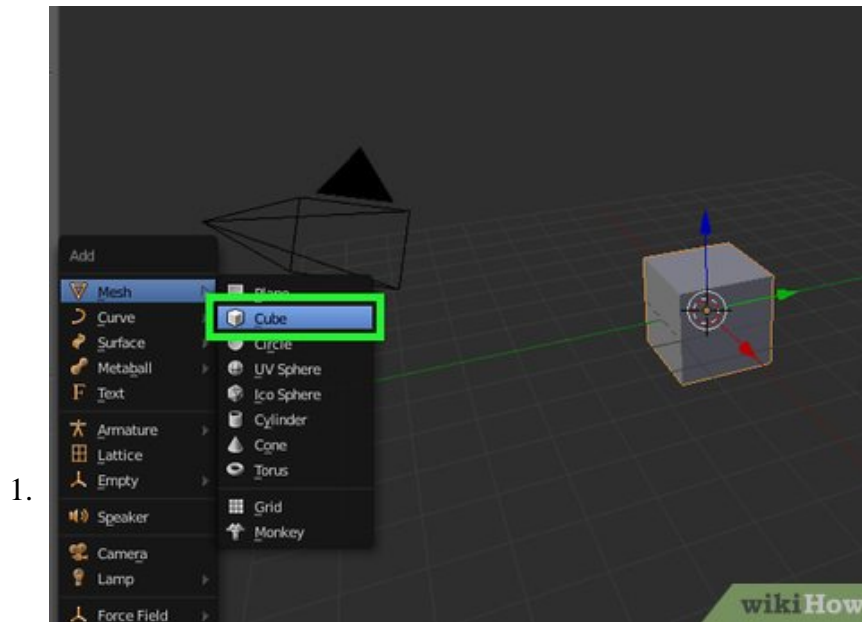


# How to Cut an Object Using Knife Project in Blender 2.77

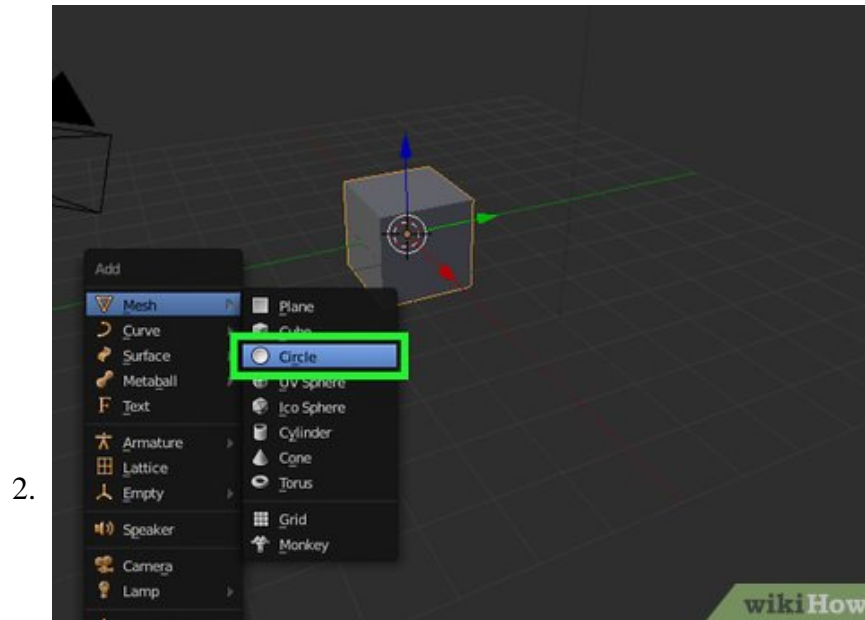
If you're using Blender 2.77, there are two options for cutting objects with the Knife Project Tool. You can cut an object with or without cutting through it. Either way, it isn't hard to do. Add a new cube by pressing » Mesh » Cube.

Part 1 of 2:

## Setting Up the Object



Add a new cube by pressing ? Shift + A » Mesh » Cube.

