Problem Solving: Draw a Picture and Write an Equation

Draw a picture and write an equation to solve.

1. Jamie bought $\frac{5}{8}$ pound of wheat flour. He also bought $\frac{1}{4}$ pound of white flour. How much flour did he buy?

2. Katie is $\frac{3}{5}$ of the way to Brianna’s house. Larry is $\frac{7}{10}$ of the way to Brianna’s house. How much closer to Brianna’s house is Larry?

3. Nina practiced the trumpet for $\frac{1}{6}$ hour. Santiago practiced the trumpet for $\frac{2}{3}$ hour. How much longer did Santiago practice than Nina?

4. Ned caught $\frac{1}{3}$ pound of fish. Sarah caught $\frac{5}{12}$ pound of fish. Jessa caught $\frac{1}{6}$ pound of fish. Which bar diagram shows how to find how many pounds of fish they caught in all?

   A  
   \[
   \begin{array}{c}
   \hline
   \text{x pounds in all} \\
   \frac{2}{6} & \frac{2}{6} & \frac{1}{6} \\
   \hline
   \end{array}
   \]

   B  
   \[
   \begin{array}{c}
   \hline
   \text{x pounds in all} \\
   \frac{1}{3} & \frac{5}{12} & \frac{1}{6} \\
   \hline
   \end{array}
   \]

   C  
   \[
   \begin{array}{c}
   \hline
   \text{x pounds in all} \\
   \frac{3}{12} & \frac{5}{12} & \frac{6}{12} \\
   \hline
   \end{array}
   \]

   D  
   \[
   \begin{array}{c}
   \hline
   \text{x pounds in all} \\
   \frac{1}{12} & \frac{5}{12} & \frac{1}{12} \\
   \hline
   \end{array}
   \]

5. In solving a fraction equation, John added the numerators of several fractions with unlike denominators. What should John have done first?