



LearnFrenzy

QUALITY EDUCATION

REASONING ABILITY

NUMBERS AND LETTERS SERIES

Master the logic behind numerical sequences, alphabetical patterns, and complex alphanumeric series through systematic observation and calculation.

ONE DAY EXAM SERIES

SESSION 2027-2028

EXAM PREP EDITION

LearnFrenzy

Numbers and Letters Series

In this chapter, a series of some digits/numbers or groups of letters is given. This series is based on a certain pattern in which the next term or any missing term has to be found, which is based on the same pattern on which the other terms of the series are based.

The main purpose of series based questions is to test the student's ability to calculate quickly and to check his/her ability to determine the relationship between different letters. Series based questions can be divided into the following categories.

1. Digit/number series
2. Alphabet series
3. Miscellaneous/Mixed Series

Class 1. Rupee, Digit/Number Series (Number System)

In the questions asked in digit/number series, a series of digits is given, in which various mathematical operations are inherent. These operations may include addition, subtraction, multiplication, division, square, square root, cube, cube root etc. One term is missing in the series and the student has to find out which term out of given options. For example-

1. 1, 4, 9, 16, 25, 36

The series represents the squares of consecutive natural numbers.

2. 2, 3, 5, 7, 11, 13, 17, 19

The series shows consecutive prime numbers starting from 2.

To find the missing term in a given series, first we have to identify the rule on which the series is based. The following points can be helpful in identifying that rule-

- If the digits or numbers of the series are increasing at a simple rate, then it is a series based on addition.
- If the digits or numbers of the series are decreasing at a simple rate then it is a series based on subtraction.
- If the numbers in the series are increasing very rapidly, then multiplication is definitely taking place. (or square or any positive power) Apart from this, addition or subtraction can also take place simultaneously.
- If the digits of the series are decreasing rapidly, then division can be done here. Along with this, subtraction can also be done.
- If the series increases rapidly at first and then decreases, then multiplication and division are being done respectively.

- If the value of digits in a series first increases and then decreases, but with a small difference, then the operations of addition and subtraction might be going on alternately. Many types of questions are asked on digit/number series in various competitive examinations. For understanding these questions, we can divide them into the following types.

Type-1: Completing a series

In this type of questions, one term in the series is left blank or represented by a question mark (?) and then we are asked to choose the appropriate option in place of the blank term or the term represented by a question mark.

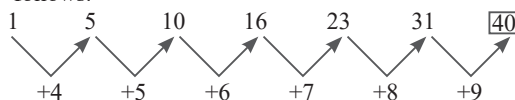
Example:

1. Which number will come in place of question mark (?) in the given digit/number series?

1, 5, 10, 16, 23, 31, ?

- | | |
|--------|--------|
| (1) 50 | (2) 38 |
| (3) 40 | (4) 32 |

Sol. On carefully observing the given number series, it is found that the series is increasing in the order of +4, +5, +6, +7, +8, +9 which can be easily understood as follows.



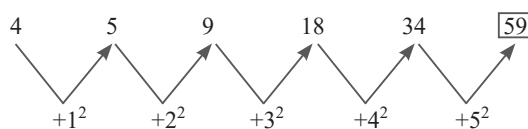
Hence, the appropriate number to come in place of the question mark would be '40'.

2. Which number will come in place of question mark (?) in the following number series?

4, 5, 9, 18, 34, ?

- | | |
|--------|--------|
| (1) 43 | (2) 49 |
| (3) 53 | (4) 59 |

Sol. On carefully observing the given series, we find that the series is formed by adding the squares of natural numbers, which are as follows-



Hence, the appropriate number that will come in place of the question mark will be '59'.

Type-2: Finding the wrong term in a given number series

In such questions, a wrong term is written in place of the correct number at any place in the given digit/number series. We have to find the correct term by finding the pattern given in the series. To solve such questions, first of all we should find the fixed pattern of the series and know which term of the series is not following that rule, this required term is the wrong term.

1. Which term is wrong in the below given series?

2, 4, 8, 3, 10, 27, 4, 16, 64

- (1) 8 (2) 10
(3) 27 (4) None of the above

Sol. On carefully observing the given number series, it is known that the series starts from 2 and progresses in the form of its square and cube, which can be easily understood as follows—

$$\begin{array}{ccccccc} 2 & 4 & 8 & 3 & 10 & 27 & 4 & 16 & 64 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 2^1 & 2^2 & 2^3 & 3^1 & 3^2 & 3^3 & 4^1 & 4^2 & 4^3 \end{array}$$

So 10 is a wrong term, because there should be $3^2 = 9$
So the correct option is (2).

