

Birthday Cake Candles ☆

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Editorial by [shashank21j](#)

There are two steps to solving this challenge:

1. Find the maximum height, ***m***, of any candle.
2. Count the number of occurrences of candles having ***height*** \equiv ***m*** among all the candles, then return or print this number.



Set by [shashank21j](#)

Problem Setter's code:

Python 2

```
n = input()
arr = map(int, raw_input().split())
print arr.count(max(arr))
```

Ruby

```
n = gets.strip.to_i
height = gets.strip
height = height.split(' ').map(&:to_i)
ans = 0
max_height = height.max
(0..n-1).each do |i|
  if height[i] == max_height
    ans = ans + 1
  end
end
print ans
```



Tested by [AllisonP](#)

Problem Tester's code:

Java

```
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);

        // the number of candles
        int n = scan.nextInt();

        // store the current maximum height of any candle, initialize to the minimum possible
        int maxHeight = 1;

        // count the number of candles having the maximum height
        int countMax = 0;

        for(int i = 0; i < n; i++) {
            int tmp = scan.nextInt();

            // if you read in a value larger than maxHeight, set new maxHeight
            if(tmp > maxHeight) {
                maxHeight = tmp;
                countMax = 1;
            }
        }
    }
}
```

STATISTICS

Difficulty: **Easy**
Time Complexity: **$O(n)$**
Required Knowledge: For loop
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Originally featured in [RookieRank](#)

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```

    }
    // if you read a value equal to the current value of maxHeight
    else if(tmp == maxHeight) {
        // increment the count of candles having maximum height
        countMax++;
    }
}
scan.close();

System.out.println(countMax);
}
}

```

Feedback

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