Intense Gradient Instrument of Reasoning (IGNITER)

Released: January 1, 2020

Norm: First Norm (30 testees)

[Fee](): 1st Attempt ($5)|2nd Attempt ($10)

Accepted to [Opal Quest Group Societies]() (1st/2nd Attempts)

Test Designer: [James Dorsey]()

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Test Information

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

Intense Gradient Instrument of Reasoning (IGNITER)

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:

    One at a time, move a symbol on top of another by jumping over exactly 2 symbols each time to finish with 5 stacks of 2 (5 pairs):

    ```
            ~     @     #     $     %     ^     &     *     +     "
    ```

    For example: A B C D, if A jumps over B and C to be on top of D or D jumps over C and B to be on top of A, A and D form a pair (AD or DA).

    List the 5 pairs (there are a few strategies to do this, but the pairs/stacks will be the same: for example, AB, CD, EF or DC, FE, BA).

    Hint: first move $ on top of a symbol, then move ^ on top of a symbol to get started. The 5 stacks cannot touch each other.

II.   Verbal

9. Complete the series:

Aconcagua	Denali	Elbrus	Everest	Kilimanjaro	Puncak Jaya	? _ _ _ _ _ _

10. Complete the series:

Second	Minute	Hour	Day	Week	Month	Year	?	Century

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:

    Beverage originating from the nineteenth century **:** Pepsi Cola **::** Land partially surrounded by water **:** ? _ _ _ _ _ _ _ _ _

14. Complete the analogy:

    Uncontrollable anger, children **:** Tantrum **::** Silver-gray metal, 73 **:** ? _ _ _ _ _ _ _

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

    hand, ball, foot

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:

    ?   U   R   O   12   9   6   3

18. Complete the series:

    9   36   117   360   ?

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

242	16
544	?

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:

    123   567 **:** 444 **::** 3546   7854 **:** ?

22. Complete the analogy:

    5688 **:** 94 **::** 1234 **:** ? _ _ (Use only 2 mathematical operations to find the answer, not all 4: add, subtract, multiply, divide)

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

                  ?

                          oo-oo
              o--o

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

```
V           SS
s           ?
```

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.
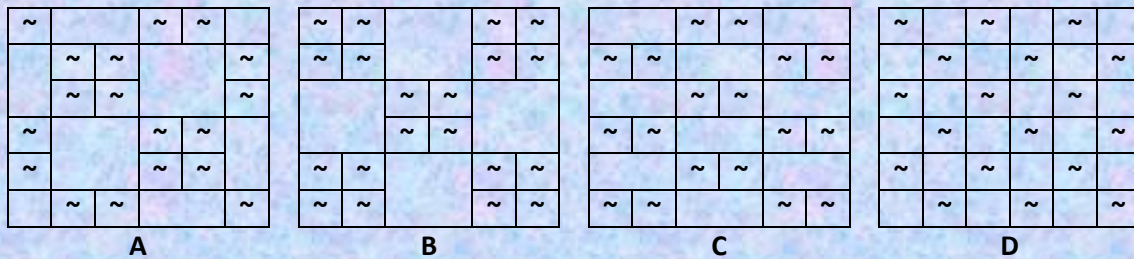
```
            #
          # #
A  :  #####   ::   L  :   ?   It must fit within a 5x5 space (rows by columns) and contain 9 of the following symbol: #.
      #       #
    #           #
```

