

A comparison of the composition of the WJ/WJ-R/WJ III/WJ IV GIA (g) and broad CHC clusters (K.McGrew, 10-15-15)

CHC broad factor & individual tests	GIA (g) cluster				Broad CHC factor clusters			
	WJ BCA	WJ-R BCA-Std	WJ III GIA-Std	WJ IV GIA	WJ	WJ-R	WJ III	WJ IV
Glr								
Memory for Names	X	X				X		
Visual-Auditory Learning			X			X	X	X
Retrieval Fluency							X	
Story Recall				X				X
Gsm/Gwm (Memory in WJ)								
Sentence Repetition *	X	X			X	X		
Memory for Words						X	X	
Numbers Reversed	X		X		X		X	X
Object-Number Sequencing *								
Verbal Attention				X				X
Gs (Perceptual Speed in WJ)								
Number-Pattern Matching *	X	X	X		X	X	X	
Cross Out						X		
Decision Speed							X	
Pair Cancellation								X
Letter-Pattern Matching				X				X
Spatial Relations (timed)	X				X			
Ga								
Incomplete Words		X				X		
Sound Blending *	X		X			X	X	
Auditory Attention							X	
Phonological Processing				X				X
Nonword Repetition								X
Gv								
Visual Closure		X				X		
Picture Recognition						X	X	X
Spatial Relations (SR; untimed)			X	•			X	
Block Rotation (BR)				•				
Visualization (SR+BR)				X				X
Gf (Reasoning in WJ)								
Analysis-Synthesis	X	X			X	X	X	
Concept Formation	X		X		X	X	X	X
Number Series (DS)				X				X
Quantitative Concepts	X							
Verbal Analogies * (Antonyms-Synonyms; WJ)					X			
					(S)			
Gc (Verbal Ability in WJ)								
Picture Vocabulary (PV)	X	X	•		X	X		
Oral Vocabulary (OV)	X		•	X	X	X		X
Verbal Analogies (VA) *	X		•					
Verbal Comprehension (PV+OV+VA)			X				X	
General Information (Analysis-Synthesis)							X	X
					(S)			

Note. X = test and • = subtest. An X below a series of • represents a test that is the combination of these subtests. (S) = "suppressor" variable tests in original WJ. Test names are WJ IV test names. Tests designated with * may have had a different name in the WJ, WJ-R and WJ III editions. Modified table from Cormier, D., McGrew, K., Bulut, O., Funamoto, A. (2015). Exploring the relationships between broad Cattell-Horn-Carroll (CHC) cognitive abilities and reading achievement during the school-age years, *Manuscript submitted for publication*.