

## CogAT Information

The results of the recent CogAT, in conjunction with other assessment tools, inform us of academic areas where additional help or acceleration for students may be needed, helping teachers and parents develop strategies to work with a child on instructional goals. These test results are used as one criterion with which the Highly Capable selection team will identify students for the district's Highly Capable Program (AGATE).

The test has three parts: **picture analogies**, **number analogies**, and **figure analogies**, designed to provide a snapshot of a student's reasoning skills without requiring English language skills so all students would be able to be assessed more equitably. This is not an achievement test or a test one could study for.

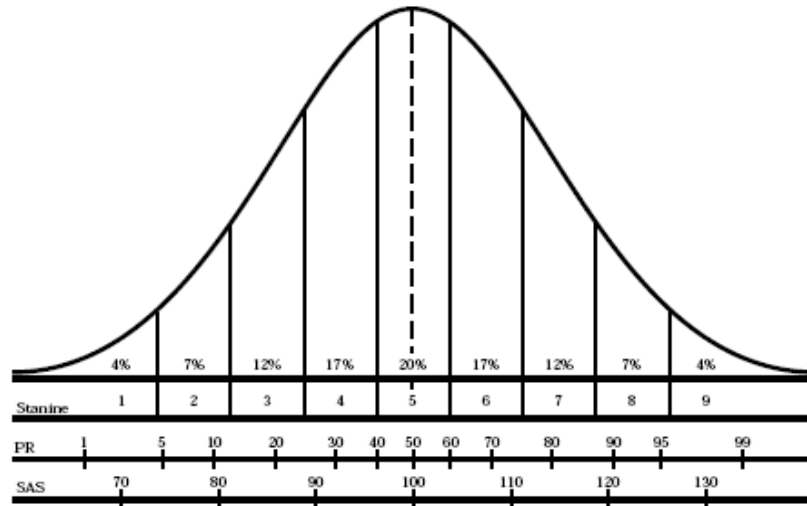
**Picture:** For the Primary Edition, the Picture Analogies subtest is comprised of all picture-based items which tap into verbal reasoning processes without tying items to a specific language; verbal reasoning aptitudes are associated with reading and written expression.

**Number:** The Number subtest has been adapted for young students by couching quantitative reasoning challenges in engaging and accessible formats for young students. The Number Analogies task for primary children relies on picture-based quantitative concepts rather than numeral representation. This format has been extensively tried out with students and has been found to be engaging and to tap into important quantitative reasoning skills associated with math reasoning.

**Figure:** The Nonverbal Battery is comprised of the Figure Analogies test. The Figure subtest contains three figures in an analogy ( $A \rightarrow B: C \rightarrow \langle \rangle$ ) that the student must complete. This assessment addresses a student's aptitude toward visual / spatial experiences without the limitation of English language skills

A child's overall **SAS** score gives us a broad assessment of the three areas integrated within one profile. The highest score a student may earn is a 150 and the average score is a 100. This score may best be understood through percentages as demonstrated in the bell curve developed by Riverside Publishing, the company responsible for the CogAT.

The development of these abilities begins at birth and continues through early adulthood so each student's performance may be influenced by both in-school and out-of-school experiences and only provides one brief snapshot related to a child's reasoning abilities.



**For example, the following scores can be read as follows:**

**125**= only 5% of students taking this test nationally scored higher, **110**= only 27% of students scored higher, **100**=50% scored higher and 50% scored lower, **80**=90% of the students scored higher compared to students taking the same test nationally.

Within the North Kitsap School District, the CogAT assists in identifying students for AGATE / Highly Capable support as one source of information guiding this process.