



CogAT: Ability Insights for All Educators

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Sr Assessments Consultant

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- Cognitive Abilities Test (CogAT)
- DataManager
- Q&A





A Tradition of Assessment Excellence

- Dedicated to provide finest testing products and services
- Recognized leader in assessment publishing industry
- Decades of research-based design and format experience
- Assessments administered to millions of students
- Proven portfolio of valid and reliable tools to monitor individual growth and improve instruction









Riverside Family of Assessments

Complete solution for measuring Performance, Potential, Personalized Learning, and Growth



- The gold standard of skill assessment
- Evaluate program effectiveness
- Advanced Online Reporting
- Measure impacts on student growth



- Test what you teach as you teach
- Monitor mastery of concepts throughout the school year
- K-1 standards level reporting



Abilities

- Measure student ability & potential
- Understand how students prefer to learn
- Guide decisions on program placement aligned to student needs



Diagnostic

- Determine student readiness for Algebra I
- Interactive, online reporting
- Measure pre-algebraic concepts, math information interpretation, relationship representation, & symbol usage
- High IAAT score correlation to predictability of Algebra I course grades



Cognitive Abilities Test - CogAT



Value of Ability Information

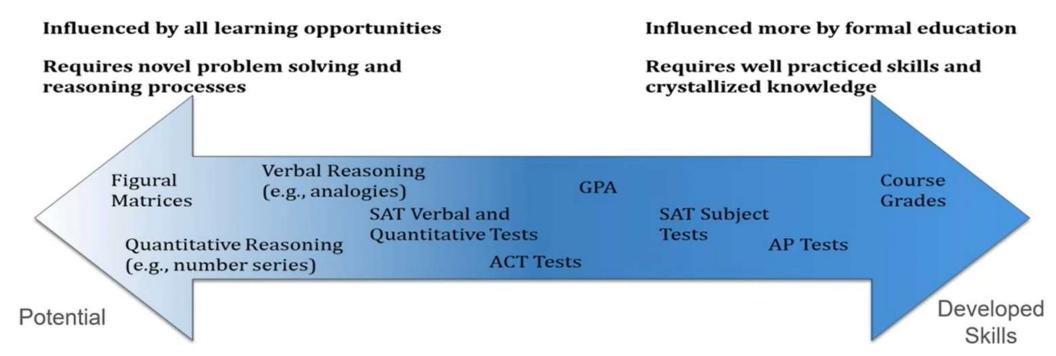


- Provides another perspective on student potential
 - Achievement Test: what a student knows
 - Ability Test: potential, how quickly/easily students
 can learn
- Use ability data to accelerate learning and close gaps for all students
- What students can learn more independently?
- Which students need skill building vs. conceptual guidance?

CogAT scores provide information about the pace of instruction, complexity, and degree of structure that will be most effective for the student.

Ability vs. Achievement



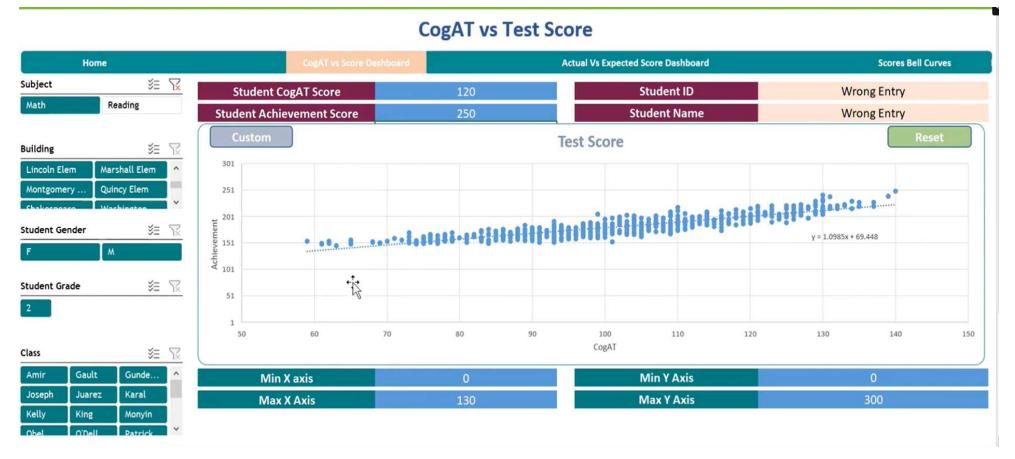


Ability vs. Achievement



Measuring ability allows you to unlock insights about student potential.

