Mindy is mixing some sugary punch for tomorrow’s fund-raiser. She took over for someone who goofed up. She knows that she already has 20 liters of an 18% punch mix and 50 liters of a 30% punch mix. How can she make both batches into a 25% mixture by mixing the existing punches and adding only water? How much water does she need to add once she mixes the two batches?

**10 point**

4 points for guess-and-check table (at least 3 guesses/checks), 4 points for algebra formula derived from the guess-and-check table (show your work to solve the equation), 2 points for final answer \*please circle\* (How much water does she need to add?).