

Solution:

(1)

The cost of goods sold by the store is given by:

$$\text{Cost of Goods Sold} = \$1,180,000$$

Thus, the average inventory turnover is given by:

$$\begin{aligned}\text{Inventory Turnover} &= \text{Cost of Goods Sold} \div \text{Average Inventory} \\ &= 1,180,000 \div 1,000,000 = 1.18\end{aligned}$$

Thus, the turnover comes out to be 1.18.

(2)

If the inventory turnover is 1.5, then we can find the cost of goods sold as follows:

$$\text{Cost of Goods Sold} = 1.5 \times \$1,000,000 = \$1,500,000$$

The sales are given by

$$\text{Net Sales} = 0.9 \times \$2,500,000 = \$2,250,000$$

Thus, the percentage of gross profit is given by:

$$\text{Percentage of gross profit (est.)} = \left(\frac{2,250,000 - 1,500,000}{2,250,000} \times 100 \right) \% = 33.3\%$$

The percentage of gross profit in 2014 was given by:

$$\text{Percentage of gross profit (2014)} = \frac{1,320,000}{2,500,000} \times 100 = 52.80\%$$

Thus, the percentage of gross profit has decreased compared to the last time. This indicates that the idea might not be very good to be implemented.