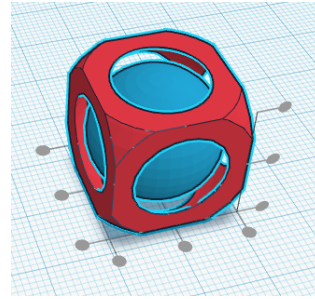


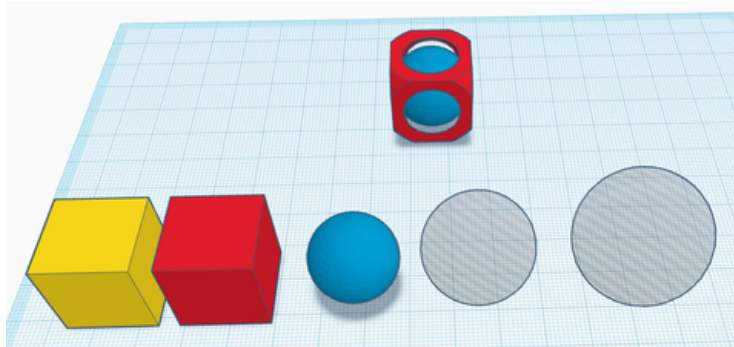
3D design with TinkerCAD

BALL IN A CAGE



Design a ball in a cage taking into account the following steps:

1.- Create the following objects:



x2 20 mm edge cubes

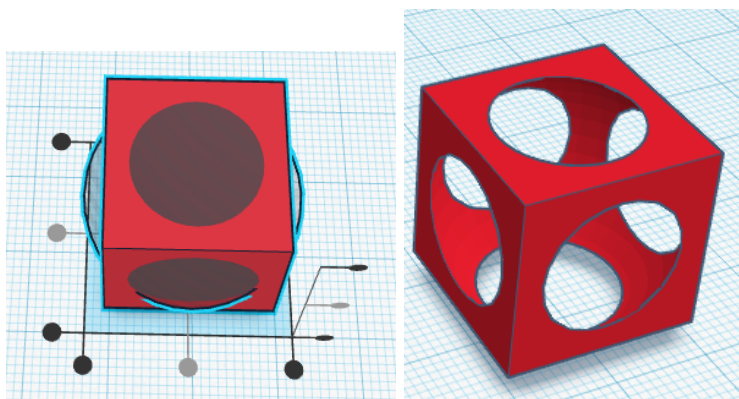
1 solid sphere of 20x20x20 mm

1 hole sphere 25x25x25 mm

1 hole sphere 30x30x30 mm

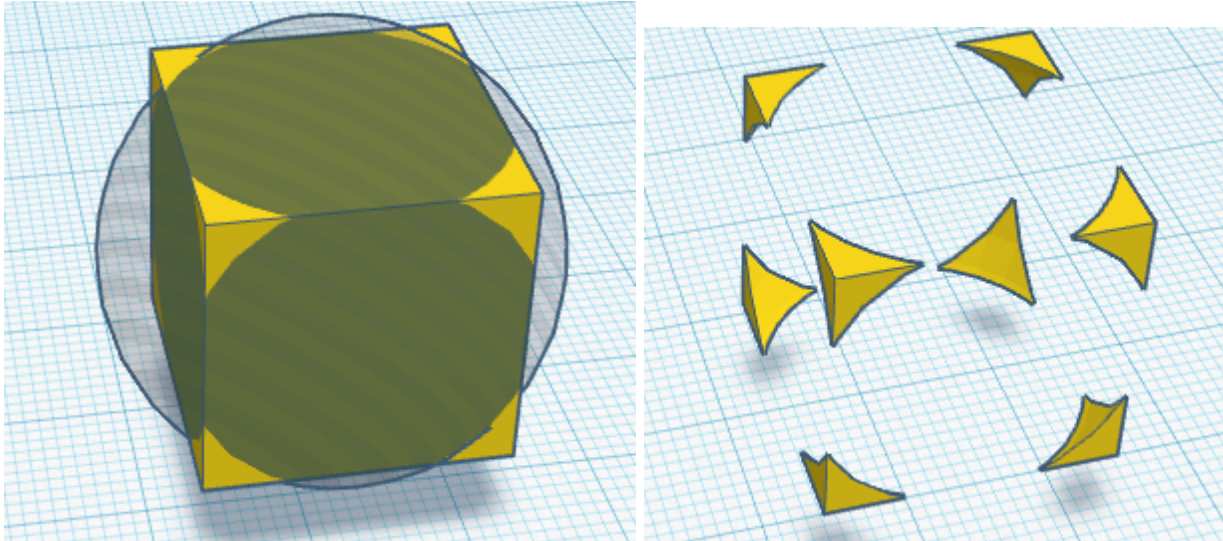
2.- Select the red cube and the 25 mm hole sphere and center them on their 3 axes. Then group them.

