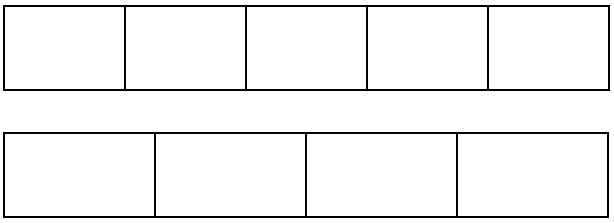
2.2.21

L.O. To compare fractions

1. Write <, > or = to compare the fractions.
   Use the bar models to help you.

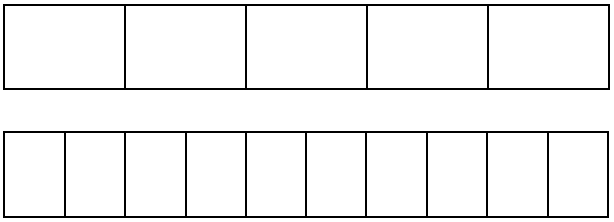
a.

$\frac{3}{6}$ ◯ $\frac{3}{4}$



b.

$\frac{2}{5}$ ◯ $\frac{3}{10}$

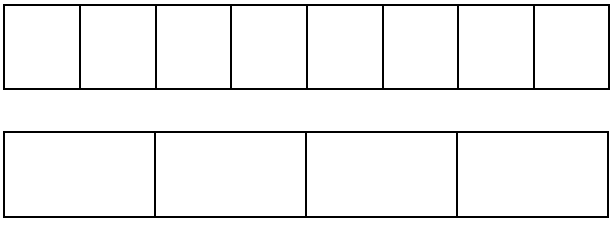


c.

$\frac{2}{3}$ ◯ $\frac{6}{9}$

d.

$\frac{7}{8}$ ◯ $\frac{3}{4}$



2. Here's how to do compare fractions without the bar model:

$\frac{3}{5}$ ◯ $\frac{7}{10}$

We have to convert the fifths into tenths to make it much easier to compare the fractions so we multiply both the numerator and denominator of $^3/_5$ by 2.

$\frac{3}{5} \times 2 = \frac{6}{10}$

$^3/_5$ is equivalent to $^6/_{10}$ and that's less than $^7/_{10}$ so we answer the original question like this:

$\frac{3}{5} < \frac{7}{10}$

Compare the following fractions using this method.

a.

$\frac{5}{6}$ ◯ $\frac{11}{12}$

b.

$\frac{1}{2}$ ◯ $\frac{2}{5}$

c.

$\frac{2}{3}$ ◯ $\frac{7}{12}$

d.

$\frac{4}{5}$ ◯ $\frac{8}{10}$

e.

$\frac{11}{15}$ ◯ $\frac{3}{5}$