

- (a) Fraction with different denominator are unlike fractions.
- (b) A mixed number is a combination of whole numbers 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 8 halves in $4\frac{1}{2}$.
- (h) A proper fraction is always less than 1.
- (i) Fraction with same denominator are called like fraction.
- (j) ~~The numbers such as half, $1-\frac{3}{5}$, $1-\frac{4}{5}$, $2-\frac{5}{5}$,~~
- (j) The number such as half, one-third, one-fourth, two-fifth, ~~five~~ five-sixth etc. are called equivalent fractions.

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

Ans $\frac{3}{5} \times 25 = 15$

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

Ans $\frac{19}{2} = 8\frac{3}{2}$

(c) Express $86\frac{2}{9}$ as improper fraction.

Ans $86\frac{2}{9} = \frac{56}{9}$

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

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

Ans $\frac{18}{42} = \frac{18 \div 6}{42 \div 6} = \frac{3}{7}$

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

Ans $\frac{31}{13} + \frac{7}{13} + \frac{78}{26}$

L.C.M of 13, 13, and 26 are = $13 \times 2 = 26$

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

$$\frac{31}{13} + \frac{7}{13} + \frac{87}{26} = \frac{806}{26} + \frac{182}{26} + \frac{1131}{26}$$

$$= \frac{2119}{26}$$

$$= 81 \frac{13}{26}$$

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

$$\frac{52}{9} - \frac{68}{7} = \frac{68}{7} - \frac{52}{9} = \frac{612 - 364}{63}$$

$$= \frac{68 - 52}{63} = \frac{248}{63} = 3\frac{59}{63}$$

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

$$= \frac{2 \times 3 \times 1}{5 \times 4 \times 2} = \frac{6}{40}$$

Date: _____
Page No: _____

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

Ans L.C.M of 5, 2, 4 = 20

$$\frac{3}{5} + \frac{1}{2} - \frac{3}{4}$$

$$= \frac{3}{4} + \frac{1}{10} - \frac{3}{5} = 0$$

$$= \frac{12 + 10 - 15}{20} = \frac{22 - 15}{20} = \frac{7}{20}$$

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

Ans A ribbon measuring $3\frac{1}{2}$ m cut into 7 pieces

~~the length~~ length of length of each pieces = $\frac{7}{7}$

$$= \frac{3\frac{1}{2}}{7} = \frac{7}{2} \times \frac{1}{7} = \frac{7}{14} = 2$$

So the length of each pieces is 2