GMAT QUANT PRACTICE PAPER

1 If a, b, and c are distinct positive integers where $a<b<c$ and $abc---\sqrt{}=c$, what is the value of a?

1. $c=8$
2. The average of a, b, and c is 143

select

EACH statement ALONE is sufficient to answer the question asked

select

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

select

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

select

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

select

Both statements (1) and (2) TOGETHER are sufficient to answer the question asked; but NEITHER statement ALONE is sufficient

2. Line M is tangent to a circle, which is centered on point (3, 4). Does Line M run through point (6, 6)?

1. Line M runs through point (-8, 6)
2. Line M is tangent to the circle at point (3, 6)

select

Both statements (1) and (2) TOGETHER are sufficient to answer the question asked; but NEITHER statement ALONE is sufficient

select

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

select

EACH statement ALONE is sufficient to answer the question asked

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

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3. For nonnegative integers x and y, what is the remainder when x is divided by y?

1. \(\displaystyle \frac{x}{y}=13.8\)
2. The numbers \(\displaystyle x\) and \(\displaystyle y\) have a combined total of less than 5 digits.

select

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

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4. If x and y are positive integers, is xy an integer?

1. Every factor of y is also a factor of x

2. Every factor of x is also a factor of y

select

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5. What is the average of the terms in set J?

1. The sum of any three terms in Set J is 21
2. Set J consists of 12 total terms.

select

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6. Is $xy > 24$?

    1. $y - 2 < x$
    2. $2y > x + 8$

select

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7. If $xy \neq 0$, is $1x+1y=16$?

    1. $x+y=16xy$
    2. $x=y$

select

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

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

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8. What is the value of $x+2y$?

1. $3^x 9^y = 27^{12}$
2. $x=2y$

select

EACH statement ALONE is sufficient to answer the question asked

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9. Is $a^2 > 3a - b^4$?

1. $3a - b^4 = -5$
2. $a>5$ and $b>0$

select

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EACH statement ALONE is sufficient to answer the question asked

10. If $xy \neq 0$, is $a > yx$?

    1. $a = 1x + 1y1y$
    2. x and y are positive integers

select

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