

# Variables

**Table 3-14**

Constant or Variable	Description
<code>COST_PER_CUBIC_FOOT</code>	A named constant, declared as a <code>double</code> and initialized with the value 0.23. This represents the cost to build a crate, per cubic foot.
<code>CHARGE_PER_CUBIC_FOOT</code>	A named constant, declared as a <code>double</code> and initialized with the value 0.5. This represents the amount charged for a crate, per cubic foot.
<code>length</code>	A <code>double</code> variable to hold the length of the crate, which is input by the user.
<code>width</code>	A <code>double</code> variable to hold the width of the crate, which is input by the user.
<code>height</code>	A <code>double</code> variable to hold the height of the crate, which is input by the user.
<code>volume</code>	A <code>double</code> variable to hold the volume of the crate. The value stored in this variable is calculated.
<code>cost</code>	A <code>double</code> variable to hold the cost of building the crate. The value stored in this variable is calculated.
<code>charge</code>	A <code>double</code> variable to hold the amount charged to the customer for the crate. The value stored in this variable is calculated.
<code>profit</code>	A <code>double</code> variable to hold the profit GCI makes from the crate. The value stored in this variable is calculated.