

Contest: Standard Intellectual Measurement (STADIUM)

January 1, 2021 – December 31, 2021 11:59pm ET

Participants: 10

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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.

Standard Intellectual Measurement (STADIUM)

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, C, D, or E) of the item that is different from the others:

##* : *## *## : ##* ##* : *## *## : ##* *## : ##*
 A B C D E

8. Problem Solving:

For a weekend project, Hank designed a system to control 4 computer monitors sitting on a desk with a keyboard; 4 keys are used:

Esc key controls the power of monitors 1 and 2

Tab key controls the power of monitors 2 and 4

Alt key controls the power of monitors 1 and 3

Del key controls the power of monitors 3 and 4

In this order: Del, Tab, Alt, and Esc were pressed on the main keyboard to change the initial state of the monitors to the final state:

Initial state				Final state				
monitor:	1	2	3	4	1	2	3	4
display:	on	on	on	on	on	off	on	off

After looking at the final state of the monitors, he noticed that one of the keys is not working. Which key is not working?

II. Verbal

9. Complete the series:

Ethos Logos ?

10. Complete the series:

? Decay Sustain Release

11. Find the missing element in this matrix:

Dark	Light
Moon	? ___

12. Find the missing element in this matrix:

Elbow	Wrist
Knee	? _ _ _ _ _

13. Complete the analogy:

1 : A :: 26 : ? _

14. Complete the analogy:

ABCDEFGH... : I :: ...STUVWXYZ : ? _

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

dividend, divisor, quotient

16. Problem Solving:

Find the word/name that is seen early each year (that has 1 vowel) that the following words have in common: third, walk: _ _ r _ _

III. Numerical

17. Complete the series:

2 7 22 67 202 ?

18. Complete the series:

9 36 117 360 ?

19. Find the missing element in this matrix; only two mathematical operations are needed, not all 4 (add, subtract, multiply, divide):

34569	1220
53276	?

20. Find the missing element in this matrix; only one mathematical operation is needed, not all 4 (add, subtract, multiply, divide):

2	2	3	4	11
3	2	4	9	18
9	5	0	1	?
6	1	1	8	16

21. Complete the analogy:

3.14 : 36.3378 :: 2.718 : ? _ _ . _ _ _ _ (Answer is rounded; a calculator is required)

22. Complete the analogy:

7 98 : 14 :: 143 1001 : ?

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

48, 22, 10, 88, 12, 18, 40

24. Problem Solving:

State how the following rounded numbers relate with 1 short word - do not write an explanation: 1.7725 and 9.8696

IV. Spatial

25. Complete the series. This item can be solved with your keyboard – drawing software is not required:

v ^		^
	^	^
v		v^
	?	

26. Complete the series. This item can be solved with your keyboard – drawing software is not required:

o-o

?

o--o oo-oo

27. Find the missing element in this matrix. This item can be solved with your keyboard – drawing software is not required:

] [?
() (

28. Find the missing element in this matrix. This item can be solved with your keyboard – drawing software is not required:

**/ - **
| + ?
\ - /

29. Complete the analogy. This item can be solved with your keyboard – drawing software is not required:

O : o :: C : ?

30. Complete the analogy. This item can be solved with your keyboard – drawing software is not required.

7 : * :: F : ? It must fit within a 5x5 space (rows by columns) and contain 13 of the following symbol: *.

31. Select the letter (A, B, C, D, E, F, or G) of the item that is different from the others:

(\$ { [@ ^ &
A B C D E F G

32. Problem Solving:

Each of the following big 4 squares have small empty squares that are clear. Three of the 4 big squares are placed on top of each other so that there are no empty squares; looking at this final big square, it will be observed that all 36 small squares are filled with the following: ~. What are the 3 big squares? List the letters of the 3 big squares.

~			~	~	
	~	~			~
	~	~			~
~			~	~	
~			~	~	
	~	~			~

A

~	~			~	~
~	~			~	~
		~	~		
		~	~		
~	~			~	~
~	~			~	~

B

		~	~		
~	~			~	~
		~	~		
~	~			~	~
		~	~		
~	~			~	~

C

~		~		~	
	~		~		~
~		~		~	
	~		~		~
~		~		~	
	~		~		~

D

V. Psi – Through psychic means, select one term from each of the following:

- 33. 0 1
- 34. B V
- 35. t f
- 36. F L
- 37. b w
- 38. H D

- 39. In this psi section, not including this item, how many items did you answer correctly so far (excluding item 40)?
- 40. In this psi section, not including this item, how many items did you answer correctly?

Final Scoreboard (December 31, 2021)

Ranking	Name	Country	1 st Attempt (IQ+Psi)	2 nd Attempt (IQ+Psi)	Total Mean Score	Prize
Winner	Tiberiu Sammak	Romania	36 (32+4)	N/A	36 (32+4)	Three free test submissions and two free society memberships until February 20, 2022.
2nd Place	Susumu Ota Jewoong Moon	Japan South Korea	33 (31+2) 35 (30+5)	37 (32+5) N/A	35 (31.5+3.5) 35 (30+5)	Two free test submissions and one free society membership until February 10, 2022.
3rd Place	Hidden	Hidden	34 (31+3)	34 (30+4)	34 (30.5+3.5)	Free test submission and ½-off society membership until January 31, 2022.
4th Place	Nobuo Yamashita Jim Lorrimore	Japan England	33 (29+4) 30 (29+1)	N/A 36 (29+7)	33 (29+4)	½-off test submission and ½-off society membership until January 20, 2022.
5th Place	Göran Åhlander	Sweden	31 (29+2)	34 (28+6)	32.5 (28.5+4)	½-off test submission until January 10, 2022.
6th Place	Hidden	Hidden	32 (29+3)	N/A	32 (29+3)	Secret Prize: given to all participants
7th Place	Hidden	Hidden	29 (25+4)	N/A	29 (25+4)	
8th Place	Andrius Jodinskas	Wales	21 (19+2)	N/A	21 (19+2)	