Unit 4a-Write And Interpret Numerical Expressions

Content Area: **Math**
Course(s): **Math 5**
Time Period: **Marking Period 4**
Length: **MP4 Topic 13 13-1 to 13-4**
Status: **Published**

Essential Questions

- How is the value of a numerical expression found?

Big Ideas

- **Use the Order of Operations:** Students will apply the Order of Operation when evaluating, writing, and interpreting expressions. Students will use what they have learned about writing and evaluating expressions to solve problems.

CSDT Technology Integration

8.2.5.ED.3: Follow step by step directions to assemble a product or solve a problem, using appropriate tools to accomplish the task.

Activity:

1) Students will work independently in the IXL program to answer questions about Order of Operations. The specific skills in IXL related to this standard are O5 - O7. The program will track students progress and mastery of these skills.

2) Students will create their own phrase to remember the steps of the Order of Operations. The steps are Parenthesis, Exponents, Multiplication, Division, Addition, and Subtraction. A sample phrase might be, "Please Excuse My Dear Aunt Sally". Students will type their phrase in Google Classroom and find an image that goes along with their phrase. Ownership of their own phrase and a picture reminder might help them remember the steps.

Enduring Understandings

Operations and Algebraic Thinking

5.OA.A.1 [M] Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.

5.OA.A.2 [M] Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them. For example, express the calculation “add 8 and 7, then multiply by 2” as 2 x 2 (8 + 7). Recognize that 3 x (18932 + 921) is three times as large as 18932 + 921 without having to calculate the indicated sum or product..

Mathematical Practices Focus

2. Reason abstractly and quantitatively.