



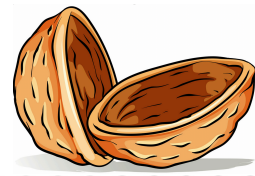
TestingMom.com

INVOLVED PARENTS. SUCCESSFUL KIDS.

Preparing for the NNAT Test



A copy of this presentation and a recording will be available on testingmom.com/classes in the next day (or so!)



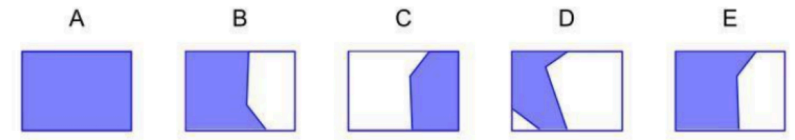
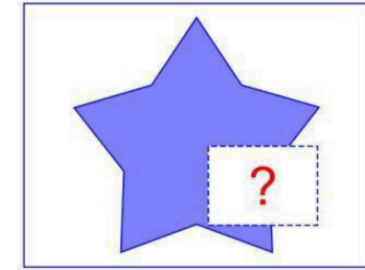
NNAT 2 or 3 In-A-Nutshell

- **Cognitive.** Test assesses reasoning and thinking skills, not academic abilities that students learn in school. It is a nonverbal, culturally neutral test, which means that all questions rely on abstract shapes and figures, not words and language.

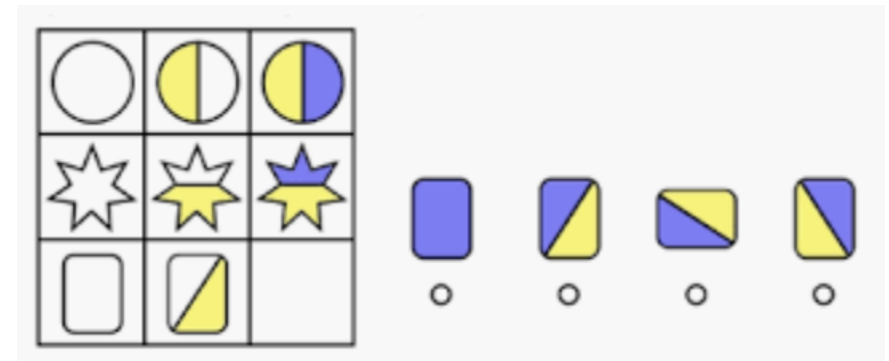
4 parts to the test.

- 1) Pattern Completion,
 - 2) Reasoning by Analogy,
 - 3) Serial Reasoning,
 - 4) Spatial Visualization (2 different types of questions).
- **Levels.** The distribution of question-types changes with each level. Levels A – C have more Pattern Completion and Reasoning by Analogy. Levels D – G have more Reasoning by Analogy, Serial Reasoning and Spatial Visualization.

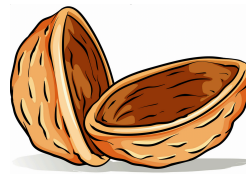
Grade	NNAT Level
K	A
1	B
2	C
3 and 4	D
5 and 6	E
7, 8, and 9	F
10, 11, and 12	G



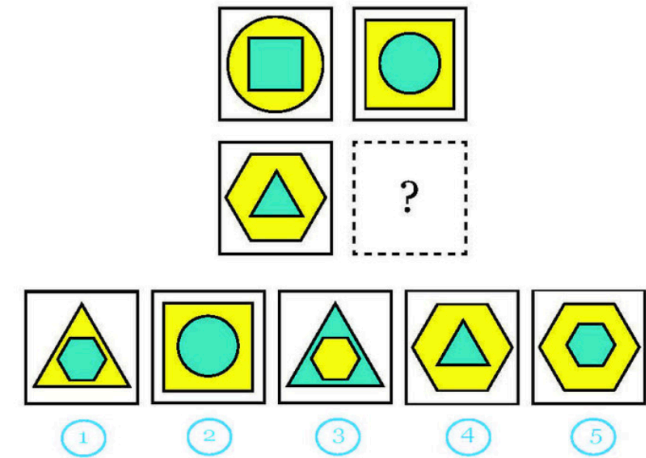
Pattern Completion



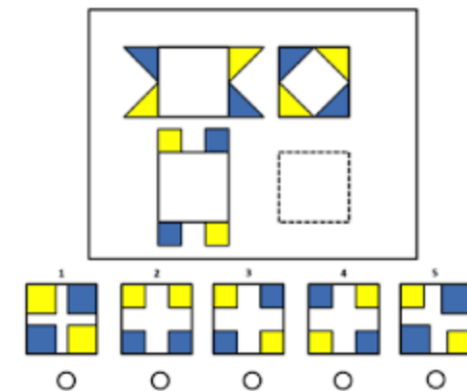
Serial Reasoning



- Administration.** 48 questions given by **pencil/paper** or on **computer**. Usually administered in **groups**. Teacher takes students through each type of sample item. No additional verbal instructions are given. The instruction is the same for all questions: **What goes in the empty box?** Once the test begins, students **work at their own pace** (about 30 minutes).
- Score required** to qualify for gifted programs will **vary** by school district. Children are compared to other children within 3 months of their age.
- NNAT 2 vs. 3.** Both tests use 4 colors: black, white, yellow and blue. NNAT 2 uses a different shade of blue for a 5th color. **NNAT 3 uses green for a 5th color.** This was done to accommodate students with color-vision deficits. **NNAT2 will go away June 30.**

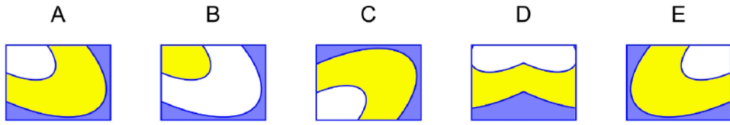
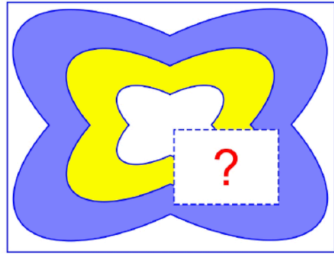


Reasoning by Analogy

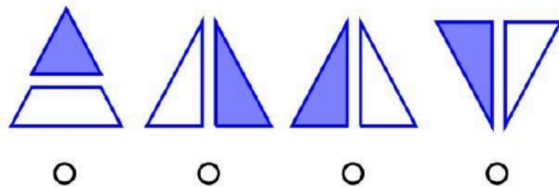
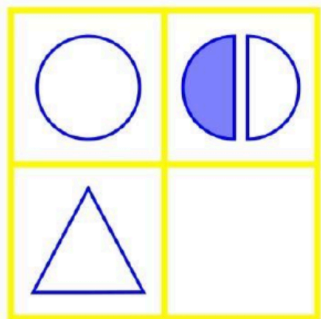


Spatial Visualization

1. Pattern Completion

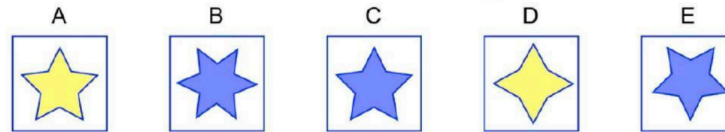
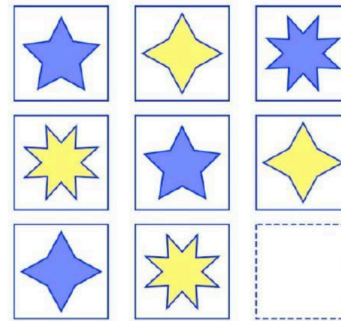


2. Reasoning by Analogy



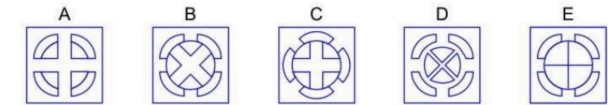
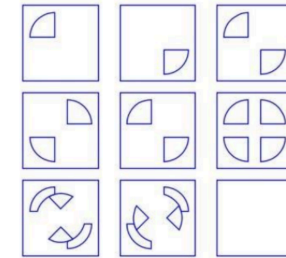
What belongs in the empty box?

