

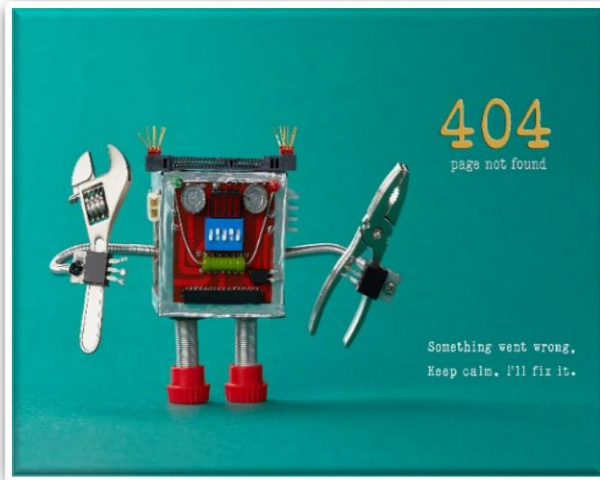


Reasoning Ability

Reasoning Ability (RA)

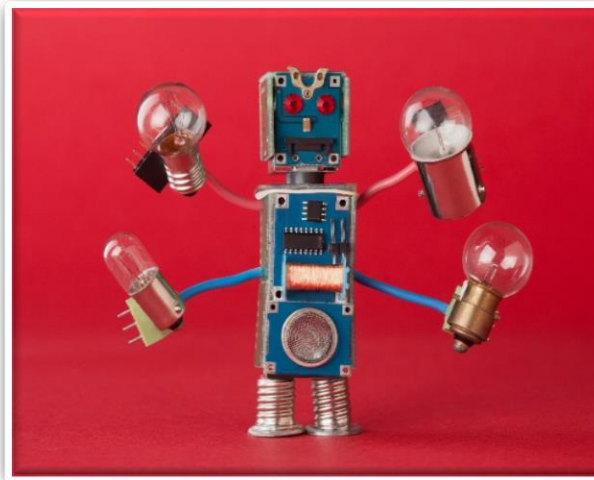
“Do they have the learning agility to adapt to changing situations?”

Reasoning Ability is the cognitive process of actively and skilfully processing information gathered from observation, experience or reflection, as a guide to belief & action. It relates to how fast and how accurate you can process information from perceiving and acquiring knowledge to retaining and applying it to problem solving.



Problem Solving

- Examination of thoughts implicit in problems
- Question-at-issue & empirical grounding
- Objections from alternative viewpoints & frame of reference



Learning On The Fly

- Responsiveness to various models for thinking
- Switching from scientific to economic thinking
- Adapting from mathematical to philosophical thinking



Agility To Change

- Unlearning in order to discriminate irrelevant or obsolete principles
- Applying a different logic to a new environment

Reasoning Ability: measure learning agility in 9 mental areas

Abstract Logic



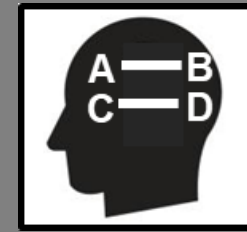
Ability to group relevant factors for problem solving

Social Context



Ability to interpret other's intention accurately

Word Association



Ability to illustrate a concept differently to people

Logical Processes



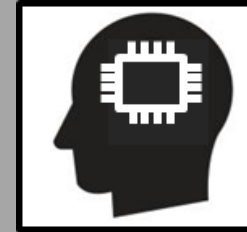
Ability to identify root causes of a problem

Numerical Reasoning



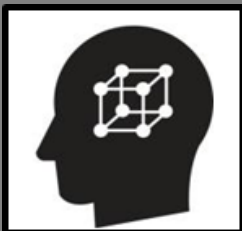
Ability to solve problems involving numerical justification

Memory Test



Ability to detect & retain visual consistency

Spatial Reasoning



Ability to map out multiple process flows simultaneously

Mathematical Logic



Ability to solve quantitative problems proportionally

Verbal Reasoning



Ability to comprehend & evaluate written information

Reasoning Ability: sample questions



Abstract
Logic

Animals, cats, dogs

A

B

C

D

E

Total Questions: 30 Duration: 11 minutes



Social
Context

Total Questions: 20 Duration: 11 minutes



Logical
Processes

It is known that...

X is of different sex than Y;

If Z is male, Y is female and vice versa;

X is female.

Questions:

Which sex is Z?

Which sex is Y?

Total Questions: 17 Duration: 20 minutes



Numerical
Reasoning

1	2	3	4	5	6	<input type="text"/>	<input type="text"/>
9	8	7	6	5	4	<input type="text"/>	<input type="text"/>
1	1	2	2	3	3	<input type="text"/>	<input type="text"/>

Total Questions: 42 Duration: 9 minutes



Spatial
Reasoning

Total Questions: 20 Duration: 7 minutes



Mathematical
Logic

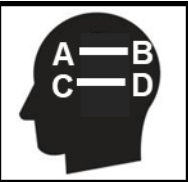
A building with 14 stories is higher than the combination of a 4 story one and another building that is twice as high

☐ True

☐ False

Total Questions: 18 Duration: 10 minutes

Reasoning Ability: sample questions



Word Association

Boat, sail

☐

Canoe, paddle

☐

Bicycle, car

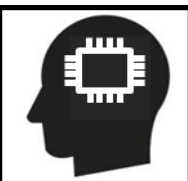
☐

Carpet, table

☐

Leg, shoe

Total Questions: 16Duration: 10 minutes



Memory

Which image (A, B, C or D) was this one?

