

Lesson 2.1d

Ordering Rational Numbers

EQ: How do we **ORDER** rational numbers?

STEP 1- Write each rational number as a **DECIMAL**.

EX: $-\frac{13}{10} =$

$$\begin{array}{r} 10 \overline{) 13.0} \\ \underline{10} \\ 30 \\ \underline{30} \\ 0 \end{array}$$

-1.3

$-2.2 =$

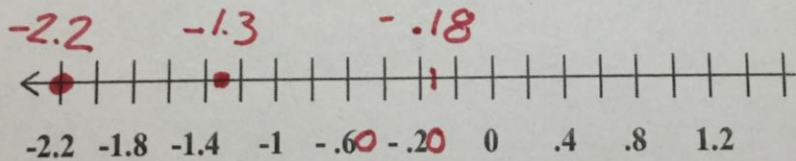
-2.2

$-\frac{2}{11} =$

$$\begin{array}{r} 11 \overline{) 2.00} \\ \underline{11} \\ 90 \\ \underline{88} \\ 20 \end{array}$$

$-.18$

STEP 2- PLOT each decimal on a number line.



THEREFORE, the numbers from least to greatest are:

$-2.2, -1.3, -.18$

ON YOUR OWN:

$-\frac{1}{10} > -\frac{13}{10}$
 $-.1 > -1.3$

$-2.1 > -2\frac{1}{5}$
 $-2.1 > -2.2$

$-.1 > -\frac{2}{11}$
 $-.1 > -.18$

$\frac{1}{8} = .125$ $\frac{2}{5} = .4$ $L \rightarrow G$ -1.2 $-.5$

$$\begin{array}{r} 8 \overline{) 1.000} \\ \underline{8} \\ 20 \\ \underline{16} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

$$\begin{array}{r} 5 \overline{) 2.0} \\ \underline{20} \\ 0 \end{array}$$

$-.125$ $-.4$ -1.2 $-.5$

-1.2 $-.5$ $.125$ $.4$