

Dear Parents,

We will begin our next unit of study in math soon. The information below will serve as an overview of the unit as you work to support your child at home. If you have any questions, please feel free to contact me. I appreciate your on-going support.

Sincerely,

Your Child's Teacher

Unit Name: Expressions

Common Core State Standards:

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

5.OA.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.

Essential Vocabulary:

- order of operations
- braces
- brackets
- parentheses
- expression
- equation

Unit Overview:

Order of operations is introduced in third grade and is continued in fourth. In Grade 5 students are expected to evaluate expressions with parentheses (), brackets [] and braces { }. Students need experiences with multiple expressions that use grouping symbols to develop understanding of when and how to use them. Students are required to place grouping symbols in equations to make the equations true. They will also work with exponents (powers of ten only). Students are expected to write expressions and describe the relationship between expressions without calculating them. Students will use the four operations as well as place value when describing the relationship between numbers. This unit does not include the use of variables, only numbers and signs for operations.

Strategies/Skills:

Students will evaluate expressions that have parentheses, brackets, and braces. They will be asked to place these grouping symbols in given equations to make them true. Students are expected to write expressions and describe the relationship between numbers.

- Matching cards: explanation of expression is matched to written expression
(Ex: multiply the sum of 5 and 3 by 4 ~ $4(5+3)$)

Video Support:

No videos referenced for this unit.

Additional Resources:

If you have limited/no internet access, please contact your child's teacher for hard copies of the resources listed in this document.

- NCDPI Unpacking Document: [5th Grade Unpacking Document](#)

Wake County Public Schools, Unit Overview for Parents

This document should not replace on-going communication between teachers & parents.