



**Class Title:** Blue Fun with Fractions

**Subjects Covered:** Math

**Teacher Name:** Trish Poston

**Class Day:** Friday

**Class Size:** 15

**Overall Class Cost:** \$39

**Individual Student Supply Fee:** \$0

**Class Fee:** \$96

**Ages or color group served:** Blue

**What level is this class:** Level 3

**Prerequisites:** Solid understanding of handling basic math operations: Adding, Subtracting, Multiplying and Dividing

**Graduation Requirements:** HCU attendance policy

**Homework Requirements:** Taking notes and participating in class is a must! There is no text book and there is homework, quizzes and a final exam

**Class Description:**

This class provides a solid foundation of the basic knowledge of fractions. Students will learn what a fraction is, properties and how to work with all types of fractions.

Concepts will be introduced to students using manipulatives for a visual and physical understanding.

Students will be expected to take notes and participate in class and complete assignments at home if class time does not permit.

Homework and testing will allow students to bridge the gap of visual understanding to symbolic and contextual understanding by performing their understanding with pencil to paper. Verbal understanding will be assessed and provided in class discussions to make sure students understand what and why they're solving.

Students will also learn the important foundation of converting mixed numbers to improper fractions, reducing fractions by finding GCF, comparing fractions ( $>$ ,  $<$ ,  $=$ ), Adding and Subtracting Fractions, including finding LCD and multiplying and dividing fractions.

**Week 1:**

What is a fraction?

Types of fractions

Identify Numerator and Denominator

HW: worksheet on identifying fractions

**Week 2:**

Use manipulatives to identify Equivalent fractions

HW: worksheet on equivalent fractions

**Week 3:**

Simplifying fractions

How do you identify if a fraction is in its simplest form?

HW: worksheet on identifying of fractions are in their simplest form

**Week 4:**

Simplifying fractions

How to find the GCF

How to reduce fractions

HW: Reduce fractions from week 3 worksheet that are not in simplest form

**Week 5:**

Quiz 1 (30 minutes)

Identifying and simplifying fractions

Use manipulatives to compare fractions ( $>$ ,  $<$ ,  $=$ )

HW: Complete worksheet on comparing fractions

**Week 6:**

Review comparing fractions

Converting improper fractions to mixed numbers, mixed numbers to improper fractions

HW: worksheet

**Week 7:**

Review improper fractions to mixed numbers, mixed numbers to improper fractions,  
Simplifying

Introduce adding and subtracting fractions with the same denominator

HW: worksheet on adding and subtracting fractions

**Week 8:**

Adding and subtracting fractions with different denominators

Finding LCD, simplified answers

HW: Finding LCD to add and subtract fractions

**Week 9:**

Review adding and subtracting

Introduce Multiplying and dividing fractions

HW: worksheet

**Week 10:**

Review all things fractions

HW: Practice/Study for Final Exam

**Week 11:**

Final Exam

**Week 12:**

Review final exam and class celebration

