



Practice Test

Level C



TestPrep - Online



Introduction

The purpose of this practice test is to prepare students for the Naglieri Nonverbal Ability Test (NNAT) so that they will be familiar with the different types of questions that will appear on the test. With the help of this practice test, students will learn to mark their answers properly and gain confidence prior to taking the test. Understanding what to expect on the test will improve your child's chances of success as well as help reduce his/her anxiety on test day.

The NNAT2 contains 48 questions, and children are allotted approximately 30 minutes to complete the test. The sample test below contains 10 practice questions for the NNAT2 Level C.

Additional Practice

For full-length practice tests, hundreds of sample questions, study guides, and helpful information, go to:

<http://www.testprep-online.com/>



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Directions

Questions 1-2 (Pattern Completion)

About Pattern Completion

In Pattern Completion items, students are shown a design and asked to identify which portion is missing. In order to reach the answer, the child must conceptually extend the given pattern. Pattern Completion items appear in NNAT levels which are intended for elementary school aged children (such as kindergarten, first, and second grades) because they are among the simpler types of NNAT questions.

Directions

Look at the design in the large rectangle while paying attention to the missing square. Which answer choice completes the design?

[Additional Tips](#)

Questions 3-5 (Reasoning by Analogy)

About Reasoning by Analogy

In Reasoning by Analogy questions, students are expected to recognize relationships among various geometric shapes. To determine which answer choice is correct, the student must determine how the geometric objects change as one moves across the rows and down the columns of the design. Reasoning by Analogy questions require that the student pay careful attention to the details of the design and work with more than one dimension (shape and shading) simultaneously. Reasoning by Analogy questions appear in NNAT Level A (kindergarten), NNAT Level B (1st grade), and NNAT Level C (second grade).

Directions

Look for a relationship between the figures across the rows and down the columns. The direction in which you examine the question should depend on where you can most easily visualize the analogous relationship.

[Additional Tips](#)



Questions 6-8 (Serial Reasoning)

About Serial Reasoning

Serial Reasoning questions assess the test taker's ability to supply a missing element in a given matrix comprised of geometric shapes. Each matrix is composed of nine boxes in a three-by-three grid. The test taker is to determine which answer choice belongs in the empty box in the bottom right-hand corner of the grid.

Directions

Identify the image which completes the pattern by examining how the series of shapes change across the rows and down the columns within the matrix. Where you can most easily visualize the relationship will determine the direction in which you examine the question.

[Additional Tips](#)

Questions 9-10 (Spatial Visualization)

About Spatial Visualization

Spatial Visualization questions require students to mentally manipulate shapes. These items are among the most difficult in the NNAT, especially in questions which involve shapes that intersect in ways which are difficult to recognize or involve rotation.

Spatial Visualization questions are commonly seen on aptitude tests, pre-employment tests, and admission tests to certain academic institutions. NNAT Levels C-G include Spatial Visualization items.

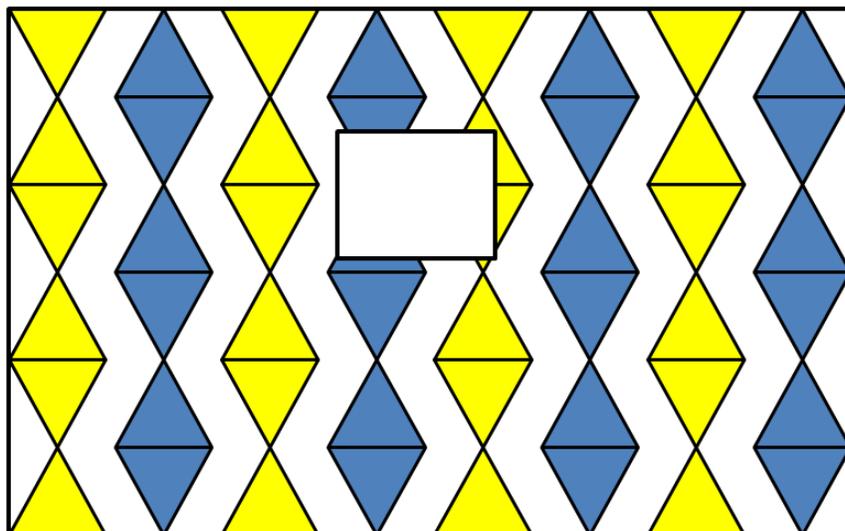
Directions

Determine how the figures relate to each other, and apply this relationship to the row with the empty frame. Visualize how the objects might look when rotated, transformed, or combined.

