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Final Assignment - Demo Video and Write Up

Prof. - Dr. Ruiz

04/28/2023

The video I chose for this assignment is "How to share using Fractions"

[YouCut_20230422_185505120.mp4 - Google Drive](#)

Question #1

How could I reteach some aspects of this lesson for better learning effectiveness?

Since all of the word problems in this lesson involved dividing with fractions, the lesson would have been more effective if I had done a brief recap on how to divide by fractions. Dividing by fractions can be somewhat tricky for some students..By reviewing the keep, change and flip rule, and leaving a demo sample on the board, the lesson would have been more effective.

Ex: $\frac{1}{4} \div \frac{5}{4}$

↓ ↓ ↓
Keep Change Flip

$\frac{1}{4} \times \frac{4}{5} = \frac{4}{20}$
 $= \frac{1}{5}$

Question #2

What learning task would I have students “we do” to reinforce this lesson.

I would pose a word problem on the board and ask students to help me solve it. Using paper and colored pencils, students will work with partners to draw diagrams that represent the equation, and determine the answer. I will circulate the room, checking for understanding and providing feedback. Then together, we will discuss and share strategies as a class, with students having an opportunity to come to the board to demonstrate.

Problem - Six students have to share four snickers bars so that each student gets the same amount. How much will each student have?

Question #3

How could I better use representations or add more variety to the representations to enhance learning in this lesson?

I would use more math manipulatives that are suitable for working with fractions such as fraction tiles and fraction circles, pattern blocks and cuisenaire rods. Number lines are another great option as well as the use of measuring cups, which helps students to view math beyond the classroom and into real life practices. By having a wide variety of representations, students have more options to enhance their learning experience.

Question #4

What would I assess in terms of what I want students to be able to know/do from this lesson?

At the end of this lesson, students will be able to demonstrate how to divide fractions, using long or short division strategies. Students will be able to use various manipulatives and diagrams to solve word problems involving fractions.

