- Select quantity with the lowest Total Cost, including the cost of the items purchased.

The following This JavaScript compute the optimal values for the decision variables based on currently available information about the above factors.
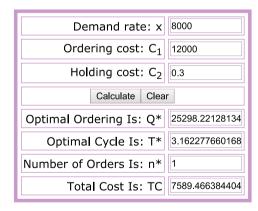
Enter the needed information, and then click the **Calculate** button.

In entering your data to move from cell to cell in the data-matrix use the **Tab key** not arrow or enter keys.

**MENU:**

<br>

## The Classical Model

| | |
|---|---|
| Demand rate: x | 8000 |
| Ordering cost: $C_1$ | 12000 |
| Holding cost: $C_2$ | 0.3 |
| Calculate | Clear |
| Optimal Ordering Is: Q* | 25298.22128134 |
| Optimal Cycle Is: T* | 3.162277660168 |
| Number of Orders Is: n* | 1 |
| Total Cost Is: TC | 7589.466384404 |

<br>

## Shortages Permitted Model

| | |
|---|---|
| Demand rate: x | 600000 |
| Ordering cost: $C_1$ | 100 |
| Holding cost: $C_2$ | 0.25 |