Name: $\qquad$
Command of the topics in this assignment are important to be successful in $6^{\text {th }}$ grade Math. All problems should be attempted and show understanding of concepts to be successful in $6^{\text {th }}$ 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) $4389+3377+1689$
3) $1934-647$
4) $70801-62762$
5) $81 \times 57$
6) $776 \times 98$
7) $7 \longdiv { 5 8 8 }$
8) $3 6 \longdiv { 1 6 2 0 }$

Change the mixed numbers to fractions greater than 1 (improper fractions) EX. $3 \frac{1}{8}=3 \times 8+1=25 \frac{25}{8}$
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. $\frac { 4 7 } { 5 } = 4 7 \div 5 = 5 \longdiv { \frac { 9 } { 4 7 } } = 9 \frac { 2 } { 5 }$
12) $\frac{8}{3}$
13) $\frac{56}{12}$
14) $\frac{34}{9}$
**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) $\frac{5}{9} \times \frac{3}{10}$
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) $9.242+0.87$
25) $12.66-3.41$
26) $35.8-10.27$
27) $0.7 \times 0.4$
28) $4.56 \times 9.2$
29) $9 \longdiv { 2 1 1 . 5 }$
30) $134 \div 4$