[Additional Tips](#)

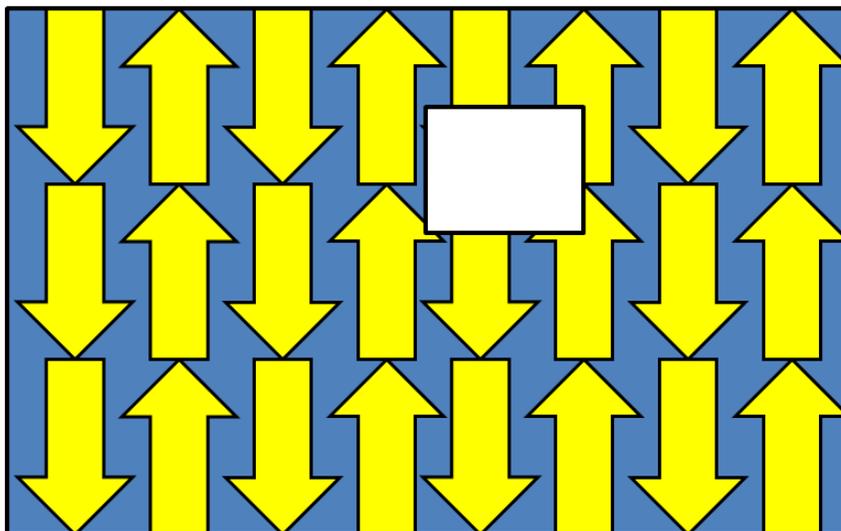


1



- A B C D E
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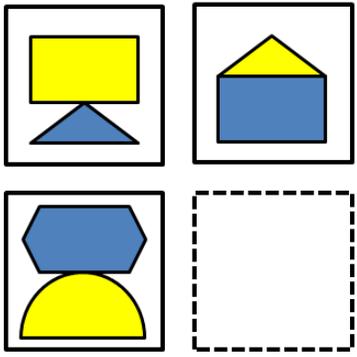
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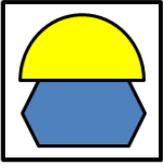
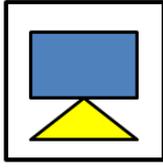
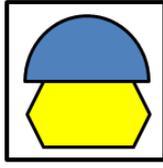
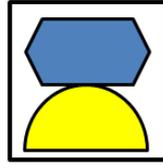
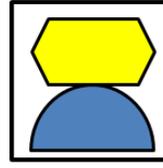


- A B C D E
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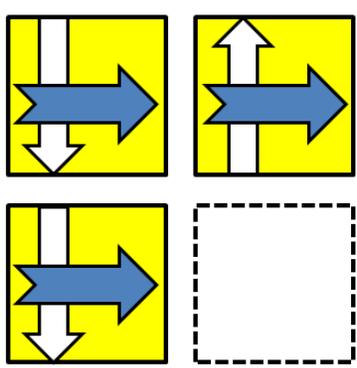


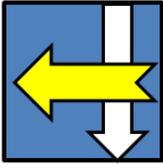
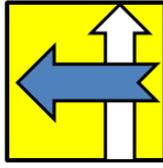
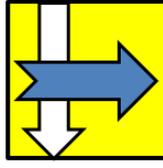
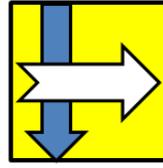
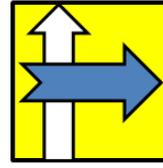
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- A

