Average Questions Overview

Average Questions have a good weightage in the Ssc Chsl Exam and the type of question asked in Ssc Chsl exam is similar to the question mentioned below. It has been solved and explained by KD Live Experts under the guidance of Neetu Mam and they have tried to elaborate the concept used in Average Questions.

Question On Average

The average age of A and B is 36 years. If C were to replace A, the average would be 28 years and if C were to replace B, the average would be 32 years. What will be the sum of the ages of A, B, and C?

Difficulty : Moderate

Average Time : 38 Seconds

Average Questions Options

1. 112 years
2. 107 years
3. 96 years
4. 81 years

Average Questions Solution

The correct answer is **Option 3** i.e. **96 years.**

Average = (Sum of all the observations/Total number of observations)

The average age of A and B = 36 years

Sum of ages of A and B = 2(36) = 72 years

(A + B) = 72 ....(1)

The average age of B and C = 28 years

Sum of ages of B and C = 2(28) = 56 years

(B + C) = 56 ....(2)

The average age of A and C = 32 years

Sum of ages of A and C = 2(32) = 64 years

(A + C) = 64 ....(3)

Adding equations (1), (2), and (3)

(A + B) + (B + C) + (A + C) = (72 + 56 + 64)

2(A + B + C) = 192

(A + B + C) = 192/2

(A + B + C) = 96

The sum of ages of A, B, and C = 96 years

Average Questions Tips and Tricks

1. Try to solve Average Questions without taking any help from the solutions.
2. Average Questions require proper usage of concept so firstly read the question thoroughly and then use the right concept.
3. In case you're not able to solve the question in less than 30 seconds in the exam then you should skip the question and move to the next question.

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About Neetu Mam

Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Average Questions. She has guided her team to provide the best explanation for the question.