Unit 1a-Use Positive Rational Numbers

Content Area: **Mathematics**
Course(s): **Math 6**
Time Period: **Marking Period 1**
Length: **Weeks 2-5 Envision Mathematics Topic 1**
Status: **Published**

Essential Questions

- How can you fluently add, subtract, multiply, and divide decimals? How can you multiply and divide fractions?

Big Ideas

- Compute fluently with rational numbers and find common factors and multiples.
- Apply and extend previous understandings of arithmetic to algebraic expressions.

Diversity Integration

Objective: Students will be able to convert US currency to other countries and compare the cost of living in each country

Activity:

-Teacher will go over how there are many different currencies through the world and when traveling you need to convert US dollars to the currency of the country you are visiting.

-Teacher will model how to change currency from US dollars to different country and vice versa

-Students will work with a partner to complete converting one country's currency worksheets.

- Students will compare the cost of living in the one country they choose to the US

CSDT Technology Connection

• 8.1.8.DA.1: Organize and transform data collected using computational tools to make it usable for a specific purpose.

Enduring Understanding

The Number System

6.NS.2 With accuracy and efficiency, divide multi-digit numbers using the standard algorithm
6.NS.3 With accuracy and efficiency,add, subtract, multiply and divide multi-digit decimals using the standard algorithm for each operation.
6.NS.4 Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1–100 with a common factor as a multiple of a sum of two whole numbers with no common factor. For example, express 36 + 8 as 4 (9 + 2).

Mathematical Practices Focus

1. Make sense of problems and persevere in solving them. Lesson 1, 6, and page 29.

2. Reason abstractly and quantitatively. Lesson 2, 3, 4, 6, 7, and page 29

3. Construct viable arguments and critique the reasoning of others. Lesson 2,3,7, and page 29

4. Model with mathematics. Lesson 3,4,5, and page 29

5. Use appropriate tools strategically. Lesson 1, and page 29

6. Attend to precision. Lesson 1, 2, 3, 7

7. Look for and make use of structure. Lesson 1,2,4, 5, 6, and page 29

8. Look for and express regularity in repeated reasoning. Lesson 6, and page 29