

# Building a School

## Family Directions:

*The attached project is a stand-alone learning opportunity to practice skills acquired in the classroom setting. The intent is to challenge student thinking; therefore, some components may be difficult for your child. Feel free to modify and adjust for your child's needs.*

## Extensions:

Even more: Write a story or make a book about your school.

Name: \_\_\_\_\_



## Build Your Own School Project



Congratulations! You've been chosen to be a principal of your very own elementary school. This is a big responsibility, but it looks like it's going to be fun! In order to be in charge of a school, you will need to do a few things:

### Directions:

#### Part 1 - School Specifics:

- Give your school a name! Remember to make it catchy and think of a mascot for your school. (For example, Rosa Parks Elementary School - Home of the Pumas.) You can select your school colors (such as purple and gold) and create a drawing of the mascot for your school!
  - My School Name is: \_\_\_\_\_
  - Our school mascot is: \_\_\_\_\_
  - Our school colors are: \_\_\_\_\_
  - Draw a picture of your school mascot:

Name: \_\_\_\_\_

Your school must have 6 grades with at least 120 total students enrolled in K-5:

- Kindergarten
- First Grade
- Second Grade
- Third Grade
- Fourth Grade
- Fifth Grade

How many teachers will you need? First, you need to determine how many classes you want for each grade and how many students you have for each grade. You should have one teacher for each classroom and there cannot be more than 20 students in each class.

Kindergarten - How many teachers? \_\_\_\_\_

How many students does each teacher have? \_\_\_\_\_

How many total students are in kindergarten? \_\_\_\_\_

How many classrooms do you need for kindergarten? \_\_\_\_\_

Show your work:

1<sup>st</sup> Grade - How many teachers? \_\_\_\_\_

How many students does each teacher have? \_\_\_\_\_

How many total students are in 1<sup>st</sup> Grade? \_\_\_\_\_

How many classrooms do you need for 1<sup>st</sup> Grade? \_\_\_\_\_

Show your work:

Name: \_\_\_\_\_

2<sup>nd</sup> Grade -      How many teachers? \_\_\_\_\_  
                            How many students does each teacher have? \_\_\_\_\_  
                            How many total students are in 2<sup>nd</sup> Grade? \_\_\_\_\_  
                            How many classrooms do you need for 2<sup>nd</sup> Grade? \_\_\_\_\_

Show your work:

3<sup>rd</sup> Grade -      How many teachers? \_\_\_\_\_  
                            How many students does each teacher have? \_\_\_\_\_  
                            How many total students are in 3<sup>rd</sup> Grade? \_\_\_\_\_  
                            How many classrooms do you need for 3<sup>rd</sup> Grade? \_\_\_\_\_

Show your work:

4<sup>th</sup> Grade -      How many teachers? \_\_\_\_\_  
                            How many students does each teacher have? \_\_\_\_\_  
                            How many total students are in 4<sup>th</sup> Grade? \_\_\_\_\_  
                            How many classrooms do you need for 4<sup>th</sup> Grade? \_\_\_\_\_

Show your work:

Name: \_\_\_\_\_

5<sup>th</sup> Grade - How many teachers? \_\_\_\_\_

How many students does each teacher have? \_\_\_\_\_

How many total students are in 5<sup>th</sup> Grade? \_\_\_\_\_

How many classrooms do you need for 5<sup>th</sup> Grade? \_\_\_\_\_

Show your work:

