Spatial Reasoning

Question & Answers

Spatial reasoning tests your ability to think about objects in both two and three dimensions, and draw conclusions to those objects from limited information. These tests allow you to visualise two and three-dimensional images in your mind, and mentally manipulate these images into the shape that you want.

What do spatial reasoning tests measure?

Spatial reasoning tests are typically given to candidates who are applying for technical roles such as engineering and architecture.

> "It will test a candidate's spatial awareness and ability to spot patterns from different angles and changing perspectives."

It has long been believed that these are skills that can't be taught, but studies have now shown that by practicing, you can improve your spatial awareness quite markedly.

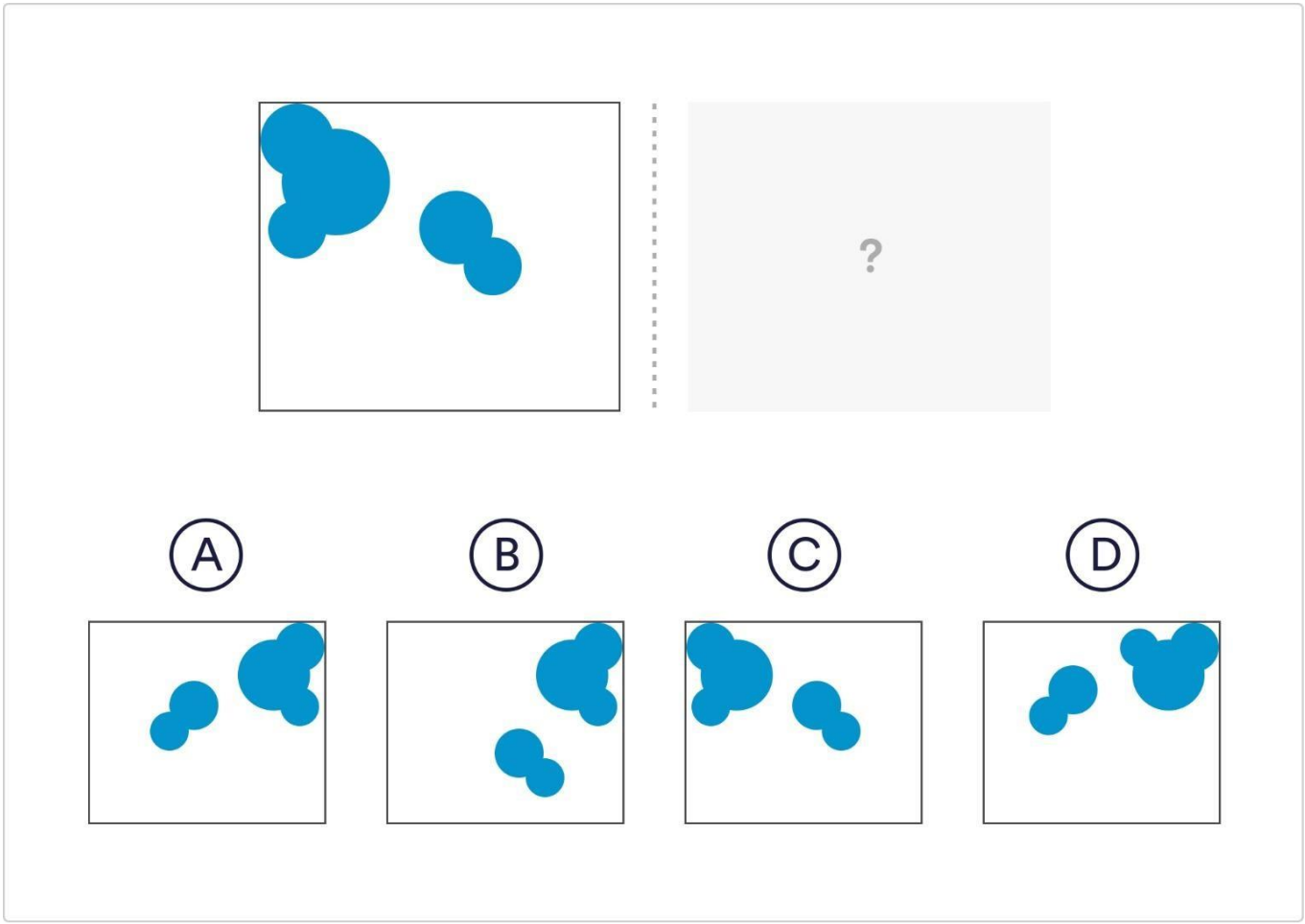
Instructions for use

We've provided 5 spatial reasoning questions and answers for you to work through. Try and do each one under timed conditions without looking at the answers. Once you've completed each one, look at the answer to assess your performance and see how you can improve moving forwards.

