

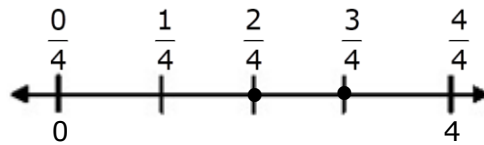
Compare and Order Fractions

You can use fraction bars and number lines to compare fractions.

Use the number line below to compare. Write $<$, $>$, or $=$ for the



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



As you move to the right on a number line, the fractions become greater.

Locate $\frac{2}{4}$ and $\frac{3}{4}$ on the number line. Since $\frac{3}{4}$ is farther to the right on the number line that is greater.

$$\text{So, } \frac{2}{4} < \frac{3}{4}.$$

Examples:

A- Compare. Write $<$, $>$, or $=$ for each.

1) $\frac{6}{8}$ $\frac{4}{8}$

$$\frac{6}{8} > \frac{4}{8}$$

2) $\frac{3}{12}$ $\frac{5}{10}$

$$\frac{3}{12} < \frac{5}{10}$$

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

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

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

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

5) $\frac{2}{10}$ $\frac{1}{5}$

$$\frac{2}{10} = \frac{1}{5}$$

6) $\frac{4}{8}$ $\frac{3}{4}$

$$\frac{4}{8} < \frac{3}{4}$$

My Real Life

Grace lives $\frac{2}{6}$ mile from school and $\frac{4}{8}$ mile from the house where she takes her piano lesson. Which is closer to where Grace lives, the school or the house where she takes her piano lessons?



$$\frac{2}{6} \text{ is less than } \frac{4}{8}$$

So the school is closer to where Grace lives.