## Selection Sort Worksheet

What is selection sort?

How does selection sort work?

Is there a formula that can be used to calculate the number of passes, swaps and comparisons in selection sort? If so, note it down.

Number of passes:

Number of swaps:

Number of comparisons:

In your opinion how efficient is selection sort? Justify your reasoning.

Come up with some situations where selection sort may be implemented

Compare and contrast selection sort with bubble sort

Selection Sort

Bubble Sort

Use selection sort to sort the following array: int [] num = {3, 6, 1, 2, 7, 5, 4};

1. In ascending order

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Number of passes:

Number of comparisons:

Number of swaps:

1. In descending order

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Number of passes:

Number of comparisons:

Number of swaps: