

Name: _____ Date: _____

Debug Your Day: A Kindergarten Guide to Algorithms

Students sequence daily routines and identify logical errors in simple step-by-step patterns during center rotations or group instruction.

1. Ben wants to plant a flower seed. Which step should he do FIRST?

- A. Water the flower petals
- B. Dig a small hole in the dirt
- C. Pick the flower to give to Mom
- D. Wait for the sun to go down

2. An algorithm is just a fancy word for a list of steps to follow.

- A. True
- B. False

3. Mia is making a sandwich. Step 1: Get bread. Step 2: Put jam on bread. Step 3: Put bread together. What did Mia ___?

- A. Forget to eat it
- B. Do perfectly
- C. Decompose correctly
- D. Miss (a bug)

4. If you want to build a tall block tower that doesn't fall, which 'sub-problem' should you solve first?

- A. Choosing the color of the top block
- B. Making a strong, wide base
- C. Counting how many blocks are left
- D. Clapping when it is finished

5. Computers need humans to give them very clear, step-by-step instructions.

- A. True
- B. False

6. Look at this cereal algorithm: 1. Get bowl. 2. Pour cereal. 3. Pour milk. 4. Eat. What would happen if we swapped Step 1 and Step 2?

- A. The cereal would be on the table
- B. The cereal would taste better
- C. Nothing would change
- D. The milk would disappear

7. When you find a mistake in your steps and fix it, you are ___.

- A. Deleting

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- B. Debugging
- C. Sleeping
- D. Typing

8. A Robot is trying to get to the 'End' square. It must go: Forward, Forward, Left. What happens if it goes: Left, Forward, Forward?

- A. It stays in the same place
- B. It ends up in a different spot
- C. It goes faster
- D. It turns into a car

9. You can use an algorithm to teach a friend how to play a new game.

- A. True
- B. False

10. To wash your hands, you need to ___ the big problem into: 1. Wet hands. 2. Use soap. 3. Scrub. 4. Rinse.

- A. Decompose
- B. Ignore
- C. Guess
- D. Hide