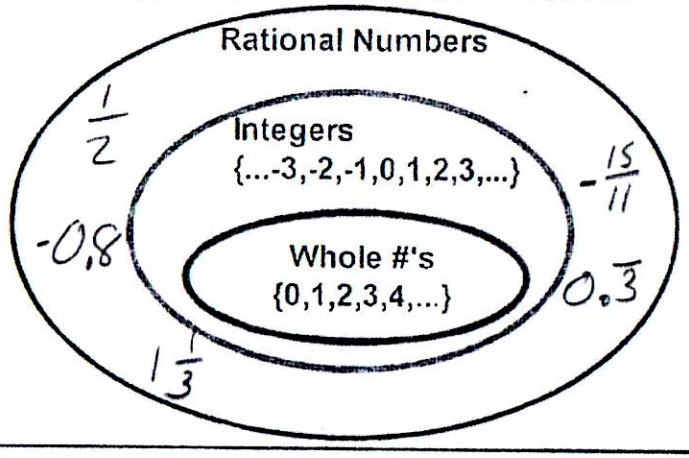
Math 7 Notes
(Lesson 4.2)
Order and Compare Rational Numbers



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.

hits / at bat .296 296/1000

3/12 .250

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

0.75

0.7 = 0.70 a little less than 3/4 lb.

How many different equivalent ways can you write this number?

1.80 — 1 80/100

180% — 1.8 — 180/100

1 8/10 — 18/10

1 4/5 — 9/5

How many different equivalent ways can you write this number?

0.060

60/1000 — 3/50 — 0.06

6/100 — 6%

12/200 — 24/400

96/1600

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
*Use a combination of the above strategies