

Order of Operations

6th Grade Mathematics

Mr. Wong

Order of Operations

Please Excuse My Dear Aunt Sally

Please - Parenthesis () []

Excuse - Exponents ^a

My Dear - Multiplication and Division
from left to right

Aunt Sally - Addition and Subtraction
from left to right

Example 1: Simplify each expression.

$$6 \cdot 2 + 4$$

$$12 + 4$$

$$16$$

Example 2: Simplify each expression.

$$3(7 + 4)$$

$$3(11)$$

$$33$$

Example 3: Simplify each expression.

$$4 \div 4 \cdot 4 + 4 - 4$$

$$1 \cdot 4 + 4 - 4$$

$$4 + 4 - 4$$

$$8 - 4$$

$$8 + -4$$

$$4$$

Example 4: Simplify each expression.

$$[6(4 + 1) - 5]$$

$$[6(5) - 5]$$

$$[30 - 5]$$

$$[30 + -5]$$

$$25$$

Example 5: Simplify each expression.

$$5 - 2 + 3 \cdot 7$$

$$5 + -2 + 3 \cdot 7$$

$$5 + -2 + 21$$

$$3 + 21$$

$$24$$

Order of Operations

The End!