LIBERTY LIBERAL ARTS ACADEMY
Elementary Math 3rd & 4th
Multiplication & Division of Single and Multiple Digits

Teacher: Mrs. Lopez

Grade Levels: 3rd & 4th

Prerequisite: Students must be able to add and subtract single and multiple digits

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 Supplies Needed: Notebook, pens, and pencils

Class Description: Multiplication for single and multiple-digit numbers and other topics.
Major Concepts and Skills Include:
Using strategies based on place value and properties of operations to multiply
Fluently multiplying any combination of whole numbers
Solving for an unknown factor
Solving abstract and real-world problems involving addition, subtraction, and multiplication
Measuring and computing area
Relating concepts of area to addition and multiplication
Additional Concepts and Skills:
Skip counting as a precursor to multiplication
Adding and subtracting time in hours and minutes
Multiplying, adding, and subtracting U.S. currency and standard units of measure
Representing, recording, and interpreting data
Understanding of basic fractions
Estimating and solving measurement problems

Division for single and multiple-digit numbers and other topics. Division is presented as the inverse of multiplication.
Single-digit division facts are learned, and the concepts of division and place value are applied when solving long division problems.
Major Concepts and Skills Include:
Using strategies based on place value and properties of operations to divide
Understanding division as solving for an unknown factor
Fluently dividing any combination of whole numbers
Solving abstract and real-world problems involving all four operations
Interpreting remainders in short and long division
Understanding fraction notation in light of division
Additional Concepts and Skills:
Reading and writing Roman numerals
Dividing, multiplying, adding, and subtracting U.S. currency and standard units of measure
Understanding angle measure and geometric shapes including points, segments, rays, and lines
Classifying shapes based on defining attributes
Understanding and computing area and volume