Fractions and Decimals

Students will:

- Read fractional numbers and decimal fractions aloud
- Illustrate or model common and decimal fractions
- Add and subtract fractions with like denominators
- Add, subtract, multiply, and divide one- and two-digit decimal fractions
- Convert mixed numbers to improper fractions and improper fractions to mixed numbers
- Compare fractions and express their relationship using the symbols >, <, or =
- Compare decimals and express their relationship using the symbols >, <, or =

Classroom Cases:

1. Read the following fractional and decimal numbers aloud:
   - a. \( \frac{4}{9} \)
   - b. \( \frac{3}{4} \)
   - c. \( \frac{8}{9} \)
   - d. \( \frac{5}{6} \)
   - e. \( \frac{7}{10} \)
   - f. 0.45
   - g. 1.02
   - h. 43.89
   - i. 3.91
   - j. 0.5

Case Closed - Evidence:

- a. four-ninths
- b. three-fourths
- c. eight-ninths
- d. four and five-sixths
- e. seven-tenths
- f. forty-five hundredths
- g. one and two hundredths
- h. forty-three and eighty-nine hundredths
- i. three and ninety-one hundredths
- j. five-tenths

2. Create pictures to show the common fractions in example 1.

Case Closed - Evidence:

- a. \( \frac{4}{9} \)
- b. \( \frac{3}{4} \)
- c. \( \frac{8}{9} \)
- d. \( \frac{5}{6} \)
- e. \( \frac{7}{10} \)

3. Add or subtract the following fractions with like denominators:

Case Closed - Evidence:

- a. \( \frac{2}{5} + \frac{1}{5} \)
- b. \( \frac{5}{6} - \frac{2}{6} \)
- c. \( \frac{3}{8} + \frac{2}{8} \)
- d. \( \frac{10}{12} - \frac{4}{12} \)
- e. \( \frac{6}{8} - \frac{1}{8} \)
- f. \( \frac{6}{12} \)

4. Compare the following pairs of fractions by using the symbols, >, <, or =.

Case Closed - Evidence:

- a. \( \frac{5}{6} \)
- b. \( \frac{4}{8} \)
- c. \( \frac{2}{3} \)
- d. \( \frac{2}{5} \)
- e. 1.02
- f. 1.03
- g. 0.98

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