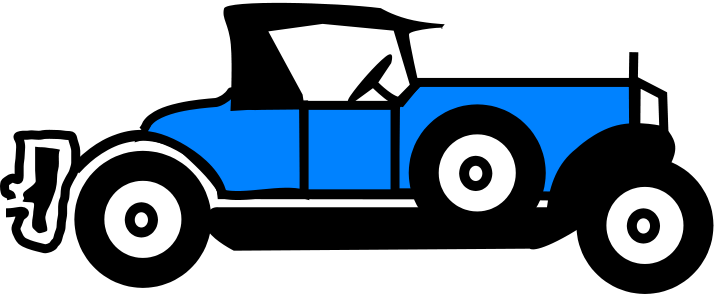
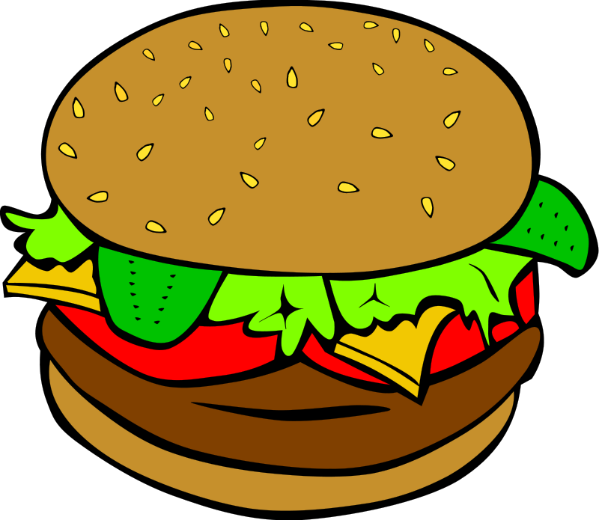
1. You need to rent a car for one day as you visit your friend in California. Hertz charges $65 per day and $.10 per mile. Avis charges $40 per day and $.25 per mile.
2. Write and solve this system of equations.
3. How many miles until Avis is no longer the better option.

Let x =miles and y=cost

1. Your mom gives you $100 to buy sandwiches for a party. Chicken Sandwiches are $4 and Cheeseburgers are $3. You need to have a total of 31 sandwiches for the party.
2. Write and solve this system of equations.

Let x = chicken sand.

Let y = hamburgers

1. You are babysitting for a family that gives you the option of how you want to be paid. The first option is a flat fee of $30 per day. The second option is $8 per hour.
2. ****Write and solve this system of equations.

Let x = hours

Let y = total pay

1. Graph the following system of equations

y = -2x + 4

x - 4y = 11

1. Find the solution.
2. Find the product of your solution.

**ALGEBRA ONE NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SYSTEMS STATION ACTIVITY**

|  |  |
| --- | --- |
| 1. **EQUATION 1:**   **EQUATION 2:**  **WORK:**  **SOLUTION:\_\_\_\_\_\_\_\_\_\_\_\_** | 1. **EQUATION 1:**   **EQUATION 2:**  **WORK:**  **SOLUTION:\_\_\_\_\_\_\_\_\_\_\_\_** |
| 1. **EQUATION 1:**   **EQUATION 2:**  **WORK:**  **SOLUTION:\_\_\_\_\_\_\_\_\_\_\_\_** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     **SOLUTION:\_\_\_\_\_\_\_\_\_\_\_\_**  **PRODUCT OF THE SOLUTION: \_\_\_\_\_\_\_\_\_\_\_\_\_\_** |