There's a five-fish limit, so a five-element array can hold all the data, but it's possible that you could catch fewer fish. Listing 6.13 uses a loop that terminates if the array is full or if you enter non-numeric input.

**Listing 6.13 cinfish.cpp**

```cpp
// cinfish.cpp -- non-numeric input terminates loop
#include <iostream>
using namespace std;
const int Max = 5;
int main()
{
    // get data
    double fish[Max];
    cout << "Please enter the weights of your fish.\n";
    cout << "You may enter up to " << Max
         << " fish <q to terminate>.\n";
    cout << "fish #1: ";
    int i = 0;
    while (i < Max && cin >> fish[i]) {
        if (++i < Max)
            cout << "fish #" << i+1 << ": ";
    }
    // calculate average
    double total = 0.0;
    for (int j = 0; j < i; j++)
        total += fish[j];
    // report results
    if (i == 0)
        cout << "No fish\n";
    else
        cout << total / i << " = average weight of "
             << i << " fish\n";
    cout << "Done.\n";
    return 0;
}