

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## **Detective Pikachu's Mystery Logic: 3rd Grade Thinking Quiz**

Can you spot a sneaky trick in a story? Use these 10 logic challenges to practice finding clues and making smart conclusions.

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**1. Imagine you see a puddle of water on the floor and a wet umbrella nearby. What is the most logical conclusion?**

- A. It is currently snowing inside the house.
- B. Someone recently came in from the rain.
- C. The umbrella is thirsty and drinking water.
- D. The floor is made of frozen ice.

**2. If all mammals have fur, and a dolphin is a mammal, then a dolphin must have fur.**

- A. True
- B. False

**3. Leo says: 'You shouldn't listen to Maya's idea for the playground because she wears mismatched socks!' Leo is using a/an \_\_\_\_.**

- A. Smart observation
- B. Personal attack (Ad Hominem)
- C. Scientific fact
- D. Fair comparison

**4. Which of these is a 'False Dilemma' (making it seem like there are only two choices when there are more)?**

- A. We can go to the park or stay home.
- B. You either love broccoli or you hate all vegetables.
- C. If it rains, we will need boots.
- D. The cat is either on the bed or off the bed.

**5. Inductive reasoning is when you see a pattern (like the sun rising every day) and guess what will happen next.**

- A. True
- B. False

**6. Complete this logical pattern: All squares are shapes. This object is a square. Therefore, this object is a \_\_\_\_.**

- A. Circle
- B. Color
- C. Shape
- D. Toy

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**7. What is wrong with this logic? 'My cat has four legs. Your dog has four legs. Therefore, my cat is a dog.'**

- A. The conclusion is correct.
- B. Cats and dogs are the same animal.
- C. Just because they share one trait doesn't mean they are the same thing.
- D. Dogs actually have five legs.

**8. A 'sound argument' is one where the facts are true and the logic makes sense.**

- A. True
- B. False

**9. Comparing two similar things to understand a new one (like saying a computer brain is like a human library) is called \_\_\_\_\_ reasoning.**

- A. Analogical
- B. Silly
- C. Backward
- D. Mathematical

**10. If you want to evaluate someone's argument, what is the best thing to do?**

- A. Agree with them because they are your friend.
- B. Check if their reasons (premises) support their conclusion.
- C. Ignore them and talk about something else.
- D. Shout your own opinion louder.