

# **INSTRUCTIONAL OBJECTIVES**

## **Math – First Quarter**

### **Seventh Grade**

The student will:

- Add, subtract, multiply, divide decimals
- Compare and order integers
- Add, subtract, multiply, divide integers
- Apply the order of operations
- Use the properties of addition and multiplication
- Solve one and two step equations
- Solve inequalities

# **INSTRUCTIONAL OBJECTIVES**

## **Math – Second Quarter**

### **Seventh Grade**

The student will:

- Write numbers in scientific and standard forms
- Apply divisibility rules
- Simplify, compare and order fractions
- Solve problems involving patterns
- Add, subtract, multiply, divide fractions

# **INSTRUCTIONAL OBJECTIVES**

## **Math – Third Quarter**

### **Seventh Grade**

The student will:

- Identify basic geometric terms (point, line, segment, ray, plane)
- Classify angles (acute, obtuse, right, straight)
- Classify triangles (acute, obtuse, right, isosceles, scalene, equilateral)
- Classify quadrilaterals and polygons
- Identify parts of a circle
- Identify congruent and similar polygons
- Find perimeter and area of parallelogram, triangle, circle and irregular figures
- Identify parts of three dimensional solids
- Find surface area and volume of cylinders, prisms and pyramids
- Given formula, apply Pythagorean Theorem to find missing lengths of right triangles

# **INSTRUCTIONAL OBJECTIVES**

## **Math – Fourth Quarter**

### **Seventh Grade**

The student will:

- Express numbers as a percent, decimal or fraction
- Solve percentage problems by finding the part, percent, or whole
- Calculate an amount using a tax rate or commission
- Use graphical displays to read and interpret data
- Choose an appropriate graphical display for a given data set
- Find the probability of independent events
- Figure the possible number of outcomes using a tree diagram or the counting principle