

Name _____

Date _____

Lesson 1: Apply

Maredeth and Devin attend summer camp. Everyone at camp helps with the cooking and cleanup at meals times. One morning, Maredeth and Devin make orange juice for all the campers. 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 mixes.

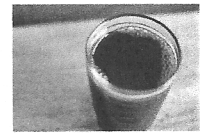
Mix A	
2 cups	3 cups
Concentrate	Cold Water

Mix B	
5 cups	8 cups
Concentrate	Cold Water

Mix C	
3 cups	4 cups
Concentrate	Cold Water

Mix D	
4 cups	7 cups
Concentrate	Cold Water

- A. If all grape juice concentrates are the same strength, which recipe would you expect to have the strongest grape taste? Explain.
- B. Which mix will make juice that is the most watered down? Explain.
- C. Maredeth made mix D and then added two cups of grape juice concentrate and two cups of water into the container. Will the grape juice taste the same as the original mix D? Explain.



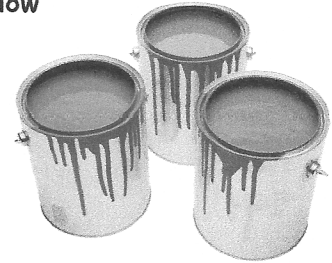
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Lesson 1: Homework

The students in Ms. Baca's art class were mixing yellow and blue paint. She told them that two mixtures will be the same shade of green if the blue and yellow paint are in the same ratio.

The table below shows the different mixtures of paint that the students made.



	A	B	C	D	E
Amount of yellow paint (Cups)	2	3	6	6	9
Amount of blue paint (cups)	1	2	3	4	6

a. How many different shades of paint did the students make? Explain.

b. Which mixture(s) make the same shade as mixture A? Explain.

c. Ms. Baca's class decided to use mixture A to create green paint. Then Ms. Baca added two cups of yellow paint and two cups of blue paint to the mixture. Will this new mixture be the same shade of green as the original mixture A? Explain.