

Comparing fractions lesson - 2

Comparing fractions with like numerators but different denominators

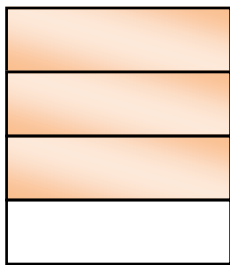
When two or more fractions have the like numerators but different denominators; it is still very easy to compare such fractions.

If two or more fractions have the same numerators, then the fraction with the largest denominator is smallest and the fraction with the smallest denominator is the largest.

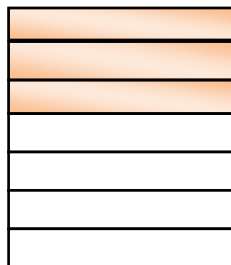
Consider the following fractions with the same numerator (3) and we want to compare them and rewrite them in a descending order (largest to smallest).

$$\frac{3}{4} \quad \frac{3}{7} \quad \frac{3}{5} \quad \frac{3}{3}$$

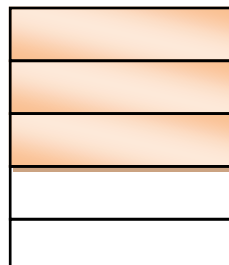
Let's draw all the fractions given above as shown below:



$$\frac{3}{4}$$



$$\frac{3}{7}$$



$$\frac{3}{5}$$



$$\frac{3}{3}$$

In the first fraction there are 3 out of 4 parts colored, in second fraction 3 out of 7 parts colored, in third fraction 3 out of 5 parts colored and in fourth one 3 out of 3 parts are colored. Now, it can be clearly seen that $\frac{3}{3}$ (fraction with the least denominator) is the largest colored fraction and $\frac{3}{7}$ (fraction with the greatest denominator) is the least colored fractions (by looking at the colored area for each fraction).

Rewrite the given fraction in descending order (from greatest to least fraction).

$$\frac{3}{3} > \frac{3}{4} > \frac{3}{5} > \frac{3}{7}$$

Summary: While [comparing fractions with same numerators](#), look at their denominators to compare these fractions. Fraction with the largest denominator is the least and that with the least denominator is largest.