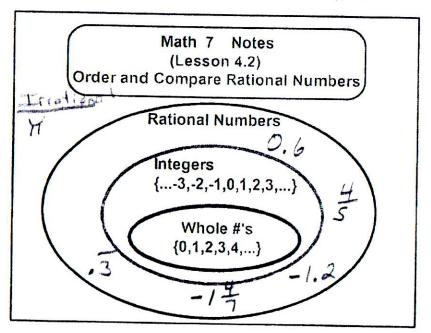
PI



When we use rational numbers we often need to find an equivalent form of the number to understand the situation.

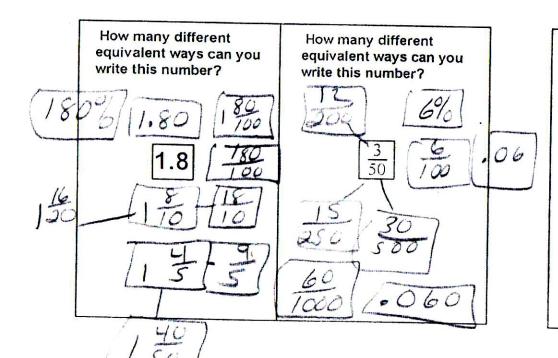
Payton has a "two ninety six" batting average.

hts 296 + bat 1000

hit = = = = = .

The scale at the deli counter says 0.7 and Josh asked for three fourths of a pound of ham.

-75



Ways to compare rational numbers:

* Make a number line

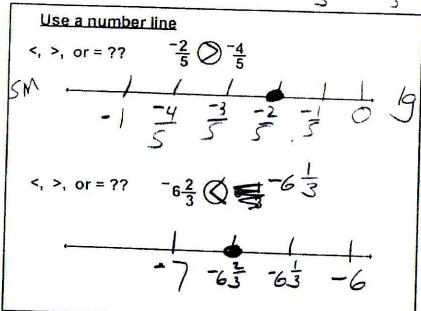
*Use a 0 $\frac{1}{2}$ 1 benchmark chart

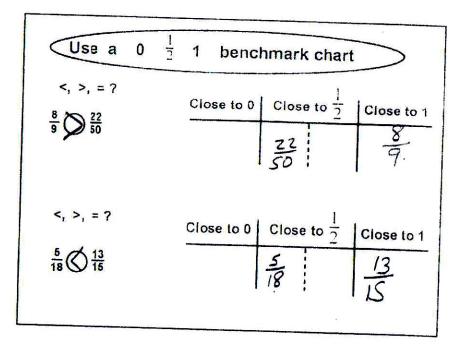
*Write all numbers as decimals

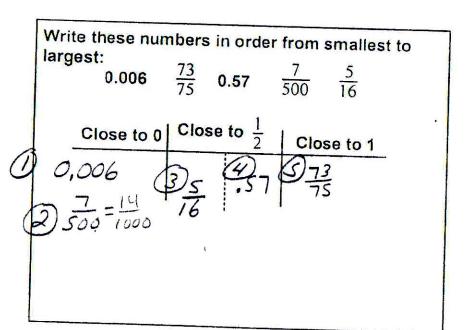
*Write all numbers as fractions with like denominators

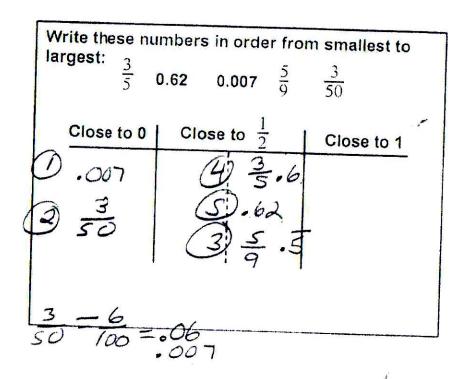
9

*Use a combination of the above strategies









Write fractions with a common denominator

$$\frac{4}{9} \bigcirc \frac{2}{5}$$

$$\frac{7}{12} = \frac{21}{36}$$

34

Write as decimals

$$0.025 \bigcirc \frac{1}{4}$$

Less than (<), Greater than (>), or Equal (=) ???

Verify by using two different methods.

$$\frac{2}{3} \quad \bigcirc \quad \frac{13^{\times 5}}{20_{\times 5}}$$

0.15
$$\bigcirc$$
 $\frac{1}{6}$

Less than (<), Greater than (>), or Equal (=) ???

Verify by using at least two different methods.

$$\frac{\frac{4}{9}}{4}$$
 0.49

$$-\frac{3}{4} \bigcirc \frac{-2}{3}$$

-0.75 -0.75

$$-\frac{9}{12}$$
 $-\frac{8}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$

On her first quiz, Sue answered 88% of the questions correctly. On her second quiz she answered 21 out of 24 questions correctly. On which quiz did Sue have the better score?

1st
$$88\% = 0.88 \times 1st$$

$$2^{14} = \frac{7}{8} = 0.875$$

Sam made 65% of his free throws. Ted made 9 out of 12 free throws. Allen made 0.52 of his free throws. Who made their free throws the greater amount of time?