Answer the following questions:

1. Explain the meaning of the statements shown here, both in AP CSP pseudocode and App Inventor. For example, suppose the variable *X* has the value 10 before the statement is executed. What value would it have after the statement is executed.

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| X ← X + 1 |  |

**Answer**

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| **The value of X would be 11. This is because the pseudocode and the app inventor code is saying to add 1 to x and if x is already 10 then it is adding 10 + 1 which is 11.** |

2. One aspect of abstraction is that it helps to reduce details to focus on what's relevant. How does the use of a variable, such as *dotsize*, instead of a value, such as '5', help to reduce detail and focus on what is essential in this program.

**Answer**

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| **The variable dot size allows for the programmer to track the number that is inside the variable and call to it in other parts of the program.** |