

# 6th Grade Mathematics 1st Term Objectives

**Dear Parents,**

**I want to keep you informed of what your child will be learning and ways you can participate in your child's education process. Listed below are my teaching objectives for this first grading period are:**

## **Number Patterns and Algebra**

The student will be able to recognize, read, write and solve mathematical problems involving:

- Problem solving
- Patterns
- Prime factors
- The order of operation
- Variables and expressions
- Powers and exponents

## **Statistics and Graphs**

The student will be able to recognize, read, write and solve mathematical problems involving:

- Bar graphs
- Line graphs
- Circle graphs
- Stem-and-leaf plots
- Frequency tables
- Mean, median, and mode

## **Parental involvement:**

Encourage a positive attitude toward mathematics.

Set aside a place and time for homework.

Be sure your child understands the importance of mathematics achievement.

Stay informed with student performance using the internet and **Thinkwave** Technology.

## **Suggested Family Activities:**

Work with student on the internet and complete the daily parent and student studyguide work pages. Also complete the practice test with student. Website address is: [www.msmath1.net](http://www.msmath1.net)

# 7th Grade / I.N.A.T. Pre-Algebra 1st Term Objectives

**Dear Parents,**

**I want to keep you informed of what your child will be learning and ways you can participate in your child's education process. Listed below are my teaching objectives for the second grading period.**

*The student will be able to recognize, read, write, describe, analyze, and solve the mathematical concepts of:*

## **Sums and Differences**

- Symbols and Sums.
- Inequalities.
- Differences.
- Differences and the Order of Operations.
- Properties of Sums.
- Invariant Principles for Sums and Differences.

## **Increases and Decreases**

- Addition and Subtraction Operators.*
- Composition of Two Increases or Two Decreases.*
- Composition of an Increase and a Decrease.*
- Inserting Parentheses.*
- Removing Parentheses.*
- Simplifying Increases and Decreases.*

## **Products and Quotients**

- Multiplication.
- Division.
- Rules of Divisibility.
- Order of Operations.
- Properties of Products and Quotients.

## **Suggested Parental Involvement:**

Stay informed with student performance using the internet and *Thinkwave* Technology.

## **Suggested Family Activities:**

Help student with online extra credit opportunities. Student can write research reports on many topics. All information is posted on school website: [www.monroe.k12.tn.us/rv](http://www.monroe.k12.tn.us/rv)

Once on the website, go to **Faculty** and then to **Mr. Hicks Mathematics Page**.

# 8th Grade / Pre-Algebra Mathematics

## 1st Term Objectives

**Dear Parents,**

**I want to keep you informed of what your child will be learning and ways you can participate in your child's education process. Listed below are my teaching objectives for this first grading period are:**

### **Algebra: Integers**

The student will be able to recognize, read, write, describe, analyze, and solve the mathematical concepts of:

- Variables, Expressions, and Properties
- Absolute Value
- Adding Integers
- Subtracting Integers
- Multiplying and Dividing Integers
- Writing Expressions and Equations
- Solving Equations

### **Algebra: Rational Numbers**

The student will be able to recognize, describe, analyze, solve, read, write and express mathematics involving:

- Comparing and Ordering Rational Numbers
- Multiplying and Dividing Rational Numbers
- Adding and Subtracting Like and Unlike Fractions
- Powers and Exponents
- Scientific Notation

### **Parental involvement:**

Encourage a positive attitude toward mathematics.

Set aside a place and time for homework.

Be sure your child understands the importance of mathematics achievement.

Stay informed with student performance using the internet and **Thinkwave** Technology.

### **Suggested Family Activities:**

Work with student on the internet and complete the daily parent and student study guide work pages. Also complete the practice test with student. Website address is: [www.msmath3.net](http://www.msmath3.net)