

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

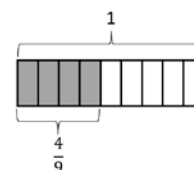
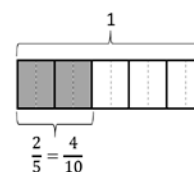
b. $\frac{2}{5} < \frac{4}{9}$

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

4 tenths is less

than 4 ninths because

tenths are smaller than ninths.



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

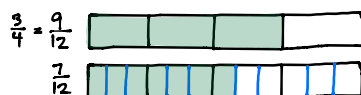
3 elevenths is greater than 3 thirteenths because elevenths are bigger than thirteenths

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

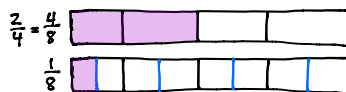
because $\frac{5}{7} = \frac{10}{14}$
10 fourteenths is less than 10 thirteenths because fourteenths are smaller than thirteenths

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

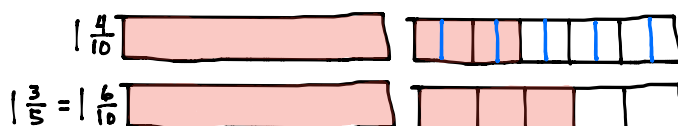
a. $\frac{3}{4} > \frac{7}{12}$



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

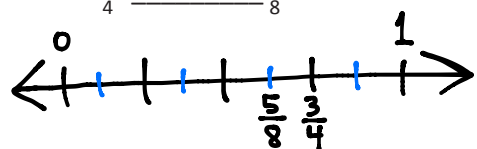


c. $1\frac{4}{10} < 1\frac{3}{5}$

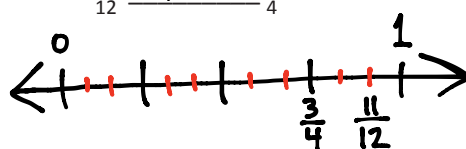


4. Draw one number line to model each pair of fractions with related denominators. Use $>$, $<$, or $=$ to compare.

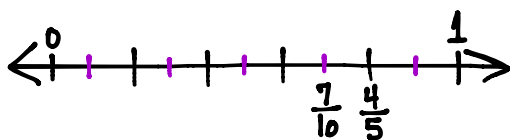
a. $\frac{3}{4} > \frac{5}{8}$



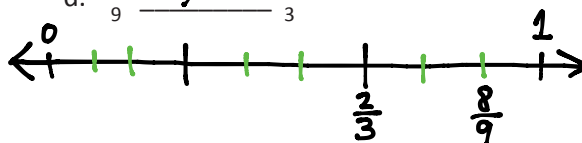
b. $\frac{11}{12} > \frac{3}{4}$



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



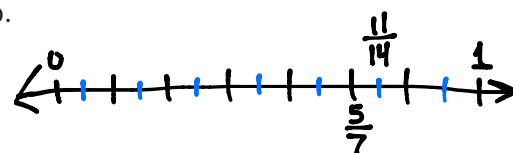
d. $\frac{8}{9} > \frac{2}{3}$



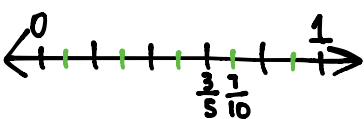
5. Compare each pair of fractions using $>$, $<$, or $=$. Draw a model if you choose to.

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

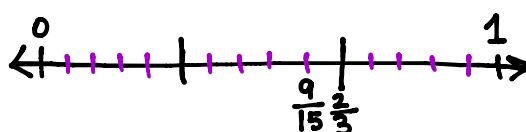
b. $\frac{5}{7} < \frac{11}{14}$



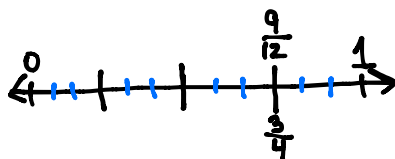
c. $\frac{7}{10} > \frac{3}{5}$



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

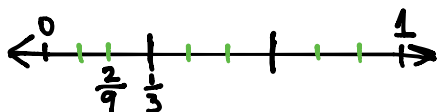


e. $\frac{3}{4} = \frac{9}{12}$



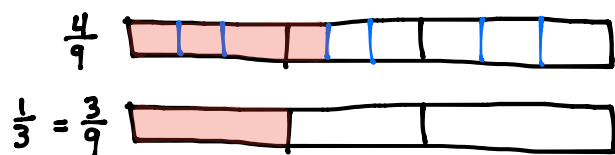
f. $1\frac{2}{3} < 2\frac{1}{2}$

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



h. $1\frac{1}{3} > 1\frac{2}{7}$

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, $\frac{4}{9} > \frac{1}{3}$.