**Maximize Toys**

[greedy](http://www.practice.geeksforgeeks.org/tag-page.php?tag=greedy&isCmp=0)

Given an array consisting cost of toys. Given an integer K depicting the amount with you. Maximise the number of toys you can have with K amount.

**Input:**

The first line contains an integer T, depicting total number of test cases.   
Then following T lines contains an integer N depicting the number of toys and an integer K depicting the value of K.  
Next line is followed by the cost of toys.

**Output:**

Print the maximum toys in separate line.

**Constraints:**

1 ≤ T ≤ 30  
1 ≤ N ≤ 1000  
1 ≤ K ≤ 10000  
1 ≤ A[i] ≤ 10000

**Example:**

Input  
1  
7 50  
1 12 5 111 200 1000 10  
Output  
4

\*\*For More Examples Use Expected Output\*\*

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=181>

#include <iostream>

#include <stdio.h>

#include <vector>

using namespace std;

int main() {

    int t;

    scanf("%d", &t);

    while(t--) {

      int n,k;

      scanf("%d %d", &n, &k);

      std::vector<int> T;

      for(int i =0; i < n; i++)  {

        int toy;

        scanf("%d", &toy);

        T.push\_back(toy);

      }

      std::sort(T.begin(), T.end());

*/\**

*for(int i =0; i < n; i++)*

*printf("%d ", T[i]);*

*\*/*

        int cont =0;

        int sum =0;

        for(int i =0;  ; i++) {

          if(sum + T[i] > k) {

               break;

          }

          cont++;

          sum += T[i];

        }

        printf("%d**\n**", cont);

    }

 return 0;

}