How many total classrooms in K-5 does your school have? K - \_\_\_\_\_

1<sup>st</sup> - \_\_\_\_\_

2<sup>nd</sup> - \_\_\_\_\_

3<sup>rd</sup> - \_\_\_\_\_

4<sup>th</sup> - \_\_\_\_\_

5<sup>th</sup> - \_\_\_\_\_

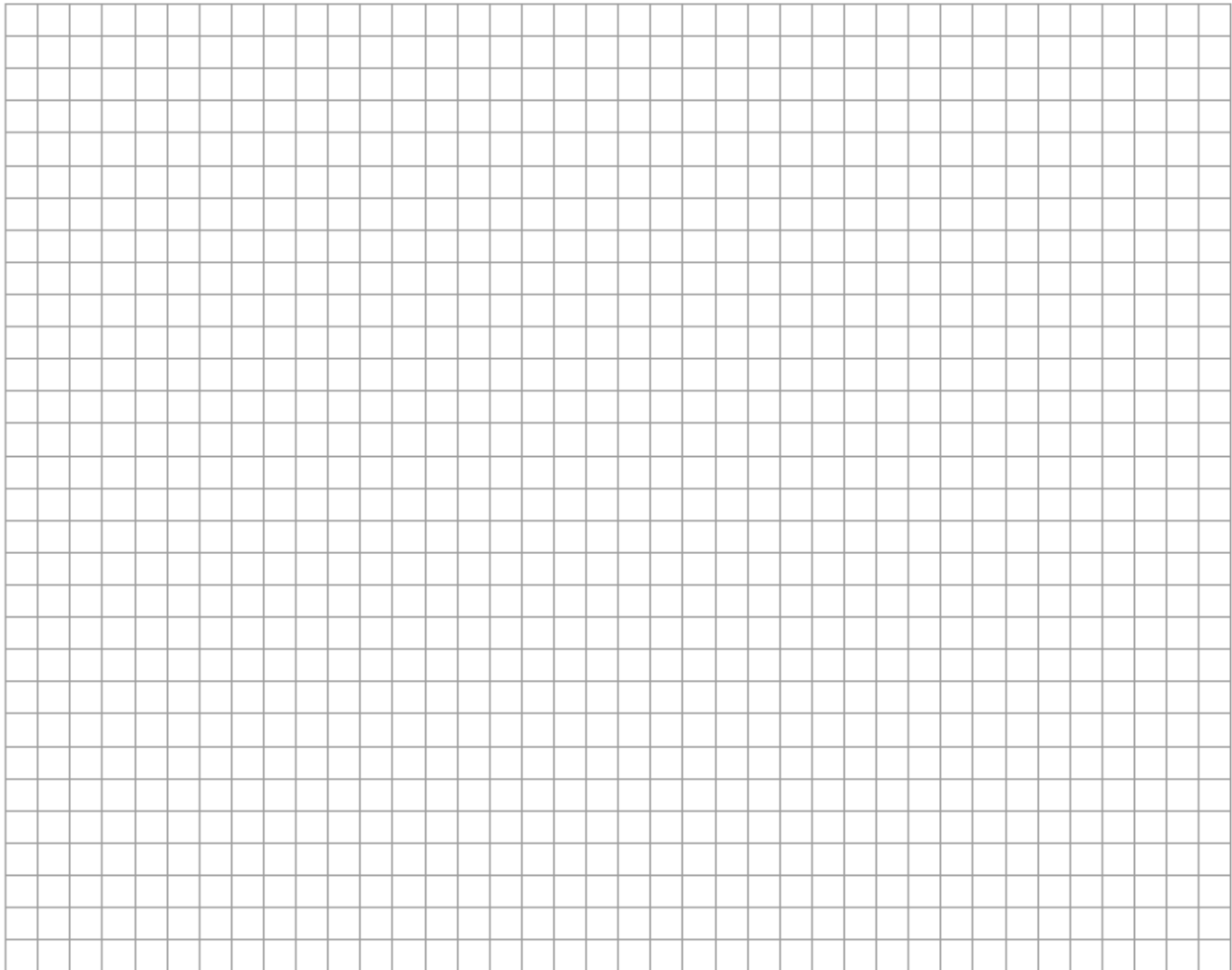
Total Classrooms - \_\_\_\_\_

Name: \_\_\_\_\_

## Part 2 - Rough Draft of School

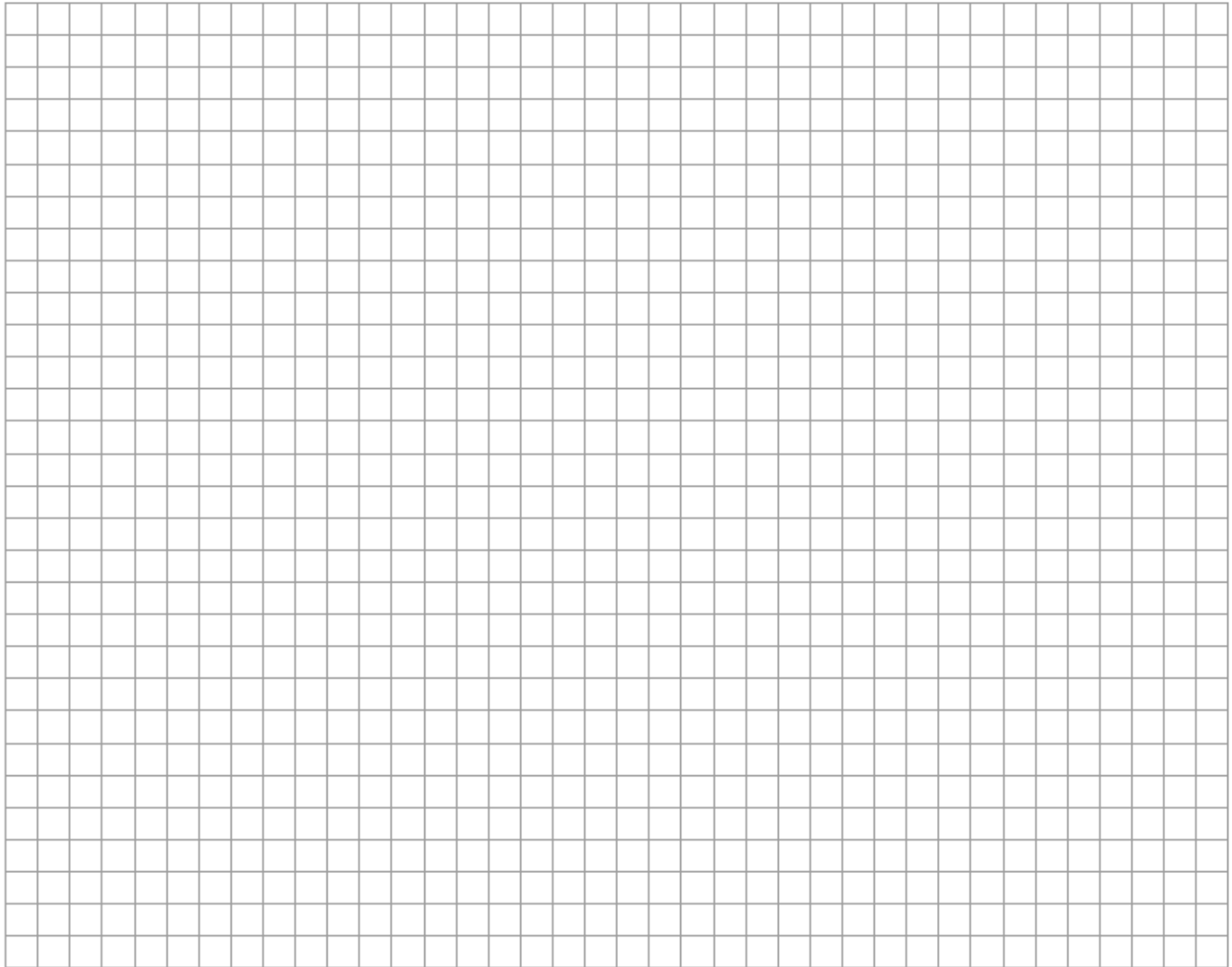
You are now going to design your own school. Before you get started drawing your floorplan for your school you must plan and prepare! Use the rectangles below to draw a **rough draft** of your school. Use the data from above that you calculated about how many teachers and students are in each room as you create your floorplan.

