

## Intermediate Math Fundamental Math Concepts

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**Course Description:** Intermediate Math is designed to provide a comprehensive introduction to fundamental mathematical concepts, helping the student prepare for Pre-Algebra. The main goal is not in completing every problem in every lesson, but in gaining a firm understanding of the math concepts to set the student up for success. Students will have the opportunity to correct any missed problems at home for extra points.

**Requirement: Students must have a strong foundation in basic elementary and lower middle school math skills. A placement test may be required.**

The class will cover the following:

- Ratios and Rates
- Fractions, decimals and percents
- Compute with multi-digit numbers
- Multiply and divide fractions
- Integers and the Coordinate Plane
- Expressions
- Equations
- Functions and inequalities
- Area
- Volume and surface area
- Statistical measures
- Statistical displays

**In-class activities will include:**

- Review exercise from previous week's lesson
- Unit Project Preview
- Study Skill
- Vocabulary Start-Up activity
- Quick Check Review
- Guided practice
- Inquiry Math lab activity

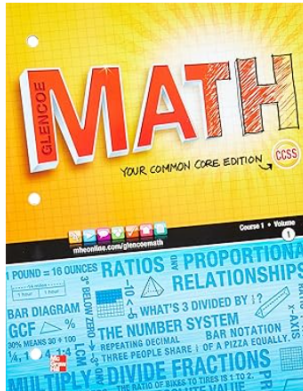
**At home assignments will include:**

- Four weekly math lessons including independent practice, higher order thinking problems, and standardized test practice (great practice for how ACT questions are asked.)
- Parents will be responsible for grading weekly math lessons. Students can then correct their work at home. Answers will be provided. More instructions will be provided in the syllabus.

**Tuition:** \$50.00 per month

### Course Material required:

- *Glencoe Math Course 1, Volume 1, Student Edition, 1st Edition*  
**ISBN-13** : 978-0076605538 Click her for Amazon [link](#)



### Supplies:

- Three-ring hardcover binder - 1.5 inches
- One set of 5 tab dividers
- Notebook paper - Wide Ruled
- Graphing Paper (Loose Leaf with 3 hole punches. Amazon [link](#) .)
- Pencils (NO PENS for Math)
- Computer and access to a printer

### Teacher introduction:

Hello, my name is Aimee Williams and I am very excited to be a part of your child's education. I have a B.S. in Early Childhood Education and have taught in the public, private, and homeschool sectors. I believe children learn best when they are engaged in the learning process visually, auditorily, and kinesthetically. My style of teaching is to engage students in the subject matter, not just learning facts but gaining a love for learning. (Yes, even math.) The end goal is in growing the student to become an independent learner and to see how math reveals that God is a God of order and His order flows from His nature into all subjects.

I have been married to my husband, Gary, for 29 years and have three children whom I home educated from K-12th grade. My oldest son, Asher, teaches high school biology, my second son, Caleb, lives in Cambodia where he is serving with the Peace Corps teaching English, and my youngest daughter, Eden, is a sophomore at UCO studying Elementary Education. In my spare time, I love to read a good mystery!