

## Precedence and Expression

- The way we can write the following Mathematic formulas in c++ is as follows with the applied condition of precedence.

Operator	Assumed Precedent
( )	3
* , / , %	2
+ , -	1

Area of Triangle -  $A = \frac{1}{2} (b \times h)$  // Mathematics

Area of Triangle -  $A = 0.5 * (b * h)$  // C++

Perimeter of Rectangle -  $P = 2(l + b)$  // Mathematics

Perimeter of Rectangle -  $P = 2 * (l + b)$  // C++

Sum of n terms -  $S = \frac{n(n+1)}{2}$  // Mathematics

Sum of n terms -  $S = n * (n + 1) / 2$  // C++

nth term of A.P series -  $t = a + (n - 1) d$  // Mathematics

nth term of A.P series -  $t = a + (n - 1) * d$  // C++