

Time in Seconds of each sorting algorithm on each array size of randomly generated numbers.

Data is in seconds.

	1000	5000	10000	50000	75000	100000	500000
Bubble Sort	.003012	.081285	.341873	9.253130	21.972302	37.202683	983.391546
Insertion Sort	.001786	.044775	.182448	4.577963	10.512782	18.615314	469.651586
Selection Sort	.000553	.012592	.048454	1.054774	2.871664	4.246991	158.762973
Mergesort	.000443	.002370	.005221	0.025056	0.039051	0.051744	0.269179
Quicksort (First)	.000053	.000327	.000749	0.004125	0.006440	0.008280	0.047762
Quicksort (Middle)	.000056	.000310	.000655	0.004131	0.005593	0.008776	0.038049

Numbers in each array are generated based on the size of the array. Arrays of size 25, for example, can have any numbers, including duplicates, from 0 - 24.