

Using the formula `Math.Floor(Rnd() * (Hi - Lo + 1)) + Lo` write assignment statements that would store the specified pseudorandom values into a variable named `num`. Simplify where possible.

1. an integer between 1 and 6
2. an integer between 1 and 10
3. an integer between 6 and 15
4. an integer between -5 and 4
5. an integer between 0 and 6
6. an integer between -10 and -2
7. an integer between 50 and 150
8. an integer between 10 and 89
9. either the integer 1 or 2

Use a modified version of the formula above to complete the following two exercises.

10. a **decimal number** between 0 and 1 (but not including 1)
11. a **decimal number** between 1 and 100 (but not including 100)
12. Write an `If` statement that displays the "You won" in a message box half the time and "You lost" the other half the time.