



Dear Fifth Grade Families,

In Unit 2, students will work on the following fifth grade Common Core standards in the Operations and Algebraic Thinking (OA) and Number and Operations in Base Ten (NBT) domains.

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.
5.NBT.5	Fluently multiply multi-digit whole numbers using the standard algorithm.
5.NBT.6	Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

Unit 2 Concepts:

- Symbols for Grouping
- Interpret and evaluate numerical expressions
- Multiply using area models, the distributive property, and algorithms
- Divide using area models, decomposing numbers with expanded notation, and algorithms.

Unit 2 Vocabulary:

- Parentheses
- Expressions
- Product
- Expanded Notation
- Bracket
- Digits
- Factor
- Area Model
- Braces
- Algorithm
- Decompose
- Dividend  $\div$  divisor = quotient

Ask questions like these to help your child become a productive mathematical thinker:

- How does the area model help you understand what is going on in the standard algorithms for multiplication and division ?
- Show me more than one way to multiply two numbers.

Need a review? Check out our lesson videos on-line!

**[swunmath.com/student-videos](http://swunmath.com/student-videos)**

If you don't know the class's special name, ask your child's teacher.

We encourage you to talk with your child daily about what was learned in math class.

Thank you for your support!