

Getting ready for 4th grade!

Restaurant Design Project

Items needed for the project: pencil, scissors, colored pencils, blank paper, and construction paper (*optional*).

You are opening your own restaurant! Now you need to prepare and design your own restaurant. Think about a name, what type of food and drink you will serve, and what it will look like. Have fun, show your work, and be creative!

Planning:

- On a blank piece of paper draw a “birds-eye-view” (from the view of the ceiling) of what your restaurant will look like. You should have:
 - At least 4 circular tables
 - At least 5 square tables
 - At least 5 rectangular tables
 - Add colors and details to make it creative!
- Plan your menu. You should have:
 - At least 5 different food items
 - At least 2 different drink items
 - Each item should have a price

Running Your Restaurant:

1. (*Solve each of these math problems on a piece of paper*) At your restaurant there are 45 guests. If 28 of them leave, how many guests are left in the restaurant?
2. On Tuesday there are 5 tables full of people. Each table has 6 people at it. How many total people are in the restaurant?
3. A celebrity enters your restaurant and orders 1 of everything off the menu. How much money will they need to be able to afford everything on the menu?
4. One of the tables at the restaurant is 6 feet long and 5 feet wide. What is the perimeter of the table?
5. For a big group of people you need to push together two tables. One table is 128 centimeters and the 2nd table is 267 centimeters. How many centimeters long are the tables in total?
6. In one night 305 people come to the restaurant. If 128 order dessert, and the rest do not, how many people did not order dessert?
7. On a Thursday night a family comes in to your restaurant and orders \$147 dollars of food. They give you \$200. How much money will they get back in change?
8. Your restaurant opens at 4:00pm. After 8 hours of work, what time will it be?
9. One night you serve pizza. Each pizza comes with 8 slices. A family of 8 people comes in and orders 4 pizzas. How many slices will each person get if they all eat the same amount?
10. One night at the restaurant there are 18 tables full. Each table gets a basket of bread. If each basket has 4 bread rolls in it, how many bread rolls will that be in all?
11. *Optional - take food orders of everyone in your family from the menu you created. Then:*
 - a. *Find the total for each person.*
 - b. *Put the orders in a list from greatest to least amount*

Criteria for Success

Art:

___ A detailed drawing of your restaurant from a birds-eye view, color, labels and creative details

___ A menu with items that can be ordered with pictures, prices, and description of each item

Math:

_____ Number each math problem

_____ Show your work neatly and organized

_____ Circle your final answer so it can be easily seen.

City name: _____

Population size: _____ **City Engineer:**
