1.1: Integers and Order of Operations

- 1. Define the integers
- 2. Graph integers on a number line.
- 3. Using inequality symbols < and >
- 4. Find the absolute value of an integer
- 5. Perform operations with integers
- 6. Use the order of operations agreement

Copyright © 2019 R. Laurie







Page 1 of 6





















Order of Operations = PEMDAS 1. Perform all operations within grouping symbols Parenthesis () { } [] 2. Evaluate all Exponential expressions. 3. Do all the Multiplications and Divisions in the order in which they occur, from left to right. 4. Finally, do all Additions and Subtractions in order in which they occur, from left to right. Simplify: 6² - 24 ÷ 2² · 3 + 1











Page 5 of 6





Least Common Multiple

- The LCM of two natural numbers is the smallest natural number that is divisible by all of the numbers
- 1. Write the prime factorization of each number
- 2. Select every prime factor that occurs, raised to the greatest power to which it occurs, in these factorizations
- 3. Form the product of the numbers from step 2. The least common multiple is the product of these factors



Copyright © 2019 R. Laurie