

## **Spectacular Reasoning Assessment (SPECTRA)**

**Released: January 1, 2018**

**Norm: Final Norm (30 testees)**

**Fee: 1st Attempt (\$5)|2nd Attempt (\$10)**

**Submissions after September 6, 2020 won't be accepted for society admission due to answer leakage!**

**SPECTRA's norm will not be updated.**

**SPECTRA will continue to be scored though.**

**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.

### Spectacular Reasoning Assessment (SPECTRA)

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:

Going into a large department store, I went into four aisles, each with a unique alphanumeric code, to find four items.

The first aisle I went into was 1K3I7U1 for school supplies. Next, I went into aisle 3I7G1B2 for socks, then aisle 7G1D9Z3 for shoes.

Logically, which of the following aisles did I go into next for shirts before going to the checkout line:

2K1Z2F3, 4A5X8F1, 8H2E0A4, 9W0E1L2, 1D9Q1C4, 0S5X6V1, 2B4H0J1, 6N2K7D3, 7O1C3M1, 3Z5Y7X2, or 9G1D9Z4

#### II. Verbal

9. Complete the series:

Yaw    Roll    ?

10. Complete the series:

Arctic    Atlantic    Indian    Pacific    ?

11. Find the missing element in this matrix:

```
Poem           Book
?_ _ _ _ z _   Chapter
```

12. Find the missing element in this matrix:

```
Wire           Bread
Cable          ?_ _ _ _ u _
```

13. Complete the analogy:

Operate : Surgeon :: Grow : ?\_ \_ \_ \_ \_ n

14. Complete the analogy:

Unusual kind of magic : Voodoo :: Unusual column of rock : ? \_\_\_\_\_

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

dad, deed, doom, dud

16. Problem Solving:

For the word *Divide*, replace 1 letter for something celestial; keep the letters in order after replacement: \_\_\_\_\_

**III. Numerical**

17. Complete the series:

22      43      85      169      337      ?

18. Complete the series:

1      12      358      ?      34558

19. Find the missing element in this matrix:

12345	168
49684	?

20. Find the missing element in this matrix:

7	1	0	7
5	2	2	5
3	3	2	7
2	4	1	?

21. Complete the analogy:

1 2 : 3 :: 4 5 8 17 : ?

22. Complete the analogy:

5 2 3 : 30 :: 35 7 8 9 11 : ?

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

12678, 14579, 13456, 12589, 13567, 14578, 10456, 15679, 16789, 13789

24. Problem Solving:

At a charity event, a total of 4120 shoes were collected from four companies (A, B, C, D). Company A donated the most shoes. Company A exceeded Company B by 1200 shoes, Company C by 540 shoes, and Company D by 360 shoes. How many shoes did Company B donate?

**IV. Spatial**

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

```

**                *****
          *****
*              *
          *
          ?
    
```

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

```

---
| | * |
*-----

#===O
| | |
| - |
| \ |
.===X




-----*
| * ||
-----

          ?
    
```

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:

o	o	o
?	---	---
		

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.

T	LLLLL	E	E
T	L	E	E
T	: L	:: EEEEE	: ?
T	L	E	E
TTTTT	L	E	E

*The answer must contain 17 of a specific character (letter, number, or symbol).*

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

{f → f}	{≠ → ≠}	{≈ → ≈}	{÷ → ÷}	{★ → ★}	{/ → /}	{- → -}
A	B	C	D	E	F	G

32. Problem Solving:

State the maximum amount of pieces that will result from a large cube of clay with 4-foot sides being cut in the following way:

One cut is initially made, then four cuts are made in a different direction, and finally nine cuts are made on the cube in a completely different direction from the previous cuts. Cuts are never made diagonally and the pieces are never moved.

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

33. # @
34. {\*} !\$
35. +( -(
36. ~ = ~
37. < >
38. ^%\* %^\*
39. #- \$&

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

### Submission Information:

E-mail [OpalQuestGroup@gmail.com](mailto: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(1<sup>st</sup>,2<sup>nd</sup>,...)|Year Taken|Test's website (if known). For example,  
 LogiNum |160 |SD 15 |3<sup>rd</sup> |2000 |http://www.loginum.com  
 NumVerb |164 |SD 16 |1<sup>st</sup> |1992  
 The NLogi |9 (raw score) |SD unknown |2<sup>nd</sup> |1987

Attempt (1<sup>st</sup> or 2<sup>nd</sup> 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	
	1 <sup>st</sup> Attempt	2 <sup>nd</sup> Attempt	1 <sup>st</sup> Attempt	2 <sup>nd</sup> Attempt
Norming Stage (# of Testees)				
N/A (<5) Estimate (5)	Free	\$5	\$5	\$10
Preliminary Norms I II (10 20)	Free	\$5	\$5	\$10
<b><u>Final Norm (30)</u></b>	<b><u>\$5</u></b>	<b><u>\$10</u></b>	\$10	\$15

**Bolded and underlined:** norming stage and current fees <http://www.paypal.me/OpalQuestGroup> to pay scoring fee (if any)

