

## Working Memory Index

- Measures the ability to store and retrieve auditory information
- Assesses the ability to memorize new information, store it in short term memory, concentrate, and use that information
- Important in higher order thinking
- Can indicate abilities/challenges related to concentration, planning, cognitive flexibility, sequencing, and self-monitoring
- Can be influenced by anxiety

### Subtest

#### Digit span – digits forward and digits backward

- Auditory short term memory
- Auditory working memory
- Attention

#### Letter-Number Sequencing

- Auditory recall
- Working memory
- Attention span
- Processing speed
- Sequencing ability

#### Arithmetic (supplemental)

- Auditory short term memory
- Auditory working memory
- Fact retrieval
- Numerical accuracy and reasoning
- Mental arithmetic ability

### Task

- Recall and recite a string of digits presented by the examiner
- Example: 2, 3, 9, 1
- Recall and recite a string of digits backwards
- Example: 24, 3, 7, 12
- Response: 12, 7, 3, 24

- Listen to and remember a series of numbers and letters and recall first, the numbers in numerical order, and second, the letters in alphabetical order
- Example: A-7-X-2-M-4
- Response: 2-4-7-A-M-X

- Give a verbal response to a mathematical problem
- Example: Tom's dinner bill was \$32.50 and he leaves a 15% tip, how much money must he leave?
- Example: How many bugs are there in the picture?

