Math Reflection Bits and Pieces Inv. 1 and 2  

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1. Suppose you eat $\frac{3}{4}$ of a pizza and then eat $\frac{1}{8}$ of another pizza the same size. How much of a whole pizza did you eat altogether?

\[ \frac{3}{4} + \frac{1}{8} = \frac{7}{8} \quad \text{because} \quad \frac{3}{4} = \frac{6}{8} \quad \text{plus} \quad \frac{1}{8} = \frac{7}{8} \]

2. Taylor and his friends eat part of a pan of lasagna. Taylor eats $\frac{2}{16}$ of the lasagna, Kyle eats $\frac{3}{32}$ of the lasagna, Logan eats $\frac{3}{16}$ of the lasagna, and Blake eats $\frac{2}{8}$ of the lasagna.

a. How much of the lasagna did Taylor and his friends eat?

- Taylor: $\frac{2}{16} = \frac{1}{8}$
- Blake: $\frac{2}{8} = \frac{1}{4}$
- Kyle: $\frac{3}{32}$
- Logan: $\frac{3}{16} = \frac{6}{32}$

So, $\frac{1}{8} + \frac{1}{8} + \frac{6}{32} + \frac{1}{8} = \frac{21}{32}$ Lasagna eaten

b. How much of the lasagna is left?

\[ \text{whole lasagna} - \frac{21}{32} = \frac{31}{32} \quad \text{left over} \]

- $\frac{31}{32}$ left over

3. Estimate each sum

a. $11\frac{1}{2} + 2 \frac{2}{3}$

about $11 \frac{1}{2} + 2 \frac{1}{2}$

b. $2 \frac{5}{6} + 1 \frac{1}{3}$

about $2 \frac{1}{2} + 1$

C. $4 \frac{4}{9} + 2 \frac{1}{5}$

about $4 \frac{1}{2} + 2$
4. Estimate each difference
   a. \(4 \frac{1}{3} - \frac{5}{12}\)  
   b. \(1 \frac{3}{5} - \frac{1}{3}\)  
   c. \(8 \frac{11}{12} - 2 \frac{3}{4}\)

5. Find each sum
   a. \(11\frac{1}{2} + 2\frac{2}{3}\)  
   b. \(2\frac{5}{6} + 1\frac{1}{3}\)  
   c. \(4\frac{4}{9} + 2\frac{1}{5}\)

6. Find each difference
   a. \(4 \frac{1}{3} - \frac{5}{12}\)  
   b. \(1 \frac{3}{5} - \frac{1}{3}\)  
   c. \(8 \frac{11}{12} - 2 \frac{3}{4}\)

7. Suppose you are helping a student who has not studied fractions. What important things can you tell them about adding or subtracting fractions?

   \[\rightarrow\text{Be sure to re-write the fractions with common denominators}\]

   \[\rightarrow\text{Find the sum/difference of the numerators}\]

   \[\rightarrow\text{Denominators stay the same}\]