



5th Grade Mathematics Curriculum

Welcome to ACE's Tutoring LLC's 5th Grade Mathematics sessions. These sessions are conducted in hourly increments and will provide both enlightenment and enrichment for 5th 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**
 - Write and interpret numerical expressions.
 - Introducing algebraic sentences including the following terms:
 - Sum
 - Difference
 - Product
 - Quotient
 - Using parenthesis in numerical expressions and evaluating expressions with this symbol
 - Analyze patterns and relationships
 - Generate a pattern given a rule (i.e. "Add 3" starting from 0)
 - **Heart Stamp Assessment** ♥
- **NUMBER AND OPERATIONS IN BASE TEN**
 - Understanding the place value system
 - Introducing the tenths, hundredths and thousandths places
 - Addition/Subtraction with Decimals in the hundredths place
 - Multiplication/Division with Decimals in the hundredths place
 - **Diamond Stamp Assessment** ◆
- **NUMBER AND OPERATIONS – FRACTIONS**
 - Expanding knowledge of fractions through the following topics:
 - Adding and subtraction fractions
 - Multiplying and dividing fractions
- **MEASUREMENTS AND DATA**
 - Introduction of volume and relation to multiplication.
 - Further understanding of measurement conversions.

- Knowing US customary measurement units: Pounds, Ounces, Miles , Yards , Feet , Inches , Gallons , Quarts , Pints , Cups , Fluid Ounces, Hours, Minutes and Seconds
- Convert between pounds and ounces ; miles and feet ; yards, feet and inches; gallons , quarts , pints, cups and fluid ounces ; hours, minutes and seconds.
- Club Stamp Assessment ♣
- **GEOMETRY**
 - Introduction of the coordinate plane and graphing points
 - Classify two-dimensional figures based on their properties
 - Types of triangles: Equilateral , Right , Acute and Obtuse
 - Commonalities among Quadrilaterals: Angle Measures, Side Lengths, Parallel Lines and Perpendicular Lines
 - 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!