#include <fstream>

#include <cassert>

using namespace std;

int a, b, d, IP;

int cmmdc(int a, int b) {

int r;

while (b) {

r = a%b;

a = b;

b = r;

}

return a;

}

int main () {

ifstream fin ("mozaic.in");

ofstream fout("mozaic.out");

fin>>a>>b;

assert(1 <= a <= 1000000000);

assert(1 <= b <= 1000000000);

d = cmmdc(a, b);

IP = 2\*d\*d;

fout<<IP<<" "<<(a/d)\*2LL\*(b/d)<<"\n";

return 0;

}