How to Compare Fractions

$$\frac{3}{7}$$
 and $\frac{5}{9}$

1. Find a common denominator by multiplying the denominator of the first fraction by the denominator of the second fraction. This will be the new denominator for both fractions.

2. Multiply the numerator of the first fraction by the denominator of the second fraction. This is the new numerator for the first fraction.

$$\frac{3}{7}$$
 and $\frac{5}{9}$ $\frac{3}{7} + \frac{5}{9}$ $\frac{3 \times 9 = 27 = \text{new}}{\text{numerator}}$ $\frac{3}{7} = \frac{27}{63}$ for $\frac{3}{7}$

3. Multiply the numerator of the second fraction by the denominator of the first fraction. This is the new numerator of the second fraction.

$$\frac{3}{9}$$
 and $\frac{5}{9}$

$$\frac{3}{7}$$
 $\frac{5}{9}$ $\frac{5}{9} = \frac{35}{63}$ New Numerator for $\frac{5}{9} = \frac{35}{63}$

4. Compare the numerators of the new fractions.

$$\frac{27}{63}$$
 $\frac{35}{63}$ $\frac{7}{9}$ $\frac{3}{7}$ $\frac{5}{9}$ $\frac{3}{7}$ $\frac{5}{9}$