Mental Examination of Reasoning (METEOR)

Released: January 1, 2019

Norm: First Norm (30 testees)

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

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

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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.

Mental Examination of Reasoning (METEOR)

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 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:

    Merchant   Employer

    Boycott   ? _ _ _ _ k _

12. Find the missing element in this matrix:

Sixty	Seven	Twelve
Minutes	Days	Months
Hour	Week	? _ _ _ _

13. Complete the analogy:

Condiment and Band ꞉ Mayonnaise ꞉꞉ Clothing and Dance ꞉ ? _ _ _ _ n _ _ _ _

14. Complete the analogy:

Swiss Confederation ꞉ Switzerland ꞉꞉ Kingdom of eSwatini ꞉ ? _ _ _ _ _ _ _ _ _

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

dividend, divisor, quotient

16. Problem Solving:

For the word *SILVER*, rearrange some of the letters to mean the following: cut into really small pieces: _ _ _ _ _ _

III.   Numerical

17. Complete the series:

2   7   22   67   202   ?

18. Complete the series:

5793   3579   9357   ?

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

34569	1220
53276	?

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

31	27	99
12	?	65
41	16	88

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:

5432, 6543, 8765, 9870, 7654

24. Problem Solving:

Find the missing value based on the following:

1# = 0

2# = 3

3# = 26

5# = ?

7# = 823542

8# = 16777215

9# = 387420488

10# = 9999999999

12# = 8916100448255

IV.   Spatial

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

```
/X\                          X
          X\                      \
     /X              /\
                              ?
```

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

```
?
          ^^
          ||
          ^^
                    ^
                    ||
     ^^             ^
     |
     ^^
```

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:

```
< : > :: ] : ?
```

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:

Rube cut a large red cube into 64 perfect cubes of the same size and weight. How many cubes have no sides with the color red?

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

33. 0   1

34. y   n

35. t   f

36. s   g

37. b   w

38. ^   v

39. <   >

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: METEOR

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, 2019

Norm: First (based on 30 testees)

Scorer: *James Dorsey*

Verification code: JD-1.1.2019-0001A

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Norming (March 2021)/Scoreboard

Norm (Rank Equation): First Norm (30 testees)   Based on 1st Attempts: IQ Part: **Raw Median**: 28.5   **Mean**: 27.17   **σ**: 3.69   **Split-Half Reliability**: 0.8

Correlations with other tests:	*Correlation between age and raw score*: 0.05	*Estimated minimum g loading*: 0.64	Pairs (≥ 3)	Correlation
Numerus Light			5	0.98
Mach			3	0.95
Cattell Culture Fair			3	0.83
Warp			3	0.76
ASMuDi			25	0.73
LSHR Light			4	0.68
AIT			3	0.67
Alphabet			22	0.66
SPECTRA			22	0.65
MultDiv			19	0.63
Numerus Classic			3	0.61
Reduction Riddles			17	0.49
AdSub			17	0.48
CELESTIAL			19	0.47
ILLUSION			26	0.46
COSMIC			24	0.44
OASIS			21	0.44
PatNum			20	0.43
FREE Fall			3	0.33
GRIT			4	0.26
Numericore			3	0
Fiqure			12	-0.25
GIFT Verbal III			3	-0.25
Lexiq			3	-0.50
Lux25			4	-0.57
Mathema			4	-0.75
GENE Verbal III			3	-0.78
WIT			4	-0.94
Tests with 2 pairs: Triplex Light, BOANT, 12345, Asterix, MRI-30R, Mensa Wonderlic, GENE Verbal, Hieroglyphica, Cattell Culture Fair, Test for Genius - Revision 2016, VERBATIM, LS 36, Logica Stella, DOMESTIQ, NERVE, GIFT Verbal IV			30	0.17
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: 36 (1st, 2nd Attempts) *(Psi raw score out of 8 in italics by name)*
1	<70	0 | 0	X, X
2	<70	0 | 0	X, X
3	<70	0 | 0	X, X
4	<70	0 | 0	X, X
5	<70	0 | 0	X, X
6	<70	0 | 0	X, X
7	<70	0 | 0	X, X
8	70	0 | 0	X, X
9	73	0 | 0	X, X
10	77	0 | 0	X, X
11	81	0 | 0	X, X
12	85	0 | 0	X, X
13	89	1 | 0	Hidden2 (*5*), X
14	93	0 | 0	X, X
15	97	0 | 0	X, X
16	101	0 | 0	X, X
17	105	0 | 0	X, X
18	109	0 | 0	X, X
19	113	0 | 0	X, X
20	118	1 | 1	Andrius Jodinskas (*3*), Andrius Jodinskas (*4*)
21	122	0 | 0	X, X
22	126	1 | 0	Hidden6 (*1*), X
23	130	3 | 1	Tonny Sellén (*5*), Anthony Brown (*5*), Nitish Joshi (*5*), Tonny Sellén (*3*)
24	133	0 | 0	X, X
25	135	4 | 0	Hidden (*4*), Nedeljko Djilas (*4*), Joseph Hayes (*2*), Mohammed Benazzi (*6*), X
26	142	3 | 0	Jewoong Moon (*2*), Hidden3 (*4*), Sinan Babacan (*0*), X
27	143	0 | 2	X, Jim Lorrimore (*6*), Hidden3 (*2*)
28	144	5 | 1	Göran Åhlander (*4*), Srinwan Roy (*6*), Alexandre Alves Duran (*5*), Hidden4 (*3*), Nobuo Yamashita (*4*), Mohammed Benazzi (*6*)
29	152	8 | 1	Pierre Zakia (*3*), Huiquan Liu (*4*), Chris McLaren (*4*), Daniel Hilton (*4*), Zhang Xiaojun (*2*), Jo Christopher M. Resquites (*3*), ID (*4*), Victor Balacescu (*5*), Göran Åhlander (*4*)
30	160	6 | 2	Andrew Hayles (*5*), Jim Lorrimore (*5*), Hidden5 (*4*), Cocirla Diana Daniela (*4*), Kentaro Takiguchi (*5*), Marco Falchi (*3*), Luca Fiorani (*3*), Victor Balacescu (*6*)
31	164	4 | 1	Tiberiu Sammak (*2*), Maximilian-Andrei Druță (*5*), Luca Fiorani (*3*), Susumu Ota (*5*), Susumu Ota (*5*)
32	168	0 | 1	X, Tiberiu Sammak (*6*)

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