Place the two fractions on the number line. Circle the fraction with the distance closest to 0. Then, compare using >, <, or =.

1. \( \frac{1}{3} \)  \( \frac{2}{3} \)

2. \( \frac{4}{6} \)  \( \frac{1}{6} \)

3. \( \frac{1}{4} \)  \( \frac{1}{8} \)

4. \( \frac{4}{5} \)  \( \frac{4}{10} \)

5. \( \frac{8}{5} \)  \( \frac{5}{3} \)
6. Liz and Jay each have a piece of string. Liz's string is $\frac{4}{9}$ yard long, and Jay's string is $\frac{5}{7}$ yard long. Whose string is longer? Draw a number line to model the length of both strings. Explain the comparison using pictures, numbers, and words.

Jay's string is just a little bit longer than Liz's string.

$\frac{5}{7} > \frac{4}{6}$

7. In a long jump competition, Wendy jumped $\frac{9}{10}$ meter, and Judy jumped $\frac{10}{9}$ meter. Draw a number line to model the distance of each girl's long jump. Who jumped the shorter distance? Explain how you know using pictures, numbers, and words.

Wendy jumped the shorter distance. I know that $\frac{9}{10}$ is less than 1 and Judy had $\frac{10}{9}$ which is more than 1, so I know that Judy jumped further than Wendy.

8. Nikki has 3 pieces of yarn. The first piece is $\frac{5}{6}$ feet long, the second piece is $\frac{5}{3}$ feet long, and the third piece is $\frac{3}{2}$ feet long. She wants to arrange them from the shortest to the longest. Draw a number line to model the length of each piece of yarn. Write a number sentence using $<$, $>$, or $=$ to compare the pieces. Explain using pictures, numbers, and words.

The number line shows that $\frac{5}{6}$ is less than 1 so it is the shortest.

Both $\frac{5}{3}$ and $\frac{3}{2}$ are more than 1. On the number line $\frac{3}{2}$ is further away from 0 so it is the longest piece of string.