## Apply

8. To make a homemade all-purpose household cleaner, you can mix the ingredients shown in the table. Samuel has 1 cup of rubbing alcohol and will use the entire amount. He plans to store the cleaning solution in containers that each hold a maximum of 6 cups. How many containers does he need? Write an argument to defend your solution.

| All-Purpose Cleaner |
| --- |
| 1 cup vinegar |
| $\frac{1}{2}$ cup rubbing alcohol |
| 1 gallon water (16 cups) |

9. The table shows the ingredients needed to make one batch of homemade slime. Dodi has 2 cups of liquid starch and will use the entire amount. She plans to store the slime in containers that each hold a maximum of 6 fluid ounces. How many containers will she need? Write an argument to defend your solution. (Hint: 2 cups = 16 fluid ounces)

| Ingredient | Amount (fl oz) |
| --- | --- |
| Glue | 4 |
| Liquid Starch | 4 |
| Water | 4 |

## Test Practice

7. **Open Response** A football coach needs to divide 48 players into two groups. He wants the ratio of players in Group 1 to players in Group 2 to be 1 to 3. How many players will be in Group 2?