

G5 Playlist: Write and Interpret Numerical Expressions

Aligns with *CCSS.MATH.CONTENT.5.OA.A.2*: 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 $2 \times (8 + 7)$. Recognize that $3 \times (18932 + 921)$ is three times as large as $18932 + 921$, without having to calculate the indicated sum or product.*

Related Standards

- 5.OA.A.1: Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.

PREVIEW



Objectives

In this module, you will learn and practice the following skills:

- Interpreting numerical expressions by writing them in sentences
- Writing numerical expressions that show calculations

Let's get started!

Key Terms

- A **numerical expression** is a number sentence involving only numbers and one or more operations (addition, subtraction, multiplication, division).
- **Calculations** are operations performed on numbers (addition, subtraction, multiplication, and division).

PREVIEW



Write and Interpret Numerical Expressions

(5.OA.A.2)

A **numerical expression** is a number sentence involving only numbers and one or more operations (addition, subtraction, multiplication, division). **Calculations** are operations performed on numbers (addition, subtraction, multiplication, division).

If your students...

Don't understand the function of parentheses:

WATCH: Evaluating Expressions With and Without Parentheses

<https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-algebraic-thinking/cc-5th-writing-expressions-tut/v/evaluating-an-expression-with-and-without-parentheses>

Have problems constructing numerical expressions:

WATCH: Constructing Numerical Expressions

<https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-algebraic-thinking/cc-5th-writing-expressions-tut/v/constructing-numerical-expressions-example>

WATCH: Write Expressions to Represent Numerical Situations

https://learnzillion.com/lesson_plans/5656-write-expressions-to-represent-numerical-situations#fndtn-lesson

Have problems representing verbal descriptions of calculations:

WATCH: Write a Numerical Expression to Represent a Verbal Description of a Calculation

https://learnzillion.com/lesson_plans/5230-write-a-numerical-expression-to-represent-a-verbal-description-of-a-calculation#fndtn-lesson

For extra practice with numerical expressions:

PLAY: City Under Siege

<http://www.mathnook.com/math/city-under-siege.html>

