Date

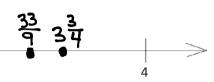
1.

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

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

iii.  $\frac{33}{9} = 3.6$ 





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. 
$$\frac{65}{8} = 8\frac{1}{8}$$

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

iii. 
$$\frac{29}{4} = 7\frac{1}{4}$$





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).

I turned each fraction into a mixed number. The whole number indicated the interval and then the fraction told me where in the interval to plot the point.

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

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

5支is less than 5之

5号 is greater than 5克

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

18 is equal to 3

17 is greater than 4

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

Fourths are larger than fifths. So 3 fourths is bigger than

3 fifths

g. 
$$\frac{23}{10}$$
  $\frac{20}{8}$   $\frac{3}{10}$   $\frac{2 \frac{4}{8}}{8}$ 

 $\frac{23}{10}$  is less than  $2\frac{1}{2}$ 

20 8 is equal to 2 ½

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

Fiftieths are larger than hundredths 249 is 1 fiftieth away from 3
299 is 1 hundredth away from 3

b. 
$$\frac{12}{4}$$
  $\frac{25}{8}$   $\frac{25}{8}$  is  $\frac{1}{3}$  greater than 3.  $\frac{12}{4}$  is equal to 3.

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

5를 is greater than 5호

5音isequal to 5克

f. 
$$\frac{33}{6}$$
  $\frac{34}{7}$   $\frac{7}{56}$   $\frac{45}{7}$ 

33 is greater than 5

34 is less than 5

h. 
$$\frac{27}{12}$$
  $\frac{15}{6}$   $\frac{3}{12}$   $\frac{3}{6}$ 

Twelfths are smaller than stxths So  $\frac{3}{12}$  is smaller than  $\frac{3}{6}$ 

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

6 q is greater than 6 \frac{1}{2}