

# Comparing Fractions

\* If both your **DENOMINATORS** are the same...



\* If both your **NUMERATORS** are the same...



Your turn...

$$\frac{7}{8}$$

$$\frac{6}{8}$$

$$\frac{5}{7}$$

$$\frac{5}{6}$$

If you are comparing two fractions with different numerators and denominators, find equivalent fractions with the same denominator.

$$\frac{12}{20} = \frac{4}{4} \times \frac{3}{5} > \frac{2}{4} \times \frac{5}{5} = \frac{10}{20}$$

$\frac{3}{5}$  is greater than  $\frac{2}{4}$  because when you multiply to get the common denominator of 20, 12 is greater than 10.

Your turn...

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

$$\frac{4}{5}$$

You can also use the butterfly method.  
Cross multiply and then compare the products. The larger product is the side of the greater fraction.

$$3 \times 4 = 12 \quad \frac{3}{5} > \frac{2}{4} \quad 5 \times 2 = 10$$


12 is greater than 10 so  $\frac{3}{5}$  is greater than  $\frac{2}{4}$ .

Your turn...

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

$$\frac{2}{3}$$

## Can I compare fractions?

If you are comparing two fractions with different numerators and denominators, find equivalent fractions with the same denominator.

$$\frac{12}{20} = \frac{4}{4} \times \frac{3}{5} > \frac{2}{4} \times \frac{5}{5} = \frac{10}{20}$$

3/5 is greater than 2/4 because when you multiply to get the common denominator of 20, 12 is greater than 10.

★ Remember ★

**One digit per box**  
**Neat presentation**  
**Use the X grid if you need it**  
**Double check**