

Name _____

Date _____

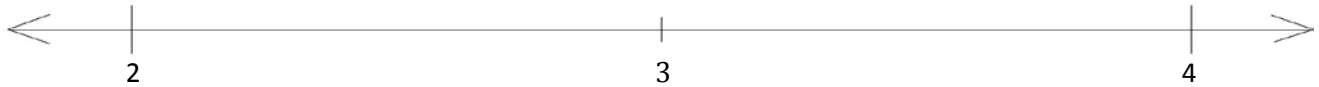
1.

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

i. $2\frac{1}{6}$

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

iii. $\frac{33}{9}$



- b. Use the number line in Problem 1(a) to compare the fractions by writing
- $>$
- ,
- $<$
- , or
- $=$
- .

i. $\frac{33}{9}$ _____ $2\frac{1}{6}$

ii. $\frac{33}{9}$ _____ $3\frac{3}{4}$

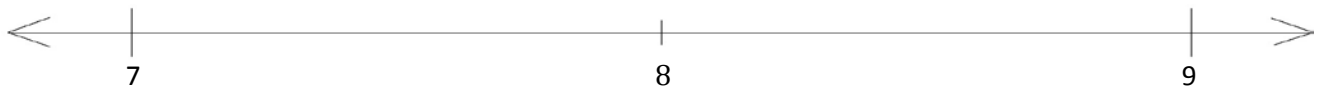
2.

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

i. $\frac{65}{8}$

ii. $8\frac{5}{6}$

iii. $\frac{29}{4}$



- b. Compare the following by writing
- $>$
- ,
- $<$
- , or
- $=$
- .

i. $8\frac{5}{6}$ _____ $\frac{65}{8}$

ii. $\frac{29}{4}$ _____ $\frac{65}{8}$

- c. Explain how you plotted the points in Problem 2(a).

3. Compare the fractions given below by writing $>$, $<$, or $=$. Give a brief explanation for each answer, referring to benchmark fractions.

a. $5\frac{1}{3}$ _____ $5\frac{3}{4}$

b. $\frac{12}{4}$ _____ $\frac{25}{8}$

c. $\frac{18}{6}$ _____ $\frac{17}{4}$

d. $5\frac{3}{5}$ _____ $5\frac{5}{10}$

e. $6\frac{3}{4}$ _____ $6\frac{3}{5}$

f. $\frac{33}{6}$ _____ $\frac{34}{7}$

g. $\frac{23}{10}$ _____ $\frac{20}{8}$

h. $\frac{27}{12}$ _____ $\frac{15}{6}$

i. $2\frac{49}{50}$ _____ $2\frac{99}{100}$

j. $6\frac{5}{9}$ _____ $6\frac{49}{100}$