

Game 12 – Literature Club

A literature club is selecting upcoming readings from a group of exactly seven novels. Four of the novels—*Likewise*, *On My Own*, *The Torrey* and *West of Town*—are romance novels, while three—*Hammerhead*, *Inverness* and *No Way Out*, are mystery novels. The selection of the novels is consistent with the following requirements:

At least three novels are selected.

At least as many romance novels as mystery novels are selected.

If *West of Town* is not selected, *On My Own* is selected.

If *No Way Out* is selected, then *Likewise* is not selected.

If *Hammerhead* is not selected, then *The Torrey* is not selected.

- Which one of the following could be a complete and accurate list of the novels selected?
 - Likewise*, *The Torrey*, *Hammerhead*, *Inverness*
 - West of Town*, *Hammerhead*, *No Way Out*
 - On My Own*, *The Torrey*, *Inverness*
 - On My Own*, *Inverness*
 - Likewise*, *On My Own*, *Hammerhead*
- If *No Way Out* is selected, which one of the following must be true?
 - Either *West of Town* or *Inverness* is selected.
 - Either *Hammerhead* or *On My Own* is selected.
 - Both *Hammerhead* and *Inverness* are selected.
 - Both *West of Town* and *The Torrey* are selected.
 - Neither *West of Town* nor *Inverness* is selected.

- Which one of the following could be true?
 - Exactly one romance novel is selected.
 - Exactly one mystery novel is selected.
 - Exactly four romance novels and exactly two mystery novels are selected.
 - No mystery novels and all four romance novels are selected.
 - All three mystery novels are selected but *On My Own* is not.
- If *The Torrey* is selected, which one of the following CANNOT be true?
 - No Way Out* is the only mystery novel selected.
 - West of Town* is the only other romance novel selected.
 - Both *Likewise* and *On My Own* are selected.
 - Inverness* is not selected.
 - Both *West of Town* and *On My Own* are selected.
- Suppose the condition is added that there must be exactly one more romance novel than mystery novels. If all other conditions hold, each of the following could be true EXCEPT
 - No Way Out* and *Hammerhead* are both selected.
 - Inverness* and *West of Town* are both selected.
 - Hammerhead* and *No Way Out* are both selected.
 - Inverness* and *No Way Out* are both selected.
 - Inverness* and *On My Own* are both selected.

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

The first question is the typical first question on a game—testing the rules. All the wrong answer choices break a rule. On Question 2, three novels need to be chosen with at least two romance novels, so since *Likewise* is out, either *Hammerhead* and *The Torrey* plus another romance have to come in, or the other two romance novels—*West of Town* and *On My Own* must.

Question 3 is based on the deduction that all other answers inevitably break a rule—go back and plug them out if you don't see it. Question 4 is A because of the deduction that *Hammerhead* must be selected. On Question 5, if *Inverness* and *No Way Out* are both selected, the group needs three romance novels but can't have it because *Likewise* is excluded, and if they add *The Torrey* then *Hammerhead* must also be added.