3. Serial Reasoning

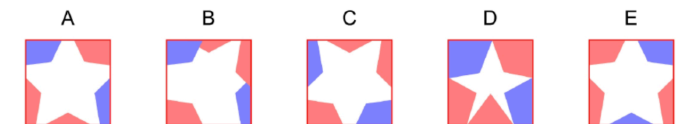
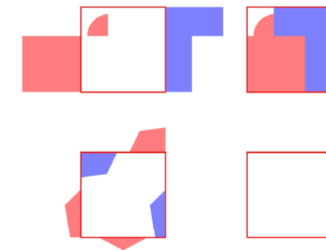


4. Spatial Visualization

Combination

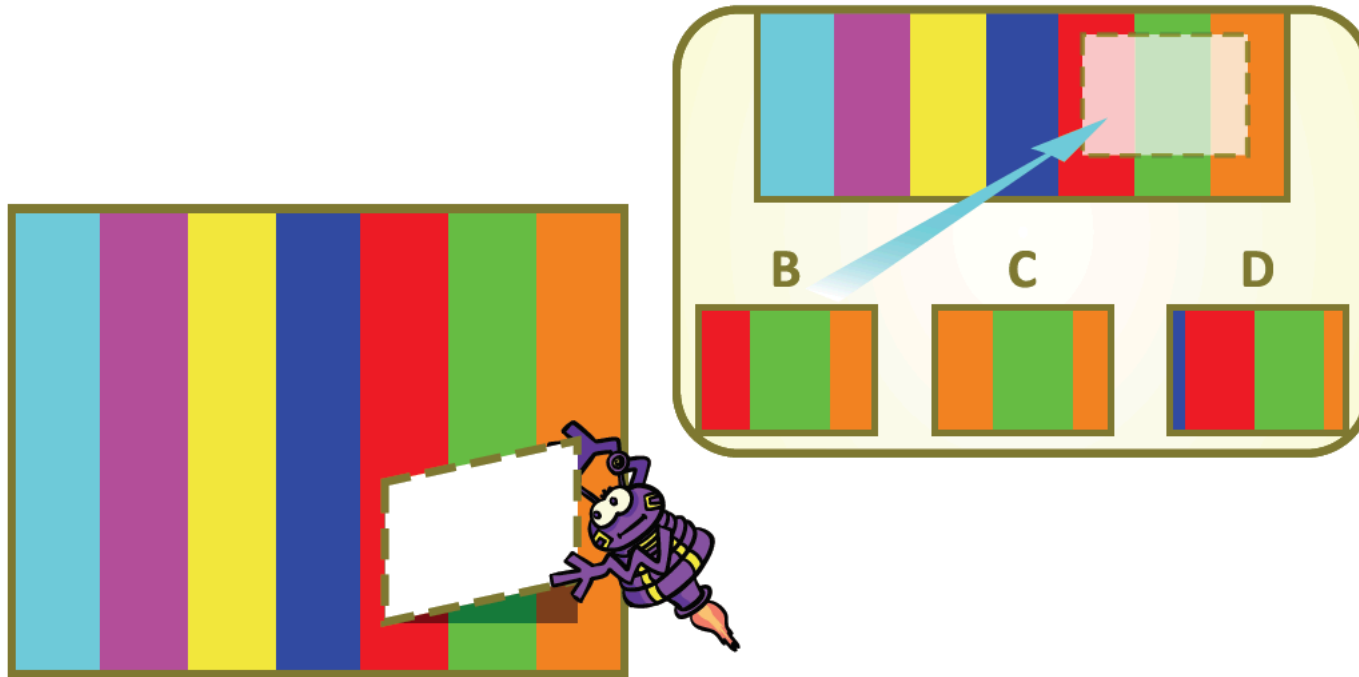


Folding

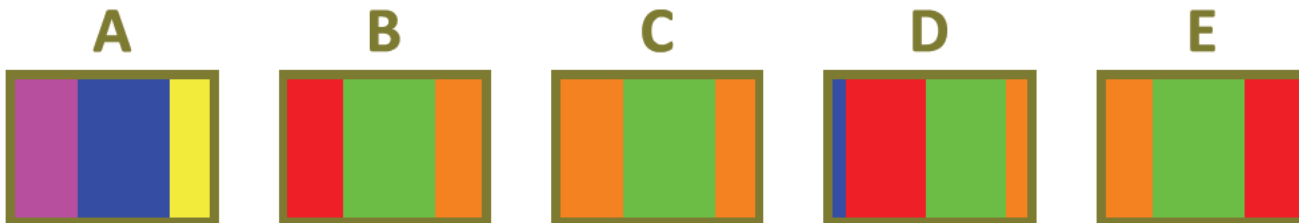


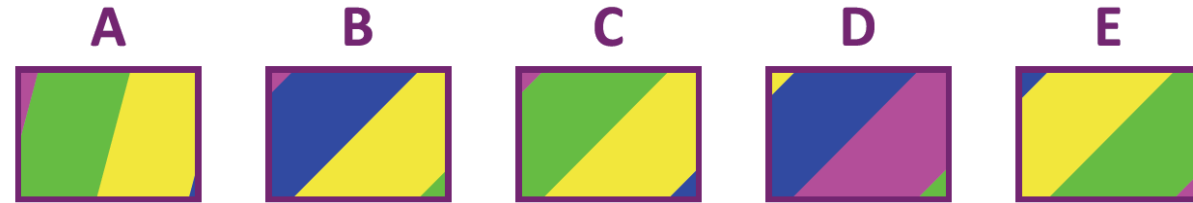
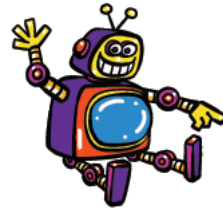


Tips for Solving Pattern Completion Puzzles



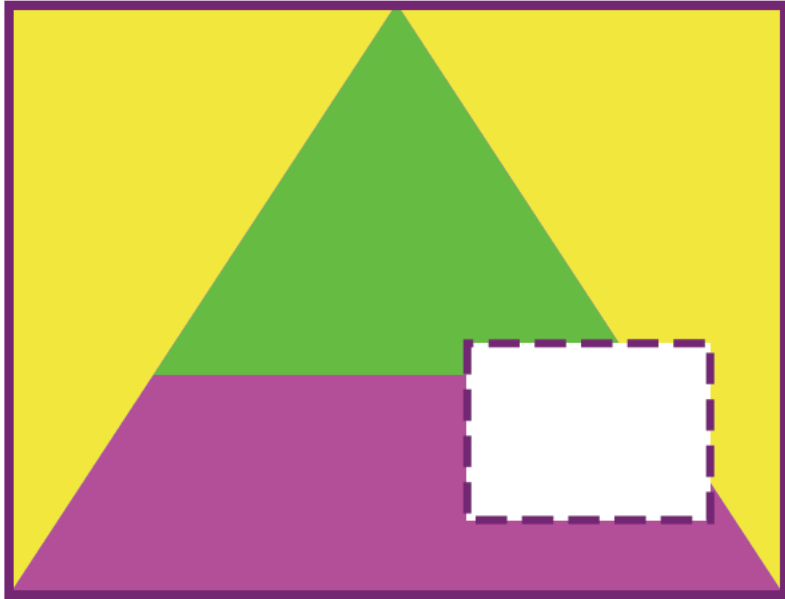
TIP: Tell your child to look for what is beneath the imaginary white card that is covering up part of the puzzle. Imagine that the red stripe continues up beneath the white card. Touch where the green stripe would be under the card. Look for an answer choice where the red, green and orange stripes are where they should be beneath the white card.