Floor One



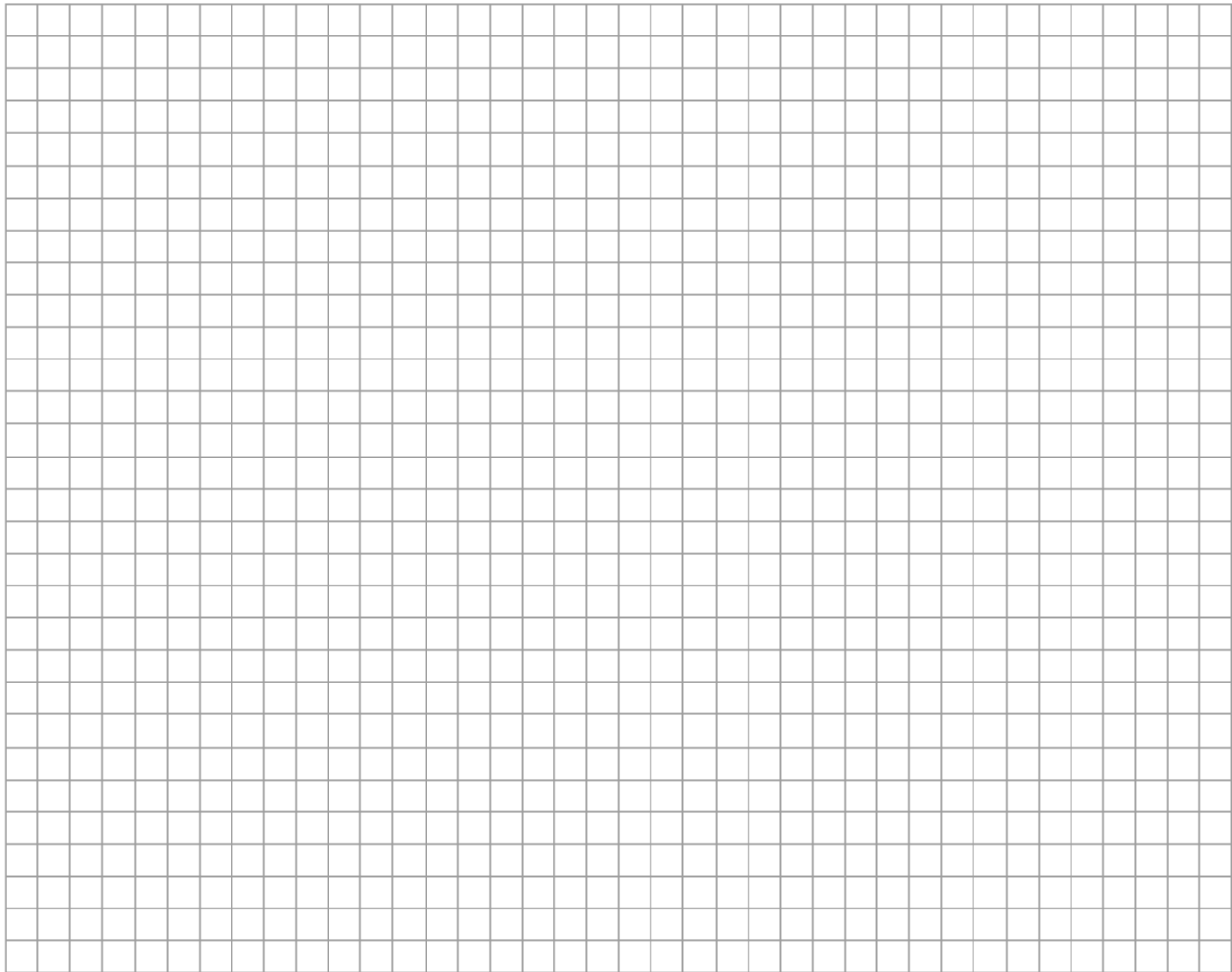
Name: \_\_\_\_\_

Floor Two



Name: \_\_\_\_\_

Floor Three





Name: \_\_\_\_\_

### Part 3 - Rough Draft of School Garden

Use the diagrams below to create a rough draft of your school garden. You need to "plant" rows of flowers or trees in your garden. Look at the chart below and decide which flowers and trees you will plant in your garden. How many of each flower and tree will you plant? You need at least 30 trees and 20 flowers. Group them according to tree and make a number sentence.

