

	tinyArray	smallArray	mediumArray	largeArray	xtraLargeArray
insert (unshift)	57.9 μ s	129.2 μ s	293.7 μ s	12.7225 ms	1.1100082 s
append (push)	170.2 μ s	226.5 μ s	295.3 μ s	926.6 μ s	5.9835 ms

4.)

The doublerAppend function scales better because the rate at which it increases runtime is not as high. Even though append runtime was a larger number at the tinyArray, it switches to being smaller at mediumArray and continues to be smaller after that.

5.) doublerInsert is slower because it uses the .unshift property in Javascript which requires each index in the array to be moved over every time a new index is added at the beginning. Using .push is faster, because the only index modified is the one being added to the back of the array.