# SUBTRACT FRACTIONS WITH UNLIKE DENOMINATORS AND SIMPLIFY THE DIFFERENCE

# **PROBLEM**

Subtract: 
$$\frac{14}{15} - \frac{7}{20}$$
 (Simplify the answer if possible.)

#### STEP 1

Find the least common denominator for 15 and 20 by finding the least common multiple of the two numbers.

The least common multiple of 15 and 20 is 60, so the least common denominator is 60.

### STEP 2

Change each fraction to an equivalent fraction with the denominator 60.

# STEP 3

Subtract the fractions.

## STEP 4

Simplify the answer.

$$\frac{35 \div 5}{60 \div 5} = \frac{7}{12}$$

#### **ANSWER**

$$\frac{14}{15} - \frac{7}{20} = \frac{7}{12}$$