Teachers can tailor instruction to match how students learn, consider students for enrichment



CogAT® Form 7



- Co-developed with *Iowa Assessments*
- Authored by renown expert Dr. David Lohman, Professor Emeritus at the University of Iowa
 - Winner of the National Association of Gifted Children's Paper of the Decade Award 2000-2010
- Today, Dr. Joni Lakin is Co-Author
 - Associate Professor at University of Alabama

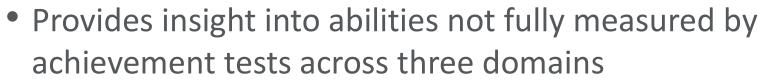




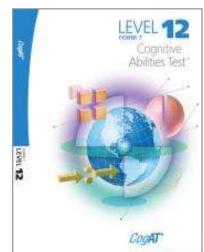
CogAT Form 7



- CogAT is the most highly regarded and widely used group-administered abilities test
 - The most current and updated test of student abilities in kindergarten – grade 12
 - Superior technical qualities



- Verbal
- Quantitative
- Nonverbal/Figural



Provides insight for differentiation:

- Pace of Instruction
- Complexity
- Degree of Structure

CogAT Form 7

CogAT®

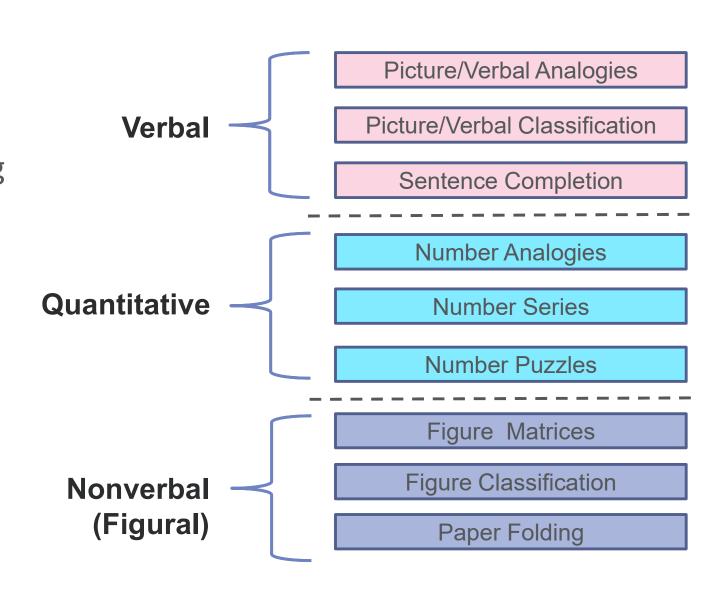
- Bright 4-color design
- Completely revised to be more "ELL friendly"
 - Levels 5/6 8 (grades K 2) bilingual primary battery
 - 8 of 9 subtests use only pictures, shapes and integers
 - Online testing: test directions in 8 languages
 - Paper/Pencil: Spanish and English directions
- Untimed kindergarten 2nd
- 90 minutes 3rd grade +
- 2017 Norms
- Provides predicted achievement scores when administered with Iowa



CogAT Batteries



- Measures general and abstract inductive and deductive reasoning
- Across 3 areas of cognitive reasoning
- Three subtests
 within each battery
- Helps teachers to adapt instruction so all students can succeed



Age-Based Level Designations

Form 7 Level Designations	Approximate US Grade Levels
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

