

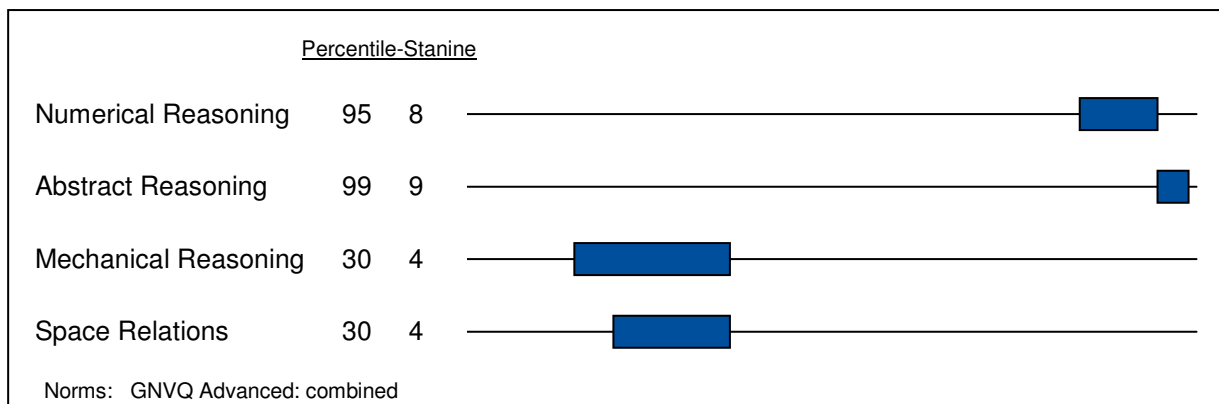


The Technical Abilities Battery

Report for Paul Sample

05 June 2009

Technical Abilities Battery Profile



The Technical Abilities Battery is a subset of the Differential Aptitude tests and consists of four separate tests: Numerical Reasoning, Abstract Reasoning, Mechanical Reasoning and Space Relations. These four tests, in combination, provide an indication of an individual's abilities in three areas of intellectual functioning which are particularly relevant to work of a technical nature.

The scores reported in this report are derived by comparing a person's performance on each test with the scores obtained by a large sample of people who constitute a 'norm group'. The scores presented and the comments to follow are therefore relative to this norm group. The particular norm group used for this report is indicated above.

Numerical Reasoning

Mr Sample obtained a high score on the Numerical Reasoning test. He should therefore have little difficulty with any work involving numbers or calculations.

Numerical ability is important for work in the technical professions such as science, engineering and architecture. It is also very relevant to many jobs in business and finance (e.g. sales forecasting, banking, etc) and is one of the most important prerequisites for work in accounting. In the technical area, numerical ability is necessary for any sort of work in which calculations or precise measurements need to be made (for instance, surveying, joinery or laboratory work). It is also required in many clerical or administrative jobs (e.g. local government, accounts administration, etc.). It seems from Mr Sample's performance on the test that, at least in terms of the numerical tasks involved, he would do well in all of the above areas.

Abstract Reasoning

The Abstract Reasoning test measures a person's ability to reason with abstract ideas. It is concerned with being able to perceive patterns among complex elements and being able to see how those elements relate to one another. Mr Sample's score on this test is at the very top end of the scale. He should therefore demonstrate a very strong ability to think abstractly and analytically and will enjoy tasks which offer him the challenge to do so.

Abstract reasoning is important for work in which it is necessary to be able to see relationships between things: either in a logical sense or in a practical sense. It is therefore useful for fields such as computer programming and software design, mathematics, science and engineering. It can also be useful in areas such as technical maintenance, in which it can be important to understand how parts of a machine or system relate to one another. Abstract reasoning is also important for working in the field of design, since design is often concerned with the expression of abstract ideas or themes. Finally, abstract reasoning can also be very relevant to management, especially at the higher levels where one needs to be able to see how the different parts of a complex organisation fit together.

Mechanical Reasoning

The Mechanical Reasoning test measures the ability to understand the basic principles of machinery, of tools and of physical relationships between things. This ability is important for any sort of work involving the design, operation or repair of equipment and is also very relevant to the field of engineering and to some areas of design.

Examples of jobs in which mechanical ability is important include motor mechanic, gas fitter and repairer, industrial fitter, production engineer, civil engineer, aero-engineer, surveyor, electrician, carpenter, machine operator, product designer and builder. On this test, Mr Sample's score was very slightly below the average range for the norm group. Although he may show some mechanical aptitude therefore, this would probably not be an area in which he would demonstrate outstanding strengths.

Space Relations

The Space Relations test assesses a person's ability to visualise objects in three dimensions and Mr Sample's score on this test was very slightly below the average range for the norm group.

Spatial ability is needed in any form of work in which one must be able to visualise objects and understand how they relate to each other. Examples of jobs where good spatial abilities are required are architecture, design, technical drawing, dentistry, the fine arts, and also any type of technical or craft work which involves dealing with objects at a practical level. Although Mr Sample may show some inclination towards work of this kind, this would probably not be an area in which he would demonstrate particular talents.

Summary of results

To summarise, Mr Sample performed in the higher range on the Numerical Reasoning test and the Abstract Reasoning test and in the middle range on the Mechanical Reasoning test and the Space Relations test. His score on the Abstract Reasoning test provides some evidence of his overall ability. However, his scores on the Mechanical and Space Relations tests would suggest only a moderate level of specifically technical ability. Aside from this, his numerical ability is certainly at a level where he should cope well, if not very well, with the more quantitative aspects of technical work.