```java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
 static boolean isPoss(int x,long []arr,int k,int c)
 {
 ArrayList<ArrayList<Long>> list=new ArrayList<>();
 int cur=0,n=arr.length;
 for(int i=0;i<x;i++)
 {
 list.add(new ArrayList<Long>());
 }
 for(int i=0;i<n;i++)
 {
 cur=cur%x;
 int sz=list.get(cur).size()-1;
 if(sz<0||list.get(cur).get(sz)*c<=arr[i])
 {
 list.get(cur).add(arr[i]);
 cur=(cur+1)%x;
 }
 }
 if(list.get(x-1).size()>=k)
 return true;

 return false;
 }

 static long divset(long []arr,int k,int c)
 {
 int n=arr.length;
 int l=1,r=n;//To avoid zero x
 int res=0;
 Arrays.sort(arr);
 while(l<=r)
 {
 int mid=l+(r-l)/2;

 if(isPoss(mid,arr,k,c)){
 l=mid+1;
 res=mid;
 }
 else
 r=mid-1;
 }
 return res;
 }

public static void main (String[] args) throws java.lang.Exception
{
BufferedReader bf=new BufferedReader(new InputStreamReader(System.in));
int t=Integer.parseInt(bf.readLine());
StringBuffer str=new StringBuffer("");
```

```java
while(t-->0)
{
 String s[]=bf.readLine().trim().split("\\s+");
 int n=Integer.parseInt(s[0]);
 int k=Integer.parseInt(s[1]);
 int c=Integer.parseInt(s[2]);
 long arr[]=new long[n];
 s=bf.readLine().trim().split("\\s+");
 for(int i=0;i<n;i++)
 arr[i]=Long.parseLong(s[i]);

 str.append(divset(arr,k,c)+"\n");
}
System.out.println(str);
}
}
```