Pearson
Talent Solutions

COGNITIVE ASSESSMENTS

Spatial Reasoning



Help your organization visualize solutions, think in 3D, and solve with precision

Trusted since 1947 to predict performance the **Differential Aptitude Test (DAT)™**, now Spatial Reasoning, helps you identify individuals who can mentally manipulate shapes, visualize outcomes, and solve problems with clarity. Using adaptive testing, it delivers precise insight into how people process and work with spatial information—so you can build teams that see solutions others miss.

In many roles, success depends on more than numbers or words—it requires the ability to visualize objects, understand spatial relationships, and think in three dimensions. From engineering and design to operations and logistics, spatial thinking drives innovation and execution.

Spatial Reasoning Benefits

- **Short –** Approximately 10–15 minutes (15 adaptive items)
- **Measures spatial visualization ability,** a key predictor of success in technical and hands-on roles
- **Highly reliable, predictive scores** backed by decades of research
- **Adaptive testing technology** ensures precise, ability-aligned results
- **Engaging experience** that adjusts to each individual
- **Enables confident hiring and development decisions**

Our Spatial Reasoning assessment measures the following:

1 **3D Visualization**
The ability to mentally rotate and manipulate two- and three-dimensional objects.

2 **Spatial Awareness**
Understanding how objects relate to one another in space.

3 **Mental Transformation**
Visualizing how shapes or objects change when moved, rotated, or reconfigured.

4 **Pattern and Structure Recognition**
Identifying how components fit together to form a complete object or system.

5 **Applied Problem Solving**
Using spatial insight to solve practical, visual, and technical challenges.

6 **Precision in Visual Thinking**
Accurately interpreting diagrams, layouts, and spatial data.



Languages

English
French
Dutch
Spanish
German
Italian
Portuguese

Norms

General population, Education-level norms

The Spatial Reasoning assessment is based on DAT™, Differential Aptitude Tests™. Trusted since 1947 to predict performance the Differential Aptitude Test (DAT), now with adaptive technology (DAT Adaptive), assesses the ability to visualize 2D shapes in 3D.

Take the next step

Pearson helps enterprises build future-ready workforces through integrated talent assessment, talent development, and talent verification solutions. With global reach and expertise in AI and learning sciences, Pearson enables organizations to identify strengths today and develop the talent they need for what's next.

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