

GMAT Quant Practice Test

Q1. The population of City X increased from 2 million in the year 2000 to 2.5 million in 2015 and the gross domestic product of the city in 2000 was $\frac{3}{8}$ less than that in 2015. What was the approximate percent change, rounded to the nearest integer if required, in the per capita gross domestic product of the city from 2000 to 2015?

- A. 22% decrease
- B. 22% increase
- C. 28% increase
- D. 53% increase
- E. 113% increase

Q2. A box contains 20 balls, of which 12 are red and 8 are blue. If two balls are to be drawn from this box at random without replacement, what is the probability that one ball will be red and the other will be blue?

- A. $\frac{1}{96}$
- B. $\frac{6}{25}$
- C. $\frac{24}{95}$
- D. $\frac{48}{95}$
- E. 1

Q3. Given that:

$$4m+n=20; \text{ and}$$

$$|n| \leq 20$$

How many ordered pairs (m,n) exist in which m and n both are integers?

- A. Five
- B. Six
- C. Ten
- D. Eleven
- E. Forty-one

Q4. Company X sold 1,500 units of its product for \$9 each and 750 units for \$6 each. If the company's cost of producing each unit of the product was \$7, what was the company's profit or loss on the sale of 2,250 units?

- A. \$2250 loss
- B. \$750 loss
- C. No profit or loss
- D. \$2250 profit
- E. \$18,000 profit

Q5. In a certain class, a teacher distributed a few candies and a few bars among the students such that each student got an equal number of candies and an equal number of bars and no candies or bars remained undistributed. How many students were there in the class?

- (1) The teacher distributed 180 candies and 40 bars.
(2) The total number of items received by each student was less than 20.

- A. Statement (1) ALONE is sufficient, but statement (2) ALONE is not sufficient to answer the question asked.
B. Statement (2) ALONE is sufficient, but statement (1) ALONE is not sufficient to answer the question asked.
C. BOTH statements (1) and (2) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient to answer the question asked.
D. EACH statement ALONE is sufficient to answer the question asked.
E. Statements (1) and (2) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Q6. If no bulk purchase discount applies, what is the price of 13 oranges and 12 apples?

- (1) The price of 39 oranges and 36 apples is \$111.
(2) The price of 3 oranges and 2 apples is \$7.
A. Statement (1) ALONE is sufficient, but statement (2) ALONE is not sufficient to answer the question asked.
B. Statement (2) ALONE is sufficient, but statement (1) ALONE is not sufficient to answer the question asked.
C. BOTH statements (1) and (2) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient to answer the question asked.
D. EACH statement ALONE is sufficient to answer the question asked.
E. Statements (1) and (2) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Q7. What is the price of an orange?

- (1) The price of 3 oranges and 2 apples is \$7.
(2) The price of an orange and the price of an apple are both integers.
A. Statement (1) ALONE is sufficient, but statement (2) ALONE is not sufficient to answer the question asked.
B. Statement (2) ALONE is sufficient, but statement (1) ALONE is not sufficient to answer the question asked.
C. BOTH statements (1) and (2) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient to answer the question asked.
D. EACH statement ALONE is sufficient to answer the question asked.
E. Statements (1) and (2) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Q8. A trader purchased three products - Product X, Product Y, and Product Z - for a sum of \$500,000. Did the trader pay more than \$200,000 for Product Z?

(1) The sum the trader paid for Product X and Product Y combined was 3 times the sum the trader paid for Product X.

(2) The trader paid more to purchase Product Z than to purchase Product Y.

A. Statement (1) ALONE is sufficient, but statement (2) ALONE is not sufficient to answer the question asked.

B. Statement (2) ALONE is sufficient, but statement (1) ALONE is not sufficient to answer the question asked.

C. BOTH statements (1) and (2) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient to answer the question asked.

D. EACH statement ALONE is sufficient to answer the question asked.

E. Statements (1) and (2) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.