Previous Year Topic -wise SSC CGL 2022

Smart Practice Question Series

ASIAN ONLINE

MATHEMATICS

Chapter 6 : Average

Average

SSC CGL
Tier-1

1 Dec Shift-2
11:45 AM - 12:45 PM

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1. The average of the marks of 25 students in a class, in an examination was calculated to be 19. Later, the teacher realized that the marks of two students were taken as 18 and 19 respectively, instead of 14 and 15. Find the new actual average marks of the class.
   A. 17.43
   B. 16.56
   C. 18.68
   D. 17.65

Average

SSC CGL
Tier-1

1 Dec Shift-4
5:15 PM - 6:15 PM

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2. Two-thirds of a certain distance was covered at the speed of 45 km/h, one-fourth at the speed of 60 km/h and the rest at the speed of 75 km/h. Find the average speed per hour for the whole journey. (correct to 2 decimal places)

   A. 51.25 km/h
   B. 45.75 km/h
   C. 58.25 km/h
   D. 49.77 km/h

Average

3. Find the weighted arithmetic mean of the first 'n' natural numbers, the weights being the corresponding numbers.

A. $\dfrac{\{n(n+1)(2n+1)\}}{6}$

B. $\dfrac{\{n(n+1)}{2}$

C. $\dfrac{(2n+1)}{3}$

D. n

Average

SSC CGL
Tier-1

2 Dec, 2022
Shift-4 (5:15 PM -
6:15 PM)

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4. The average weight of 49 students in a class is 39 kg. Seven of them whose average weight is 40 kg leave the class and other seven students whose average weight is 54 kg join the class. What is the new average weight (in kg) of the class?
   A. 41
   B. 39
   C. 42
   D. 40

Average

5. The average marks of 60 students in a class are 62. The average marks of boys and girls in that subject are 60 and 65, respectively. The number of boys in the class is:
    A.   36
    B.   25
    C.   41
    D.   31

Average

6. The average weight of 5 men decreases by 3 kg when one of them weighing 150 kg is replaced by another person. Find the weight of the new person.
   A. 125 kg
   B. 100 kg
   C. 120 kg
   D. 135 kg

Average

7. Sonali applied for a job of Science teacher in a school. In the test for job, she scored 8 in Physics, 8 in Chemistry, 6 in Biology, and 6.5 in the interview. For calculating the final score, eightage of 2, 3, 3, and 4 were assigned to Physics, Chemistry, Biology and interview, respectively. What is the weighted average score of Sonali?

A. 7
B. 8.4
C. 7.2
D. 21

Average

8. The mean proportional of a and b is c. What is the mean proportional of a^2c and $b^2 c$?
   A. C
   B. 3C
   C. C^3
   D. C^2

Average

9. If x is the mean proportional between 12.8 and 64.8, then the value of x is:
   A.   32
   B.   34
   C.   28.8
   D.   26.4

Average

10. The average of eight consecutive odd numbers is 48. Find the sum of the fifth and seventh numbers.

    A.   102

    B.   86

    C.   89

    D.   90

Average

SSC CGL
Tier-1

7 Dec, 2022
Shift-1 (9:00 AM -
10:00 AM)

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11. The mean proportional of 6 and 54 is _____ more than 15.
    A.   3
    B.   6
    C.   4
    D.   5

Average

12. The average weight of 12 persons increases by 3.5 kg when a new person comes in place of one of them weighing 58 kg. The weight of the new person is:
    A. 100 kg
    B. 16 kg
    C. 70 kg
    D. 42 kg

Average

13. The average of the first 7 non-zero multiples of 17 is:
   A. 67
   B. 68
   C. 69
   D. 66

Average

14. Find the mean proportional between 27 and 300.
    A. 90
    B. 45
    C. 135
    D. 180

15. The average weight of apples in a basket is 50 kg. 6 more apples with the average weight of 60 kg are added in the basket. If the average weight of the basket is increased by 5 kg, then find the number of apples in the basket originally.

A.   4
B.   6
C.   2
D.   8

Average

16. The fourth proportional to 16 and 26 and 32 is:
    A.   16
    B.   52
    C.   54
    D.   24

Average

18. A student's marks were wrongly entered as 65 instead of 45. Due to this, the average marks for the class got increased by 1/3. The number of students in the class is:
   A. 40
   B. 20
   C. 60
   D. 30

Average

19. While finding the average marks of a class, Vikas's marks were wrongly entered as 98 in place of 89. Due to this error, the average marks of the class were 0.25 more than the actual average. What is the number of students in the class?
    A. 32
    B. 38
    C. 34
    D. 36

Average

20. In a hotel, there are 120 staff members. Their average weight is 62.5 kg. When one of the staff members leaves the hotel, the average weight is reduced by 250 g. Find the weight of the staff member who left the hotel.
    A. 64.25 kg
    B. 78.75 kg
    C. 90.50 kg
    D. 92.25 kg

MATHEMATICS

Average

Answer key					
1	C	11	A	21	D
2	D	12	A	22	A
3	C	13	B	23	D
4	A	14	A	24	C
5	A	15	B	25	D
6	D	16	B	26	C
7	A	17	D	27	C
8	C	18	C	28	A
9	C	19	D	29	C
10	A	20	D		