

Check Your Understanding - Part 1



Name: _____

Problem #1 🌶️	
What would you call the function?	
What are the variables needed?	
What are the parameters?	
What are the local variables?	
Does it need a return?	
Write a function call:	

```
# Ending message
if count == 4:
    display.clear()
    display.draw_text("You WON", scale=4,
else:
    display.clear()
    display.draw_text("You LOST", scale=4,
```

Problem #2 🌶️	
What would you call the function?	
What are the variables needed?	
What are the parameters?	
What are the local variables?	
Does it need a return?	
Write a function call:	

```
if buttons.was_pressed(BTN_B):
    # Reset the board for each game
    reset()
    # Select first random number
    num1 = random.randrange(6) + 1
    if num == 1:
        one_roll()
    elif num == 2:
        two_roll()
    elif num == 3:
        three_roll()
    elif num == 4:
        four_roll()
    elif num == 5:
        five_roll()
    else:
        six_roll()
    sleep(delay)
```

Problem #3 🌶️	
What would you call the function?	
What are the variables needed?	
What are the parameters?	
What are the local variables?	
Does it need a return?	
Write a function call:	

```
pixels.set(3, BLACK)
if buttons.was_pressed(BTN_A):
    audio.mp3("sounds/welcome")
if buttons.was_pressed(BTN_B):
    display.show(pics.HAPPY)
sleep(delay)
display.fill(BLACK)
display.show("Press a Button!")
sleep(delay)
```

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Problem #4 🌶️🌶️	
What would you call the function?	
What are the variables needed?	
What are the parameters?	
What are the local variables?	
Does it need a return?	
Write a function call:	

```

red = random.randrange(0, 255)
green = random.randrange(0, 255)
blue = random.randrange(0, 255)
color = (red, green, blue)

pixels.set(1, color)

how_many = 4
# turn off pixel LEDs
for lite in range(how_many):
    pixels.set(lite, BLACK)
        
```

Problem #5 🌶️🌶️	
What would you call the function?	
What are the variables needed?	
What are the parameters?	
What are the local variables?	
Does it need a return?	
Write a function call:	

```

while True:
    red = random.randrange(0, 255)
    green = random.randrange(0, 255)
    blue = random.randrange(0, 255)
    color = (red, green, blue)

    pixels.set(0, color)

    red = random.randrange(0, 255)
    green = random.randrange(0, 255)
    blue = random.randrange(0, 255)
    color = (red, green, blue)
        
```

Problem #6 🌶️🌶️	
What would you call the function?	
What are the variables needed?	
What are the parameters?	
What are the local variables?	
Does it need a return?	
Write a function call:	

```

if buttons.was_pressed(BTN_L):
    choice = 4
if buttons.was_pressed(BTN_R):
    choice = 5

my_image = my_list[choice]

if type(my_image) == tuple:
    display.fill(my_image)
else:
    display.show(my_image)
        
```