

```cpp
#include <iostream>
using namespace std;
const int ArSize = 8;
int sum_arr(int arr[], int n);
int main()
{
    int cookies[ArSize] = {1,2,4,8,16,32,64,128};
    // some systems require preceding int with static to
    // enable array initialization
    cout << cookies << " = array address, ";
    // some systems require a type cast: unsigned (cookies)
    cout << sizeof cookies << " = sizeof cookies\n";
    int sum = sum_arr(cookies, ArSize);
    cout << "Total cookies eaten: " << sum << "\n";
    sum = sum_arr(cookies, 3);    // a lie
    cout << "First three eaters ate " << sum << " cookies.\n";
    sum = sum_arr(cookies + 4, 4);    // another lie
    cout << "Last four eaters ate " << sum << " cookies.\n";
    return 0;
}

// return the sum of an integer array
int sum_arr(int arr[], int n)
{
    int total = 0;
    cout << arr << " = arr, ";
    // some systems require a type cast: unsigned (arr)
    cout << sizeof arr << " = sizeof arr\n";
    for (int i = 0; i < n; i++)
        total = total + arr[i];
    return total;
}
```

Here's the output (the address values and the array and integer sizes will vary from system