

HOME/SCHOOL CONNECTION

Cooking With Concentration

Is it concentrated or diluted?

Using the sample recipe below, show how you can make it more concentrated and less concentrated (diluted).

6 Lemons
1 Cup Sugar
1000 ml Water

#1: There are two ways to make this solution *twice* as concentrated:

_____ Lemons	_____ Cup Sugar	_____ ml Water
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Or

_____ Lemons	_____ Cup Sugar	_____ ml Water
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#2: There are two ways to make this solution *half* as concentrated:

_____ Lemons	_____ Cup Sugar	_____ ml Water
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Or

_____ Lemons	_____ Cup Sugar	_____ ml Water
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#3: How much of each ingredient would you use to make the original recipe serve *twice* as many people (*equally* concentrated)?

_____ Lemons	_____ Cup Sugar	_____ ml Water
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#4: Work with a family member to find a recipe for a beverage, such as a smoothie or milkshake (try to find one with fewer than six ingredients). On the back, list the ingredients then complete each chart to show how you could make it more concentrated, less concentrated, and to serve twice as many people.

Original Recipe

2x Concentration

½ Concentration

Equal Concentration (Serves twice as many people)
