

Logic Assignment — Set the table for dinner

How should I prepare for dinner?

- What kind of food are we eating?
 - Takeout
 - If we are eating takeout, then we don't need to set the table, because everything (forks, knives, plates, etc.) are included in the package.
 - Home Cooked Meal
 - If we are eating a home cooked meal, then it would be necessary to set up the table.
- How will the food be eaten?
 - Is it food you eat with your hands?
 - If yes, then forks, knives, and spoons wouldn't be necessary. You would only need plates and napkins.
 - If not, then you would possibly need forks, knives, and spoons, as well as plates and napkins.
 - Is the food liquidy (soup, etc.)
 - If yes, then you would need a spoon, but not forks or knives.
 - If not, then you probably would not need a spoon.
- Are we drinking anything?
 - If yes, then we need to set a cup at the table.
 - If not, then there is no need for a cup.
- How many people are eating?
 - Depending on how many people are eating, we need to set up a plate for each person.

Ex: We are having home cooked steak and Pepsi for dinner for 4 people.

- Since the meal is home cooked, we will need to set up the table.
- Steak cannot be eaten with your hand, nor is it liquidy.
 - Therefore, we need utensils, but we only need a fork and knife.
- Since we will be having drinks, we need to set up cups.
- Since 4 people will be eating, we will set up 4 plates.
- Steps:
 - First, place a plate at each of the four chairs at the dinner table.
 - On the left of each plate, place a folded napkin there. Then on top of the napkin, place a fork.

- On the right of each plate, place a knife.
- On the top right corner, place a cup for the drinks.

What do we need?

- Table
- Chairs
- Plates
- Napkins
- Forks
- Knives
- Cups