Wait Program! Worksheet Challenge 1 Solution

Answer the following questions related to program design:

1. **Define the task you would like to perform:**

   We want the robot to move forward until it "hears" a noise, then turn left.

2. **Write a set of instructions in English for creating the program:**

   1. Move forward
   2. Wait until a noise is heard
   3. Turn left

3. **Brainstorm about possible programming solutions below and write the one below that your group thinks is a good one.**

   1. Move forward for unlimited
   2. Wait until the sound sensor in port 2 perceives a noise greater than intensity >50
   3. Turn left 90 degrees

4. **Did you have to "iterate" (make changes to the program, etc.) to make it work? How many iterations did you have to perform? Briefly explain each one.**

   Answers will vary. *Example answer*: No, the program worked correctly the first time through.