

Tumyaraa 1st Year Math — Algebra Preparation

Fall 2023

We believe our ancestors live in our cultural knowledge, traditions, and way of life and being. When we learn to live like a Yup'ik person, our ancestors are guiding us they are proud of us. This is how the language is intertwined with everything we do and say. —Barbara Amos



Instructor:

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Learning Objectives

Through the course, students will review basic math skills with a focus on preparing or reviewing skills needed to be successful in high school Algebra I. Students will explore and develop a deeper understanding of critical topics:

- Types of Numbers
- Algebraic Properties
- Positive and Negative Numbers
- Order of Operation
- Fractions
- Relationship between Fractions, Decimals, Percentage

Active Learning

Active learning refers to the process of deep understanding that comes from interactive and reflective education rather than rote memorization and information recall. For this class, active learning involves hands-on using listed skills in a variety of hands-on everyday practices.

- Positive Negative Numbers
 - Number Lines
 - Counting Chips
 - Everyday applications: Temperature, Banking,

- Fractions
 - Multiplication Table (Equivalent Fractions)
 - Money
 - Time
 - Pizza / Pie

- Let's Go Fishing M&M activity

Instructional/Delivery Methods

Summer intensive
Bi-monthly tutoring through out the school year

Required Texts, Readings, Materials

"Everything you need to Ace Pre-Algebra & Algebra 1 in One Big Fat Notebook"

Communications Expectations

All official communication regarding courses and APU information goes through APU email. Students are expected to be reading APU email routinely.