

2. Write a function that will count the number of times a letter appears in a string. For example, if the string was "tinny", and we were going to find the number of times the letter "n" appears in the string, our function will return 2. If we tried to find the number of times "d" appeared in the string, our function would return 0.

Try writing this iteratively and recursively. Finish one way? Try it the other way!

<pre>def find_num_of_letters (str, letter):</pre>	<pre>def find_num_of_letters (str, letter):</pre>
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Bugs? What Bugs?

We decide to write a function called `floor_divide` which will report the number of times a smaller number can fit into a bigger number. We know our algorithm is right but we notice there are a lot of Python syntax bugs in our code. Identify and fix them!

```
def floor_divide(big_num, small_num):
    if small_num = 0:
        return You cannot divide by zero!
    current_num = small_num
    num_times = 0
    while current_num <= big_num
        current_num = current_num + small_num
        num_times = num_times + 1
    return num_times
```

Extra for Experts: Falling Factorial

Write a function `falling`, which is a "falling" factorial that takes two arguments, `n` and `k`, and returns the product of `k` consecutive numbers, starting from `n` and working downwards. For example, `falling(10, 3)` will return 720 ($10 * 9 * 8$).

```
def falling(n, k):
```