

## Objective

By the end of this lesson, you will be able to confidently solve complex math problems using the order of operations.

## Materials and Prep

Materials: Paper, pencil, and a calculator (optional)

Prep: Make sure you understand the basic operations of addition, subtraction, multiplication, and division.

## Activities

- **Create Your Own PEMDAS Song:** Write a catchy song or rhyme to remember the order of operations (Parentheses, Exponents, Multiplication and Division, Addition and Subtraction).
- **Order of Operations Challenge:** Solve a set of math problems using the correct order of operations. Time yourself to see how fast you can complete them!
- **Math Scavenger Hunt:** Create a list of math problems for your family members to solve using the order of operations. Reward them with small prizes for correct answers!

## Talking Points

- "Imagine the order of operations as a set of rules that tell us which calculations to do first in a math problem. It's like following a recipe step by step."
- "Parentheses come first because they group numbers together. Think of them as a way to tell us which numbers to work with first."
- "Exponents are like superpowers for numbers! They show us how many times a number should be multiplied by itself."
- "Multiplication and Division have the same priority, so we work from left to right. Remember to do these before Addition and Subtraction!"
- "Always double-check your work and make sure you follow the order of operations correctly. It's like solving a puzzle - each step leads you closer to the final answer!"