



## How to Compare Fractions to Determine Whether They Are Equivalent Using Least Common Denominators.

Example:  $\frac{3}{4}$ ,  $\frac{5}{8}$

- The first step is to compare the denominators and see whether they are the same.
- If not, find L.C.M. List the multiples of 4 and 8 and then they

**(4, 8 → L.C.M Value is 8)**

- Then, make the given denominator as same as L.C.M Value.  
To make  $\frac{3}{4}$  have a denominator of 8, we must multiply it by 2, but we must do this in a way that preserves the original value of the fraction. Therefore, we multiply by  $\frac{2}{2}$ .

$$\frac{3}{4} \times \frac{2}{2} = \frac{6}{8}$$

Since  $\frac{5}{8}$  already has a denominator of 8, we multiply by one, which does not change the digit in the denominator.

$$\frac{5}{8} \times \frac{1}{1} = \frac{5}{8}$$

- Compare the answers. Now that we have calculated the values of the numerators and denominators, we can compare the numerators and determine which fraction is greater.

**Answers:**  $\frac{6}{8} > \frac{5}{8}$