

Logical Aptitude Quiz 005 (Number Series)

Number Series

- While trying to solve number series, the first thing we need to do is to ask ourselves if the **sequence** looks as if it is growing **slowly** (2, 4, 6, 8, 10), **quickly** (2, 9, 28, 65, 126), or **in between** (2, 5, 10, 17, 26, 37, 50).
- If the sequence seems to be **growing quickly**, compare it to other quick-growing sequences like the sequences of **cubes or fourth powers**, or maybe factorials. If it is **growing in between**, compare it to the sequence of **squares**.
- If it is **growing slowly**, or if you can not tell, move to **trial and error method** (difference, multiples etc.)
- Always try to see whether the series is an outcome of addition, subtraction, multiplication or division of the first term by a particular number.
- If you are not able to find any sequence, see whether the number series is formed by adding/subtracting the Squares or Cubes or any other higher powers of the number. This should generally give you a clear idea of what the series will become.
- There is a fair bit of chance that sometimes two or more series will be **mixed** to form a new series. For example, in the series 2, 1, 4, 8, 6, 27, 8, 64, 10, we can not find a logical connection between the two consecutive terms of the series. However, on a closer look, this appears like a combination of the two series 2, 4, 6, 8, 10 and $1^3, 2^3, 3^3, 4^3$ and hence by segregating the two sequences we can find the next term.

1. 2, 6, 14, 11, 15, 23, 24, _____, 29

- A) 31
- B) 29
- C) 28
- D) 32

2. 97, 86, 73, _____, 45, 34

- A) 54
- B) 56
- C) 58
- D) 60

3. MOQ, SUM, YAC, _____

- A) FIL
- B) DHL
- C) EGI
- D) XAD

4. KWZ, MOX, OIV, QET, _____

- A) SAQ
- B) SCR

- C) RAP
- D) None of these

5. AOP, CQR, EST, GUV, _____

- A) IYZ
- B) HWX
- C) IWX
- D) JWX

6. 6, 11, 21, 36, 56, ?

- A) 66
- B) 76
- C) 81
- D) 86

7. D, H, L, R, ?

- A) T
- B) X
- C) I
- D) O

8. 3, 7, 15, 31, 63, ?

- A) 92
- B) 115
- C) 127
- D) 131

9. 31, 32, 36, 45, ?

- A) 55
- B) 56
- C) 62
- D) 61

10. 1, 3, 2, 5, 3, 7, 4, 9, 5, 11, 6, ?

- A) 10
- B) 11
- C) 13

D) 9

Answer Keys

Question	Answer
1	D
2	C
3	C
4	B
5	C

Question	Answer
6	C
7	B
8	C
9	D
10	C