You will have a red cube with a hole inside.

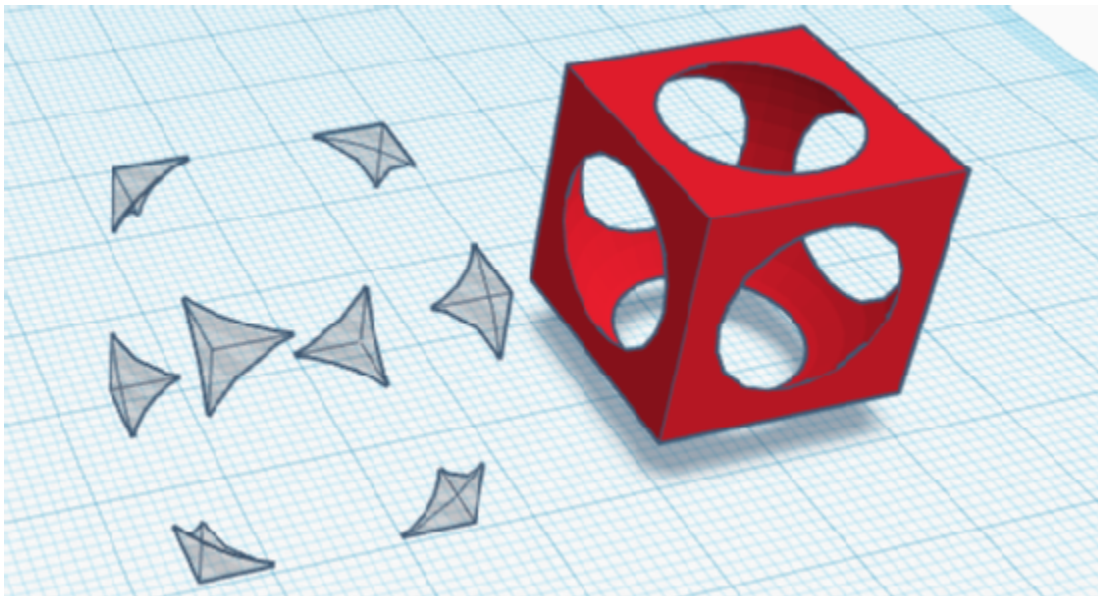


3.-Select the yellow cube and the 30 mm hole sphere and center them on their 3 axes.
Then group them.

You will see that the yellow cube disappears except for its 8 corners.



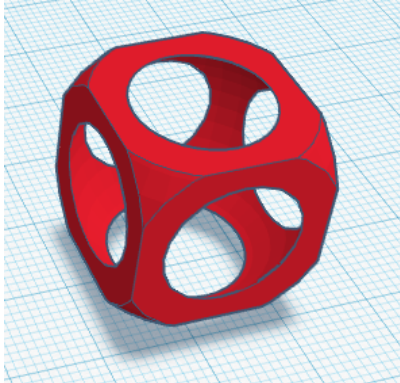
4.- Turn the 8 yellow corners into a hole.



5.- Group these 8 corners with the red cube.

Center both objects on their three axes and group them.

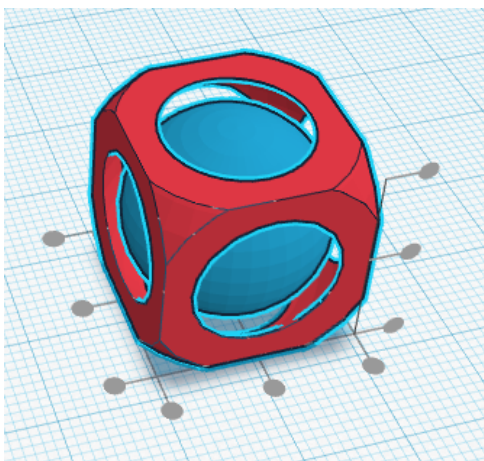
The red cube must be hollow and with its 8 rounded corners.



6.- Select the blue ball and the red cube.

Center them according to the three axes.

You will get the final piece, a caged ball.



7.- EXTRA: Try to engrave a text on the sphere and decorate it