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| **Comprehension/Knowledge (Gc)** | | | |
| Oral Vocabulary vs General Information | | | |
| **Test** | **Narrow Abilities** | **Input** | **Output** |
| 1: Oral Vocabulary | Lexical knowledge (VL)  Language development (LD) | Auditory (words) | Oral (words) |
|  |  |  |  |
| 8: General Information | General (verbal) information (KO) | Auditory (questions) | Oral (phrases, sentences) |
|  | | | |
| **Fluid Reasoning (Gf)** | | | |
| Number Series vs Concept Formation | | | |
| **Test** | **Narrow Abilities** | **Input** | **Output** |
| 2: Number Series | Quantitative reasoning (RQ)  Induction (I) | Visual (numeric) | Oral (numbers) |
|  |  |  |  |
| 9: Concept Formation | Induction (I) | Visual (drawings) | Oral (words) |
|  | | | |
| **Short-term Working Memory (Gwm)** | | | |
| Verbal Attention vs Numbers Reversed | | | |
| **Test** | **Narrow Abilities** | **Input** | **Output** |
| 3: Verbal Attention | Working memory capacity (WM)  Attentional control (AC) | Auditory (words, numbers) | Oral (words) |
|  |  |  |  |
| 10: Numbers Reversed | Working memory capacity (WM)  Attentional control (AC) | Auditory (numbers) | Oral (numbers) |
|  | | | |
| **Cognitive Processing Speed (Gs)** | | | |
| Letter-Pattern Matching vs Pair Cancellation | | | |
| **Test** | **Narrow Abilities** | **Input** | **Output** |
| 4: Letter-Pattern Matching | Perceptual speed (P) | Visual (letters) | Motoric (circling) |
|  |  |  |  |
| 17: Pair Cancellation | Perceptual speed (P)  Spatial scanning ( Gv-SS)  Attentional control (Gwm-AC) | Visual (drawings) | Motoric (circling) |
|  | | | |
| **Auditory Processing (Ga)** | | | |
| Phonological Processing vs Nonword Repetition | | | |
| **Test** | **Narrow Abilities** | **Input** | **Output** |
| 5: Phonological Processing | Phonetic coding (PC)  Word fluency (Glr-FW)  Speed of lexical access (Glr-LA) | Auditory (words) | Oral (words) |
|  |  |  |  |
| 12: Nonword Repetition | Phonetic coding (PC)  Memory for sound patterns (UM  Memory span (Gwm-MS) | Auditory (nonsense words) | Oral (words) |

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| **Long-term Retrieval (Glr)** | | | |
| Story Recall vs Visual-Auditory Learning | | | |
| **Test** | **Narrow Abilities** | **Input** | **Output** |
| 6: Story Recall | Meaningful memory (MM)  Listening ability (Gc-LS) | Auditory (text) | Oral (passages) |
|  |  |  |  |
| 13: Visual-Auditory Learning | Associative memory (MA) | Visual (rebuses)  Auditory (words) | Oral (sentences) |
|  | | | |
| **Visual Processing (Gv)** | | | |
| Visualization vs Picture Recognition | | | |
| **Test** | **Narrow Abilities** | **Input** | **Output** |
| 7: Visualization | Visualization (Vz) | Visual (shapes, designs) | Oral (letters) or  Motoric (pointing) |
|  |  |  |  |
| 14: Picture Recognition | Visual memory (MV) | Visual (pictures) | Oral (words) or  Motoric (pointing) |
|  | | | |
| **Quantitative Reasoning** | | | |
| Number Series vs Analysis-Synthesis | | | |
| **Test** | **Narrow Abilities** | **Input** | **Output** |
| 2: Number Series | Quantitative reasoning (RQ)  Induction (I) | Visual (numeric) | Oral (numbers) |
|  |  |  |  |
| 15: Analysis Synthesis | General sequential reasoning (RG) | Visual (drawings) | Oral (words) |
|  | | | |
| **Auditory Memory Span** | | | |
| Memory for Words vs Sentence Repetition | | | |
| **Test** | **Narrow Abilities** | **Input** | **Output** |
| 18: Memory for Words | Memory span (MS) | Auditory (words) | 0ral (words) |
|  |  |  |  |
| Sentence Repetition |  |  |  |
|  | | | |
| **Number Facility** | | | |
| Numbers Reversed vs Number-Pattern Matching | | | |
| **Test** | **Narrow Abilities** | **Input** | **Output** |
| 10: Numbers Reversed | Working memory capacity (WM)  Attentional control (AC) | Auditory (numbers) | Oral (numbers) |
|  |  |  |  |
| 11: Number-Pattern Matching | Perceptual speed (P) | Visual(numbers) | Motoric (circling) |
|  |  |  |  |

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| **Perceptual Speed** | | | |
| Letter-Pattern Matching vs Number-Pattern Matching | | | |
| **Test** | **Narrow Abilities** | **Input** | **Output** |
| 4: Letter-Pattern Matching | Perceptual speed (P) | Visual (letters) | Motoric (circling) |
|  |  |  |  |
| 11: Number-Pattern Matching | Perceptual speed (P) | Visual (numbers) | Motoric (circling) |
|  | | | |
| **Vocabulary** | | | |
| Picture Vocabulary vs Oral Vocabulary | | | |
| **Test** | **Narrow Abilities** | **Input** | **Output** |
| Picture Vocabulary | Lexical knowledge (VL) | Visual (pictures) | Oral (words) |
|  |  |  |  |
| 1: Oral Vocabulary | Lexical knowledge (VL)  Language development (LD) | Auditory (words) | Oral (words) |
|  | | | |
| **Cognitive Efficiency** | | | |
| Letter-Pattern Matching vs Numbers Reversed | | | |
| **Test** | **Narrow Abilities** | **Input** | **Output** |
| 4: Letter-Pattern Matching | Perceptual speed (P) | Visual (letters) | Motoric (circling) |
|  |  |  |  |
| 10: Numbers Reversed | Working memory capacity (WM)  Attentional control (AC) | Auditory (numbers) | Oral (numbers) |