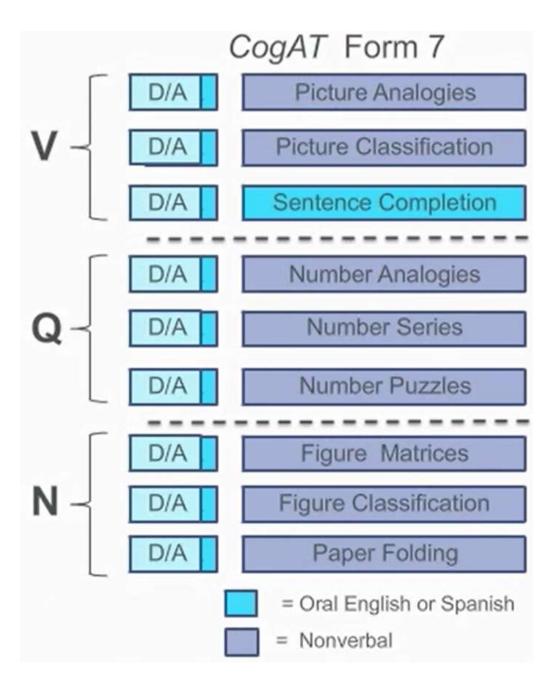
NOTE:

Students must use the same **Test Level** for the lowa and the CogAT when using a combined answer document.

Primary Grades K-2: Subtests

Hallo Welt!
Hej Värld! Hello World!
Ciao Modo
ハローワールド!
iOlá mundo!世界您好!
Salut le Monde!

- Picture-based items
- No language load for English and Spanish speakers
- Printed test directions in English and Spanish
- 8 audio languages for online test directions
 - English
 - Spanish
 - Arabic
 - Cantonese
 - Mandarin
 - Russian
 - Somali
 - Vietnamese



Primary Grades K-2: Subtests

CogAT®

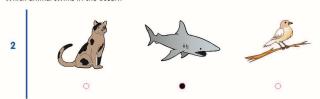
Verbal

Levels 5/6-8-Verbal Battery-Picture Analogies

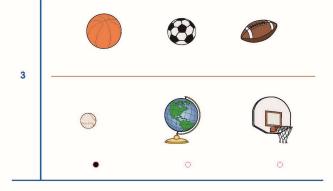


Levels 5/6-8—Verbal Battery—Sentence Completion

Which animal swims in the ocean?

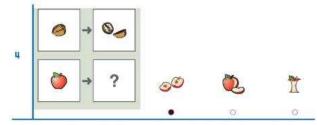


Levels 5/6-8—Verbal Battery—Picture Classification

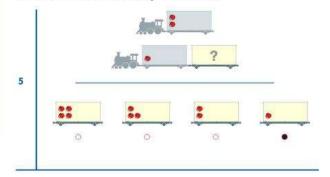


Quantitative

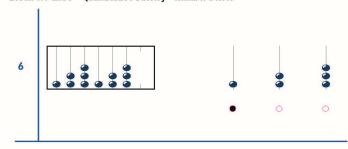
Levels 5/6-8—Quantitative Battery—Number Analogies



Levels 5/6 and 7—Quantitative Battery—Number Puzzles

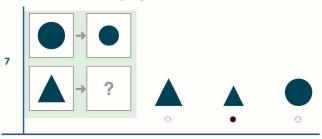


Levels 5/6 and 7—Quantitative Battery—Number Series

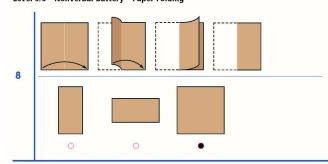


Figural / Nonverbal

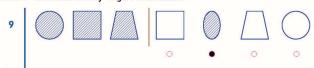
Levels 5/6-8—Nonverbal Battery—Figure Matrices



