

Learning Objective: Students will be able to use the order of operations to evaluate a numerical expression.

Lesson 1.3

September 11, 2014

Essential Question What is the effect of inserting parentheses into a numerical expression?

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September 11, 2014

Lesson Objective:

Students will be able to:

use the order of operations to evaluate a numerical expression.

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Self-Evaluation Scale

Score	Description
4	I can teach other students how to use the order of operations to evaluate a numerical expression.
3	I can use the order of operations to evaluate a numerical expression.
2	I recognize, but still need help to use the order of operations to evaluate a numerical expression.
1	I do not know how to use the order of operations to evaluate a numerical expression.

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Numerical Expression

an expression that contains only numbers
and operations

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Evaluate

to find the value of

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Order of Operations

a set of rules to evaluate a mathematical expression

$$\begin{array}{l} 3 + 5 \times 6 \\ 3 + 30 \\ \textcircled{33} \end{array}$$

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P.E.M.D.A.S.

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PEMDAS

Key Idea

Order of Operations

1. Perform operations in **P**arentheses.
2. Evaluate numbers with **E**xponents.
3. **M**ultiply or **D**ivide from left to right.
4. **A**dd or **S**ubtract from left to right.

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Assignment

Complete problems:

6, 8, 10, 12, 14, 15, 16, 18, 19, 24, 29, 30, & 31
on pages 20 & 21 in your Big Ideas Text Book.

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September 12, 2014

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Homework

Worksheet 1.3 Pracce