2. Study the following series and find the wrong term and tell what will be the correct term in place of the wrong term?

2, 6, 12, 20, 30, 40, 56

- (1) 40, 42 (2) 30, 36
(3) 56, 55 (4) None of the above

Sol. On observing the given series, it is found that the series is obtained by adding natural numbers and their squares respectively, which can be easily understood as follows—

$$\begin{array}{ccccccc} 2 & 6 & 12 & 20 & 30 & 40 & 56 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 1^2+1 & 2^2+2 & 3^2+3 & 4^2+4 & 5^2+5 & 6^2+6 & 7^2+7 \end{array}$$

Clearly '40' is a wrong term, because there should be $6^2 + 6 = 42$. So option (1) is correct.

Type-3: Finding hierarchy in category based questions

Looking at the changing pattern of various examinations being conducted at present, there is a possibility of asking questions based on categories, which are generally of two types—

1. Arithmetic Progression

The series in which the difference between two consecutive terms is the same is called the 'parallel series'. In any parallel series, the number obtained by subtracting the previous term from a term is called the 'difference'. If the first term of a parallel series is 'a' and the difference is 'd', then the parallel series will be as follows—

$$a, (a + d), (a + 2d), (a + 3d), \dots$$

'n'th term of an arithmetic progression,

$$T_n = a + (n - 1)d$$

Where a = first term and d = common difference

Questions related to arithmetic progression can be understood with the help of given examples.

1. What will be the 10th term of the series 7, 9, 11, 13,?

- (1) 23 (2) 25
(3) 27 (4) 29

Sol. first term $a = 7$

common difference $d = 9 - 7 = 2$

10th term (T_{10}) = ?

$$T_n = a + (n - 1)d$$

$$T_{10} = 7 + (10 - 1)2$$

$$T_{10} = 25$$

2. If the first term of an arithmetic progression is 6, the common difference is 3 and the last term is 81, then find the number of terms and choose the appropriate option.

- (1) 24 (2) 25
(3) 26 (4) 27

Sol. Here, $a = 6$, $d = 3$, $T_n = 81$, $n = ?$

$$T_n = a + (n - 1)d$$

$$81 = 6 + (n - 1)3$$

$$\Rightarrow (n - 1) = \frac{81 - 6}{3} = \frac{75}{3} = 25$$

$$\Rightarrow n = 25 + 1 = 26$$

Hence, no. of terms $n = 26$

2. Geometric Progression

Geometric series is a series in which the ratio of two consecutive terms is the same. This ratio is called the 'common ratio' of the geometric series, it is obtained by dividing a term by its previous term. For example, if the terms of a geometric series are $t_1, t_2, t_3, t_4, \dots, t_n$ respectively, then the common

ratio is $\frac{t_2}{t_1} = \frac{t_3}{t_2} = \frac{t_4}{t_3} = \frac{t_n}{t_{n-1}}$. If the first term of a geometric

series is 'a' and the common ratio is 'r', then the n th term of that geometric series will be $T_n = ar^{n-1}$. Geometric series related questions can be easily understood with the help of given examples.

Example. Which of the following will be the 9th term of the series 2, 4, 8, 16, 32, 64?

- (1) 256 (2) 128
(3) 512 (4) 488

Sol. Here, first term $a = 2$ and

$$\text{common ratio } r = 2 \left(\because \frac{4}{2}, \frac{8}{4} = 2 \right)$$

$$9\text{th term} = 2 \times 2^8 = 2 \times 2^8 = 512$$

Therefore, option (3) will be correct.

Class 2. Alphabet Series

The alphabet series is also called the letter series. In this, mainly a series of letters or groups of letters of the English alphabet is given, in which a question mark (?) is indicated at one place or one or more letters are left. The alphabet series is mainly based on alphabet arrangement. To easily solve questions related to alphabet series, it is very important to remember the serial numbers of the English alphabet such as A = 1, B = 2, C = 3 ... X = 24, Y = 25, and Z = 26.

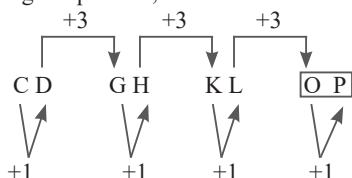
Following are some examples related to letter series—

Directions (Q.No. 1–3): In the following questions, a series is given with one term missing. Complete the series by choosing the correct answer from the given four options.

1. CD, GH, KL, ?

- (1) OP (2) MN
(3) LM (4) PQ

Sol. According to question,

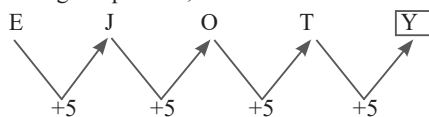


Therefore option (1) is correct.

