EXPONENTS AND ORDER OF OPERATIONS

Word	My own description	Illustration/Example
Base		
Exponent		







ORDER OF OPERATIONS

PEMDAS: You have to solve problems in this order. If the step isn't part of the problem, skip it.

- **P**arentheses (the INSIDE of them)
- Exponents
- **M**ultiplication and **D**ivision
- Addition and Subtraction

When you are calculating the parts of one step, always go from left to right. But make sure you don't mix up the order of the steps!

Examples:

$6 \cdot 2 \div 3 + 8 \cdot 4 \div 2$	$2\cdot 5^2$
120 - 5 ² (8 - 6)	$\frac{5^2 - 4}{3 + 4}$ (remember that a fraction also means to divide!)

Parentheses: Always complete everything on the inside first, using the order of operations!



Algebra 1A Unit 1: Foundations of Algebra Assignment 3: Exponents and Order of Operations

Groups inside groups: Always work from the inside out. If there are multiple groups, do them

in this order:

- Parentheses ()
- Brackets []
- Braces { }

3[19 - (20 - 10 ÷ 2)]