Problem of the Week
Problem C
Keep The Average

Jackie is making a sequence of six numbers using the following rules.

1. She choses any two numbers for the first two numbers.

2. The next four numbers are each the average of the previous two numbers.

After she creates the sequence, she tells her friend that the fourth number is 22 and the sixth number is 45. What numbers did Jackie choose for the first two numbers?

?	?	?	22	?	45