

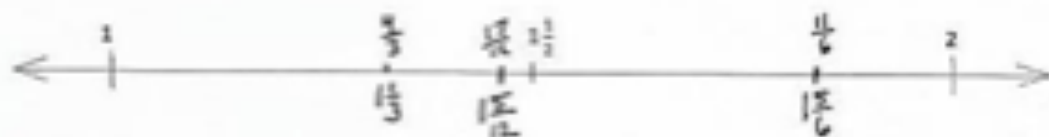
Name Jack Date _____

1. Place the following fractions on the number line given.

a. $\frac{4}{3}$

b. $\frac{11}{6}$

c. $\frac{17}{12}$



2. Use the number line in Problem 1 to compare the fractions by writing $>$, $<$, or $=$ on the lines:

a. $1\frac{5}{6}$ $>$ $1\frac{3}{12}$

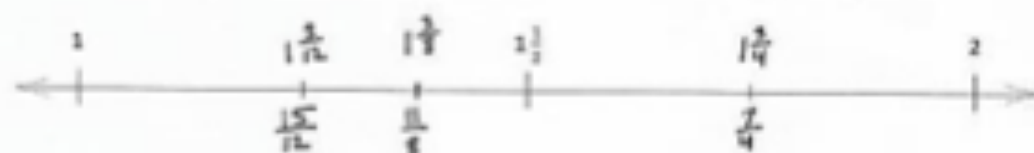
b. $1\frac{1}{3}$ $<$ $1\frac{5}{12}$

3. Place the following fractions on the number line given.

a. $\frac{11}{8}$

b. $\frac{7}{4}$

c. $\frac{15}{12}$



4. Use the number line in Problem 3 to explain the reasoning you used when determining whether $\frac{11}{8}$ or $\frac{15}{12}$ is greater.

When I found where $\frac{11}{8}$ and $\frac{15}{12}$ were on the number line, $\frac{11}{8}$ is to the right of $\frac{15}{12}$ so I know it is greater.

5. Compare the fractions given below by writing $>$ or $<$ on the lines.
Give a brief explanation for each answer referring to benchmark fractions.

a. $\frac{3}{8} < \frac{7}{12}$
 $\frac{3}{8}$ is $\frac{1}{8}$ less than $\frac{1}{2}$
 $\frac{7}{12}$ is $\frac{1}{12}$ more than $\frac{1}{2}$

b. $\frac{5}{12} < \frac{7}{8}$
 $\frac{5}{12}$ is less than $\frac{1}{2}$
 $\frac{7}{8}$ is almost 1

c. $\frac{8}{4} > \frac{11}{12}$
 $\frac{8}{4}$ is greater than 1.
 $\frac{11}{12}$ is less than 1.

d. $\frac{5}{12} > \frac{1}{3}$
 $\frac{5}{12}$ is closer to $\frac{1}{2}$.

e. $\frac{7}{5} > \frac{11}{10}$
 $\frac{11}{10}$ is close to 1.

f. $\frac{5}{4} > \frac{7}{8}$
 $\frac{5}{4}$ is greater than 1.
 $\frac{7}{8}$ is less than 1.

g. $\frac{13}{12} > \frac{9}{10}$
 $\frac{13}{12}$ is greater than 1.
 $\frac{9}{10}$ is less than 1.

h. $\frac{6}{5} < \frac{3}{4}$
 $\frac{6}{5}$ is greater than 1.
 $\frac{3}{4}$ is less than 1.

i. $\frac{8}{12} < \frac{8}{4}$
 $\frac{8}{12}$ is less than 1
 $\frac{8}{4}$ is equal to 2.

j. $\frac{7}{5} < \frac{16}{10}$
 $\frac{7}{5}$ is less than $1\frac{1}{2}$
 $\frac{16}{10}$ is greater than $1\frac{1}{2}$