

```

#include <iostream>

using namespace std;
int calculate(int[], int, int);
int main()
{
    int n = 0, D = 0;
    cout << "Enter number of patients: ";
    cin >> n;
    int a[n];
    cout << "Enter patient ages: " << endl;
    for (int i = 0; i < n; i++)
    {
        cout << i + 1 << ": ";
        cin >> a[i];
    }
    cout << "Enter number of maximum vaccinations: ";
    cin >> D;
    cout << "Total number of days: " << calculate(a, n, D) << endl;
    return 0;
}

int calculate(int a[], int n, int D)
{
    int atRisk = 0, notAtRisk = 0, totalDays = 0;
    for (int i = 0; i < n; i++)
    {
        if (a[i] >= 80 || a[i] <= 9)
        {
            atRisk++;
        }
        else
        {
            notAtRisk++;
        }
    }
    totalDays = (atRisk / D) + (D % atRisk == 0 ? 0 : 1) + (notAtRisk / D) + (D % notAtRisk == 0 ? 0 : 1);
    return totalDays;
}

```

```
Enter number of patients: 5
Enter patient ages:
1: 9
2: 80
3: 27
4: 72
5: 79
Enter number of maximum vaccinations: 2
Total number of days: 3
```