

Story Problem	
The sum of two numbers is -22. The difference of the two numbers is 8. What are the two numbers?	
Let Statements	System
Rewrite the system so like terms are aligned.	Determine which variable you will eliminate.
Multiply, if necessary, to make elimination possible.	Combine the equations and solve for the other variable.
Substitute to solve for the eliminated variable.	Write the solution.

Story Problem	
At a movie theater, the adult ticket price is \$8 and the child ticket price is \$6. For a certain movie, 200 tickets were sold and \$1440 was collected. How many of each ticket were sold?	
Let Statements	System
Rewrite the system so like terms are aligned.	Determine which variable you will eliminate.
Multiply, if necessary, to make elimination possible.	Combine the equations and solve for the other variable.
Substitute to solve for the eliminated variable.	Write the solution.

Story Problem	
One week, Sharon worked 18 hours as a lifeguard and 12 hours at a concession stand and earned \$228. The next week, she earned \$254 for 24 hours as a lifeguard and 8 hours at the concession stand. How much per hour does she get paid for each job?	
Let Statements	System
Rewrite the system so like terms are aligned.	Determine which variable you will eliminate.
Multiply, if necessary, to make elimination possible.	Combine the equations and solve for the other variable.
Substitute to solve for the eliminated variable.	Write the solution.

Story Problem	
There are 156 laptops and desktop computers in a lab. There are 8 more laptops than desktop computers. How many of each type are in the lab?	
Let Statements	System
Rewrite the system so like terms are aligned.	Determine which variable you will eliminate.
Multiply, if necessary, to make elimination possible.	Combine the equations and solve for the other variable.
Substitute to solve for the eliminated variable.	Write the solution.