Unit 2d-Use Equivalent Fractions To Add And Subtract Fractions

Content Area: **Math**
Course(s): **Math 5**
Time Period: **Marking Period 2**
Length: **MP2 Topic 7 7-1 to 7-12**
Status: **Published**

Essential Questions

- How can sums and differences of fractions and mixed numbers be estimated?
- What are some common procedures for adding and subtracting fractions and mixed numbers?

Big Ideas

- **Use Estimation:** Students will learn how to estimate fractions sums and differences. Students will estimate sums and differences of mixed numbers. This will help the students to develop number sense about the magnitude of computations. Students will use estimation to check the reasonableness of computations.
- **Find Common Denominators:** Students learn how to find a common denominator for a given pair of fractions with unlike denominators. Students use this skill to add and subtract fractions and mixed numbers with unlike denominators.
- **Add and Subtract Fractions with Unlike Denominators:** Students learn how to add and subtract fractions. They use these skills to add and subtract mixed numbers.
- **Problems Involving Fractions and Mixed Numbers:** Students will focus on modeling and solving real-world problems using what they learned about adding and subtracting and mixed numbers with unlike denominators.

CSDT Technology Integration

8.2.5.ED.3: Follow step by step directions to assemble a product or solve a problem, using appropriate tools to accomplish the task.

Activity:

1) Post an assignment in Google Classroom where students watch a Khan Academy video to reinforce the topic. During the video, students will complete an EdPuzzle assignment to reflect on the video.

2) Students will work independently in the IXL program to answer questions about addition and subtraction of fractions. The specific skills in IXL related to this standard are L6 - L14. The program will track students progress and mastery of these skills.

Enduring Understandings

Number and Operations—Fractions

5.NF.A.1[M] Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.

5.NF.A.2[M] Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers.

Mathematical Practices Focus

4. Model with mathematics.