18PDM301L – Analytical and Logical Thinking Skills

Work sheet - Average

1. The average age of a group of five members is 35. Find the average age of the group after eight years.
a) 40   b) 37   c) 43   d) 38

2. The average number of wickets taken by a bowler in N matches of the IPL is 3. In the (N+1)th match he led his team to victory by picking 3 more wickets. As a consequence overall average number of wickets
a) Increases by 3   b) Increases by 1   c) Doesn't change d) No conclusions.

3. Find the average of the numbers 50125, 50135, 50128, 50142, 50110
a) 50128   b) 50125   c) 50128   d) 50201

4. The average of 11 numbers is 10.9. If the average of first six is 10.5 and that of the last six is 11.4 the sixth number is?
a) 11   b) 11.3   c) 11.4   d) 11.5

5. The average weight of a group of boys is 30 kg. After a boy of weight 35 kg joins the group, the average weight of the group goes up by 1 kg. Find the number of boys in the group originally ?
a) 4   b) 5   c) 6   d) 7

6. A batsman makes a score of 64 runs in the 16th innings and thus increased his average by 3. Find his average after the 16th inning?
a) 17   b) 29   c) 18   d) 19

7. The average of 18 observations was calculated and it was 124. Later on it was discovered that two observations 46 and 82 were incorrect. The correct values are 64 and 28. The correct average of 18 observations is
a) 123   b) 137   c) 121   d) 122

8. The average age of husband, wife and their child 3 years ago was 27 years and that of wife and the child 5 years ago was 20 years. The present age of the husband is:
a) 35 years   b) 40 years   c) 50 years   d) None of these

9. In a class, the average score in a test written by 30 students is 30. If the marks of the top three scorers are excluded the average drops to 28. If the marks scored by the top three students are consecutive integral values, find the score of the topper.
a) 49   b) 47   c) 44   d) 50

10. The average of ten two digit numbers is 25. When the digits of one of the numbers are reversed, the computed average becomes 28.6. Find the difference between the tens and units digits of the original number.
a) 5   b) 3   c) 4   d) 1