

Name Tag



Preparation

- 1 Let's explore**
Open up your **TinkerCad**
- 2 Log in**
Log in to your account
- 3 Ready?**
Create a **new design**
- 4 Get set,**
In the bottom right corner press **Edit grid**
- 5 Go!**
Make sure your units are on **Millimeter**

1

SETTING DIMENSIONS

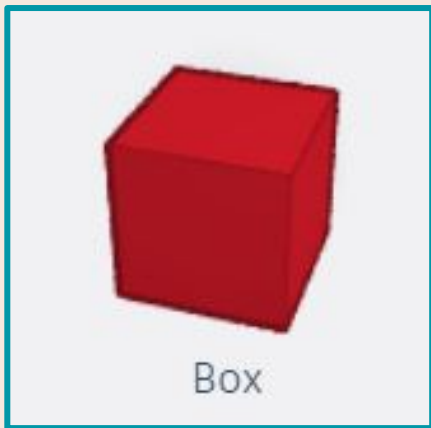


Step One: Setting Dimensions

Don't forget you can always change the color!

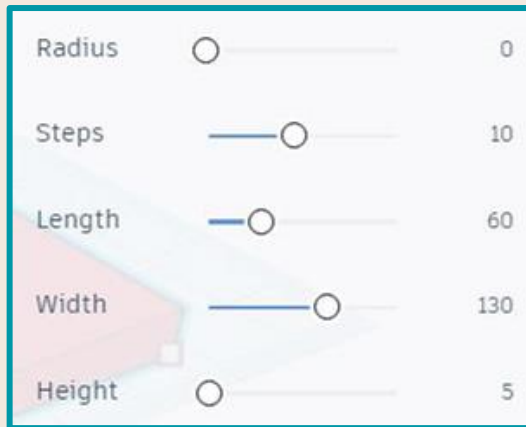
Drag

Drag a **red Box** from the "Basic Shape" menu on left hand side on to your workspace.



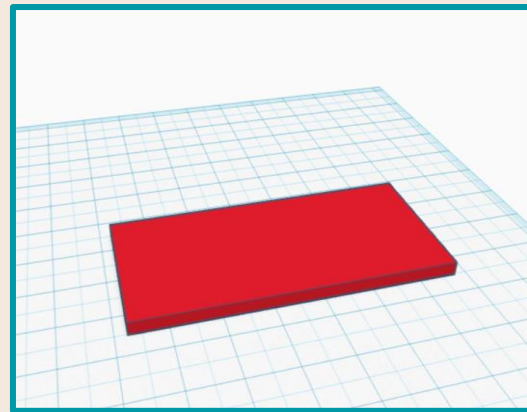
Sizing

Change the **sizes** to the following values:



Look

It should look like this!



