Lesson 10: Writing and Expanding Multiplication Expressions

Classwork

**Example 1**

Write each expression using the fewest number of symbols and characters. Use math terms to describe the expressions and parts of the expression.

**Example 2**

To expand multiplication expressions we will rewrite the expressions by including the “” back into the expressions.

Example 3

* 1. Find the product of .
  2. Multiply .
  3. Double the product of and .

Problem Set

Lesson Summary

**An Expression in Expanded Form:** An expressionthat is written as sums (and/or differences) of products whose factors are numbers, variables, or variables raised to whole number powers is said to be in *expanded form*. A single number, variable, or a single product of numbers and/or variables is also considered to be in expanded form.

**AN EXPRESSION IN STANDARD FORM:** An expression that is in expanded form where all like-terms have been collected is said to be in *standard form.*

1. Rewrite the expression in standard form (use the fewest number of symbols and characters possible).
2. Write the following expressions in expanded form.
3. Find the product.