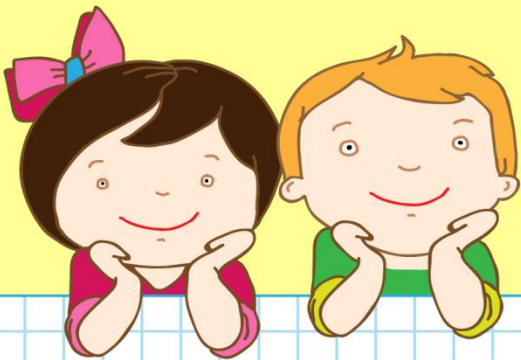


NYC
Gifted & Talented
Assessment

Practice Test

2nd Grade



TestPrep - Online



Introduction

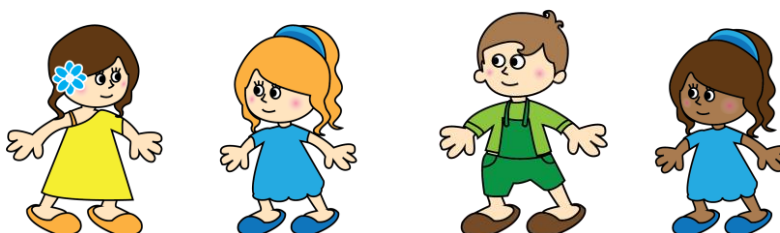
The purpose of this practice test is to prepare students for the NYC Gifted and Talented Assessment so that they will be familiar with the different types of questions that will appear on the test. With the help of this practice test, students will learn to mark their answers properly and gain confidence 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 NYC Gifted and Talented Assessment contains both *nonverbal* and *verbal* question types. The nonverbal component of the test is comprised of Naglieri Nonverbal Ability Test (NNAT) questions and the verbal component of the test is comprised of Otis-Lennon School Ability Test (OLSAT) questions. The sample test below contains ten practice questions for the NYC Gifted and Talented Assessment.

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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Part 1

Nonverbal Practice Test



Directions

Questions 1-2 (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.

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 3-5 (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 6-7 (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.

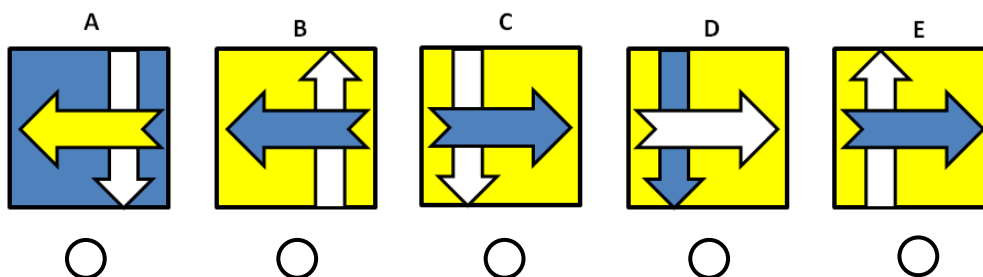
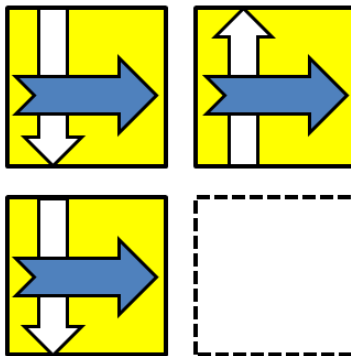
Directions

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.

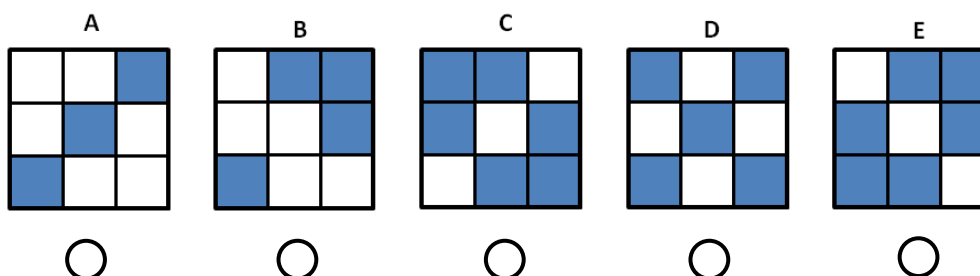
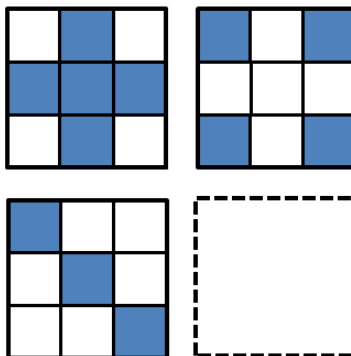
[Additional Tips](#)



