Multiplying Fractions

1 In your own words, describe the method for multiplying fractions discovered in class.

_____

_____

_____

Use the fraction multiplication algorithm described above to solve Problems 2–7.

2 $\frac{1}{2} * \frac{3}{6} =$ _____

3 $\frac{2}{3} * \frac{1}{4} =$ _____

4 $\frac{3}{5} * \frac{1}{6} =$ _____

5 $\frac{3}{4} * \frac{3}{8} =$ _____

6 $\frac{2}{5} * \frac{4}{10} =$ _____

7 $\frac{7}{9} * \frac{2}{12} =$ _____

8 Choose one of the problems above. Draw an area model for the problem. Explain how it shows that your answer is correct.
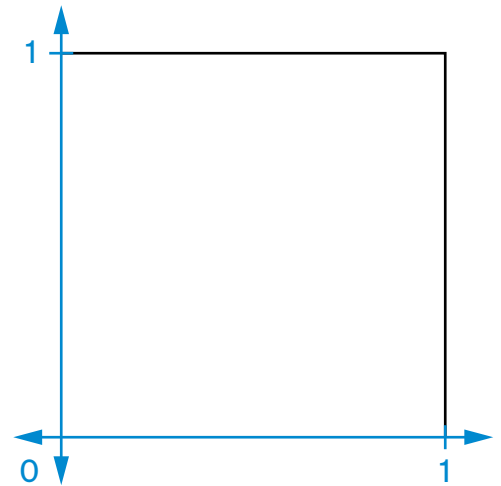
_____

_____

_____

_____

_____

For Problems 9 and 10, write a number model. Then solve.

9 Sheila had $\frac{3}{4}$ pound of blueberries. She used $\frac{1}{3}$ of them in a fruit salad. How many pounds of blueberries did she use?

Number model: _____

Answer: _____ pound

10 The mirror in a dollhouse is $\frac{2}{4}$-inch wide and $\frac{3}{4}$-inch tall. What is the area of the mirror in square inches?

Number model: _____

Answer: _____ square inch

11 Ben tried to solve Problem 9 and got the answer $\frac{4}{7}$. He said, "That can't be right because $\frac{1}{3}$ is less than $\frac{4}{7}$." Do you agree with Ben? Explain.

_____

_____