

**Section 3-6:
Comparing
and Ordering
Fractions**

**To compare and order
fractions:**

Change all fractions to decimals (top divided by bottom) and follow steps for comparing decimals.

Compare using <, > or =

$$\frac{1}{2} < \frac{3}{4}$$

$$0.50 \quad 0.75$$

$$\frac{5}{9} = 0.\overline{5}$$

$$0.\overline{5}$$

$$-\frac{1}{3} > -\frac{4}{9}$$

$$-0.\overline{3} \quad -0.\overline{4}$$

Order from least to greatest:

$$\frac{1}{3} = 0.\overline{3}$$

$$\frac{5}{6} = 0.8\overline{3}$$

$$\frac{6}{5} = 1.2$$

$$\frac{2}{3} = 0.\overline{6}$$

$$\frac{1}{3}, \frac{5}{6}, \frac{6}{5}, \frac{2}{3}$$

$$\frac{1}{3}, \frac{2}{3}, \frac{5}{6}, \frac{6}{5}$$