Sorting

Sorting a list of items into ascending or descending order can help either a human or a computer find items on that list quickly, perhaps using an algorithm like binary search. Most Programming languages have built-in sorting methods. It works on arrays of numbers, or even on arrays of strings:

```
animals = ["gnu", "zebra", "antelope", "aardvark", "yak", "iguana"];
animals.sort();
```

Even though languages have built-in sorting method, sorting is a great example of how there may be many ways to think about the same problem, some perhaps better than others. Understanding sorting is a traditional first step towards mastery of algorithms and computer science.

You'll implement a particular sorting algorithm in a moment. But as a warmup, here is a sorting problem to play with. You can swap any pair of cards by clicking on one card, and then the other. Swap cards until the cards are sorted with with smallest card on the left.

| 5 ♥ | 13 ♥ | 47 ♥ | 7 ♥ | 23 ♥ | 2 ♥ | 41 ♥ | 29 ♥ | 53 ♥ | 17 ♥ | 11 ♥ |