Measuring Up

Level B

A small group of six soldiers came into a small town.

They were very hungry, but none of the townspeople offered them food.

One of the soldiers announced that they would make stone soup.

"How do you make stone soup?" a townsperson asked.

"Well," the soldier replied, "you need a big pot, water, and a large stone."

The townspeople, very curious to see how stone soup was made, gathered together the materials.

The soldiers started to cook the soup over a fire they made. Once the soup began to boil, a soldier said, "Sure, this will be a tasty stone soup, but a delicious stone soup would have additional ingredients." The townspeople, now even more curious, asked what extra ingredients might be added. "Well, for each person, you would need 2 baby carrots, 3 green onions, and 5 chunks of meat."

The townspeople brought more and more ingredients and put them in the soup. They began to lose track of how many people they could serve. One young girl, who was careful to count the green onions, announced that there were 69 green onions in the soup.

How many chunks of meat would need to be in the soup to make the recipe taste right?

How many people can be served soup with all these ingredients? Show how you figured it out.

One man said, "If we have 69 green onions, then I know we need 45 carrots." Is the man right? Explain your answer.