

# Jeroo Basics

## Section 5.1

1. In which directions can a jeroo move?
2. In what increment can a jeroo turn?
3. What plant life grows on Santong island?
4. What did Brian do to interrupt the life of the jeroos on the island?
5. How can a jeroo disable a net?
6. How many jeroos does the jeroo simulator allow a programmer to create?
7. How many rows and how many columns are in the simulator grid?
8. Are the coordinates of a cell given in the order (row, column) or (column, row)?
9. What ordered pair represents the specific cells listed below?

cell A

cell B

cell C

cell D

cell E

cell F

[illegible]

## Section 5.2

10. What is a program?
11. Both Java and Jeroo use a two-step approach to translating \_\_\_\_\_ into machine language. First a \_\_\_\_\_ translates the source code into an intermediate language. Second, an \_\_\_\_\_ translates the intermediate language into executable instructions. In the case of Java, this intermediate language is called \_\_\_\_\_, and the interpreter is called the \_\_\_\_\_.
12. An \_\_\_\_\_ is a plan for solving a problem.
13. Is Java case-sensitive?
14. \_\_\_\_\_ is a set of rules for writing or speaking a language.
15. \_\_\_\_\_ refers to the meaning of words.
16. What is the only kind of object that the Jeroo programming language supports?
17. List three attributes of a Jeroo object.
18. A \_\_\_\_\_ is an action that an object can take or a task that it can perform in response to a request from an external source.
19. A \_\_\_\_\_ is a collection of statements that are written in some programming language to describe a specific behavior.
20. A \_\_\_\_\_ for a method is something that is assumed to be true before the method is called or invoked.
21. A \_\_\_\_\_ for a method is something that is assumed to be true after the method is called or invoked.
22. A \_\_\_\_\_ is a collection of statements that are written in some programming language to describe both the attributes and behaviors of an object.
23. The process of creating a specific object is called \_\_\_\_\_.
24. What are the two types of classes that most object-oriented languages support?
25. What is the maximum number of Jeroo's that can be instantiated using the Jeroo class?