All questions are multiple choice and there is only one correct answer. Try to take the test in an environment where you will not be disturbed.

If you'd like more spatial reasoning test practice, you can access our huge spatial reasoning test vault online. They're all written by industry experts and are designed to replicate the real tests.

Which of the given shapes is the correct mirror image?



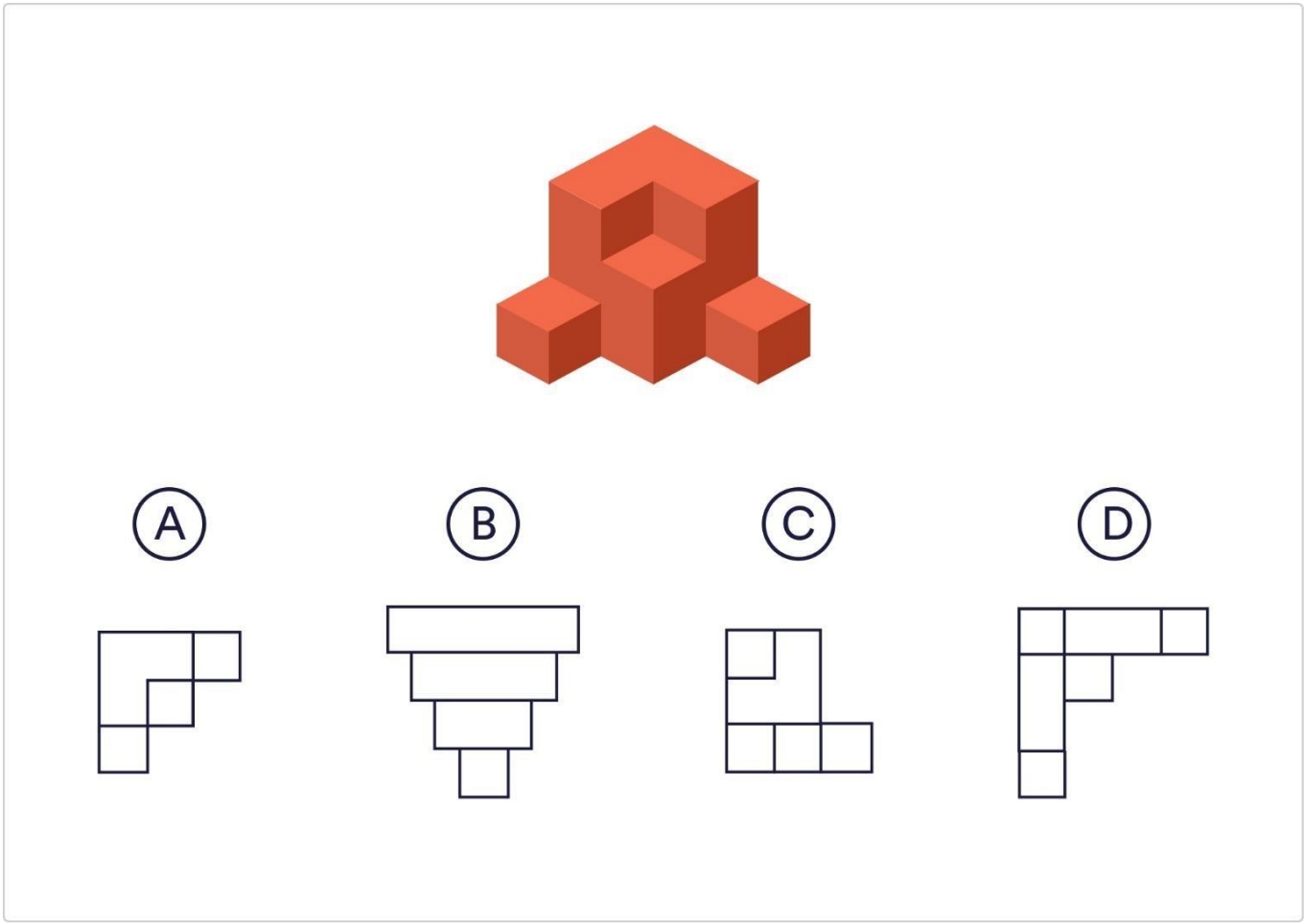
A) ☐ B) ☐

C) ☐ D) ☐

Solution

Answer = A. The easiest approach is to start as close to the mirror line as possible and