

## Nicco's Pizza

---

### Textbook

---

## Nicco's Pizza Restaurant

Recommended time to do this project: At the beginning of the Python 2 unit. (This is a good project to review knowledge learned in Python 1. Do this as a review to see if you are ready to jump into learning Python 2.)

You are the new owner of Nicco's Pizza in Rome, Italy. You are so excited to own your very own restaurant! This weekend, many food celebrities are coming to eat at your restaurant, so you want to impress them. Since you advertise that you serve the very best pizza, it needs to have the very best ordering system.



Your restaurant serves small, medium, and large pizzas.



## Requirements:

Create an input where the user enters how many people are in a group.

Assume the following:

**A large pizza will feed 7 people**

**A medium pizza will feed 3 people**

**A small pizza will feed 1 person.**

Calculate how many small, medium, and large pizzas are needed to order exactly enough pizza **without any leftover**. Larger pizzas are less expensive, so the bigger the pizza the better.

Print the following with correct values in the place of the letter x depending on the input:

```
You will need x large pizzas, x medium pizzas, and x small pizzas.
```

*Note: For this project, it's okay that the print statement would say "pizzas" even if it's singular.*

Input: `10`

Output: `You will need 1 large pizzas, 1 medium pizzas, and 0 small pizzas.`

Input: `2`

Output: `You will need 0 large pizzas, 0 medium pizzas, and 2 small pizzas.`

## Checkpoint

---

### Nicco's Pizza

Create an input where the user enters how many people are in a group.

Assume the following:

**A large pizza will feed 7 people**

**A medium pizza will feed 3 people**

**A small pizza will feed 1 person.**

Calculate how many small, medium, and large pizzas are needed to order exactly enough pizza **without any leftover**. Larger pizzas are less expensive, so the bigger the pizza the better.

Print the following with correct values in the place of the letter x depending on the input:

```
You will need x large pizzas, x medium pizzas, and x small pizzas.
```

*Note: For this project, it's okay that the print statement would say "pizzas" even if it's singular.*

Input: 10

Output: You will need 1 large pizzas, 1 medium pizzas, and 0 small pizzas.

Input: 2

Output: You will need 0 large pizzas, 0 medium pizzas, and 2 small pizzas.

Hint: You will need to use the modulus to find out if there are leftovers for the large pizza first.

---

## Answer Keys & Solutions

---

### Checkpoint Solutions

---

#### Nicco's Pizza

```
1 num_of_guests = int(input("Number of Guests"))
2
3 num_lg_pizza = int(num_of_guests / 7)
4 leftover_guests = num_of_guests % 7
5
6 num_med_pizza = int(leftover_guests / 3)
7 more_leftover_guests = leftover_guests % 3
8
9 num_sm_pizza = int(more_leftover_guests / 3)
10
11
12
13 print("You will need " + str(num_lg_pizza) + " large pizzas, " + str(num_med_pizza) +
    " medium pizzas, and " + str(num_sm_pizza) + " small pizzas." )
```