

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 \_\_\_\_ 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.  $\frac{1}{2}$  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 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.
- What fraction of all of the baked goods at Laurita's Bakery are coconut pies?
  - 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.
- Who got the most ice cream? How do you know? Draw a picture to support your reasoning.
  - What fraction of the pint of ice cream will be left if Grandpa Mick serves himself the same amount as the second grandchild?