Name _____ Date _____

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

   a. Half of $\frac{1}{2}$ cake = _____ cake.

   b. One-third of $\frac{1}{2}$ cake = _____ cake.

   c. $\frac{1}{4}$ of $\frac{1}{2}$

   d. $\frac{1}{2} \times \frac{1}{5}$

   e. $\frac{1}{3} \times \frac{1}{3}$

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

2. Noah mows $\frac{1}{2}$ of his property and leaves the rest wild. He decides to use $\frac{1}{5}$ of the wild area for a vegetable garden. What fraction of the property is used for the garden? Draw a picture to support your answer.

3. Fawn plants $\frac{2}{3}$ of the garden with vegetables. Her son plants the remainder of the garden. He decides to use $\frac{1}{2}$ of his space to plant flowers, and in the rest, he plants herbs. What fraction of the entire garden is planted in flowers? Draw a picture to support your answer.

4. Diego eats $\frac{1}{5}$ of a loaf of bread each day. On Tuesday, Diego eats $\frac{1}{4}$ of the day's portion before lunch. What fraction of the whole loaf does Diego eat before lunch on Tuesday? Draw a rectangular fraction model to support your thinking.