

Exercise 7.3

Teach san ban

1. Find the mean of the numbers
 - (i) 994, 996, 998, 1000 and 1002.
 - (ii) 63, 65, 67, 68, 69, 70, 71, 72, 74, 75.
2.
 - (i) Find the mean of all the factors of 10.
 - (ii) Find the arithmetic of first 6 natural numbers.
 - (iii) Find the mean of the first six prime numbers.
3. The mean of ten observations is 20. If nine of observations are 16, 20, 18, 17, 22, 16, 15, 20, 17. Find the tenth observation. [CBSE 2011]
4. If the mean of the numbers 10, 11, 16, x , 20 is 15, find the value of x .
5. Find the mean of the following set of numbers: 2, 1, 0, 3, 1, 2, 3, 4, 3, 5.
6. If the mean of 10, 12, 18, 13, p and 17 is 14, find the value of p .
7. The number of children in 25 families of a locality are recorded as follows:
3, 1, 4, 0, 2, 1, 1, 2, 3, 3, 2, 2, 2, 5, 0, 1, 4, 1, 2, 1, 2, 3, 0, 1, 4.
Find the mean number of children per family.
8. The following are the number of books issued in a school library in 20 days :
305, 500, 450, 489, 365, 296, 413, 503, 437, 482, 386, 429, 455, 427, 474, 399, 325, 373, 455, 397.
Find the average number of books issued per day.
9. The mean of x_1, x_2 is 6 and x_1, x_2, x_3 is 7. Find the value of x_3 . [CBSE 2010]
10.
 - (a)
 - (i) The mean of first five natural numbers is.....
 - (ii) The arithmetic mean of first five positive odd integers is.....
 - (iii) The mean of 8, 46, 48, 50, 52, 54 is
 - (iv) If the mean of 3, 4, 5, x is 5, then $x = \dots\dots$
 - (v) The mean of first five even natural numbers is.....

- (b) (i) If 6 is the arithmetic mean of 2, 5, p , 8, find p .
 (ii) If the mean of the data 6, 8, 10, 3, 7 and m is 7, then find the value of m . [CBSE 2011]
 (iii) The A.M. of 1, 7, 5, 3, 4 and 4 is m the numbers 3, 2, 4, 2, 3, 3 and p have mean $m - 1$. Find p .

Answers

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| 1. | (i) 998 | (ii) 69.4 | | |
| 2. | (i) 4.5 | (ii) 3.5 | (iii) 6.83 | |
| 3. | 39 | 4. 18 | 5. Mean = 2.4 | 6. $p = 14$ |
| 7. | 2 | 8. 418 | 9. 9 | |
| 10. | (a) (i) 3 | (ii) 5.4 | (iii) 43 | (iv) 8 (v) 6 |
| | (b) (i) 9 | (ii) $m = 8$ | (iii) $p = 4$ | |