

Contest: Long-Range Reasoning Gradient (LARGE)

January 1, 2024 – December 31, 2024 11:59pm ET

Participants: 9

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Table of Contents

Topic	Page
Contest Information	3
Long-Range Reasoning Gradient (LARGE).....	3
Final Scoreboard (December 31, 2024).....	6

Contest Information

Cheating: Do not discuss answers/hints. *No time limit. Two attempts and reference aids* are allowed. *No penalty* for guesses/wrong answers.

Long-Range Reasoning Gradient (LARGE)

Attempt all 5 sections. The Psi section will be scored separately from the IQ section. IQ section: raw score out of 32. Psi section: raw score out of 8.

I. Logical

1. Complete the series:

* ?

2. Complete the series:

***# ##### ***# ? ***#

3. Find the missing element in this matrix:

=	?

4. Find the missing element in this matrix:

}-	{	\+ /
{}	-	?

5. Complete the analogy:

: ## :: ! : ?

6. Complete the analogy:

: ** :: ##### : ?

7. Select the letter (A, B, or C) of the item that is different from the others:

####	****	*##*
A	B	C

8. Problem Solving:

For this item, only focus on the following 7 questions. Write the answers for 1-7 on one line, left to right, in this format: F KII JIL.

Hint: after reading the answer sequence, try to get a good night's rest if possible.

1. First question with A as the answer is question

- A 1
- B 2
- C 3
- D 4
- E 5

2. Only 2 questions with B as the answer are

- A 1 and 3
- B 2 and 5
- C 3 and 5
- D 4 and 7
- E 5 and 7

3. Only 2 questions with A as the answer are

- A 1 and 3
- B 2 and 4
- C 3 and 5
- D 4 and 6
- E 5 and 7

4. First question with D as the answer is question

- A 1 B 2 C 3 D 4 E 5

5. Number of questions with answers that are either A or E

- A 2
- B 3
- C 4
- D 5
- E 6

6. Only question with E as the answer is

- A 2
- B 3
- C 4
- D 5
- E 6

7. Number of questions with answers that are either B, C, or D

- A 1
- B 2
- C 3
- D 4
- E 5

II. Verbal

9. Complete the series:

? Deductive Inductive

10. Complete the series:

? Diamond Heart Spade

11. Find the missing element in this matrix:

Arm Hand

Leg ? _ _ o _

12. Find the missing element in this matrix:

Young Short

Old ? _ _ l _

13. Complete the analogy:

a : Z :: b : ?

14. Complete the analogy:

ABCDEFGH... : H :: ...TUVWXYZ : ?

15. Select the word that is different from the others:

dead, smile, funeral, burial

16. Problem Solving:

For the word Addition, replace 1 letter for a sample performance by a singer; keep letters in order after replacement: _ _ _ _ _

III. Numerical

17. Complete the series:

12C 23E 34G 45I 56K 67M 78O ?

18. Complete the series:

A 2 D 8 P ?

19. Find the missing element in this matrix; no mathematical operation is needed:

A 1 B 2

C 3 ? 4

E 5 F 6

G 7 H 8

20. Find the missing element in this matrix; no mathematical operation is needed:

4 ? 6

4 5 6

4 5 6

21. Complete the analogy:

98317 : 73819 :: 58921 : ? (no calculations)

22. Complete the analogy:

2346890922 : 2290986432 :: 378302039 : ? (no calculations)

23. Select the number that is different from the others:

12505, 21606, 34307, 51208, 72909, 83810

Final Scoreboard (December 31, 2024)

Ranking	Name	Country	1 st Attempt (IQ+Psi)	2 nd Attempt (IQ+Psi)	Total Mean Score	Prize
Winners	Susumu Ota	Japan	36 (31+5)	38 (32+6)	37 (31.5+5.5)	Three free test submissions and two free society memberships until February 20, 2025.
	Victor Balacescu	Romania	37 (31+6)	N/A	37 (31+6)	
	Motoki Semura	Japan	37 (32+5)	N/A	37 (32+5)	
2nd Place	Nobuo Yamashita	Japan	36 (31+5)	N/A	36 (31+5)	Two free test submissions and one free society membership until February 10, 2025.
3rd Place	Lukáš Puškáš	Slovakia	32 (31+1)	38 (31+7)	35 (31+4)	Free test submission and ½-off society membership until January 31, 2025.
4th Place	Göran Åhlander	Sweden	34 (30+4)	N/A	34 (30+4)	½-off test submission and ½-off society membership until January 20, 2025.
	Jim Lorrimore	England	31 (30+1)	37 (32+5)	34 (31+3)	
5th Place	Tonny Sellén	Sweden	32 (28+4)	N/A	32 (28+4)	½-off test submission until January 10, 2025.
6th Place	Hidden	Hidden	26 (24+2)	29 (25+4)	27.5 (24.5+3)	Secret Prize: given to all participants