1

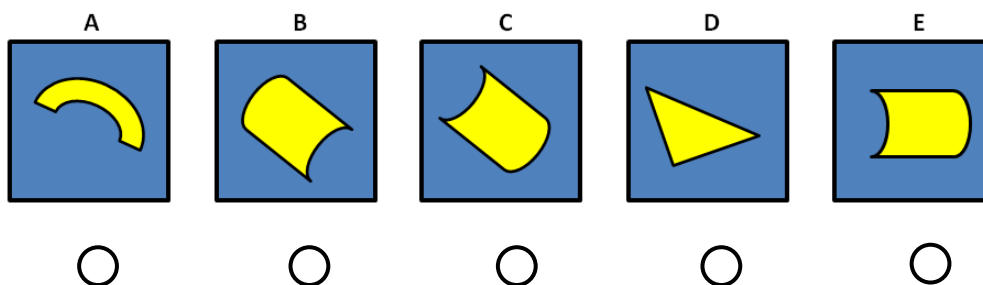
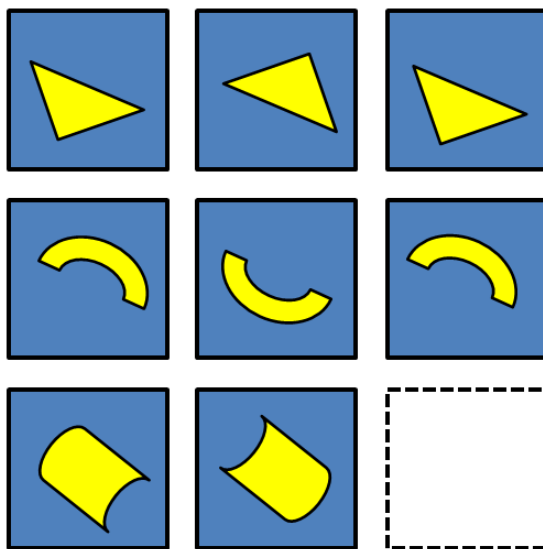


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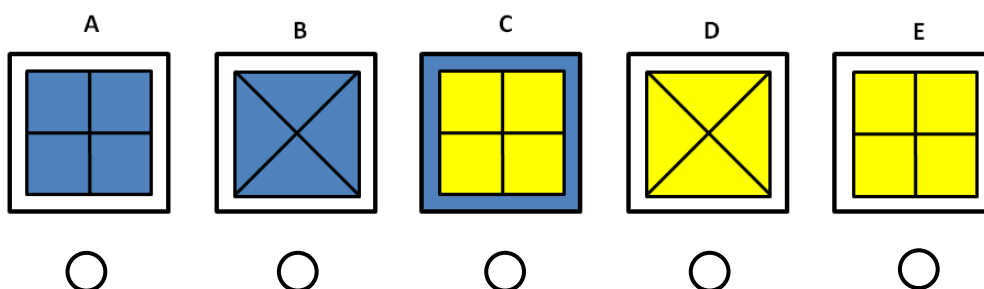
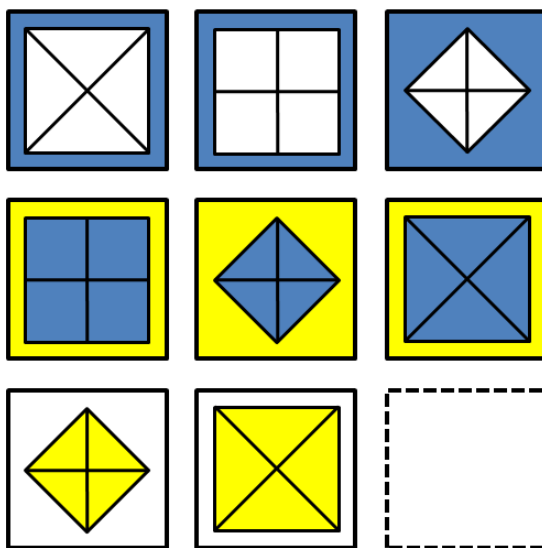