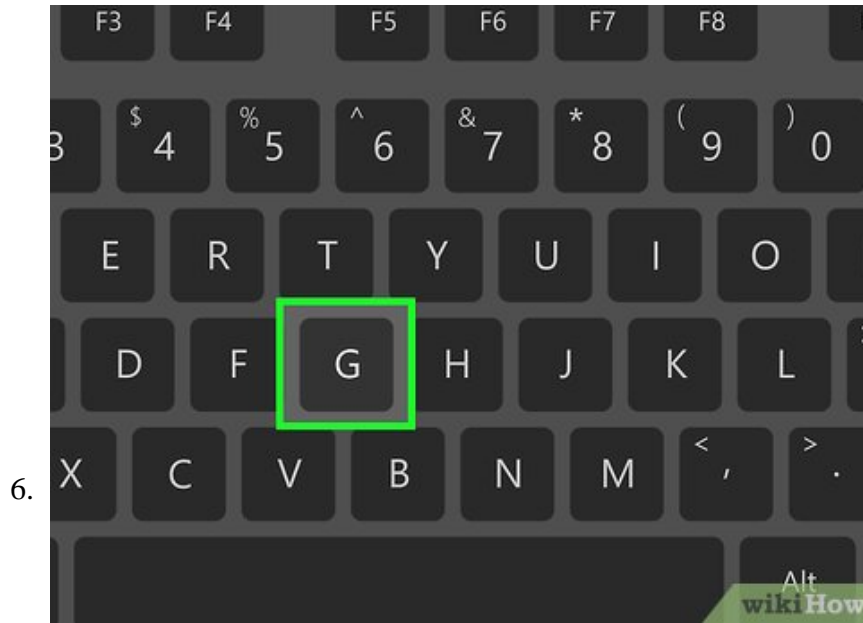


Continue to add a new circle by pressing **Shift + A** » Mesh » Circle.

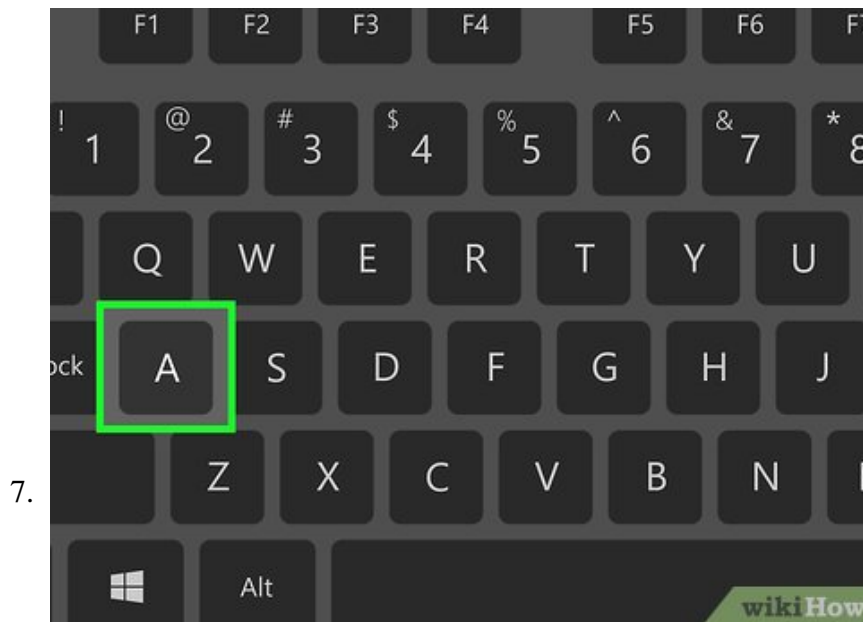


Press the **R** key, hit the **X** key and type 90 to rotate the circle 90 degrees around the x-axis.

