Name _____ Date _____

1. Solve. Draw a rectangular fraction model to explain your thinking.

   a. $\frac{1}{2}$ of $\frac{2}{3}$ = $\frac{1}{2}$ of _____ third(s) = _____ third(s)

   b. $\frac{1}{2}$ of $\frac{4}{3}$ = $\frac{1}{2}$ of _____ third(s) = _____ third(s)

   c. $\frac{1}{3}$ of $\frac{3}{5}$ =

   d. $\frac{1}{2}$ of $\frac{6}{8}$ =

   e. $\frac{1}{3} \times \frac{4}{5}$ =

   f. $\frac{4}{5} \times \frac{1}{3}$ =

2. Sarah has a photography blog. $\frac{3}{7}$ of her photos are of nature. $\frac{1}{4}$ of the rest are of her friends. What fraction of all of Sarah's photos is of her friends? Support your answer with a model.

3. At Laurita's Bakery, $\frac{3}{5}$ of the baked goods are pies, and the rest are cakes. $\frac{1}{3}$ of the pies are coconut. $\frac{1}{6}$ of the cakes are angel food.

   a. What fraction of all of the baked goods at Laurita's Bakery are coconut pies?

   b. What fraction of all of the baked goods at Laurita's Bakery are angel food cakes?

4. Grandpa Mick opened a pint of ice cream. He gave his youngest grandchild $\frac{1}{5}$ of the ice cream and his middle grandchild $\frac{1}{4}$ of the remaining ice cream. Then, he gave his oldest grandchild $\frac{1}{3}$ of the ice cream that was left after serving the others.

   a. Who got the most ice cream? How do you know? Draw a picture to support your reasoning.

   b. What fraction of the pint of ice cream will be left if Grandpa Mick serves himself the same amount as the second grandchild?