

**Math Unit 3: Multiplication and Division;  
Number Sentences and Algebra  
Study Guide**

**Learning the Basic Facts**

fact families

turn-around facts

**Multiplication**

Parts of a problem: factor, factor, product

Factors

Multiples

Square number

Prime number

Shortcuts:

\*0 times any number equals 0

\*1 times any number equals the number

\*To find 2 times a number, double the number

\*To find 10 times a number, write 0 after the number

**Division**

Parts of a problem: dividend, divisor, quotient, remainder

**Symbols**

Operation symbols

Relation symbols

**Number Sentences**

True, false, and not sure number sentences (true, false, & not sure)

Open sentence

Variable

Parentheses

Answer

Solution

## **Story Problems**

Algorithms

Label units for story problem answers

Logic

Logic grid

## **Secure Goals:**

1. Fill in missing Fact Triangle numbers
2. Tell whether a number sentence is True, false, or "can't tell."
3. Make a true sentence by filling in missing numbers.
4. Make a true sentence by inserting parentheses.
5. Use a bar graph to find the median, range, and mode of a data set.
6. Solve addition and subtraction number stories.
7. Solve "What's My Rule?" problems.
8. Name factors of 24.

## **Developing Goals**

1. Solve an open sentence.
2. Use a map and map scale.
3. Complete a Venn diagram with multiples.