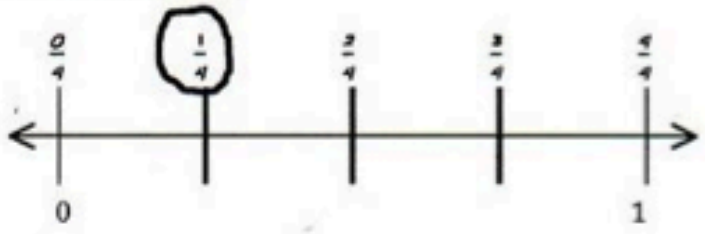
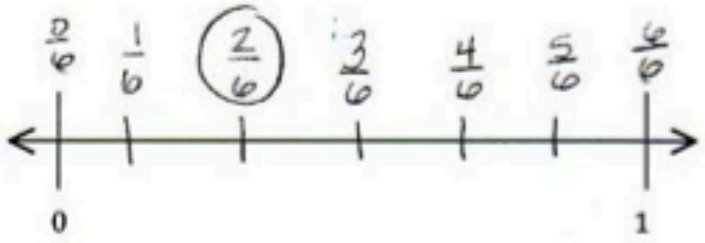
Directions: Place the 2 fractions on the number line. Circle the fraction with the distance closest to 0. Then compare using >, <, or =. The first problem is done for you.

