



## Sharpen your pencil

Go ahead and implement the pseudocode on the previous page to find the highest score by filling in the blanks in the code below. Once you're done, add the code to *bubbles.py* and give your code a test. Check the results in the shell, and fill in the blanks in our shell below with the number of bubble tests and the highest score. As always, check your answer at the end of the chapter before you go on.

```
scores = [60, 50, 60, 58, 54, 54,
          58, 50, 52, 54, 48, 69,
          34, 55, 51, 52, 44, 51,
          69, 64, 66, 55, 52, 61,
          46, 31, 57, 52, 44, 18,
          41, 53, 55, 61, 51, 44]
```

```
high_score = 0
```

← Fill in the blanks to complete the code here.

```
length = len(scores)
for i in range(length):
    print('Bubble solution #' + str(i), 'score:', scores[i])
    if scores[i] > high_score:
        high_score = scores[i]

print('Bubbles tests:', length)
print('Highest bubble score:', high_score)
```

...and then fill in the blanks showing the output you get in the console.



Python 3.6.0 Shell

```
Bubble solution #0 score: 60
Bubble solution #1 score: 50
Bubble solution #2 score: 60
...
Bubble solution #34 score: 51
Bubble solution #35 score: 44
Bubbles tests: 36
Highest bubble score: 69
```