LIBERTY LIBERAL ARTS ACADEMY
Middle School Math
Fractions, Decimals & Percents

Teacher: Mrs. Lopez

Grade Levels: 5th & 6th

Teacher Compensation: $270 annually payable in 9 monthly payments of $30

Semester Supply Fees: $30 due each semester. Fall Semester fee is due 1st week of July to secure Student's place in class or on Orientation day. Spring Semester fee is due in January.

Curriculum: Teacher will supply all texts and workbooks

Student supply list: Notebook, pens and pencils

Class Description: Fractions and other topics: Fractions are presented in an intuitive way with visual explanations of equivalent fractions, common denominators, and fractions and numbers larger than 1.
Major Concepts and Skills Include:
Recognizing and generating equivalent fractions
Understanding addition, subtraction, multiplication, and division of fractions and mixed numbers
Fluently adding, subtracting, multiplying, and dividing fractions and mixed numbers
Additional Concepts and Skills:
Using multiple strategies to recognize common factors
Understanding grouping symbols and their effect on order of operations
Interpreting and solving word problems
Comparing, and converting decimal fractions
Finding the area and circumference of circles
Classifying quadrilaterals
Representing fractions and fractional measurements on line plots and number lines
Using coordinates to represent ordered relationships

Decimals, Percents, and other topics: Students learn to complete core operations with decimals. The connection between fractions and decimals is presented.
Major Concepts and Skills Include:
Expanding understanding of place value from positive powers of ten to include decimals
Fluently adding, subtracting, multiplying, and dividing multiple digit decimals using place-value strategies
Solving real-world problems with decimals and percentages
Understanding the metric system and converting from one unit of measure to another
Additional Concepts and Skills:
Understanding and simplifying exponents
Understanding negative numbers and representing them on the coordinate plane
Using properties of operations to simplify and evaluate algebraic expressions
Interpreting and graphing relationships between dependent and independent variables
Understanding of plane geometry & geometric symbols