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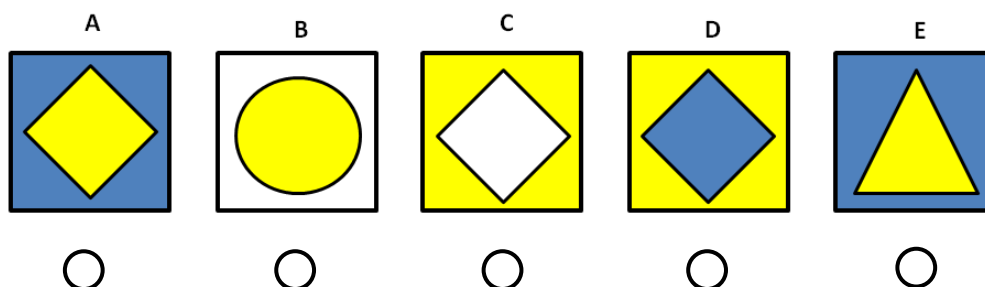
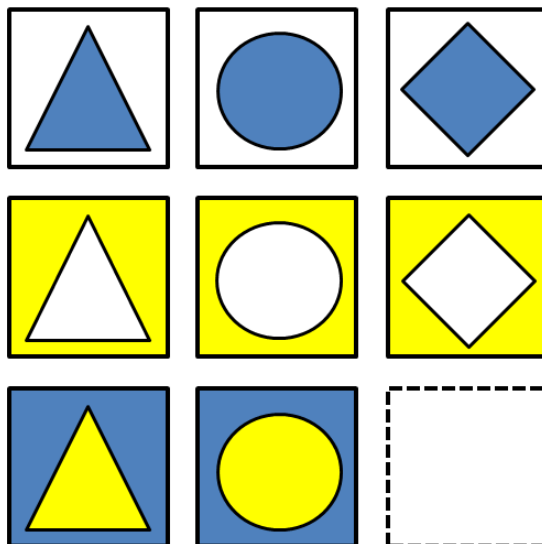


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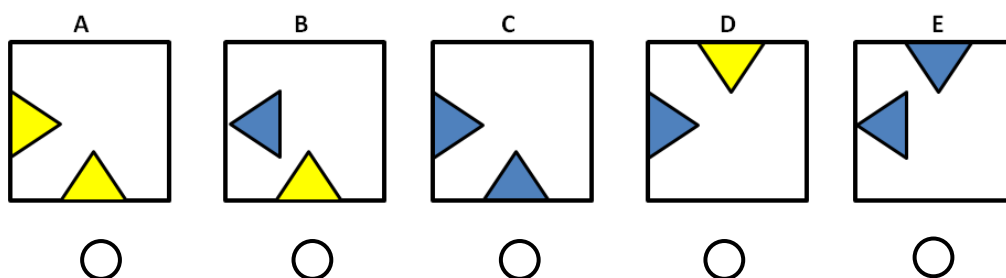
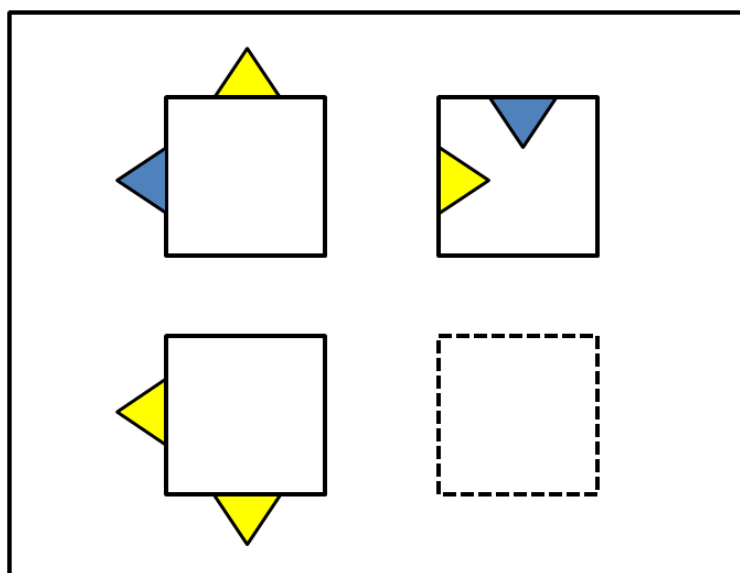




