GMAT-QUANTITIVE^{Q&As}

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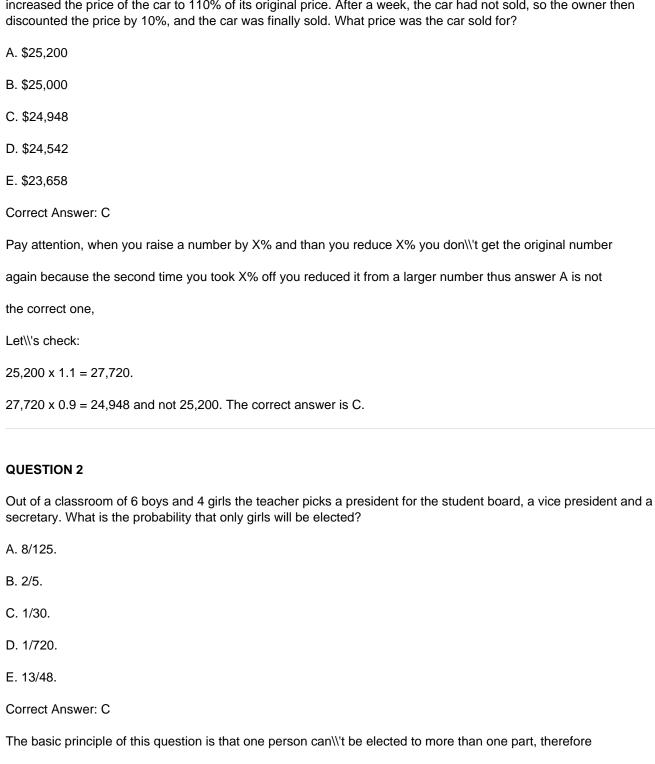
QUESTION 1

The original price of a car was $25,200. Because the car owner thought he could get more money for the car, he increased the price of the car to 110% of its original price. After a week, the car had not sold, so the owner then discounted the price by 10%, and the car was finally sold. What price was the car sold for?

A. $25,200

B. $25,000

C. $24,948

D. $24,542

E. $23,658

Correct Answer: C

Pay attention, when you raise a number by X% and than you reduce X% you don\\'t get the original number

again because the second time you took X% off you reduced it from a larger number thus answer A is not

the correct one,

Let\\'s check:

25,200 x 1.1 = 27,720.

27,720 x 0.9 = 24,948 and not 25,200. The correct answer is C.

QUESTION 2

Out of a classroom of 6 boys and 4 girls the teacher picks a president for the student board, a vice president and a secretary. What is the probability that only girls will be elected?

A. 8/125.

B. 2/5.

C. 1/30.

D. 1/720.

E. 13/48.

Correct Answer: C

The basic principle of this question is that one person can\\'t be elected to more than one part, therefore

when picking a person for a job the "inventory" of remaining people is growing smaller.

The probability of picking a girl for the first job is 4/10 = 2/5.

The probability of picking a girl for the second job is (4-1)/(10-1) = 3/9.

The probability of picking a girl for the third job is (3-1)/(9-1) = 1/4.

The probability of all three events happening is: 2/5 x 3/9 x ¼ = 1/30.

QUESTION 3

The value of a stock is X dollars. On Sunday the stock\\'s value grew by half of its value, but on Monday its value dropped to a third of its new value. What is the stock\\'s value at the end of Monday?

A. X.

B. X/2.

C. 2X/3.

D. X/3.

E. X/4.

Correct Answer: B

Let\\'s say that the original value of the stock was 100. After Sunday its value was 150, after Monday its value was 50 thus one half of its original value.

QUESTION 4

A is an integer. Which of the following expressions must be even?

A. A (A+2) -1.

B. A(A -1) +1.

C. (A+1)(A+2).

D. (A -1)(A +3).

E. A2 -1.

Correct Answer: C

Answer C is a multiplication of two consecutive numbers, therefore one of them must be even, and an even number multiplied by a different number is an even number.

QUESTION 5

Kenny is three times older than Bob. In P years he will be twice older than Bob will be Q years later. Which of the following represents Kenny\\'s age comparing to Bob\\'s? (If X = Kenny\\'s age)

A. X + P = 6X (P+Q).

B. 2(X+P) = 3X + Q.

C. (X+P)/2 = X/3 + P + Q.

D. 3(X+P+Q) = 2X.

E. 3X = 2(P + Q).

Correct Answer: C

X is Kenny\\'s age. X/3 is Bob\\'s age. Answer C is equivalent to (X+P) = 2(X/3+P+Q), which means that in P years, X+P is 2 times (X/3+P) plus Q years. The correct answer is C.

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