Name **KEY**   AMA
Conquering Word Problems

Steps:
1. Read the problem.

2. **_Define the variable(s)_**

3. Annotate the problem.

4. **Write the equation.**

5. Solve.

6. .Check answer.

Key words to look for:

Addition	Subtraction	Multiplication
sum	**Difference**	**Product**
plus	**Less than**	**Of**
and	**minus**	**Per**
More than		**each**
total		

Division	Equals	Parenthesis
quotient	**Is**	**The quantity of**
divisor	**Equals**	
dividend	**Total of**	

Directions: Define the variable(s) in each problem. Annotate the information. Write the equation.

1. The sum of three consecutive numbers is 87. What are the three numbers?

   x = smallest number; x + 1 = second number; x + 2 = largest number

   x + x + 1 + x + 2 = 87

2. John bought a soft drink for $3 and 6 candy bars. He spent a total of $15. How much did each candy bar cost?

   x = cost of a candy bar in dollars

   3 + 6x = 15

3. On Monday, 214 students went on a trip to the zoo. All 5 buses were filled and 4 students had to travel in cars. How many students were in each bus?

   X = number of students on a bus

   5x + 4 = 214

4. A bike rental company charges $14 plus $7 per hour for renting a bike. Tyleah paid $42 to rent a bike. How many hours did she pay to have the bike checked out?

   h = hours of bike rental

   14 + 7h = 42

5. Six less than twice a number is 34. What is the number?

   x = a number

   2x - 6 = 34

6. Ty's Repair Service charges $75 for a service call and $75 per hour for repair work. Kayla's Repair Service charges $25 for a service call and $100 per hour for repair work. How many hours did a job take if the two companies to charged the same amount?

   H = hours

   75 + 75h = 25 + 100h

7. Half the quantity of three less than twice a number is 47.

   X = a number

   ½ (2x - 3) = 47   OR ½ (-3 + 2x) = 47