Level 5/6—Nonverbal Battery—Paper Folding

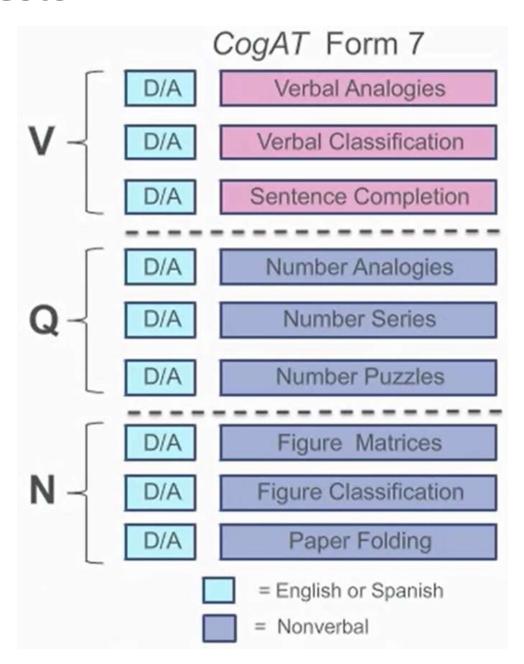


Level 8-Nonverbal Battery-Figure Classification

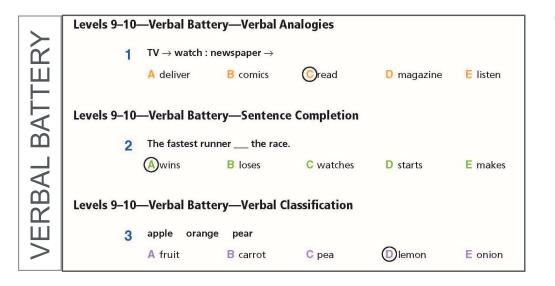


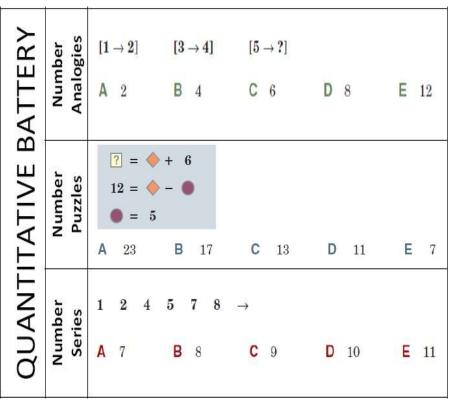
Grades 3 - 12: Subtests

- Paper/Pencil test directions available in English or Spanish
- 8 audio languages for online test directions
 - English
 - Spanish
 - Arabic
 - Cantonese
 - Mandarin
 - Russian
 - Somali
 - Vietnamese



Grades 3 - 12: Subtests





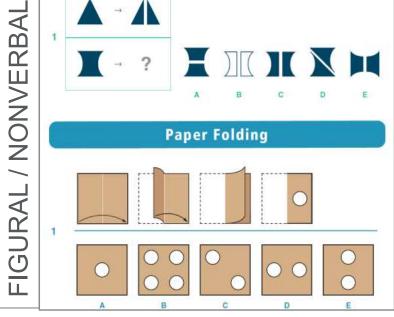
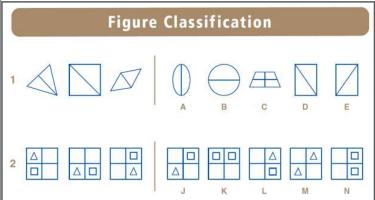


Figure Matrices



Administration



Flexibility for different schools' needs

Option 1: Paper and Pencil Testing with Central Scoring

- Administer tests on Riverside's answer documents or within scannable test books then ship to Riverside Insight Scoring Service
- Access to web-based reports in *DataManager* within 10 days after receipt of testing materials
- Or, paper-based reports shipped out with 10 days after receipt of testing materials

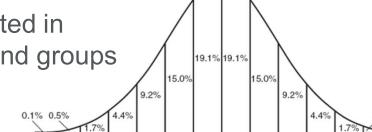
Option 2: Online Testing

- Students may use PCs, Macs, iPads or Chromebooks
- Administer tests online with access to online reports in *DataManager* within 24-48 hours after closure of test event
- Successful completion of system check and training are required
- Online Testing? Contact: ACSI at OnlineTesting@acsi.org

Norm Referenced Scores for CogAT

CogAT®

 CogAT scores may be compared and evaluated in multiple ways within and between students and groups



National norms:

Grade Norms

Compare scores to those of a nationally representative sample of students in the same grade for Fall, Midyear, and Spring

- Our expectations for students differ across periods of the school year

Age Norms

Compare scores to those of a nationally representative sample of students of the same age, using one-month intervals

Age-related developmental differences affect our expectations for students,
 particularly in the early grades

Local Norms

- Created from the distribution of standard age scores for the group within your system that is tested and scored at the same time
- Scores by individual Battery V, Q, N

Ability Profile Scores



Every student assessed with *CogAT* Complete receives an Ability Profile score that highlights both the level and pattern of a student's ability. *CogAT* is unique in offering this score that provides educational guidance for all students, not just high-ability ones.

