

Mathematics

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(Chapter – 4) (Linear Equations in two Variables)(Exemplar Problems)
(Class – IX)

Exercise 4.1

Write the correct answer in each of the following:

Question 2:

The equation $2x + 5y = 7$ has a unique solution, if x, y are:

- (A) Natural numbers (B) Positive real numbers
(C) Real numbers (D) Rational numbers

Answer 2:

- (A) Natural numbers

Solution:

In case of natural numbers, there is only one solution i.e. (1, 1) which satisfy the given equation.

But in case of positive real numbers, real numbers or rational numbers, there are infinite number of solutions exists. 