work further away. You can see in this case that there are two circles slightly on top of each other so the answer must be A or D. If you assess the positioning of the outer circles, you can see the answer must be A.

What would the 3D shape look like from above?



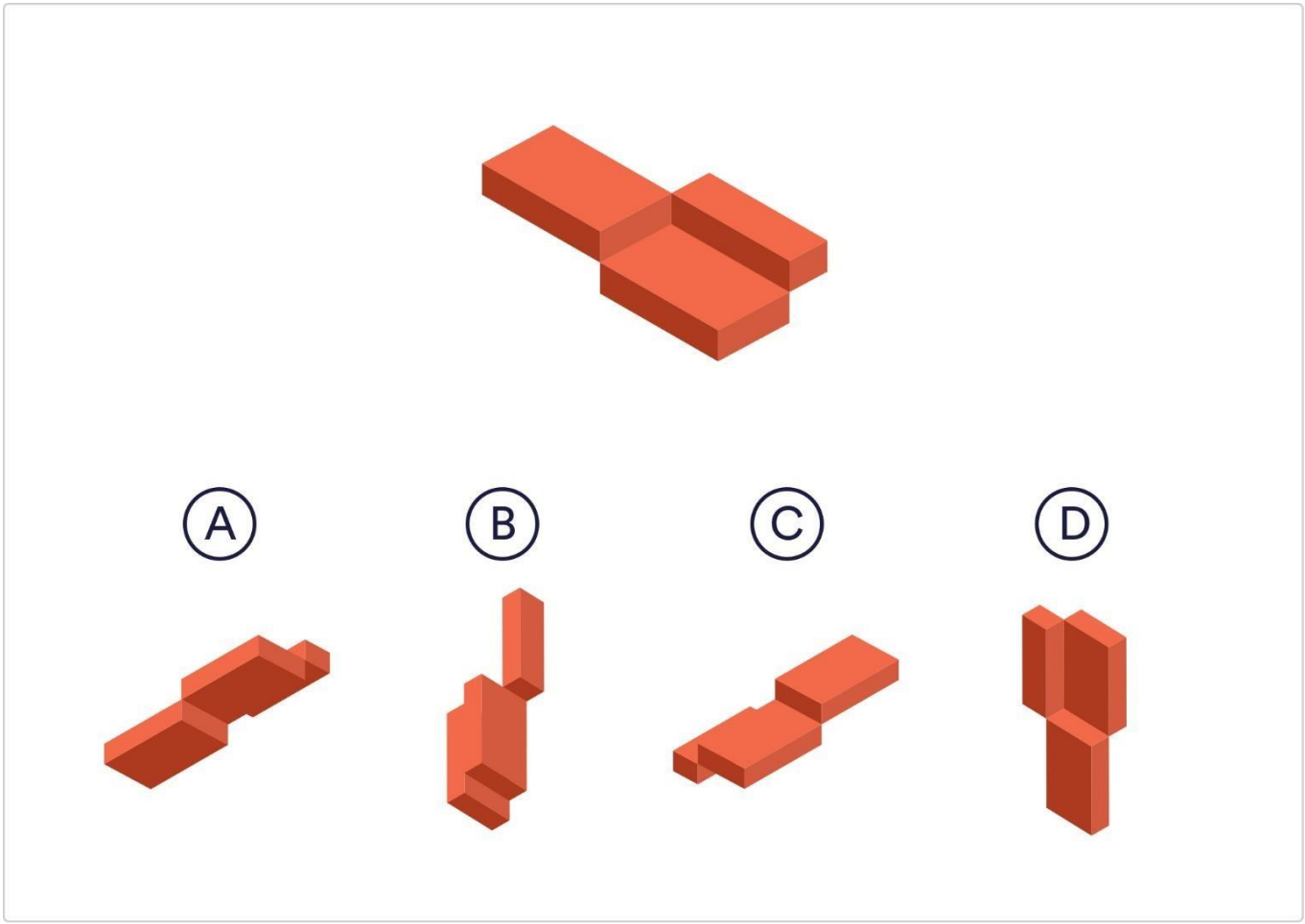
A) ☐ B) ☐

C) ☐ D) ☐

Solution

Answer = A. When looking from above, height doesn't matter so the simplest thing to do is work out the outline of the shape. Once you have this you can see that it must be A which is a triangle with a kind of jagged edge.

