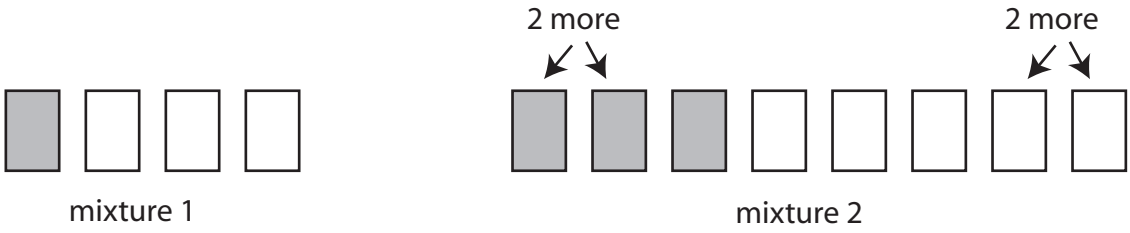
Drink mixtures and ratios

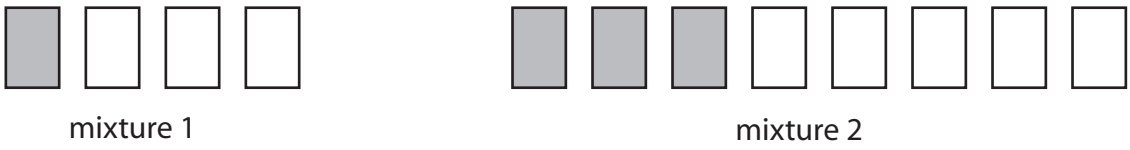
1. In two separate containers, make two mixtures of red punch and lemon lime soda, each containing 1 part red punch and 3 parts lemon lime soda (make sure there is still some room in one of the containers!). Now add 2 parts red punch and 2 parts lemon lime soda to one of the containers.



Will the two mixtures taste the same? Why or why not?

Try both mixtures. Do they taste the same?

2. In the tables below, list several different mixtures of red punch and lemon lime soda that will taste exactly the same as the two mixtures you made earlier. Explain how you know that the mixtures should taste the same. Try to use the tables to explain why the two original mixtures do or don't taste the same.



tastes the same as mixture 1			**tastes the same as mixture 2**		
Red Punch		Lemon Lime Soda	Red Punch		Lemon Lime Soda
_____ parts	to	_____ parts	_____ parts	to	_____ parts
_____ parts	to	_____ parts	_____ parts	to	_____ parts
_____ parts	to	_____ parts	_____ parts	to	_____ parts
_____ parts	to	_____ parts	_____ parts	to	_____ parts
_____ parts	to	_____ parts	_____ parts	to	_____ parts
_____ parts	to	_____ parts	_____ parts	to	_____ parts