2. E, J, O, T, ?

- (1) X (2) Y
(3) Z (4) W

Sol. According to question,

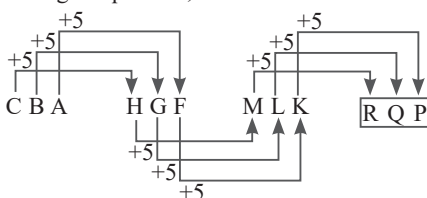


Therefore option (2) is correct.

3. CBA, HGF, MLK, ?

- (1) PQR (2) QRP
(3) RQP (4) None of the above

Sol. According to question,



Therefore option (3) is correct.

Class-3: Miscellaneous/Mixed Series

Under the miscellaneous or mixed series, those types of questions are included which are not included in the number or letter series or the questions are obtained by mixing the questions of number and letter series. The following types of questions are included under the miscellaneous series.

Type-1: Diagram Based Questions

In such questions, numbers or letters are filled in a diagram following a particular rule and the place of one or some numbers is left empty. We have to find the number/letter to be filled in this empty place i.e. the missing term. This type of questions can be easily understood with the help of given examples.

1. What will be the missing number in the given diagram, which is shown by a question mark?

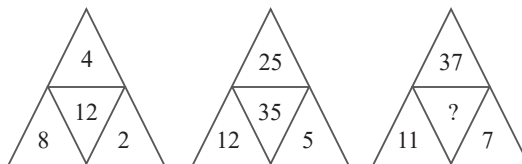
9	7	3
59	55	?
5	6	8

- (1) 24 (2) 28
(3) 35 (4) None of the above

Sol. Since, $9 \times 5 + (9 + 5) = 59$ and $7 \times 6 + (7 + 6) = 55$ then, $3 \times 8 + (3 + 8) = 35$

Therefore, option (3) is correct.

2.



- (1) 32 (2) 40
(3) 57 (4) 28

Sol. $8 \times 2 - 4 = 12$
 $12 \times 5 - 25 = 35$
 $11 \times 7 - 37 = 40$

Therefore option (2) is correct.

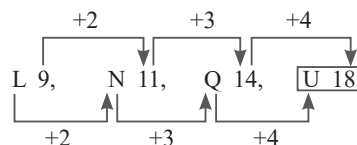
Type 2: Alphabet-digit mixed series

In this type of questions, there is a series of numbers and letters mixed together, in which the missing number is found in place of question mark (?) based on the relation between the letters and numbers. For example—

Example. L 9, N 11, Q 14, ?

- (1) U 18 (2) U 19
(3) S 19 (4) R 18

Sol.



Therefore option (1) is correct.

Type 3: Frequency series of letters/digits

In this type of questions, alphabets or numbers appear repeatedly after a certain sequence and form a series of letters, in which one or two numbers/letters are missing in the middle or at the end, which the candidates have to find out. For example—

Example: 035478035478035478? ?

- (1) 03 (2) 05
(3) 35 (4) 54

Sol. On observing the given series, it is found that '035478' is coming repeatedly. Hence the next two digits will be '03'. Hence option (1) is correct.

Practice Questions

Directions (Q.No. 1–5): Which number will come in place of question mark (?) in the series of numbers given below for each question?

- 2, 5, 11, 20, 32, ?
(1) 44 (2) 47
(3) 49 (4) 50
- 10, 130, 109, 90, 73, 58, ?
(1) 45 (2) 41
(3) 43 (4) 35
- 4, 10, 22, 46, 94, ?
(1) 145 (2) 190
(3) 180 (4) 225
- 5, 7, 9, 13, 15, 22, 23, 34, 33, ?
(1) 36 (2) 39
(3) 45 (4) 49
- 08, 17, 26, 35, ?
(1) 43 (2) 44
(3) 45 (4) 49

Directions (Q.No. 6–10): In each of the following questions, a series of numbers is given, in which one term is wrong, which is indicated in one of the four options given below the series. Find the wrong term in each series.

