

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 mixed 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.
- (j) The numbers such as half, one-third, two-fifth, five-sixth etc. are called unit numbers.

2. Do as directed.

- (a) find $\frac{2}{5}$ of 25.

Ans. $\frac{3}{5}$ of 25
 $= \frac{3}{5} \times 25$
 $= 3 \times 5$
 $= 15$ (Ans)

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

Ans. To express $\frac{19}{2}$ as a mixed no. we need to
 $19 \div 2 = 9 = 9 \text{ R} = 1 = 9\frac{1}{2}$

(c) Express $6\frac{2}{9}$ as improper fraction.
 To express $6\frac{2}{9}$ as improper fraction we need to
 $(6 \times 9) + (2 + 0) = 56$

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

(Ans) $\frac{3}{4} > \frac{2}{5}$

(e) Reduce $\frac{18}{42}$ to its lowest form

Ans. $\frac{18}{42} \div \frac{2}{2} = \frac{9}{21} \div \frac{3}{3} = \frac{3}{7}$

$\therefore \frac{3}{7}$ is the lowest term of $\frac{18}{42}$.

3. Solve as per the given instructions.

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

Ans. $\frac{31}{26} + \frac{14}{26} + \frac{82}{26} = \frac{31+14+82}{26} = \frac{127}{26} = 4\frac{23}{26}$

(b)

(b) Subtract $5\frac{7}{9}$ from $9\frac{5}{7}$

$$\text{Ans: } \frac{364}{63} + \frac{612}{63} = \frac{364+612}{63} = \frac{976}{63}$$

$$= \frac{976}{63} = 7.42 = 7.76 = 774.69\%$$

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

$$\frac{2}{5} \times \frac{3}{4} \times \frac{1}{2} = \frac{3}{20}$$

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

$$\text{Ans: } \frac{12}{20} + \frac{10}{20} - \frac{15}{20} = \frac{7}{20}$$

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

Ans: Length of the ribbon = $3\frac{1}{2}$ m

$$\text{Length of } \frac{1}{7} \text{ of the ribbon} = \frac{7}{2} \div 7$$

$$= \frac{7}{2} \times \frac{1}{7} = \frac{14}{2} = 7$$