

TOPIC 1: Using Ratios – Block 8 Constructed Response 1 (In-Class Work)

1. The vegetable soup recipe serves 5 people. You need to serve 15 people. Write a new, scaled recipe **ON THE TABLE in the second column**, *listing each ingredient* to serve exactly 15 people.

VEGETABLE SOUP RECIPE

Original Recipe Serves 5	Serves 15 (Problem #1)	To serve 3 more people (Problem #4)
5 cups water		
$\frac{1}{3}$ cup olive oil		
4 cloves garlic		
$1\frac{1}{2}$ large onion		
3 zucchini		
2 green pepper		
5 tomatoes		

2. Your friend is making the same vegetable soup recipe. But he has increased it even more to serve more people. He is using $10\frac{1}{2}$ large onions. How many people does he plan to feed?
3. You are now serving fewer people, so you reduce the recipe. You determine you only need $\frac{4}{5}$ of a green pepper for your soup. How much olive oil will you need?
4. You made the soup for 5 people. You find out that 3 more people also will have soup. **ON THE TABLE in the third column**, list *how much more of each ingredient* needs to be added to the soup. (Use the back for work space, if needed.)