

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?
- _____

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?
- _____