- 5, 9, 15, 23, 34, 45, 59
(1) 34 (2) 45
(3) 59 (4) 23
- 58, 53, 51, 46, 44, 42, 37, 32
(1) 44 (2) 37
(3) 51 (4) 42
- 99, 88, 75, 64, 51, 40, 28, 16
(1) 64 (2) 51
(3) 28 (4) 16
- 23, 89, 23, 82, 23, 73, 23, 62, 23, 51, 23, 34
(1) 73 (2) 62
(3) 51 (4) 34
- 10.5, 3, 3, 5, 15, 79, 407
(1) 5 (2) 79
(3) 15 (4) 407

Directions (Q.No. 11–15): In each of the following questions, which letter/group of letters will come in place of question mark (?) in the series of letters

- C, F, J, O, U, B, ?
(1) J (2) F
(3) K (4) L

12. V, Q, M, J, H, ?

- (1) E (2) F
(3) G (4) D

13. Y, F, W, H, U, J, S, L, ? ?

- (1) QN (2) QW
(3) QP (4) MN

14. KCD, LEF, MGH, NIJ, ?

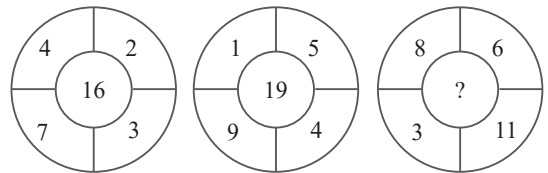
- (1) KOL (2) NIJ
(3) MNO (4) OKL

15. FCGA, HCIA, JCKA, ?, NCOA

- (1) LBMC (2) MCNB
(3) LCMA (4) None of the above

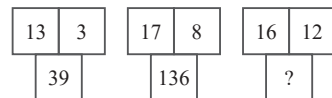
Directions (Q.No. 16–21): Which number/letter will come in place of question mark (?) in the following diagrams

16.



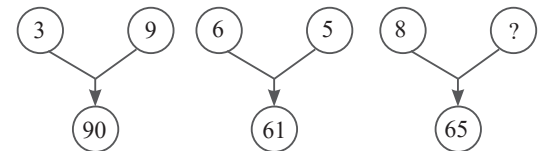
- (1) 28 (2) 29
(3) 30 (4) 23

17.



- (1) 182 (2) 192
(3) 162 (4) 172

18.



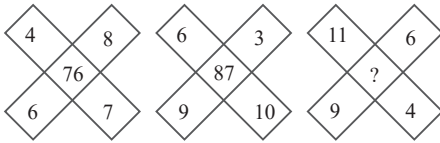
- (1) 0 (2) 1
(3) 7 (4) 3

19.

34	56	45
18	42	30
19	51	?

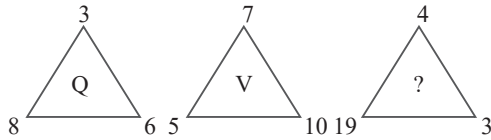
- (1) 36 (2) 32
(3) 30 (4) 35

20.



- (1) 98 (2) 30
(3) 68 (4) 94

21.



- (1) A (2) Z
(3) W (4) 26

22. What will be the 19th term of the series 9, 11, 13, 15,?

- (1) 39 (2) 43
(3) 42 (4) 45

23. What will come in place of question marks in the given series?

3 4 8 0 1 0 0 3 4 8 0 1 0 0 3 4 8 0 1 0 0 3 4 ? ?

- (1) 48 (2) 10
(3) 80 (4) 01

24. Which set of letters will be placed in the gaps in the series given below to complete the series?

a _ a _ ab _ abcd _ b _ deabc _ ef

- (1) cbace (2) bcacd
(3) dcacb (4) acacd

25. What will come in place of question mark in the series given below?

$\frac{H}{D}, \frac{L}{F}, \frac{P}{H}, ?$

- (1) $\frac{T}{J}$ (2) $\frac{U}{I}$
(3) $\frac{S}{J}$ (4) $\frac{T}{K}$

Directions (Q.No. 26–27): Which number will come in place of question mark (?) in the series of numbers given below each question

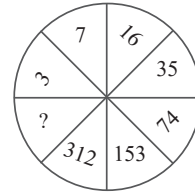
26. 529, 361, 289, 169, 121, ?

- (1) 7 (2) 81
(3) 49 (4) 36

27. $\frac{3}{7}, \frac{6}{11}, \frac{10}{16}, \frac{15}{22}, \frac{21}{29}, ?$

- (1) $\frac{28}{37}$ (2) $\frac{28}{36}$
(3) $\frac{28}{36}$ (4) $\frac{29}{23}$

28. What will come in place of question mark (?) in the figure given below?



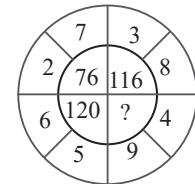
- (1) 525 (2) 631
(3) 676 (4) None of the above

29. What will come in place of question mark (?) in the following series of letters?

XRK, XRK2, XR2K2, X2R2K2, X2R2K3, ?

- (1) X3R2K3 (2) X2R3K4
(3) X3R4K4 (4) X2R3K3

30. What will come in place of question mark in the given pie chart?



- (1) 174 (2) 169
(3) 164 (4) 182

Directions (Q.No. 31–32): Which letters will come in place of question mark in the letter series given below?

