

# **INSTRUCTIONAL OBJECTIVES**

## **Math – First Quarter**

### **Eighth Grade**

The student will:

- Add, subtract, multiply, and divide integers
- Write and simplify exponents
- Apply the order of operations
- Distinguish commutative, associative and distributive properties
- Solve one-step, two-step equations
- Solve inequalities

# **INSTRUCTIONAL OBJECTIVES**

## **Math– Second Quarter**

### **Eighth Grade**

The student will:

- Graph ordered pairs
- Solve equations with two variables
- Graph linear equations (plotting points and slope-intercept form)
- Write numbers in scientific notation and standard form
- Multiply, divide powers with same base
- Apply rules of exponents

# **INSTRUCTIONAL OBJECTIVES**

## **Math - Third Quarter**

### **Eighth Grade**

The student will:

- Identify three dimensional solids and their parts
- Find surface area and volume of cylinders, prisms and pyramids
- Given formula, apply Pythagorean Theorem to find missing lengths of right triangles
- Express numbers in scientific notation and standard form
- Multiply and divide powers with the same base
- Identify prime and composite numbers
- Find greatest common factor
- Simplify fractions
- Compare and order rational numbers
- Compute with rational numbers
- Estimate square root of a number

# **INSTRUCTIONAL OBJECTIVES**

## **Math - Fourth Quarter**

### **Eighth Grade**

The student will:

- Express numbers as fractions, decimals and percents
- Solve percent problems by finding the part, percent or whole
- Compute percent of change (increase, decrease)
- Compute simple and compound interest, given the formula
- Use graphical displays to read and interpret data
- Choose the appropriate graphical display for a given data set
- Compute number of possible outcomes using permutations and combinations
- Find experimental and theoretical probability
- Compute the probability of independent and dependent events