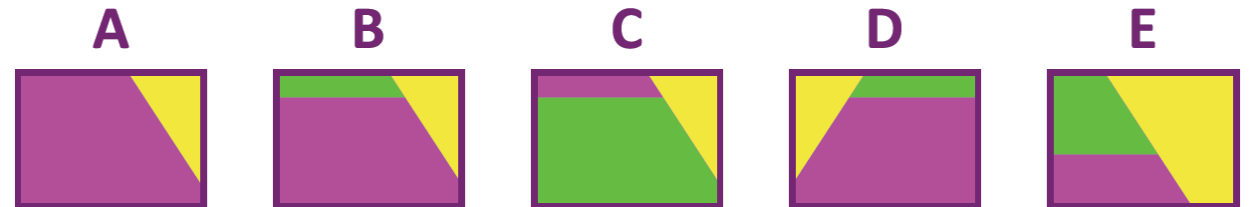
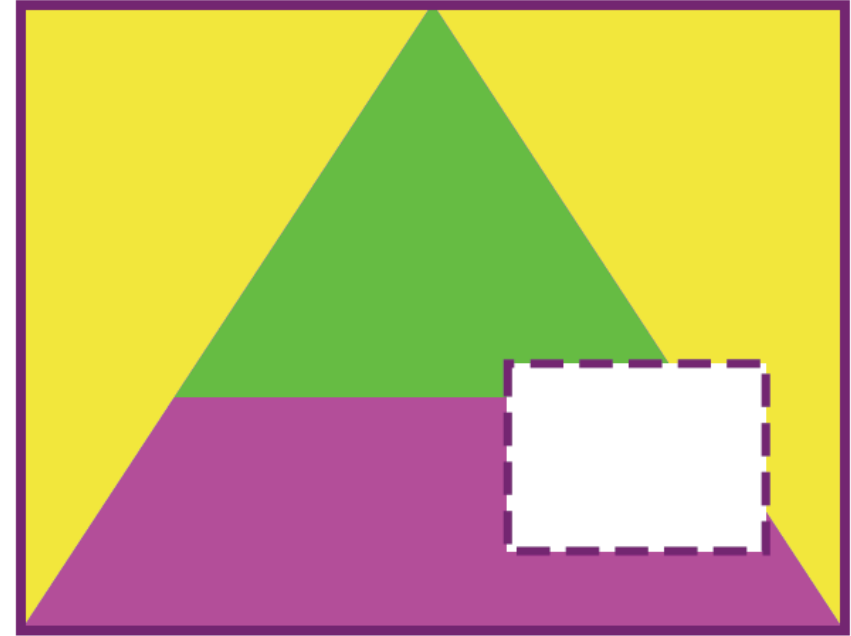


TIP: Cover up the answer choices. Ask your child to describe what the answer choice should look like. We will need a small purple triangle in the top left corner. Then there will be a large green diagonal stripe with a yellow diagonal stripe next to it. There's a tiny bit of blue in the bottom right corner.

Can you find the answer choice you described?



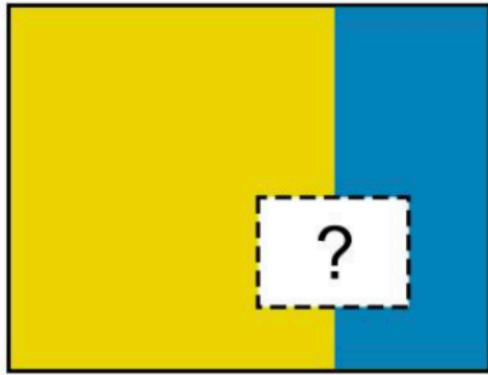
Tip: Show your child how to use their finger to trace where the lines need to continue beneath the white box to complete the pattern. After they trace the lines with their fingers, have them say where the colors will be in the answer.



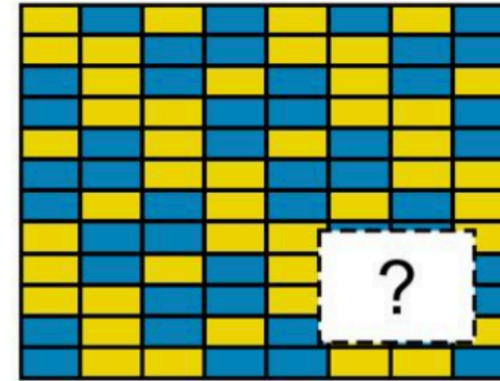
Can you find the answer choice you traced and then described?



Tips For Solving Pattern Completion Puzzles



- A
- B
- C
- D
- E



- A
- B
- C
- D
- E

These get difficult at the higher levels! But the solution can be found in the same way.

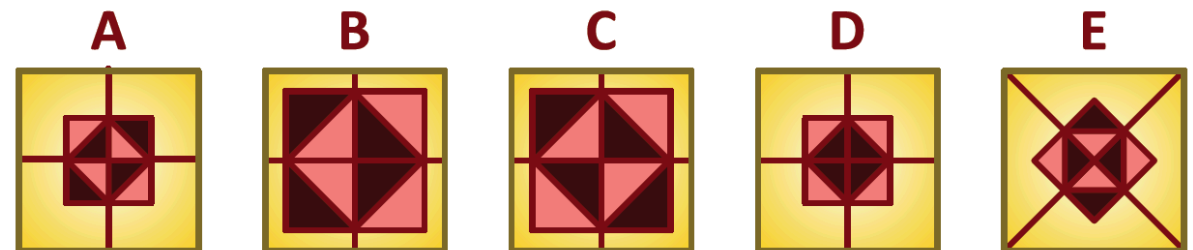
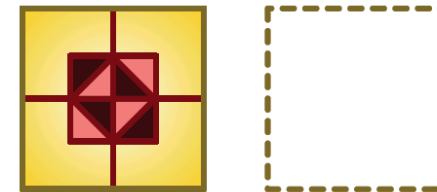


Learn the 10 Common Reasoning by Analogy Rules

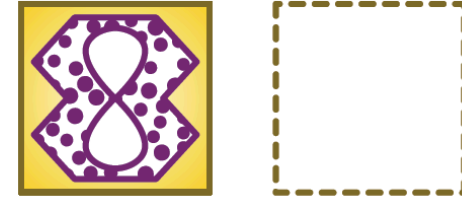
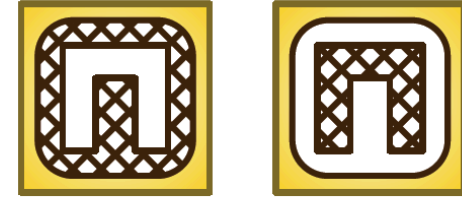
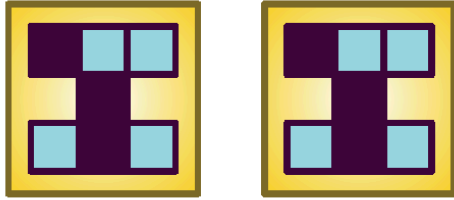
1. Figures stay the same
2. Change in color or shade
3. Change in quantity
4. Change in size
5. Change in shape
6. Piece is added or taken away
7. Pieces move or switch positions
8. Rotation
9. Mirror image or flip (vertical or horizontal)
10. Overall design to the puzzle

What is the relationship/rule between the first pair? Look for the exact same relationship between the second pair.

What belongs in the empty box?



Same figure goes from small to big.



A

B

C

D

E

A

B

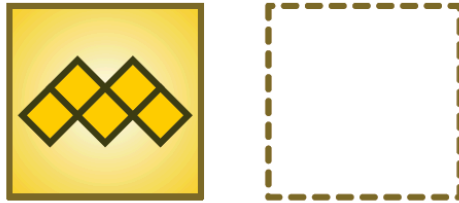
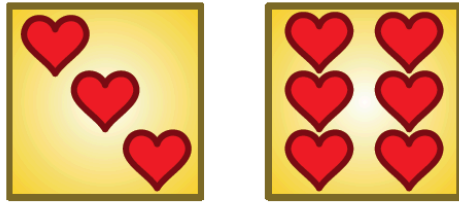
C