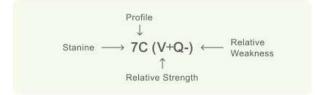
Educators can visit www.cogat.com, plug in a student's profile, and receive:

- General characteristics of learners with this profile
- Instructional strategies tailored to the individual profile
- Additional lists of resources and support materials

Ability Profile Finder

Cognitive Abilities Test™ (CogAT®) Form 7 and Form 8





Directions

Enter a student's Stanine and Profile type in the appropriate drop down boxes from left to right (see sample for clarification). Select the student's Ability Profile from the resulting options below the drop down boxes.

www.CogAT.com





Resources for Parents

Test Result

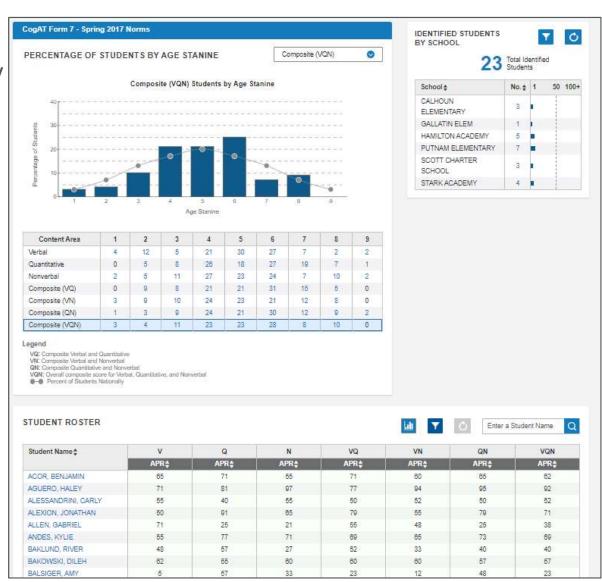
Profile 7C (V+ Q-)

About This Type of Learner	0
Typical Areas of Strength	0
How These Learners Learn Best	0
Potential Areas of Challenge	0
Strategies to Support These Learners	0

CogAT Dashboard Reporting



- CogAT dashboard offers easily accessed interactive functionality for greater visibility into the data providing insights relevant to all levels of educators and administrators
- The CogAT Dashboard, enables educators to become more engaged with the vital information CogAT provides – to fully realize the value of this unique tool



New! Differentiated Instruction Report

- Differentiated instruction guidance for individuals and groups of students
- Informs pace of instruction, complexity, and degree of structure that will be most effective

Profiles 4A, 5A, 6A
Differentiated Instruction Report:

Directinated instruction report.

Grade/Level: Grade 3 / Level 9
Test Date: 07/01/2019 - Spring 2019

Class: Avinger

School: GRANITE BAY ACADEMY

District: SOUTHVIEW



Students

ANUMAKONDA, JULISSA DEETJEN, ALEXANDR KOEPCKE, KALEB WELLS, PRISCILL

Recommendations

Profile Explanation

Students with these profiles have consistently low-average (stanine 4), average (stanine 5), or high-average (stanine 6) scores on CogAT. An "A" profile means that the scores are at about the same level on the verbal, quantitative, and nonverbal (spatial) reasoning batteries.

Characteristics of Students with These Profiles

Profile 4A to 6A students have adequate cognitive resources for learning in most academic situations. Although the majority of these students have similar levels of achievement in all academic areas, some show high levels of interest and achievement in particular domains. Because their knowledge base is often not extensive or well organized in memory, these students may encounter difficulty recalling and applying their knowledge and skills to accomplish unfamiliar tasks. By middle school, students with average levels of reasoning abilities typically have developed a number of learning and problem-solving strategies. Often, these strategies are fairly context-bound, so these students may not always choose the most effective strategy for a task. Their flexibility is limited, and, if they try a strategy that does not work, they may not know what to do next. Profile 4A to 6A students need help to achieve objectives requiring transfer such as high-level reading comprehension skills, problem solving, and critical thinking.

