## Activity 3: Sparkling Orange Juice

Lin and Noah each have their own recipe for making sparkling orange juice.

* Lin mixes 3 liters of orange juice with 4 liters of soda water.
* Noah mixes 4 liters of orange juice with 5 liters of soda water.

How do the two mixtures compare in taste? Explain your reasoning.

#### Are you ready for more?

1. How can Lin make her sparkling orange juice taste the same as Noah’s just by adding more of one ingredient? How much will she need?
2. How can Noah make his sparkling orange juice taste the same as Lin’s just by adding more of one ingredient? How much will he need?



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