Unit: Number System
Homework 3

Name _____

Date _____Pd_____

COMPARING AND ORDERING FRACTIONS

Solve the problems below. Be sure to show your thinking.

1. Use >, <, or = to compare the fractions below.

$\frac{3}{7}$ ◯ $\frac{8}{21}$

2. Use >, <, or = to compare the fractions below.

$\frac{11}{3}$ ◯ $2\frac{5}{6}$

3. Use >, <, or = to compare the fractions below.

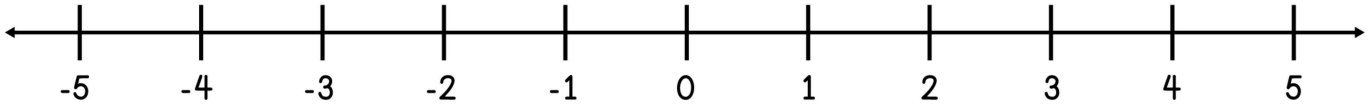
$\frac{1}{3}$ ◯ $\frac{2}{5}$

4. Elizabeth has organized a set of cards from greatest to least. However, she has made a few mistakes. Identify which numbers are not in the correct location. Then, rewrite the cards in the correct order.

$\frac{5}{4}$	$\frac{3}{2}$	$-\frac{2}{3}$	$\frac{7}{10}$	$-\frac{13}{20}$	$-\frac{1}{4}$

5. Place the following fractions on the number line below:

A. $1\frac{3}{5}$ B. $-3\frac{1}{2}$ C. $-4\frac{1}{8}$ D. $4\frac{2}{5}$ E. $-2\frac{3}{4}$

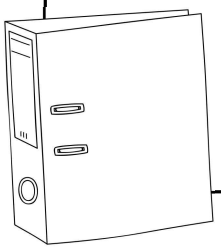


6. A desk drawer is only $1\frac{3}{8}$ inches deep.

Which binder thickness below is less than $1\frac{3}{8}$ inches?

A. $\frac{13}{8}$ B. $1\frac{1}{2}$

C. $1\frac{2}{5}$ D. $\frac{5}{4}$



7. The average wait times for a tire rotation at three different mechanic shops are listed below. Which mechanics are offering a wait time less than $1\frac{3}{8}$ hours?

SHOP	WAIT
Tire Time	$\frac{13}{8}$
Fresh Start	$\frac{7}{4}$
Wonder Wheels	$\frac{7}{6}$