

# 2.11

## 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

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


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### • • • CHECK YOURSELF ANSWER

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


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# 2.11 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.  $5\frac{1}{4} \div 1\frac{1}{2}$