Tentative Test Date:

Unit 2 Study Guide: Operations and Algebraic Thinking: The Relationship Between Multiplication and Division

**McGraw Hill Lessons:**

* Chapter 12, lessons 1-5
* Chapter 4, lesson 2- Multiplication as Repeated Addition
* Chapter 4, lesson 3-Hands On: Multiply with Array
* Chapter 4, lesson 4-Arrays and Multiplication
* Chapter 4, Lesson 5-4 Problem-Solving Strategy: Make a Table
* Chapter 4, lesson 6-Use Multiplication to Find Combinations
* Chapter 6, lessons 2-9
* Chapter 7, lessons 1-8
* Chapter 8, lessons 1-9
* Chapter 9, lesson 8 Two-step word problems

**In this unit, students will:**

* Interpret products of whole numbers
* Interpret whole-number quotients of whole numbers
* Use multiplication and division within 100 to solve world problems
* Determine the unknown whole number in a multiplication or division equation relating three whole numbers
* Apply properties of operations as strategies to multiply or divide
* Understand division as an unknown-factor problem
* Multiply one-digit whole numbers by multiples of 10 using place value strategies
* Multiply and divide within 100 using strategies and properties of operations
* Draw a scaled bar and picture graph and answer questions like “how many more” and “how many less” using the data from the graph
* Make a line plot using rulers marked with halves and fourths of an inch.

(IXL):

* + Multiplication (E Lessons 1-8, F Lessons 1-13)
  + Division (L-6)
  + Graphing-- line plots, bar graphs, pictographs (T Lessons 5-12)
  + Multi-Step Problems (M-11)
  + Properties (N Lessons 1-10)

**Vocabulary**

* Equation
* Divide
* Equally
* Array
* Value
* Distributive Property
* Properties
* Compare
* Bar graph
* Line plot
* Pictograph
* Conclusion
* Quarter Inch
* Half inch