WJ IV Basic Reading Skills assessment tree – **Selective+ ach-domain** tree

- **Gs**
  - Letter- Pattern Matching
  - Perceptual Speed (P)
  - R = .46

- **Ga**
  - Nonword Repetition
  - Number- Pattern Matching
  - R = .59

- **Glr**
  - Phon. Proc.
  - Speed of lexical access - Ext (LA-Ext)
  - R = .42

- **Gwm**
  - Rapid Pic. Nam.
  - Number Reversal
  - R = .59

- **Gv**
  - Vis. Aud. Lrn.
  - Retrieval Fluency
  - Speed of Lexical Access (LA)
  - R = .42

- **Gc**
  - Oral Vocab.
  - R = .64

- **Gs**
  - Within CHC domain test to start with, based on multiple regression

GIA/BRS RC Scholastic Aptitude $r = .87$
Gs/Perceptual Speed $r = .85$

$R = \text{multiple } R$ prediction of BRS within CHC domain

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WJ IV Basic Reading Skills assessment tree – Selective+ ach-domain tree

- Gc: Oral Vocab.
- Gf: Number Series
- Gwm: Verbal Attention
- Glr: Sentence Repetition
- Gv: Rapid Pic. Nam.
- Ga: Numbers Reversed
- Gs: Vis. Aud. Lrn.
- Ga: Nonword Repetition
- Ga: Letter-Pattern Matching
- Ga: Perceptual Speed (P)

Speed of lexical access-Ext (LA-Ext)

See within CHC domain assessment/interp. tree for in depth assessment in each domain

GIA/BRS RC Scholastic Aptitude Cluster $r = .87$
Gs/Perceptual Speed $r = .85$

R = multiple R prediction of BRS within CHC domain

High

Strength of empirical relation (correlation) with BRS and RC clusters in norm data (ages 6 to 19)

Low

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WJ IV Basic Reading Skills and Comprehension—Core GIA+ cluster *ach-domain* tree

- **Gc**: Oral Vocab.
- **Gs**: Picture Vocab.
- **Gf**: Number Series
- **Gwm**: Concept Formation
- **Gl**: Numbers Reversed
- **Gv**: Serial Reversal
- **Ga**: Under. Directions
- **Gs**: Sentence Repetition
- **Gs**: Rapid Pic. Nam.
- **Gl**: XBA VWM testing?
- **Gf**: Vis. Aud. Lrn.
- **Gv**: Ortho. Aware.
- **Glm**: Sound Blending
- **Ga**: Phonetic Coding (PC)
- **Ga**: Number-Number Matching
- **Gs**: Nonword Repetition
- **Gs**: Pair Canc.
- **Gv**: Segmentation
- **Gfw**: Phon. Proc.
- **Gwm**: Letter-Number Matching
- **Gfw**: Story Recall
- **Gfw**: Visual-Visualization
- **Gfw**: Phon. Proc.
- **Gfw**: High
- **Gfw**: Low
- **Gfw**: 94-80/90

Strength of empirical relation (correlation) with BRS and RC clusters in norm data (ages 6 to 19)
WJ IV Reading Comprehension – Selective+ ach-domain tree

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See within CHC domain assessment/interp. tree for in depth assessment in each domain

RC Scholastic Aptitude Cluster

Within CHC domain test to start with, based on multiple regression

GIA/RC Scholastic Aptitude r = .87
Gs/Perceptual Speed r = .85
R = multiple R prediction of BRS within CHC domain
WJ IV Math Calculation Skills – Selective+ ach-domain tree

See within CHC domain assessment/interp. tree for in depth assessment in each domain

- MCS Scholastic Aptitude cluster
- Within CHC domain test to start with, based on multiple regression

GIA/MCS Scholastic Aptitude $r = .87$
Gs/Perceptual Speed $r = .85$

$R = \text{multiple } R \text{ prediction of BRS within CHC domain}$
WJ IV Math Problem Solving – Selective+ ach-domain tree (Number Series excluded)

- **Gc**
  - Oral Vocab.
  - Oral Comp.
- **Gf**
  - Analysis-Synthesis
  - List. Comp. (LS)
- **Gwm**
  - Concept Formation
  - Numbers Reversed
  - Under. Directions
- **Glr**
  - Story Recall
  - Retrieval Fluency
  - Vis. Aud. Lrn.
- **Gv**
  - Visual-ization
  - Other strong Gv tests from other batteries
- **Ga**
- **Gs**
  - Number-Pattern Matching
  - Pair Canc.

**GIA/MPS Scholastic Aptitude cluster r = .87**

- **High**
  - Strength of empirical relation (correlation) with BRS and RC clusters in norm data (ages 6 to 19)
- **Low**

**MPS Scholastic Aptitude cluster**

- **Within CHC domain test to start with, based on multiple regression**
- **GIA/MPS Scholastic Aptitude r = .87**
- **R = multiple R prediction of BRS within CHC domain**

Number Series has predictor-criterion contamination issue \( r = .65 \) with Number Matrices.

See within CHC domain assessment/interp. tree for in depth assessment in each domain.
WJ IV Math Problem Solving – Selective+ ach-domain tree (with Number Series included)

- **Gc**: Oral Vocab.  
  - **Gf**: Number Series  
  - **Gwm**: Verbal Attention  
  - **Glr**: Story Recall  
  - **Gv**: Visual-ization  
  - **Ga**: Numbers Reversed  
  - **Gs**: Analysis-Synthesis

- **MPS Scholastic Aptitude cluster**
  - **Gf/Gf-Ext**  
  - **Gwm**  
  - **Glr**  
  - **Gv**  
  - **Ga**  
  - **Gs**

See within CHC domain assessment/interp. tree for in depth assessment in each domain

- **List. Comp. (LS)**

- **Oral Comp.**

- **Concept Formation**

- **Under. Directions**

- **Vis. Aud. Lrn.**

- **Pair Canc.**

- **Number-Pattern Matching**

- **High**

- **Low**

Strength of empirical relation (correlation) with BRS and RC clusters in norm data (ages 6 to 19)

- **GIA/MPS Scholastic Aptitude r = .87**
  - **Gf**: Quant. Reasoning  
  - **Number Series/Matrices r = .65**

- **R = multiple R prediction of BRS within CHC domain**
WJ IV Reading Fluency – Selective+ ach-domain tree

\[ R = .63 \]

Oral Vocab.

\[ R = .55 \]

Number Series

\[ R = .54 \]

Concept Formation

\[ R = .44 \]

Numbers Reversed

\[ R = .48 \]

Speed of lexical access-Ext (LA-Ext)

\[ R = .62 \]

Phon. Proc.

Letter-Pattern Matching

Perceptual Speed (P)

Nonword Repetition

Number-Pattern Matching

Gc

Gf

Gwm

Glr

Gv

Ga

Gs

Gc

Gf

Gwm

Glr

Gv

Ga

Gs

See within CHC domain assessment/interp. tree for in depth assessment in each domain

- RF RR Scholastic Aptitude Cluster
- Ga
- Gf
- Gwm
- Glr
- Gv
- Gs
- Gc
- Glr
- Gv
- Gs
- Ga

Within CHC domain test to start with, based on multiple regression

GIA/RF Scholastic Aptitude \( r = .87 \)

Gs/Perceptual Speed \( r = .85 \)

\( R \) = multiple \( R \) prediction of BRS within CHC domain

Strength of empirical relation (correlation) with BRS and RC clusters in norm data (ages 6 to 19)

High

Low

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