



AVERAGES

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AGENDA



Concepts

Explanation

Different types of questions asked



Class Exercise

Practice, Practice & Practice



Class Test/Recap

Open Discussion

PROBLEMS



1. Twenty years ago, Arbind age was two times the age of his son. If the present age of Arbind's son is 45, what will be the age of Arbind 10 years from now?
- A. 80 years B. 90 years C. 85 years D. 70 years

PROBLEMS



2. The average weight of a class of 50 students is 50kgs. One student leaves the class and average weight drops by 1. What is the weight of the student who left the class?
- A. 50 B. 49 C. 99 D. 100

PROBLEMS



3. The average age of eight men got increased by 2 years when 2 of them whose ages are 21 years and 23 years are replaced by two new men. The average age of the two new men is:

- A. 22 B. 28 C. 30 D. 34

PROBLEMS



4. A pupil's marks were wrongly entered as 83 instead of 63. Due to that the average marks for the class got increased by half ($\frac{1}{2}$). The number of pupils in the class is:

- A. 10 B. 20 C. 40 D. 73



PROBLEMS

5. Three years ago the average age of a family of 5 members was 17 years. Then a baby was born but the average age of the family is still the same today. What is the present age of the baby?

- A. 2 B. 3 C. 1 D. 4

PROBLEMS



6. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?
- A. 6.25 B. 6.5 C. 6.75 D. 7

PROBLEMS



7. The average weight of Chris, Bryan & Alwyn is 45 kgs. If the average weight of Chris and Bryan is 40 kg and that of Bryan & Alwyn is 43 kgs then Bryans weight is
- A. 17 B. 20 C. 31 D. 36

PROBLEMS



8. The average salary of all the employees in the company is 8000. The average salary of 7 designers is 12000 and the average salary of the rest is 6000. The total number of employees in the company is

- A. 23 B. 22 C. 21 D. 20

PROBLEMS



9. The average monthly salary of 12 workers and 3 managers in a factory was Rs. 600. When one of the managers whose salary was Rs. 720, was replaced with a new manager, the average salary of the team went down to 580. What is the salary of the new manager? **(Cisco-2018)**
- A. Rs 420 B. Rs 690 C. Rs 640 D. Rs 610

PROBLEMS



10. The captain of a cricket team of 11 members is 26 years old and the wicket keeper is 3 years older. If the ages of these two are excluded, the average age of the remaining players is one year less than the average age of the whole team. What is the average age of the team?

A. 23 years

B. 24 years

C. 25 years

D. None of these

PROBLEMS



11. Seven years ago the average age of a family of 2 members was 25 years. A child has been born. due to Which the average age of the family is 23 years today. What is the present age of the child?

A.7 years

B.5 years

C.3 years

D.8 years

PROBLEMS



12. The average temperature for Tuesday, Wednesday and Thursday was 42°C . The average temperature for Wednesday, Thursday and Friday was 44°C . If the temperature on Friday be 43°C , what was the Temperature on Tuesday?

A. 39°C

B. 44°C

C. 37°C

D. 42°C

PROBLEMS



13. The average of 30 numbers is 48. If three numbers namely 45, 55 and 43 are discarded, the average of remaining numbers is?

A.47

B.47.03

C.48.03

D.48

PROBLEMS



14. The average of 7 numbers is 24. If each number be multiplied by 5. Find the average of new set of numbers?

A.110

B.122

C.120

D.125

PROBLEMS



15. The average of 7 results is 45. The average of first three results is 47 and average of last three results is 42. What is the fourth result?

A.48

B.47

C.44

D.46

PROBLEMS



16. The average Weight of 15 students in a class is increased by 3 Kg. when a student who weights 48 Kg. is replaced by a new student. Find the weight of new student?

A.39

B.83

C.88

D.93

PROBLEMS



17. In a class of 25 students in an examination in maths 3 students scored 95 marks each, 3 get zero each and the average of the rest was 45. What is the average of the whole class?

A. 47

B. 45.6

C. 44

D. 48

PROBLEMS



18. A man's average daily expenditure is Rs 12 during March, Rs. 14 during April and Rs. 17 during May. Find the Average daily expenditure for the three months?

A.13.35

B.14.22

C.14.33

D.13.33

PROBLEMS



19. A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs. 6500?

A.4800

B.4991

C.5894

D.5654

PROBLEMS



20. In Madan's opinion, his weight is greater than 65 kg but less than 72 kg. His brother does not agree with Madan and he thinks that Madan's weight is greater than 60 kg but less than 70 kg. His mother's view is that his weight cannot be greater than 68 kg. If all are correct in their estimation, what is the average of different probable weights of Madan?

A.68 kg

B.69 kg

C.67 kg

D.70 kg