

3.11

Dividing a Mixed Number by Another

• Example 1

$$2\frac{3}{8} \div 1\frac{3}{4} = \frac{19}{8} \div \frac{7}{4}$$

Write the mixed numbers as improper fractions.

$$= \frac{19}{8} \times \frac{4}{7}$$

$$= \frac{19}{14} = 1\frac{5}{14}$$

• • • CHECK YOURSELF 1

$$3\frac{1}{5} \div 2\frac{2}{5}$$

• • • CHECK YOURSELF ANSWER

$$1. \quad 3\frac{1}{5} \div 2\frac{2}{5} = \frac{16}{5} \div \frac{12}{5} = \frac{16}{5} \times \frac{5}{12} = \frac{4}{3} = 1\frac{1}{3}$$

3.11 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Divide.

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

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

3. $3\frac{3}{4} \div 1\frac{3}{8}$

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

5. $2\frac{1}{3} \div 1\frac{5}{9}$

6. $8\frac{3}{4} \div 3\frac{1}{8}$

7. $3\frac{3}{5} \div 2\frac{7}{10}$

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

9. $6\frac{1}{8} \div 2\frac{1}{2}$

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