Douglas Fir	Apple Tree	Carnation	Tulip
Cherry Tree	Blue Spruce	Daisy	Poppy
Pine	Cedar	Violet	Rose
Juniper	Maple	Sunflower	Lavender

Create at least two options of how to arrange your flowers and trees in the flowerbeds below:

#### Option #1

Type of flower or tree:	How many of each?

Option 1 total # of flowers & trees: \_\_\_\_\_

Draw a diagram of garden option 1 using the flowers listed above:

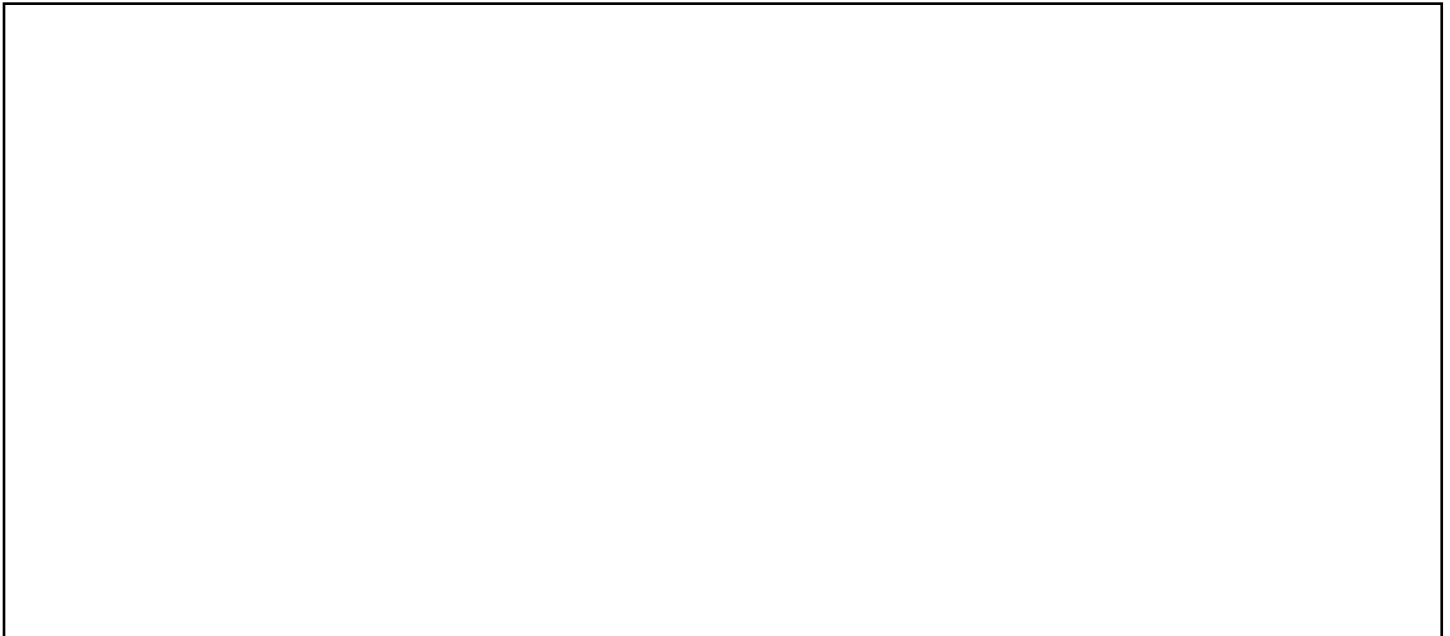
Name: \_\_\_\_\_

**Option #2**

Type of flower or tree:	How many of each?

