

**Contest: Spectacular Reasoning Assessment (SPECTRA)**

**Start: January 1, 2018**

**End: [December 31, 2018 11:59pm ET](#)**

**Updated Norm: Preliminary Norm I (15 testees)**

**[Fee](#): 1st Attempt (\$10)|2nd Attempt (\$20)**

**Prizes for Top 5 performers based on Total score!**

**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:

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-	-	-	*																					
	*																							

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.

Contests	1 <sup>st</sup> Attempt	2 <sup>nd</sup> Attempt	Norming Stage (# of Testees)
<b>Mixed/Mystery Contests</b>	<b>\$10</b>	<b>\$20</b>	N/A (<5) Estimate (5)
<b>IQ Contests</b>	<b>\$5</b>	<b>\$10</b>	<b>Preliminary Norms I/II (10/20)</b>
Progressive One Contests	\$1	\$2	First Norm (30)
Quick Day/Psychic Contests	Free	\$1	Second Norm (60)
<b>Bolded and underlined:</b> norming stage and current fees			Third Norm (90)
<a href="http://www.paypal.me/OpalQuestGroup">http://www.paypal.me/OpalQuestGroup</a> to pay scoring fee (if any)			Final Norm (120)

### 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 2018)/Scoreboard

**Norm (Z-score Equation):** Prelim. Norm I (15 testees) Based on 1<sup>st</sup> Attempts: IQ Part: **Raw Median: 25 Mean: 25.47  $\sigma$ : 3.7 Split-Half Reliability: 0.72**

Correlations with other tests:	Correlation between age and raw score: soon	Estimated minimum g loading: soon	Pairs ( $\geq 3$ )	Correlation
FREE Fall			3	0.89
GRIT			6	0.79
12345			4	0.66
OASIS			12	0.62
Numericore			4	0.61
LSHR Light			3	0.56
Figure			5	0.25
WIT			4	-0.37
Asterix			3	-0.99
Lux25			3	-1
Tests with 2 pairs: AIT, BOANT, Cattell Culture Fair, Numerus Light, VERBALECTIQ, Triplex Light, Numerus Classic, Hieroglyphica, Anoteleia 44, PIGS 1 <sup>st</sup> degree, RBMC, Logima Strictica 36, Mach, SEE30, Mathema			30	0.75
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: 17 (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	84	0   0	X, X
9	88	0   0	X, X
10	92	0   0	X, X
11	96	0   0	X, X
12	99	0   0	X, X
13	103	0   0	X, X
14	107	0   0	X, X
15	111	0   0	X, X
16	115	0   0	X, X
17	118	0   0	X, X
18	122	0   0	X, X
19	126	1   1	Anfinn Bjartalíð (5), <i>Tonny Sellén (3)</i>
20	130	1   0	Anthony Brown (3), X
21	134	1   1	Tonny Sellén (3), <i>Jawdat Wehbe Wehbe (3)</i>
22	138	0   1	X, <i>Anthony Brown (4)</i>
23	141	2   0	José Enrique Benlloch Izquierdo (3), Jim Lorrimore (3), X
24	145	2   0	Göran Åhlander (2), Patrick Liljegren (4), X
25	149	2   0	Jawdat Wehbe Wehbe (3), Joseph Hayes (5), X
26	153	3   0	Konstantinos Ntalachanis (4), Nobuo Yamashita (3), Andrew Hayles (5), X
27	157	0   0	X, X
28	160	1   1	Tiberiu Sammak (2), <i>Jim Lorrimore (5)</i>
29	164	0   0	X, X
30	168	2   0	Daniel Hilton (3), Greg Cronau (1), X
31	172	1   0	Tim Roberts (3), X
32	176	1   0	Liam Milliken (5), X