D

E

stays the same

color or shading changes



A

B

C

D

E



quantity changes



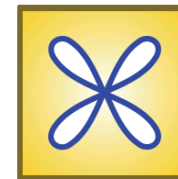
A

B

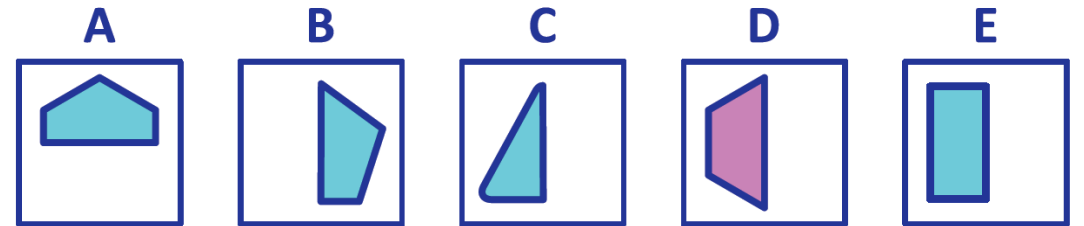
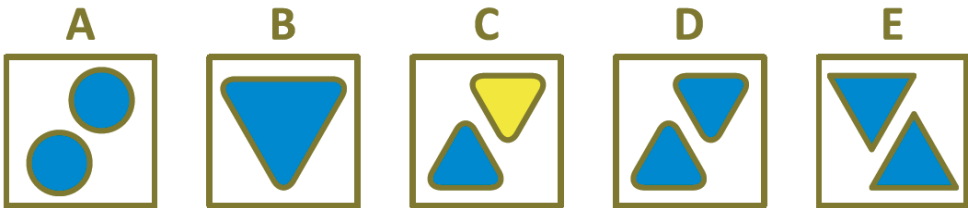
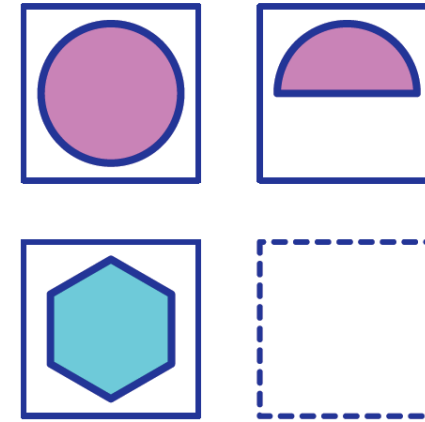
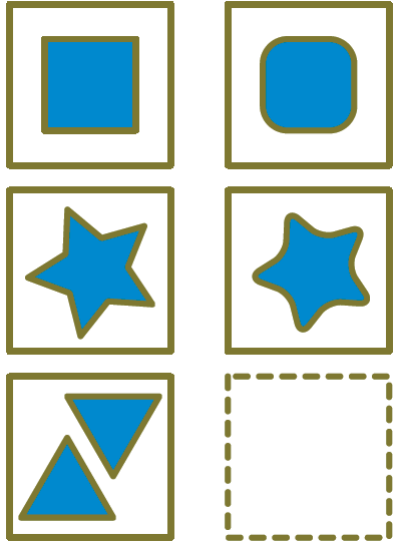
C

D

E

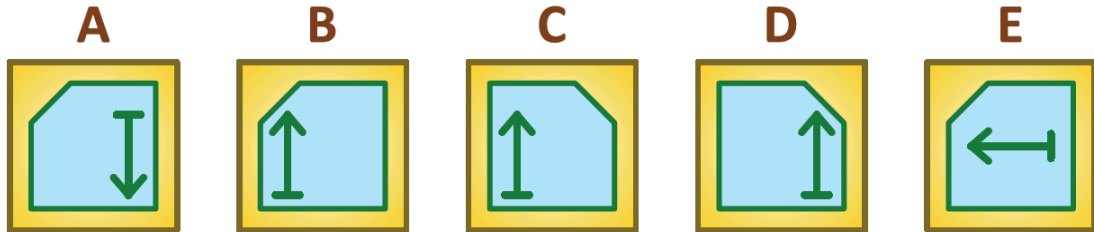
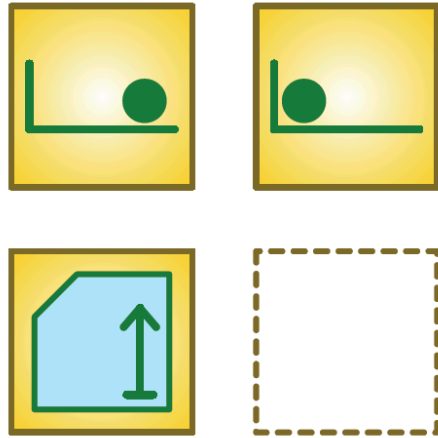


size changes

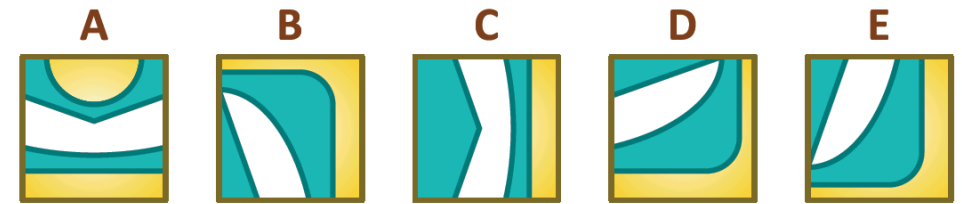
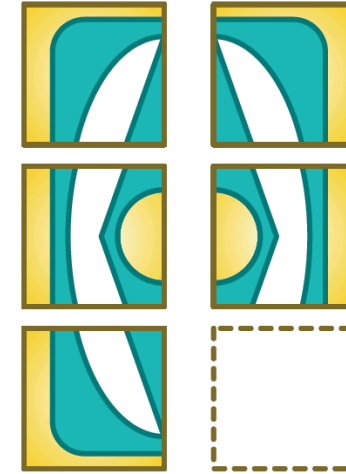


shape changes

piece is added or taken away



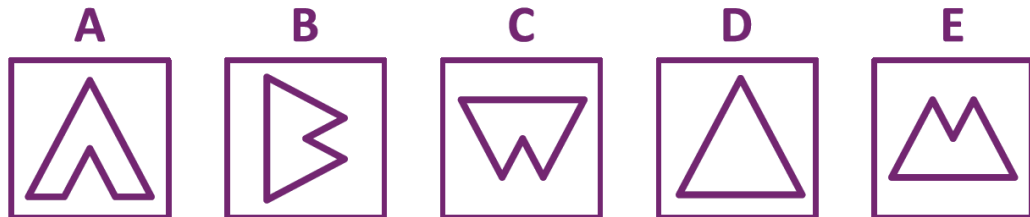
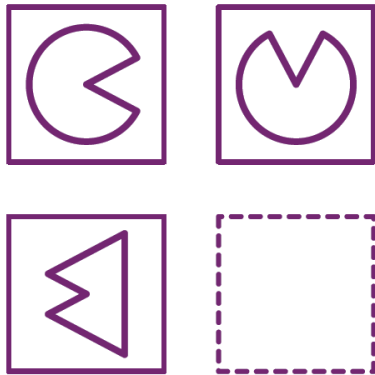
pieces move or switch positions



figures make an overall design

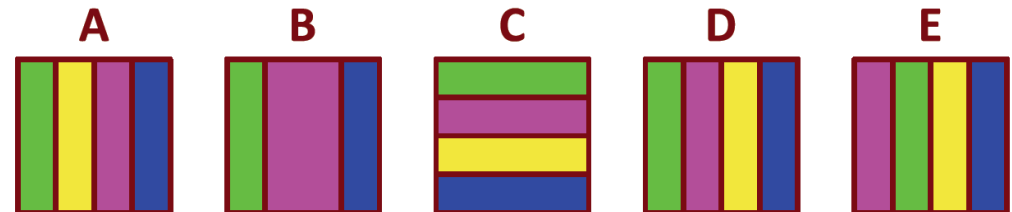
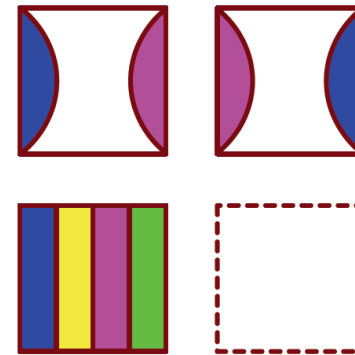


Tip: Use your thumb and middle finger to trace in the air how the picture rotates on top; then using the picture on the bottom trace the same rotation to find the answer.

