

## **Reduction Riddles**

**Released: January 11, 2017**

**Norm: First Norm (30 testees)**

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

Accepted to [Opal Quest Group Societies](#) (1<sup>st</sup>/2<sup>nd</sup> 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.

### Reduction Riddles

**I. Order** (keep letters in order after removal) *For example, Cold: Remove 1 letter for a type of fish: \_\_\_ (Cod)*

1. Lid: Remove 1 letter for something related to psyche: \_\_
2. Shift: Remove 1 letter to examine something: \_\_\_\_\_
3. Gradian: Remove 1 letter for something related to angles: \_\_\_\_\_
4. Eleven: Remove 2 letters for something equal: \_\_\_\_\_
5. Justice: Remove 2 letters for something to drink: \_\_\_\_\_
6. Treachery: Remove 2 letters for an educator: \_\_\_\_\_
7. Toilet: Remove 3 letters for something slick and thick: \_\_\_
8. Current: Remove 3 letters for something related to a lease: \_\_\_\_\_
9. Variable: Remove 4 letters to describe someone that is talented: \_\_\_\_\_
10. Reduction: Remove 5 letters for something used in ventilation: \_\_\_\_\_
11. Interactive: Remove 5 letters for something related to movement or work: \_\_\_\_\_
12. Compact Discs: Remove 5 letters for something useful on a journey: \_\_\_\_\_
13. Comfortable: Remove 6 letters to place food on something: \_\_\_\_\_
14. Tintinnabulation: Remove 6 letters for an arrangement: \_\_\_\_\_
15. Certificate: Remove 7 letters for destiny: \_\_\_\_\_
16. Paraphernalia: Remove 7 letters for an injury: \_\_\_\_\_
17. Opal Quest Group: Remove 12 letters for a game: \_\_
18. CAKBABLEBIDEOTSCEOIEPIENG: Remove 13 letters for interesting patterns: \_\_\_\_\_

**II. Rearrange** (at least one letter is rearranged after removal) *For example, Star: Remove 1 letter for a rodent: \_\_\_ (Rat)*

19. Range: Remove 1 letter to shift something: \_\_\_\_\_
20. Harbor: Remove 1 letter to loathe something: \_\_\_\_\_
21. Source: Remove 2 letters for something in the middle: \_\_\_\_\_
22. Videos: Remove 2 letters to jump into something: \_\_\_\_\_
23. Archaic: Remove 2 letters for something in an office: \_\_\_\_\_
24. Tongue: Remove 3 letters to bruise something: \_\_\_
25. Collapse: Remove 3 letters to catch something: \_\_\_\_\_
26. Infinity: Remove 4 letters for something miniscule: \_\_\_\_\_
27. Languages: Remove 4 letters for an instrument of measurement: \_\_\_\_\_
28. Beautiful: Remove 5 letters for something that can be confidential: \_\_\_\_\_
29. Reasoning: Remove 5 letters to smell flowers: \_\_\_\_\_
30. Definitions: Remove 5 letters for something limited: \_\_\_\_\_
31. Adjournment: Remove 6 letters for something related to horse riding: \_\_\_\_\_
32. Infestation: Remove 7 letters for an examination: \_\_\_\_\_
33. Punctuation Mark: Remove 7 letters for a modification: \_\_\_\_\_
34. Opal Quest Group: Remove 9 letters to fulfill or share something: \_\_\_\_\_
35. Flibbertigibbet: Remove 10 letters for something stale: \_\_\_\_\_
36. AADDDEEEEFGGIILMMMMNRRRRSSSTTT: Remove 11 letters to describe what this is: \_\_\_\_\_

### 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
N/A (<5) Estimate (5)	Free	\$5	\$5	\$10
Preliminary Norms I II (10 20)	Free	\$5	\$5	\$10
<b><u>First Norm (30)</u></b>	<b><u>\$5</u></b>	<b><u>\$10</u></b>	\$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: Reduction Riddles
Type: Verbal
Items: 36
Candidate: Jane Doe
Raw Score: 1
IQ: 160 (s.d = 15)
Percentile: 99.997%
Attempt: First
Date: January 11, 2017
Norm: First (based on 30 testees)
Scorer: <i>James Dorsey</i>
Verification code: JD-1.11.2017-0001A
Opal Quest Group    OpalQuestGroup@gmail.com    OpalQuestGroup.com