31. Z, S, W, O, T, K, Q, G, ?, ?

- (1) CN (2) NC
(3) DM (4) ND

32. E, R, G, Q, K, N, Q, I, ?, ?

- (1) BX (2) YB
(3) CY (4) AY

33. What will come in place of question mark (?) in the series given below?

XVI, P, XIV, R, XII, T, X, V, ?, ?

- (1) XII, W (2) IX, X
(3) VII, Y (4) VIII, X

34. Consider the matrix given below.

3	8	10	2	?	1
6	56	90	2	20	0

What will be the missing number in the box with question mark (?) in the matrix?

- (1) 5 (2) 0
(3) 7 (4) 3

35. What is the missing number 'X' in the series 7, X, 21, 31, 43?

- (1) 11 (2) 12
(3) 13 (4) 14

36. Consider the table given below, in which the numbers have a special relationship with each other along the rows—

29	13	18
33	X	19
30	27	3

Which one of the following numbers is the missing number indicated by 'X' above?

- (1) 19 (2) 15
(3) 14 (4) 8
37. Examine the following three figures, in which the numbers are in a particular pattern—

84		
14	12	

81		
18	9	

88		
?	11	

What is the missing number (?) in the third figure above?

- (1) 7 (2) 16
(3) 21 (4) 28
38. Consider the following matrix.

3	370	7
2	224	6
1	730	X

Which number will come in place of 'X' in the above matrix?

- (1) 5 (2) 8
(3) 9 (4) 11
39. Consider the figures given below.

2	6
80	24

3	?
120	36

What is the missing number?

- (1) 7 (2) 8
(3) 9 (4) 10
40. Which letter will come next in the following series?
J, G, B, Y, T, Q, L, I, ?

- (1) E (2) D
(3) F (4) G
41. In the series given below, some letters are missing, which can be completed by one of the options given below. Complete the series by choosing the appropriate option.
a_bbaa_baa_baab_aab

- (1) abab (2) baab
(3) baba (4) abbb
42. What will be the 63rd term of the series 7, 10, 13, 16,.....?

- (1) 65536 (2) 64532
(3) 16384 (4) None of the above

44. If the first term of an arithmetic progression is '3', the common difference is 4, and the last term is 83, then what will be the number of terms in the progression?

- (1) 18 (2) 21
(3) 23 (4) 24
45. Which option will replace the question mark (?) in the series given below?

148	377	546	775	944	?
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- (1) 973 (2) 1073
(3) 1173 (4) 1103
46. Which of the following numbers will come in place of question mark in the series given below?

7384	9191	4743	2383	5216	?
------	------	------	------	------	---

- (1) 7212 (2) 7486
(3) 1462 (4) 10342
47. What will come in place of question mark in the given series?

K₹24@\$H1K₹24@\$H1K₹24@\$H1K₹ ???

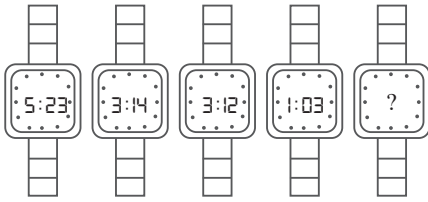
- (1) @24 (2) 24@
(3) 4@H (4) \$4K
48. Which number will come in place of question mark (?) in the given figure?

6	11	174
4	9	110
7	13	?

- (1) 196 (2) 235
(3) 225 (4) 238
49. Which number will come in place of question mark (?) in the given figure?

	?		
7		13	
15		5	
11	2	20	9

- (1) 3 (2) 5
(3) 4 (4) 8
50. The time in the clocks given below is given in a certain style, observe the series and tell which of the following time will appear in place of the question mark?



- (1) 2:03 (2) 1:01
(3) 1:17 (4) 1:09

51. The production number in a company is increasing month by month, as shown below. What will be the production number in the month of July, if the production is increasing in a certain order?

Month	Jan	Feb	Mar	April	May	June	July
Production	11	18	32	53	81	116	?

- (1) 132 (2) 152
(3) 158 (4) 166

52. The rate of carbon released into the environment by an industrial town every year is given in tonnes. What will be the amount of carbon released in the year 2016, if the rate is increasing in a certain order every year?

Year	2010	2011	2012	2013	2014	2015	2016
Rate of Carbon Emission (Per ton)	5	21	69	213	645	1941	?

- (1) 3888 (2) 5829
(3) 3882 (4) 6440

53. Choose the appropriate option in place of question mark (?) to complete the series.

DELHI, BHOPAL, LUCKNOW, GUWAHATI, SHRINAGAR, ?

