

## Reteaching 5-4 Multiplying and Dividing Fractions

Find  $3\frac{2}{3} \cdot 1\frac{4}{5}$ 

$$3\frac{2}{3} \cdot 1\frac{4}{5} = \frac{11}{3} \cdot \frac{9}{5}$$

Change to improper fractions.

$$= \frac{11}{\cancel{3}^1} \cdot \frac{\cancel{9}^3}{5}$$

Divide the common factors.

$$= \frac{33}{5} = 6\frac{3}{5}$$

Simplify.

Find  $-1\frac{1}{2} \div 2\frac{1}{4}$ 

$$-1\frac{1}{2} \div 2\frac{1}{4} = -\frac{3}{2} \div \frac{9}{4}$$

Change to improper fractions.

$$= -\frac{\cancel{3}^1}{\cancel{2}^2} \cdot \frac{\cancel{4}^2}{9}$$

Multiply by the reciprocal.

$$= -\frac{1}{1} \cdot \frac{2}{3}$$

Divide the common factors.

$$= -\frac{2}{3}$$

Simplify.

Check your sign with the original problem. A negative times a positive has a negative product.

### Find each product.

1.  $\frac{7}{9} \cdot \frac{3}{7} =$  \_\_\_\_\_

2.  $2\frac{1}{5} \cdot (-1\frac{1}{11}) =$  \_\_\_\_\_

3.  $-3\frac{7}{8} \cdot 2\frac{2}{3} =$  \_\_\_\_\_

4.  $5\frac{1}{7} \cdot 4\frac{2}{3} =$  \_\_\_\_\_

### Find each quotient.

5.  $-\frac{6}{11} \div \frac{4}{11} =$  \_\_\_\_\_

6.  $1\frac{1}{6} \div 2\frac{1}{3} =$  \_\_\_\_\_

7.  $-4\frac{1}{5} \div (-1\frac{3}{4}) =$  \_\_\_\_\_

8.  $-6\frac{1}{8} \div \frac{7}{3} =$  \_\_\_\_\_