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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) |
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| **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) |
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| **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) |
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| **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) |
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| 12: Nonword Repetition | Phonetic coding (PC)Memory for sound patterns (UMMemory 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) orMotoric (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) |
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| **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) |