

# Mathematics

(www.tiwariacademy.net)

(Chapter – 13) (Statistics & Probability)(Exemplar Problems)  
(Class – X)

## Exercise 13.1

Choose the correct answer from the given four options:

### Question 13:

Which of the following cannot be the probability of an event?

- (A)  $\frac{1}{3}$                       (B) 0.1                      (C) 3                      (D)  $\frac{17}{16}$

### Answer 13:

- (D)  $\frac{17}{16}$

### Solution:

Since, probability of an event always lies between 0 and 1.

The maximum probability of an event = 1

The minimum probability of an event = 0

But  $\frac{17}{16}$  is more than, so it cannot be the probability of an event.

Hence, the option (D) is correct.

