PSYTECH
INTERNATIONAL

Sam Sample
01 Mar 2022

EXPERT

STANDARD REPORT

CRITICAL REASONING TEST BATTERY

ABILITY

CRTBI

REPORT STRUCTURE

The Standard Report presents Sam Sample's results in the following sections:

1. Guide to Using This Report
- Introduction
- The Standard Report
- Supplementary Reports
- Reference Group (Norms) Used
- Understanding the Charts and Tables

2. Verbal Critical Reasoning
- Scale Description
- Result Description
- Results Chart

3. Numerical Critical Reasoning
- Scale Description
- Result Description
- Results Chart

4. Results Summary
- Critical Reasoning Profile

DISCLAIMER

This is a strictly confidential assessment report on Sam Sample which is to be used under the guidance of a trained professional. The information contained in this report should only be disclosed on a 'need to know basis' with the prior understanding of Sam Sample.

The results must be interpreted in the light of corroborating evidence gained from feedback and in the context of the role in question taking into account available data such as performance appraisals, actual experience, personality preferences, motivation, interests, values and skills. As such the authors and distributors cannot accept responsibility for decisions made based on the information contained in this report and cannot be held directly or indirectly liable for the consequences of those decisions.

GUIDE TO USING THIS REPORT

INTRODUCTION

Critical Reasoning is an ability that is central to all roles that require the incumbent to take logical decisions based on complex information. The Critical Reasoning Test Battery (CRTBi) has been developed to this core ability. The test comprises two sub-tests which measure verbal and numerical critical reasoning. The Critical Reasoning Test Battery contains problems which are relevant to management and business functions and was designed to distinguish between individuals of high ability.

The Critical Reasoning Test Battery can help identify people who are capable of:

- Weighing up evidence logically
- Identifying trends in data
- Isolating the key points in an argument
- Understanding complex arguments
- Assimilating all the evidence
- Quickly comprehending statistical and financial information
- Processing information quickly
- Making well-informed business decisions
- Solving problems effectively

In constructing the items in the Verbal and Numerical Critical Reasoning Tests special care was taken when writing the items to ensure that in order to correctly solve each item it was necessary to draw logical conclusions and inferences which stem from the passages and tables. That is to say, the items assess a person's ability to think in a rational, critical way and make logical inferences from verbal and numerical information, rather than simply check for factual errors and inconsistencies.

The additional diagnostic (raw) scores, which are provided after the profile chart for each of the Verbal and Numerical Tests, enable assessors to establish the respondent's test taking style. These provide additional information which allows assessors to determine the trade-off the candidate has made between speed (Percentage Items Attempted) and accuracy when responding to the test items. Assessors should be mindful of the need to interpret these raw scores in the context of the candidate's scaled (stanine or percentile) score on each subtest, as **both** accuracy and speed will increase for higher scorers.

THE STANDARD REPORT

The standard report provides a detailed breakdown of the respondent's performance across the sub-scales using narratives and profile charts.

SUPPLEMENTARY REPORTS

The information gained from this report can be used in conjunction with other supplementary reports. The supplementary reports available for the Critical Reasoning Test are:
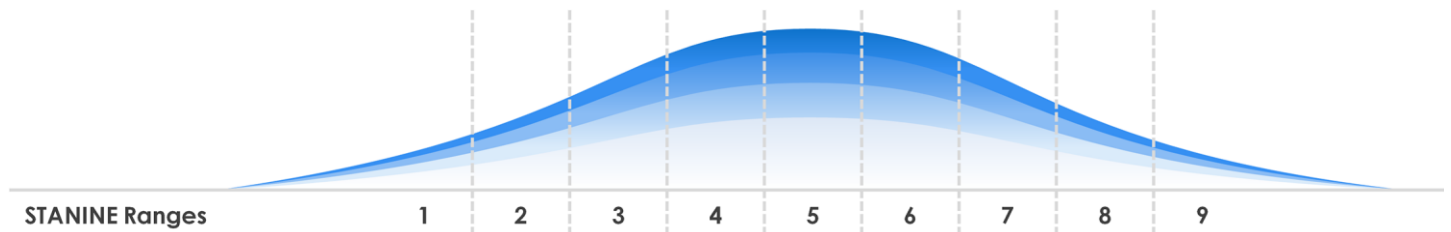
Results Spreadsheet
The results spreadsheet provides a summary of the respondents' results across the sub-scales in the form of a spread sheet.

Respondent Feedback Report
The feedback report is intended for sharing directly with respondents for their personal insight. It provides a breakdown of the respondent's performance across the sub-scales using simplified narratives.

REFERENCE GROUP (NORMS) USED

A reference group is used to evaluate Sam's results. His results are presented as standardised STANINE scores with Mean=5 and SD=2 as demonstrated in the following chart.

