

Name \_\_\_\_\_

## Unraveling the Mystery of the Order of Operations

### Short Answer Key

1. PEMDAS stands for Parentheses, Exponents, Multiplication and Division, Addition and Subtraction. It's important because it provides a set of rules to determine the sequence of operations in mathematical expressions.
2. Parentheses indicate that the operations within them should be performed first, regardless of the order of operations outside the parentheses.
3. They are executed from left to right, regardless of which operation comes first.
4. An example is  $2^3$ , where 2 is raised to the power of 3, resulting in 8.
5. It's important to ensure consistency and accuracy in calculations and to obtain the correct result.

