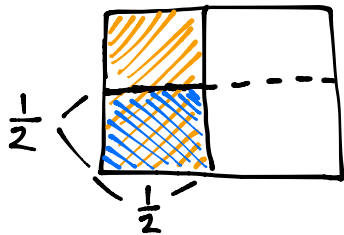


Name \_\_\_\_\_

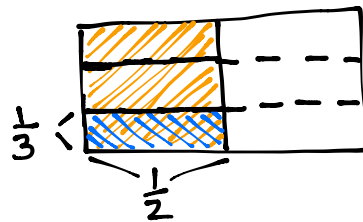
Date \_\_\_\_\_

1. Solve. Draw an area model to show your thinking.

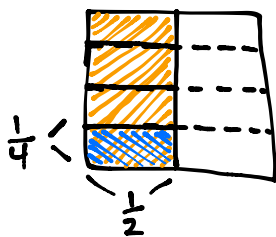
a. Half of  $\frac{1}{2}$  cake =  $\frac{1}{4}$  cake



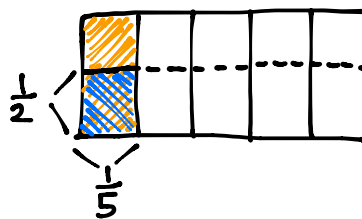
b. One-third of  $\frac{1}{2}$  cake =  $\frac{1}{6}$  cake



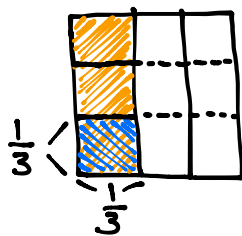
c.  $\frac{1}{4}$  of  $\frac{1}{2}$  =  $\frac{1}{8}$



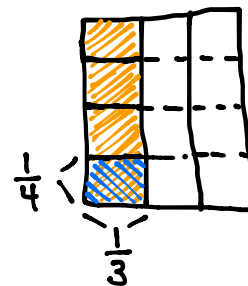
d.  $\frac{1}{2} \times \frac{1}{5} = \frac{1}{10}$



e.  $\frac{1}{3} \times \frac{1}{3} = \frac{1}{9}$

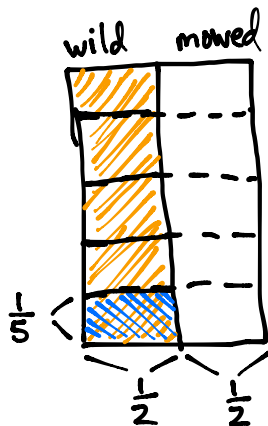


f.  $\frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$



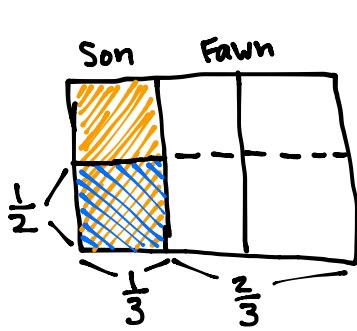
2. Noah mows  $\frac{1}{2}$  of his property and leaves the rest wild. He decides to use  $\frac{1}{5}$  of the wild area for a vegetable garden. What fraction of the property is used for the garden? Draw a picture to support your answer.

$\frac{1}{5}$  of  $\frac{1}{2}$   
=  $\frac{1}{10}$



$\frac{1}{10}$  of the property is used for the garden.

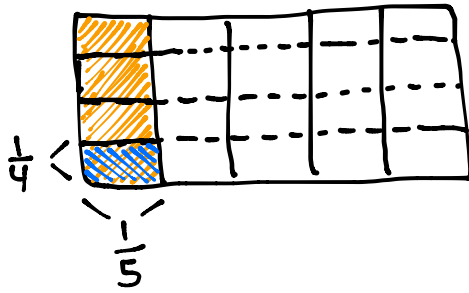
3. Fawn plants  $\frac{2}{3}$  of the garden with vegetables. Her son plants the remainder of the garden. He decides to use  $\frac{1}{2}$  of his space to plant flowers, and in the rest he plants herbs. What fraction of the entire garden is planted in flowers? Draw a picture to support your answer.



$$\frac{1}{2} \text{ of } \frac{1}{3} = \frac{1}{6}$$

$\frac{1}{6}$  of the garden is planted in flowers.

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 model to support your thinking.



$$\frac{1}{4} \text{ of } \frac{1}{5} = \frac{1}{20}$$

Diego ate  $\frac{1}{20}$  of the whole loaf before lunch.