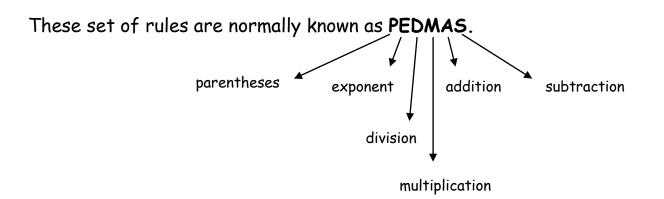


When we have a mathematical expression where more than one operations is involved, we tend evaluate the problem is a specific order.

- 1. **Parentheses ()** first of all solve what's within the brackets i.e carry out the operations within them.
- 2. Exponents a² then solve the exponents, if you have any in the expression.
- 3. Division & Multiplication after that perform multiplication and division operations in the expression starting from *left to right*.
- 4. Addition & Subtraction lastly perform addition and subtraction operations in the expression starting from *left to right*.



Example: Solve the expression following the correct order of operations.

6 + (3 × 4) ÷ 4 - 5

Solution:

6 + 12 ÷ 4 - 5 (solve what's in the brackets) = 6 + 3 - 5 (then divide) = 9 - 5 (then add) = 4 (finally subtract)

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