

	extra-large	large	medium	small	tiny
insert	713.364166 ms	6.150166 ms	131.583 μ s	24.375 μ s	15.458 μ s
append	1.580125 ms	0.457375 ms	81.834 μ s	56.125 μ s	43.75 μ s
<p>Insert (unshift) option is optimal up to smallArray. However anything larger than that, the performance significantly drops.</p> <p>As you scale up, unshift is not a good option to use. With extraLargeArray, it takes 700 times longer than append (push).</p> <p>However, if you must add the value at the front of the array, this may have to be done.</p>					
<p>Extra credit: unshift is $O(n)$ and push is $O(1)$</p> <p>The reason for this is when you unshift, it will add the value to the front of the array and relocate memory and copy the data over.</p> <p>With push, since it adds to the end of the array, it rarely needs to relocate memory and copy over all the data.</p>					