

CBSE NET JANUARY 2017 PAPER II

How many multiples of 6 are there between the following pairs of numbers?

0 to 100 and

-6 to 34

(1) 16 and 6

(2) 17 and 6

(3) 17 and 7

(4) 16 and 7

Ans: (3)

Explanation:

This question can be solved using simple logic too.

Number of multiples of 6 between 1 to 100 = $100/6 = 16$

Since the range starts from zero, we need to take zero too.

Note: zero is a multiple of every integer, except zero itself.

So, answer = $16+1 = 17$

Number of multiples of 6 between 1 to 34 = $34/6 = 5$

Since the range is -6 to 34, we need to take -6 and zero.

So, answer = $5+2 = 7$

So option 3 is correct.

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