

## Orange Vinaigrette: Percentages and Proportionality (4th grade and above)

[The Edible Schoolyard \(www.theedibleschoolyard.org\)](http://www.theedibleschoolyard.org)

### Ingredients

- 1 teaspoon orange zest
- Juice of 1 orange
- 1 clove garlic - peeled and minced
- 3 tablespoons white vinegar
- 3 tablespoons balsamic vinegar
- 3/4 cup olive oil
- 1/2 teaspoon salt
- 8 grinds pepper

### Useful Conversions

- There are 16 tablespoons in 1 cup.
- The juice of 1 orange equals about 1/2 cup.

### Method

- Combine all ingredients except the olive oil in a mixing bowl.
- Add the olive oil slowly, whisking constantly.

### Delicious Math

1. Create a chart that could be used to convert measures given in cups to tablespoons.
2. What proportion of the liquid in this recipe is vinegar?
3. What proportion of the liquid in this recipe is oil?
4. What proportion of the liquid in this recipe is orange juice?
5. Make a drawing to show the proportions of oil, orange juice, and vinegar to the total liquid used in the recipe.