

Bennett Mechanical Comprehension Test[®] II (BCMT-II)

Profile Report

Candidate Name: John Sample

Organization: Pearson Sample Corporation

Date of Testing: 31-05-2017 (dd-mm-yyyy)



BMCT–II Results

Skills and Abilities Assessed

Mechanical comprehension is the ability to understand and apply basic mechanical and physical concepts, as well as the key principles underlying the workings, maintenance, and repair of machinery and equipment.

BMCT–II was developed to help identify individuals with good mechanical comprehension abilities and those with an aptitude to understand and apply mechanical concepts and principles to solve problems.

Norm Reference Group: Installation/Maintenance/Repair

Candidate Percentile: 43%



Interpretation of Results

John Sample's score is higher than or equal to 43 percent of the Installation/Maintenance/Repair norm group.

What does this mean?

This individual is likely to adequately perform tasks that require an understanding of the principles of physical forces and mechanical elements in practical situations. Specifically, this individual is likely to

- possess or obtain at least a basic understanding of physical principles and laws and their application;
- install devices or equipment in a manner that typically meets specifications;
- accurately diagnose routine or obvious problems involving machinery or equipment but may struggle somewhat with more complex problems,
- make repairs that infrequently require rework, though occasional minor rework may be needed;
- possess a level of mechanical aptitude that enables proficiency in relatively simple or basic mechanical roles or functions;
- have a need to be supervised on projects involving relatively complex machinery or equipment; and
- learn new or unfamiliar mechanical concepts in a generally reasonable amount of time.

Additional Technical Information

Test Description

Maximum time allowed	Item format
25 minutes	Multiple choice

Test Items

Number correct*	Number attempted	Total number of test questions
33	55	55

Ability test results can be presented in a number of ways, depending on the test administrator's preference and the countries in which they are used. The following are three additional score types.

Alternative Score Formats

T-score	STANINE score	STEN score
48	5	5

Score Definitions

***Number correct (Raw score)** only indicates the total number of correct responses on a test. More sophisticated item-banked tests produce a theta score that takes into account the difficulty level of each item. It is, therefore, possible to have two people with the same raw scores, but different theta and percentile scores.

T-scores are standardized scores used to compare a test taker's results. A T-score has a mean of 50 and standard deviation of 10.

STANINE (Standard Nine) scores are standardized scores based on a 9-point scale, with a mean of 5 and standard deviation of 2.

STEN (Standard Ten) scores are standardized scores based on a 10-point scale, with a mean of 5.5 and a standard deviation of 2.

Note: The results of tests administered without supervision (unproctored) should be interpreted with caution unless there is certainty that the test was completed without assistance. Unproctored results may be verified through supervised re-testing of the final pool of applicants at the latter stages of an assessment process, or via information from other sources such as a structured interview or assessment center exercise, measuring the same abilities.

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Disclaimer: This report is intended solely for use by the test administrator. BMCT-II should not be used as the sole basis for making an employment decision. It is recommended that this ability test is used in combination with other assessment data (for example, a personality assessment and a behavior-based interview). BMCT-II may be a relevant assessment only if the abilities it measures are pertinent to the job role or training for which an individual is being assessed. Please refer to relevant legal, ethical, and professional standards for guidance in the appropriate use of assessment results in your region. For more information on best practices for using test scores in selection decisions, please consult the BMCT-II Technical Manual.

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