$\boxed{\frac{3}{4} > \frac{2}{5}}$$

No:3. Solve as per the given instructions:

a. Add: $2 \frac{5}{13} + \frac{7}{13} + 3 \frac{9}{26}$

$$\Rightarrow \frac{31}{13} + \frac{7}{13} + \frac{87}{26}$$

$$\Rightarrow \frac{62 + 14 + 87}{26}$$

$$\Rightarrow \frac{163}{26} \text{ (Answer)}$$

b. Subtract: $5 \frac{7}{9}$ from $9 \frac{5}{7}$

$$\Rightarrow \frac{52}{9} - \frac{68}{7}$$

$$\Rightarrow \frac{68}{7} - \frac{52}{9}$$

$$\Rightarrow \frac{612 - 364}{63} = \frac{248}{63} \text{ (Answer)}$$

c. Multiply : $\frac{2}{5} \times \frac{3}{4} \times \frac{1}{2} = \frac{3}{20}$ (Answer)

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

$$\Rightarrow \frac{6 + 5}{10} - \frac{3}{4}$$

$$\Rightarrow \frac{11}{10} - \frac{3}{4}$$

$$\Rightarrow \frac{22 - 15}{20} = \frac{7}{20}$$

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

A. Total ribbon measurement = $3\frac{1}{2}$ m = $\frac{7}{2}$ meter.

$$\frac{7}{2} \text{ meter cut into 7 pieces} = \frac{7}{2} \div 7 = \frac{7}{2} \times \frac{1}{7} = \frac{1}{2}$$
$$= 0.5 \text{ meter}$$

\therefore The length of each piece is 0.5 meter.

