NAME:_____ MIXED WORD PROBLEMS – DAY 1

DATE:_____ ALGEBRA 1A

***1 – 5 Setup each problem, DON'T SOLVE:***

1. Find the value of three consecutive odd integers such that the sum of the first and the second is 27 less than 3 times the third.

2. A woman purchases some two cent and some fifteen cent stamps and pays $1.56 for all the stamps. There are 10 more two cent stamps than fifteen cent stamps. Find the total number of stamps purchased.

3. John rode his bicycle to town at the rate of 15 mph. He left the bicycle in town for minor repairs. He walked home along the same route at the rate of 3 mph. Walking home took two more hours than biking to town. How long did it take John to walk back?

4. The numerator of a fraction is two less than the denominator. If the denominator is doubled, the result will be $\frac{2}{3}$. Find the original fraction.

5. A photograph 3 in wide and 5 in long is to be enlarged so that the length is 15 in. Find the new width.

***6 – 10 Setup and Solve the following:***

6. Four times as many girls as boys participate in chorus. If there are a total of 140 students in chorus, how many are girls?

7. A child's coin bank contains nickels, dimes, and quarters. There are three times as many nickels as dimes and there are five more quarters than nickels. The total value of the coins in the bank is $6.25. Find the number of each type of coin.

8. The first side of a triangle is 5 more than the second side. The third side is 3 less than three times the second side. If the perimeter is 32 cm, find the length of each side.

9. The ratio of dogs to cats to hamsters is 2 : 3 : 1 at a pet store. If there are total of 24 pets at the pet store, how many dogs are there?

10. Mary can spend at most $25 on a gift for her best friend, Kayla. If videos cost $5 and a box of Kayla's favorite candy cost $1.25. How many boxes of candy can Mary buy if she plans on buying Kayla two videos?