/*Day 89 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 $i \le K - 1$, 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.lang.*;
import java.io.*;
class Main{
public static void main(String[] args){
Scanner sc=new Scanner(System.in);
PrintWriter pw=new PrintWriter(System.out);
int t=sc.nextInt();
sc.nextLine();
while(t-->0)
int n=sc.nextInt();
int k=sc.nextInt();
long c=sc.nextInt();
long a[]=new long[n];
for(int i=0;i<n;i++)a[i]=sc.nextLong();</pre>
Arrays.sort(a);
int min=0;
int max=n/k;
int ans=0;
while(min<=max){
int mid=min+(max-min)/2;
if(check(a,mid,k,c)){
ans=mid;
min=mid+1;
}
else
max=mid-1;
pw.println(ans);
pw.close();
static boolean check(long[] a,int x,int k,long c){
if(k*x>a.length) return false;
if(x==0) return true;
long v[][]=new long[k][x];
for(int i=0;i<x;i++) v[0][i]=a[i];
int s=x;
for(int i=1;i< k;i++){
```

```
for(int j=0;j<x;j++){
boolean flag=false;
while(s<a.length){
  if(a[s]>=c*v[i-1][j]){
  v[i][j]=a[s];
  s++; flag=true;
  break;
}
s++;
}
if(!flag) return false;
}
}
return true;
}
```