Dear Sixth Grade Families,

In Unit 5, students will work on the following sixth grade Common Core standards in the Expressions and Equations (EE) domain.

6.EE.5	Understand solving an equation or inequality equation.
6.EE.6	Use variables to represent numbers and write expressions.
6.EE.7	Solve real-world and mathematical problems with illustrations.
6.EE.8	Write an inequality and represent it on a number line.
6.EE.9	Use variables to represent two quantities using a graph and formulas.

Unit 5 Concepts:
- Generate and solve expressions and equations (involving addition, subtraction, multiplication, division)
- Generate and solve equations with independent and dependent variables.
- Write, model, and find solutions for inequalities
- Graph inequalities on a number line

Unit 5 Vocabulary:
- Expression
- Equation
- Independent variable
- Dependent variable
- Inequality

< less than, fewer than
> greater than, more than

$n > 1$
n does not include 1

Equation: a number sentence showing that two values are equal
$$n \times 3 = 6$$

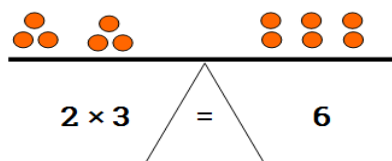**Inverse operation:** the operation that reverses the effect of another operation
$$\times \longleftrightarrow \div$$

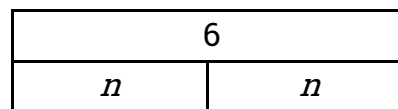**Fact family:** a group of numbers that form related equations

$2 \times 3 = 6$	$6 \div 3 = 2$
$3 \times 2 = 6$	$6 \div 2 = 3$

Scale model: both sides of the scale are equal in value

Tape-like diagram: each strip represents the values on each side of an equation

6	
n	n

Need a review?
Have your student login to Swun Math to access lesson support videos.

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