Model Answer Explanation

The model answer is just one way to approach this problem, not the only solution. For this question, first, we opened the CSV file `supermarket_transactions.csv` in Excel. Then we aggregated and analysed the data using filters and formulas to answer the following questions:

Question 1: Across locations, how many apples were purchased in cash?

To answer this question, we filtered the data sheet to include only rows where the `product_name` is “apple” and where the `payment_method` is “cash.” Then, we summed the `quantity` column to get an answer of **117 apples**.

Question 2: How much total cash was spent on these apples?

Here, we left the data sheet filtered to include only rows where the `product_name` is “apple” and where the `payment_method` is “cash.” Then, we summed the `total_amount` column to get an answer of **$537.03**.

Question 3: Across all payment methods, how much money was spent at the Bakershire store location by non-member customers?

For this question, we cleared all the previous filter criteria. Then, we filtered the data sheet to include only rows where the `customer_type` was non-member, and the `store` was Bakershire. Then, we summed the `total_amount` column to get an answer of **$2,857.51**.