### Score Report Example:

Score Report: SPECTRA
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, 2018
Norm: First (based on 30 testees)
Scorer: <i>James Dorsey</i>
Verification code: JD-1.1.2018-0001A
Opal Quest Group    OpalQuestGroup@gmail.com    OpalQuestGroup.com

## Norming (October 2019)/Scoreboard

**Norm** (Z-score Equation): Final Norm (30 testees) Based on 1<sup>st</sup> Attempts: IQ Part: **Raw Median:** 25 **Mean:** 25.26  **$\sigma$ :** 3.68 **Split-Half Reliability:** 0.7  
 Statistics/norm will not be updated because of answer leakage. The stats are from the first 35 testees (before answer leakage in early September 2020).

Correlations with other tests:	Correlation between age and raw score: 0.22	Estimated minimum g loading: 0.7	Pairs ( $\geq 3$ )	Correlation
Eimplex			3	0.99
AIT			3	0.98
Numerus Light			3	0.96
FREE Fall			3	0.89
GRIT			6	0.79
AdSub			20	0.76
Alphabet			22	0.75
Reduction Riddles			21	0.70
12345			4	0.66
PatNum			22	0.66
OASIS			22	0.61
Numericore			4	0.61
Asterix			4	0.60
LSHR Light			3	0.56
MultDiv			18	0.42
COSMIC			29	0.42
ILLUSION			25	0.37
Figure			8	0.29
WIT			5	0.07
Lux25			5	-0.60
Mathema			4	-0.71
Tests with 2 pairs: BOANT, Cattell Culture Fair, VERBALECTIQ, Triplex Light, Numerus Classic, Hieroglyphica, Anoteleia 44, PIGS 1 <sup>st</sup> degree, RBMC, Logima Strictica 36, Mach, SEE30, Lexiq, Warp			28	0.81
For privacy, tests with only 1 score are not including on this list.				

Norm: IQ Raw	IQ (SD 15)	Frequency (1 <sup>st</sup>   2 <sup>nd</sup> Attempts)	Scoreboard: Testees: 39 (1 <sup>st</sup> , 2 <sup>nd</sup> Attempts) ( <i>Psi raw score out of 8 in italics by name</i> )
1	<80	0   0	X, X
2	<80	0   0	X, X
3	<80	0   0	X, X
4	<80	0   0	X, X
5	<80	0   0	X, X
6	<80	0   0	X, X
7	<80	0   0	X, X
8	<80	0   0	X, X
9	80	0   0	X, X
10	84	0   0	X, X
11	88	0   0	X, X
12	92	0   0	X, X
13	97	0   0	X, X
14	101	0   0	X, X
15	105	0   0	X, X
16	110	0   0	X, X
17	114	0   0	X, X
18	118	1   0	Andrius Jodinskas (3), X
19	122	2   3	Anfinn Bjartalíð (5), Javier Hilario (5), <b>Tonny Sellén (3)</b> , Javier Hilario (6), Andrius Jodinskas (4)
20	127	1   0	Anthony Sepulveda (3), X
21	131	3   1	Tonny Sellén (3), Michael Albertson (0), Veronica Palladino (4), Jawdat Wehbe Wehbe (3)
22	135	2   2	Hidden2 (1), Lorenzo Amadori (4), <b>Anthony Sepulveda (4)</b> , Hidden2 (1)
23	139	3   0	José Enrique Benlloch Izquierdo (3), Jim Lorrimore (3), Nitish Joshi (3), X
24	144	4   1	Göran Åhlander (2), Patrick Liljegren (4), Jewoong Moon (4), Maximilian-Andrei Druță (4), <b>Lorenzo Amadori (4)</b>
25	148	3   1	Jawdat Wehbe Wehbe (3), Joseph Hayes (5), Pierre Zakia (4), <b>Göran Åhlander (6)</b>
26	152	4   0	Konstantinos Ntalachanis (4), Nobuo Yamashita (3), Andrew Hayles (5), Enoch Kwak (2), X
27	157	4   2	Alexandre Alves Duran (0), Huiquan Liu (4), James Gordon (4), Srinwan Roy (2), <b>Maximilian-Andrei Druță (6)</b> , <b>Jewoong Moon (5)</b>
28	161	3   2	Tiberiu Sammak (2), Jason Rasmussen Robert (5), Hidden (3), <b>Jim Lorrimore (5)</b> , <b>Susumu Ota (6)</b>
29	165	2   1	Chris McLaren (3), Susumu Ota (4), <b>James Gordon (5)</b>
30	169	3   3	Daniel Hilton (3), Greg Cronau (1), David Quint (3), <b>Alexandre Alves Duran (4)</b> , <b>Tiberiu Sammak (6)</b> , <b>Hidden (4)</b>
31	174	2   0	Tim Roberts (3), Domagoj Kutle (6), X
32	178	2   0	<b>Liam Milliken (5)</b> – Leaked answers to SPECTRA on September 7, 2020, Jo Christopher M. Resquites (1), X