

## Punch mixtures and ratios

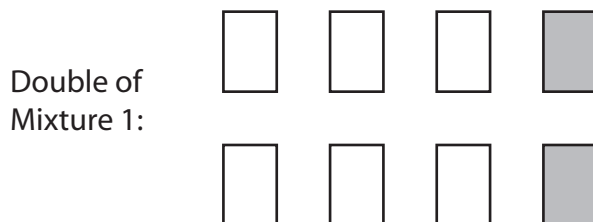
1. If we mix 3 cups Sprite with 1 cup juice, the ratio of Sprite to juice is 3 to 1.



What fraction of the mixture is Sprite? Answer: \_\_\_\_\_

What fraction of the mixture is juice? Answer: \_\_\_\_\_

2. To double the mixture in problem 1, we mix 6 cups Sprite with 2 cups juice. What is the ratio of Sprite to juice? Answer: \_\_\_\_\_

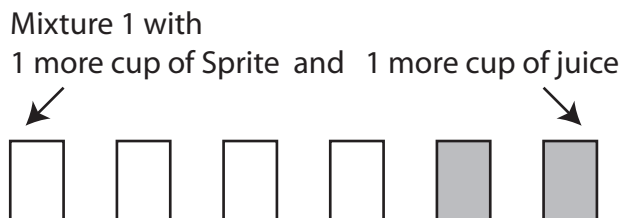


What fraction of the mixture is Sprite? Answer: \_\_\_\_\_

What fraction of the mixture is juice? Answer: \_\_\_\_\_

Do you think this mixture will taste the same as the first mixture? Why or why not?

3. If we add 1 cup of Sprite and 1 cup of juice to the first mixture then there will be 4 cups Sprite and 2 cups juice in the mixture. What is the ratio of Sprite to juice? Answer: \_\_\_\_\_



What fraction of the mixture is Sprite? Answer: \_\_\_\_\_

What fraction of the mixture is juice? Answer: \_\_\_\_\_

Do you think this mixture will taste the same as the first mixture? Why or why not?

4. Fill in the blanks to make equivalent ratios. Drink mixtures with equivalent ratios will taste the same.

Juice		Sprite
1 part	to	3 parts
2 parts	to	6 parts
3 parts	to	_____
4 parts	to	_____
5 parts	to	_____
10 parts	to	_____
20 parts	to	_____
30 parts	to	_____

5. Fill in the blanks to make equivalent ratios. Drink mixtures with equivalent ratios will taste the same.

Juice		Sprite
2 parts	to	5 parts
4 parts	to	10 parts
6 parts	to	_____
8 parts	to	_____
10 parts	to	_____
5 parts	to	_____
20 parts	to	_____
30 parts	to	_____

6. Will the mixtures in problem 4 taste the same as the mixtures in problem 5? Why or why not?