Fractions and Mixed Numbers

Write each number as a factor of primes:

Example 1: 60 =   Example 2: 56 =

Reduce to lowest terms:

Example 3: $\dfrac{15}{20}$ =   Example 4: $\dfrac{42}{45}$ =

Multiply or divide:

Example 5: $\dfrac{7}{8} \cdot \dfrac{3}{21} =$ Example 6: $\dfrac{3}{5} \div \dfrac{9}{10} =$

Add or subtract:

Example 7: $-\dfrac{16}{35} + \dfrac{1}{35} =$ Example 8: $\dfrac{4}{15} - \dfrac{1}{12} =$

Perform the indicated operation:

Example 9: $8\dfrac{3}{5} \div 2\dfrac{9}{10} =$ Example 10: $4\dfrac{7}{8} - 2\dfrac{3}{16} =$

Example 11: $17\dfrac{2}{5} + 30\dfrac{2}{3} =$ Example 12: $2\dfrac{1}{4} \cdot 3\dfrac{2}{3} =$