

## Game 42 – Tourists

Within a group of seven tourists—Quentin, Roberto, Stella, Tegan, Uma, Val and Wass—each will select up to three tourist attractions in which to partake—a gondola ride, a museum tour and a performance. The attractions selected by each tourist are consistent with the following conditions:

Each tourist partakes in at least one attraction.

If Stella goes on the gondola ride, Tegan does as well.

If Quentin goes on the museum tour, both Uma and Val do as well.

Wass partakes in more tourist attractions than Quentin.

If Uma goes on the museum tour or the gondola ride, Tegan does not.

Roberto and Stella do not partake in any of the same attractions.

Exactly two tourists go to the performance.

- Each of the following is a pair of tourists who could both go on the gondola ride EXCEPT
  - Uma and Val
  - Wass and Quentin
  - Stella and Tegan
  - Stella and Uma
  - Stella and Val
- If Tegan and Quentin attend the performance and no other activities, which one of the following CANNOT be true?
  - Roberto goes on the museum tour.
  - Wass goes on the gondola ride.
  - Uma goes on the gondola ride.
  - Uma goes on the museum tour.
  - Val goes on the museum tour.
- If Uma goes on the gondola ride but not the museum tour, which one of the following is a pair of tourists who could partake in the exact same two activities?
  - Stella and Uma
  - Tegan and Roberto
  - Quentin and Val
  - Stella and Quentin
  - Quentin and Tegan
- What is the maximum number of tourists who could attend both the gondola ride and the museum tour?
  - one
  - two
  - three
  - four
  - five
- Which one of the following tourists CANNOT partake in the museum tour and no other attractions?
  - Wass
  - Quentin
  - Stella
  - Val
  - Uma
- If Uma goes on the gondola ride and Roberto and Quentin partake in exactly the same two activities, which one of the following must be true?
  - Wass goes on the gondola ride.
  - Stella watches the performance.
  - Uma goes on the museum tour.
  - Quentin goes on the museum tour.
  - Quentin goes on the gondola ride.

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

Question 1 is based on the inference that Stella has to be on the gondola with Tegan, but Uma cannot be. Likewise, in Question 2, Stella has to be somewhere, and she can't be on the gondola because Tegan would be there, so she must be in the museum tour—meaning Roberto can't be there. On Question 3, four answers lead to inferences that break a rule. (Plug them out if you don't see it)

In Question 4, you are faced with a maximum question so you must identify rules which limit the number. Try it a few times if necessary before you keep reading—the winning combination is Quentin, Uma, Val, Quentin and Roberto, with Stella and Tegan watching the performance. Question 5 is A because of the Wass and Quentin rule, and on Question 6, Roberto can't be with Stella, and we know Stella's not on the Gondola, so since Roberto's partaking in two activities, one of them has to be on the gondola ride—where Quentin is as well.