

Adding, Subtracting, Multiplying,  
and Dividing Rational Numbers

1. Write each rational number in  
lowest term

$$\frac{-54}{60}$$

2. Write each rational number in  
lowest term

$$\frac{6}{8} \cdot \frac{14}{24}$$

3. Write each rational number in  
lowest term

$$8 \cdot \frac{3}{16}$$

4. Find the reciprocal of each  
number

$$\frac{7}{8}$$

5. Find the quotient and write in  
lowest terms

$$\frac{5}{2} \div \left( -\frac{8}{15} \right)$$

6. Find the quotient and write in lowest terms

$$\frac{12}{10} \div \frac{24}{15}$$

7. Find the quotient and write in lowest terms

$$-3 \div \frac{5}{6}$$

8. Find the sum or difference and write in lowest terms

$$\frac{3}{7} - \left(-\frac{11}{7}\right)$$

9. Find the sum or difference and write in lowest terms

$$2 - \frac{2}{5}$$

10. Find the sum or difference and write in lowest terms

$$-\frac{1}{4} + \left(-\frac{5}{18}\right)$$

11. Find the sum or difference and write in lowest terms

$$\frac{11}{6} - \frac{7}{4}$$