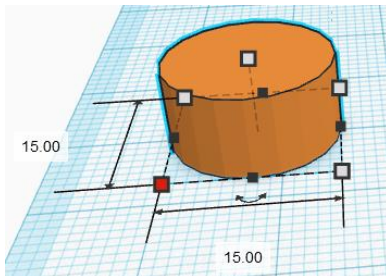


Tinkercad Group Arm Project, part 1

We're going to make small 3D printed arms that connect with screws in groups of three. Before we make the arms, we're going to make a part that we'll need for them.

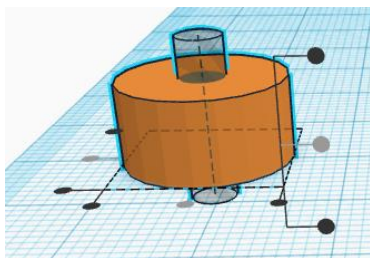
Make a new project in Tinkercad.

In it, created a cylinder that is 15 by 15 by 7.5 tall:

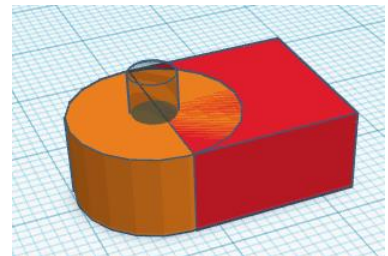


Next, make a cylinder that is a hole piece and make it 15 tall and 4 by 4 around.

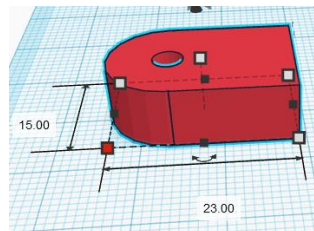
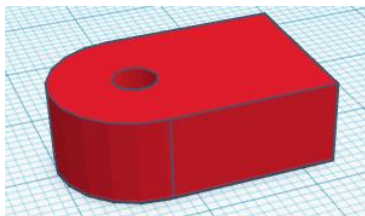
Put them on top of each other, then center them in all three dimensions:




Next, make a box that is 15 by 15 by 7.5. Bring it over so that it is lined up with the two cylinders like this:



Select all three parts and group them. The final object should be 15 by about 23 by 7.5 tall and sitting flat on the workplane.



Rename your project "XXXXX 3D arm" where the Xs are your first and last name.

Create a share link by clicking the person , then create and copy a share link and turn it in on the Google Classroom. We'll work on the rest of the project another class period.