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|  | Merge sort | Quick sort |
| Divide | Easy because division happens equally in half. We find the position of q which is midway in the array | Complex we have to find where to divide from .We choose an element called pivot |
| Conquer | The divided arrays are sorted her | By sorting the sub array at this step the element to the right of the pivot should be greater than the pivot while the element to the left should be less or equal to the pivot |
| Merge | We merge the two sorted sub array back into a single array. Here we have to compare the two sub arrays again | The real work happens in the divide step that the merge step almost does nothing. The conquer step recursively occur and the array is already sorted |
| Graphical Representation |  |  |