Math Test #6 Study Guide
Test on **Monday, January 28th**

For the math test, students should be able to:

Problem Solve

- Solve story problems involving adding and subtracting mixed numbers (with common denominators, no borrowing needed.)
- Solve story problems about speed in miles per hour.
    - For example, when given miles per hour, find the miles traveled by dividing by the hours. Find the hours by dividing by the distance traveled.

Factors:

- List the Pairs of Factors for a number.
    - For example, the pairs of factors for 18 are: (1 x 18), (2 x 9), and (3 x 6).
- Write all the factors of a number in increasing numerical order

Computation

- Divide a 4 digit number by a one digit number
- Divide a 3 digit number by a two digit number.
- Add and subtract mixed numbers with common denominators and no borrowing.
- Add 4 numbers at a time (up to 3 digits each)
- Subtract numbers with up to 4 digits
- Multiply a 3 digit number by a 3 digit number
- Multiply a dollar amount by a whole number, and write the answer with a decimal point and a dollar sign.
- Basic multiplication facts

Conversions (Memorize these!)

1 gallon = 4 quarts
1 ton = 2,000 pounds
1 hectometer = 100 meters
1 week = 7 days
1 foot = 12 inches
1 year = 12 months
1 pound = 16 ounces
1 yard = 36 inches
1 century = 100 years
1 kilometer = 1,000 meters