Simplification Quick Maths Formulas

'BODMAS' Rule

Through this rule, you can understand the correct sequence in which the operations are to be executed and this rule depicts the correct sequence in which the operations are to be executed and the sequence can be evaluated.

Here are some rules of simplification given below-

1. B – Bracket

(First of all remove all the brackets strictly in the order (), {} and || and after removing the brackets, you can follow the below sequence)

2. O – Of

3. D - Division

4. M – Multiplication

5. A - Addition and

6. S - Subtraction

Modulus of a Real Number

Modulus of a real number a is defined as

$$|a| = \begin{cases} a, \text{ if } a > 0 \\ -a, \text{ if } a < 0 \end{cases}$$

Thus, $|5| = 5$ and $|-5| = -(-5) = 5$.

Vinculum (or Bar)

When an expression contains Vinculum, before applying the 'BODMAS' rule, we simplify the expression under the Vinculum.