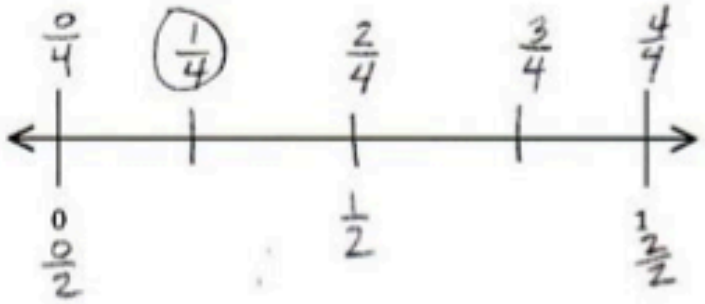
1. $\frac{1}{4}$ < $\frac{3}{4}$



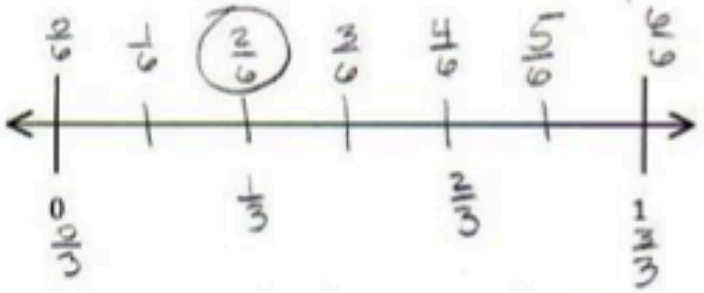

2. $\frac{2}{6}$ < $\frac{3}{6}$



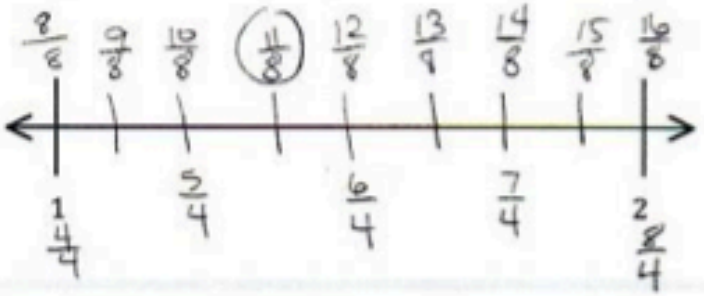

3. $\frac{1}{2}$ > $\frac{1}{4}$



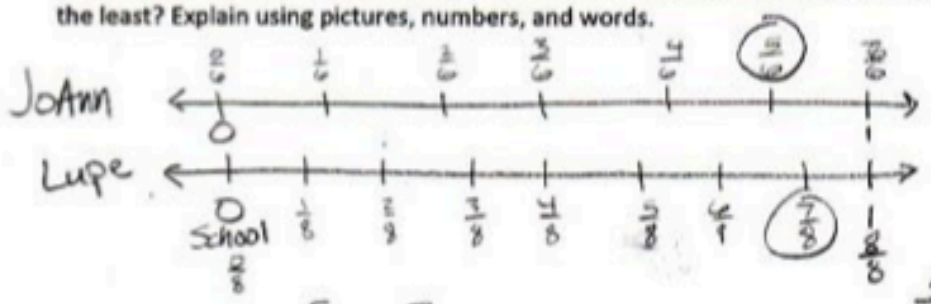

4. $\frac{2}{3}$ > $\frac{2}{6}$




5. $\frac{11}{8}$ < $\frac{7}{4}$



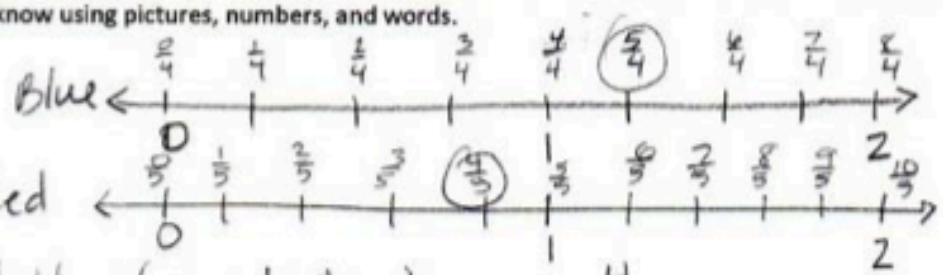
6. JoAnn and Lupe live straight down the street from their school. JoAnn walks $\frac{5}{6}$ mile and Lupe walks $\frac{7}{8}$ mile home from school every day. Draw a number line to model how far each girl walks. Who walks the least? Explain using pictures, numbers, and words.




$\frac{5}{6} < \frac{7}{8}$

JoAnn walks the least home from school. My number lines show me that $\frac{5}{6}$ is closer to 0 than $\frac{7}{8}$ is, so $\frac{5}{6}$ is less.

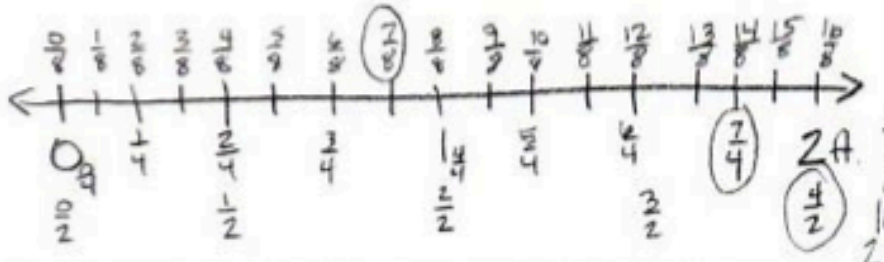
7. Cheryl cuts 2 pieces of thread. The blue thread is $\frac{5}{4}$ meters long. The red thread is $\frac{4}{5}$ meters long. Draw a number line to model the length of each piece of thread. Which piece of thread is shorter? Explain how you know using pictures, numbers, and words.




$\frac{4}{5} < \frac{5}{4}$

The red thread is shorter because $\frac{4}{5}$ is closer to zero on the number line. Also $\frac{4}{5}$ is less than 1 whole and $\frac{5}{4}$ is more than 1 whole, so $\frac{5}{4}$ is farther from zero

8. Brandon makes homemade spaghetti. He measures 3 noodles. One measures $\frac{7}{8}$ feet, the second is $\frac{7}{4}$ feet, and the third is $\frac{4}{2}$ feet long. Draw a number line to model the length of each piece of spaghetti. Write a number sentence using <, > or = to compare the pieces. Explain using pictures, numbers, and words.




$\frac{7}{8} < \frac{7}{4} < \frac{4}{2}$

The one $\frac{7}{8}$ ft long is the shortest because it is closer to zero! $\frac{4}{2}$ is the longest because that's really 2 ft! So $\frac{7}{4}$ is in the middle!