Number Series Reasoning Notes for Coaching Classes, Questions and Answers, Quiz for Online test practice and PDF in Hindi for Download.

Two type of Questions are asked in competitive exams

- Find the missing number
- Spot the wrong number

Difference of Numbers are equal /संख्याओं का अंतर बराबर है

Ex: **1, 4, 7, 10, 13, 16, 19, 22, ?**

Solution : Addition of 3, therefore, 22+3 =25

Difference of Difference of Numbers are equal / संख्याओं के अंतर के अंतर समान हैं

Ex: **3, 10, 20, 33, 49, 68, ?**

3	10	20	33	49	68	? (68+22=90)
	7	10	13	16	19	19+3=22
	3	3	3	3	3	

Difference of Difference of Difference of Numbers are equal

Ex: **3, 8, 18, 35, ?, 98**

3	8	18	35	? (35+26=61)	61+37=98
	5	10	17	17+9=26	26+11=37
		5	7	9	11
			2	2	2

Two Series / दो श्रृंखला

Ex: **4, 28, 6, 26, 8, 24, 10, 22, 12, ?**

Two different series 4,6,8,10,12.... and 28,26,24,22,20... **Answer is 20**

Three Series / तीन श्रृंखला

Ex: **0, 4, 6, 3, 7, 9, 6, ?, 12**

Three different series with addition of 3
0,3,6,9, ...
4,7,10,13...
6,9,12,15...
Answer is 10

Prime Number Series / अभाज्य संख्या श्रृंखला

Ex: **2, 3, 5, 7, 11, 13, 17, 19, 23, ?**

Series of Prime numbers and next is **23**

Mathematical Operations

Ex: **3, 4, 10, 33, ?**

3x1+1 =4, 4x2+2=10, 10x3+3=33, 33x4+4=136

Square of Numbers / संख्याओं का वर्ग

Ex: **1, 4, 9, 16, 25, 36,49, ?**

Square of 1,2,3,4,5,6,7,8.. Next is **64**

Square ± 1,2,3,

[x^2±1,2,3,4,5], [$(x+1)^2$±1,2,3,4,5], [$(x+2)^2$±1,2,3,4,5]……..

Example : 3, 6, 11, 18, 27, ?

1^2+2, 2^2+2, 3^2+2, 4^2+2, 5^2+2, 6^2+2, **= 38**

(x^2+x), [$(x+1)^2$±(x+1)], [$(x+2)^2$±(x+2)]……

Example : **1, 6, 12, 20, 30, 42, ?**

1^2+1, 2^2+2, 3^2+3, 4^2+4, 5^2+5, 6^2+6, ***7^2+7= 56,***

Cube ± 1,2,3

Just like square questions bases on cube may be asked.

Ex: **336, 210, 120, 60, 24, ?, 0**

7^3-7, 6^3-6, 5^3-5, 4^3-4, 3^3-3, 2^3-2, 1^3-1, **Answer is 6**

Ex: **2, 3, 10, 29, 66, ?**

0^3+2, 1^3+2, 2^3+2, 3^3+2, 4^3+2, **5^3+2, = 127**

Miscellaneous Questions / व वध प्रश्न

Ex : 181, 191, 202, 206, 214, ?

181+(1+8+1) =191, 191+(1+9+1)=202, 202+(2+0+2)=206, 206+(2+0+6)=214, **214+(2+1+4) = 221**

Ex: 6, 15, 35, 77, 143, 221, ?

Multiple of prime numbers

2x3, 3x5, 5x7, 7x11, 11x13, **13x17 = 221**

Ex: 9, 27, 31, 155, 161, 1127, ?

9x3=27, 27+4=31, 31x5=155, 155+6=161, 161x7=1127, **1127+8=1135**

Number Series Questions Quiz

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Reasoning Mock Test