

```
//The program counts a real distance between two places on the map
in a straight line

#include<iostream>
#include<cstdlib>
using namespace std;
int main()
{
    float linearscale,value,distance;

    cout<<"Give the length of the linear scale in cm on the legend
of the map"<<endl; //the legend of the map there is on the right on
the bootom of the map, you must measure this length

    cin>>linearscale;

    cout<<"Give the value of the linear scale in km"<<endl; //the
value there is next to the linear scale on the right on the bootom
of the map

    cin>>value;

    cout<<"Give the distance between two places on the map in a
straight line in cm"<<endl;//measure the distance between 2 places

    cin>>distance;

    cout<<"The real distance between two places on the map in a
straight line is "<<distance*value/linearscale<<endl;

    system("pause");
    return 0;
}
```