

Name \_\_\_\_\_

Date \_\_\_\_\_

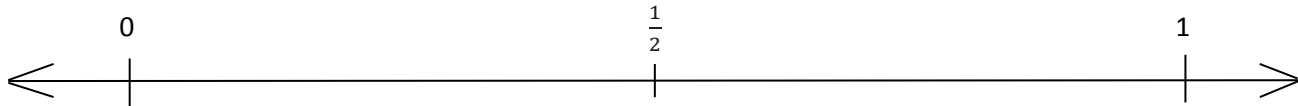
1.

- a. Plot the following points on the number line without measuring.

i.  $\frac{2}{3}$

ii.  $\frac{1}{6}$

iii.  $\frac{4}{10}$



- b. Use the number line in Part (a) to compare the fractions by writing
- $>$
- ,
- $<$
- , or
- $=$
- on the lines.

i.  $\frac{2}{3}$  \_\_\_\_\_  $\frac{1}{2}$

ii.  $\frac{4}{10}$  \_\_\_\_\_  $\frac{1}{6}$

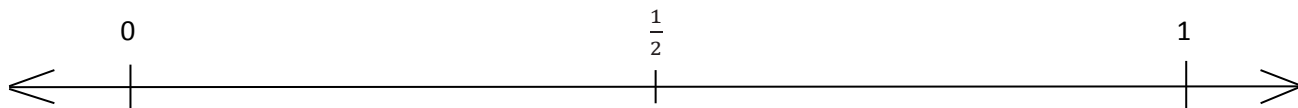
2.

- a. Plot the following points on the number line without measuring.

i.  $\frac{5}{12}$

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

iii.  $\frac{2}{6}$



- b. Select two fractions from Part (a), and use the given number line to compare them by writing
- $>$
- ,
- $<$
- , or
- $=$
- .

- c. Explain how you plotted the points in Part (a).

3. Compare the fractions given below by writing  $>$  or  $<$  on the lines.

Give a brief explanation for each answer referring to the benchmark of  $0$ ,  $\frac{1}{2}$ , and  $1$ .

a.  $\frac{1}{2}$  \_\_\_\_\_  $\frac{1}{4}$

b.  $\frac{6}{8}$  \_\_\_\_\_  $\frac{1}{2}$

c.  $\frac{3}{4}$  \_\_\_\_\_  $\frac{3}{5}$

d.  $\frac{4}{6}$  \_\_\_\_\_  $\frac{9}{12}$

e.  $\frac{2}{3}$  \_\_\_\_\_  $\frac{1}{4}$

f.  $\frac{4}{5}$  \_\_\_\_\_  $\frac{8}{12}$

g.  $\frac{1}{3}$  \_\_\_\_\_  $\frac{3}{6}$

h.  $\frac{7}{8}$  \_\_\_\_\_  $\frac{3}{5}$

i.  $\frac{51}{100}$  \_\_\_\_\_  $\frac{5}{10}$

j.  $\frac{8}{14}$  \_\_\_\_\_  $\frac{49}{100}$