STANINE Ranges   1   2   3   4   5   6   7   8   9

The following norms were used to generate this report:

Test	Norm Used	Sample Size
Verbal Critical Reasoning (VCR)	Graduate/Managerial (2018)	3616
Numerical Critical Reasoning (NCR)	Graduate/Managerial (2018)	3616

UNDERSTANDING THE CHARTS AND TABLES

Much of the information presented in this report is presented in the form of charts or tables, which is why it is important to be able to read them accurately and make use of the information contained within them. The following elements are used to present the data in the charts and tables:

Element	Description
Raw	The Raw score is simply the (un-scaled) sum of correct responses the respondent receives on the test scale.
Attempted (Att.)	Is the number of questions the respondent has attempted to answer regardless of whether the answers were correct or not.
STANINE Score	Is a standardised scale used to compare respondent results. The STANINE Score has a Mean of 5 and Standard Deviation of 2. This score is presented as a 9-point scale in the results chart.
Standard Error of Measurement (SE*m*)	The Standard Error of Measurement is a measure of the range within which an individual's hypothetical 'true' score is likely to fall within 68% probability. It is presented as blue error bar surrounding the respondent's obtained STANINE score in the results chart.
T Score	Is another standardised score used to compare respondent results. It is similar to the STANINE score, though has a Mean of 50 and Standard Deviation of 10. This score is presented as a numerical value in the results chart.
Percentile Score (%ile)	A value which reflects the percentage of people in a sample who score below a given raw score. This score is presented as a numerical value between 0 and 100 in the results chart.
Percentage Items Correct	Is the percentage of the number of correct responses over total number of items.
Percentage Items Attempted	Is the percentage of the number of items attempted over total number of items.
Percentage Accuracy	Is the percentage of the number of correct responses over the number of items attempted.

VERBAL CRITICAL REASONING

SCALE DESCRIPTION

The verbal component of the Critical Reasoning Test assesses a person's ability to critically evaluate complex verbal arguments. Consisting of items which involve drawing logical conclusions and inferences from passages of text, this test measures the ability to correctly understand complicated written arguments and accurately perceive the consequences and corollaries of these arguments. While this test is a measure of reasoning ability rather than educational achievement, a person's score on this test will nonetheless be sensitive to educational achievement.

RESULT DESCRIPTION

Compared to the population of Graduate/Managerial (2018) respondents, Sam Sample's performance on the verbal component of this test indicates that he has an exceptional ability to critically evaluate complex written texts. Achieving a score which is only obtained by the top 5% of Graduate/Managerial (2018) respondents demonstrates that his ability to accurately deduce the logical sequences of an argument is well beyond that of most Graduate/Managerial (2018) respondents and managers. Such a strong grasp of the subtle shades of meaning found in complex prose indicates that he will be able to understand complicated arguments and use words in an extremely rational and reasoned way. Consequently, he should have no difficulty fully understanding written instructions and complex reports and should be able to explain these ideas succinctly to others.

RESULTS CHART

Scale	Description	Raw	Att.	1 2 3 4 5 6 7 8 9	T Score	%ile
VCR	**Verbal Critical Reasoning**	**43**	**49**	8	**67**	**95**

Norm Used:
Verbal Critical Reasoning (VCR) = 3616 Graduate/Managerial (2018)

Scale	Description	Percentage Items Correct	Percentage Items Attempted	Percentage Accuracy
VCR	**Verbal Critical Reasoning**	**88**	**100**	**88**

NUMERICAL CRITICAL REASONING

SCALE DESCRIPTION

The numerical component of the Critical Reasoning Test assesses a person's ability to use numerical information which is presented in a tabular form in a logical and rational way. The test consists of items which assess the candidate's understanding of a variety of types of tables of numerical information. These include tables of such information as share prices, economic indicators (e.g. exchange rates, rates of inflation, departmental budgets etc.) In order to assess their understanding of this information the test taker is required to identify trends and patterns in the data and perform simple numerical transformations and estimations based on a selection of the appropriate information in each table.

RESULT DESCRIPTION

Sam Sample's performance on the numerical component of this test puts him in the top 10% when compared to the population of Graduate/Managerial (2018) respondents. This demonstrates a very good grasp of numerical concepts and a strong ability to understand numerical information which is presented in tabular form. More able than most Graduate/Managerial (2018) respondents to use this information in a logical and rational way, he can accurately draw conclusions and inferences from such numerical data. Consequently, he should be more than able to cope with the demands of jobs which involve processing numerical information and basing decisions upon such data.

RESULTS CHART

Scale	Description	Raw	Att.	1 2 3 4 5 6 7 8 9	T Score	%ile
NCR	**Numerical Critical Reasoning**	**23**	**30**	8	**65**	**92**

Norm Used:
Numerical Critical Reasoning (NCR) = 3616 Graduate/Managerial (2018)

Scale	Description	Percentage Items Correct	Percentage Items Attempted	Percentage Accuracy
NCR	**Numerical Critical Reasoning**	**77**	**100**	**77**

RESULTS SUMMARY

CRITICAL REASONING PROFILE

Scale	Description	Raw	Att.	1 2 3 4 5 6 7 8 9	T Score	%ile
VCR	**Verbal Critical Reasoning**	43	49	8	67	95
NCR	**Numerical Critical Reasoning**	23	30	8	65	92

Norms Used:
Verbal Critical Reasoning (VCR) = 3616 Graduate/Managerial (2018)
Numerical Critical Reasoning (NCR) = 3616 Graduate/Managerial (2018)