Finding the Common Denominator

Task 1

Solve the following problems. For each one, be mindful of your choice of common denominator.

Record your response in the space provided.

$\frac{17}{20} - \frac{2}{5}$	$\frac{17}{24} + \frac{5}{36}$	$4\frac{2}{7} + 1\frac{1}{5} - \frac{14}{70}$

When do we add or subtract fractions in real life? Construct a list of examples and compare with others, if possible, to expand your list.

When tackling a real problem involving fractions, consider the following:

- Are the fractions mixed numbers or improper?
- Will I be adding or subtracting fractions?
- What do I know? What do I need to solve for?

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Task 2

1.) Florence was measuring out their bedroom perimeter using measuring tape that measured in inches. They found the following measurements for each wall:

$$\text{Side 1: } 89\frac{1}{4} \text{ inches} \qquad \text{Side 2: } 65\frac{7}{16} \text{ inches}$$

$$\text{Side 3: } 80\frac{7}{8} \text{ inches} \qquad \text{Side 4: } 62\frac{1}{2} \text{ inches}$$

What was the total perimeter of the room?

2.) Kel was baking a giant cake for their mom's birthday. The recipe called for 6 ½ cups of flour in a large mixing bowl. However, without realizing, Kel accidentally added 9 ¼ cups of flour.

How much flour does Kel need to remove to get the recipe right?

If Kel uses a $\frac{1}{3}$ cup measuring cup to remove the flour, how many scoops will they need to do?