### 1.1 Order of Operations \& Formulas

Use the order of operations to evaluate a numerical expression.
$>$ Use a calculator to evaluate a numerical expression.
$>$ Use the order of operations to evaluate a formula.

## Order of Operations

Mathematics is a language. In this language, numbers are the nouns. The operations,,$+- \times, \div$, and exponentiation are the verbs. The order of operations is a set of rules that tells you which operations have priority.

## Order of Operations

1. Perform operations in Parentheses.
2. Evaluate numbers with Exponents.
3. Multiply or Divide from left to right.
4. Add or Subtract from left to right.

## EXAMPLE 1 Using Order of Operations

From June through April, on an equal-payment plan, you pay $\$ 110$ each month on your electric bill. How much do you owe in May?


You owe $\$ 78.71$ in May.
Checkpoint
Help at Math.andYOU.com

Suppose you paid $\$ 95$ per month. How much would you owe in May?

