

Comparing & Ordering Rational #s 12/11

Rational Number- Any # that can be written as a fraction
(Whole #s, integers, %, decimals that end or repeat)

To Compare/order → turn everything into decimals.

* With Negatives, Think "backwards"

$$\text{ex) } 5 > 2 \quad -5 < -2$$

$$.40 < .70 \quad -.4 > -.7$$

$$.35 > .20 \quad -.35 < -.20$$

Dec 11-8:40 AM

Comparing using $>$, $<$ or $=$

$$\textcircled{1} \quad \frac{7}{12} > \frac{8}{18}$$

$$.583 \quad .444$$

$$\textcircled{2} \quad -\frac{4}{5} < -\frac{1}{2}$$

$$-.8 \quad -.5$$

ON OWN: $-\frac{2}{3} < -\frac{3}{8}$

$$-0.666 \quad -0.375$$

Dec 11-10:26 AM

Ordering from least \rightarrow greatest
 rewrite in original form

ex) 23% , 0.21 , $\frac{1}{4}$, $\frac{1}{5}$
 $.23$ $.21$ $.25$ $.20$

$\frac{1}{5}$, 0.21 , 23% , $\frac{1}{4}$

Dec 11-10:31 AM

The batting averages of four baseball players are: 0.45 , 55% , $\frac{1}{4}$ and $\frac{11}{50}$. Order their averages from least \rightarrow Greatest.

$$0.45, 0.55, 0.25, .22$$

$$\frac{11}{50}, \frac{1}{4}, 0.45, 55\%$$

Dec 9-9:22 AM

The three Jr. High grades had a competition to see who could sell the most coupon books. The 6th grade made 75% of their goal. 7th Grade sold $\frac{54}{75}$ books and 8th grade sold 0.62. Who sold the most?

$$\begin{array}{l} 6^{\text{th}} = 0.75 \\ 7^{\text{th}} = 0.72 \\ 8^{\text{th}} = 0.62 \end{array} \quad 6^{\text{th}}$$

Dec 9-9:26 AM

Order the numbers from least to greatest

$$\left\{ -0.3, -\frac{1}{3}, 30\%, -\frac{1}{4} \right\}$$
$$-0.30 \quad -0.33 \quad 0.30 \quad -0.25$$

$$-\frac{1}{3}, -0.3, -\frac{1}{4}, 30\%$$

Dec 9-9:29 AM