

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

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

## Crack the Detective's Code: 3rd Grade Logic & Thinking Quiz

Moving beyond simple guessing, these exercises strengthen foundational deductive reasoning using relatable daily scenarios and clear patterns.

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**1. Mia noticed that every time the sky turns dark gray, it starts to rain. Today, the sky is dark gray. What is the most logical guess for Mia to make?**

- A. It is time for bed.
- B. It will probably rain soon.
- C. The sun is going to be very bright.
- D. It is a holiday today.

**2. If you know that all mammals have hair and a whale is a mammal, it is logical to say that a whale has hair.**

- A. True
- B. False

**3. Leo is wearing a swimsuit and carrying a towel. Where is Leo most likely going?**

- A. The library
- B. The grocery store
- C. The swimming pool
- D. The computer lab

**4. Sam says, 'You should vote for me for Class President because I have the coolest shoes.' Why is this argument weak?**

- A. Shoes do not help someone lead a class.
- B. Sam's shoes are actually ugly.
- C. Everyone already has shoes.
- D. Sam is too young to lead.

**5. Is it logical to say: 'If I ate an apple for lunch today, I must eat an apple for lunch every single day for the rest of my life'?**

- A. True
- B. False

**6. If all squares are shapes, and this drawing is a square, then this drawing is a \_\_\_\_\_.**

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

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**7. Sarah's mom says, 'You can either have an apple or a banana for your snack.' Sarah does not want an apple. What is the logical choice left for Sarah?**

- A. Eat a cookie.
- B. Eat nothing at all.
- C. Eat the banana.
- D. Go to sleep.

**8. A logical person should believe everything they see in a TV commercial without asking questions.**

- A. True
- B. False

**9. If the ice cream shop is only open when it is sunny, and it is currently snowing, we can logically assume the shop is \_\_\_\_\_.**

- A. Open
- B. Closed
- C. On fire
- D. Freezing

**10. Which of these is a fact that can be proven, rather than just an opinion?**

- A. Blue is the prettiest color.
- B. Ice cream is the best dessert.
- C. The Earth moves around the Sun.
- D. Rabbits are more fun than cats.