

Game 44 – Becky’s Vacation

Becky will select articles of clothing to pack for her upcoming vacation. The articles to choose from include exactly three frocks—one navy, one red and one pink, three pairs of shoes—one gray and two white—and three turtlenecks—one navy, one red and one pink. The following conditions apply to Becky's vacation:

If Becky packs at least one pink article of clothing, she does not pack any red articles of that type of clothing.

If Becky packs at least as many navy articles of clothing as either pink or red articles of clothing, she packs the gray shoes.

If Becky does not pack the red frock, she packs exactly two pink articles of clothing.

Becky packs exactly two pairs of shoes.

- For her vacation, Becky could pack
 - three turtlenecks
 - a pink frock and a red turtleneck
 - two frocks, two turtlenecks and two pairs of white shoes
 - exactly one frock, which is navy
 - a pink frock and two pairs of white shoes
- If Becky packs two frocks and exactly one turtleneck, each of the following could be true EXCEPT
 - Becky does not pack any pink articles of clothing.
 - Becky does not pack any red articles of clothing.
 - Becky does not pack any navy articles of clothing.
 - Becky packs exactly two pairs of white shoes.
 - Becky packs exactly one pair of white shoes.
- If Becky packs two pairs of white shoes, which one of the following could be true?
 - Becky does not pack any turtlenecks.
 - Becky does not pack any frocks.
 - Becky packs two frocks and two turtlenecks.
 - Becky packs a pink frock and a red turtleneck.
 - Becky packs two frocks and no turtlenecks.

- Which one of the following CANNOT be true of the articles of clothing Becky packs?
 - Exactly two red and two white articles of clothing are packed.
 - Exactly two navy and two white of clothing are packed.
 - Exactly one red and one pink article of clothing are packed.
 - Exactly one frock and exactly two turtlenecks are packed.
 - Exactly two turtlenecks and exactly one frock are packed.
- If Becky packs exactly one frock and exactly one turtleneck, neither of which is pink, then how many different assortments of clothing can she take on her vacation?
 - one
 - two
 - three
 - four
 - five
- Suppose the condition that if Becky packs a pink article of clothing, she cannot pack a red article of that type, is suspended and replaced with the condition that if Becky packs a pink turtleneck, she does not pack any red articles of clothing. If all other conditions hold, what is the maximum number of articles of clothing that Becky can bring on her vacation?
 - 4
 - 5
 - 6
 - 7
 - 8

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1. E
2. C
3. A
4. B
5. C
6. D

This is a game of sorting with a bit of twist—there are multiple elements with varying qualities. Most of the time, sorting will be just single elements; however, games like this do occur on the LSAT.

On the first question, four of the answers break a rule, either directly or if their inferences are carried out. On Question 2, Becky must pack at least one navy article of clothing because she is packing two frocks, and she cannot pack a pink frock and a red frock under the first rule.

Two of the answers on Question 3, B and D, are eliminated based on the third rule. The other two wrong answers are eliminated based on the inference that because there are no gray shoes, Becky must pack more either pink or red articles than navy. Because of this, she can't pack two frocks, or two frocks and two turtlenecks, because this would mean she would have as many navy articles of clothing as either pink or red.

On Question 4, the key to getting the answer is the gray shoes rule—if Becky brings two navy articles of clothing, she must have at least as many navy articles as pink or red, and thus can't bring two white pairs of shoes.

On Question 5, you know Becky must pack the red frock under the rules. The turtleneck, however, can be red or navy. If the turtleneck is red, the shoes can be either white and white or white and gray—two possibilities. However, if the turtleneck is navy, then the shoes must be white and gray—one possibility. This is a total of three possibilities.

For the rule-change on Question 6, Becky can still bring three different colors of frock; however, she can only bring two different colors of turtleneck. Three frocks plus two turtlenecks plus two shoes equals seven.