Which of the given shapes is the same 3D shape but in a different position?



A) ☐ B) ☐

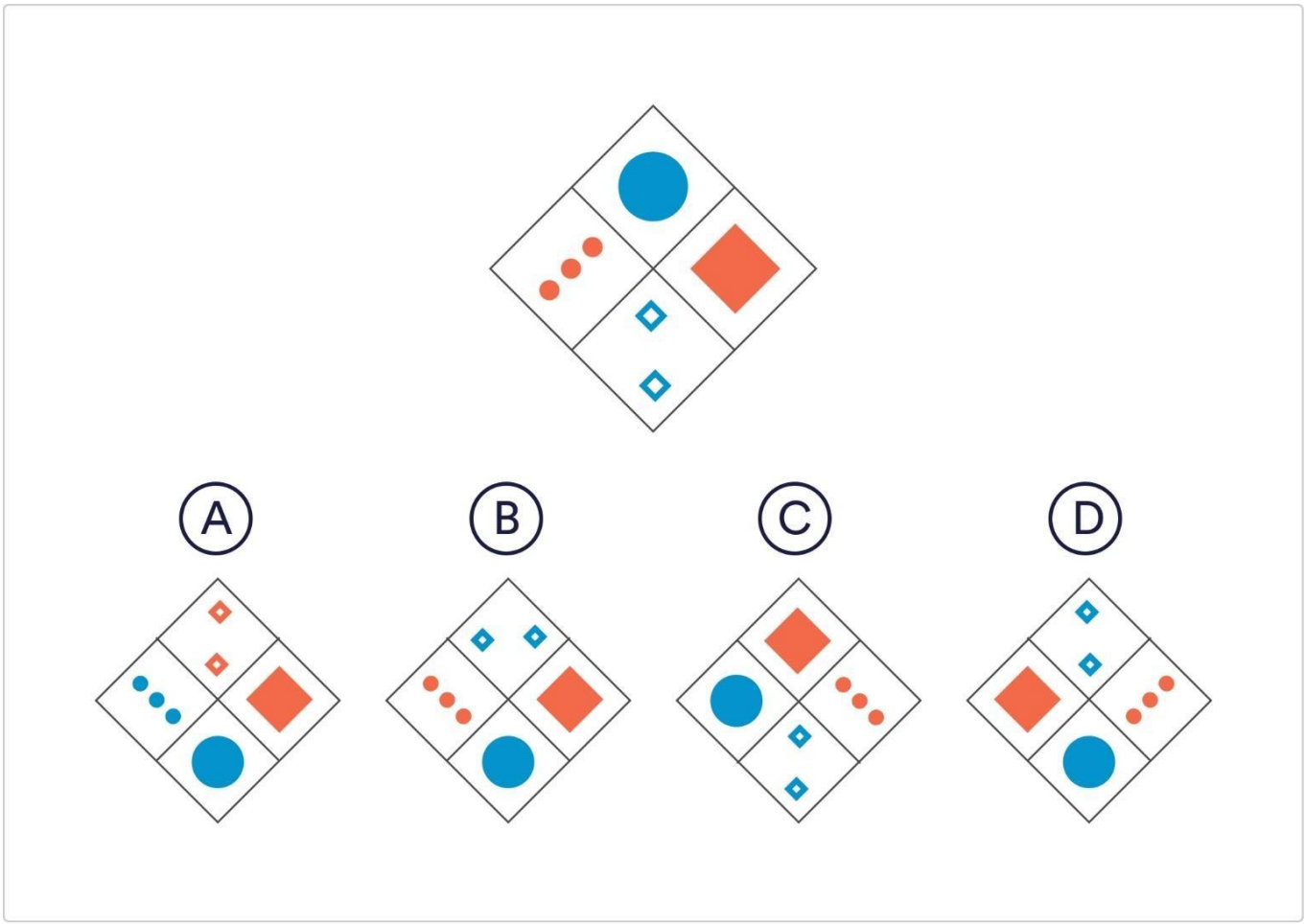
C) ☐ D) ☐

Solution

Answer = D. You can see that the two large blocks are adjacent which rules out B. The thinner block sits inside the larger block which rules out A and C so the answer must be B.

