Problem-Solving Strategy: Use Logical Reasoning

**Problem**
For lunch, Emma, Rosa, and Vanya each bring a sandwich (a tuna roll, a turkey wrap, or a veggie wrap) and a drink (water, milk, or apple juice). Both Rosa and Emma bring wraps. Vanya does not drink juice. Emma does not eat fish or meat and is allergic to apple juice. The person who brings tuna doesn’t bring water. What does each person bring for lunch?

**Understand**

What is the question? ____________________________

________________________

What are the sandwiches and drinks? ____________________________

________________________

What do you know about:

**a. Emma?**

________________________

**b. Rosa?**

________________________

**c. Vanya?**

________________________

What other fact do you know? ____________________________

________________________

**Plan**

How can logical reasoning help you solve the problem?

________________________

________________________

**Solve**

Fill in the table with person’s name, sandwich, and drink.
Then write *yes* or *no*.

<table>
<thead>
<tr>
<th>Name</th>
<th>Sandwich</th>
<th>Drink</th>
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</table>

What is the solution? ____________________________

________________________

**Look Back**

How did the table help you to solve the problem?

________________________