

2.

Results for the extraLargeArray

insert 777.157292 ms 777157.292

append 2.456208 ms 2456.208

3.

Results for the tinyArray

insert 25.375 μ s

append 76.042 μ s

Results for the smallArray

insert 29.417 μ s

append 64.708 μ s

Results for the mediumArray

insert 192.625 μ s

append 128.583 μ s

Results for the largeArray

insert 8.921792 ms 8921.792

append 657.166 μ s

4.

The insert function appears to be more efficient with smaller arrays than the append function. It appears, however, that the append function scales better because, as the arrays become larger, the time difference between completion of the 2 functions significantly increases and the append function becomes more efficient.