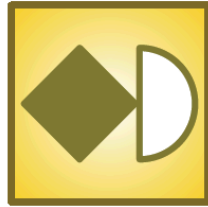


rotation

Tip: Use your thumb and middle finger to make an imaginary horizontal "flip" in the air of the first picture on top to show your child how it turns into the second picture.



flip or mirror image



A



B



C



D



E



Master the individual rules in order to analyze the multiple changes in harder puzzle:

1. **Size change** – outer shape
2. **Piece is taken away** – half of inside shape
3. **Piece moves** – other half of inside shape
4. **Color change** – outer shape takes on the color of the part of the inside shape that was taken away

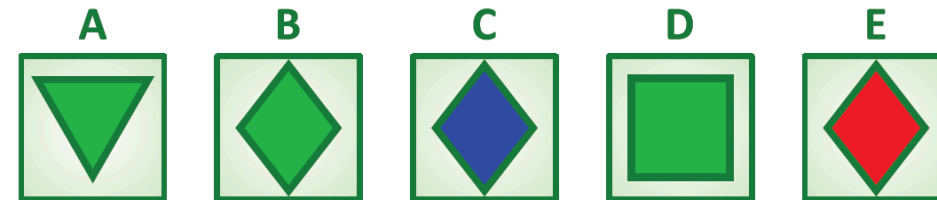
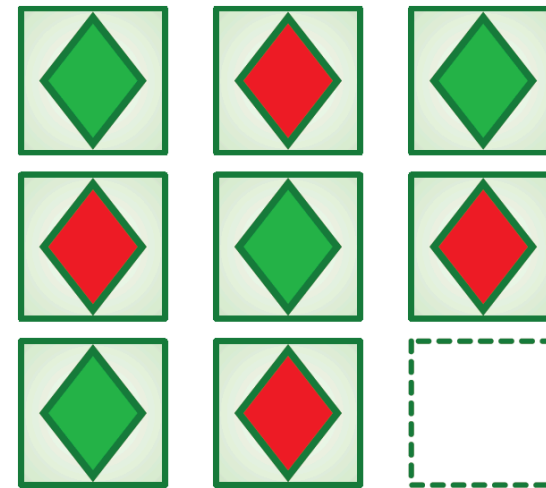
TIP: Talk through your reasoning out loud when learning to solve these puzzles.

Learn the 7 Common Serial Reasoning Rules

1. Figures stay the same
2. "Big 5"
3. Rotation across 9-Boxes
4. 2 of the Same, 1 Different
5. 3 of the Same
6. 2 Differences
7. 3 or More Differences

Can you spot the pattern up and down the columns and across the rows?

What belongs in the empty box?



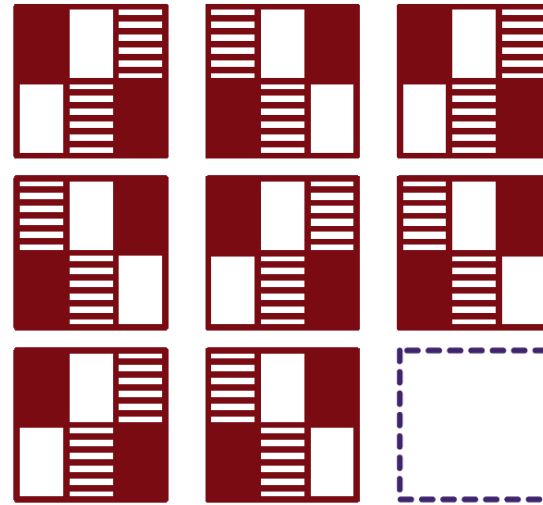
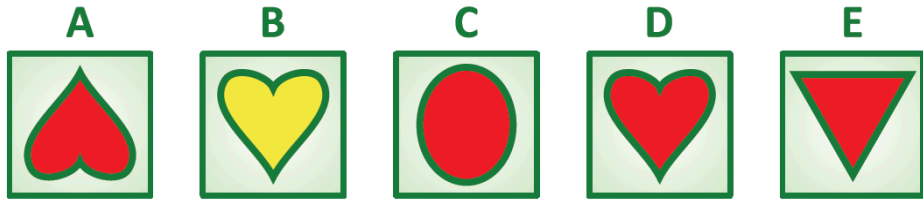
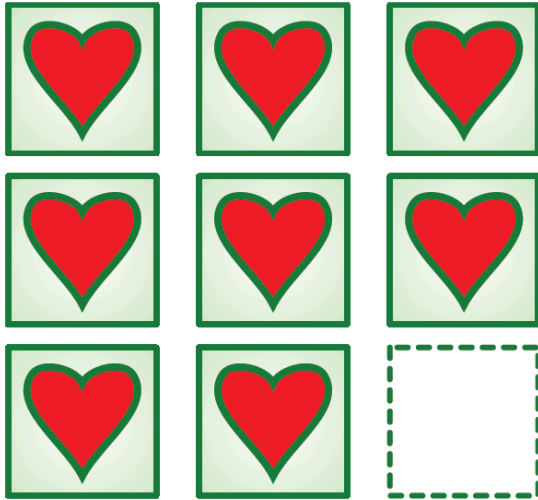
"The Big 5" Pattern

Tip: Teach your child to recognize this common "Big 5" pattern where the 4 corners and center squares contain the same 5 pictures; and the 4 boxes in between contain the same 4 pictures. You can also look at it as pictures alternating across 9 boxes or an A-B pattern.

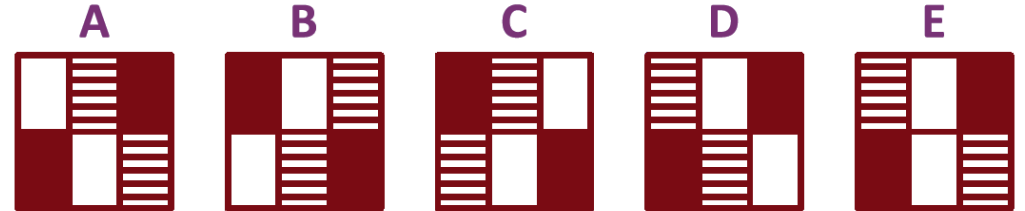


Tips for Solving Serial Reasoning Puzzles

same



the
"Big 5"

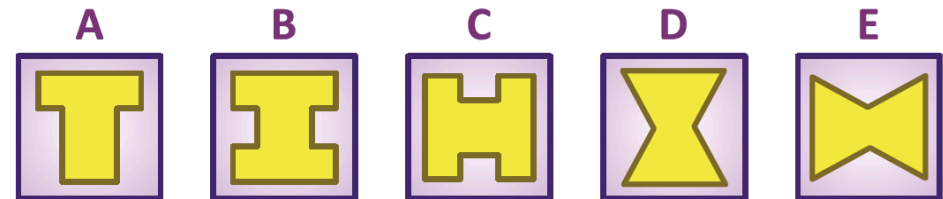
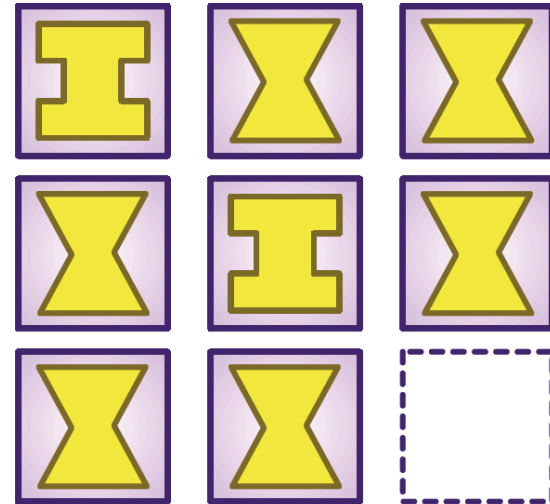
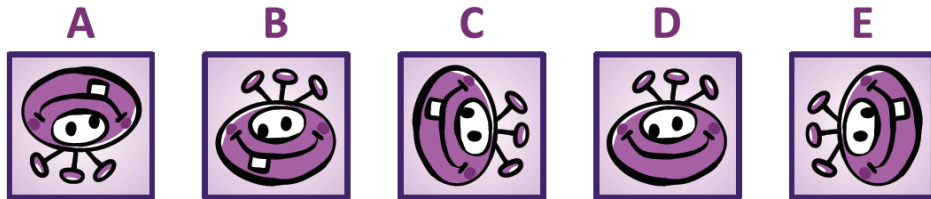
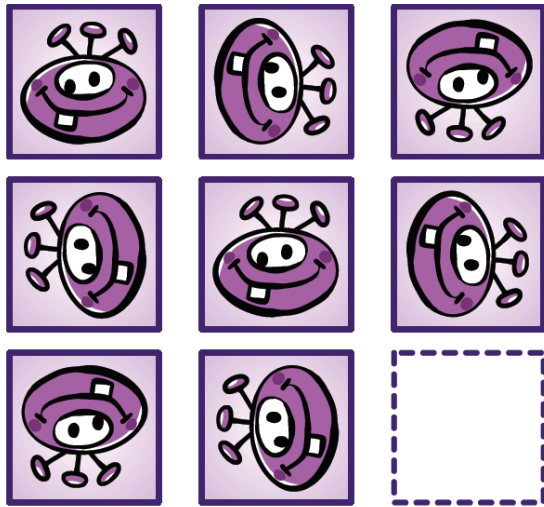


You learn to spot these through practice!



