Official Gmat Data Insights Practice Questions

Section: GMAT Test Data Insights Exams • **Total Questions:** 9 • **Format:** Verified Q&A

1. Four school friends, Zara, Bryan, Charlie, and Diana, are competing to see who will earn the most credits in Science and Math. Who earned the most total credits in Science and Math? (1) Zara earned 15% more credits in Science than Bryan, and 10% fewer credits in Math than Charlie, while Diana earned 20% more total credits in Science and Math than Zara. (2) Bryan's total credits in Science and Math are fewer than Charlie's, and Diana's credits in Science are higher than both Bryan's and Charlie's combined total credits in Science and Math.

(A) Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.
(B) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.
(C) BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.
(D) EACH statement ALONE is sufficient.
(E) Statements (1) and (2) TOGETHER are NOT sufficient.

2. The average[arithmetic mean] age of the nontenured faculty members in the Physics Department at University M is 40 years. What is the average age, in years, of all faculty members in the Physics Department? (1) There are 4 × as many nontenured faculty members as tenured faculty members. (2) There are 7 tenured faculty members.

(A) Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.
(B) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.
(C) BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.
(D) EACH statement ALONE is sufficient.
(E) Statements (1) and (2) TOGETHER are NOT sufficient.

3. Two people will be selected from a group of n (n ? 10) people. If there are at least 2 adults and 2 children, and n is an even number, how many people in the group are adults?

(A) Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.
(B) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.
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(D) EACH statement ALONE is sufficient.
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4. If the store were to choose Plan A, then which of the following amounts would be closest to the total amount that the store would spend in the first year for ATM purchase and installation, maintenance, and cash loading?

> *A convenience store is planning to install an automatic teller machine (ATM) for customers to withdraw money and check on their account balances when shopping in the store. The store intends to fund the ATM by way of a $2 surcharge that would be applied to every ATM transaction. The store averages about 2,500 retail transactions per month and does not expect that number to change with the addition of an ATM. However, the store estimates that 6 percent of those retail transactions would be accompanied by an ATM transaction if an ATM were installed in the store. The store is undecided whether it would be better to purchase its own ATM or to lease one. The store contacted Dollar Vending Services (DVS), an ATM installation and servicing company, to determine its available options.DVS Maintenance Plans:The table shows a comparison of the features of the three ATM service plans offered by DVS as well as the percentage of the ATM transaction surcharge that the store would receive under each plan. Under Plan A, the store would purchase an ATM directly from DVS and pay them to maintain and load cash into the machine. Under Plans B and C, the store would lease an ATM from DVS.Plan A provides no ATM included at no charge, no maintenance, no cash loading, and the store receives 100% of the ATM surcharge; Plan B includes the ATM at no charge, includes maintenance, no cash loading, and the store receives 50% of the surcharge; Plan C includes the ATM at no charge, includes maintenance, includes cash loading, and the store receives 0% of the surcharge.ATM COSTS:The table shows the costs that the store expects to incur from the installation and maintenance of an ATM. The purchase and installation costs are a one-time expense and the other costs are incurred monthly.purchase and installation cost $10,000 as a one-time expense, maintenance costs $250 per month, and cash loading costs $150 per month.*

(A) 1,800
(B) 10,000
(C) 11,800
(D) 14,800
(E) 16,000

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5. Company T's business model predicted the company's revenue for the years 2001 through 2006, based on the company's revenue for the year 2000. For each of the years 2001 through 2006, the predicted revenue was 10% more than the predicted revenue for the preceding year. What was the first year for which the predicted revenue was more than $16,000,000? (1) The predicted revenue for 2001 was $11,000,000. (2) The predicted revenue for 2004 was $4,641,000 more than the revenue for 2000.

(A) Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.
(B) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.
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(D) EACH statement ALONE is sufficient.
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6. Lynn was born on February 29th. She celebrates her birthday every year on the last day of February. Lynn's cousin, Pete, whose date of birth is the same as that of Lynn, celebrated his birthday today. Is it February 28th today? (1) Lynn had a birthday party exactly four years ago. (2) Pete turned exactly 24 years old today.

(A) Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.
(B) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.
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7. Five volunteers signed up to work a bake sale. George signed up for the 9:00 a.m.-10:00 a.m. slot, and Juan signed up for the 10:00 a.m.-11:00 a.m. slot. The start of Cora's time slot begins with an even number. Which time slot does Cora work? (1) Cora's time slot is not immediately before George's time slot. (2) Cora's time slot is later in the day than George's time slot.

(A) Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.
(B) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.
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8. Last year, Beth's home was d km due north of Ann's home and Carol's home was d km due south of Ann's home. Before Beth and Carol moved, the total distance was 100 kilometers for a trip that began at Ann's home, proceeded in a straight line to Beth's home, then to Carol's home, and then to Ann's home. (1) Before Beth and Carol moved, the total distance was 100 kilometers. (2) After Beth and Carol moved, the straight-line distance between Beth's home and Carol's home decreased by 90%.

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(B) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.
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9. For each of the following products, select Sufficient if the information provided is sufficient to determine whether the unit price of the product is less than Ã¢â€š¬3. Otherwise, select Insufficient.

> *For each of 18 recent purchases that included each of Products A - D, the table shows the product subtotals (the unit price for that product multiplied by the number of units bought as part of that purchase). For example, the table shows that, in the purchase corresponding to Receipt 1, €14.0 of the total purchase was due to the purchase of units of Product D. For each product, the number of units bought was always an integer and the unit price was the same for each of the 18 purchases.*

(A) Product A

(B) Product B

(C) Product C

(D) Product D