Notesheet **Ordering and Comparing Rational Numbers**

Name _____ Date __/__/__ Hour __

I can order rational numbers and plot them on a number line.

I can compare rational numbers using inequality symbols.

WarmUp

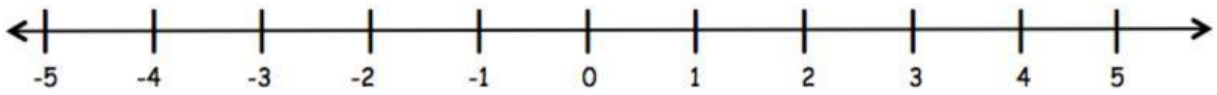
Compare with an inequality (<, > or =.)

1) $\frac{7}{10}$ __ $\frac{3}{5}$ 2) $-\frac{1}{3}$ __ $-\frac{3}{4}$ 3) $1\frac{1}{2}$ __ 1.456

Notes

Graph each rational number and label with the letter on top of the line and the number on the bottom.

A.	B.	C.	D.	E.
$-\frac{6}{10}$	1.8	-0.2	$\frac{5}{3}$	$-1\frac{3}{9}$

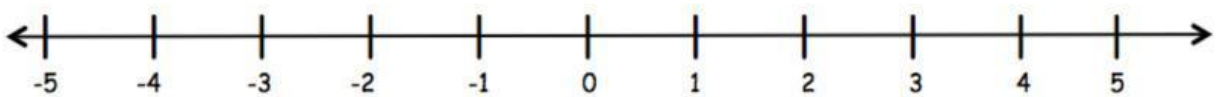


Compare (<, >, =)

A and D: _____ B and E: _____

Graph each rational number and label with the letter on top of the line and the number on the bottom.

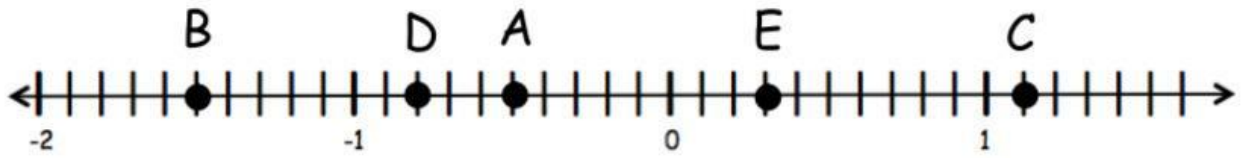
A.	B.	C.	D.	E.
|4.45|	$3.\overline{6}$	-0.8	$4\frac{2}{5}$	$-3\frac{7}{14}$



Compare (<, >, =)

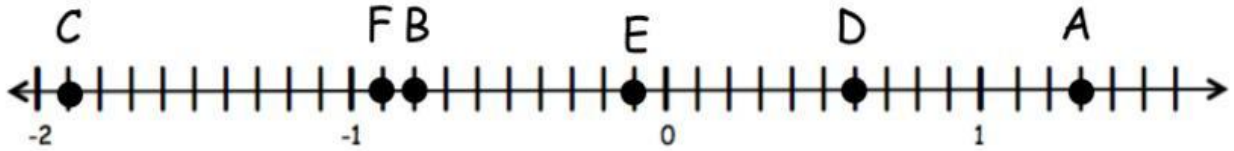
A and D: _____ B and E: _____

Label each point on the number line with the simplified fraction or mixed number.



Order the letters above from GREATEST to LEAST.

Label each point on the number line with the simplified fraction or mixed number.



Order the letters above from GREATEST to LEAST.