Tips for Solving Serial Reasoning Puzzles

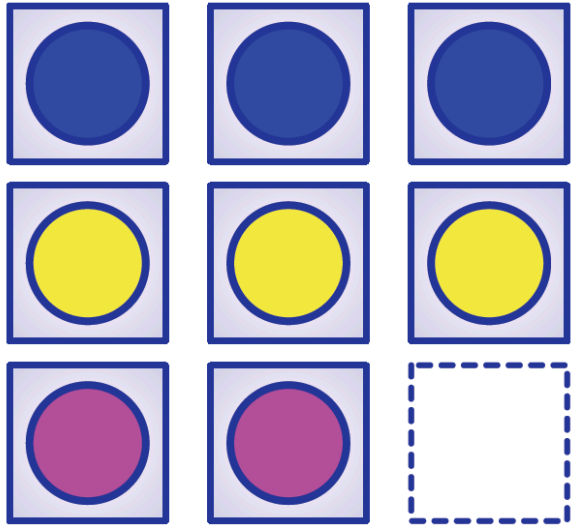
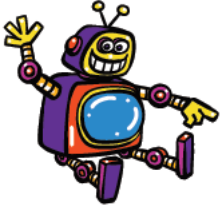
rotation
across
9-boxes



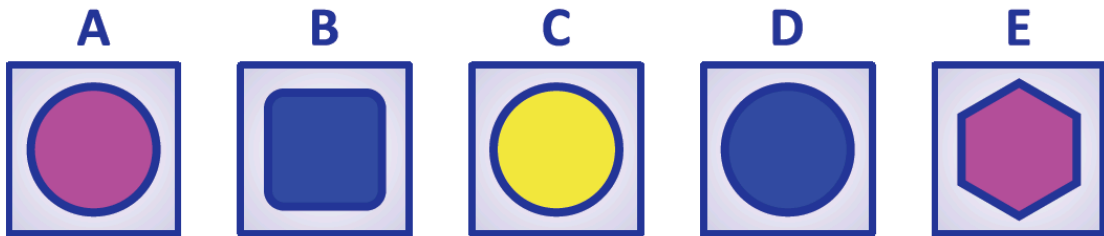
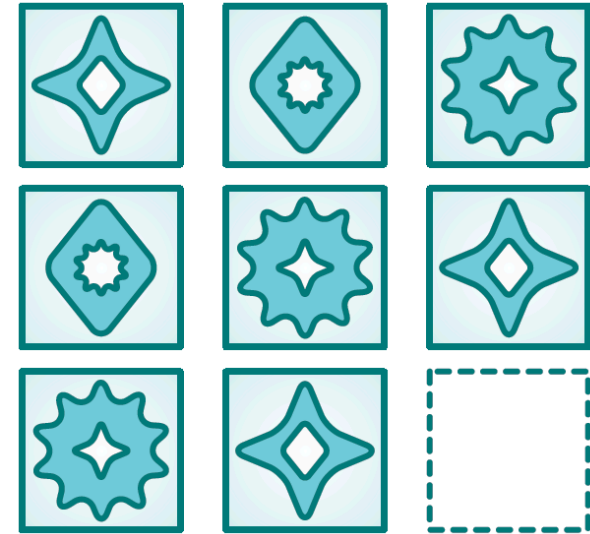
2 of the
same, 1
different



Tips for Solving Serial Reasoning Puzzles



3 of the same

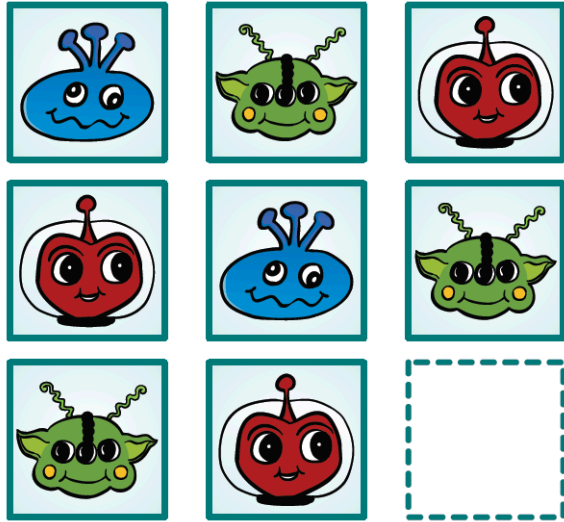


You learn to spot these through practice!



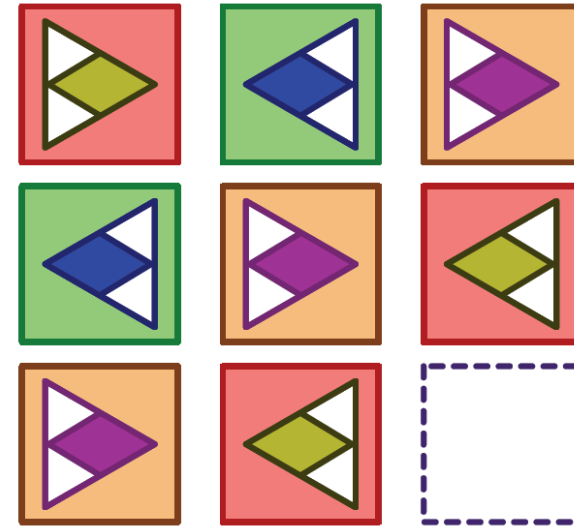
Tips for Solving Serial Reasoning Puzzles

2
differences



- A
- B
- C
- D
- E

3
differences

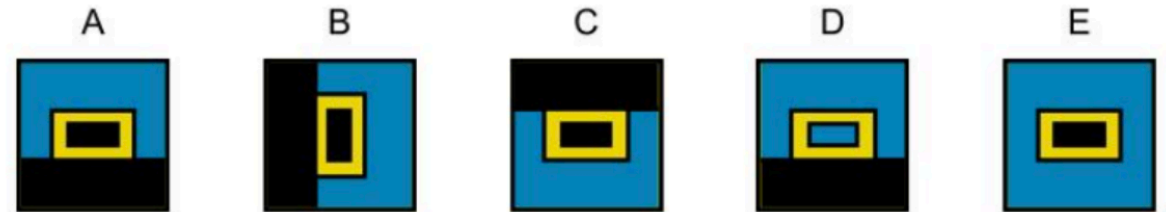
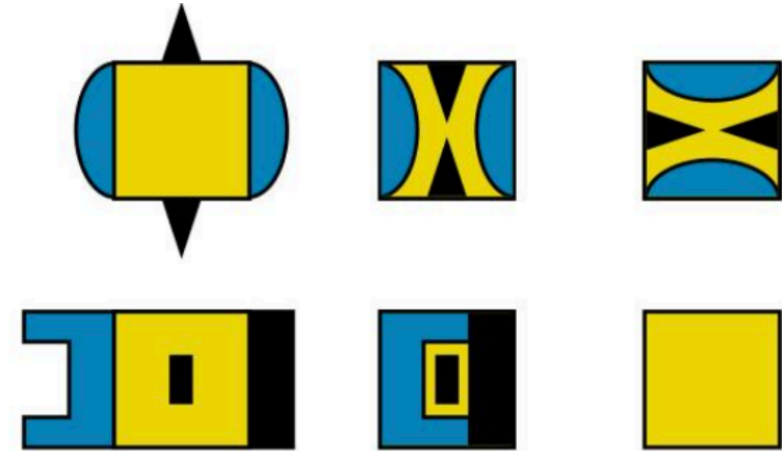
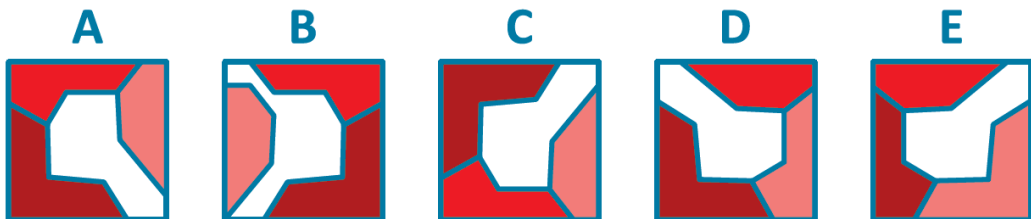
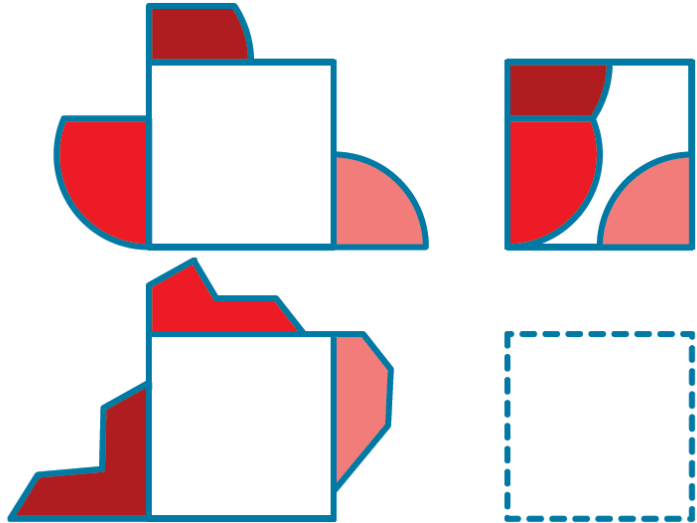


