



GMAT-QUANTITIVE^{Q&As}

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QUESTION 1

Jennifer bought two apartments in order to rent them to other people with \$300,000. The monthly return on the first apartment is 1.5% of its value and on the second apartment the return is 2% of its value. If the total returns of the entire year were \$61,200, how much did Jennifer spent on the second apartment?

- A. \$100,000
- B. \$120,000
- C. \$150,000
- D. \$180,000 E. \$210,000

Correct Answer: B

The easiest way is to back solve the question.

Take answer B, if that is the amount Jennifer invested in the second apartment; the annual return from that apartment was $(120,000 \times 0.24 = 28,800)$. Therefore there are \$180,000 left to invest in the first apartment, 18% of \$180,000 is \$32,400.

Sum them up; the total return is like the question asked- \$61,200.

QUESTION 2

A fence has a square gate. What is the height of the gate?

(1)

The width of the gate is 30 inches.

(2)

The length of the diagonal brace of the gate is $30\sqrt{2}$

inches.

- A. Statement (1), BY ITSELF, will suffice to solve the problem, but NOT statement (2) by itself.
- B. Statement (2), BY ITSELF, will suffice to solve the problem, but NOT statement (1) by itself.
- C. The problem can be solved using statement (1) and statement (2) TOGETHER, but not ONLY statement (1) or statement (2).
- D. The problem can be solved using EITHER statement (1) only or statement (2) only.
- E. The problem CANNOT be solved using statement (1) and statement (2) TOGETHER.



Correct Answer: D

$\sqrt{2}$

Knowing that the gate is square and the diagonal is 30

$\sqrt{2}$

, the Pythagorean theorem can be used with x as the side of the square. $x^2 + x^2 = (30$

)². Or you may recall that the length of a leg will

$$\frac{30\sqrt{2}}{2} = 30$$

be because it is an isosceles triangle. Thus, statement (2) is sufficient. Since statement (1) gives the width and the gate is a square, then the height is the same as the width. Either statement is sufficient.

QUESTION 3

If a , b , c and d are consecutive integers (a