



Congratulations! You passed!

Next Item



1. How does solving a programming problem usually start?

1 / 1 points

- ☐ By asking for programming help from others
- ☐ By learning a programming language
- ☒ By formulating a clear problem statement

Correct

That's correct! Well done!

- ☐ By writing a program



2. A crucial component of problem-solving is to understand the precise task you want to accomplish. Which two strategies best support this practice?

1 / 1 points

- ☒ Write down the exact steps you take to solve an instance of the problem.

Correct

- ☐ Work the largest example you can manage by hand.

Un-selected is correct

- ☒ Work a smaller example by hand.

Correct

- ☐ Write the pseudocode as a comment in your script.

Un-selected is correct

- ☐ Write code for your best guess for how the problem can be solved.

Un-selected is correct



3. You have a problem statement and begin step one of the seven step process. You attempt to work an example by hand and find it difficult. What are the two most likely reasons?

1 / 1 points

- ☐ You need to find patterns.

Un-selected is correct

- ☒ The problem statement is unclear.

Correct

- ☐ The algorithm does not work for every instance.

Un-selected is correct

- ☐ There is a bug in your code.

Un-selected is correct

- ☒ You need domain knowledge.

Correct



4. Which step comes immediately after Find Patterns in the seven-step process?

1 / 1 points

- ☐ Work Example By Hand
- ☐ Run Test Cases
- ☐ Translate To Code
- ☒ Check By Hand

Correct

