



Dear Sixth Grade Families,

In Unit 4, students will work on the following sixth grade Common Core standards in the Expressions and Equations (EE) domain.

6.EE.1	Write and evaluate numerical expression involving whole-number exponents.
6.EE.2	Write, read, and evaluate expressions in which letters stand for numbers.
6.EE.3	Apply the properties of operations to generate equivalent expressions.
6.EE.4	Identify when two expressions are equivalent.

Unit 4 Concepts:

- Write and evaluate numerical expressions with exponents
- Write expressions with variables
- Identify parts of an expression using mathematical terms
- Evaluate expressions with the Order of Operations
- Use Properties of Operations
- Identify two equivalent expressions

Order of Operations

Parenthesis ()

Exponents

Multiplication & Division

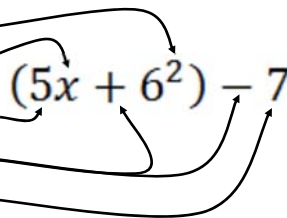
(from left to right in the order it appears)

Addition & Subtraction

(from left to right in the order it appears)

Unit 4 Vocabulary:

- Expression
- Exponent
- Variable
- Coefficient
- Operators
- Constant
- Terms: $5x$, 6^2 , 7



Using correct and accurate academic vocabulary to name terms in algebra is critical, and is a major part of this unit. When helping your child at home, please encourage correct and accurate math vocabulary.

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

- Is there a mathematical rule you can use to solve these problems?
- What property might apply in this problem?
- What are the parts of an expression?
- Why is it so important to follow the Order of Operations?
- What are some every-day experiences that could be represented with an expression?

Properties of Operations

Commutative Property

$6 + 2$ and $2 + 6$ both = 8

6×2 and 2×6 both = 12

Distributive Property

$5 \times 17 = 5 \times (10 + 7) = 5(10) + 5(7)$

Associative Property

$(1 + 2) + 3$ is the same as $1 + (2 + 3)$

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

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!