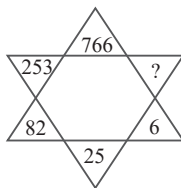
- (1) JAIPUR (2) KASHMIR
(3) BIHAR (4) CHANDIGARH

54. What will come in place of question marks (?) in the given diagram?

D	M	185	14
G	S	410	5
N	P	452	11
?	F	180	?

- (1) K, 13 (2) 12, M
(3) L, 18 (4) L, 9

55. What will come in place of question mark in the given diagram?



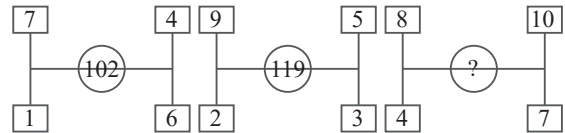
- (1) 2298 (2) 2305
(3) 2398 (4) 2105

56. What will come in place of question mark in the given diagram?

W ₃	S ₄	O ₁₄
R ₇	N ₁	?
Z ₄	V ₅	R ₁₈

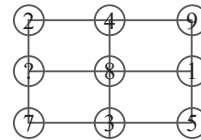
- (1) K₁₅ (2) M₁₃
(3) Q₈ (4) J₁₆

57. Which number will come in place of question mark (?) in the figures given below?



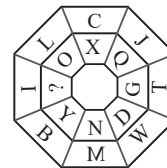
- (1) 229 (2) 225
(3) 256 (4) 289

58. Which number will come in place of question mark in the given figure?



- (1) 6 (2) 5
(3) 7 (4) 4

59. Which letter will come in place of question mark in the given figure?



- (1) N (2) Z
(3) R (4) U

60. In the picture given below, the letters of the English alphabet are arranged in a certain order. Based on the same pattern, which of the options given in the shaded part is the correct option?

C	R	O	W	N	C	R	O	W	N
F	A	D	Y	H	F	A	D	Y	H
L	K	N	Z	A	L	K	N	Z	A
U	V	G	I			V	G	I	T
X	Q	P				P	B	M	
C	R	O				O	W	N	
F	A	D	Y			A	D	Y	H
L	K	N	Z	A	L	K	N	Z	A
U	V	G	I	T	U	V	G	I	T
X	Q	P	B	M	X	Q	P	B	M

(1)

	N	Z	
V	G	I	T
Q	P	B	M
	H	F	

(2)

	O	W	
A	D	Y	H
K	N	Z	A
	H	A	

(3)

	T	U	
B	M	X	Q
W	N	C	R
	H	F	

(4)

	U	T	
B	M	X	R
W	N	C	Q
	F	H	

61. Select the number that will replace the question mark (?) in the following series.

17, 21, 30, 46, 71, ?

- (1) 10 (2) 107
(3) 93 (4) 105 **SSC CGL, 2019**

62. Select the letter-group that will replace the question mark (?) in the following series.

BRH, ZUD, ?, VAN, TDR, RGN

- (1) XYZ (2) XZZ
(3) XXZ (4) XZY **SSC CGL, 2019**

63. Which of the following number will replace the question mark (?)?

3, 7, 16, 35, ?, 153

- (1) 84 (2) 74
(3) 78 (4) 63
(3) 93 (4) 105 **SSC CGL, 2018**

64. Which of the following numbers will come in place of question mark (?)?

2, 5, 11, 23, 44, ?

- (1) 77 (2) 51
(3) 63 (4) 66 **SSC CGL, 2018**

65. A sequence is given, in which one term is missing. Choose the correct option from the given options which will complete the sequence.

BCF, CDG, DEH, ?

- (1) EFI
(2) EFG
(3) DFI
(4) EGI **SSC CGL, 2017**

66. Find the missing digits from the options given in the following question.

2, 5, 12, 27, ?

- (1) 53 (2) 56
(3) 57 (4) 58 **SSC CGL, 2017**

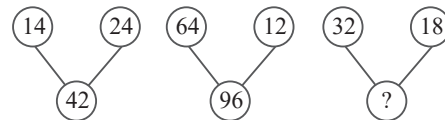
Directions (Q.No. 67-69): In the following questions, a sequence is given in which one number is missing. Complete the sequence by choosing the correct answer from the given options. **SSC CGL, 2016**

67.

86	480	38
72	510	21
36	?	12

- (1) 420 (2) 432
(3) 234 (4) 240

68. Find the missing number from the given options:



- (1) 60 (2) 58
(3) 65 (4) 72

69. 5, 10, 13, 26, 29, 58, 61, ?

