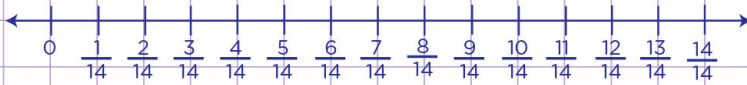


Name: Class:

Graph and compare fractions with like numerators and denominators using number lines

a. Graph $\frac{1}{2}$ and $\frac{4}{7}$ on the number line below. State which fraction is greater.



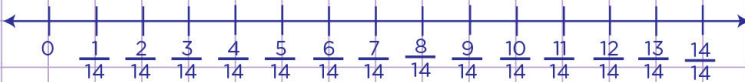
b. Graph $\frac{2}{6}$ and $\frac{4}{6}$ on the number line below. State which fraction is smaller.



Name: Class:

Graph and compare fractions with like numerators and denominators using number lines

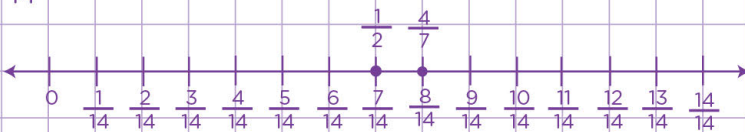
- a. Graph $\frac{1}{2}$ and $\frac{4}{7}$ on the number line below. State which fraction is greater.



Let's first represent $\frac{1}{2}$ and $\frac{4}{7}$ on the number line.

If we try to divide the number line above into 2 equal parts, you see that a $\frac{1}{2}$ will fall at the fraction $\frac{7}{14}$.

If we also try to divide the number line above into 7 equal parts, you see that $\frac{4}{7}$ will fall at the fraction $\frac{8}{14}$.

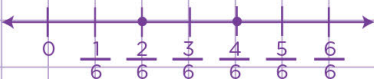


Finally, let's compare the fractions.

Since $\frac{4}{7}$ is further from zero than $\frac{1}{2}$, it implies that $\frac{1}{2}$ is smaller than $\frac{4}{7}$.

Hence $\frac{4}{7}$ is greater.

- b. Graph $\frac{2}{6}$ and $\frac{4}{6}$ on the number line below. State which fraction is smaller.



Let's first of all locate $\frac{2}{6}$ and $\frac{4}{6}$ on the number line above. Then, graph the points.

Finally, let's compare the fractions.

Since $\frac{2}{6}$ is closer to zero than $\frac{4}{6}$, it implies that $\frac{2}{6}$ is less than $\frac{4}{6}$.

So, $\frac{2}{6}$ is smaller.

