To add two or more fractions, their denominators have to be same. If the fractions got the same denominators already add the numerators and write the common denominator as the new denominator. If the fractions got different denominators then you have to make them same by finding lcm of the denominators.

Adding fractions with the same denominators

Example 1: Add $\dfrac{4}{7}$ and $\dfrac{2}{7}$

Solution:

Write both of the fractions using the addition symbol as shown below:

$$\dfrac{4}{7} + \dfrac{2}{7}$$

As the denominators of both the fractions are same, just add both the numerators to get the new numerator and keep the common denominator of the fraction as the new denominator.

$$\dfrac{4+2}{7} = \dfrac{6}{7}$$

Note: *When adding fractions, you need the same denominators, and once the denominators are same then* add *the* numerators *to get the new numerator. The denominator stays the same.* Never, ever add denominators.

Example 2: Find the sum $\dfrac{5}{9} + \dfrac{2}{9}$

Solution: $\dfrac{5}{9} + \dfrac{2}{9} = \dfrac{7}{9}$