

GMAT Integrated Reasoning: Table Analysis 02

Instructions:

The following table presents data for a retail company's performance across three product lines and three markets during Quarter 1 (Q1) and Quarter 2 (Q2). For each of the statements below, indicate whether it is true or false based on the information provided. Select "True" if the statement is supported by the data in the table; otherwise, select "False."

RetailCo Quarterly Performance Metrics

Product Line	Market	Q1 Sales (\$)	Q2 Sales (\$)	Average Customer Rating (1-5)	Marketing Budget (\$)
Electronics	US	1,200,000	1,450,000	4.5	150,000
Apparel	US	850,000	800,000	4.2	120,000
Home Goods	US	600,000	720,000	4.8	90,000
Electronics	Europe	950,000	1,100,000	4.6	130,000
Apparel	Europe	700,000	650,000	4.1	100,000
Home Goods	Europe	550,000	600,000	4.7	85,000
Electronics	Asia	1,100,000	1,200,000	4.4	140,000

Apparel	Asia	900,000	880,000	4.3	110,000
Home Goods	Asia	750,000	780,000	4.9	95,000

Question 1: What was the total revenue generated from all product lines in Asia during Q2?

- (A) \$2,780,000
- (B) \$2,860,000
- (C) \$2,900,000
- (D) \$3,050,000

Question 2: Which product line had the highest average customer rating across all markets?

- (A) Electronics
- (B) Apparel
- (C) Home Goods
- (D) All had the same average rating

Question 3: What was the percentage increase in sales for Home Goods in the US from Q1 to Q2?

- (A) 15%
- (B) 20%
- (C) 25%
- (D) 30%

Question 4: True or False: The total sales in the US market in Q2 were greater than the total sales in the Europe market in Q2.

- (A) True
- (B) False

Question 5: True or False: The total marketing budget for Electronics across all markets was less than the total marketing budget for Apparel across all markets.

- (A) True
- (B) False

Answers and Explanations

Question 1: The correct answer is **(B) \$2,860,000**. **Explanation:** To find the total sales in Asia

during Q2, you must sum the Q2 Sales for all product lines in that market:

- Electronics (Asia) Q2 Sales: \$1,200,000
- Apparel (Asia) Q2 Sales: \$880,000
- Home Goods (Asia) Q2 Sales: \$780,000
- Total = $1,200,000+880,000+780,000=\$2,860,000$.

Question 2: The correct answer is **(C) Home Goods**. **Explanation:** You need to calculate the average customer rating for each product line across all markets.

- **Electronics** average rating: $(4.5+4.6+4.4)/3=4.5$
- **Apparel** average rating: $(4.2+4.1+4.3)/3=4.2$
- **Home Goods** average rating: $(4.8+4.7+4.9)/3=4.8$ Comparing the averages, Home Goods has the highest at 4.8.

Question 3: The correct answer is **(B) 20%**. **Explanation:** The percentage increase is calculated as $((Q2\ Sales - Q1\ Sales)/Q1\ Sales)\times 100$.

- Home Goods (US) Q1 Sales: \$600,000
- Home Goods (US) Q2 Sales: \$720,000
- Percentage Increase = $((\$720,000-\$600,000)/\$600,000)\times 100=(\$120,000/\$600,000)\times 100=0.20\times 100=20\%$.

Question 4: The correct answer is **(A) True**. **Explanation:**

- **Total Sales in US (Q2):** $1,450,000+800,000+720,000=\$2,970,000$
- **Total Sales in Europe (Q2):** $1,100,000+650,000+600,000=\$2,350,000$
- Comparing the totals, \$2,970,000 (US) is indeed greater than \$2,350,000 (Europe). Therefore, the statement is True.

Question 5: The correct answer is **(B) False**. **Explanation:**

- **Total Marketing Budget (Electronics):** $150,000+130,000+140,000=\$420,000$
- **Total Marketing Budget (Apparel):** $120,000+100,000+110,000=\$330,000$
- Comparing the totals, \$420,000 (Electronics) is not less than \$330,000 (Apparel). Therefore, the statement is False.