

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.

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.