**Option 2 total # of flowers & trees:** \_\_\_\_\_

Draw a diagram of garden option 1 using the flowers listed above:



Name: \_\_\_\_\_

**Part 4 - Rough Draft of Playground/Outdoor Space.**

Use the diagrams below to create a **rough draft** of your playground. What equipment will you have on your playground? \_\_\_\_\_

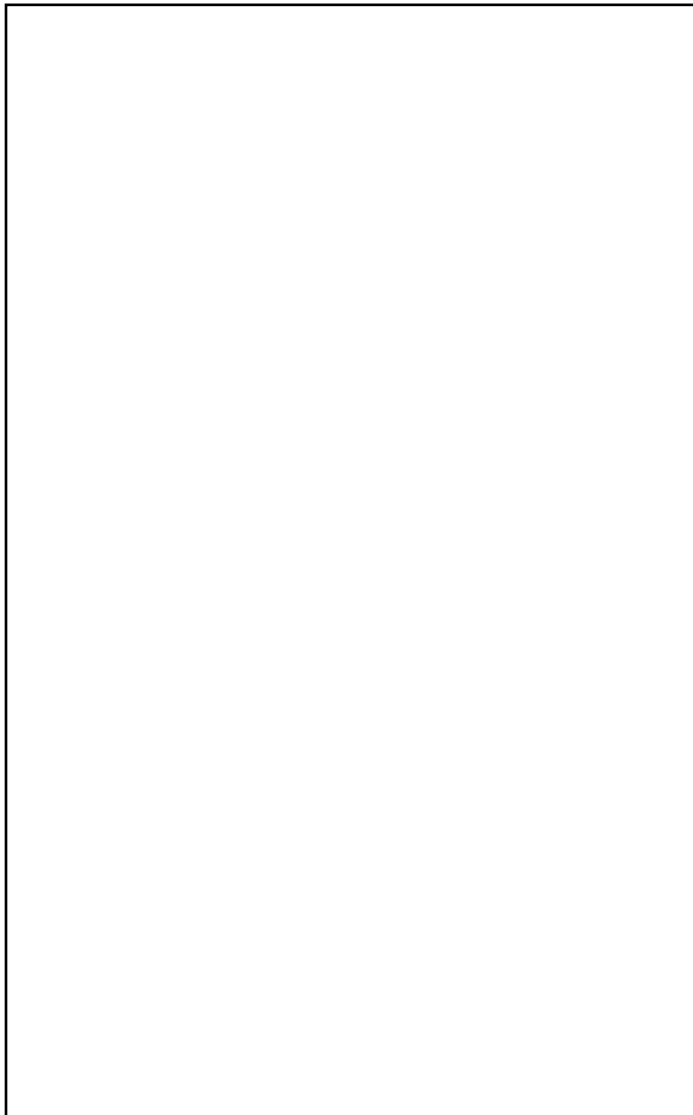
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How many of each playground equipment will you have on your playground? You need enough playgroup equipment for at least two grade levels (example: 2<sup>nd</sup> & 4<sup>th</sup> grade) to be on the playground at the same time. Work out the math to determine how many of each playground equipment you will need for all students to have somewhere to play at recess?

