Comparison of Bubble Sort and Merge Sort

Merge Sorting

Merge sorting is a sorting method that is based on comparison. It divides the list into small units (1 element), and then it compares each element with the next list to sort into order, and then merges the two adjacent lists. Then all elements are merged.

Bubble Sorting

Bubble sorting starts from the beginning of the list, compare all integers next to it, and swap their position if they are not in order, This repeats until there are no more elements left to be compared.

The Better Option

Merge sorting would be the superior and more efficient sorting option, due to how it splits the items before sorting, so it skips data that is already in order. Bubble sorting has to compare every single piece of data, so for a large job to be completed, Merge sorting is the far superior option and the only truly viable one.