Instructional Suggestions for Profiles 4A, 5A, 6A

Build on Strength. Since these students have comparable levels of verbal, quantitative, and spatial reasoning abilities, strengths will be primarily evident in interests, and, to a lesser extent, in levels of achievement in particular domains. At all ages, but especially during adolescence, students strive to achieve individuality. One route is through recognition of excellence from peers and adults. Although such recognition is commonly attained through nonacademic activities such as sports, music, and other extracurricular activities, teachers should find ways to encourage student's particular academic accomplishments. Profile 4A to 6A students can be recognized for their high levels of knowledge in particular domains. Sometimes they excel in other ways, such as in leading discussions, presenting reports, creating science projects, writing essays, or assisting other students in learning. Finding and nourishing the islands of excellence in all student's schoolwork spreads encouragement.

Focus on Working Memory. Students with levels of reasoning abilities that are typical for their age frequently must learn at the limits of their working memories, especially when tasks are new or require the simultaneous execution of several processes. Changes in instructional methods that reduce these burdens on working memory can, therefore, have a significant impact on their success in learning. For example, if a task involves comparing two concepts, it will be much easier if both are simultaneously in view. Have students put all the needed information in one place—on a single sheet of paper or a single concept map.

Educators can also reduce working-memory burdens for these students by using familiar concrete concepts rather than unfamiliar abstract symbols. Familiarity is greatest for overlearned concepts and skills. Practice on low-level skills can free working memory for higher-level processing. Monitoring themselves as they execute a skill is especially troublesome for these students, particularly in the primary grades. Offloading monitoring to another individual by having students work in pairs can be especially effective early in the process of acquiring a new skill or strategy.

Scaffold Wisely. Students with all average scores tend to learn more effectively in school environments that are somewhat, but not highly, structured. These students tend to learn best when instruction is moderately paced and



PROFILE NARRATIVE FOR AIDEN BAGSBY

Cognitive Abilities Test™ (CogAT®)

Class: Class 1
Building: Building 1
District: Clarict 1
System: System 1
Region: Region 1
State: State 1

Student: Baysby, Aiden Student ID: 0000147548 FormA.evel: 7-9 Test Date: 10/2013 Norms: F8I 2011 Grade: 3

	, ,	Age Score	es	APR Graph					
Abilities	Standard Age Score	Age Stanine	Age Percentile Rank		25 50 75				
Verbal	108	6	66		SHECKED.				
Quantitative	96	4	35		(IIIICXIIII)				
Nonverbal	94	4	31		OCCUPATION				
Composite (VQN)	99	5	44		onexio				

ANAMAYO	F	Raw Score	es	Grade	Scores	Local Scores		
Abilities	Number of Items	Number Alt.	Number Correct	Grade Stanine	Grade Percentile Rank	Local Stanine	Local Percentile Rank	
Verbal	62	62	52	6	69	6	75	
Quantitative	52	52	32	4	38	5	44	
Nonverbal	56	56	36	4	34	4	40	
Composite (VQN)				5	47	5	53	

Aiden's ability profile is 5A. Visit www.cogat.com for more detailed information on profile 5A. Click on the "Interactive Profile Interpretation System" button. Enter 5A in the "Input Your Score Profile" section. Click "Search".

Overview

Aiden recently took the Cognitive Abilities Test (CogAT). CogAT measures the development of verbal, mathematical, and spatial reasoning abilities that are essential for success in school. Students with different patterns of scores on CogAT have different learning styles. By knowing Aiden's learning preferences, teachers can help him achieve greater success in school.

Aiden's Profile of Test Scores

Aiden's scores on the three batteries do not differ significantly. All three of his scores are in the range typically observed in students of this age. For students who have reasoning scores in the average range, the following steps may be helpful:

- Build on Aiden's strengths by encouraging academic accomplishments in areas that interest him.
- Point out how new skills and information build on knowledge and skills Aiden already has.
- Show Aiden how to break complex tasks into simpler steps. Model the steps as you
 explain them. Write the steps on a sheet of paper and let Aiden work with a partner to follow
 them.
- Teach Aiden study skills such as planning use of time, formulating questions to guide study, and taking notes.

