

## AVERAGE

1. Find the average of the following set of scores

253, 124, 255, 534, 836, 375, 101, 443, 760

- (a) 427      (b) 413      (c) 141      (d) 409      (e) None of these.

2. Find the average of all even numbers between 11 to 63?

- (a) 37.5      (b) 47      (c) 42      (d) 37      (e) None of these

3. Find the average of all prime numbers between 60 and 90.

- (a) 72      (b) 74.7      (c) 74      (d) 73.6      (e) None of these

Q4- The average of three numbers is 135. The largest number is 180. If the difference of the other two numbers is 25. Find the smallest number:

- (a) 100      (b) 125      (c) 130      (d) 140      (e) None of these

Q5. The average of 5 consecutive P, Q, R, S and T is 43. What is product of P and T?

- (a) 1665      (b) 1440      (c) 1845      (d) 1755      (e) None of these

Q6. The average of five number is 6.9. If one of the number is deleted, the average of the remaining number is 4.4. What is the value of the number deleted?

- (a) 12.5      (b) 17.2      (c) 16.9      (d) 16.8      (e) None of these

Q7. A class has 20 boys and 30 girls. The average age of boys is 11 years and that of girls is 12 years. What is the average age of the whole class?

- (a) 11.6 years      (b) 12 years      (c) 10 years      (d) 11.2 years      (e) None of these

Q8. The average age of 30 students of a class is 14 years. When the age of class teacher is included to average becomes 15 years. Find the age of class teacher.

- (a) 45 years      (b) 40 years      (c) 42 years      (d) 44 years      (e) None of these

Q9. In a competitive exam, the average marks obtained by 150 candidates is 32. If the average marks of passed candidates is 40 and that of the failed candidates is 15. What is the number of candidates who passed the exam?

- (a) 48      (b) 102      (c) 60      (d) 90      (e) None of these

Q10. In a cricket tournament Suraj completed 10 innings and his average is 21.6 runs. How many runs must be made in the 11th innings so as to raise his average to 23?

- (a) 32 runs      (b) 34 runs      (c) 37 runs      (d) 41 runs      (e) None of these

Q11. The mean of 100 observations was calculated as 40. It was found later on that one of the observation was misread as 83 instead of 53. The correct mean is:

- (a) 39.7      (b) 39      (c) 40.3      (d) 42.7      (e) None of these

Q12- Among three numbers, first number, is twice of the second number and thrice of the third number. The average of all three numbers is 44. What is the difference between the biggest and least number?

- (a) 24      (b) 32      (c) 40      (d) 48      (e) None of these

Q13. Three years ago, the average age of a family of 5 members was 17 years. A baby having been born, the average age of the family is the same today. The present age of the baby is:  
(a) 2 years      (b) 3 years      (c) 4 years      (d) 5 years      (e) None of these

Q14. The average of four positive integers is 82.5. The highest integer is 134 and the lowest integer is 41. The difference between the remaining two integers is 25. Which of the following is smaller of remaining two integers?

(a) 75      (b) 85      (c) 80      (d) 65      (e) None of these

Q15. There are three sections of a class in a school. The number of students in the three sections is 38, 32 and 40 and the average age of the students of these sections separately is 15.3 years, 16.5 years and 15.9 years respectively. What is the average age of the class?

(a) 15.86      (b) 15.8      (c) 15.72      (d) 14.6      (e) None of these

Q16. The average height of 30 boys out of a class of 50, is 160 cm. If the average height of the remaining boys is 165 cm, the average height of the whole class (in cm) is:

(a) 161      (b) 162      (c) 163      (d) 164      (e) None of these

Q17. The mean temperature of Monday to Wednesday was 37°C. If the temperature of Tuesday to Thursday was 34°C. If the temperature on Thursday was  $\frac{4}{5}$ th that of Monday, the temperature on Thursday was:

(a) 36.5°C      (b) 36°C      (c) 35.5°C      (d) 34°C      (e) None of these

Q18. Five years ago, the average age of A, B, C and D was 45 years. With E joining them now, the average of all five is 49 years. How old is E?

(a) 25 years      (b) 40 years      (c) 45 years      (d) 64 years      (e) None of these

Q19. In a cricket eleven, the average age of eleven players is 28 years. Out of these, the average ages of three groups of three players each are 25 years, 28 years and 30 years respectively. If in these groups, the captain and youngest player are not included, and the captain is eleven years older than the youngest player, What is the age of the captain?

(a) 33 years      (b) 34 years      (c) 35 years      (d) 36 years      (e) None of these

Q20. A man spends Rs 18,000 monthly on an average for the first four months and Rs 20,000 monthly for the next eight months and saves Rs 56,000 a year. His average monthly income is:

(a) 20,000      (b) 22,000      (c) 24,000      (d) 26,000      (e) None of these