- A
- B
- C
- D
- E





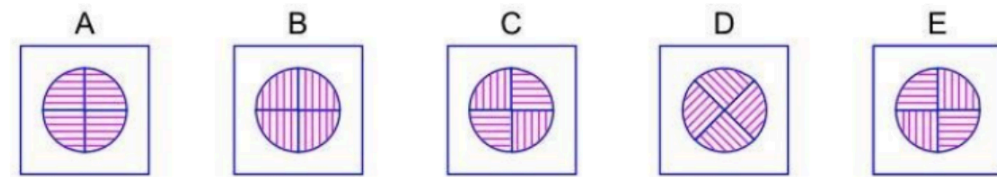
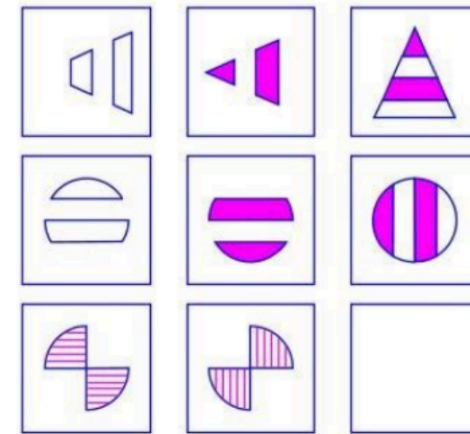
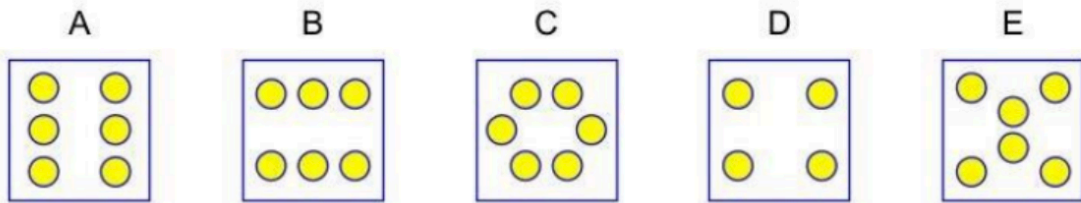
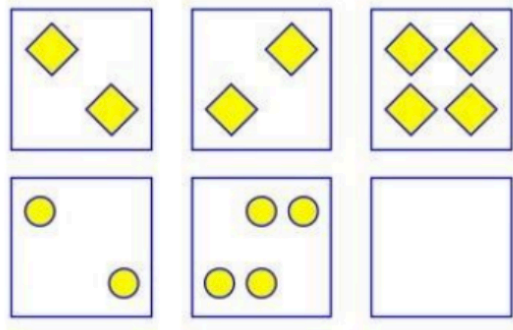
Folding Puzzles



These include **rotations** at higher grade levels. They are not indicated to the child – the child must spot them.



Combination Puzzles



These include **rotations** at higher grade levels. They are not indicated to the child – the child must spot them.



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How TestingMom.com Can Help



The screenshot shows the TestingMom.com homepage. At the top, there is a navigation bar with 'HOME', 'TESTS', 'SUCCESS STORIES', 'ABOUT US', 'STORE', 'BLOG', and 'HELP'. Below this, there are two main content areas: 'Your Child's Test Prep Program' (orange header) and 'Your Child's Skill Building Academy' (green header). The Test Prep Program section includes a message about schools being closed and offers for NYC Gifted Testing and NYC Private School. The Skill Building Academy section features logos for Study Island, Reading Kingdom, bunceee, ChessKid, Big Universe, and Brain POP. A sidebar on the left contains a 'Collapse' button and a 'Select a Test' dropdown menu. Below the sidebar, there are several program cards: Parent Resource Center, Spring Enrichment Program, Award Center, and Recommended For You. A red dashed circle highlights the 'Test Prep' link in the sidebar.

“One-Stop Shop”

This screenshot is similar to the one above but highlights the 'ONLINE TUTORING' link in the top navigation bar. A red dashed circle highlights the 'Test Prep' link in the sidebar.

- Choose [Test Prep](#)
- Choose [View All Tests](#)
- Choose [NNAT](#)

This screenshot shows the 'Practice Questions and Games by Test' section. It features a grid of test categories. A red dashed circle highlights the 'NNAT2 and NNAT3 - Naglieri Nonverbal Ability Test®, Second and Third Edition' category. Other categories include AABL®, KABC™-II, SCAT, Australia Testing, KBIT™-2, SHSAT, BSRA™, Kindergarten Readiness, STB, California GATE, LAUSD, TerraNova®, MAP, The Old CCAT Test, Chicago - CPS Test, CogAT®, NYC Gifted Testing, TTCT®, CogAT® - Form 6, WASI®-II, CogAT® - Form 7 and 8, NYC Private School, and WIAT®-III.



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Collapse

Select a Test



NNAT2 and NNAT3 - Naglieri Nonverbal Ability Test®, Second and Third Edition



Practice Questions

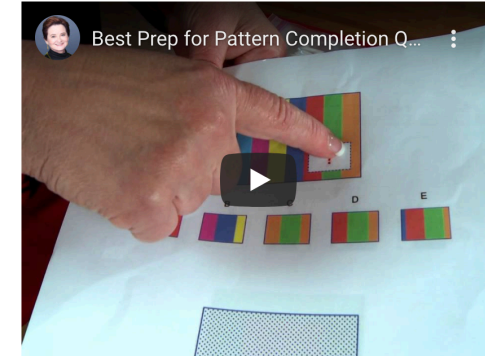


Interactive Practice and Games



Lessons for Parents

Interactive Questions for NNAT2 and NNAT3 - Naglieri Nonverbal Ability Test®, Second and Third Edition



NNAT2 and NNAT3 - Naglieri Nonverbal Ability Test®, Second and Third Edition - 4712 Questions

