

2.7

Mixed Number Multiplication

• Example 1

$$\begin{aligned} 1\frac{1}{2} \times \frac{3}{4} &= \frac{3}{2} \times \frac{3}{4} \\ &= \frac{3 \times 3}{2 \times 4} \\ &= \frac{9}{8} = 1\frac{1}{8} \end{aligned}$$

• • • CHECK YOURSELF 1

Multiply.

$$\frac{5}{8} \times 3\frac{1}{2}$$

• • • CHECK YOURSELF ANSWER

1. $\frac{5}{8} \times 3\frac{1}{2} = \frac{5}{8} \times \frac{7}{2} = \frac{35}{16} = 2\frac{3}{16}$.

2.7 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

Multiply. Be sure to simplify each product.

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

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

3. $\frac{5}{8} \times 1\frac{3}{4}$

4. $\frac{7}{8} \times 1\frac{3}{5}$

5. $3\frac{1}{3} \times \frac{9}{11}$

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

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

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

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

10. $2\frac{1}{4} \times \frac{1}{5}$

11. $1\frac{7}{15} \times \frac{5}{6}$

12. $\frac{3}{8} \times 3\frac{3}{7}$