



4th Grade Mathematics Curriculum

Welcome to ACE's Tutoring LLC's 4th Grade Mathematics sessions. These sessions are conducted in hourly increments and will provide both enlightenment and enrichment for 4th Grade Mathematics. At the end of these sessions, the student may be assigned a worksheet that will further their understanding of any of the offered topics. At this tutoring firm, the goal is to ensure that the enrolled student receives a letter grade of a B or higher and have a deeper understanding of the following topics:

- **ALGEBRAIC THINKING/OPERATIONS**
 - Use the four operations with whole numbers to solve algebraic and word problems.
 - Reviewing times tables and division tables
 - Implementation of algebraic problems
 - Implementation of real word problems
 - Gain familiarity with factors and multiples
 - Least Common Multiples (LCMs)
 - Greatest Common Factors (GCFs)
 - Generate and analyze patterns.
 - **Heart Stamp Assessment** ♥
- **NUMBER AND OPERATIONS IN BASE TEN**
 - Generalize place value understanding for multi-digit whole numbers less than or equal to 1,000,000.
 - Utilizing place values to perform multi-digit arithmetic with whole numbers less than or equal to 1,000,000.
 - Addition/Subtraction for whole numbers that are less than or equal to 1,000,000.
 - Multiplication for whole numbers that are less than or equal to 1,000,000.
 - **Diamond Stamp Assessment** ♦
- **NUMBER AND OPERATIONS – FRACTIONS**
 - Working with fractions that contain the denominators of 2, 3, 4, 6, 8, 10, 12 and 100
 - Fraction Equivalence

- Building Fractions
 - Introduction of Decimal Notation
 - Introducing Mixed Numbers and Improper Fractions
- Club Stamp Assessment ♣
- **MEASUREMENTS AND DATA**
 - Solving unit conversion problems
 - Inches/Feet/Yards, Centimeters/Meters, and Cups/Ounces/Quartz/Gallons.
 - Representing and interpreting data
 - Working with Mean , Median, Mode and Range.
- **GEOMETRY**
 - Draw and identify lines and angles.
 - Classifying shapes via properties of lines and angles.
 - Measuring angles with a protractor.
 - Spade Stamp Assessment ♠

For in class settings, worksheets, activities and projects will be incorporated within these topics for the enrolled student(s) to achieve a better understanding. A prize system will also be established for any student who excels in these topics. If you have any questions, please feel free to contact our company email acestutoringllc@gmail.com.

Thank you and we hope to see you at our sessions!