Comparing Fractions

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At times we need to compare the size of fractions to see which is larger or smaller, or if the two are equal. In many situations several fractions must be placed in order of size. Unless fractions have the same bottom number which is the denominator and thus parts of the same size, we won't know for certain which is larger or if they are equal.

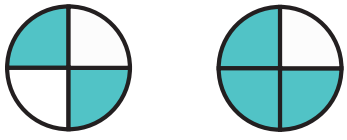
Which is larger $\frac{1}{3}$ or $\frac{5}{6}$? Who knows? Did you notice that if 3 were doubled, it would be 6?

$\frac{1}{3}$ by $\frac{2}{2}$; = $\frac{1 \times 2}{3 \times 2} = \frac{2}{6}$

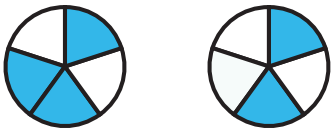
Then it's easy to see that $\frac{5}{6}$ is larger because it counts more sixth parts than $\frac{2}{6}$,

so $\frac{2}{6} < \frac{5}{6}$ means $\frac{5}{6} > \frac{2}{6}$.

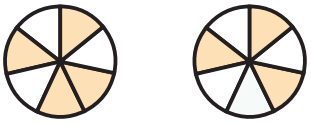
Write > (greater than), < (less than) or = (equal to) between the fractions.



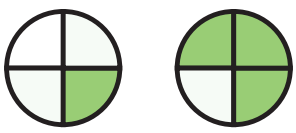
$\frac{2}{4}$ < $\frac{3}{4}$



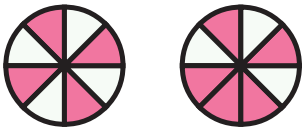
$\frac{3}{5}$ ☐ $\frac{2}{5}$



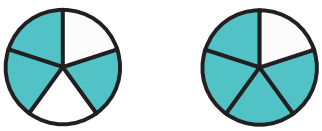
$\frac{4}{7}$ ☐ $\frac{3}{7}$



$\frac{1}{4}$ ☐ $\frac{3}{4}$



$\frac{4}{8}$ ☐ $\frac{5}{8}$



$\frac{3}{5}$ ☐ $\frac{4}{5}$