- B

- C

- D

- E


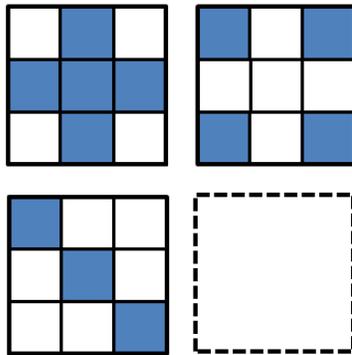
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- A

- B

- C

- D

- E


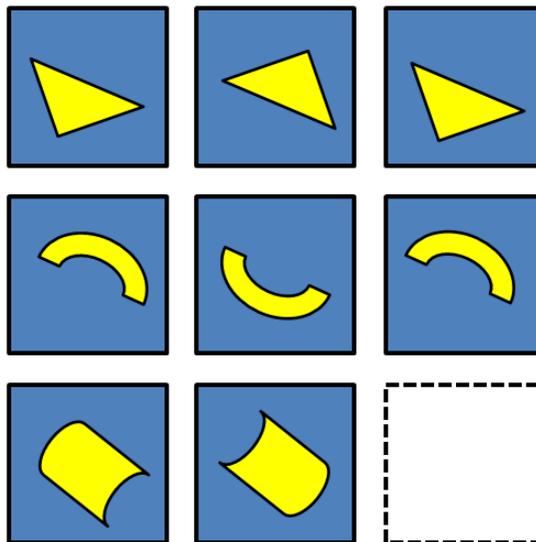


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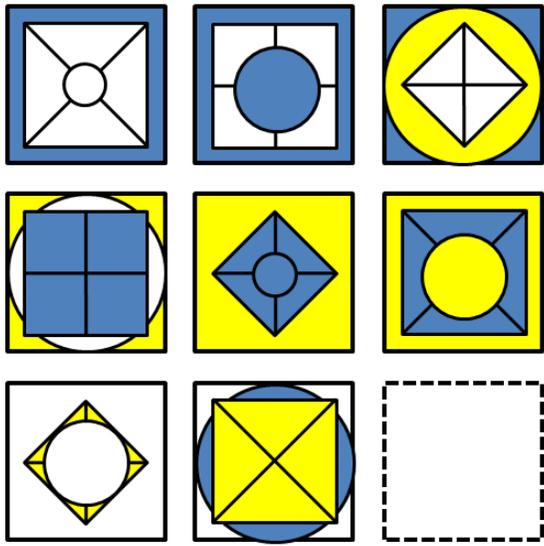
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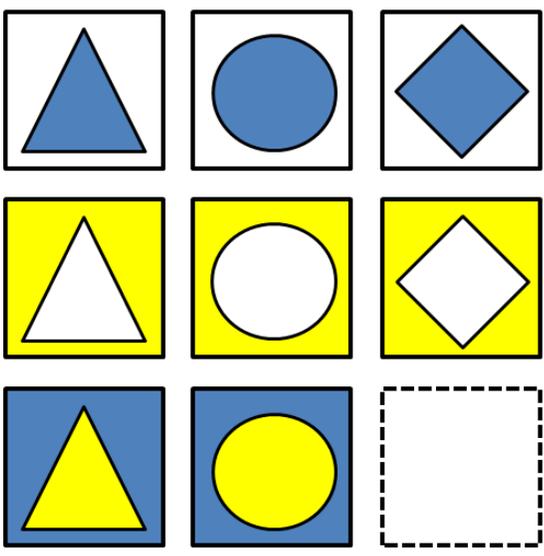


