Area Calc

Instructions

You are painting a wall. The instructions on the paint can says that **1 can of paint can cover 5 square meters** of wall. Given a random height and width of wall, calculate how many cans of paint you'll need to buy.

number of cans = (wall height ✖ wall width) ÷ coverage per can.

e.g. Height = 2, Width = 4, Coverage = 5

number of cans = (2 ✖ 4) ÷ 5

```
= 1.6
```

But because you can't buy 0.6 of a can of paint, the **result should be rounded up** to **2** cans.

IMPORTANT: Notice the name of the function and parameters must match those on line 13 for the code to work.

Example Input

```
test_h = 3

test_w = 9
```

Example Output

```
You'll need 6 cans of paint.
```

Hint

1. To round up a number:

https://stackoverflow.com/questions/2356501/how-do-you-round-up-a-number-in-python

1. Make sure you name your function/parameters the same as when it's called on the last line of code.

Test Your Code

Before checking the solution, try copy-pasting your code into this repl:

https://repl.it/@appbrewery/day-8-1-test-your-code

This repl includes my testing code that will check if your code meets this assignment's objectives.

Solution

https://repl.it/@appbrewery/day-8-1-solution

In [2]:
```
import math
def paint_calc(height, width , cover):
    area = height* width
    num_of_cans = math.ceil(area / cover)
    print(f"You will need {num_of_cans} cans of paint.")



test_h = int(input("Height of wall: "))
test_w = int(input("Width of wall: "))
coverage = 5
paint_calc(height=test_h, width=test_w, cover=coverage)
```

```
Height of wall: 23
Width of wall: 34
You will need 157 cans of paint.
```

In [ ]:
```

```