

Name _____

Date _____

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

a. $\frac{1}{2}$ of $\frac{2}{3} = \frac{1}{2}$ of ____ thirds = ____ thirds

b. $\frac{1}{2}$ of $\frac{4}{3} = \frac{1}{2}$ of ____ thirds = ____ thirds

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

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

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 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?