Arrays: contiguous area of memory that stores elements of equal size, indexed by contiguous integers. With arrays we have privilege of random time access.

## **Arrays**

## Times for Common Operatio

	Add	Remove
Beginning	O(n)	O(n)
End	O(1)	O(1)
Middle	O(n)	O(n)

8 3 12

Constant time access to add/ remove at the end. Constant time access to any elements.

Linear time to add/remove at any arbitrary location.

## **Arrays**

## What's Special About Arrays?

Constant-time access  $array\_addr + elem\_size \times (i - first\_index)$ 

