Part 2

```
Set min_position to one
Set minimum to item one of list
Set count to zero
Repeat until (min_position > position length of list)
        Set count to item min_position of list
        Set min_position to min_position+1
                If count < minimum
                Set minimum to count
Display minimum
```

Part 5

1. A prioritized to-do list.
2. The nested loop is necessary because you're repeating a condition. So the program checks whether to run the repeat loop, then checks the condition for the if loop.
3. Eight times.
4. Eight times.
5. The initial ordering of list items doesn't matter because regardless of what position the min is at, the algorithm will still check all positions.