## Order Of Operations

The order of operations is a special rule in mathematics that tells us what operation we must do first.

Steps:
1: Do operations in Parentheses and other grouping symbols first. If there
are grouping symbols within other grouping symbols do the
innermost one
first.
2: Then Exponent
3: Then Multiplication or Division from left to right. 4: And then Addition or Subtraction from left to right

A popular Acronym to Help you Remember the order of operations
( PEMDAS ) Please Excuse My Dear Aunt Sally
(Parenthesis), Exponents, Multiply and Divide, Add and Subtract)

Example: Simplify the expression by using the order of operations.

$$
(8+4+3) \div 3-2
$$

Do the Parentheses first, then do the division, then add or subtract from left to right.
$(15) \div 3-2$
$5-2=3$
Answer 3

The Math-A-Tube is dedicated to helping parents help their kids in math.

## Order Of Operations Examples

## Simplify each expression by using the order of operations.

1. $18 \div 9+32$
2. 11
3. $6 \div 2+1 \cdot 4$
4. 7
5. $18-23+3 \cdot 4$
6. 22
7. $(8+4+3) \div 3-2$
8. 3
9. $(8+4+5) \div(3-2)$
10. 17
11. $10 \div 5-22 \div 2$
12. 0
13. $40+24 \div 8-3+1$
14. 41
15. $(40+24) \div 8-(3+1)$
16. 4
17. $(27+18) \div 9-(3+1)$
18. 1

Watch order of operations videos, go to mathatube.com/order-of-operations.html