Question 4

Which of the given shapes is a rotation of the main image?



A) ☐ B) ☐

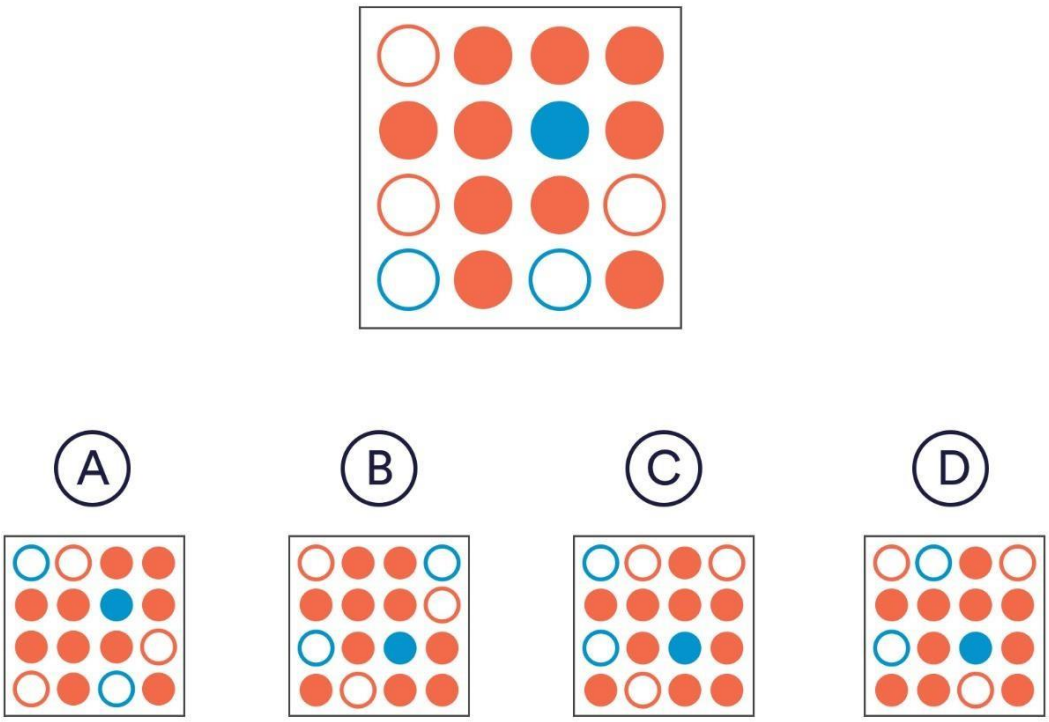
C) ☐ D) ☐

Solution

Answer = D. The blue circle is opposite blue stars so it must be B or D. The big square is clockwise of the blue circle so the answer must be D.

Question 4

Which of the given shapes is a rotation of the main image?



A) ☐ B) ☐

C) ☐ D) ☐

Solution

Answer = C. Pick a section and rotate it step-by-step. It's easiest if you pick a large section like the three orange circles in the top right-hand corner with the blue circle next to it. If you rotate this you can see the answer is C where the same pattern is in the bottom right hand corner.

Practice 1000's aptitude tests online

Join 9+ million people and access our complete Aptitude Testing catalogue online.

Numerical Reasoning
45 tests | 900 questions

Verbal Reasoning
45 tests | 675 questions

Diagrammatic Reasoning
30 tests | 300 questions

Abstract Reasoning
1 tests | 10 questions

Inductive Reasoning
1 tests | 10 questions

Mechanical Reasoning
1 tests | 10 questions

Financial Reasoning
1 tests | 10 questions

Spatial Reasoning
1 tests | 10 questions

Logical Reasoning
1 tests | 10 questions

Prepare yourself for leading employers

BBC Deloitte. HSBC amazon Google NHS Civil Service