

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.

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.