- (1) 122 (2) 125
(3) 128 (4) 64

70. Which number will come in place of question mark (4) in the following series?

112, ?, 83, 70, 58, 47, 37

- (1) 97 (2) 100
(3) 104 (4) 94 **SSC CPO, 2018**

71. What will come next in the following series?

1, 4, 4, 16, 64, _____

- (1) 216 (2) 1024
(3) 128 (4) 1026 **SSC CPO, 2018**

72. What will come next in the following series?

3, 7, 16, 32, 57, _____

- (1) 85 (2) 80
(3) 98 (4) 93 **SSC CPO, 2018**

73. Which of the following words will come next in the series?

BDZ, DGX, FJV, HMT, JPR, _____

- (1) MSP (2) ZSP
(3) LSP (4) ZSO **SSC CPO, 2018**

74. Complete the following series?

7, 16, 34, 70, _____, _____

- (1) 142, 286 (2) 144, 286
(3) 142, 294 (4) 144, 292

SSC CHSL, 2019

75. Find the missing numbers from the given alternatives in the following question.

5, 8, 20, 34, 76, 142, ?

- (1) 284 (2) 302
(3) 296 (4) 272

SSC CHSL, 2018

76. Select the combination of letters that when sequentially placed in the blank spaces of the given series will complete the series.

q p _ r _ r q _ p _ r p _ q _ p r _ p _ q

- (1) r p q r r p r q
(2) r p q r r q r r
(3) r p q q r q r p
(4) r p q r r q r p **SSC CGL, 2024**

77. Which of the following terms will replace the question mark (?) in the given series?

GASM, CCOO, YEKQ, ?, QICU

- (1) UGGS (2) UCGS
(3) UGGT (4) TGFS **SSC CGL, 2024**

78. Which of the following numbers will replace the question mark (?) in the given series?

17, 38, 84, ?, 376, 772

- (1) 190 (2) 200
(3) 180 (4) 150 **SSC CGL, 2024**

79. Which of the following terms will replace the question mark (?) in the given series?

DBOI, FEQL, ?, JKUR, LNWU

- (1) HISP (2) IHSP
(3) HHSO (4) HISO **SSC CGL, 2024**

80. Select the number from the given options which can replace the question mark (?) in the given series?

3, 20, 121, 604, 2417, ?

- (1) 7275 (2) 7250
(2) 7200 (4) 7300 **SSC CGL, 2024**

81. Select the combination of letters which when placed sequentially in the gaps in the given series will logically complete the series.

_ C _ W _ _ _ C _ W _ _

- (1) WCCWWWCC (2) WWCWWWCW
(3) CWCWWCCW (4) CCWWCCWC
SSC CGL, 2024

82. Select the combination of letters which when placed sequentially in the gaps in the given series will logically complete the series.

BYN_J_YNF_X_NFJVY_FJ

- (1) FZJYN (2) FNJYV
(3) FZYVJ (4) FJZNY
SSC CGL, 2024

83. Which number will come in place of question mark (?) in the given series?

12, 25, 49, ?, 197, 395

- (1) 100 (2) 121
(3) 99 (4) 96 **SSC CGL, 2024**

84. Select the option that represents the letters, which when placed sequentially in the blank spaces given below from left to right, will complete the letter series.

R F _ G T R _ V G _ R F V _ T _ F V G T

- (1) VFTGR (2) VFTGG
(3) VTTGR (4) VFVGR

SSC CGL, 2024

85. What should come in place of (?) Question mark to complete the following letter-cluster series?

UME, OPG, ISJ, EVN, ?

- (1) AYS (2) AXS
(3) AYR (4) BYS **SSC CHSL, 2024**

86. Which number will come in place of question mark (?) in the given series?

7 13 39 46 138 146 438 447 ?

- (1) 1341 (2) 1138
(3) 1146 (4) 1247 **SSC CHSL, 2024**

87. What should come in place of question mark (?) in the given series?

58, 73, 90, 109, ?

- (1) 310 (2) 103
(3) 130 (4) 301 **SSC CHSL, 2024**

88. Which number will come in place of question mark (?) in the given series?

[375], [325], [275], [225], [175], ? [375], [325], [275], [225], [175], ?

- (1) [165] [165] (2) [125]
(3) [95] [95] (4) [145] **SSC CHSL, 2024**

89. What should come in place of question mark (?) in the following series based on the order of English alphabet?

ACW, FHB, KMG, PRL, ?

- (1) VQW (2) UWQ
(3) UQW (4) VWQ **SSC CHSL, 2024**

90. What should come in place of question mark (?) in the given series?

CEG, FHJ, IKM, LNP, ?

