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Robo-Robot's Secret Recipes: A Kindergarten Coding Quest

Evaluate logical sequences and debug complex snack-making loops using critical thinking skills designed for advanced early learners.

1. Chef Bot is making a fruit salad. He follows a Loop: 'Add Apple, Add Grape.' He does this 3 times. What is the last thing he puts in the bowl?

- A. Apple
- B. Grape
- C. Banana
- D. Orange

2. If a robot has a Condition that says 'Only walk if the light is Green,' the robot will stop if it sees a Red light.

- A. True
- B. False

3. You have a Variable box named 'ToyCount' holding 5 cars. If you add 2 more cars, what is the new value of 'ToyCount'?

- A. 3
- B. 10
- C. 7
- D. 5

4. A Function called 'BrushTeeth' includes: 'Get Brush, Add Paste, Scrub.' Why do we use a Function name instead of saying every step?

- A. To make the robot move slower
- B. To hide the toothbrush
- C. To save time by grouping steps
- D. To make the brush change color

5. Look at this broken Loop: 'Step Left, Step Right, Jump.' The robot keeps hitting a wall on the left. How should you fix (debug) the logic?

- A. Remove 'Step Left' from the loop
- B. Change 'Jump' to 'Scream'
- C. Add another 'Step Left'
- D. Paint the wall blue

6. A Condition says: 'IF it is raining, wear a Coat. ELSE, wear a T-shirt.' If it is SUNNY, what should the robot wear?

- A. Coat

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- B. T-shirt
- C. Swimsuit
- D. Pajamas

7. A Loop is used when we want a computer to do a task only one time and then never do it again.

- A. True
- B. False

8. Two robots have a Variable named 'Energy.' Robot A has 10. Robot B has 2. Which robot needs a 'Charge' Function first based on logic?

- A. Robot A
- B. Robot B
- C. Both need it now
- D. Neither needs it

9. You create a Function called 'Dance' that is 'Twirl, Clap.' If you code: 'Dance, Dance', how many times do you clap?

- A. 1
- B. 2
- C. 3
- D. 4

10. In programming, if you put instructions in the wrong order, the robot might fail even if the instructions are good.

- A. True
- B. False