2

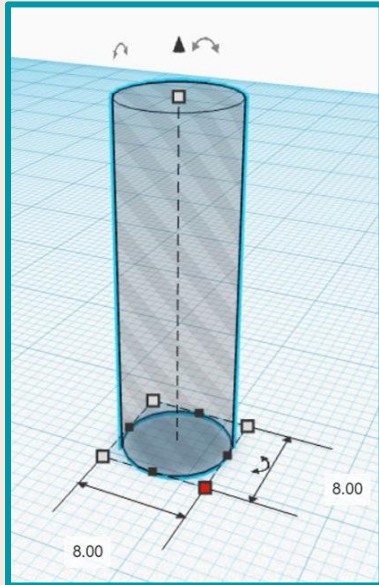
Using Cylinders



Step Two: Using Cylinder

To drag a figure, click on the whole shape not just the corners

Clear Cylinder



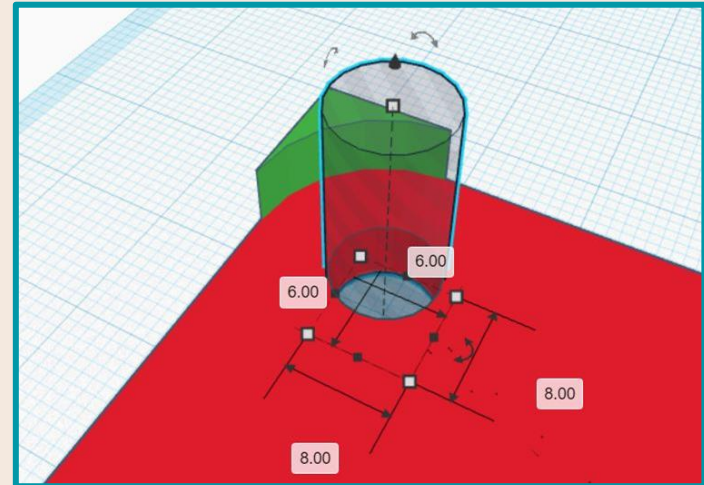
From the "Basic Shape" menu bar, drag over a **clear cylinder**.

Then again, drag and change the size of your cylinder to **8x8**, set the height to **24**.

Now, **duplicate** the cylinder by Ctrl C (copy) and Ctrl V (paste).

Placement

Place your two **clear cylinders** on the top right corner of your rectangle and drag the over by 6x6.



3

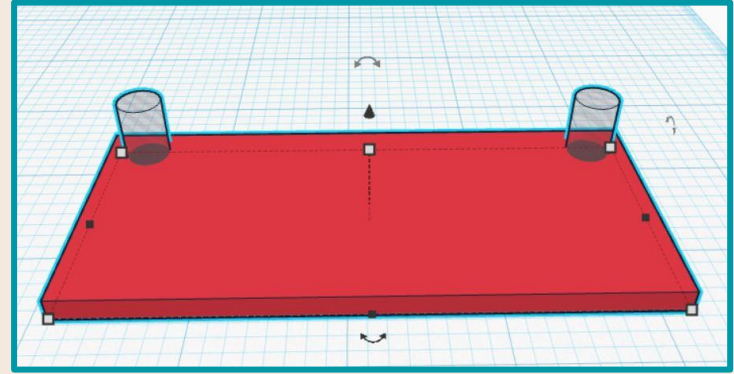
Making Holes



Step Three: Making Holes

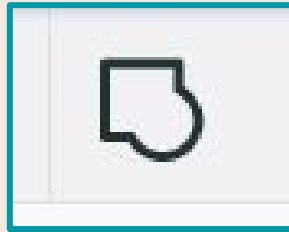
a. Select All

Select all three objects by **holding Shift** and **click** on each object.



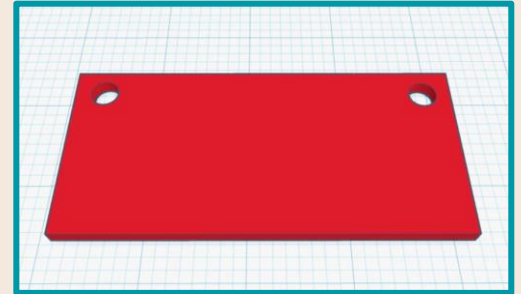
b. Group

Press the **"Group"** icon or (Ctrl-G) on the top right hand corner, shown on the right, to group the three shapes together.



