LESSON 3-9 **Review** **Name:** **Period:**

Multiplying Fractions and Mixed Numbers

Multiply. Write each answer in simplest form.

1. $5 \cdot \frac{1}{2}$
2. $9 \cdot \frac{3}{4}$
3. $\frac{9}{15} \cdot \frac{5}{7}$
4. $\frac{7}{12} \cdot \frac{6}{14}$
5. $2\frac{1}{3} \cdot \frac{3}{5}$
6. $3\frac{2}{5} \cdot \frac{1}{2}$
7. $4\frac{5}{6} \cdot \frac{2}{5}$
8. $2\frac{1}{3} \cdot 3\frac{3}{8}$
9. $1\frac{3}{5} \cdot 6\frac{2}{3}$
10. $2\frac{2}{5} \cdot 4\frac{5}{6}$

11. Rolf spent 15 hours last week practicing his saxophone. If $\frac{3}{10}$ of the time was spent practicing warm-up routines, how much time did he spend practicing warm-up routines?

_____

12. A muffin recipe calls for $\frac{2}{5}$ tablespoon of vanilla extract for 6 muffins. Arthur is making 18 muffins. How much vanilla extract does he need?

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LESSON 3-10

Dividing Fractions and Mixed Numbers

Divide. Write each answer in simplest form.

13. $4 \div \frac{1}{2}$
14. $\frac{1}{5} \div \frac{1}{4}$
15. $\frac{1}{3} \div \frac{3}{5}$
16. $3\frac{1}{4} \div \frac{2}{5}$
17. $6\frac{1}{9} \div \frac{1}{6}$
18. $2\frac{1}{4} \div 1\frac{3}{4}$
19. $3\frac{3}{4} \div 2\frac{5}{6}$
20. $5\frac{1}{3} \div 1\frac{4}{5}$
21. $7\frac{2}{3} \div 1\frac{1}{5}$

22. Burger Barn has $46\frac{2}{3}$ pounds of ground beef. How many $\frac{1}{3}$-pound burgers can be made using all the ground beef? _____

23. Roberto needs some roofing tiles to be cut from a large tile. How many tiles that are each $14\frac{3}{8}$ inches in length can he cut from a larger piece of tile that is $100\frac{5}{8}$ inches long? _____