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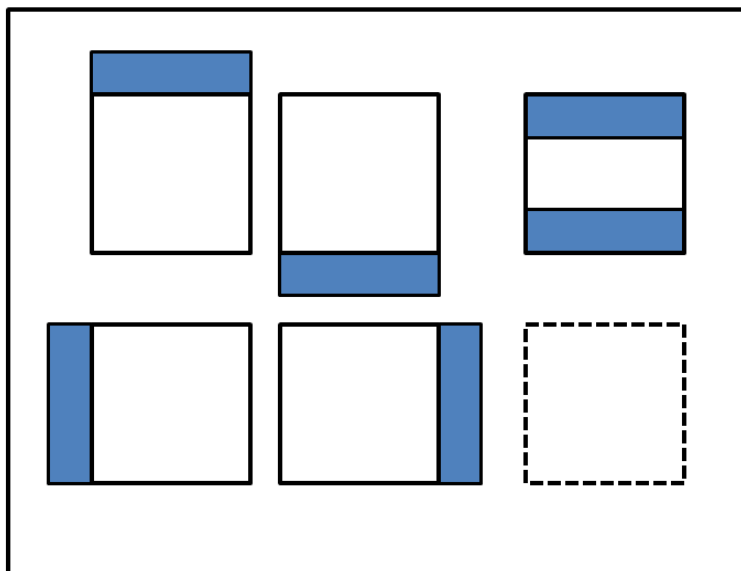


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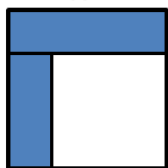




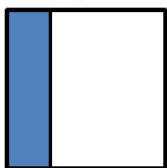
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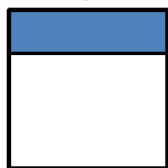
A



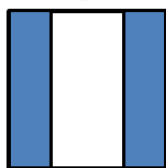
B



C



D



E





Part 2

Verbal Practice Test



Directions

Read the questions below to your child. If you make a mistake in reading a question, stop, and say, “No that is wrong. Listen again.”

Children should be allotted approximately one minute to answer the question after it has been read. As this test is not scored, we recommend that students receive as much assistance as necessary to correctly solve the questions.

Questions

8. Mark the picture that shows a joey (baby kangaroo) peeking out of its mother's pouch, with a koala hanging from a tree and a bird chirping in the background.
9. Mark the picture that shows stars placed on each corner of the triangle.
10. Which clothes are worn in pairs?



8



☐



☐



☐



☐

9



☐



☐



☐



☐



10



○



○



○



○

END



Answers & Explanations

1. **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.

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

In the above design, the parts of the grid that are white in the left frame are inversed 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).

3. **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.

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

The matrix is composed of three types of figures and three background colors. Across the rows, the top row contains a blue background, the middle row contains a yellow background, and the bottom row contains a white background. We can eliminate answer choice C as it contains a blue background. Additionally, the bottom row contains yellow figures. We can eliminate answer choices A and B, as they contain blue figures.

Notice that each row and column contains one of each type of figures (a square with two diagonal lines, a square with a horizontal and vertical line, and a diamond with a horizontal and vertical line). The right column and bottom row each include a diamond



with a horizontal and vertical line and a square with two diagonal lines. Thus, the answer choice will contain a square with a horizontal and vertical line. We are left with answer choice E.

5. 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.

6. 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.

7. 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.

8. The correct answer is D.

First look for a picture of a joey peeking out of its mother's pouch. We can eliminate answer choices B and C, as the joeys in these frames are standing beside their mothers. We are left with answer choices A and D. Notice that though answer choice A does contain a picture of a koala hanging from a tree, it does not contain a chirping bird. We can eliminate answer choice A and are left with answer choice D as the correct answer.

9. The correct answer is A.

Answer choice A shows a picture of a triangle with a star on each of its corners.

10. The correct answer is A.



Boots, socks, and mittens are worn in pairs. While the other options show items worn in pairs, answer choice A is the only option in which all of the clothing items displayed are items worn in pairs.

[Click here for additional practice tests, sample questions, and information.](#)

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