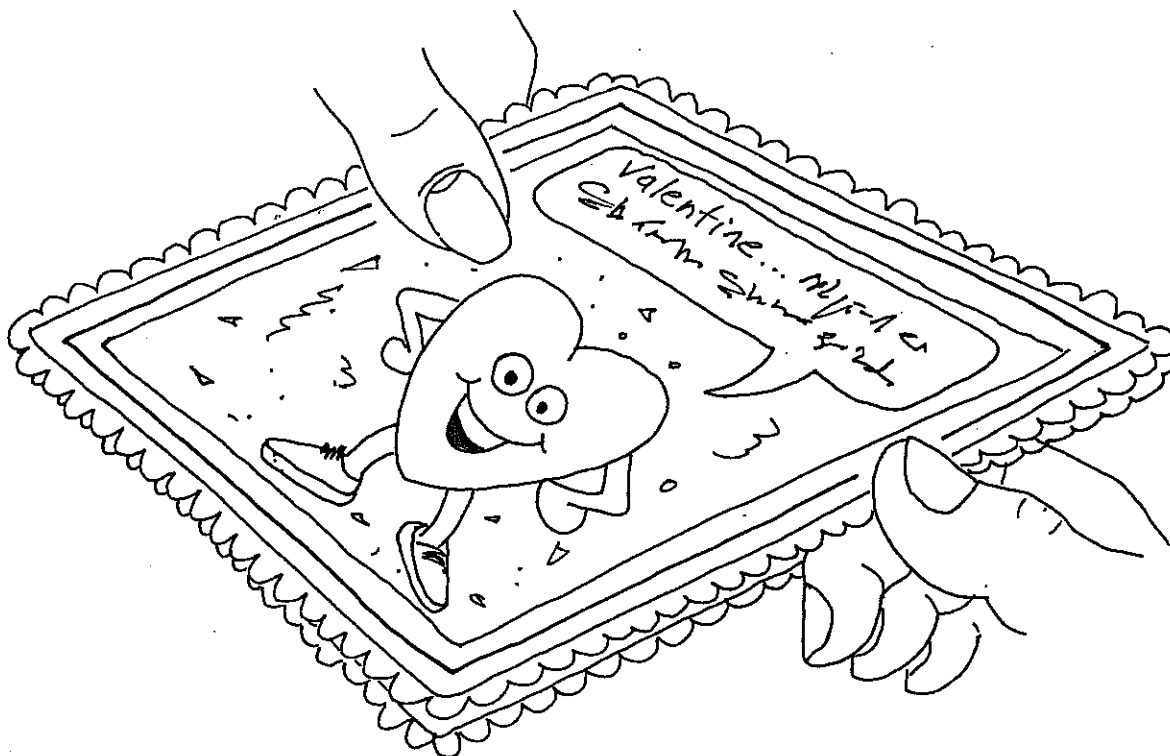Name _____

Valentines

If everyone in your math class gives a valentine to everyone else in your math class, how many valentines will be exchanged? How many valentines would be exchanged if every student in your school gives a valentine to every other student in your school? How many valentines would be exchanged if every resident in your city gives a valentine to every other resident in your city? Is there a way you could figure out this problem for any number of people?

PLEASE USE THIS 4-STEP PLAN TO SOLVE THE PROBLEM IN YOUR JOURNAL:

Step 1: Restate the problem in your own words.

Step 2: Collect and list all of the important information (facts) from the problem.

Step 3: Solve the problem *AND* describe in detail what you did to solve it (what you tried, what worked, what didn't work, etc.)

Step 4: Look back at your answer – how do you know it makes sense?

Name _____ Due Date _____

Math Journal Title _____

Math Journal Rubric

Criteria	Student Score	Teacher Score
Step 1: Restating the Problem ("I need to find...") ☐ I restated the problem in my own words. 10 points		
Step 2: Creating a Bullet List of the Important Information ☐ I listed the information necessary to solve the problem using bullet points. I included facts discussed in class, too. 10 points		
Step 3: Writing About Solving the Problem ☐ I showed all of my trials and errors. ☐ I explained the strategies that worked and didn't work and how I arrived at my final answer. ☐ I described all interesting findings and included all diagrams, charts, patterns, etc. ☐ My work is neat and legible. 70 points		
Step 4: Checking Your Answer ☐ I rechecked my explanation and descriptions to make sure they make sense. ☐ I explained why my answer is accurate and logical. ☐ I challenged myself to find a second strategy to confirm my original answer. 10 points		
Score Total:		