

**Fractions**

**Adding or subtracting like fractions**

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Addition of Like Fractions

* Since like fractions have the same denominator, we retain the denominator in the final answer.
* We add the numerator to get the numerator of the final fraction.

Subtraction of Like Fractions

* Since like fractions have common denominator, we retain the denominator in the denominator.
* The numerators are subtracted to get the numerator of the final fraction.

Problem: Solve:  1/18  + 1/18

Solution:

* The fractions have a common denominator.
* The denominator of the value 18 is retained.
* The numerators are added to get the numerator of the final fraction. The sum of the numerators is: 1+ 1 =2.
* Hence, the final fraction is 2/18.

Problem: Solve:  7/7 - 5/7

Solution:

The fractions have a common denominator.

The denominator of the value 7 is retained.

The numerators are subtracted to get the numerator of the final fraction. The subtraction of the numerators is: 7-5 =2.

Hence, the final fraction is 2/7.

Problem :  Peter was given 5/7 of a basket of balls. What fraction of balls was left in the basket?



Solution:

Let the total number of balls be = 1

This can be written as 7/7 also since 7/7 =1.

The fraction of balls given to Peter = 5/7

The fraction of balls left in the basket = Total number of balls – Fraction of  balls given to Peter

= 1- 5/7

We can write 1 as 7/7 as this would convert both fractions into like fractions.

= 7/7 -5/7

= (7-5)/7

= 2/7

Thus, the fraction of balls left in the basket is 2/7.