Lesson Topic: Least Common Denominator

Objective: SWBAT find Least Common Denominator (LCD) to add fractions with unlike denominators

Materials: Fraction pieces, Graphic Organizer (Venn diagram), textbooks, pencils, paper, overhead transparency, transparency pens.

Introduction: Hold up a **1/3** fraction piece and a **½** fraction piece. Ask students – "How do I find the sum of these two pieces?"

Jot down students' responses on chalkboard/chart paper.

Development: (1) Review adding fractions with like denominators

       i.   Using fraction pieces. ii. Writing the algorithm

(2) Place students in groups of four for practice work

(3) Use the Venn diagram on overhead projector to show the common multiples in order to determine the Least Common Denominator

(4) In groups, students are given sheets of the graphic organizer to show their work in finding the following LCD: **1/8 + ½; 1/6 + 1/3; 1/7 + 1/5; 1/3 + ¼**

(5) Students come to overhead to show how they found their answers

Closure: (1) Check each idea given at beginning of the lesson to see which ones are correct/incorrect in order to clarify misconceptions.

(2) Review steps for adding fractions with unlike denominators.

Graphic Organizer, Assessment and Rubric are attached.