## Norming (August 2019)/Scoreboard

Norm (Rank Equation): First Norm (30 testees) Based on 1<sup>st</sup> Attempts: **Raw Median:** 32.5 **Mean:** 31.63  **$\sigma$ :** 3.68 **Split-Half Reliability:** 0.83

Correlations with other tests:	Correlation between age and raw score: 0.00	Estimated minimum g loading: 0.70	Pairs ( $\geq 3$ )	Correlation
Numericore			4	0.89
American Mensa Battery (Wonderlic, RAIT: Crystallized, Fluid, Total Intelligence Index, Quantitative, Total Battery Intell. Index)			12	0.83
METEOR			20	0.78
ASMuDi			21	0.69
PatNum			19	0.69
Alphabet			21	0.68
SPECTRA			22	0.68
COSMIC			25	0.63
Lux25			4	0.59
ILLUSION			22	0.56
AdSub			22	0.53
12345			3	0.50
VAULT			3	0.50
IGNITER			19	0.49
Gliaweb Riddled Intelligence Test			8	0.46
CELESTIAL			15	0.32
MultDiv			20	0.30
OASIS			23	0.11
FREE Fall			3	-0.07
GENE Verbal III			3	-0.24
Asterix			4	-0.36
LSHR Light			3	-0.40
Figure			9	-0.46
WIT			8	-0.49
Mathema			3	-0.76
Warp			3	-0.76
Hieroglyphica			3	N/A
Tests with 2 pairs: BOANT, Wonderlic, RAIT, CIT 4E, Anoteleia 44, Triplex Light, SEE30, Reason Behind Multiple Choice, Mach, AIT, Logica Stella, WITT, Cattell Culture Fair, Lexiq, Numerus Light, GIFT Verbal III			40	0.43
For privacy, tests with only 1 score are not including on this list.				

Norm: Raw	IQ (SD 15)	Frequency (1 <sup>st</sup>   2 <sup>nd</sup> Attempts)	Scoreboard: Testees: 48 (1 <sup>st</sup> , 2 <sup>nd</sup> Attempts)
1-16	<80	0   0	X, X
17	80	0   0	X, X
18	85	0   0	X, X
19	89	1   0	Hidden5, X
20	93	0   0	X, X
21	97	0   0	X, X
22	102	0   0	X, X
23	109	1   0	Nicos Gerasimou, X
24	113	0   1	X, Andrius Jodinskas
25	117	2   0	Rachel Hu, Nathan Beekmeyer, X
26	123	2   0	Andrius Jodinskas, Hidden4, X
27	124	0   0	X, X
28	125	3   0	Huiquan Liu, Hidden2, Hidden6, X
29	126	2   0	Tonny Sellén, Tim Gatty, X
30	131	3   0	Michael Albertson, Arturo Escorza Pedraza, Göran Åhlander, X
31	135	3   3	José Enrique Benloch Izquierdo, Byunghyun Ban, Mohamammed Benazzi, Göran Åhlander, Tim Gatty, Mohammed Benazzi
32	140	7   2	David Koeder, Lara Poe, Pierre Zakia, Patrick Liljegren, Jason Rasmussen Robert, Hidden3, Hidden, Tonny Sellén, Byunghyun Ban
33	144	5   0	Konstantinos Ntalachanis, Daniel Selikowitz, Robert Judd, Maximilian-Andrei Druță, Brian Saint-Paul, X
34	150	8   2	Konstantinos Vlachopoulos, Joseph Hayes, Elizabeth Anne Scott, Stephen Turner, Andrew Hayles, Nitish Joshi, King Fuei Lee, Nima Karimi-Busheri, Daniel Hilton, Nima Karimi-Busheri
35	164	8   1	Jim Lorrimore, Daniel Hilton, Tim Roberts, Greg Cronau, Michael Alan Burton, Chris McLaren, John Argenti, Brennan Martin, Konstantinos Ntalachanis
36	173	2   3	Tiberiu Sammak, Rickard Sagirbay, Jim Lorrimore, Joseph Hayes, John Argenti