

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 the wrong number. Assuming A, M, and P are the wrong numbers and B, N, and Q are the correct numbers, which should replace them in the series I, II, and III, respectively, answer the questions that follow. Series I. 11, 22, 44, 77, 122 Series II. 5, 20, 55, 95, 155 Series III. 9, 22, 61, 127, 217

Question

Find the difference between the sum of B, P and, A, Q.

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 0
2. 1
3. -1
4. 2
5. -2

Solution

The correct answer is **Option 1** i.e. **0**.

Series I. 11, 22, 44, 77, 122

$$11 + (11 \times 1) = 11 + 11 = 22$$

$$22 + (11 \times 2) = 22 + 22 = 44$$

$$44 + (11 \times 3) = 44 + 33 = 77$$

$$77 + (11 \times 4) = 77 + 44 = 121 \text{ (not 122)}$$

Hence, the values of A and B are 122 and 121 respectively

Series II. 5, 20, 55, 95, 155

$$5 + (15 \times 1) = 5 + 15 = 20$$

$$20 + (15 \times 2) = 20 + 30 = 50 \text{ (not 55)}$$

$$50 + (15 \times 3) = 50 + 45 = 95$$

$$95 + (15 \times 4) = 95 + 60 = 155$$

Hence, the values of M and N are 55 and 50 respectively

Series III. 9, 22, 61, 127, 217

$$9 + (13 \times 1) = 9 + 13 = 22$$

$$22 + (13 \times 3) = 22 + 39 = 61$$

$$61 + (13 \times 5) = 61 + 65 = 126 \text{ (not 127)}$$

$$126 + (13 \times 7) = 126 + 91 = 217$$

Hence, the values of P and Q are 127 and 126

Now, according to the question

$$\text{The sum of B and P} = (121 + 127) = 248$$

$$\text{The sum of A and Q} = (122 + 126) = 248$$

$$\text{Difference} = 0$$