7



- A
- B
- C
- D
- E

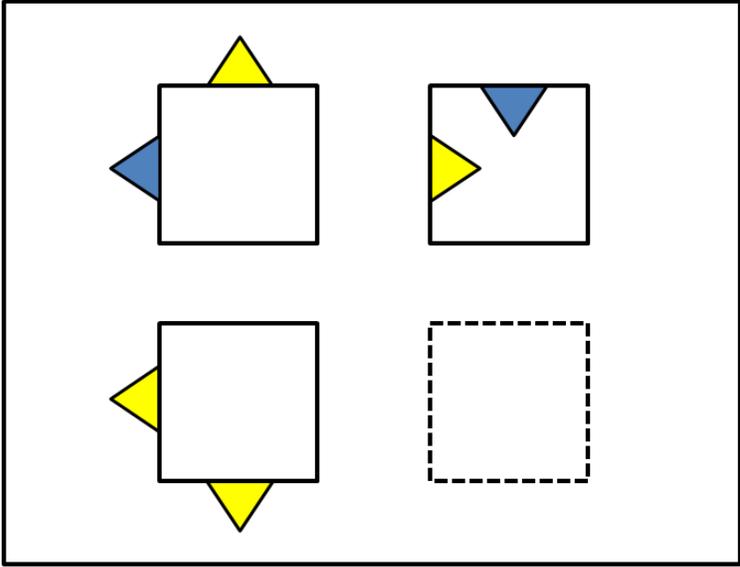
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- A
- B
- C
- D
- E

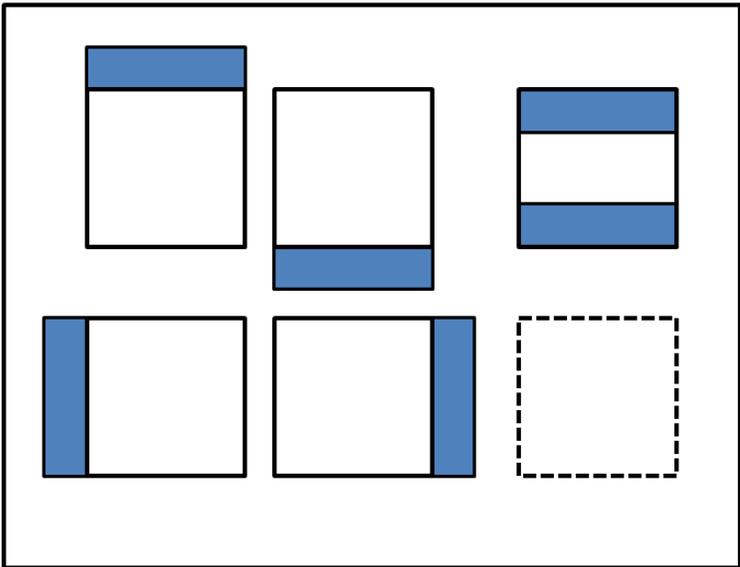


9



- A
- B
- C
- D
- E

10



- A
- B
- C
- D
- E



Answers & Explanations

1. **The correct answer is A.**

Begin by looking at the left side of the empty square and parts of the design which correspond to the same section. As the image appears to be symmetrical, we will need to extend the two blue diamonds across the empty square. This will create a blue "x" design on the left side of the square. We do not need to evaluate other parts of the design as answer choice A is the only answer choice which adheres to these requirements.

2. **The correct answer is E.**

The design above is comprised of yellow arrows with a blue background. Imagine extending the design across the empty square. We can see that an arrow tip pointing downwards will need to extend from the top-left side of the square. We can eliminate answer choices A, B, and C, as they do not exhibit this property. Additionally, extend a diagonal and vertical line to continue the arrow which is positioned in the top-right corner of the square. We can eliminate answer choice D. We are left with answer choice E as the correct answer.

3. **The correct answer is C.**

Look at the top row. The figure on the left contains a yellow rectangle on top of a blue triangle, while the figure on the right contains a yellow triangle on top of a blue rectangle. The colors and positions of the shapes switch.

The figures in the bottom row will exhibit the same relationship. Since the figure on the left is a blue hexagon on top of a yellow semicircle, the figure on the right will be a blue semicircle on top of a yellow hexagon (answer choice C).

4. **The correct answer is E.**

Look at the left column. The top figure is identical to the bottom figure, as both contain a blue arrow pointing to the right and a white arrow pointing downward, in a yellow background. The figures in the right column will exhibit the same relationship. Since the top figure is a blue arrow pointing to the right and a white arrow pointing downward in a yellow background, the bottom figure will be exactly the same. Thus, the correct answer is answer choice E.

