

Order of Operations

The ORDER OF OPERATIONS rule guarantees that each numerical expression has a unique value.

First: Do all multiplication & divisions from left to right.

Second: Do all additions and subtractions from left to right.

1.1 (Page 15) Order of Operations Example: Find the value of each expression. $7 \times 3 + 5$ 21 + 526





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The order of operations can be changed by using grouping symbols such as parentheses () and brackets [].

For example, the value of the expression (2 + 6) × 3 changes with and without the parentheses:





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Order of Operations

The order for performing the operations in an expression is summarized as follows:

- 1. Do all operations within grouping symbols first. Start with the innermost grouping symbols.
-)]
- 2. Next, do all multiplications and divisions from left to right.
 - Then, do all additions and subtractions from left to right.





