

Mechanical Aptitude Test

The Mechanical Aptitude Test measures a candidate's ability to solve problems related to physical laws and mechanical operations. The test items are based on problems that can only be solved by using reasoning abilities that can be applied to the physically observable world.

Detailed Test Report

For every candidate completing the Mechanical Aptitude Test, you will be able to download or print a detailed test report. The first page of the test report grants a quick overview of the candidate's overall performance on the test. On the following page of the test report, you may compare the candidate's results with norm groups of 5 different occupations.

The results of the candidate are compared to a norm group to get the percentile population score. For example, if a candidate has a score of 70, he/she scored as well or better than 70 percent of the 3,000 people who were part of our 2014 test norming study.



Measures

Mechanical reasoning ability, knowledge of basic mechanical concepts, knowledge of simple electronic circuits.



Suitable occupations

Engineers, millwrights, auto mechanics, assembly line workers, machine operators, construction workers, and other jobs requiring a basic understanding of mechanical operations.



Items

40 questions

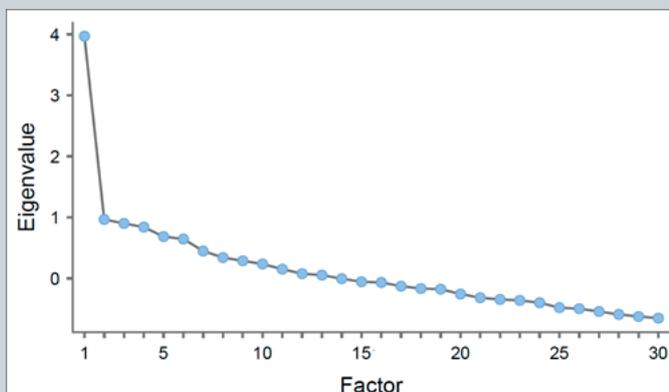


Time limit

30 minutes

Evidence of Validity

An exploratory factor analysis was conducted on a validation study dataset. Results are interpreted through a scree plot below, which indicates that the best factorial structure for the test is that of only one factor. This indicates that the scores of the test can be interpreted as one single indicator of the overall mechanical aptitude of candidates.



Evidence of Reliability

The Mechanical Aptitude Test has an appropriate level of internal consistency reliability, indicated by the following coefficients:

Cronbach's α : **0.79**
McDonald's ω : **0.79**

Requirements

The test can be run on all mobile devices, PC, and Mac computers with an updated browser and a stable internet connection.

The test is accessed by the browser. You can run the test on-site, or the candidate can complete the test in the comfort of their own home.

Request a Sample

Please contact us by e-mail to request a full-length sample of the test.