

- 1) The average of x , y and z is 45. x is as much more than the average as y is less than the average. Find the value of z .
- (a) 45
(b) 25
(c) 35
(d) 15
- 2) The average weight of 35 students is 35 kg. If the teacher is also included, the average weight increases to 36 kg. The weight of the teacher is
- (a) 36 kg
(b) 71 kg
(c) 70 kg
(d) 45 kg
- 3) The average of 5 consecutive numbers is n . If the next two numbers are also included, the average will.
- (a) increase by 1
(b) remain the same
(c) increase by 1.4
(d) increase by 2
- 4) Find the average of all prime numbers between 30 and 50.
- (a) 39.8
(b) 38.8
(c) 37.8
(d) 41.8
- 5) If we take four numbers, the average of the first three is 16 and that of the last three is 15. If the last number is 18, the first number is
- (a) 20
(b) 21
(c) 23
(d) 25
- 6) In a family of 8 males and a few ladies, the average monthly consumption of grain per head is 10.8 kg. If the average monthly consumption per head be 15 kg in the case of males and 6 kg in the case of females, find the number of females in the family.
- (a) 8
(b) 7
(c) 9
(d) 15
- 7) The average earning of Shambhu Nath Pandey for the initial three months of the calendar year 2002 is Rs 1200. If his average earning for the second and third month is Rs 1300. Find his earning in the first month?
- (a) 900
(b) 1100
(c) 1000
(d) 1200
- 8) Siddhartha has earned an average of 4200 dollars for the first eleven months of the year. If he justifies his staying on in the US on the basis of his ability to earn at least 5000 dollars per month for the entire year, how much should he earn (in dollars) in the last month to achieve his required average for the whole year?
- (a) 14,600
(b) 5,800
(c) 12,800
(d) 13,800
- 9) A bus goes to Ranchi from Patna at the rate of 60 Kmph. Another bus leaves Ranchi for Patna at the same time as the first bus at the rate of 70 kmph. Find the average speed for the journeys of the two buses combined if it is known that the distance from Ranchi to Patna is 420 kilometers.
- (a) 64.615 kmph
(b) 64.5 kmph
(c) 63.823 kmph
(d) 64.82 kmph

10) A man had seven children. When their average age was 12 years a child aged 6 years died. The average age of the remaining 6 children is

- (a) 6 years
- (b) 13 years
- (c) 17 years
- (d) 15 years

ANSWERS:

- 1 – A
- 2 – B
- 3 – A
- 4 – A
- 5 – B
- 6 – B
- 7 – C
- 8 – D
- 9 – A
- 10 – B

