report.docx

**Step 5:**

First trial of integers consisted of:

* 10 people surveyed
* 5 people that approve
* 5 people that disapproved
* The result was that 50% say they approve. 50% say they disapprove. More people disapprove than approve.

The result was nonsensical due to the fact that the same number of people approved/disapproved, however the output stated that “More people disapprove than approve.”

**Step 6:**

The logic errors introduced include:

* Lines 27 and 28 which makes the calculations for percentage
  + double pctApprove = numApprove / numSurveyed;
  + double pctDisapprove = numDisapprove / numSurveyed;

The issue with lines 27/28 is missing the part of the equation to multiply the numbers by 100. Therefore the outputs are decimals (out of 1.0) instead of percentages (out of 100%). The resulting answers are all 0.0 due to the fact that both the number surveyed and the number that agree/disagree are both integers.

**Step 7:**

The compiling errors that were introduced include:

* Line 16 is missing a semicolon at the end of the statement
* Lines 16, 21, 27, and 28 all include a variable named 1numSurveyed

At the end of each statement a semicolon is required to correctly build the program.

Another mistake was that variables cannot have a name that starts with a number; in this case the variable 1numSurveyed is incorrect because of the digit 1 at the beginning of the name.