

GMAT-QUANTITIVE^{Q&As}

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QUESTION 1

A certain basketball player receives a \$700 bonus for every dunk that he performs and a \$1,000 bonus for every game that the team wins. Last month, the player earned \$9,100 on bonuses only, how many dunks did he preform last month?

(1)

Last month the player preformed at least 3 dunks.

(2)

The number of dunks, last month, was two and a half times smaller than the number of wins.

Α.

Statement (1) BY ITSELF is sufficient to answer the question, but statement (2) by itself is not.

Β.

Statement (2) BY ITSELF is sufficient to answer the question, but statement (1) by itself is not.

C.

Statements (1) and (2) TAKEN TOGETHER are sufficient to answer the question, even though NEITHER statement BY ITSELF is sufficient.

D.

Either statement BY ITSELF is sufficient to answer the question.

Ε.

Statements (1) and (2) TAKEN TOGETHER are NOT sufficient to answer the question, requiring more data pertaining to the problem.

Correct Answer: B

Statement (1) is insufficient since it gives two possible options: 13 dunks or 3 dunks and 7 wins. Statement

(2) is sufficient since it eliminates all the answers but one: 7 wins and 3 dunks.

QUESTION 2

Concentrated orange juice comes inside a cylinder tube with a radius of 2.5 inches and a height of 15 inches. The tubes are packed into wooden boxes, each with dimensions of 11 inches by 10 inches by 31 inches. How many tubes of concentrated orange juice, at the most, can fit into 3 wooden boxes?

A. 24.

B. 28.

C. 36.



D. 42.

E. 48.

Correct Answer: A

You want to waste as little amount of space as possible, therefore make the height of the box 11 and fit 4 boxes at the bottom so you lose only 1 inch of margin at the top and on one of the sides. You can see that 8 tubes can fit into one box thus 24 tubes fit into 3 boxes.

QUESTION 3

There are 7 players in a bowling team with an average weight of 85 Kg. If two new players join the team,

one weighs 110 Kg and the second weighs 60 Kg, what will be the new average weight?

A. 75 Kg.

B. 80 Kg.

- C. 85 Kg.
- D. 90 Kg.
- E. 92 Kg.

Correct Answer: C

The trick to this question is to notice that the average weight of the two new players is exactly 85 Kg and so when they join the team, the average weight stays the same.

QUESTION 4

How much was the original price of a car, which was sold for \$25,000?

(1)

The original price was more than half of the price it was sold. (2) The car has appreciated in value by 35% from its original value.

Α.

Statement (1) BY ITSELF is sufficient to answer the question, but statement (2) by itself is not.

Β.

Statement (2) BY ITSELF is sufficient to answer the question, but statement (1) by itself is not.

C.

Statements (1) and (2) TAKEN TOGETHER are sufficient to answer the question, even though NEITHER statement BY ITSELF is sufficient.



D.

Either statement BY ITSELF is sufficient to answer the question.

Ε.

Statements (1) and (2) TAKEN TOGETHER are NOT sufficient to answer the question, requiring more data pertaining to the problem.

Correct Answer: B

Statement (1) is insufficient since it doesn//'t give us exact information about the original price, more than half is not accurate enough. Statement (2) is sufficient since it tells us that the original value is 65% of the price it was sold.

QUESTION 5

ls a>b?

(1)

a2 > b2

(2)

a+d > b+d

Α.

Statement (1) BY ITSELF is sufficient to answer the question, but statement (2) by itself is not.

Β.

Statement (2) BY ITSELF is sufficient to answer the question, but statement (1) by itself is not.

C.

Statements (1) and (2) TAKEN TOGETHER are sufficient to answer the question, even though NEITHER statement BY ITSELF is sufficient.

D.

Either statement BY ITSELF is sufficient to answer the question.

Ε.

Statements (1) and (2) TAKEN TOGETHER are NOT sufficient to answer the question, requiring more data pertaining to the problem.

Correct Answer: B

Plug in numbers. The first statement will work when a=3 and b=2, for example and then a2=9 and b2=4. However, it will not work when a=(-2) and b=(-3), then a2=4, and b2=9. The second statement is sufficient, it is possible to subtract d from both sides of the inequality and get: a+d-d>b+d-d, or a>b.



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