Name _____ Date _____ Class _____

LESSON 3-10

Practice B

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. $6 \cdot -\frac{2}{5}$ _____

4. $\frac{9}{15} \cdot \frac{5}{7}$ _____

5. $\frac{9}{14} \cdot -\frac{7}{9}$ _____

6. $\frac{7}{12} \cdot \frac{6}{14}$ _____

7. $-12 \cdot \frac{3}{7}$ _____

8. $15 \cdot \frac{5}{6}$ _____

9. $21 \cdot \frac{3}{8}$ _____

10. $2\frac{1}{3} \cdot \frac{3}{5}$ _____

11. $3\frac{2}{5} \cdot \frac{1}{2}$ _____

12. $4\frac{5}{6} \cdot \frac{2}{5}$ _____

13. $2\frac{2}{5} \cdot \frac{2}{3}$ _____

14. $3\frac{3}{4} \cdot \frac{2}{5}$ _____

15. $8\frac{1}{6} \cdot \frac{3}{7}$ _____

16. $2\frac{1}{3} \cdot 3\frac{3}{8}$ _____

17. $1\frac{3}{5} \cdot 6\frac{2}{3}$ _____

18. $2\frac{2}{5} \cdot 4\frac{5}{6}$ _____

19. 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?

_____

20. 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?

_____

Name _____ Date _____ Class _____

LESSON 3-11

Practice B

Dividing Fractions and Mixed Numbers

Divide. Write each answer in simplest form.

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

2. $\frac{1}{5} \div \frac{1}{4}$ _____

3. $\frac{1}{3} \div \frac{3}{5}$ _____

4. $\frac{8}{9} \div \frac{2}{3}$ _____

5. $-\frac{3}{8} \div \frac{3}{4}$ _____

6. $\frac{7}{10} \div \frac{3}{5}$ _____

7. $\frac{5}{12} \div \frac{2}{5}$ _____

8. $\frac{3}{4} \div \frac{4}{9}$ _____

9. $\frac{7}{12} \div \frac{3}{4}$ _____

10. $-4\frac{1}{6} \div \frac{1}{3}$ _____

11. $3\frac{1}{4} \div \frac{2}{5}$ _____

12. $6\frac{1}{9} \div \frac{1}{6}$ _____

13. $2\frac{1}{4} \div 1\frac{3}{4}$ _____

14. $3\frac{3}{4} \div 2\frac{5}{6}$ _____

15. $5\frac{1}{3} \div -1\frac{4}{5}$ _____

16. $2\frac{1}{2} \div 2\frac{1}{3}$ _____

17. $-1\frac{3}{4} \div 1\frac{1}{4}$ _____

18. $7\frac{2}{3} \div 1\frac{1}{5}$ _____

19. 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?

_____

20. 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?

_____