

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`. Please **rewrite the original formula** and then **two additional** algebraic statements in each answer as shown in the example. Simplify where possible in the last statement.

Example: an integer between 1 and 6.

```
num = Math.Floor(Rnd() * (Hi - Lo + 1)) + Lo  
num = Math.Floor(Rnd() * (6 - 1 + 1)) + 1  
num = Math.Floor(Rnd() * 6) + 1
```

1. an integer between 1 and 4

2. an integer between 1 and 10

3. an integer between 6 and 15

4. an integer between 10 and 20

5. an integer between 1 and 3

6. an integer between 1 and 2