

**NOTE: Substitute assigned values into variable expressions and evaluate using order of operations (5.A.3)**

When an expression contains more than one operation, you can get different answers depending on the order in which you solve the expression. Mathematicians have agreed on a certain order for evaluating expressions, so we all arrive at the same answers. We often use grouping symbols, like parentheses, to help us organize complicated expressions into simpler ones. Here's the order we use:

1. First, do all operations that lie inside parentheses.
2. Next, do any work with exponents.
3. Working from left to right, do all multiplication and division.
4. Finally, working from left to right, do all addition and subtraction.

### Practice

Please complete each problem. Be sure to show your work.

1.  $(3 + 9) \times 7$
2.  $8 + 2 \div (6 - 5) \times 3$
3.  $4 - (7 + 9 + 8)$
4.  $3 - (6 + 9) \times 2$
5.  $3 \times 4 \times (3 - 2) + 6$