

## **Reduction Riddles**

**Released: January 11, 2017**

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

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

**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                    |
| <b>Preliminary Norms I II (10 20)</b> | <b>Free</b>                 | <b>\$5</b>              | \$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: 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 (May 2018)/Scoreboard**

**Norm (Z-score Equation):** Prelim. Norm I (15 testees) **Based on 1<sup>st</sup> Attempts:** Raw Median: 33 Mean: 32.6  $\sigma$ : 2.5 **Split-Half Reliability:** 0.73

| <b>Correlations with other tests:</b>  | <i>Correlation between age and raw score:</i> soon | <i>Estimated minimum g loading:</i> soon | <b>Pairs (<math>\geq 3</math>)</b> | <b>Correlation</b> |
|--|--|--|------------------------------------|--------------------|
| American Mensa Battery (Wonderlic, RAIT: Crystallized, Fluid, Total Intelligence Index, Quantitative, Total Battery Intell. Index) |  |  | 12                                 | 0.83               |
| 12345  |  |  | 3                                  | 0.50               |
| OASIS  |  |  | 14                                 | -0.01              |
| Gliaweb Riddled Intelligence Test  |  |  | 5                                  | -0.28              |
| Figure   |  |  | 3                                  | -0.94              |
| Tests with 2 pairs were used also: BOANT, Wonderlic, RAIT, VAULT, CIT 4E, Hieroglyphica, FREE Fall, Anoteleia 44, Asterix          |  |  | 26                                 | 0.76               |
| For privacy, tests with only 1 score are not including on this list.   |  |  |                                    |                    |
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| <b>Norm: Raw</b> | <b>IQ (SD 15)</b> | <b>Frequency (1<sup>st</sup>   2<sup>nd</sup> Attempts)</b> | <b>Scoreboard: Testees: 16 (1<sup>st</sup>, 2<sup>nd</sup> Attempts)</b>                     |
|------------------|-------------------|---|--|
| 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               | <80               | 0   0   | X, X   |
| 11               | <80               | 0   0   | X, X   |
| 12               | <80               | 0   0   | X, X   |
| 13               | <80               | 0   0   | X, X   |
| 14               | <80               | 0   0   | X, X   |
| 15               | <80               | 0   0   | X, X   |
| 16               | <80               | 0   0   | X, X   |
| 17               | <80               | 0   0   | X, X   |
| 18               | 81                | 0   0   | X, X   |
| 19               | 85                | 0   0   | X, X   |
| 20               | 89                | 0   0   | X, X   |
| 21               | 93                | 0   0   | X, X   |
| 22               | 98                | 0   0   | X, X   |
| 23               | 102               | 0   0   | X, X   |
| 24               | 106               | 0   0   | X, X   |
| 25               | 110               | 1   0   | Rachel Hu, X   |
| 26               | 114               | 0   0   | X, X   |
| 27               | 118               | 0   0   | X, X   |
| 28               | 122               | 0   0   | X, X   |
| 29               | 126               | 1   0   | Tonny Sellén, X  |
| 30               | 130               | 0   0   | X, X   |
| 31               | 134               | 1   0   | José Enrique Benlloch Izquierdo, X   |
| 32               | 138               | 3   0   | David Koeder, Lara Poe, Pierre Zakia, X  |
| 33               | 142               | 3   0   | Konstantinos Ntalachanis, Daniel Selikowitz, Robert Judd, X                                  |
| 34               | 146               | 4   1   | Konstantinos Vlachopoulos, Joseph Hayes, Elizabeth Anne Scott, Stephen Turner, Daniel Hilton |
| 35               | 150               | 3   1   | Jim Lorrimore, Daniel Hilton, Tim Roberts, Konstantinos Ntalachanis                          |
| 36               | 154               | 0   2   | X, Jim Lorrimore, Joseph Hayes   |