## Unit 6

Standards Review

## Grade 8 Math

## Unit Description:

Students will build fluency and continue to apply essential standards toward applications of concepts such as solving equations and solving systems of equations.

## Standards for Mathematical Practice

MP. 1 Make sense of problems and persevere in solving them.
MP. 2 Reason abstractly and quantitatively.
MP. 3 Construct viable arguments and critique the reasoning of others.
MP. 4 Model with mathematics.
MP. 5 Use appropriate tools strategically.
MP. 6 Attend to precision.
MP. 7 Look for and make use of structure.

## Louisiana Student Standards for Mathematics (LSSM)

## EE - Expressions and Equations

C. Analyze and solve linear equations and pairs of simultaneous linear equations.
8.EE.C. 7

Solve linear equations in one variable.
a. Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form $x=a, a=a$, or $a=b$ results (where $a$ and $b$ are different numbers).
b. Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.
*I can give examples of linear equations in one variable with one solution and show that the given example equation has one solution by successively transforming the equation into an equivalent equation of the form $x=a$.
*I can give examples of linear equations in one variable with infinitely many solutions and show that the given example has infinitely many solutions by successively transforming the equation into an equivalent equation of the form $a=a$.
*I can give examples of linear equations in one variable with no solution and show that the given example has no solution by successively transforming the equation into an equivalent equation of the form $b=a$, where $a$ and $b$ are different numbers.


