Spatial Reasoning Ability Test

The Spatial Reasoning Ability Test measures a candidate's ability to understand and remember the spatial relations among objects. The test items are based on problems of physical spatial nature such as three-dimensional rotations and folding of objects.

Detailed Test Report

For every candidate completing the Spatial Reasoning Ability 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 4 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 2,000 people who were part of our 2015 test norming study.

Measures
The ability to understand, reason, and remember the spatial relations among objects or space.

Suitable occupations
Engineers, graphic designers, photographers, millwrights, auto mechanics, assembly line workers, machine operators, and other jobs requiring a high spatial ability.
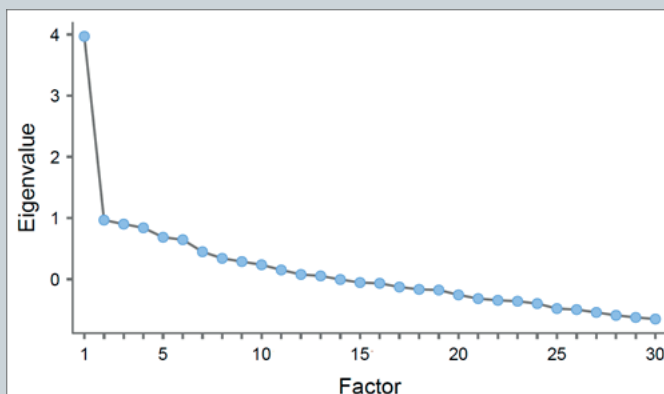
Items
30 questions

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 is consistent with the unidimensional nature of spatial reasoning tests. Therefore, the predictive validity of this construct can be generalized to the scores of this test.

Evidence of Reliability

The Spatial Reasoning Ability Test has an appropriate level of internal consistency reliability, indicated by the following coefficients:

Cronbach's α: **0.80**
McDonald's ω: **0.80**

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.