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Module 6 **Computational Fluency of Fractions**
Lesson 5 **Multiplying Fractions**

**Independent
Practice**

6.5

1. Colby spent $\frac{9}{10}$ of his allowance on ingredients for baking. Three-tenths of the money spent on baking was spent on cake ingredients. What fraction of Colby's allowance was spent on cake ingredients? Use the models.

Find the product.

2. $\frac{3}{7} \times \frac{5}{6}$

3. $12 \times \frac{2}{3}$

4. $2\frac{1}{3} \times \frac{3}{5}$

5. $\frac{1}{5} \times 14$

6. $6\frac{1}{8} \times \frac{3}{7}$

7. $1\frac{5}{6} \times 4\frac{1}{2}$

8. Four-sevenths of the students in the school choir are girls. One-sixth of the girls are sopranos. What fraction of the students in the choir are female sopranos?
9. Three-fourths of the flowers Peter bought were long stemmed flowers. Two-thirds of the long stemmed flowers were roses. How many of all the flowers were roses if Peter bought 24 flowers?

10. Alex took 81 pictures while on vacation. Eight-ninths of the pictures were taken while he was at the beach. How many pictures did he take while at the beach?
11. David read $9\frac{1}{4}$ pages of a library book for his book report. He read $\frac{4}{5}$ of those pages at home. How many pages of the library book did David read at home?
12. Amanda will draw a chalk line on the basketball court $6\frac{1}{3}$ yards long. One-half of the line will be drawn in green. What length of the line will be green?
13. Candice surveyed several students and found that $\frac{3}{4}$ of them had a pet. Of those, $\frac{2}{9}$ had a turtle. What fraction of those surveyed had a turtle? If 96 students were surveyed, how many had turtles?

Evaluate.

14. $\frac{2}{3} \times 2\frac{1}{4}$

15. $1\frac{1}{5} \times 1\frac{1}{9}$

16. $\frac{2}{3} \times \frac{1}{4}$

17. $\left(\frac{1}{8} \times \frac{4}{5}\right) \times 4$

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Journal

1. After being simplified, the product of two fractions was $\frac{3}{8}$. What could those two fractions have been? Give two possible pairs. Explain how you chose your fractions.
2. Explain why the product of two fractions less than one results in a fraction that is smaller than either fraction. Use an example in your explanation.
3. Explain two ways to find $\frac{1}{6} \times \frac{3}{5}$ without a model.

Cumulative Review

Simplify.

1. $\frac{12}{18}$

2. $\frac{28}{49}$

3. $\frac{13}{5}$

4. $\frac{6}{5}$

Find the product or quotient.

5. 0.44×6

6. $10.37 \div 1.7$

Solve.

7. $\frac{3}{8} + \frac{7}{8}$

8. $\frac{5}{6} + \frac{1}{3}$

Solve.

9. $\frac{7}{12} - \frac{5}{12}$

10. $\frac{3}{5} - \frac{1}{10}$

11. $3\frac{1}{6} + 1\frac{2}{5}$

12. $9\frac{3}{8} - 2\frac{1}{2}$