



Class Title: Orange Pre-Algebra

Teacher Name: Trish Poston

Class Day: Monday and Friday

Class Size: 12

Class Cost: \$30

Class Fee: \$192

Ages or color group served: Orange

What level is this class: Level 3

Prerequisites: Students must have a good understanding of arithmetic and rational numbers. They should be able to handle operations with whole numbers, fractions, decimals, positive and negative integers and percentages.

Graduation Requirements: Grade C or above

Homework Requirements: All homework will need to be completed for the NEXT class. There WILL be homework quizzes and a final exam in this class.

Class Description:

PreAlgebra bridges elementary arithmetic and abstract algebra. We'll start by assessing where to start as a class and spend a short time reinforcing fundamental math skills.

Then, we'll learn and use algebraic foundations. The goal is to develop an understanding and build a strong foundation for future higher-level math courses, especially Algebra 1.

Week 1:

Arithmetic review and student level assessment

Expectations:

Class check in and homework, note taking, grading, quizzes, tutoring and communication outside of class

Week 2:

Fractions:

Simplifying, Adding and Subtracting, Finding common denominator

Week 3:

Fractions:

Multiplying and Dividing, Mixed Numbers and Improper Fractions

Week 4:

Fractions:

Multiplying and Dividing, Mixed Numbers and Improper Fractions

Week 5:

Homework review

Order of Operations, Adding and Subtracting Integers, Multiplying and Dividing Integers

Week 6:

Quiz 2: Decimals

More practice working with integers

Week 7:

Quiz 3: Integers

Ratios:

Simplifying, Proportional Ratios. Percent Ratios, Discount, Tax, Tips and Simple Interest

Week 8:

Quiz 4: Ratios and Percentages

Exponents and Variables:

Multiplication Property, Division Property, Powers of Product and Quotients, Zero and Negative Exponents

Week 9:

Homework Review

Quiz 5: Exponents and Variables

Week 10:

Expressions and Variables:

Simplifying Variable and Polynomial Expressions, Distributive Property

Evaluating One Variable, Evaluating Two Variables

Week 11:

Quiz 6: Expressions and Variables

Review for Final Exam

Week 12:

Final Exam

Celebration of Success