1. Arithmetic Reasoning

Description

- Application of mathematical concepts & operations to solve real-world problems
- Analysis and interpretation of numerical information within a specific context
- Part of general cognitive ability
- Goes beyond simple calculations

Assessment

- Word problems
- Mathematical operation scenarios
- Formula application
- Multi-step problem solving
- Graphical interpretation
- Real-world problems

Possibilities

Mathematics	Sciences	Engineering
Finance	Programming	Data Analysis

2. Verbal Reasoning

Description

- Use and understanding of language
- Encompasses comprehension & expression of information orally or textually
- Involves reading comprehension, oral comprehension, oral expression and textual expression
- Requires logical, analogical and inferential reasoning
- Essential in academics, professional environment and daily life.

Assessment

- Vocabulary
- Reading comprehension
- Sentence completion
- Grammar
- Summarization
- Real-world problems

Possibilities

Legal professions	Psychologists	Lawyers	Director
HR specialists	Marketing specialists	Teacher	Journalists

3. Visualization

Description

- Mentally create, manipulate, and interpret visual images in our minds
- Includes mental imagery, visual pattern recognition
- Also includes navigation skills, as well as visualizing processes

Assessment

- Visual pattern recognition ● Memorability ● Charts ● Spatial reasoning
- Graphs

Possibilities

Architects	Graphic designers	Artists	AR-VR professionals
Computer graphic designers		Interior designers	Photographers

4. Number Facility

Description

- Ease and proficiency in working with numerical information ● Perform mathematical operations ● Key components include basic arithmetic operations ● Quick and accurate mental calculations ● Numerical memory

Assessment

- Mathematical operations ● Algebraic equations

Possibilities

Software developers	Mathematicians
Data analysts	Statisticians

5. Perceptual Speed with Written Text

Description

- Quick & accurate comprehension of written material – text, words,
- Quick reading for identifying key information
- Quick grasping of main idea of written text

Assessment

- Speed reading exercises
- Text scanning tasks

Possibilities

Journalism	Content creation	Law
Academic research		Public relations

6. Perceptual Speed with Objects

Description

- Quick & accurate processing of visual information – objects
- Capacity to rapidly recognize and interpret visual stimuli

Assessment

- Identifying and matching objects
- Completing visual puzzles
- Discerning patterns

Possibilities

Architectural drafting	Animation and game design
Technical illustration	Museum-exhibit designing
Forensic science	Data analysis