



## Problem of the Week

### Problem A

### Bean There; Done That

Suppose you want to make a four-bean salad using green beans, wax beans, kidney beans, and garbanzo beans. When you weigh the ingredients you notice the following:

- In total, the mass of all the beans in the salad is 1 kg.
- The sum of the mass of the garbanzo beans and the mass of the green beans make up half of the total mass of the beans in the salad.
- The masses of the garbanzo beans and the green beans are the same.
- The mass of the wax beans is 235 g.

What is the mass of each type of bean in the salad? Justify your answer.

