

Contest: Collected Items Of Numerical Instruments (CIONI)

July 1, 2021 – September 21, 2021 11:59pm ET

Participants: 7

Test Designer: [James Dorsey](#)

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Contest Information

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

Collected Items Of Numerical Instruments (CIONI)

Only requires Addition, Subtraction, Multiplication, Division, and pattern recognition

Examples (**answers in bold**): 10, 20, 30, 40, 50, ? **60** 12345?? **67**

1. 1357911, 24147, ?, 108, 90
2. 97531, ?, 34
3. 12359, 4211, 236, ?, 4
4. 135689, ?, 373221
5. 24578, 16285, ?, 1032, 20
6. 64813125, 3227625, ?, 8325, 415
7. 12132215231724332?
8. 1234132456785768910190111121????=212383056354890??????
9. 3, 4, 6, 9, 13, 18, ?
10. 121110, ?, 1074, 951
11. 34167, 21241, 242, 44, ?, 6
12. I, 3, C, ?, 4, B, F, 1, F
13. 9, 10, 11, 12, 13, 8, 21, 22, 23, 14, 7, ?, 25, 24, 15, 6, 19, 18, 17, 16, 5, 4, 3, 2, 1
14. A, 2B2, C3C3C, ?, E5E5E5E5E
15. 1*B*3*D*5*?
16. P0Z5T8I3A?, 9O2S7B1E4G

Final Scoreboard (September 21, 2021)

Ranking	Name	Country	1 st Attempt	2 nd Attempt	Mean Score	Prize
Winners	Jim Lorrimore Susumu Ota Tiberiu Sammak	England Japan Romania	16 (perfect score)	N/A	16	Free test submission and free society membership until October 31, 2021.
2nd Place	Nobuo Yamashita	Japan	15	N/A	15	Free test submission until October 15, 2021.
3rd Place	Mohammed Benazzi	Spain	15	14	14.5	½-off test submission until September 30, 2021.
4th Place	Hidden	Hidden	13	13	13	Secret Prize: given to all participants
5th Place	Hidden	Hidden	8	N/A	8	