



(Mathematics : Statistics)

1. If M is mean of x_1, x_2, \dots, x_{10} then $\sum_{i=1}^{10} (x_i - M)$ is (2011)

- (a) 10 (b) 5
 (c) 15 (d) 0

Ans. (d)

2. The sum of deviations of a set of n values x_1, x_2, \dots, x_n measured from 15 and -3 are -90 and 54 respectively. Then value of n is (2011)

- (a) 12 (b) 8
 (c) 7 (d) 6

Ans. (b)

3. If median of numbers 29, 32, 48, 50, x , $x + 2$, 72, 78, 84, 95 is 63, then x is (2011)

- (a) 52 (b) 56
 (c) 60 (d) 62

Ans. (d)

4. Mean of all the factors of 18 is

- (a) 4.25 (b) 5.0
 (c) 6.5 (d) 7.6

Ans. (c)

5. The mean marks of boys and girls in an examination are 60 and 65 respectively. If the mean marks of all the students in that examination is 62, then the ratio of the number of boys to the number of girls is (2013)

- (a) 2 : 3 (b) 3 : 2
 (c) 122 : 127 (d) 5 : 62

Ans. (b)

6. For the data (2, 9, $x + 6$, $2x + 3$, 5, 10, 5) if mean is 7, then mode is (2013)
- (a) 3 (b) 5
(c) 9 (d) 10

Ans. (a)

7. If 12, 15, 17, 18, $x + 2$, $x + 4$, 25, 30, 31, 32 are in ascending order and median of the observations is 22, then value of x is (2014)
- (a) 20 (b) 19
(c) 22 (d) 23

Ans. (b)

8. Mean of 9 observations was found to be 35. Later on, it was detected that an observation 80 was misread as 8. The correct mean is (2014)
- (a) 43 (b) 42
(c) 44 (d) 45

Ans. (a)

9. The mean of 5 observation is 15. If the mean of first three observation is 14 and last three observation is 17, then the third observation is (2015)
- (a) 18 (b) 19
(c) 17 (d) 20

Ans. (a)

10. If the number 28, 25, 20, 19, 15, x , 10, 7, 6, 3 are in descending order and their median is 13, then the mean is (2015)
- (a) 14.4 (b) 15.4
(c) 16.4 (d) 14.6

Ans. (a)