

Understanding and Interpreting the Iowa Assessment and CogAT



Iowa Assessments



CogAT

Cognitive Abilities Test

Iowa

Grade
Equivalency

Stanine

Percentile



Iowa Assessments	Test Scores			NPR Graph						
	GE	NS	NPR	1	10	25	50	75	90	99
Reading	6.4	8	90	[Bar chart showing 90th percentile]						
Written Expression	8.7	9	97	[Bar chart showing 97th percentile]						
Conventions of Writing	4.5	6	67	[Bar chart showing 67th percentile]						
Vocabulary	5.5	7	87	[Bar chart showing 87th percentile]						
READING TOTAL	6.0	8	90	[Bar chart showing 90th percentile]						
ELA TOTAL	6.6	8	95	[Bar chart showing 95th percentile]						
Word Analysis				[Bar chart showing 0th percentile]						
Listening				[Bar chart showing 0th percentile]						
EXTENDED ELA TOTAL				[Bar chart showing 0th percentile]						
Mathematics	6.2	8	94	[Bar chart showing 94th percentile]						
Computation	4.1	5	57	[Bar chart showing 57th percentile]						
MATH TOTAL	5.4	8	90	[Bar chart showing 90th percentile]						
CORE COMPOSITE	5.9	8	93	[Bar chart showing 93th percentile]						
Social Studies	5.2	7	80	[Bar chart showing 80th percentile]						
Science	6.2	7	87	[Bar chart showing 87th percentile]						
COMPLETE COMPOSITE	5.8	8	90	[Bar chart showing 90th percentile]						

Legend
GE = Grade Equivalent
NPR = National Percentile Rank
NS = National Stanine

Measures achievement in:

- Reading
- Language
- Vocabulary
- Math
- History
- Science

1. Track student's development/progress from year-to-year

2. National comparison of student's achievement:

a. NS - Stanine

b. GE - Grade Equivalency

c. NPR - Percentile

d. *New: PNPR - Predicted Percentile (based on CogAT score)

CogAT



	Age Scores		APR Graph			
	Verbal	Quantitative	1	25	50	75
Verbal	73	96	[Bar chart showing Verbal score at 73]			
Quantitative	9	98	[Bar chart showing Quantitative score at 98]			
Nonverbal	6	87	[Bar chart showing Nonverbal score at 87]			
Composite (VQN)	8	89	[Bar chart showing Composite score at 89]			

Verbal

Non-Verbal

Quantitative

Composite

Abilities	Grade Scores			Local Scores	
	Number of Items	Number Att.	Number Correct	Grade Stanine	Grade Percentile Rank
Verbal	62	62	47	7	77
Quantitative	52	52	46	9	98
Nonverbal	56	56	37	6	69
Composite (VQN)				8	91

1. Guide efforts to adapt instruction to the abilities of students
2. Cognitive Development not represented in core subjects
3. To compare:
 - a. Academic testing ability with achievement
 - b. Classroom grades with ability
4. AGE and GRADE comparison

Verbal

- Verbal Aptitude
- Word Knowledge
- Use of Language and Verbal Reasoning
- High Score = expected to do well in reading and language activities

Quantitative

- Mathematical reasoning
- Problem solving ability
- High scores = perform well with mathematical equations and concepts

Non-Verbal

- Reasoning
- Problem solving ability with patterns, relationships and categories
 - High score = does well with logic, creative thinking and technology

How to Compare



1. Note CogAT Percentile Ranking
2. Note Iowa Percentile Ranking
3. CogAT higher than Iowa is a student with higher ability than performance
4. CogAT lower than Iowa is a student with lower ability than performance
5. Testing vs. Classroom Grades

CogAT Interactive Profile



- Input student's score profile to read brief description of learned reasoning activities.
- Suggestions for using scoring to help student more effectively.
- Help teachers better evaluate students.
- Consider additional factors that may contribute to the needs of your student.
- LINK:<http://www.hmhco.com/cogat/cogatprofile>