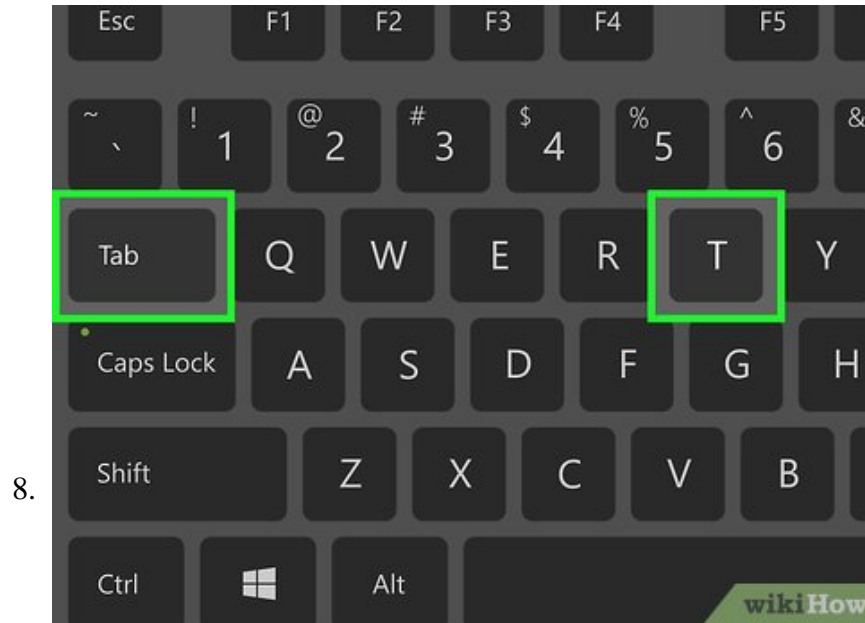




Press **G** to move the circle to the center of the cube. Then press **S** to scale the circle.



Press **A** to deselect all visible objects in scene. Hold down the **?** and right click on the circle first. Then right click on the cube.

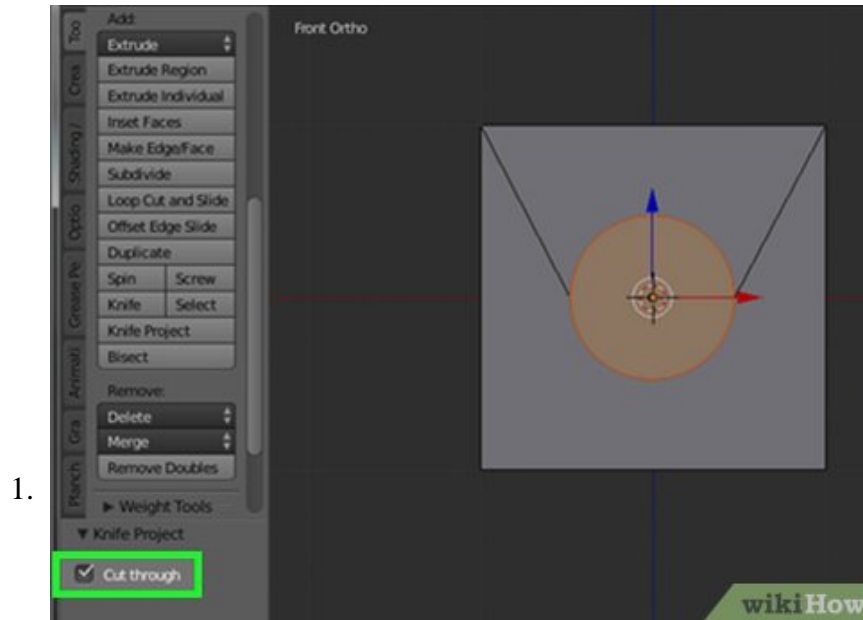


**Switch from Object Mode to Edit Mode by pressing Tab.** In the Tool Shelf panel, select Tool » Knife Project. Press T to open the Tool Shelf panel if you don't see it.

