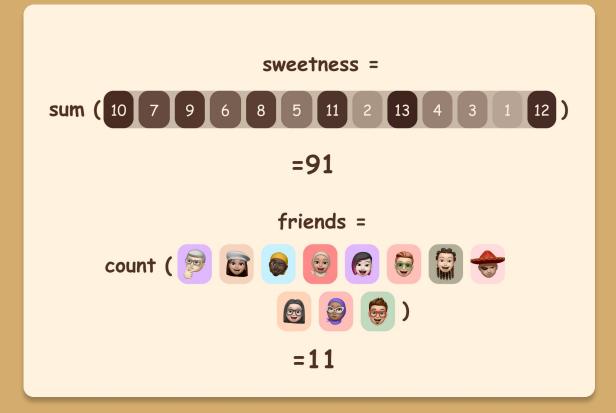
## Optimizing Chocolate Sharing with Binary Search

- Problem: Sharing a chocolate bar fairly among 11 people.
- Objective: Maximize
   the sweetness of the
   piece with minimal
   sweetness.



## Maximizing Chocolate Sweetness

## Binary Search Approach:

Efficient way to find the maximum available total sweetness.

## Steps:

- Initialize boundaries.
- Calculate mid-point.
- Check if it's possible to cut the bar into 10 pieces.
- Update boundaries accordingly.
- Repeat until convergence.

