Perfect Party Punch

Standard:
- Convert units of measurement in the customary system (Capacity)

Task: We are making punch for a Bulls Team party. A little more than 100 students will attend the party. The recipe below will serve 16 students. Answer the following questions about the punch for the party. Show all work and explain how you know your answers are accurate.

Party Punch
Serves 16 (serving size: 8 fluid ounces)

Ingredients:
- 2 Pints Strawberry Sherbet
- 2 Quarts Fruit Punch, chilled
- 32 Fluid Ounces Lemon-Lime flavored carbonated beverage, chilled

Directions:
Place sherbet in a punch bowl. Pour in fruit punch and lemon-lime soda.

1. How much of each ingredient needs to be purchased to serve punch at the party? Rewrite the recipe to serve over 100 students.

2. How many total gallons of punch can be made with the ingredients purchased?

3. How many batches of the recipe will you need? How do you know?
Use your answer from question 1 to answer questions 4-7.

4. How much sherbet will you need to buy? How many pints do you need? How many gallons is that? How do you know?

5. How many quarts of Fruit Punch do you need? How many gallons of Fruit Punch do you need? How do you know?


7. How many fluid ounces of punch will you make? How many 8 fluid ounce servings is that? How do you know?

8. If each serving is 12 fluid ounces, how many servings can be made with the ingredients purchased?

9. How are fluid ounces, cups, pints, quarts, and gallons related?

10. Why do we need to be able to convert between capacity units of measure?
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<tr>
<th>Criteria</th>
<th>+</th>
<th>✓</th>
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<tbody>
<tr>
<td>Set-up</td>
<td>The set ups of the conversions were accurate with all numbers in the correct places</td>
<td></td>
<td>The set ups of the conversions were inaccurate. Some numbers were in the wrong spots</td>
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<td>Converting Units</td>
<td>Correctly answered questions 2, 4, 5, 6 and 7. Conversions were shown</td>
<td>Correctly answered three of the questions (2, 4, 5, 6 and 7.) conversions were shown</td>
<td>Correctly answered less than 3 of the questions (2, 4, 5, 6 and 7.) OR no conversions were shown</td>
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<td>Thought Process</td>
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<td>Thought process was seen through the answers of the other questions. Thought process was either not effective, or inaccurate</td>
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