
Addition and Subtraction of fraction and decimals

A part of whole is known as a fraction. A fraction is expressed in Numerator/Denominator.

Eg. '4/9' where 4 is numerator and 9 is denominator.

Types of Fraction:

1) Proper fraction: A fraction whose numerator is less than its denominator.

Eg: 9/11, 50/59 etc.

2) Improper Fraction: A fraction whose numerator is more than or equal to its denominator.

Eg 18/7, 64/61, 52/52.

3) Mixed Fraction: A fraction which is expressed as sum of a number and a proper fraction.

4) Decimal Fraction: A fraction whose denominator is 10 or multiple of 10.

Eg. 7/10, 8/100 etc

5) Vulgar fraction: A fraction whose denominator is different from 10 or multiple 10.

Eg 8/15, 9/16 etc

7) Like Fractions: Fractions having same denominator are called like fractions.

eg; 7/11, 14/11, 16/11 etc

8) Unlike Fraction: Fractions having different denominator are called unlike fractions.

Eg: 8/13, 27/38 etc.

Addition of fractions:

1) Having Equal Denominator: Just add the Numerator and write the denominator.

Eg: $\frac{7}{8} + \frac{6}{8}$

$$= \frac{13}{8}$$

2) Having unequal denominator: firstly take the LCM and solve the question

or

convert fraction into like fraction and solve.

eg. $\frac{4}{9} + \frac{6}{4}$

$$= \frac{16}{36} + \frac{54}{36}$$

$$= \frac{70}{36}$$