

Purpose of the Test

Forms 7 and 8 of the *Cognitive Abilities Test*[™] (*CogAT*[®]) appraise the level and pattern of verbal, quantitative, and spatial (nonverbal) reasoning abilities for students from kindergarten through grade 12. These abilities reflect the overall efficiency of cognitive processes and strategies that enable individuals to learn new tasks and solve problems. Because these abilities are closely related to an individual's success in school in virtually all subjects, *CogAT* test results are helpful in planning effective instructional programs and adapting instruction in ways that enhance the student's chances of success in learning.

Structure of the Test

Each of the three *CogAT* batteries—Verbal, Quantitative, and Nonverbal—has three subtests. The abilities appraised are those that enable students to acquire, organize, store in memory, and recall information; to make inferences; to detect relationships; to comprehend and analyze problem situations; to form concepts; to discover and remember sequences; to recognize patterns; to classify or categorize objects, events, and concepts; to infer rules and principles; and to relate and use previous experience to accomplish new learning tasks or solve novel problems. All three of the batteries have been designed to appraise not only both general inductive and deductive reasoning abilities, but also specific reasoning abilities that are unique to each battery.

The test is divided into 10 levels that increase in difficulty from Level 5/6 (typically used in kindergarten) through Level 17/18 (appropriate for late high school).

Levels of CogAT

Form 7/8 Level	Typical Grade Level
5/6	K
7	1
8	2
9	3
10	4
11	5
12	6
13/14	7–8
15/16	9–10
17/18	11–12

Subtests by Battery

Verbal	Quantitative	Nonverbal
Picture/Verbal Analogies	Number Analogies	Figure Matrices
Sentence Completion	Number Puzzles	Paper Folding
Picture/Verbal Classification	Number Series	Figure Classification

Grades 3–12 (Levels 9–17/18)

Levels 9 through 17/18 of *CogAT* are designed for students in grades 3 through 12. Level 9 transitions from the picture-based, teacher-paced, verbal and quantitative subtests used with students in grades K–2 to the text- and numeric-based, timed, verbal and quantitative subtests used at the upper grades. Children are allowed to pace themselves through each subtest, but all subtests have a 10-minute time limit. The student must read individual words on two subtests in the Verbal Battery (Verbal Analogies and Verbal Classification) and a sentence in the third (Sentence Completion). The three subtests in the Quantitative Battery are Number Series, Number Analogies, and Number Puzzles. The first two formats are commonly used on ability tests. The latter is a novel format that requires students to determine the values of one or more geometric shapes that make a simple equation true. The three subtests of the Nonverbal Battery are Figure Matrices, Paper Folding, and Figure Classification, which were all described above for the Levels 5/6, 7, and 8 tests.