

# Mathematics

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

## Exercise 13.1

Choose the correct answer from the given four options:

### Question 10:

The times (in seconds) taken by 150 athletes to run a 110m hurdle race are tabulated below:

<b>Class</b>	13.8 – 14	14 – 14.2	14.2 – 14.4	14.4 – 14.6	14.6 – 14.8	14.8 - 15
<b>Frequency</b>	2	4	5	71	48	20

The number of athletes who completed the race in less than 14.6 s is

- (A) 11                                      (B) 71                                      (C) 82                                      (D) 130

### Answer 10:

- (C) 82

### Solution:

The number of athletes who completed the race in less than 14.6

$$= 2 + 4 + 5 + 71 = 82$$

Hence, the option (C) is correct.

