

Solution:

The cost of goods sold is given by:

$$\text{Cost of Goods Sold} = \text{Net Sales} - \text{Gross Profit}$$

However, we have the values

$$\text{Net Sales} = 300,000 \text{ \& Gross Profit} = 0.25 \times 300,000 = 75,000$$

Thus, we get the cost of goods sold as:

$$\text{Cost of Goods Sold} = 225,000$$

By the principle of periodic inventory management, we have

$$\text{Cost of Goods Sold} = \text{Inventory (Begin)} + \text{Purchases} - \text{Inventory (End)}$$

Thus, we get the following value for the end inventory:

$$\text{End Inventory} = 55,000 + 210,000 - 225,000 = 40,000$$

Thus, the estimated cost of ending inventory is given by

$$\text{Ending Inventory (est.)} = \$40,000$$

If we assume that there was no inventory shrinkage prior to the theft (or negligible if there was any), then this is the cost of the merchandise that was stolen by the person.