

SOI tests may test for all areas (depends on type of test taken).

Academic Skill	Curricular Area	Strengths if ability is well-developed	Consequences if ability is not developed
Visual Closure	Reading Readiness	Excellent comprehension of visual details	Will not see word completely; susceptible to reversals
Visual Conceptualization	Reading Readiness	Good foundation for conceptualization	Difficulty with classification will be inhibited in science
Constancy of object in space	Mathematics	Able to see spatial relationships	Difficulty manipulating spatial relationships
Spatial Conservation	Mathematics	Able to orient object in space; good perspective	Difficulty with perspective; will be inhibited in geometry
Notational Relations	Arithmetic/Mathematics	Able to see symbolic interrelationships	Difficulty with “discovery” method; relationships not seen.
Notational Progressions	Arithmetic/Mathematics	Good command of arithmetic facts	Poor arithmetic foundation; weak on arithmetic “facts.”
Vocabulary	Reading & Language Arts	Understands meanings and nuances	Will have “word holes” in sentences.
Verbal Relations	Reading & Language Arts	Able to see verbal associations and interconnections	Difficulty with the “discovery” method; poor at analogies
Extended Verbal Comprehension	Reading & Language Arts	Able to understand complicated verbal information	Inability to “track” long or involved sentences and instructions
Memory for Visual Details	Reading & Language Arts	Able to remember incidental information	Weak in memory for details
Visual Attending	Reading Readiness	Good memory for visual details; memory for symbols	Difficulty with spelling; may lose visual concentration
Visual Sequencing	Reading Readiness	Good memory for visual sets series and sequences	Will not be able to “hold” and process or sequence data
Auditory Attending	Arithmetic	Good with auditory details; memory for symbols	May have auditory discrimination problems
Inferential Memory	Mathematics	Able to hold information for symbolic reasoning	Problems “holding” unconnected facts until implication found
Semantic and Verbal Memory	Reading & Language Arts	Able to remember and draw implications	Difficulties seeing connections in reading material
Visual Discrimination	Reading Readiness & Spelling	Able to make visual judgments	May mistake letters ‘b’ for ‘d’ or omit small words in sentences
Judging similarity of concepts	Reading Readiness	Foundation for good organization and classification	Problems with similarities and differences; how reading comprehension
Notational Concepts	Arithmetic/Mathematics	Able to conceptualize symbolic data	Difficulty using “set” concepts; difficulty with “new math” approach
Notational Processes	Arithmetic/Mathematics	Good at selecting numerical processes	Susceptible to “math anxiety” due to inability to handle ambiguity
Psycho-motor Coordination	Writing	Neat and careful with details	May be slow at work requiring coordination of hand and eyes
Application of Numerical Facts	Arithmetic	Good command of arithmetic processes	Difficulty with “seeing” arithmetic solutions
Speed of word recognition	Reading	Able to scan data rapidly; excellent for programming	Will lose place while reading; skipping words or lines
Form Reasoning and Logic	Mathematics	Able to utilize good reasoning and logic	Will have difficulty with “thought” problems
Creativity with Things	Spatial/Graphic Arts	Good fluency and confidence with ideas	Will be inhibited in tasks without explicit instructions
Creativity with Notation Relations	Mathematics/Programming	Confidence and willingness with ideas	Difficulty assimilating new math concepts; “timidity” in exploring solutions
Creativity with Word and Ideas	Creative Writing	Ability to produce ideas and put them together	Will be slow and/or pedantic in writing; probably poor in composition

* From SOI form CR results sheet.

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