

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

## Answer Key: Detective Daisy's Case of the Missing Cookies Logic Quiz for 2nd Grade

Students practice identifying patterns and sorting facts to solve simple mysteries using basic deductive reasoning and evidence-based thinking.

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**1. If every student in the class is wearing a blue shirt, and Leo is a student in the class, what does this tell us about Leo?**

**Answer:** B) Leo is wearing a blue shirt.

Since Leo is part of the group where everyone wears blue, he must also be wearing blue.

**2. True or False: If you see a wet umbrella by the door, it is a good guess that it might be raining outside.**

**Answer:** A) True

We use clues, like a wet umbrella, to make a smart guess or inference about what is happening.

**3. Complete this pattern: Apple, Banana, Apple, Banana, Apple, \_\_\_\_.**

**Answer:** C) Banana

Logic helps us see patterns. Since the fruits take turns, Banana comes after Apple.

**4. Mia's pet has soft fur and says 'Meow.' Which animal is Mia's pet?**

**Answer:** C) A cat

By looking at the facts (fur and 'meow'), we can identify that the animal is a cat.

**5. True or False: If your friend says 'It's sunny because I ate a snack,' that is a strong and logical reason.**

**Answer:** B) False

Eating a snack does not make the sun come out. These two things are not logically connected.

**6. If you know that all fish live in water, and a Goldy is a fish, then Goldy \_\_\_\_ in water.**

**Answer:** A) lives

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If the rule applies to all fish, it must apply to Goldy because she is a fish.

**7. Which of these is a fact rather than an opinion?**

**Answer:** C) A square has four sides.

A fact is something that can be proven true for everyone, like the number of sides on a square.

**8. True or False: To solve a mystery, you should look for clues and evidence.**

**Answer:** A) True

Critical thinkers use evidence to find the correct answer to a problem.

**9. If the ice cream is dripping, we can use logic to say it is \_\_\_\_.**

**Answer:** B) melting

Dripping is a sign that something frozen is turning into liquid, which means it is melting.

**10. The playground is empty, the lights are off, and the school bus is gone. Using logic, where are the students?**

**Answer:** C) They went home

When the buses are gone and lights are off, it is a sign that the school day has ended.