Compare (<, >, or =)

B and F: _____

B and E: _____

A and D: _____

Please write two fractions that are equivalent to:

A. $\frac{4}{6}$ B. $\frac{5}{9}$ C. $\frac{10}{14}$

D. $-\frac{1}{6}$ E. $2\frac{2}{6}$ F. $\frac{9}{12}$

Discuss with your partner:

1. How do you compare 2 fractions?

2. How do you compare a fraction and a decimal?

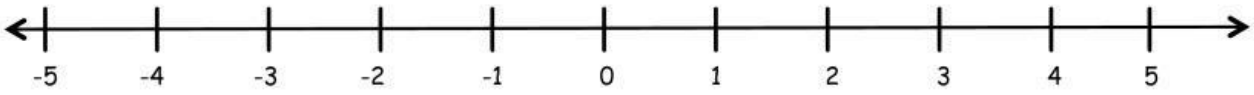
2.2 Graphing Rational Numbers WS2

Name _____ Date __/__/__ Hour __

I can plot rational numbers on a number line and compare using inequality symbols.

1) Graph each rational number and label it with its letter on top of the line and number on the bottom.

A) 1.25 B) $\frac{8}{10}$ C) -4.5 D) $\frac{2}{5}$ E) $-4\frac{6}{8}$



2) Order the numbers above from least to greatest in simplified form.

3) Convert each rational number and then order them from least to greatest.

A.	B.	C.	D.	E.
|2.35|	$2.\overline{3}$	-0.9	$2\frac{2}{5}$	$-\frac{7}{14}$

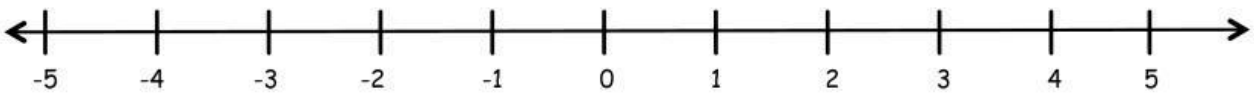
4) Compare the following (<, >, or =).

A and B: _____ A and D: _____

B and D: _____ C and E: _____

5) Graph each rational number and label it with its letter on top of the line and number on the bottom. Simplify.

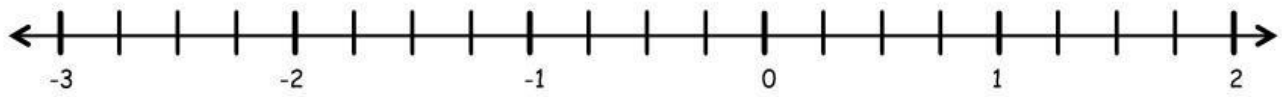
A) |-2.5| B) $2\frac{3}{9}$ C) $-1.\overline{3}$ D) 2.75 E) $-2\frac{8}{16}$



6) Choose two points that are close together to compare (<, >, or =):

7) Graph each rational number and label it with its letter on top of the line and number on the bottom. Simplify.

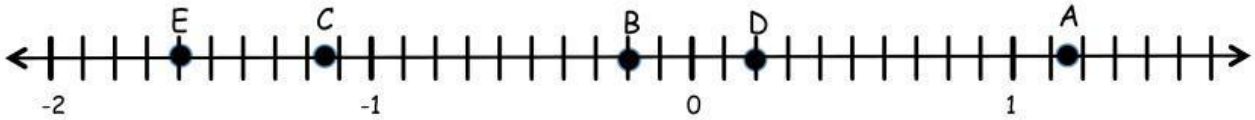
A) $1\frac{2}{4}$ B) $-2\frac{2}{8}$ C) 1.25 D) $-1\frac{1}{8}$ E) -2.75



8) Compare the following (<, >, or =):

A and C: _____ B and E: _____

9) Label each point on the number line with its decimal above the line.



10) Convert the decimals to fractions/mixed numbers and list them in order from least to greatest.

11) Order the following rational numbers from least to greatest in simplified form.

2^3 -1.8 -1.85 4 $2\frac{4}{6}$ $\left|-2\frac{1}{3}\right|$ |2.05|

12) Josie is in the KEY Club and has organized a pizza party. The club members sliced each pizza themselves before sharing it.

Pizza Type	Slices Left Over
Pepperoni	2/6
Sausage	0.25
Canadian Bacon	4/10
Cheese	3/8

a. Which pizza is the most popular?

b. Which pizza is the least popular?

c. List the pizzas in order from least to most popular.