

GMAT Data Sufficiency Practice Test 4

If t and x are integers, what is the value of x ?

(1) $\frac{x^2}{t^2} = \frac{4}{9}$

(2) $x > 0$ and $t > 0$

Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.

Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.

BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.

EACH statement ALONE is sufficient.

Statements (1) and (2) TOGETHER are NOT sufficient.

The cost of a certain phone call was \$0.75 for the first 3 minutes and \$0.20 for each additional minute after the first 3 minutes. Did the phone call last longer than 15 minutes?

(1) The cost of the phone call was less than \$4.16

(2) The cost of the phone call was greater than \$3.35

Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.

Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.

BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.

EACH statement ALONE is sufficient.

Statements (1) and (2) TOGETHER are NOT sufficient.

If a , b , and c are positive integers, is $(a + c)(b + c)$ an even integer?

(1) a is odd

(2) b is even

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Did David solve more questions than Steve in a 2-hour test?

1. Thrice the number of questions that David solved in the test was greater than 6 less than thrice the number of questions that Steve solved in the test.
2. Twice the number of questions that David solved in the test was greater than 4 less than twice the number of questions that Steve solved in the test.

Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.

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Statements (1) and (2) TOGETHER are NOT sufficient.

Mrs. Brown is dividing 50 students into 3 groups for a class project. How many children are in the largest group?

- (1) The total number of children in the two smaller groups is equal to the number of children in the largest group.
- (2) The smallest group contains 6 children.

Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.

Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.

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EACH statement ALONE is sufficient.

Statements (1) and (2) TOGETHER are NOT sufficient.

The total cost of food for the raccoons at the Altadena Wildlife Rescue has increased as the number of raccoons at the Rescue has increased. If it costs the same amount to feed each raccoon, is the cost of food for 7 raccoons more than \$2,000 annually?

- (1) It costs more than \$1,000 annually to feed 4 raccoons.
- (2) It costs more than \$1,500 annually to feed 5 raccoons.

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Helena invested \$8000 in the Tallahassee City Bank at $z\%$ simple annual interest for one year with a yield of \$450. How much should she invest at $s\%$ simple annual interest for one year to yield the same amount?

(1) $s/100 = 3/4$

(2) $s = .4z$

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Statements (1) and (2) TOGETHER are NOT sufficient.

A certain voting bloc has how many voters?

(1) If no additional voters are added to the bloc, and 4 of the current voters leave the bloc, there will be fewer than 20 voters.

(2) If 4 more voters join the bloc and all of the present voters remain, there will be at least 27 voters.

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EACH statement ALONE is sufficient.
Statements (1) and (2) TOGETHER are NOT sufficient.

Is y an integer?

(1) $7y$ is an integer.

(2) $y/7$ is an integer.

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EACH statement ALONE is sufficient.
Statements (1) and (2) TOGETHER are NOT sufficient.

What is the value of positive two-digit integer x ?

(1) The sum of the two digits is 5.

(2) x is prime.

Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.

Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.

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EACH statement ALONE is sufficient.

Statements (1) and (2) TOGETHER are NOT sufficient.