/*Day 76 coding Statement :

You are given N integers. In each step you can choose some K of the remaining numbers and delete them,

if the following condition holds: Let the K numbers you've chosen be a1, a2, a3, ..., aK in sorted order.

Then, for each i ≤ K - 1, ai+1 must be greater than or equal to ai * C.

You are asked to calculate the maximum number of steps you can possibly make.*/

```
import java.util.*;
public class Main
{
	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int t=sc.nextInt();
		int a1[]=new int[t];
		int pos=0;
		int count=0;

		while(t!=0){
		   int n=sc.nextInt();
		   int k=sc.nextInt();
		   int c=sc.nextInt();
		   int a[]=new int[n];
		   for(int i=0;i<n;i++){
		      a[i]=sc.nextInt();
		   }
		   for(int i=0;i<n;i++){
		      for(int j=i+1;j<n;j++){
		         if(a[i]>a[j]){
		            int temp=a[i];
```

```
                    a[i]=a[j];
                    a[j]=temp;
                }
            }
        }
        count=0;
        for(int i=0;i<n;i++){
            for(int j=i+1;j<n;j++){
                if(a[j]>=(a[i]*c)){
                    count=count+1;
                    break;
                }
                else{
                    break;
                }
            }
        }

        a1[pos]=count;
        pos++;
        t--;
    }
    for(int i=0;i<pos;i++){
        System.out.println(a1[i]);
    }
  }
}
```