More Information on Aiden's Scores

The sections to the left explain Aiden's performance using different types of comparisons and score scales.

- The Age Scores section compares his performance to students across the nation who are also 8.6 years old.
- The Grade Scores section compares his performance to students across the nation who are also in grade 3.
- The Local Scores section compares his age score performance to students in your local area who are also in grade 3.

Each of these sections includes one or more scores. The Stanine reports Aiden's performance on a scale from 1 (lowest) to 9 (highest). The Percentile Rank indicates the percentage of students in each comparison group whose scores fell below the score obtained by Aiden.



LIST OF STUDENT SCORES

Cognitive Abilities Test™ (CogAT®)

Class: Class 1 Building: Suilding 1 District: District 1 System: System 1

Form-Level; 7-9 Test Date: 10/2013 Norms: Fall 2011 Region: Region 1 State: State 1

Grade: 3

Page: 1

Order#; UUUUUUU

STUDENT NAME ID Number 1 ID Number 2 ABCDEF G H I J	Birth De Age Program K L M	Form		er)	No. of Items		Raw Score	uss		AGE ORE: PR	88I	GRADE SCORES PR S		10 2:	APR	t Profile Graph	90 3	Profile
Barajas, Santiago coccisis842	03/05 08-07	9	(h/b	Verbal Quantitative Nonverbal Composite (VQN)	62 52 56	62 50 56	‡28 24 18	178 230 245 218	99 134 139 131	48 98 99 97	5 9 9	35 4 97 9 99 9 95 8	48 98 99					9E (V-)
Bagsby, Aiden 0600147548	04/05 08-06	9	(M)	Verbal Quantitative Nonverbal Composite (VQN)	62 52 56	62 52 56	58 45 40	251 236 213 233	123 112 131 124	92 77 97 93	9 9 7 9	99 9 98 9 96 7 99 9	99 99 88				•==	9E (N-)
Delgado, Cira 0000133627	09/04 08-11	7	(F)	Verbal Quantitative Nonverbal Composite (VQN)	62 52 56	62 47 55	27 29 38	177 191 207 192	91 104 112 103	60	6 7 7 6	59 7 63 7 71 5 65 6	29 60 77		•			68 (V-)
Brigerton, Ryan 6000152887	12/84 09-02	9	(54)	Verbal Quantitative Nonverbal Composite (VQN)	62 52 56	62 52 56	48 32 31	210 195 191 199	118 109 101 110	87 71 52 73	7 6 5 6	89 8 73 6 54 5 76 6	87 71 52				•	6C (V+N-
Sullivan, Reagan 0000142610	11/04 09/01	9 7	(F)	Verbal Quantitative Nonverbal Composite (VQN)	62 52 56	62 52 56	43 28 32	199 190 193 194	108 102 101 104	69 55 62 60	6 5 5	77 7 63 6 59 6 67 6	69 55 52					5A
Frazier, Emma 0000131198	07/05 -08-03	9	(F)	Verbal Quantitative Nonverbal Composite (VQN)	62 52 56	62 52 56	30 •10 20	180 165 173 173	97 81 89 88	43 12 25 23	5 3 4 3	40 4 7 2 20 3 21 3	43 12 25					4C (V+O
Gambosi, Olivia cccc145021	08/05 08-04	9	(F)	Verbal Quantitative Nonverbal Composite (VQN)	62 52 56	62 52 56	26 15 30	176 173 189 179	98 94 97 88	23 16 43 23	3 3 5 3	31 4 21 3 50 6 32 4	23 16 43					38 (N+)
Kuehn, Payton 0000151250	01/05 08-09	9.7	3F)	Verbal Quantitative Nonverbal Composite (VQN)	62 52 56	62 52 56	56 45 43	239 226 224 233	136 133 124 136	99 98 93 99	9 9 8 9	98 9 99 9 93 8 99 9	99 98 93					SA.
Zheng, Li 0000199927	10/04 09-00	9.7	(%)	Verbal Quantitative Nonverbal Composite (VQN)	62 52 56	62 52 56	•9 19 •8	150 179 149 159	71 99 68 76	3 48 2 7	1 5 1 2	1 1 36 4 1 1	3 48 2	1				1E (Q+)

