

Number Series Questions Overview

Number Series Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Number Series Questions.

Number Series Questions

Direction: Given below are three series I, II, and III. Each of the series has a wrong number. Assuming A, M, and P as the wrong numbers and B, N, and Q as the correct numbers which should replace them in the series I, II, and III respectively, answer the questions that follow. Series I: 14, 39, 183, 325, 471 Series II: 5, 10, 30, 130, 600 Series III: 60, 70, 50, 80, 30

Question

The sum of all wrong numbers is how much less than the sum of all correct numbers?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 2
2. 1
3. 3
4. 5
5. 4

Solution

The correct answer is **Option 1** i.e. **2**.

Series I: 14, 39, 183, 325, 471

$$14 + (1 + 4)^2 = 14 + 25 = 39$$

$$39 + (3 + 9)^2 = 39 + 144 = 183$$

$$183 + (1 + 8 + 3)^2 = 183 + 144 = 327 \text{ (not 325)}$$

$$327 + (3 + 2 + 7)^2 = 327 + 144 = 471$$

Hence, the values of A and B are 325 and 327 respectively

Series II: 5, 10, 30, 130, 600

$$5 + 5 \times 1 = 5 + 5 = 10$$

$$10 + 10 \times 2 = 10 + 20 = 30$$

$$30 + 30 \times 3 = 30 + 90 = 120 \text{ (not 130)}$$

$$120 + 120 \times 4 = 120 + 480 = 600$$

Hence, the values of M and N are 130 and 120 respectively

Series III: 60, 70, 50, 80, 30

$$60 + 10 = 70$$

$$70 - 20 = 50$$

$$50 + 30 = 80$$

$$80 - 40 = 40 \text{ (not 30)}$$

Hence, the values of P and Q are 30 and 40

Now, according to the question:

The sum of all correct numbers(B + N + Q)

$$(327 + 120 + 40) = 487$$

The sum of all wrong numbers(A + M + P)

$$(325 + 130 + 30) = 485$$

$$\text{Difference} = (487 - 485) = 2$$