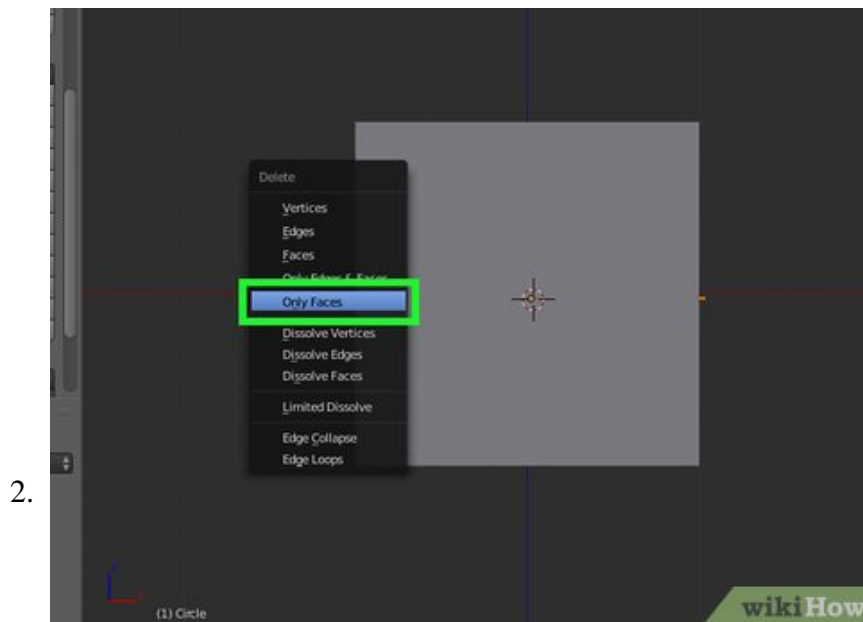
=== Making the Cut ===



**Method 1: Using Cut-Through**



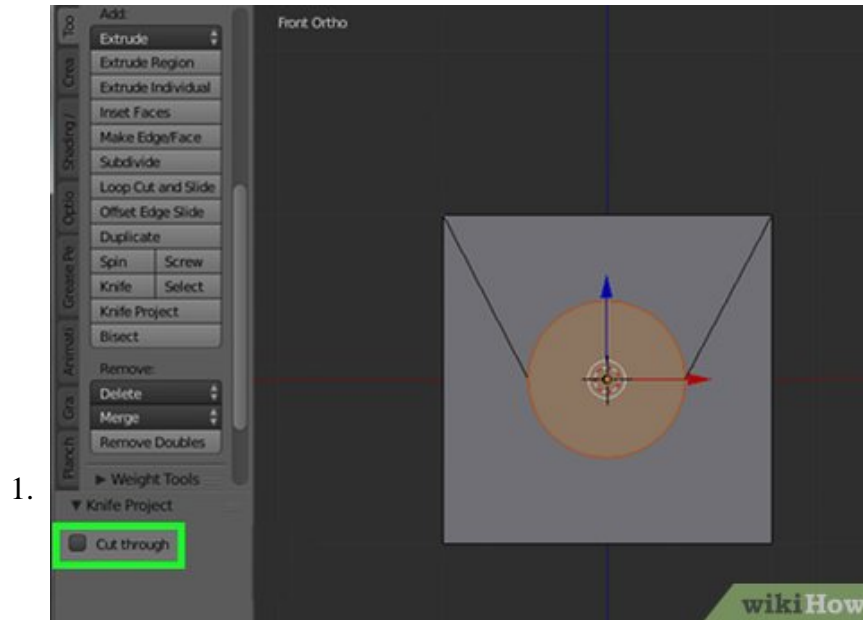
Select the **Cut through** option in Knife Project. This will cut both two sides of the cube.



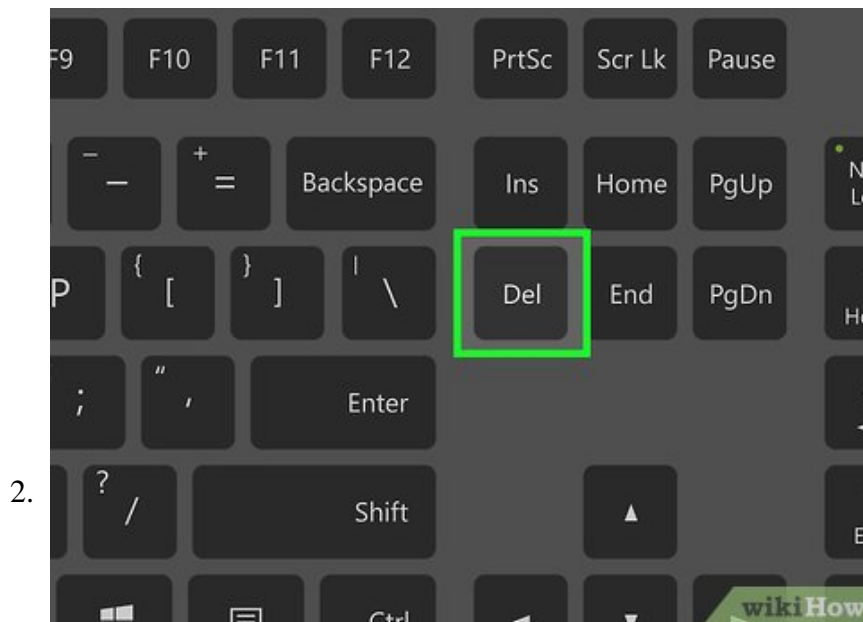
Press the **Delete** key » Faces to cut holes in the cube.

Part 2 of 2:

## Method 2: Using the Cut Through Tool



Deselect the **Cut through** option. You will cut only one side of the cube – the front of the cube.



Press the **Delete** key » Faces to cut a hole in the front of the cube.

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