

Common Denominator

The Reducing Method for larger composite numbers

The Reducing Method is derived directly from the LCM

Procedure:

1. Write the denominators as a fraction
2. Reduce (simplify)
3. Cross multiply

$$\begin{array}{r} \frac{5}{18} \\ + \frac{7}{24} \\ \hline \end{array}$$

$$\frac{18}{24} = \frac{3}{4}$$

$$18 \times 4 = 24 \times 3 = 72$$

The LCD is 72