

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

## Answer Key: Think Like a Detective! 1st Grade Logic & Reasoning Quiz

Junior detectives solve 10 interactive mysteries using clues to find patterns and make smart choices.

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**1. A mystery box has a yellow banana and a yellow lemon inside. What color will the next fruit most likely be if the pattern stays the same?**

**Answer:** B) Yellow

If we notice that all the fruits in the box are yellow, it is a smart guess that the next fruit will also be yellow.

**2. If all cats have tails, and Whiskers is a cat, then Whiskers must have a tail.**

**Answer:** A) True

This is correct reasoning. Since Whiskers belongs to a group where everyone has a tail, he must have one too.

**3. Sam is taller than Mia. Mia is taller than Ben. Who is the tallest child?**

**Answer:** C) Sam

By comparing the children's heights, we can see that Sam is at the top of the line, making him the tallest.

**4. You see a dark cloud in the sky and hear thunder. What is a smart guess about what will happen next?**

**Answer:** B) It will rain

Using our observations of dark clouds and thunder, the most logical result is rain.

**5. If you are the best at playing tag, it means you are also the best at eating cake.**

**Answer:** B) False

This is a mistake in logic. Just because you are good at one thing does not mean you must be good at something totally different.

**6. A square has 4 sides. A triangle has 3 sides. Which shape has more sides?**

**Answer:** C) Square

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

By comparing the numbers 4 and 3, we logic out that the square has more sides than the triangle.

**7. Little Red Riding Hood sees a 'wolf' in grandmother's clothes. She notices big ears and big teeth. What is the best conclusion?**

**Answer:** B) It is not really Grandmother

Based on the evidence (big ears and teeth), it is more likely that a wolf is there instead of Grandmother.

**8. Leo said, 'Don't eat that soup because a mean dragon made it.' What is wrong with Leo's reason?**

**Answer:** B) Dragons are not real

A good argument needs to be based on facts. Since dragons are pretend, the reason doesn't make sense in the real world.

**9. If you wear your raincoat today, it proves that it is definitely raining outside.**

**Answer:** B) False

You might be wearing a raincoat for fun or because you think it might rain later. Wearing the coat doesn't force the rain to happen!

**10. A robot only cleans things that are round. Which item will the robot clean?**

**Answer:** C) A bouncy ball

Since the ball is round and the robot's rule is to clean round things, the robot will choose the ball.