## **Addition & Subtraction**

When the sign of numbers are same then we do addition and when the signs of numbers are different then we do subtraction.

In addition, we use the same sign, that is with the numbers.

In subtraction we use the sign of larger number.

Example: 378 + 589 - 123 = ?

**Solution :** 

Step 1 :

Here the sign of 378 and 589 is same, that is +

So we add 378 and 589

378 + 589 = 967

Step 2 :

378 + 589 - 123 becomes 967 - 123 the sign of 967 and 123 are different.

So we do subtraction.

So final answer is + 844.

	9	6	7
-	1	2	3
+	8	4	4

We use + sign, because + sign is with larger number (967).

Now we can learn about addition and subtraction of number at same time. Look at another example.

3538 + 5324 - 2357 + 1083 - 4520

Here are some numbers which have '+' sign before them or no sign (i.e. first number). Also some signs have '-' sign before them.

First we add all '+' sign sums.

= 3538 + 5324 + 1083

	3	5	3	8
+	5	3	2	4
+	1	0	8	3
	9	9	4	5

Then, we add sum of the numbers with '-' sign before them.

= 2357 + 4520

	2	3	5	7
+	4	5	2	0
	6	8	7	7

Now, we subtract the second sum from the first sum.

= 9945 - 6877

	9	9	4	5
-	6	8	7	7
	3	0	6	8

Hence, 3538 + 5324 - 2357 + 1083 - 4520 = 3068