1st Semester Homework 101 Parent Tip Sheet

Decimals:

Adding & Subtracting Decimal numbers-

1. Line up the decimals before you begin.Ex. 65.8 - 7.44 = -7.44 = -7.44

2. Make your decimals equivalent by adding zeros.

Multiplying Decimal numbers-

* When multiplying with decimals you do not have to line up the decimal points!	4.321
	<u>x .5</u>

First work the problem like normal, as if the decimals were not there.
Once you have the answer count the number of digits to the right of each decimal point in the problem.

3. Lastly, you will add the decimal into the answer, so that the same number of digits follows the decimal point.

Note: In the example shown, there are 4 digits total to the right of the decimal points therefore in the answer 2.1605 there are 4 digits that follow the decimal point.

Dividing Decimal numbers-

- 1. Bring the decimal straight up or "Raise the Roof!"
- 2. Divide the problem like normal.

Prime & Composite Numbers:

<u>Prime numbers</u> only have two factors, one and the number itself.

<u>Composite numbers</u> have three or more factors.

* Factors- numbers multiplied to form a product.



65.80

58.36

2.1605

Fractions:

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Simplifying Fractions:

- 1. Find the greatest common factor (GCF).
- 2. Divide the numerator and the denominator by the GCF.

Adding fractions with like denominators:

- 1. Add the numerators.
- 2. The denominators stay the same.

Adding fractions with unlike denominators:

- 1. Find the least common multiple (LCM) of the two denominators.
- 2. Make equivalent fractions using the least common multiple as the new least common denominators (LCD).



Multiplying Fractions by a whole number:

- 1. Put the whole number over 1 making it into a fraction.
- 2. Multiply the numerators, multiply the denominators, and then simplify.

Dividing fractions by a whole numbers & whole numbers by a fraction:

- 1. Put the whole number over 1 to make it into a fraction.
- 2. Keep the first fraction the same; change the division sign to a multiplication sign.
- 3. Flip the second fraction over so the numerator becomes the denominator and the denominator becomes the numerator.
- 4. Then multiply numerators and denominators like normal.
- 5. Simplify



 $2 \frac{1}{3}$

 $\frac{2}{1}$ $\stackrel{\checkmark}{\times}$ $\frac{1}{3}$ $\stackrel{\frown}{=}$ $\frac{2}{3}$



 $\frac{4}{12}$ $\frac{4}{4}$ $\frac{1}{3}$

 $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$