

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Solve. Draw a rectangular fraction model to explain your thinking. Then, write a multiplication sentence.

a.  $\frac{2}{3}$  of  $\frac{3}{4} =$

b.  $\frac{2}{5}$  of  $\frac{3}{4} =$

c.  $\frac{2}{5}$  of  $\frac{4}{5} =$

d.  $\frac{4}{5}$  of  $\frac{3}{4} =$

2. Multiply. Draw a rectangular fraction model if it helps you.

a.  $\frac{5}{6} \times \frac{3}{10}$

b.  $\frac{3}{4} \times \frac{4}{5}$

c.  $\frac{5}{6} \times \frac{5}{8}$

d.  $\frac{3}{4} \times \frac{5}{12}$

e.  $\frac{8}{9} \times \frac{2}{3}$

f.  $\frac{3}{7} \times \frac{2}{9}$

3. Every morning, Halle goes to school with a 1 liter bottle of water. She drinks  $\frac{1}{4}$  of the bottle before school starts and  $\frac{2}{3}$  of the rest before lunch.
- What fraction of the bottle does Halle drink after school starts, but before lunch?
  - How many milliliters are left in the bottle at lunch?
4. Moussa delivered  $\frac{3}{8}$  of the newspapers on his route in the first hour and  $\frac{4}{5}$  of the rest in the second hour. What fraction of the newspapers did Moussa deliver in the second hour?
5. Rose bought some spinach. She used  $\frac{3}{5}$  of the spinach on a pan of spinach pie for a party, and  $\frac{3}{4}$  of the remaining spinach for a pan for her family. She used the rest of the spinach to make a salad.
- What fraction of the spinach did she use to make the salad?
  - If Rose used 3 pounds of spinach to make the pan of spinach pie for the party, how many pounds of spinach did Rose use to make the salad?

## Answer Key

1. a.  $\frac{2}{3} \times \frac{3}{4} = \frac{1}{2}$ ; accurate model drawn  
b.  $\frac{2}{5} \times \frac{3}{4} = \frac{3}{10}$ ; accurate model drawn  
c.  $\frac{2}{5} \times \frac{4}{5} = \frac{8}{25}$ ; accurate model drawn  
d.  $\frac{4}{5} \times \frac{3}{4} = \frac{3}{5}$ ; accurate model drawn

2. a.  $\frac{1}{4}$   
b.  $\frac{3}{5}$   
c.  $\frac{25}{48}$   
d.  $\frac{5}{16}$   
e.  $\frac{16}{27}$   
f.  $\frac{2}{21}$

3. a.  $\frac{1}{2}$   
b. 250 mL

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

5. a.  $\frac{1}{10}$   
b.  $\frac{1}{2}$  pound