Unit: Number System
Student Handout 3

Name _____

Date _____Pd_____

COMPARING AND ORDERING FRACTIONS

WRITING FRACTIONS AS DIVISION

- A fraction bar is one way to represent _____. This can be used to convert a fraction to a decimal by dividing the _____ by the _____.

Ex: $\frac{a}{b} = a \div b =$ _____, or $\frac{3}{4} = 3 \div 4 =$ _____

Use your understanding of division to complete the table with the various representations.

FRACTION	÷	⟌	VERBAL DESCRIPTION
$\frac{3}{5}$			
	$5 \div 4$		
		$3\overline{)1}$	
			three divided by two

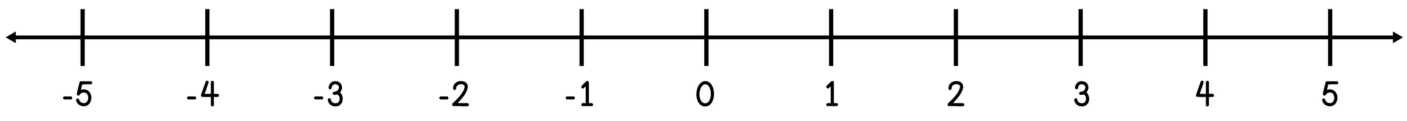
Convert the following fractions to decimals by dividing.

1.	2.	3.	4.
$\frac{1}{2}$	$\frac{9}{10}$	$\frac{2}{3}$	$\frac{7}{4}$

Fractions can be placed on a _____ or converted to a decimal to help order them.

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

A. $\frac{2}{5}$ B. $-3\frac{1}{4}$ C. $2\frac{1}{10}$ D. $2\frac{3}{5}$ E. $-2\frac{3}{4}$



Fractions can be compared using like _____.

COMPARING & ORDERING FRACTIONS

1. Find the _____.
2. _____ the fraction.
3. Order the fractions.
4. _____ the original fractions.

STEP 1 STEP 2 STEP 3 STEP 4

Ex: $\frac{7}{6}, \frac{2}{5}, \frac{1}{2}$ → LCD = 30 → $\frac{35}{30}, \frac{12}{30}, \frac{15}{30}$ → $\frac{35}{30}, \frac{15}{30}, \frac{12}{30}$ → $\frac{7}{6}, \frac{1}{2}, \frac{2}{5}$

Order the following fractions from greatest to least.

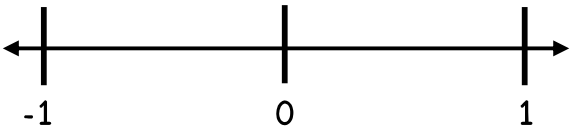
6. $\frac{11}{12}, \frac{2}{3}, \frac{5}{6}, \frac{1}{4}$

7. $3\frac{1}{5}, 3\frac{1}{4}, 3\frac{3}{20}, \frac{17}{5}$

Use your understanding of ordering fractions to answer the questions below.

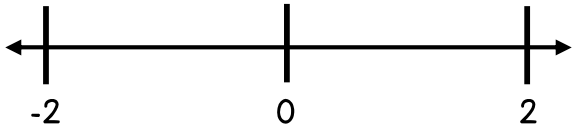
8. Order the following fractions from least to greatest. Use the number line to help.

$-\frac{1}{2}, \frac{2}{3}, -\frac{1}{4}, \frac{3}{5}$



9. Order the following rational numbers from least to greatest. Use the number line to help.

$-1\frac{1}{4}, -1\frac{1}{3}, 1\frac{3}{5}, \frac{5}{4}$



10. Sabrina is measuring different lengths of ribbon for a craft at art camp. Which list shows the ribbon ordered from greatest to least?

$\frac{9}{16}, \frac{5}{8}, \frac{3}{4}, \frac{1}{2}$

A. $\frac{5}{8}, \frac{1}{2}, \frac{3}{4}, \frac{9}{16}$

B. $\frac{3}{4}, \frac{9}{16}, \frac{5}{8}, \frac{1}{2}$

C. $\frac{3}{4}, \frac{5}{8}, \frac{9}{16}, \frac{1}{2}$

D. $\frac{9}{16}, \frac{5}{8}, \frac{3}{4}, \frac{1}{2}$

11. The table below shows the progress that the Harrison children have made on their reading app. Which shows the progress of the children from most completed to least completed?

	MARGO	MASON	MARCO
COMPLETION	$\frac{21}{25}$	$\frac{17}{20}$	$\frac{5}{6}$

A. Margo, Mason, Marco
B. Mason, Margo, Marco
C. Marco, Margo, Mason