Name: \_\_\_\_\_

Command of the topics in this assignment are important to be successful in 6<sup>th</sup> grade Math. All problems should be attempted and show understanding of concepts to be successful in 6<sup>th</sup> grade math. There is NO CALCULATOR to be used on this assignment. This assignment will be due the week of August 10, a specific date will be given by your teacher.

## Please SHOW all work on separate sheet of paper!

Find the value

1) 
$$678 + 426$$

$$2)4389 + 3377 + 1689$$

Change the mixed numbers to fractions greater than 1 (improper fractions) EX. 3  $\frac{1}{8}$  = 3 × 8 + 1 = 25  $\frac{25}{8}$ 

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

10) 
$$1\frac{2}{3}$$

11) 
$$12\frac{5}{7}$$

Change the fractions greater than 1 (improper fractions) to mixed numbers.  $\frac{47}{5} = 47 \div 5 = 5 \frac{9}{47} = 9 \frac{2}{5}$ 

12) 
$$\frac{8}{3}$$

13) 
$$\frac{50}{12}$$

14) 
$$\frac{34}{9}$$

## Computations with fractions

- \*\*to add/subtract must have common denominator
- \*\*multiply- multiply straight across
- \*\* divide multiply by the reciprocal ( Keep, Change, Flip)

15) 
$$\frac{5}{6} + \frac{2}{3}$$

16) 
$$1\frac{3}{4} + 2\frac{1}{6}$$

17) 
$$\frac{7}{8} - \frac{1}{2}$$

18) 
$$3\frac{1}{2} - 1\frac{7}{8}$$

19) 
$$\frac{5}{9}$$
 X  $\frac{3}{10}$ 

20) 
$$6\frac{1}{2} \times \frac{2}{3}$$

21) 
$$9 \div \frac{3}{4}$$

22) 
$$\frac{5}{6} \div 2$$

## Computations with decimals

- \*\*to add/subtract line up decimals
- \*\*multiply- multiply by normal, move decimals to the left the number of decimal places in both factors
- \*\* divide move decimal in divisor until whole number, do the same in dividend, divide until there isn't a remainder.

23) 
$$3.5 + 6.14$$

$$24)9.242 + 0.87$$

26) 
$$35.8 - 10.27$$

30) 
$$134 \div 4$$