

Name \_\_\_\_\_

Find the product. Draw a model.

3.  $\frac{2}{3} \times \frac{1}{5} =$  \_\_\_\_\_

4.  $\frac{1}{2} \times \frac{5}{6} =$  \_\_\_\_\_

5.  $2\frac{2}{5} \times \frac{1}{3} =$  \_\_\_\_\_

6.  $\frac{3}{4} \times \frac{1}{6} =$  \_\_\_\_\_

## On Your Own

7. **MTR** Ricardo's recipe for 4 loaves of bread requires  $\frac{2}{3}$  cup of olive oil. He only wants to make 1 loaf. Ricardo makes a model to find out how much oil he needs to use. He folds a piece of paper vertically into three parts and shades two parts. Then he folds the paper horizontally into four parts and shades  $\frac{1}{4}$  of the shaded part. Ricardo decides he needs  $\frac{1}{4}$  cup of olive oil. Is he right? Explain.

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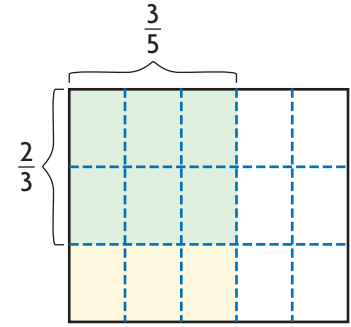
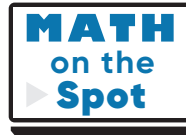
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8. Three-fourths of a spinach casserole is left over after Sam has lunch. Jackie and Alicia each take  $\frac{1}{2}$  of the leftover casserole. Jackie eats only  $\frac{2}{3}$  of her portion. What fraction of a whole casserole did Jackie eat? Draw a model.

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## What's the Error?



9. Cheryl and Marcus are going to make 2 batches of muffins. The smaller batch is  $\frac{2}{3}$  the size of the larger batch. The recipe for the larger batch requires  $\frac{3}{5}$  cup of water. How much water will they need to make the smaller batch?

They made a model to represent the problem. Cheryl says they need  $\frac{6}{9}$  cup of water. Marcus says they need  $\frac{6}{15}$  cup of water. Who is correct? Explain.

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10. A farmer took  $\frac{2}{3}$  of the strawberries that he harvested to a market. At the market, the farmer sold  $\frac{1}{4}$  of the strawberries. How can you find what part of the harvested strawberries were sold at the market? For 10a-10d, choose the number that makes each sentence true.

10a. Draw a rectangular array with 3 rows and

- |   |
|---|
| 3 |
| 4 |
| 5 |

columns.

10b. Shade

- |   |
|---|
| 1 |
| 2 |
| 3 |

of the rows gray.

10c. Shade

- |   |
|---|
| 2 |
| 3 |
| 4 |

of the gray squares black.

10d. The farmer sold

- |               |
|---------------|
| $\frac{3}{8}$ |
| $\frac{1}{4}$ |
| $\frac{1}{6}$ |

of his strawberries at the market.