```cpp
#include<iostream>
using namespace std;
int main()
{
        double TBD, TKV, a;
        int dem;
        cout<<"Nhap vao so tien ban dau:  ";
        cin>>TBD;
        cout<<"Nhap vao so tien ki vong:  ";
        cin>>TKV;
        cout<<"Nhap vao lai suat:  ";
        cin>>a;
        dem=0;
        do{
                TBD+=TBD*a;
                dem++;
        }
        while(TBD<TKV);
        cout<<"So nam can gui la: "<<dem;
        return 0;
}
```