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

```
r     y     u     n     ;     c     \
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.

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

33. A   I
34. B   V
35. E   X
36. F   L
37. G   C
38. H   D
39. J   M

40. In this psi section, not including this item, how many items did you answer correctly?

Submission Information:

E-mail **OpalQuestGroup@gmail.com** the following information: **Full Name**, **Country**, **Age**, **Sex**, a clear scan of your **Photo ID** (State/Country ID, Driver's License, Passport, etc.) showing only your full name, age/birthdate, and country **Prior scores on IQ tests (if any):**

Test Name|IQ(raw score if IQ is unknown)|SD (15/16/24)|Attempt(1st,2nd,…)|Year Taken|Test's website (if known). For example,

LogiNum |160 |SD 15 |3rd |2000 |http://www.loginum.com

NumVerb |164 |SD 16 |1st |1992

The NLogi |9 (raw score) |SD unknown |2nd |1987

Attempt (1st or 2nd time taking this test)

Your Solutions (For example):

1. 4
2. Circle
3. xox

Make sure you keep a copy of your solutions in case some of the best items appear in a future test; I will forward your email with them for $1.

Norming and Scoring Fee System	Tests composed of new items		Tests composed of over 50% of previously used items/multiple choice items	
Norming Stage (# of Testees)	1st Attempt	2nd Attempt	1st Attempt	2nd Attempt
N/A (<5)|Estimate (5)	Free	$5	$5	$10
Preliminary Norms I|II (10|20)	Free	$5	$5	$10
First Norm (30)	**$5**	**$10**	$10	$15
Second Norm (60)	$10	$15	$15	$20
Third Norm (90)	$15	$20	$20	$25
Final Norm (120)	$20	$25	$25	$30
Bolded and underlined: norming stage and current fees	**http://www.paypal.me/OpalQuestGroup** to pay scoring fee (if any)			

Score Report Example:

Score Report: IGNITER

Type: Mixed (Logical, Verbal, Numerical, Spatial, Psi)

Items: 40

Candidate: Jane Doe

Total Raw Score (*Psi & IQ sections*): 9

Psi Raw Score (out of 8): 8

IQ Raw Score (out of 32): 1

IQ: 160 (s.d = 15)

IQ Percentile: 99.997%

Attempt: First

Date: January 1, 2020

Norm: First (based on 30 testees)

Scorer: *James Dorsey*

Verification code: JD-1.1.2020-0001A

Opal Quest Group   OpalQuestGroup@gmail.com   OpalQuestGroup.com

Norming (May 2021)/Scoreboard

Norm (Rank Equation): First Norm (30 testees)   Based on 1st Attempts: IQ Part: **Raw Median**: 29   **Mean**: 28.29   **σ**: 2.64   **Split-Half Reliability**: 0.82

Correlations with other tests:	*Correlation between age and raw score*: -0.32	*Estimated minimum g loading*: 0.51	Pairs (≥ 3)	Correlation
Numerus Classic			3	0.98
Lux25			3	0.93
FREE Fall			3	0.87
Reduction Riddles			16	0.58
COSMIC			27	0.53
MultDiv			17	0.49
ILLUSION			29	0.47
LSHR Light			4	0.47
CELESTIAL			24	0.45
METEOR			26	0.44
PatNum			23	0.35
Alphabet			22	0.28
SPECTRA			24	0.27
Warp			4	0.27
AdSub			21	0.25
ASMuDi			20	0.22
OASIS			23	0.12
Fiqure			10	0.06
Numericore			3	0.00
Mach			3	-0.12
WIT			4	-0.30
GIFT Verbal III			3	-0.36
Lexiq			4	-0.58
Numerus Light			5	-0.64
GENE Verbal III			3	-0.67
Mathema			3	-0.79
GRIT			3	-0.84
AIT			3	-0.87
Logica Stella			3	-0.94
Other tests with 2 pairs: BOANT, 12345, MRI-30R, Triplex Light, Asterix, EMC-30R, GENE Verbal, Hieroglyphica, Einplex, GIFT Verbal, Test for Genius – Revision 2016, Verbatim, LS36, DOMESTIQ, GIFT Verbal IV, NERVE, GAIA, Cattell Culture Fair, Numerus Light 2, Algebrica, FREE Fall Pt. 2, Numerus			44	0.12
For privacy, tests with only 1 score are not including on this list.				

Norm: IQ Raw	IQ (SD 15)	Frequency (1st | 2nd Attempts)	Scoreboard: Testees: 35 (1st, 2nd Attempts) *(Psi raw score out of 8 in italics by name)*
1-9	<70	0 | 0	X, X
10	72	0 | 0	X, X
11	76	0 | 0	X, X
12	80	0 | 0	X, X
13	84	0 | 0	X, X
14	88	0 | 0	X, X
15	92	0 | 0	X, X
16	97	0 | 0	X, X
17	101	0 | 0	X, X
18	105	0 | 0	X, X
19	109	0 | 0	X, X
20	113	0 | 0	X, X
21	122	1 | 0	Hidden2 (*5*), X
22	124	0 | 0	X, X
23	126	1 | 0	Vincent van der Weide (*2*), X
24	129	1 | 0	Andrius Jodinskas (*6*), X
25	130	3 | 1	Alexandre Duran (*3*), Pierre Zakia (*4*), Mingjiu Dai (*4*), Alexandre Duran (*3*)
26	135	2 | 2	Hidden3 (*5*), David Quint (*5*), Andrius Jodinskas (*5*), Mohammed Benazzi (*4*)
27	142	5 | 0	James Gordon (*2*), Javier Hilario (*4*), Huiquan Liu (*2*), Sinan Babacan (*0*), Mohammed Benazzi (*4*), X
28	144	3 | 1	Hidden (*6*), Chris McLaren (*3*), Veronica Palladino (*4*), Javier Hilario (*5*)
29	150	4 | 1	Andrew Hayles (*2*), Luca Fiorani (*6*), Rickard Sagirbey (*5*), Kentaro Takiguchi (*5*), Göran Åhlander (*6*)
30	156	6 | 2	Jim Lorrimore (*5*), Göran Åhlander (*2*), Daniel Hilton (*5*), Nobuo Yamashita (*6*), Michael Albertson (*0*), Jo Christopher M. Resquites (*4*), Susumu Ota (*2*), Jim Lorrimore (*5*)
31	160	8 | 2	Maximilian-Andrei Druță (*6*), Jewoong Moon (*5*), Nitish Joshi (*6*), Srinwan Roy (*5*), Susumu Ota (*3*), Lukas Pöttrich (*6*), ID (*5*), Victor Balacescu (*5*), James Gordon (*2*), Luca Fiorani (*5*)
32	168	1 | 3	Tiberiu Sammak (*1*), Maximilian-Andrei Druță (*6*), Chris McLaren (*8*), Victor Balacescu (*5*)