**Activity - Algorithms**

**Write an algorithm for each one of the following problems**.

1. To calculate the product, sum and average of three numbers and display the three results.

2. To control the access of vehicles to a parking lot with a capacity of 20 units. When the parking lot is full, it must display the message “No vacancy”.

3. To determine if any given letter is positioned before or after the letter **m.**

4. To sum all numbers from the series 3, 6, 9, 12, …, 99 and display the result.

5. To calculate the sum of only the positive numbers from a series entered by the user. The program stops when the user types **0**. (zero)