^{. =} Targeted scare, # = Inconsistent response pattern

Digital Resource Library

- Use resources to
 - Plan for testing
 - Download practice activities
 - Understand reporting options
 - Interpret test results
- Enhanced suite of ancillary materials
 - Free in the DataManager platform
 - CogAT Practice activities
 - Planning and Implementation Guide
 - Web Reporting Guide
 - Score Interpretation Guide
 - NEW! Guide for Teachers
 - Provides instructional guidance
 - Build on strengths
 - Shore up weaknesses



DataManager - One Platform



DataManager - One Platform

DataManager is your online resource for streamlining the management of your assessment program using:

- Iowa Assessments
- IowaFlex
- CogAT Test
- Logramos

Preparing for Testing

- Construct and manage student rosters
- Create events
- Assign students
- Provides step-by-step guidance through ancillaries

Administering Tests

- Supports central scoring of answer documents
- Includes roster and bar code file templates and instructions
- Supports online test administration
- Provides guidance through Directions for Administration



Interpreting Results

- Provides guidance through digital resources
- Links to next steps, such as making adjustments to curriculum or grouping learners
- Enables targeted instruction via Lexile and Ouantile measures

Reporting

- Delivers web-based reports
- Combines results from different assessments
- Enables disaggregation of results
- Enables local printing of reports
- Allows exporting of results

CogAT info at your.acsi.org/CogAT





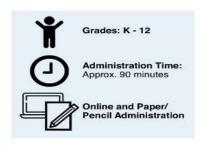


The Market-Leading Ability Test

CogAT: Cognitive Abilities Test

Ability Data: Bridging the Gap Between Student Potential and Student Achievement

CogAT is the most trusted assessment for measuring students' capacity to learn.







Benefits:

- Age-specific (in years and months), up-to-date national norms and local norms calculated to the same exacting standards
- Detailed information on students' Verbal, Quantitative, and Figural (Nonverbal) reasoning



Quoting Tools

Professional Development

Explore Our Videos

Events Page

Online Testing

Spring and Fall

Scoring and Reporting

To gain the rich insights into student abilities that CogAT offers, you can choose from a variety of reports that serve the needs of different stakeholders, from families to teachers to administrators. Watch the videos below to learn more about the new CogAT Reporting Dashboard.

Reporting Options: Age and grade normative scores, local norms, separate and composite scores for ability batteries, and the Ability Profile Score provide multiple data points for use in identification and instruction.



The CogAT Dashboard Administrator Preview



The CogAT Dashboard Teacher Preview



Contact Information

Questions for Association of Christian Schools International?

Lisa Chubbic, ACSI Assessment Program Manager AssessmentSupport@acsi.org 719.867.0139

Interested in testing online?

Gina Kinnard, ACSI Assessment Program Coordinator OnlineTesting@acsi.org 719.867.0246



Looking For More Information?

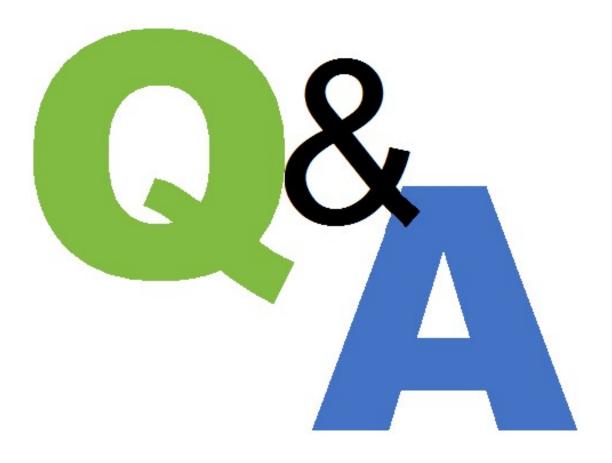


For more information about lowa Assessments and CogAT, go to www.purposefuldesign.com

Select Assessment Support, then Iowa Assessments

- Materials Pricing Tool
- Scoring Cost Estimation Tool
- Quick Facts
- Product Information
- Complete the Connect with Us form
- Program Details

For additional assistance, contact ACSI Care Team careteam@acsi.org
800-367-0798







Thank You!