

Practice Paper- AVERAGE

1. Average of 4 numbers is 80. The 1st number is $\frac{1}{3}$ of 3 numbers. What would be the first number?
a. 90 b. 100 c. 85 d. 80 e. None of these
2. Average of 1st 20 natural numbers is.
a. 11 b. 12 c. 10.5 d. 11.25 e. None of these
3. in a class, 16 girls has the average age of 18 and 14 boys has the average age of 17. What could be the average age of entire class?
a. 18.28 b. 17.54 c. 19 d. 14.35 e. None of these
4. The average of five numbers is 29. If one number is excluded the average becomes 27. Which number is excluded?
a. 39 b. 37 c. 38 d. 40 e. None of these
5. 6 tables and 12 chairs were bought for Rs. 7800. If the average price of a table is Rs. 750, then the average price of the chair would be?
a. 275 b. 325 c. 375 d. 225 e. None of these
6. Out of 4 members the average of 1st 3 is 15 and that of last 3 is 16. If the last number is 19, the first numbers is..
a. 16 b. 18 c. 20 d. 15 e. None of these
7. 3 years ago the average age of the family of 5 members was 17 years, even after birth of a child the average is same today. Find out the age of child.
a. 4 b. 5 c. 3 d. 2 e. None of these
8. The average weight of 4 men A, B, C, D and C is 67kg. the 5th man E is included and the average decreased by 2 kg. A is replaced by F. the weight of F is 4kg more than E. Average weight decreases because of the replacement of A and now the average weight is 64kg. Find the weight of A.
a. 67 b. 77 c. 52 d. 66 e. None of these
9. The average score of 29 students of a class in a history test is 68 (out of 120) . After removing the top 3 scores, the average score drops by 2.5. If the second highest score is less than 85 and the second highest and the third highest scores are not same, the highest score should be at least what value? (Consider all scores are integer)
a. 95 b. 98 c. 106 d. 108 e. 102
10. In a class, there are 75 students and their marks in the annual exam are 35. If the average marks of passed students is 55 and average marks of failed students is 30, then find out the numbers of students who failed?
a. 50 b. 60 c. 80 d. 90 e. 100
11. The average age of 24 students and the principal is 15 years. When the principal's age is excluded, the average age decreases by 1 year. What is the age of the principal?
a. 38 b. 40 c. 39 d. 37 e. None of these
12. The average monthly expenditure of a family was Rs. 2750 for the first 3 months, Rs. 3150 for the next three months and Rs. 6750 for the next three months. Find the average income of the family for the 9 months, if they save Rs. 650 per month.
a. 4866.66 b. 5123.33 c. 4666.66 d. 4216.66 e. None of these
13. The average age of family of 6 members is 22 years. If the age of the youngest member be 7 years, what was the average age of the family at the birth of the youngest member?
a. 15 b. 18 c. 21 d. 12 e. None of these
14. the average of 3 numbers is 17 and that of the first two is 16. Find the 3rd number?
a. 15 b. 16 c. 17 d. 19 e. None of these.

