Set T is a finite set of positive consecutive multiples of 14. How many of these integers are also multiples of 21?

1. Set T consists of 30 integers.
2. The smallest integer in Set T is a multiple of 21.

select

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

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

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

2. If $yz \neq 0$, is $x-y+z2z<x2z-y2z-xy$?

1. $\displaystyle \frac{x}{y}< -\frac{1}{2}$
2. $\displaystyle xy< 0$

select

Statement (1) ALONE is sufficient, but statement (2) 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

select

EACH statement ALONE is 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

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

3. Is $x>9$?

    1. $x^2+3x=28$
    2. $9x=5x-28$

select

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

select

EACH statement ALONE is 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

4. A beer company spent $100,000 last year on hops, yeast, and malt. How much of the total expenditure was for hops?

    1. The expenditure for yeast was 20% greater than the expenditure for malt.
    2. The total expenditure for yeast and malt was equal to the expenditure for hops.

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

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

5. What is the value of j+k?

1. mj + mk = 2m
2. 5j + 5k = 10

select

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

select

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

select

EACH statement ALONE is sufficient to answer the question asked.

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

6. x is a positive integer less than 20. What is the value of x?

1. x is the sum of two consecutive integers.
2. x is the sum of five consecutive integers.

select

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

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

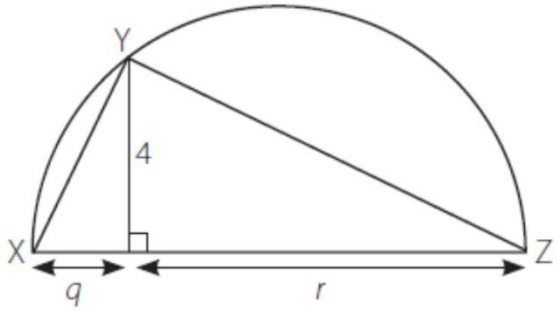
select

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

7.



If arc XYZ above is a semicircle, what is its length?

1. q = 2
2. r = 8

select

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

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

select

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

8. What is the value of x?
(1) (x)(x + 1) = (2013)(2014)
(2) x is odd

select

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

select

EACH statement ALONE is sufficient to answer the question asked

select

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

9. If Alyssa is twice as old as Brandon, by how many years is Brandon older than Clara?
(1) Four years ago, Alyssa was twice as old as Clara is now.
(2) Alyssa is 8 years older than Clara.

select

EACH statement ALONE is sufficient to answer the question asked

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

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

select

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

10. In the first hour of a bake sale, students sold either chocolate chip cookies, which sold for $1.30, or brownies, which sold for $1.50. What was the ratio of chocolate chip cookies sold to brownies sold during that hour?

    1. The average price for the items sold during that hour was $1.42
    2. The total price for all items sold during that hour was $14.20

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

select

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

select

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

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