5. **The correct answer is E.**

In the above design, the parts of the grid that are white in the left frame are inverted and become white in the subsequent frame, and vice versa. Take a look at the top row. In the left figure, the blue squares form a plus sign and the remaining squares are white. In the right figure the white squares form a plus sign and the remaining squares are blue.

Now look at the bottom row. The figures in the bottom row will adhere to the same rules. The right figure will exhibit the same pattern as the left figure, only with inverse colors. The answer choice contains mainly blue squares and white squares in a diagonal pattern which extends from the top-left corner to the bottom-right corner of the square (answer choice E).

6. **The correct answer is B.**

In the above analogy, the figures rotate 180 degrees ($\frac{1}{2}$ a circle) across the rows from frame to frame. Look at the top row. If the triangle in the first frame is rotated 180



degrees, it will result in the triangle in the middle frame. If the triangle in the middle frame is rotated 180 degrees, it will result in the triangle in the right frame. The same relationship is present in the middle row.

The figures in the bottom row follow the same rule. Rotating the figure in the first frame 180 degrees results in the figure in the middle frame. Rotating the figure in the middle frame 180 degrees will result in the last figure (answer choice B).

You can also solve this question by realizing that two consecutive rotations of 180 degrees will result in a full circle rotation (360 degrees). This means that rotating the first figure 180 degrees two times results in the same figure before the first rotations. In other words, the figure in the first frame is identical to the figure in the last frame. Therefore, the correct answer is answer choice B.

7. The correct answer is D.

There are three types of shapes in the above figure: a square with diagonal lines, a square with a horizontal and vertical line, and a diamond with a horizontal and vertical line. Each row and column contains one of each type of figures. Since the right column and bottom row do not contain a square with a horizontal and vertical line, the answer choice will contain this type of figure. We can eliminate answer choice B.

Additionally, across the rows there is a pattern associated with the colors. In the first row the background color is blue and the figures are white. In the second row the background color is yellow and the figures are blue. In the third row the background color is white and the figures are yellow. We can eliminate answer choices A and C, as they do not contain white backgrounds and yellow figures.

In the matrix each frame contains a circle. The color of the circle depends on the column. The circles in the right column are white, the circles in the middle column are blue, and the circles in the last column are yellow. We are left with answer choice D as the correct answer.

8. The correct answer is A.

In this question, each column contains the same shape. In the first column all of the shapes are triangles. In the second column all of the shapes are circles. In the third column all of the shapes are diamonds. Since the empty square is located in the third column, the answer choice will contain a diamond. We can eliminate answer choices B and E.

Additionally, each row contains the same shape color and background color. In the first row the shapes are blue and the background color is white. In the second row the shapes are white and the background color is yellow. In the third row the shapes are yellow and the background color is blue. Since the empty square is located in the third row, the shape will be yellow and the background color will be blue. Answer choice A conforms to the above requirements and is the correct answer.

9. The correct answer is C.

Look at the top row. The left frame contains two triangles on the outside of the frame: a yellow triangle on the top side and a blue triangle on the left side. In the right frame, both triangles remain in the top and left sides of the frame, but are flipped inward. Additionally,



the colors of the triangles switch.

Now, look at the bottom row. The figures in the bottom row will exhibit the same relationship. Since the left frame contains two yellow triangles on the outer left and bottom sides of the frame, the right frame will contain two blue triangles on the inner left and bottom sides of the frame. Answer choice C adheres to the above requirements.

10. The correct answer is D.

Look at the top row. The left frame contains a rectangle on the outer top side of the frame. The middle frame contains a rectangle on the outer bottom side of the frame. The frame on the right combines both of the figures, flipped inwards.

The figures in the bottom row will exhibit the same relationship. The left and middle frames contain rectangles on the outside of the left and right sides of the frames, respectively. The frame on the right will combine both of the figures, flipped inwards. Answer choice D adheres to these requirements and is the correct answer.

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