

# **Spatial Visualization | SV**

Ability to recognize spatial objects in different spatial situations (e.g., be able to build tangram patterns, match paper folds and cuts, recognize networks of spatial objects)

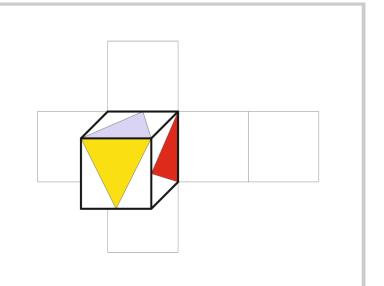
#### **Typical Sample Tasks**

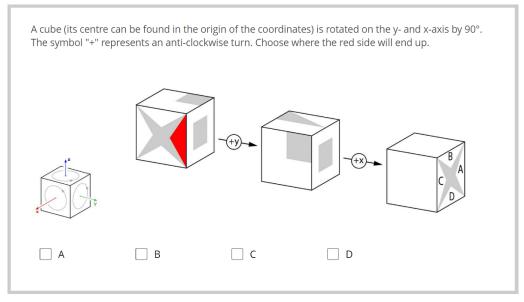
A cube is rotated 90° several times and leaves

stamps on its net.

Click on the side surface of the net which has the illustrated stamp.







The square is folded once. Some parts are removed with a pair of scissors.

After unfolding, one of the four illustrated figures emerges. Which is the correct one? Click on it.

That's the way how the paper is folded and then cut.

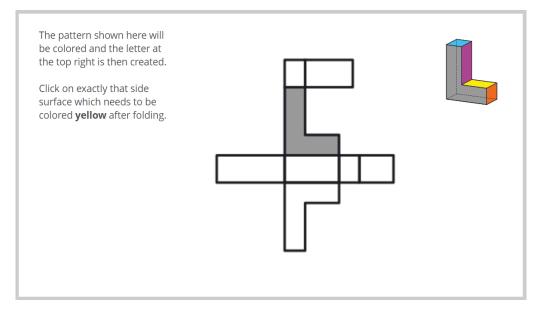
After unfolding?

A:

B:

C:

D:

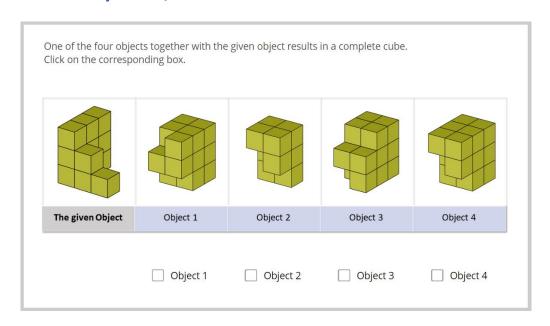


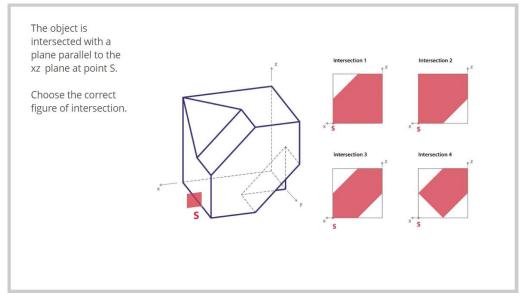


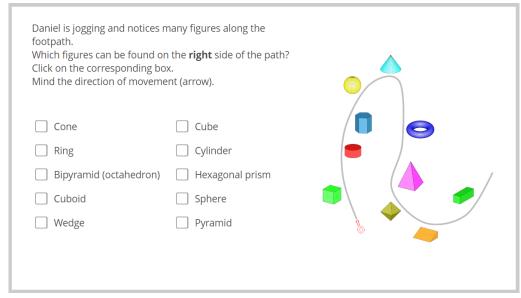
# **Spatial Relation | SR**

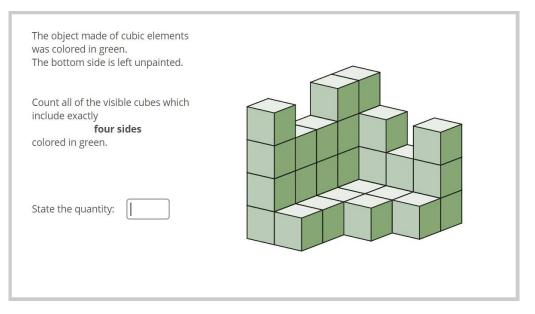
Ability to recognize relationships between spatial (partial) objects (e.g., being able to recognize a pot and its matching lid, being able to recognize spatial complementary bodies)

### **Typical Sample Tasks**











## Mental Rotation | MR

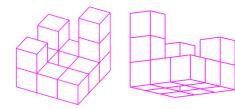
Ability to rotate spatial objects purely mentally (e.g., be able to identify spatial objects in rotated position)

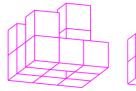
#### **Typical Sample Tasks**

There is a series of cubes on the right side. Four other figures of this series of cubes can be found below. Unfortunately, there are **two** figures of a different series of cubes among them.

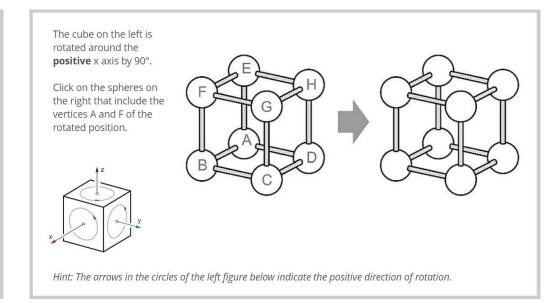
Click on them.



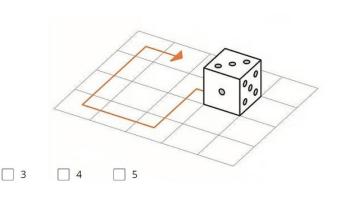


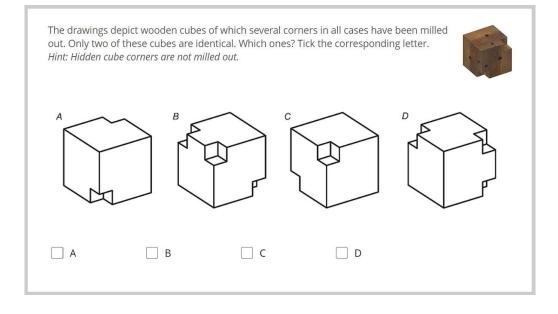






A die is put on a grid of squares as shown and subsequently rotated several times around one of its bottom edges along the marked path until it reaches the end position of the polygon which is marked with a little triangle. Which number of dots will be on the **bottom side** of the dice after it has been moved? *Hint: The sum of the number of dots of the opposing sides is always 7.* 







## **Spatial Orientation | SO**

Ability to imagine spatial scenes from other positions (e.g., after movements in real environments, be able to estimate positions and distances of and to objects, be able to read maps and plans, be able to imagine objects from the backside)

### **Typical Sample Tasks**

