using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace StariIzpiti

{

class Program

{

static void Main(string[] args)

{

var n = int.Parse(Console.ReadLine());

var time = Console.ReadLine();

if (n >= 100)

{ Console.WriteLine(n \* 0.06); }

else if (n >= 20 && n < 100)

{ Console.WriteLine(n \* 0.09); }

else if (n < 20 && time == "day")

{ Console.WriteLine(n \* 0.79 + 0.7); }

else

{ Console.WriteLine(n \* 0.90 + 0.7); }

}

}

}