15. The average of 50 members is 38. If two numbers namely, 45 and 55 are discarded, the average of the remaining numbers is
a. 36.5 b. 37 c. 37.6 d. 37.5 e. None of these
16. The average of ten numbers is 7. If each number is multiplied by 12, then the average of the remaining numbers is ?
a. 7 b. 19 c. 82 d. 84 e. None of these
17. 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 e. None of these
18. In a hotel where rooms are numbered from 101 to 130, each room gives earnings of Rs. 3000 for the first fifteen days of the month and for the latter half Rs. 2000 per room. Find the average earnings per room per day over the month (Assume 30 days in the month)
a. 2250 b. 2500 c. 2750 d. 2466.66 e. None of these
19. The average of 13 paper is 40. The average of the first 7 papers is 42 and last 7 papers is 35. Find the marks obtained in the 7th paper.
a. 23 b. 38 c. 19 d. 39 e. None of these
20. The average age of the Indian Cricket team playing the Nagpur test is 30. The average age of the 5 of the players is 27 and that of another set of 5 players, totally different from the first five is 29. If it is the captain who was not included in either of these two groups then find the age of the captain.
a. 75 b. 55 c. 50 d. 58 e. None of these
21. Siddhartha has earned an average of 4200 dollars for the first 11 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. 14600 b. 5800 c. 12800 d. 13800 e. None of these
22. . The average weight of 38 students of a class was 44kg. After 12 new students joined the class. The average weight increased by 4.68 kg. What is the average weight of 12 new students who newly joined the class?
a. 61.5 b. 65 c. 63.5 d. 62 e. 65.5
23. The average age of 80 students of IIM, Bangalore of the 1995 batch is 22 years. What will be the new average if we include the 20 faculty members whose average age is 37 years?
a. 32 yrs b. 24 yrs c. 25 yrs d. 26 yrs e. None of these
24. The average height of 30 girls out of a class of 40 is 160 cm and that of the remaining girls is 156 cm. the average height of the whole class is?
a. 158 cm b. 158.5 cm c. 159 cm d. 157cm e. None of these
25. The average weight of 6 persons is increases by 2.5 kg when one of them whose weight is 50 kg is replaced by anew man. The weight of the new man is
a. 65 kg b. 75 kg c. 76 kg d. 60 kg e. None of these
26. In a management entrance test, a student scores 2 marks for every correct answer and loses 0.5 marks for every wrong answer. A student attempts all the 100 questionand scores 120 marks. The number of questions he answered correctly was
a. 50 b. 45 c. 60 d. 68 e. None of these
27. 30 oranges and 75 apples were purchased for Rs. 510. If the price per apple was Rs. 2 then the average price of oranges was
a. 12 b. 14 c. 10 d. 15 e. None of these

28. A batsman made an average of 40 runs in 4 innings, but in the fifth inning, he was out on Zero. What is the average after fifth inning?
- a. 32 b. 22 c. 38 d. 49 e. None of these
29. The average of 20 results is 30 and that of 30 more results is 20. For all the result taken together, the average is
- a. 25 b. 50 c. 12 d. 24 e. None of these
30. The average temperature on Monday, Tuesday and Wednesday was 41 c and on Tuesday, Wednesday and Thursday it was 40 c. if on Thursday it was exactly 39 c then on Monday the temperature was
- a. 42 c b. 46 c c. 23c d. 26c e. None of these
31. 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 e. None of these
32. Find the average of four numbers $2\frac{3}{4}$, $5\frac{1}{3}$, $4\frac{1}{6}$, $8\frac{1}{2}$,
- a. $5\frac{3}{16}$ b. $3\frac{3}{16}$ c. $16\frac{5}{3}$ d. $3\frac{16}{5}$ e. None of these
33. . The average weight of M, N and O is equal to 65kg. The average weight of N and M is equal to 69.5 kg. The average weight of N and O is 66.5 kg. What is the weight of N?
- a. 74 kg b. 75 kg c. 77kg d. 80 kg e. none of these
34. In 1919, W.Rhodes the Yorkshire cricketer scored 891 runs for his country at an average of 34.27. In 1920 he scored 949 runs at an average of 28.75. In 1921, 1329 runs at an average of 42.87 and in 1922, 1101 runs at an average of 36.70. what was his country batting average for the four years?
- a. 36.23 b. 37.81 c. 35.58 d. 28.72 e. None of these
35. Typist A can type a sheet in 6 mins, typist B in 7 mins and typist C in 9 min. the average number of sheets per hour per typist for all three typists is
- a. 265/33 b. 530/63 c. 655/ 93 d. 530/33 e. None of these
36. The average income of a person for the first 6 days is Rs. 29 for the next 6 days it is Rs. 24 for the next 10 days it is Rs. 32 and for the remaining days of the month it is Rs.20. find the average income per day.
- a. 31.64 b. 30.64 c. 29.26 d. cannot be determined e. None of these
37. a salesman gets a bonus according to the following structure. If he sells articles worth Rs. X then he gets a bonus of Rs. $(x/100 - 1)$. In the month of January, his sales value was Rs. 100, in feb it was Rs. 200 from march to November it was Rs. 1200. Apart from this he also receives a basic salary of Rs. 30 per month from his employer. Find his average income per month during the year.
- a. 31.25 b. 30.34 c. 32.5 d. 34.5 e. None of these
- Direction for Question 38 to 39. There are five boxes in a cargo hold. The weight of the first box is 200 kg and the weight of the second box is 20% higher than the weight of the third box, whose weight is 25% higher than the first box's weight. The fourth box at 350 kg is 30% lighter than the fifth box.
38. Find the difference in the average weight of the four heaviest boxes and the four lightest boxes.
- a. 51.5 kg b. 75 kg c. 37.5 kg d. 112.5 kg e. None of these
39. Find the difference in the average weight of the heaviest three and the lightest three
- a. 116.66 kg b. 125 kg c. 150kg d. 112.5 kg e. None of these
40. 19 persons went to a hotel for a combined dinner party. 13 of them spent Rs. 79 each on their dinner and the rest spent Rs. 4 more than the average expenditure of all the 19. What was the total money spent by them?
- a. 1628.4 b. 1534 c. 1492 d. cannot be determined e. None of these
41. The average weight of 47 balls is 4 gm. If the weight of the bag (in which the balls are kept be included, the calculated average weight per ball increases by 0.3 gm. What is the weight of the bag?
- a. 14.8 gm b. 15 gm c. 18.6 gm d. None of these