- (1) OQR (2) QRS
(3) QTV (4) OQS **SSC CHSL, 2024**

91. What should come in place of question mark (?) in the given series?

RPM, USP, XVS, AYW, ?

- (1) BYD (2) BDY
(3) DBY (4) DYB **SSC CHSL, 2024**

92. What number will come in place of question mark (?) in the given series?

112 113 122 147 196 ?

- (1) 277 (2) 294
(3) 253 (4) 282 **SSC CHSL, 2024**

93. What will come in place of question mark (?) in the given series?

3, 7, 15, 31, 63, ?

- (1) 127 (2) 126
(3) 125 (4) 128 **SSC CHSL, 2024**

94. Select the combination of letters that when sequentially placed in the blanks of the given series will logically complete the series.

A _ A _ C A B _ B _ A _ _ B C A B A _ C

- (1) BABACBA (2) BBABBCB
(3) BBACABB (4) BBACBAB

SSC CHSL, 2024

95. What should come in place of question mark (?) in the given series?

40, ?, 18, 10, 4, 0

- (1) 30 (2) 28
(3) 25 (4) 22

SSC CHSL, 2024

96. What should come in place of ? in the following series based on English alphabetical order?

FNV LUE ? XIW DPF

- (1) RBN (2) HRY
(3) GQZ (4) UWZ

SSC CHSL, 2024

97. What should come in place of question mark (?) in the following series?

129, 128, 124, 115, 99, ?

- (1) 74 (2) 72
(3) 71 (4) 73

SSC CHSL, 2024

98. Which of the following numbers will come in place of question mark (?) in the following series?

54 58.7 64.4 71.1 78.8 ?

- (1) 85.1 (2) 84.4
(3) 86.8 (4) 87.5

SSC CHSL, 2024

99. What should come in place of question mark (?) in the given series?

162, 167, 172, 177, 182, ?

- (1) 187 (2) 185
(3) 188 (4) 186

SSC CHSL, 2024

100. Select the combination of letters which when sequentially placed in the blank spaces of the given series will complete the series.

KJ_HIJKI_JM_EJ_K

- (1) IGJO (2) GIJO
(3) KJOM (4) IMKR

SSC CHSL, 2024

101. What will come in place of ? in the given series based on English alphabetical. What will come in order?

ZRJ EUK JXL? TDN

- (1) OAM (2) WNE
(3) HST (4) QHR

SSC CHSL, 2024

102. Which of the following numbers will come in place of (?) question mark in the given series?

119 171 223 275 327 ?

- (1) 379 (2) 357
(3) 386 (4) 369

SSC CHSL, 2024

103. What should come in place of ? in the given series?

LDP, GHO, BLN, WPM, ?

- (1) QSM (2) QSN
(3) RSN (4) RTL

SSC CHSL, 2024

104. What should come in place of ? in the given series?

- (1) YAM (2) VMO
(3) HGO (4) UYM

SSC CHSL, 2024

105. What should come in place of ? in the given series?

4 13 ? 58 94 139 193

- (1) 26 (2) 36
(3) 31 (4) 27

SSC CHSL, 2024

Answer Key

1. (2)	2. (1)	3. (2)	4. (4)	5. (2)	6. (1)	7. (4)	8. (3)	9. (3)	10. (2)
11. (1)	12. (3)	13. (1)	14. (4)	15. (3)	16. (1)	17. (2)	18. (2)	19. (4)	20. (1)
21. (2)	22. (4)	23. (3)	24. (2)	25. (1)	26. (3)	27. (1)	28. (2)	29. (4)	30. (3)
31. (2)	32. (2)	33. (4)	34. (1)	35. (3)	36. (4)	37. (2)	38. (3)	39. (3)	40. (2)
41. (4)	42. (1)	43. (1)	44. (2)	45. (3)	46. (1)	47. (2)	48. (4)	49. (3)	50. (2)
51. (3)	52. (2)	53. (4)	54. (4)	55. (2)	56. (4)	57. (1)	58. (1)	59. (3)	60. (3)
61. (2)	62. (3)	63. (2)	64. (1)	65. (1)	66. (4)	67. (4)	68. (4)	69. (1)	70. (1)
71. (2)	72. (4)	73. (3)	74. (1)	75. (3)	76. (2)	77. (1)	78. (3)	79. (3)	80. (2)
81. (2)	82. (1)	83. (3)	84. (1)	85. (1)	86. (1)	87. (3)	88. (2)	89. (2)	90. (4)
91. (3)	92. (1)	93. (1)	94. (4)	95. (2)	96. (1)	97. (1)	98. (4)	99. (1)	100. (1)
101. (1)	102. (1)	103. (4)	104. (4)	105. (3)					