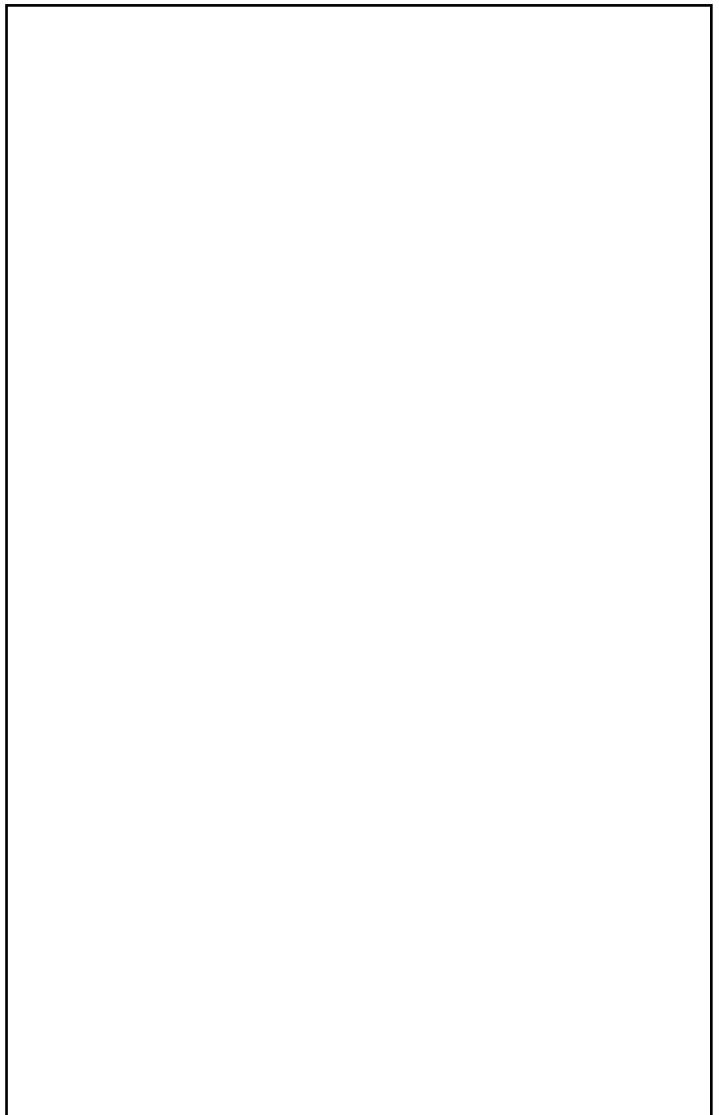
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Create at least two different options for your school playground:

Option A



Option B



Name: \_\_\_\_\_

### Part 5: Final Product - Build Your School!

Now you have finished your rough draft of your school, garden, and playground. Choose which one you will draw a final copy of for the floorplan, garden, and playground of your school. You can use a ruler or other instruments to help you draw the shapes of the floorplan. Make sure you read each of the instructions below before starting!

- On a plain piece of paper draw the floor plan of your school. Use a separate piece of paper for each floor of your school. If you want three floors for your school, then you would need three pieces of paper. Label them as first floor, second floor, or third floor.
- Don't forget to include on your floorplan the hallways, stairs, or elevator to get from one floor to the next.
- Don't forget rooms for "special" areas such as the library, art room, music room, computer lab and gymnasium.
- You will also need an office for the principal, a cafeteria, and any other rooms that you feel are necessary for the school. Make sure you label each room of your school.
- Plan for any outdoor spaces such as the playground.
- Use details and colors to make your floorplans look finished! Be creative!

**Use this checklist to make sure you have all the rooms on your floorplan:**

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Kindergarten rooms          | <input type="checkbox"/> Gymnasium                    | <input type="checkbox"/> Other room or space you included |
| <input type="checkbox"/> 1 <sup>st</sup> Grade Rooms | <input type="checkbox"/> Music Room                   | _____   |
| <input type="checkbox"/> 2 <sup>nd</sup> Grade Rooms | <input type="checkbox"/> Art Room                     | <input type="checkbox"/> Other room or space you included |
| <input type="checkbox"/> 3 <sup>rd</sup> Grade Rooms | <input type="checkbox"/> Library                      | _____   |
| <input type="checkbox"/> 4 <sup>th</sup> Grade Rooms | <input type="checkbox"/> Computer Lab                 | <input type="checkbox"/> Other room or space you included |
| <input type="checkbox"/> 5 <sup>th</sup> Grade Rooms | <input type="checkbox"/> Hallway, Stairs, or Elevator | _____   |
| <input type="checkbox"/> Principal's office          | <input type="checkbox"/> Playground                   |   |
| <input type="checkbox"/> Cafeteria                   | <input type="checkbox"/> Garden                       |   |

Name: \_\_\_\_\_