

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

`num = Math.Floor(Rnd() * _____ 6 _____ ) + _____ 1 _____`

2. an integer between 1 and 10

`num = Math.Floor(Rnd() * _____ ) + _____`

3. an integer between 6 and 15

`num = Math.Floor(Rnd() * _____ ) + _____`

4. an integer between -5 and 4

`num = Math.Floor(Rnd() * _____ ) + _____`

5. an integer between 0 and 6

`num = Math.Floor(Rnd() * _____ ) + _____`

6. an integer between -10 and -2

`num = Math.Floor(Rnd() * _____ ) + _____`

7. an integer between 50 and 150

`num = Math.Floor(Rnd() * _____ ) + _____`

8. either the integer 1 or 2

`num = Math.Floor(Rnd() * _____ ) + _____`

9. Write a code segment that simulates the rolling of a 6-sided die and that uses an `If` statement to display "you won" in a message box half the time and "you lost" the other half the time.

`Dim num As Integer = Math.Floor(Rnd() *`

`If ( _____ ) Then`

`Else`

`End If`