

# Divide and Conquer

- **Divide** the problem into subproblems.
- **Conquer** the subproblems by solving them recursively.
- **Combine** the solutions to subproblems into the solution for original problem.

# Quiz Sample

- True or false?
- Every algorithm that contains a divide step and a conquer step is a divide-and-conquer algorithm.

# Quiz Sample

- True or false?
- Every algorithm that contains a divide step and a conquer step is a divide-and-conquer algorithm.
- Answer: No
- A dynamic programming contains a divide step and a conquer step and may not be a divide-and-conquer algorithm.