☐

A

☐

B

☐

C

☐

D

Total Questions: 21Duration: 13 minutes



Verbal Reasoning

Paradoxically, in order to understand others, we must first have a good knowledge of ourselves. We often do not have this self-knowledge, or the opportunity to develop it. In organizations, status and power barriers prevent people from expressing their true feelings about each other. There are also cultural constraints which inhibit the public expression of emotions. Even when information about our attitudes, values and behavior is available in some form, psychological defense mechanisms may interfere with our ability to use it effectively.

Managers in organizations do not always get true feedback from their subordinates.

☐

True

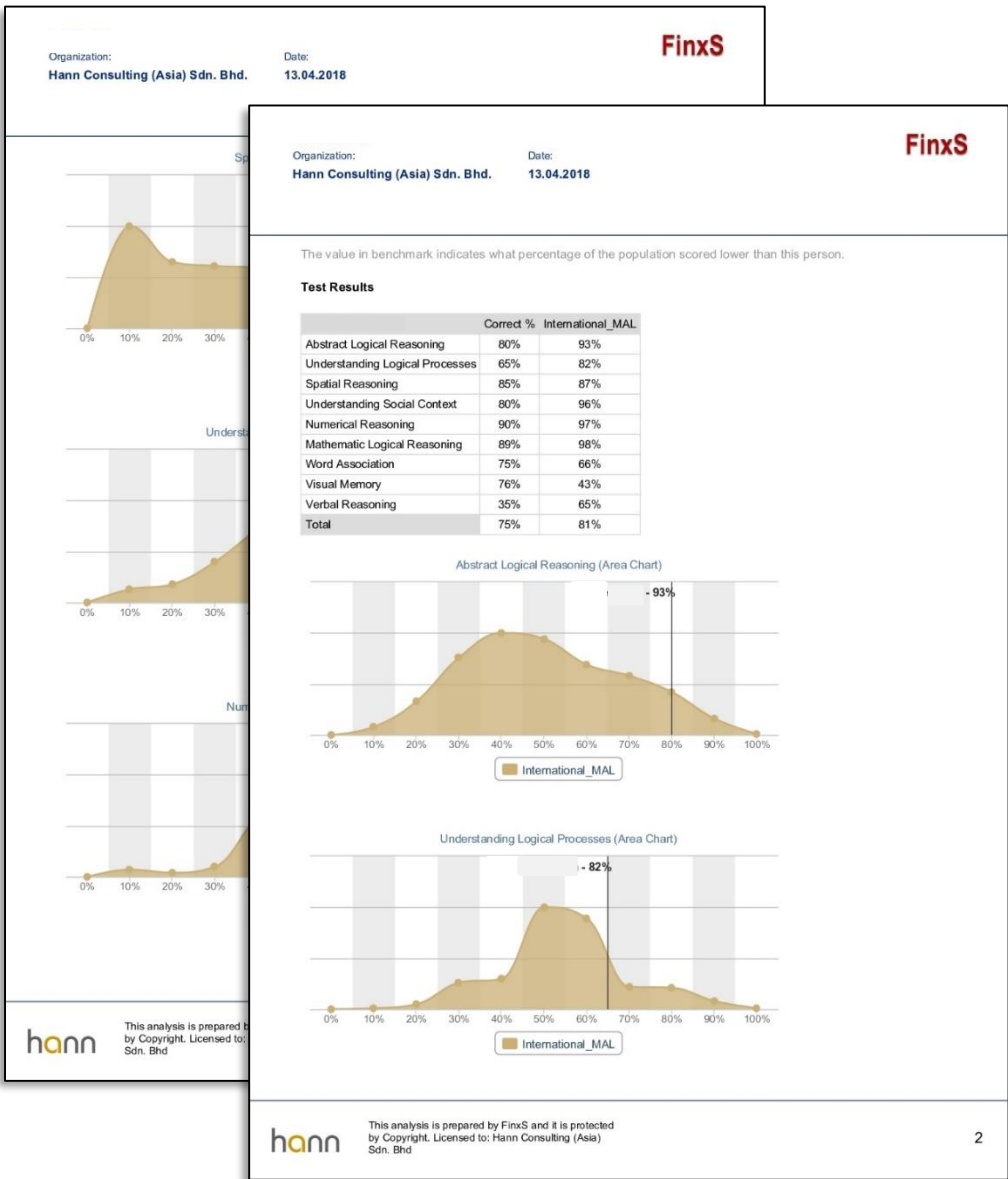
☐

False

☐

Impossible to say from the text

Total Questions: 20Duration: 15 minutes



Reasoning Ability: functional jobs and their critical reasoning abilities

FUNCTIONAL JOBS & CRITICAL REASONING ABILITIES

	Abstract	Logical	Spatial	Social	Numbers	Mathematical	Word	Memory	Verbal
Sales (promoter, entrepreneur, negotiator, headhunter)	●	●		●			●	●	
Service (customer relations, teaching, retail, management)	●	●		●				●	●
Development (marketing, engineering, operations, investment)		●	●		●			●	●
Administration (coordinator, accounting, risk management, call center)	●	●			●	●		●	●
Creative (advertising, PR, communication, counseling)	●		●	●			●		

bringing life to business

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