c. Look

At the end, it should look like this **now!**



4

Cutting Corners

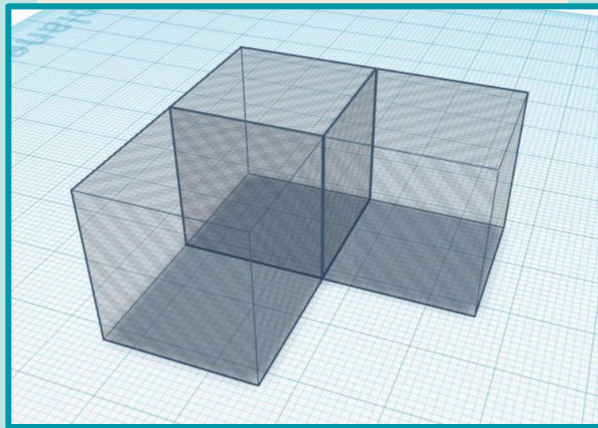


Step Four: Cutting Corners

Make sure the cylinder is in the center of your square

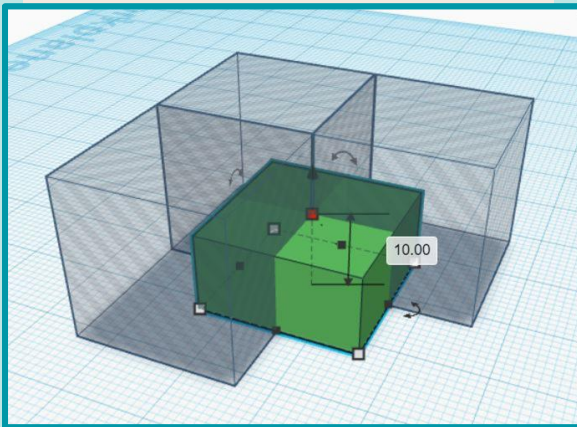
Template

In any space next to your name tag, drag over 3 **clear squares**, and place them in the formation below. Keep them at the default size.



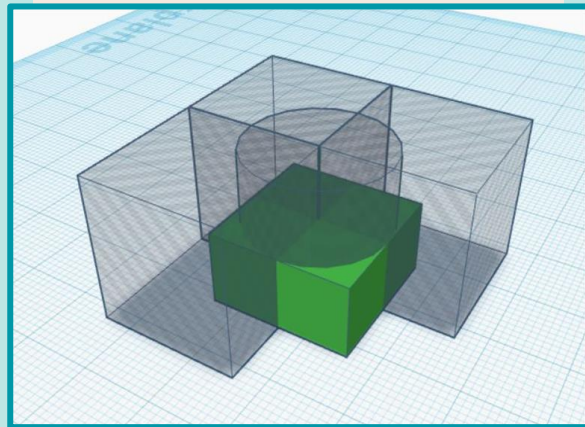
Square

Drag over another square and put it in the middle of the other 3 squares. Make sure the height of the green square is **10**.



Cylinder

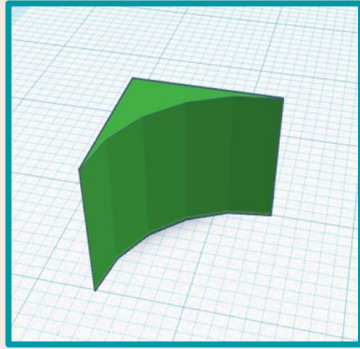
Finally, Drag over a **clear cylinder** and place it over the green square.



Step Four: Corners Continued

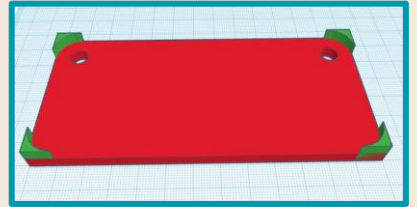
a. Group

Select **all the object** on the workspace and press the **Group** icon or (Ctrl G). Now it should look like this.



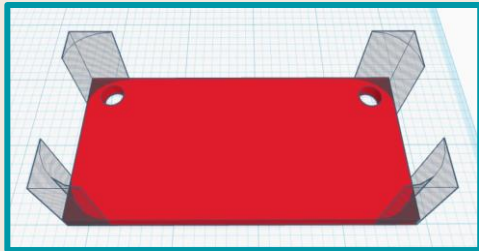
b. Copy and Paste

Copy and Paste your corner 4 times and put them in each of the corners. Change direction of the corner to 90°



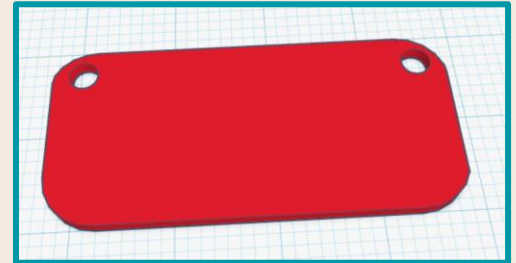
c. Hole

Select all the corners and press "**Hole**".



d. Group

Almost there, now press "**Group**" (Ctrl G).



