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```cpp
#include <bits/stdc++.h>
using namespace std;
int divisor sum(int n)
{
    int sum = 0;
    for (int i=1; i<=n; ++i)
    {
        for (int j=1; j*j<=i; ++j)
        {
            if (i%j ==0)
            {
                if (i/j ==j)
                    sum+=j;
                else
                    sum+=j+i/j;
            }
        }
    }
    return sum;
}
int main()
{
    int n=42;
    count << "1=" << divisor sum(n) << endl;
    n=147;
    count << "2=" << divisor sum(n) << endl;
    return 0;
}
```

output:-
1=1480
2=17816