

Math Investigation Center

First Things First!

Unit of Study 1



Core Correlation: 5.OA.1

DOK: 3

Type of Activity: Writing About Math

Materials: Paper, pencil, computer

Introduction:

Does everyone know the order of operations used in math? Here is your chance to test your friends and family on their understanding of the order of operations.

Instructions:

- Write a quiz with two 5th grade level numerical expressions that require at least four steps of the order of operations to solve. You may find examples for 5th graders in Chapter 1 of your *Go Math* book.
- Have your teacher check the appropriateness of the problems.
- Solve the two problems on the quiz yourself correctly using the order of operations. Then solve the problems again and find the solutions people may obtain if they don't correctly use the order of operations.
- Give the quiz to at least 15 people that are in 5th grade or older. Try to find participants of many ages. Keep track of the name and age of each participant on their quiz.
- Score each quiz.
- Make a table of the test results for each problem.
- Write a paragraph describing your test results.
- Write a second paragraph describing some common mistakes people make when using the order of operations.

Assessment:

Grade will be determined by completion of the following:

- Quiz
- Tables of data
- Written paragraphs