

DRILL: DEDUCTIVE REASONING: DIALOGUE QUESTIONS

1. Anyone who is 16 years or older and has passed the Driver Knowledge Test is legally allowed to drive a car with a learner's license.

Malcom: "Shirley is not legally allowed to drive a car with a learner's license. She must be under 16 years old."

Gemma: "Jake has passed his Driver Knowledge Test and his 16th birthday was last Wednesday. By law, he can drive a car."

Whose reasoning is correct?

- A. Malcom only
- B. Gemma only
- C. Both Malcom and Gemma
- D. Neither Malcom nor Gemma



2. There are two types of demigod powers:
- Children of Poseidon can control water and communicate with sea creatures.
 - Children of Athena have enhanced wisdom and are skilled in warfare strategy

Lily: "Bob can talk to fish, so he must be a child of Poseidon."

Hannah: "Annabeth came up with a brilliant battle strategy, so she can only be a child of Athena."

If the information in the box is true, whose reasoning is correct?

- A. Lily only
- B. Hannah only
- C. Both Lily and Hannah
- D. Neither Lily nor Hannah



3. At Midtown High School, there is a prestigious award called the "Stark Innovator Trophy."

This award is given for either inventing a groundbreaking technology or for exceptional bravery in community service.

Additionally, candidates must have a recommendation from a faculty member.

Peter: "I've developed a new type of web fluid that's stronger than steel, but I haven't got a faculty recommendation. Still, I think I deserve the Stark Innovator Trophy."

Ned: "I helped organise a school fundraiser for local firefighters and got a glowing recommendation from Mr. Harrington. I'm sure I'll get the trophy."

If the information in the box is true, whose reasoning is correct?

- A. Peter only
- B. Ned only
- C. Both Peter and Ned
- D. Neither Peter nor Ned

4. The Greenwood Basketball Competition is held once per year during the Summer.

There are 3 ways to qualify:

1: Any team that comes first or second in a regional heat.

2: Last year's winning team (as long as the team has the exact same members).

3: One team can qualify as a 'wild card', meaning they are chosen at random from all the teams that failed to qualify otherwise.

Emma and Oliver are in the same team. They are trying to qualify for this year's competition.

Emma: "We came fourth in our regional heat. We won the competition last year, but one of our members has left. Our only chance of qualifying is to get her to come back."

Oliver: "If we can get her to come back, it won't matter that we didn't do well enough in the regional heat."

If the information in the box is true, whose reasoning is correct?

- A. Emma only
- B. Oliver only
- C. Both Emma and Oliver
- D. Neither Emma nor Oliver

5. In a coding competition, participants must submit a project in the Python language, unless they are beginners, in which case they can submit in any language.

Alice: "As I am a beginner, I can submit my project in the Java language."

Bob: "Olivia submitted her project in Python, so she must not be a beginner."

Whose reasoning is correct?

- A. Alice only
- B. Bob only
- C. Both Alice and Bob
- D. Neither Alice nor Bob

6. Cats with better night vision tend to be more agile.

Emma: "Your cat doesn't see well in the dark, so it isn't as agile as mine."

Ryan: "My cat could be equally or more agile despite its poorer night vision."

Whose reasoning is correct?

- A. Emma only
- B. Ryan only
- C. Both Emma and Ryan
- D. Neither Emma nor Ryan



7. Since George is a non-smoker, he is an accomplished swimmer.

Hannah: "Either George is a smoker or he is an accomplished swimmer."

Alexis: "All swimmers are non-smokers."

If the information in the box is true, whose reasoning is correct?

- A. Hannah only
- B. Alexis only
- C. Both Hannah and Alexis
- D. Neither Hannah nor Alexis



8. Only a few people who are alcoholics will live past the age of 90.

Josh: "Since Eva is 30 years old, and is currently a non-alcoholic, she is likely to live past the age of 90 years old."

Ying: "Just because few alcoholics live past 90, it doesn't guarantee non-alcoholics will live past 90 years old."

If the information in the box is true, whose reasoning is correct?

- A. Josh only
- B. Ying only
- C. Both Josh and Ying
- D. Neither Josh nor Ying

9. Since Shreya is right-handed, she is an excellent golfer.

Bob: "All golfers are right-handed."

Terry: "Either Shreya is left-handed or she is an excellent golfer."

If the information in the box is true, whose reasoning is correct?

- A. Bob only
- B. Terry only
- C. Both Bob and Terry
- D. Neither Bob nor Terry



ANSWERS:

- 1. B
- 2. D
- 3. D
- 4. D
- 5. A
- 6. B
- 7. A
- 8. B
- 9. B