

# 1833. Maximum Ice Cream Bars

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It is a sweltering summer day, and a boy wants to buy some ice cream bars.

At the store, there are `n` ice cream bars. You are given an array `costs` of length `n`, where `costs[i]` is the price of the `i`th ice cream bar in coins. The boy initially has `coins` coins to spend, and he wants to buy as many ice cream bars as possible.

Return the **maximum** number of ice cream bars the boy can buy with `coins` coins.

**Note:** The boy can buy the ice cream bars in any order.

## Example 1:

**Input:** `costs = [1,3,2,4,1]`, `coins = 7`

**Output:** 4

**Explanation:** The boy can buy ice cream bars at indices 0,1,2,4 for a total price of  $1 + 3 + 2 + 1 = 7$ .

## Example 2:

**Input:** `costs = [10,6,8,7,7,8]`, `coins = 5`

**Output:** 0

**Explanation:** The boy cannot afford any of the ice cream bars.

## Example 3:

**Input:** `costs = [1,6,3,1,2,5]`, `coins = 20`

**Output:** 6

**Explanation:** The boy can buy all the ice cream bars for a total price of  $1 + 6 + 3 + 1 + 2 + 5 = 18$ .

```
def maxIceCream(self, costs: List[int], coins: int) -> int:
    count = 0
    costs.sort()
    i = 0
    while i < len(costs) and coins > 0:
        if costs[i] <= coins:
            count = count + 1
            coins = coins - costs[i]
        i = i + 1
    return count
```