Bubble Sheet Lesson - 48 Total Questions

Assessments - 200 Total Questions

How-To Guides - 100 Total Questions

Practice Questions that Follow Test Format - 2420 Total Questions

Practice Tests - 720 Total Questions

Practice Questions that Support Test Readiness - 613 Total Questions

Bonus Practice Questions - 611 Total Questions

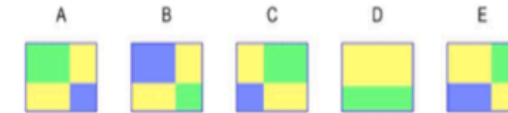
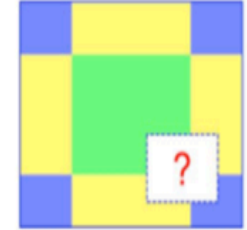
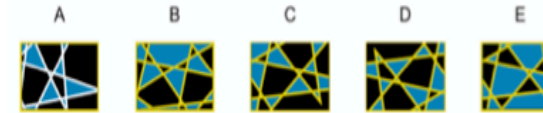
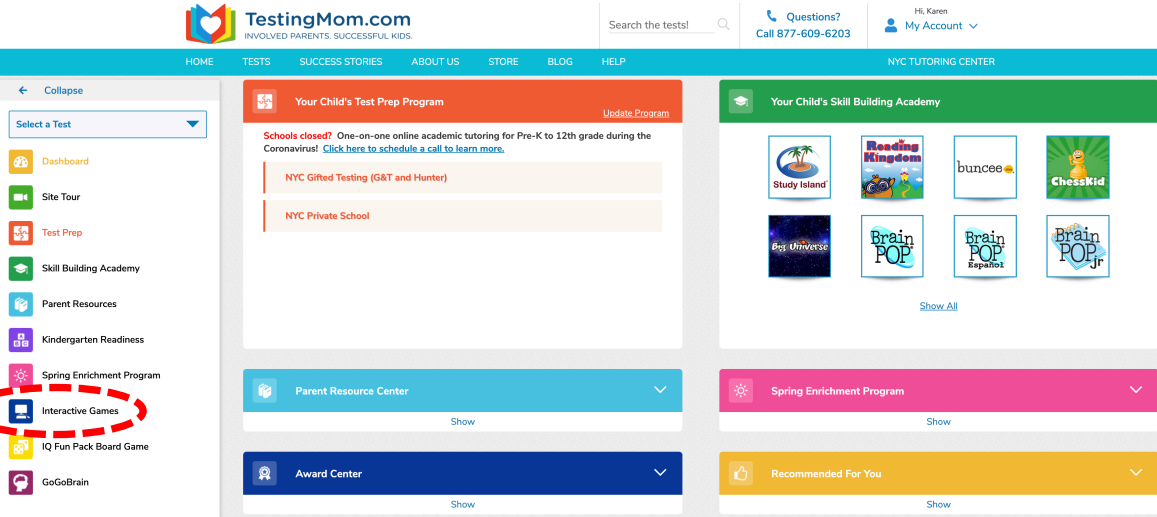
- Over 4,500+ Practice Questions
- Choose [Interactive Questions for NNAT](#) (green bar)
- Or, go through static [questions in each category on the right](#)
- **TIP:** Always start with questions **BELOW** your child's grade level.
- Go beyond your child's grade level if you can!



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How TestingMom.com Can Help – Interactive Games



- Visual Spatial
- NNAT
- Pattern Completion
- Build Visual-Spatial Reasoning Skills



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How TestingMom.com Can Help – Interactive Games – IQ Fun Pack

The screenshot shows the TestingMom.com website with a navigation bar at the top containing 'HOME', 'TESTS', 'SUCCESS STORIES', 'ABOUT US', 'STORE', 'BLOG', and 'HELP'. Below the navigation bar, there are two main sections: 'Your Child's Test Prep Program' and 'Your Child's Skill Building Academy'. The 'Test Prep Program' section includes a 'Schools closed?' notice and lists 'NYC Gifted Testing (G&T and Hunter)' and 'NYC Private School'. The 'Skill Building Academy' section features icons for 'Study Island', 'Reading Kingdom', 'bunceee', 'ChessKid', 'Big Whimsy', 'Brain POP', 'Brain POP Kinesics', and 'Brain POP Jr.'. On the left side, there is a sidebar with a 'Select a Test' dropdown and a list of categories including 'Dashboard', 'Site Tour', 'Test Prep', 'Skill Building Academy', 'Parent Resources', 'Kindergarten Readiness', 'Spring Enrichment Program', 'Interactive Games', 'IQ Fun Pack Board Games', and 'GoGoBrain'. The 'Interactive Games' and 'IQ Fun Pack Board Games' categories are highlighted with a red dashed circle.

The 'Game' selection screen features a dark blue background with the word 'Game' in large orange letters at the top. Below the title, there are four game thumbnails arranged horizontally. Each thumbnail is accompanied by a label and the word 'Or' to the right of it. The labels are: 'Practice Questions for Tests', 'Practice Questions for Skills', 'Game Activity', and 'Are You Smarter Than a Space Baby?'.

This screenshot shows a colorful, cartoonish interface for selecting 'GAME' and 'FLASH CARDS'. A large yellow star contains the word 'GAME' in green letters, and another large yellow star contains the words 'FLASH CARDS' in white letters. A 'Skip Intro' button is located in the top right corner. In the bottom left corner, there is a circular button labeled 'BACK TO MAIN SITE' and a purple oval containing the word 'Instructions'.

The screenshot shows a 'Home' button in a purple circle on the left. A dark blue menu is open, displaying a table of test options. The 'NNAT-2 and 3' option is circled with a red dashed line. At the bottom of the menu, there is a small line of text: 'All trademarks referring to specific test providers are used by TestingMom.com for nominative'. A 'Skip Intro' button is visible in the top right corner of the menu.

All Tests	AABL [®]	BSRA [™]
Chicago Gifted Testing	Chicago Classical Testing	CogAT [®]
Common Core/State Tests	Houston (HISD) Gifted Testing	Hunter College Elementary
ITBS [®] /IOWA [®] /SAT [®] -10	KBIT [™] -2	Kindergarten Readiness Task [™] (KRT)
NNAT [®] - 2 and 3	NYC Gifted Testing	NYC Private School Testing
OLSAT [®]	RIAS [™]	SAGES [™]
Stanford-Binet [®] -5	WISC [®] -IV and V	WNV [™]
Woodcock-Johnson [®] III and IV	WPPSI [™] -III and IV	

Pre-K to 2/3rd Grade

This screenshot shows a 'Home' button in a purple circle on the left. A dark blue menu is open, displaying a table of subject options. The 'Visual Spatial' option is circled with a red dashed line. A 'Skip Intro' button is visible in the top right corner of the menu.

Knowledge	
Language	
Listening, Memory, Directions	
Math	
Reading	
Thinking	
Visual Spatial	



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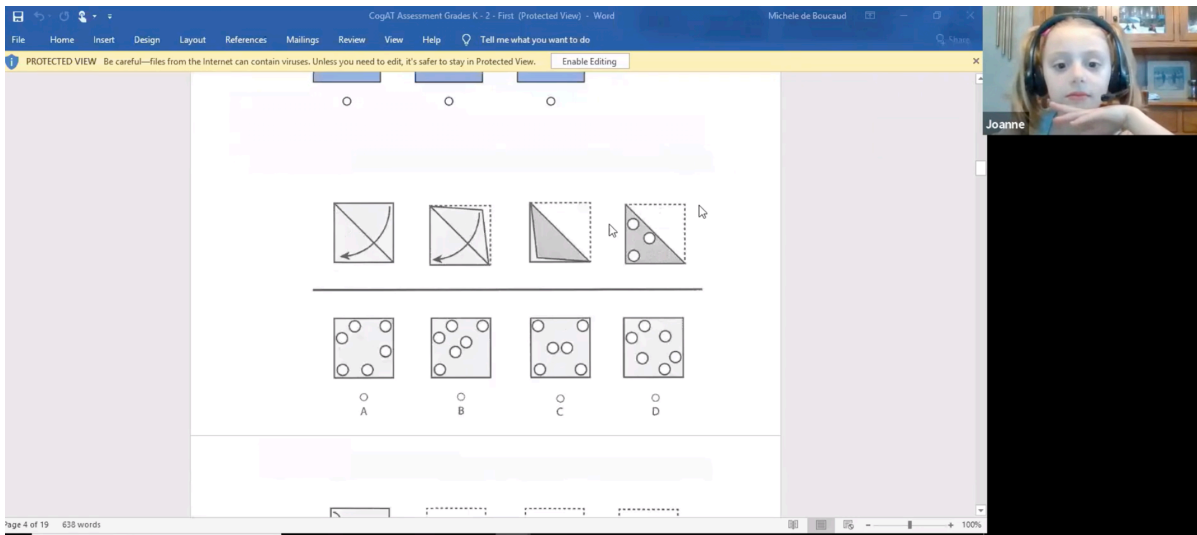
Flash Cards on Amazon.com

Search for Spatial Concepts Flash Cards Testing Mom



Flash Cards Break Down all
Puzzles by Type – helpful for
higher grades as well

- Extra support, or
- To simplify your prep completely...



demo



NNAT Test Prep

- **Evaluate Level** – Pre- and Post-assessment for CogAT
- **Build up Weaknesses**
- **Teach Nuances** of Each Question Type (i.e. 10 types of figural analogies, 7 types of serial reasoning)
- **Teach Test-Taking Skills**
- **Use different ?** than those on the site – site ?'s given as homework
- Math, ELA, Homework Help
- Assessing Skills - Is Your Child at Grade Level?

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