

## Alphanumeric Series

The series can be of the following topics:

- Numerical Series
- Alphabet Series
- Alphanumeric Series
- Alphanumeric Symbol Sequence series

Let's discuss each of them in detail with some suitable examples:

### 1. Numerical Series

It consists of some set of numbers and you have to perform the operations on it as per the requirement of the question.

Eg: 723    316    451    539    876

**Examples of question format:**

**Directions:** Study the sets of numbers given below and answer the questions based on them.

352 575 669 339 883

Q1. If in each number, the first and the last digits are interchanged, then how many numbers are odd

- 0
- 1
- 2
- 3
- 4

**Ans. d**

After interchanging the first and last digits, the new numbers are 253, 575, 966, 933, 388.

Only three numbers are odd which are - **253, 575, 933**

Q2. If in each number, all the three digits are arranged in ascending order, which of the following will be the biggest number in the new arrangement?

- 669
- 352
- 339
- 575

e. None of these

**Ans. A**

After rearrangement, the new numbers are - 235, 557, 669, 339, 388.

The **biggest number in the new arrangement is 669.**

Q3. If each number is multiplied by 3, then what is the sum of the first digits of the largest and the second largest number?

- a. Zero
- b. 3
- c. 1
- d. 4
- e. None of these

**Ans. D**

After multiplying each number by 3, we get new numbers as 1056, 1725, 2007, 1017, and 2649. So, the required sum is  $2+2=4$

So, these were some examples of Numerical Series. Now let's move to the next series.

## 2. Alphabet Series

It consists of a set of words where you have to apply the operations.

**Eg:** CUT RAT LIN HUT LAN

**Examples of question format:**

**Direction:** Study the following information carefully and answer the questions given below:

GHB LAS MKT BGO SRV

Q1. If the third alphabet in each of the words is changed to the next alphabet in English alphabetical order, how many words thus formed have more than two different consonants?

- a. None
- b. One
- c. Two
- d. Three
- e. Four

**Ans. D.**



After arranging, the words are GHC LAT MKU BGP SRW  
**GHC, BGP, and SRW have more than two different consonants.**

Q2. If in each of the words, all the alphabets are arranged in reverse English alphabetical order within the word, how many words will end with a vowel?

- a. None
- b. One
- c. Two
- d. Three
- e. Four

**Ans. B**

After arranging, the words are HGB SLA TMK OGB VSR  
**Only SLA ends with the vowel.**

Q3. How many letters are there in the English alphabetical series between the second letter of the last word from the left and third letter of the fourth word from the right?

- a. None
- b. One
- c. Two
- d. Three
- e. Four

**Ans. A.**

The second letter of the last word from the left is 'R'.

The third letter of the fourth word from the right is 'S'.

**So between R and S, there is no letter in the English alphabetical series.**

Q4. If the given words are arranged in the order as they would appear in the English dictionary from right to left, which of the following will be third from the right?

- a. GHB
- b. LAS
- c. MKT
- d. BGO
- e. SRV

**Ans. B.**

After arranging, the SRV MKT LAS GHB BGO, **LAS is third from right**

Q5.If in each of the given words, each of the consonants is changed to the next letter and each vowel is left unchanged, in how many words thus formed will there be no vowel?

- a. None
- b. One
- c. Two
- d. Three
- e. Four

Ans. B.

After arranging, the words are HIC MAT NLU CHO TSW.  
**In TSW, there is no vowel.**

Now, we will discuss another type of series.

### 3. Alphanumeric Series

This series will be consisting of alphabets and numbers only.

**Eg:** F 6 H 8 W I 9 Y 4 K 3 L 3 T J E 9 1 0 M 1

**Examples of question format:**

Q1. How many such consonants are there in a sequence which are both immediately preceded by and immediately followed by a number?

- a. 1
- b. 2
- c. 3
- d. 4
- e. 5

**Ans: d**

Letters H, K and M are immediately preceded by or immediately followed by a number.

Q2. After dropping all the numbers, which letter will be second to the left of the fifth letter from the right end?

- a. F
- b. H
- c. Y
- d. W
- e. T

**Ans: c**



After dropping all the numbers, second to the left of the fifth letter from the right end or 7th from the right end is Letter Y.

Now, we will discuss the next type of series:

4. **Alphanumeric Symbol Sequence series:** It will contain alphabets, numbers, and symbols arranged in a sequence and you have to answer questions based on that.

**Eg:** 5 P ) S Y 9 6 # 1 D ? 1 ^ Q % d T % Q ! c 4

**Examples of question format:**

**Directions:** Study the following digit-letter-symbol sequence carefully and answer the questions.

**A ? I 4 > 7 C 6 = U K 8 3 # O 5 Z 1 & E 2 < \***

Q1. How many symbols are preceded by a digit and succeeded by a vowel?

- a. 0
- b. 1
- c. 2
- d. 3
- e. More than 3

Ans. d

A ? I 4 > 7 C 6 = U K 8 3 # O 5 Z 1 & E 2 < \* , **Symbols =, # and & are preceded by a digit and succeeded by a vowel.**

Q2. If all the vowels are replaced with their succeeding letters and all the consonants are replaced with their preceding letters. How many letters appear more than once?

- a. 0
- b. 1
- c. 2
- d. 3
- e. More than 3

Ans. C

The **original sequence** is A ? I 4 > 7 C 6 = U K 8 3 # O 5 Z 1 & E 2 < \*

The **new sequence after replacement** is B ? J 4 > 7 B 6 = V J 8 3 # P 5 Y 1 & F 2 < \*

**So, B and J appear twice.**

Q3. If the first 10 elements are interchanged with the last 10 elements and the order of all of them is reversed then which element will be the 9th element from the left?



- a. =
- b. 6
- c. #
- d. O
- e. 5

**Ans. D**

The **original sequence** is A ? I 4 > 7 C 6 = U K 8 3 # O 5 Z 1 & E 2 < \*

The **new sequence** is \* < 2 E & 1 Z 5 O # K 8 3 U = 6 C 7 > 4 I ? A

**O is 9th from the left.**

Q4. If the digits that come after a vowel are increased by 1 and the digits that come after a consonant are decreased by 1. What will be the total sum of the changed digits?

- a. 24
- b. 25
- c. 26
- d. 27
- e. 28

**Ans. C**

A ? I 4 > 7 C 6 = U K 8 3 # O 5 Z 1 & E 2 < \*

**Digits after the vowel** are 4, 5 and 2. So, new digits are 5, 6 and 3

**Digits after consonant** are 6, 8 and 1. So, new digits are 5, 7 and 0

**Total Sum** = 5+6+3+5+7+0 = 26

So, these were the important types of Series that are asked in the Reasoning section.

Here are some useful tips which you should go through in order to solve the series questions.

- Fasten your calculation so that you can easily solve the series.
- Learn the ranks of alphabets to quickly apply the operations on them.
- Be clear with the use of operations; “to the right/left of”, “in the middle of”, “to the right or left of” and vice versa.
- Practice a lot of questions to master the topic