

## Game 15 – Restaurants

Exactly six restaurants—Farley's, Karla's, Moe's, Pascal's, Robert's and Vicky's—are ranked from best to worst in a local survey. There are no ties. The ranking conforms to the following conditions:

Vicky's is ranked higher than Pascal's.

Karla's is ranked either fifth or second.

Robert's is ranked higher than Vicky's but lower than Moe's.

- Which one of the following could be the ranking of the restaurants, from best to worst?
  - Moe's, Robert's, Vicky's, Pascal's, Karla's, Farley's
  - Moe's, Vicky's, Karla's, Robert's, Pascal's, Farley's
  - Robert's, Moe's, Vicky's, Karla's, Pascal's, Farley's
  - Farley's, Moe's, Pascal's, Karla's, Robert's, Vicky's
  - Moe's, Robert's, Karla's, Farley's, Vicky's, Pascal's
- If Vicky's is the third highest ranked restaurant, then which one of the following is the highest that Farley's could be ranked?
  - first
  - second
  - third
  - fourth
  - sixth
- Each one of the following could be the restaurant ranked third EXCEPT
  - Vicky's
  - Pascal's
  - Robert's
  - Moe's
  - Farley's
- If Robert's is ranked fourth, which one of the following could be true?
  - Farley's is ranked second.
  - Moe's is ranked third.
  - Farley's is ranked fifth.
  - Pascal's is ranked fifth.
  - Vicky's is ranked sixth.
- If Pascal's is not ranked sixth, then which one of the following must be true?
  - Karla's is ranked second.
  - Vicky's is ranked fourth.
  - Vicky's is ranked third.
  - Robert's is ranked second.
  - Farley's is ranked sixth.
- Which restaurant could be ranked in any place, from highest to lowest?
  - Vicky's
  - Moe's
  - Robert's
  - Farley's
  - Pascal's

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

This is a straight game of putting things in order. The rules are combination of relational (rules 1 and 3) and absolute (rule 2), which means you may need to draw a little diagram around this anchor. The key to this game is making a chain out of the first and third rules, and to note Farley's as a "free element" which can go anywhere. Question 1 is the standard testing of the rules, and the four wrong answers each break a rule. The second question deals with "running out of room"—Vicky's needs to be behind Moe's and Robert's, so if it is in third place, Farley's can't be in front of it because there are not enough spaces. Question 3 is based on the combine inference that Pascal's must have three restaurants ranked higher than it (see rules 1 and 3).

On Question 4, the trick is you have to have three elements in front of Robert's. Those cannot be Vicky's or Pascal's under the rules, so they must be Farley's, Karla's and Moe's, and Karla's needs to go in spot 2 because of the second rule. This eliminates the four other answers. On the fifth question, you can deduce that Farley's must go behind Pascal's because nothing else can. The last question is based on relational rules—Farley's does not have any rules that apply to it, while everything else must be in front of or behind at least one other element.