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Adding Text

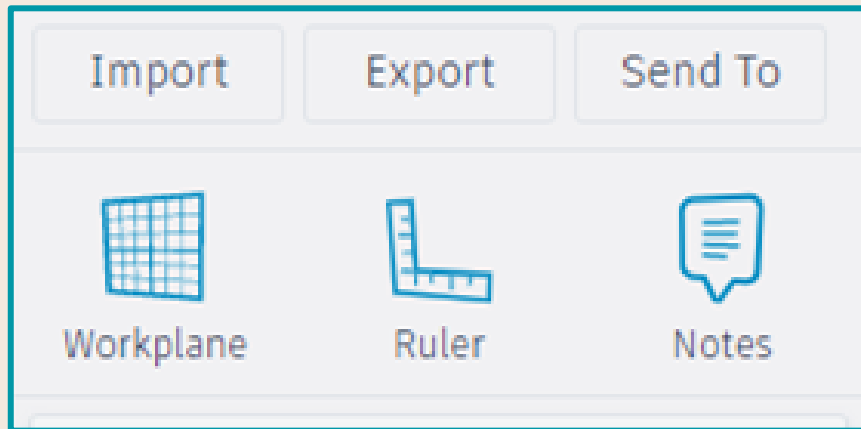


Step Five: Adding Text

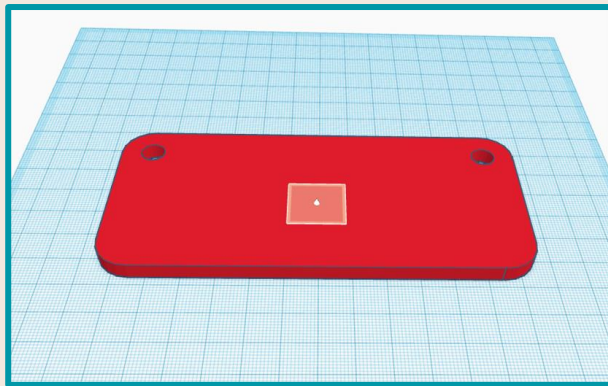
Creating a new work plane
as a new base.

Workplane

Click and drag over a **new workplane** for adding text.



The new workplane is now right on top of the name tag. This will be the **new base** of the text that will be added in the next step

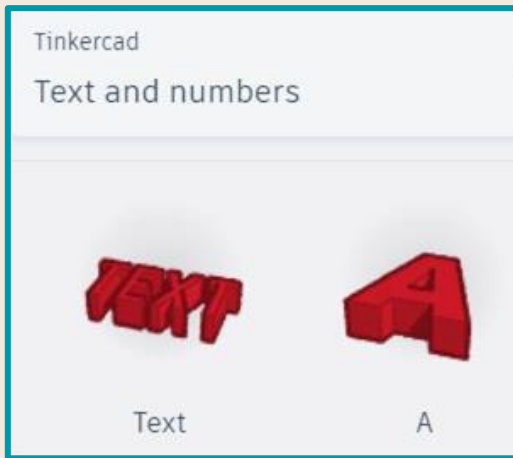


Step Five: Adding Text

Don't forget you can always change the color of the text!

Categories

Click on "**Basic Shapes**" and change the category to "**Text and numbers**".



Text

Now click and drag over the **Text**, place it into the middle of your name tag. Change it to your name. Make sure your **Height** is at **2**.



**You Are
Finished!**

