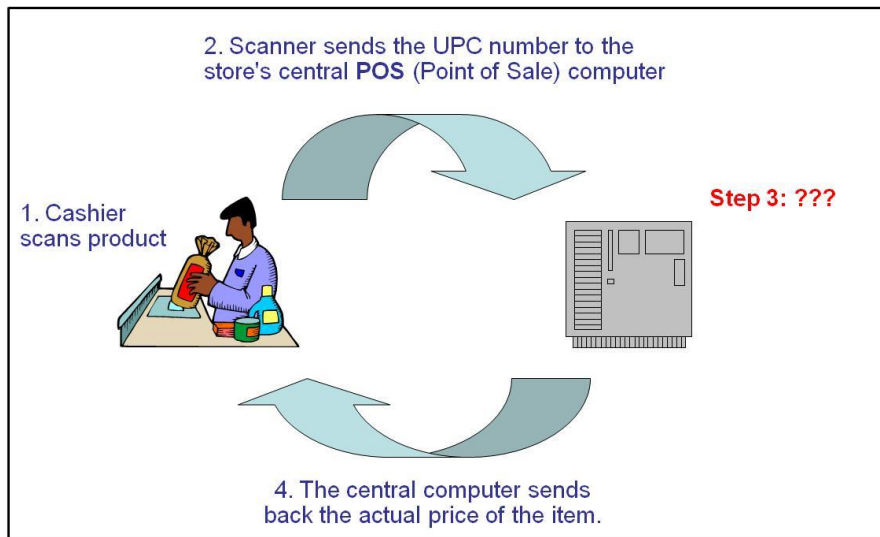**E217: Inventory Management**

Quiz for Problem 07: Damage Report

State if the below statement is **True** or **False**.

1. Business processes such as data entry, price identification and inventory control can be automated and productivity increased with use of barcodes
    Answer: True

2. The Universal Product Code (UPC) is used mainly in Canada and the United States and consists of 13 digits.
    Answer: False. UPC consists of 12 digits

3. The first 6 digits of a UPC represent the item identification given to that product by the manufacturer.
    Answer: False. The first 6 digits of a UPC identify the manufacturer.

4. We can identify the country of origin of a given product by looking at the second 5 digits of a UPC
    Answer: False. Country of origin should be identified from the first 6 digits of a UPC.

5. The purpose of the 13th digit of a UPC is a check digit and this helps to ensure that the barcode is correctly scanned.
    Answer: False. There is no 13th digit in a UPC. It should be 12th digit, the check digit.

6. Barcodes generated according to EAN and UPC standards are same.
    Answer: False. Barcode will be different with each other.

7. A supply chain spans all movements and storage of raw materials, work-in-process inventory and finished goods from point-of-origin to point-of-consumption.
    Answer: True

8. In a typical supply chain, information such as customers sales patterns and data usually flows from the right to the left
    Answer: True.

9. Identify the appropriate activities occurring at **Step 3** of the below diagram, which shows the information flows in a barcoding system.

    a. The company's POS computer will use the UPC to calculate the check digit
    b. No actions are taken by the company's POS computer
    c. The company's POS computer will use the UPC to look up the product price
    d. The company's POS computer will use the UPC to verify if it should contain 12 or 13 digits

Answer: c

10. Calculate the check digit for **1234567X**.
    a. 8
    b. 6
    c. 4
    d. 2
    e. 0

Answer: e