

Mixing Orange Juice

Natasha and Tamara are in charge of making orange juice for their class. They plan to make the juice by mixing water and frozen orange juice concentrate. To find the mix that tastes best, they decide to test some recipes. Which recipe will make juice that is the most "orangey"? Using pictures, words, numbers and/or symbols, show how you figured it out.

<p>Mix A</p> <p>2 cups concentrate</p> <p>3 cups cold water</p>
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<p>Mix B</p> <p>1 cup concentrate</p> <p>4 cups cold water</p>

<p>Mix C</p> <p>4 cups concentrate</p> <p>8 cups cold water</p>
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<p>Mix D</p> <p>3 cups concentrate</p> <p>5 cups cold water</p>
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Mix A doesn't have enough water and flavor.

Mix B is the way you usually make it and that is sweet but not sweet enough.

Mix D doesn't have enough flavor to it and too much water.

Mix C will be the most orangey because there is enough flavor and doesn't have too much water but enough water.



Brain Peek:

When looking at my paper, you can easily see

- My answer.
- How I figured it out.

Adapted from : http://teresaemmert.weebly.com/uploads/1/3/0/5/13053448/orange_juice_problem.pdf



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Mix A

2 cups concentrate
3 cups cold water

Mix B

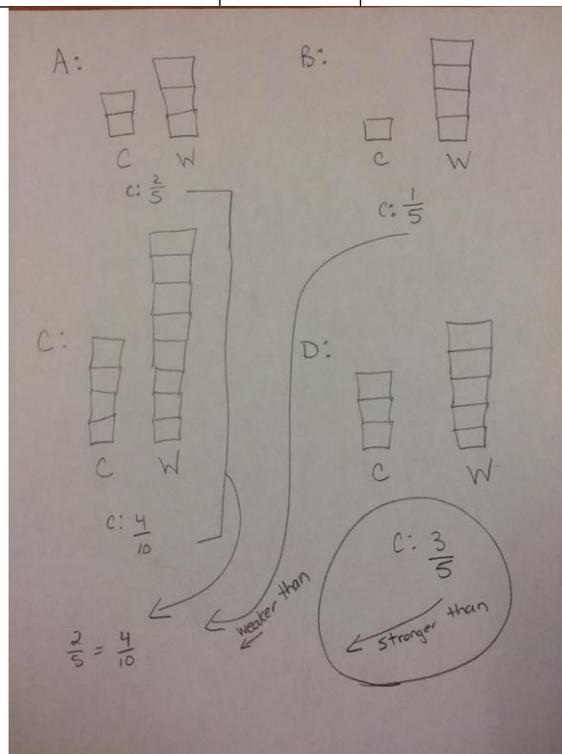
1 cup concentrate
4 cups cold water

Mix C

4 cups concentrate
8 cups cold water

Mix D

3 cups concentrate
5 cups cold water



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