

## PRACTICE TEST 1: DIAGNOSTIC ANSWER KEY

Let's take a look at how you did on Practice Test 1. Follow the three-step process in the diagnostic answer key below and read the explanations for any questions you got wrong, or you struggled with but got correct. Once you finish working through the answer key and the explanations, go to the next chapter to make your study plan.

### STEP 1

**Check your answers and mark any correct answers with a ✓ in the appropriate column.**

| Section I: Multiple Choice |      |   |   |     |      |   |                                   |
|----------------------------|------|---|---|-----|------|---|-----------------------------------|
| Q #                        | Ans. | ✓ | Chapter #,<br>Title                                 | Q # | Ans. | ✓ | Chapter #,<br>Title               |
| 1                          | E    |   | 3, Objects & Primitive Data                         | 21  | B    |   | 8, Primitives & Objects           |
| 2                          | D    |   | 3, Objects & Primitive Data<br>4, The Math Class    | 22  | E    |   | 8, Primitives & Objects           |
| 3                          | D    |   | 4, The String Class                                 | 23  | B    |   | 8, Primitives & Objects           |
| 4                          | A    |   | 4, The String Class<br>3, Objects & Primitive Data  | 24  | D    |   | 8, Searches                       |
| 5                          | C    |   | 4, The String Class                                 | 25  | A    |   | 8, Primitives & Objects           |
| 6                          | E    |   | 4, The String Class<br>3, Objects & Primitive Data  | 26  | C    |   | 8, Primitives & Objects           |
| 7                          | B    |   | 5, The If Statement                                 | 27  | E    |   | 9, Lists & ArrayLists             |
| 8                          | A    |   | 5, The If Statement<br>4, The String Class          | 28  | A    |   | 9, Lists & ArrayLists             |
| 9                          | E    |   | 5, The If Statement                                 | 29  | B    |   | 6, Lists & ArrayLists             |
| 10                         | C    |   | 5, The If Statement                                 | 30  | D    |   | 9, Lists & ArrayLists             |
| 11                         | C    |   | 6, The While Statement                              | 31  | D    |   | 10, 2D Arrays                     |
| 12                         | D    |   | 6, The For Statement                                | 32  | B    |   | 10, 2D Arrays                     |
| 13                         | A    |   | 6, The For Statement<br>5, The If Statement         | 33  | B    |   | 11, Lists & ArrayLists            |
| 14                         | C    |   | 3, Objects & Primitive Data<br>6, The For Statement | 34  | D    |   | 11, Lists & ArrayLists            |
| 15                         | B    |   | 6, The For Statement                                | 35  | C    |   | 11, Lists & ArrayLists            |
| 16                         | B    |   | 6, The While Statement<br>4, The String Class       | 36  | D    |   | 11, Lists & ArrayLists            |
| 17                         | D    |   | 6, The For Statement                                | 37  | E    |   | 11, Lists & ArrayLists            |
| 18                         | C    |   | 7, Composition                                      | 38  | E    |   | 12, Recursion                     |
| 19                         | B    |   | 7, Composition                                      | 39  | D    |   | 12, Recursion                     |
| 20                         | D    |   | 7, Design & Structure                               | 40  | A    |   | 12, Recursively Traversing Arrays |