Topic 3 Quiz Study Guide

GEMDAS

Know the order of operations.

Exponents

Each power has 2 parts. A base and an exponent.

The base tells you what factor you are using.

The exponent tells you how many times you are going to be multiplying the base

Exponent Rules

Any number raised to the power of zero has a value of 1.

Any number raised to the power of one has a value of itself.

4 Exponent

Prime Factorization

Use a factor tree to break down numbers into small chunks. Each one of these chunks needs to be a prime number. You stop breaking down a number when you get to a prime number. If you are dealing with a prime number like 5. The prime factorization is just one and itself. Example: The prime factorization of 5 is 1x5.

