Name _____ Date _____

1. Compare the pairs of fractions by reasoning about the size of the units. Use >, <, or =.

   a. 1 third > 1 sixth

   b. 2 halves > 2 thirds

   c. 2 fourths > 2 sixths

   d. 5 eighths > 5 tenths

2. Compare by reasoning about the following pairs of fractions with the same or related numerators. Use >, <, or =. Explain your thinking using words, pictures, or numbers. Problem 2(b) has been done for you.

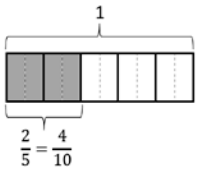
   a. $\frac{3}{6} > \frac{3}{7}$

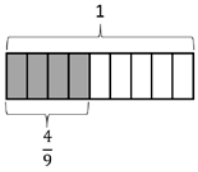
   3 sixths is greater than 3 sevenths because sixths are bigger than sevenths

   b. $\frac{2}{5} < \frac{4}{9}$

   because $\frac{2}{5} = \frac{4}{10}$

   4 tenths is less than 4 ninths because tenths are smaller than ninths.





   c. $\frac{3}{11} > \frac{3}{13}$

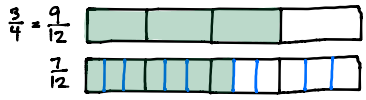
   3 elevenths is greater than 3 thirteenths because elevenths are bigger than thirteenths

   d. $\frac{5}{7} < \frac{10}{13}$ because $\frac{5}{7} = \frac{10}{14}$

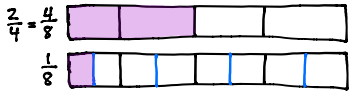
   10 fourteenths is less than 10 thirteenths because fourteenths are smaller than thirteenths

3. Draw two tape diagrams to model each pair of the following fractions with related denominators. Use >, <, or = to compare.

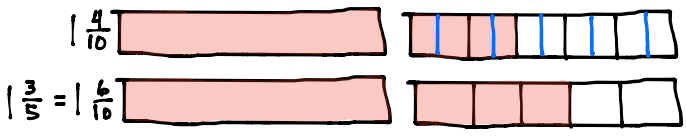
   a. $\frac{3}{4} > \frac{7}{12}$



   b. $\frac{2}{4} > \frac{1}{8}$

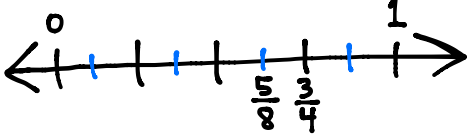


   c. $1\frac{4}{10} < 1\frac{3}{5}$

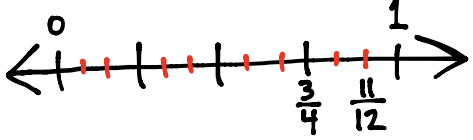


4. Draw one number line to model each pair of fractions with related denominators. Use >, <, or = to compare.

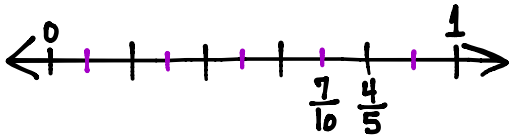
a. $\frac{3}{4}$ > $\frac{5}{8}$



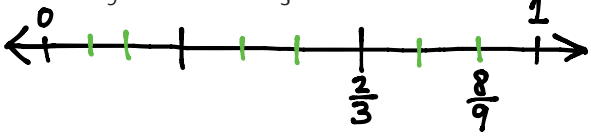
b. $\frac{11}{12}$ > $\frac{3}{4}$



c. $\frac{4}{5}$ > $\frac{7}{10}$



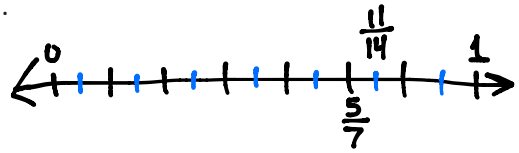
d. $\frac{8}{9}$ > $\frac{2}{3}$



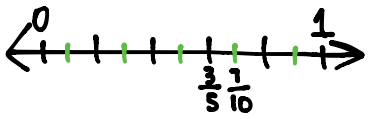
5. Compare each pair of fractions using >, <, or =. Draw a model if you choose to.

a. $\frac{1}{7}$ < $\frac{2}{7}$

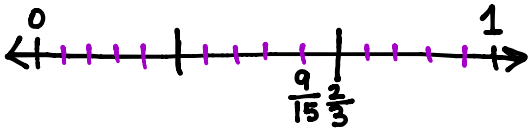
b. $\frac{5}{7}$ < $\frac{11}{14}$



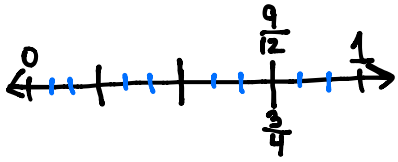
c. $\frac{7}{10}$ > $\frac{3}{5}$



d. $\frac{2}{3}$ > $\frac{9}{15}$



e. $\frac{3}{4}$ = $\frac{9}{12}$

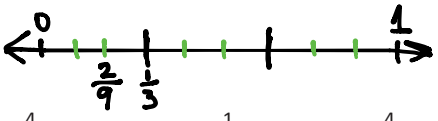


f. $\frac{5}{3}$ < $\frac{5}{2}$

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

g. $\frac{4}{3}$ > $1\frac{2}{9}$

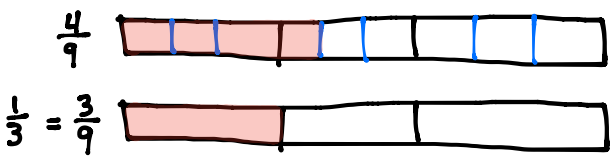
$1\frac{1}{3}$



h. $1\frac{1}{3}$ > $\frac{9}{7}$

$1\frac{2}{6}$ $1\frac{2}{7}$

6. Simon claims $\frac{4}{9}$ is greater than $\frac{1}{3}$. Ted thinks $\frac{4}{9}$ is less than $\frac{1}{3}$. Who is correct? Support your answer with a picture.



The bottom tape diagram shows $\frac{1}{3} = \frac{3}{9}$. Simon is correct, $\frac{4}{9} > \frac{1}{3}$.