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## Language and Working Memory Online Assessment Tool

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## Language and Working Memory Online Assessment Tool

The relationship between linguistic ability, the ability to understand and use language, and working memory, where verbal information is temporarily stored, encouraged us to explore their effects on language performance and design an online comprehensive assessment tool that addresses both language ability and working memory.

For this purpose, we modified the Token Test, a test initially created to study the ability to follow spoken instructions. For Token Test, individuals listen to the instructions and touch or move the shapes displayed to them. Our proposed systematic language and working memory Token Test consists of two parts. The first part assesses the working memory by employing sentences that gradually increase in length. The second part assesses language ability by embedding sentences of diverse linguistic constructions. This tool will provide a more thorough demonstration of language performance and help to detect developmental language disorder (DLD). DLD affects language-related activities, such as learning.

Word count: 149 words

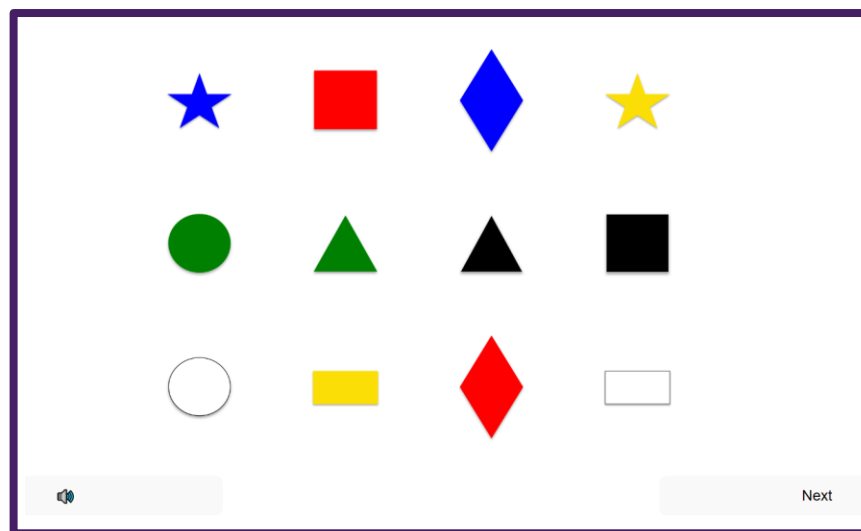


Figure 1. Language and Working Memory Token Test (Example: item.1.4- Move a star)