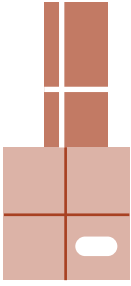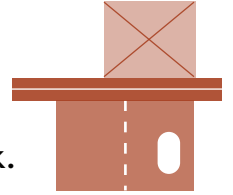Name: _____ Date: _____

Multiplying Mixed Numbers

Solve the word problems below using any strategy.
Create a model that represents the problem and show your work.

1. For one of their science experiments, students needed $10\frac{1}{2}$ liters of water. If there were 7 groups doing the same experiment, how much water did they need for all of the groups?

2. Before each rainstorm, Ozzie put out rain gauges to measure how many inches of rain fell. After each of the 6 storms that month, Ozzie collected $4\frac{1}{2}$ inches of rain. How much rain fell during the storms that month?

3. Mickela has five packages to mail. Each one weighs $3\frac{5}{8}$ pounds. What was the total weight of all the packages?

4. Siri was writing a story. She was trying to figure out how long it would take for her to write it. If she can write $3\frac{3}{4}$ pages in one hour, how many pages will she have written after 9 hours?

5. Zeke had 12 friends coming to his birthday party. He wanted each friend to get $1\frac{1}{3}$ pounds of candy. How many pounds of candy did he need to buy?

6. Aran was buying fish for his big dinner party. He figured each guest would eat $\frac{2}{5}$ of a pound of fish. If there were 22 people coming to his dinner party, how many pounds of fish did he need to buy?