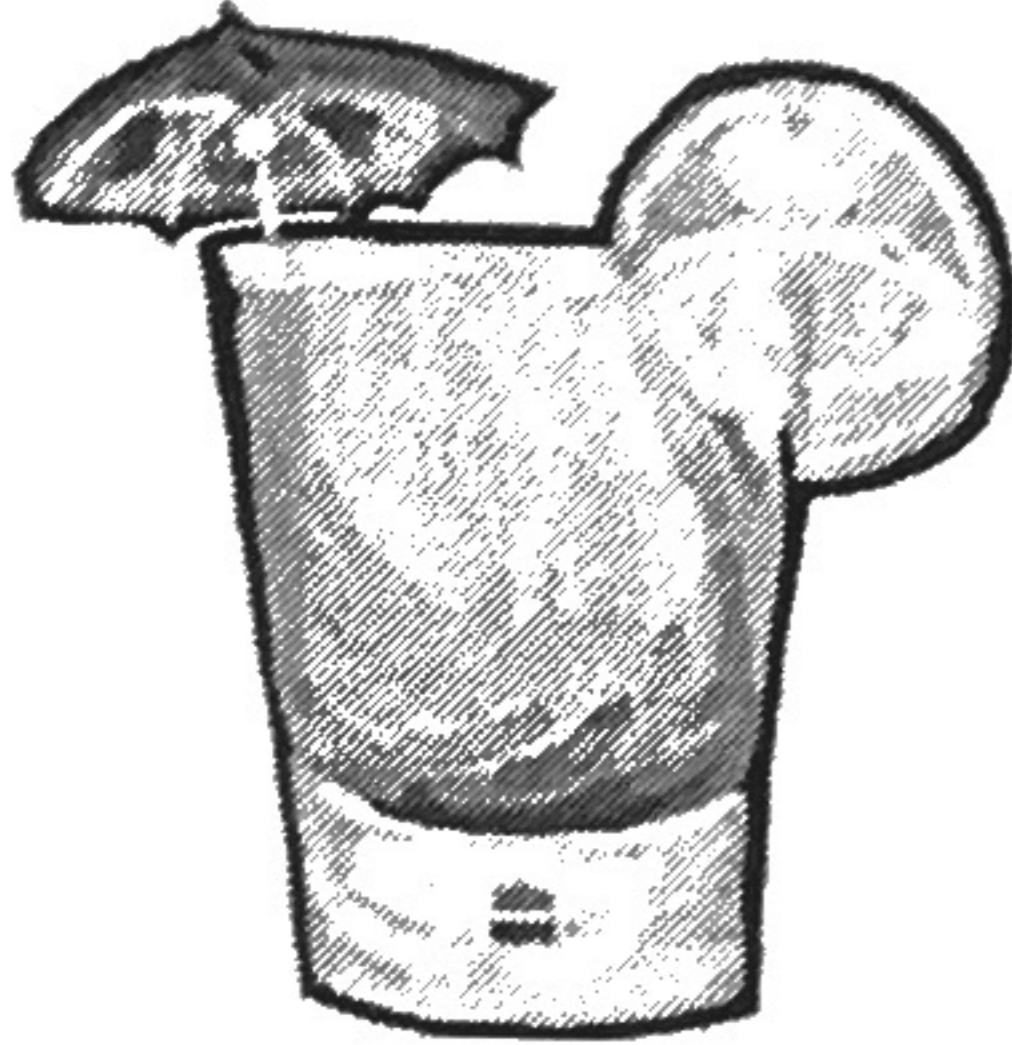


Name: _____

Mixing Drinks Worksheet #2



To make 6 liters of *Fruit Fizz*, mix 1 liter of raspberry juice, 2 liters of apple juice and 3 liters of soda

1. Complete the table below with the amounts of raspberry juice, apple juice and soda needed to make the different quantities of *Fruit Fizz*. The mixture must taste exactly the same each time.

Amount of Raspberry Juice (liters)	Amount of Apple Juice (liters)	Amount of Soda (liters)	Total Amount of <i>Fruit Fizz</i> (liters)
1	2	3	6
	1		
			12

2. Here are three ways to make apple fizz:

- For each liter of soda mix $\frac{2}{3}$ liters of apple juice.
- Mix apple and soda in the ratio 2 : 3.
- $\frac{2}{3}$ of the mixture is soda, the rest is apple juice.

Qaylah wants to mix the least appley drink. Which mixture should she choose?

For every liter of apple, how many liters of soda should she add to the mixture?
Explain your reasoning.

Ratio Problems Worksheet

Solve. If the problem asks for a ratio, give it in simplified form.

1 A kennel has 135 dogs in total, some are puppies and some are adult dogs. The ratio of puppies to adult dogs in a kennel is 1 : 4. How many adult dogs are there?

2 A kennel has 75 dogs in total, some are puppies and some are adult dogs. The ratio of puppies to adult dogs in a kennel is 1 : 4. How many puppies are there?

3 A truck is carrying peach juice, tomato juice, and pineapple juice bottles in a ratio of 3 : 1 : 2. If there are 54 peach juice bottles, then how many tomato juice bottles are there?

4 Lucas has nickels, dimes, and quarters in the ratio of 4 : 1 : 3. If 52 of Lucas's coins are nickels, how many dimes and quarters does Lucas have?

5 A jar contains 960 beans. Of all the beans, $\frac{1}{6}$ are lima beans and the rest are mung beans. What is the ratio of lima beans to mung beans?

6 The ratio of girls to boys in a an astronomy club was 2 : 3. There were 21 boys. How many total members were there in the club?