

• Comparing Fractions

When two fractions have the same denominator, they are like fractions and have common denominators.

✓ Like fractions - fractions with the same denominators

✓ Unlike fractions - fractions with different denominators

Examples > greater than
 < less than = equal

$$\frac{2}{3} > \frac{1}{3}$$

$$\frac{4}{9} > \frac{2}{9}$$

$$\frac{1}{3} > \frac{1}{4}$$

$$\frac{2}{6} < \frac{3}{4}$$

$$\frac{1 \cdot 2}{3 \cdot 2} = \frac{2}{6}$$

$$\frac{1 \cdot 3}{2 \cdot 3} = \frac{3}{6}$$

$$\begin{array}{r} \frac{3}{4} \\ \downarrow \\ \frac{12}{16} \end{array} > \begin{array}{r} \frac{9}{16} \\ \downarrow \\ \frac{9}{16} \end{array}$$

$$\frac{3 \cdot 4}{4 \cdot 4} = \frac{12}{16}$$

$$\frac{9 \cdot 1}{16 \cdot 1} = \frac{9}{16}$$