

Assertion Reason Questions for Class 10 Maths

Chapter - 13 Statistics

DIRECTIONS:

- (a) If both Assertion and Reason are correct and Reason is the correct explanation of Assertion.
- (b) If both Assertion and Reason are correct, but Reason is not the correct explanation of Assertion.
- (c) If Assertion is correct but Reason is incorrect.
- (d) If Assertion is incorrect but Reason is correct.

Q.1. Assertion: If the value of mode and mean is 60 and 66 respectively, then the value of median is 64.

Reason: Median = (mode + 2 mean)/2

Answer : (c)

Q.2. Assertion: The arithmetic mean of the following given frequency distribution table is 13.81.

x	4	7	10	13	16	19
f	7	10	15	20	25	30

Reason: $\bar{x} = \sum f_i x_i / \sum f_i$

Answer : (a)

Q.3. Assertion: If the number of runs scored by 11 players of a cricket team of India are 5, 19, 42, 11, 50, 30, 21, 0, 52, 36, 27 then median is 30.

Reason: Median = (n+1)/2, if n is odd.

Answer : (d)