



Problem of the Week

Problem A

Perfect Punch

Su is going to make punch for her friends. She wants to mix 3 L of orange juice, 1 L of pop, $\frac{1}{2}$ L of grape juice, and 300 mL of cranberry juice in a punch bowl.

- (a) To avoid spilling, Su plans to use a punch bowl with a capacity of at least 200 mL more than the liquid it holds. What is the smallest capacity that her punch bowl should have?
- (b) Su has cups that can each hold 300 mL of punch. How many of these cups can she fill with the punch she makes?

