Creating
Systems of Equations

① *THINK*: How many unknowns do you have? (This should be your number of variables)

② Assign each unknown value a variable.

③ Write the equations that you know based on the scenario. (You will have the same number of equations as variables. 2 variables = 2 equations, 3 variables = 3 equations, etc.)

④ Solve the system for a specific answer if the question asks.

➔ *THINK*: Is your answer is reasonable? Does it make sense?

⑤ Express the solution with appropriate labels.

Example (using steps):
Cadence has a collection of 52 antique dolls that all have either blue eyes or green eyes. Cadence has 16 more blue eyed dolls than green eyed dolls. How many of each doll does Cadence have?