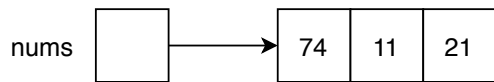


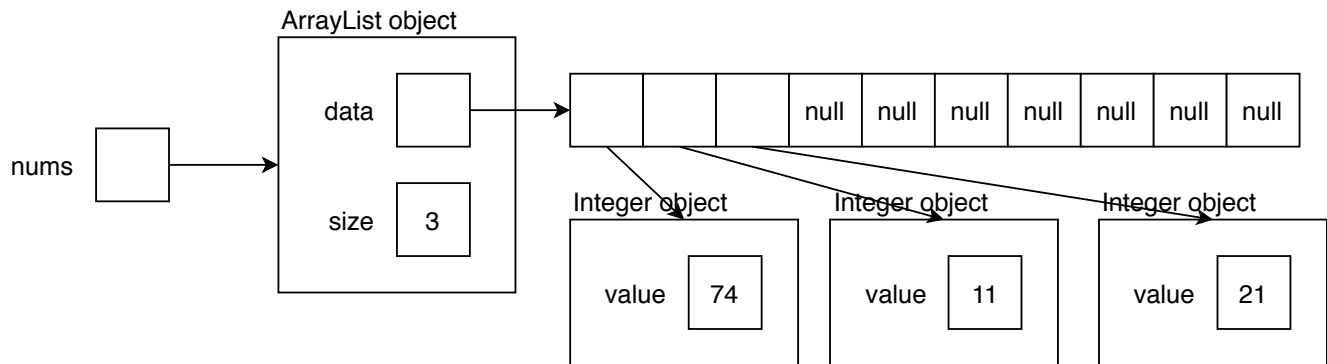
# Model 1 Memory Diagrams

The following diagrams are based on the example code from ??.

## Array of ints:



## ArrayList of Integers:



## Questions (10 min)

Start time:

1. What is the length of the array inside of the ArrayList?
2. How are the contents of the data array different from the array of ints?
3. What happens when a fourth element is added to the ArrayList?
4. Explain how an ArrayList can “grow” when adding new elements.
5. Why do ArrayLists require so much more memory than arrays?