

**Jasmine's Juice Blend**

Here is the recipe for Jasmine's Citrus Juice Blend:

Orange Juice	Grapefruit Juice	Tangerine Juice
4 cups	3 cups	2 cups

- a) How much grapefruit and tangerine should Jasmine mix with 12 cups of orange juice?
- b) How much grapefruit and tangerine should Jasmine mix with 3 cups of orange juice?
- c) How much of each juice should Jasmine use to make 12 cups of her citrus blend?
- d) How much of each juice should Jasmine use to make 17 cups of her citrus blend?



Menu Questions

(These are quite similar to the MLP. The \* uses easier numbers The first \*\*/\*\* is a follow-up to the ML question with a few extra things to consider. The “write-your-own” is something that can be used on a regular basis and gives students the opportunity to connect other skills to math as well as the chance to be creative.)

*\*Here is the recipe for Seth’s Citrus Juice Blend:*

Orange Juice	Grapefruit Juice	Tangerine Juice
3 cups	2 cups	1 cups

- a) How much of each juice should Seth use to make 12 cups of his juice blend?*
- b) How much of each juice should Seth use to make 9 cups of his juice blend?*
- c) How much orange and tangerine should Seth mix with 5 cups of grapefruit juice?*

*\*\*\*More problems for Jasmine...*

*Here is the recipe for Jasmine’s Citrus Juice Blend:*

Orange Juice	Grapefruit Juice	Tangerine Juice
4 cups	3 cups	2 cups

- a) Jasmine has 7 cups of orange juice, 5 cups of grapefruit juice, and 4 cups of tangerine juice. What is the largest batch of her juice blend that she can make?*
- b) Jasmine has 5 cups of each juice on hand. What is the least amount of additional juice that she would need to get in order to use up all of the juice that she already has on hand?*

*\*\*/\*\*Write your own problem about a juice blend. Include at least one question that you think would be easy and one that you think would be harder. What makes the easy question easy? What makes the harder question hard? Include a solution to your problem.*

