

Name: Key
Date: _____

Mr. Johnson
Math 8

Lesson 2.5 – Order of Operations with Integers

Think it out.....

What do you know already about Order of Operations?

(student response)

Discuss with a partner why Order of Operation with Integers are important. Write down what you talked about below.

Investigate:

Complete the investigate activity on pg. 90 in groups of 4. Once you have completed the activity complete the 'reflect & share' portion of the activity.

Notes:

In order to remember our order of operations we use the acronym:

B E D M A S

The B stands for doing brackets first. This means anything that has an operation being completed with brackets around it is done first.

The E stands for exponents. Exponents are done second.

The D stands for division and the M stands for multiplication.
They can be done in either order but normally we work from left to right on our page.

Lastly, the A stands for addition and the S stands for subtraction.
They can be completed in either order but are also completed from left to right.

Examples:

$$\begin{aligned} 1. \quad & 2 + 5 \times (-10) - 1 \\ & = 2 - 50 - 1 \\ & = -48 - 1 \\ & = -49 \end{aligned}$$

$$\begin{aligned} 2. \quad & \frac{[18 - (-6)] \times (-4)}{-2} \\ & = \frac{24 \times (-4)}{-2} \\ & = \frac{-96}{-2} \\ & = 48 \end{aligned}$$

3. Lets create a tough one as a class!

student response

Assignment:

Pg.92-93
#s 1-12, 16, 17