42. In an exam the average was found to be x marks. After deducting computational error, the average marks of 94 candidates got reduced from 84 to 64. The average thus came down by 18.8 marks. The numbers of candidates who took the exam were.

- a. 100 b. 90 c. 11. D. 105 e. None of these

43. a school has only four classes that contains 10, 20, 30, and 40 students respectively. The pass percentage of these classes are 20 %, 30 % , 60%, and 100% resp. find the pass % of the entire school.

- a. 56% b. 76% c. 34% d. 66% e. None of these

Direction for Question 44 to 47: Read the following and answer the Question the following

During a cricket match, India Playing against NZ scored in the following manner:

Partnership	Runs scored
1 st wicket	112
2 nd wicket	58
3 rd wicket	72
4 th wicket	92
5 th wicket	46
6 th wicket	23

44. Find the average runs scored by the first four batsmen.

- a) 83.5 b) 60.5 c) 66.8 d) cannot be determine

45. The maximum average runs scored by the first five Batsmen could be

- a) 80.6 b) 66.8 c) 76 d) cannot be determine

46. The minimum average runs scored by the last five Batsmen could be

- a) 53.6 b) 44.4 c) 66.8 d) 0

47. If the fifth down batsman gets out for a duck, then find the average runs scored by the first six batsmen.

- a) 67.1 b) 63.3 c) 48.5 d) cannot be determine

48. The weight of a body as calculated by the average of 7 different experiments is 53.735 gm. The average of the first three experiments is 54.005 gm, of the fourth is 0.004 gm greater than the fifth, while the average of the sixth and seventh experiment was 0.010 gm less than the average of the first three .Find the weight of the body obtained by the fourth experiment.

- a) 49.353 gm b) 51.712 gm c) 53.072 gm d) 54.512 gm

49. There are 500 seats in Minerva cinema, Mumbai, placed in similar rows. After the Reconstruction of the hall, the total number of seats becomes 10% less. The number of row was reduced by 5 but each row contained 5 seats more than before .How many rows and how many seats in arrow were there initially in the hall?

- a) 20 rows and 25 seats b) 20 rows and 20 seats c) 10 rows and 50 seats
d) 50 rows and 10 seats

50. One fashion house has to make 810 dresses and another one 900 dresses During the same period of time. In the first house, the order was ready 3 days ahead of time and in the second house, 6 days ahead of time .how many dresses did each fashion house make a day if the second house made 21 dresses more a day than the first ?

- a) 54 and 75 b) 24 and 48 c) 44 and 68 d) 04 and 25

Answers:

1. d 2. C 3. B 4. B 5. A 6. D 7. D 8. D 9. E 10. B 11. c 12. A 13. B 14. d
15. d 16. D 17. B 18. B 19. C 20. C 21. D 22. C 23. C 24. C 25. A 26. D 27. A 28. a
29. d 30. A 31. A 32. A 33. C 34. C 35. B 36. D 37. C 38. B 39. a 40. E 41. d
42. a 43. D 44. D 45. A 46. D 47. D 48. A 49. a 50. a