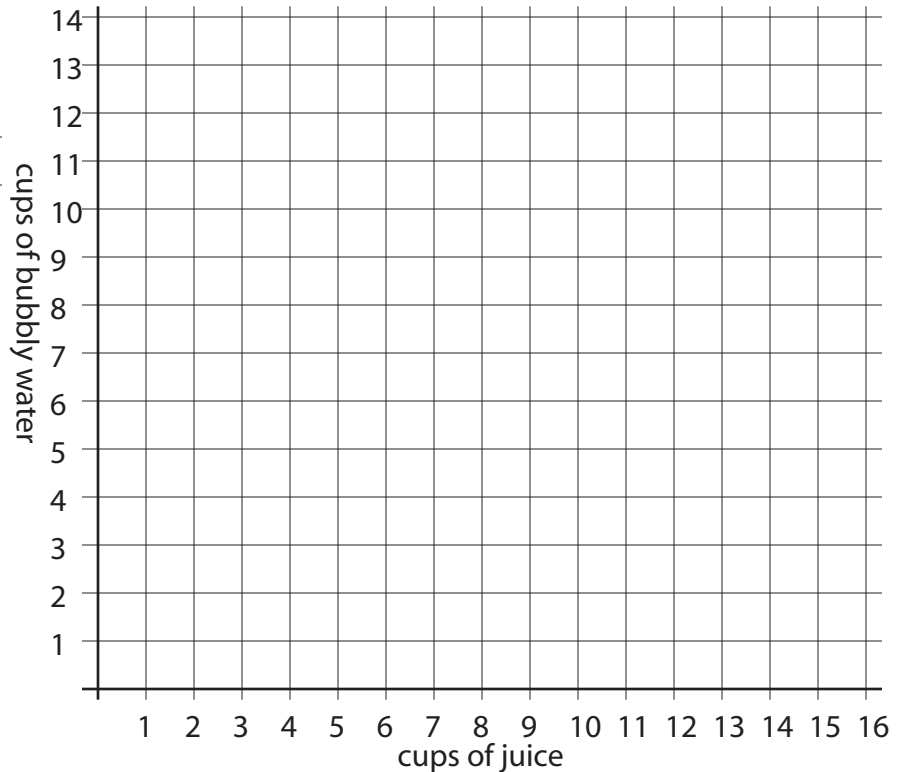


Ratio problems for 6th graders:

1) We can make 1 batch of a juice drink by mixing 3 cups of juice with 2 cups of bubbly water. Fill in the table below with equivalent ratios. Drink mixtures made with equivalent ratios will taste the same. Then plot as many of the the points on the graph as you can.

	cups juice	cups bubbly water	point
1 batch:			
2 batches:			
3 batches:			
4 batches:			
5 batches:			
6 batches:			
7 batches:			
8 batches:			
9 batches:			
10 batches:			
11 batches:			



2) Use the table or graph above to help you answer the following questions.

To make the juice drink in problem 1 with 12 cups of juice, how many cups of bubbly water should you use? Answer: _____

To make the juice drink in problem 1 with 16 cups of bubbly water, how many cups of juice should you use? Answer: _____

To make the juice drink in problem 1 with 3 cups of bubbly water, how many cups of juice should you use? Answer: _____

To make the juice drink in problem 1 with 5 cups of bubbly water, how many cups of juice should you use? Answer: _____

3) On the graph above, plot the point for a juice drink made by mixing 3 cups of juice with 1 cup of bubbly water. Will this mixture taste the same as the others? Answer: _____

On the graph above, plot the point for a juice drink made by mixing 5 cups of juice with 4 cups of bubbly water. Will this mixture taste the same as the others? Answer: _____

On the graph above, plot the point for a juice drink made by mixing 12 cups of juice with 10 cups of bubbly water. Will this mixture taste the same as the others? Answer: _____