

# Arrays

By Jenny von der Lieth

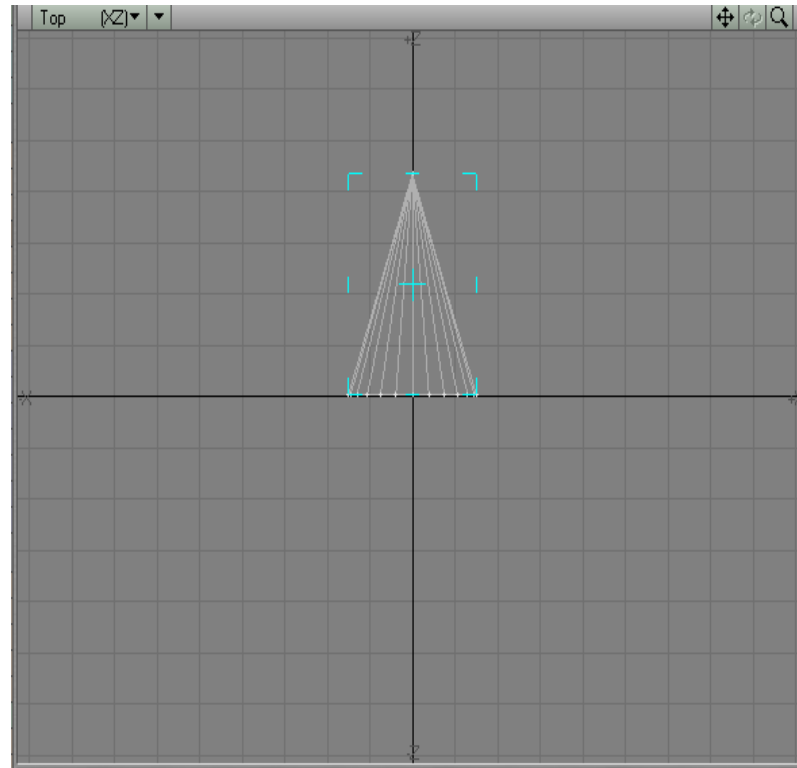


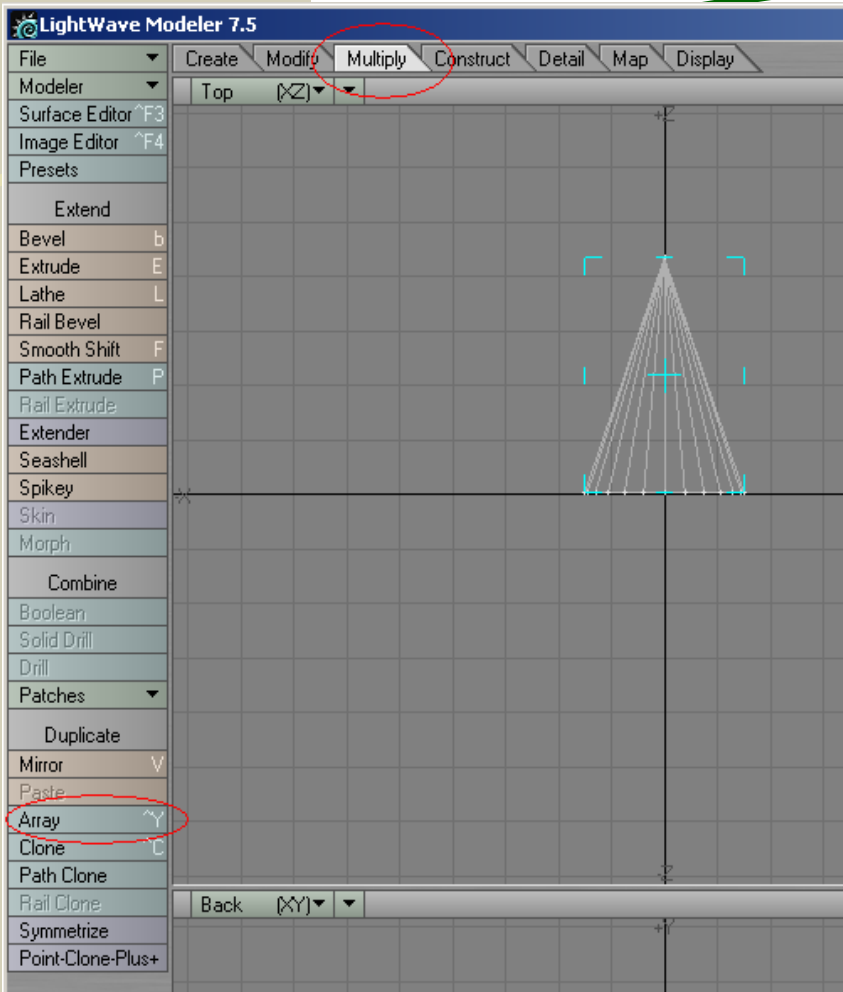
# Ways to use Arrays

- ✦ In a circle – Think Stonehenge
- ✦ In a square – Think Checkerboard
- ✦ In a square that is “jittered” – Think Alien Space Crafts (not shown in tutorial)

# Starfish

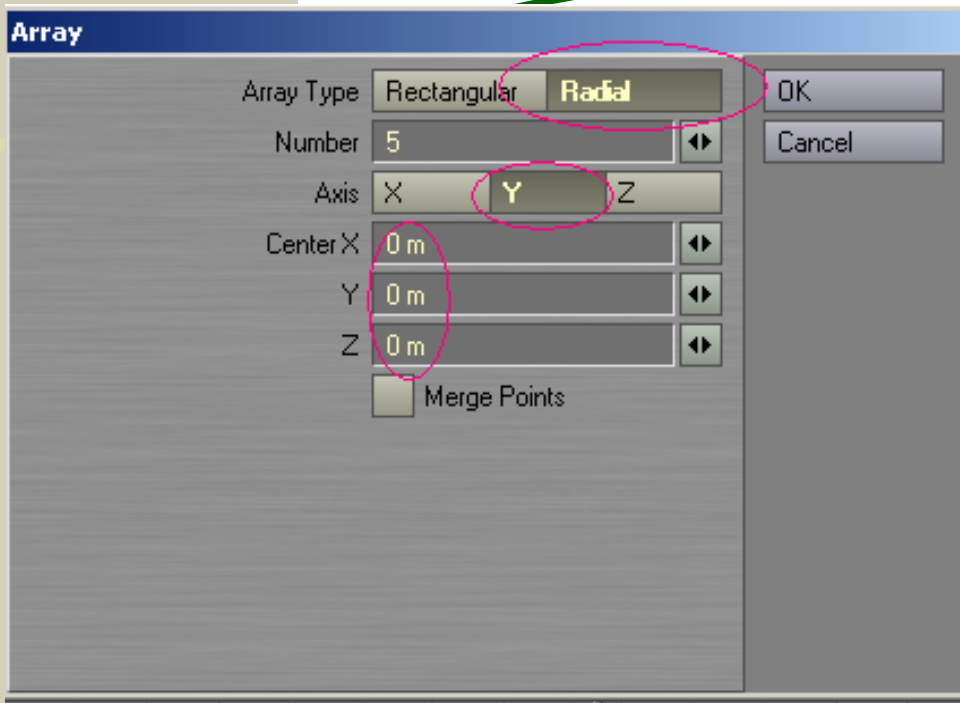
- ✎ Create a Cone
- ✎ Make sure its centered on the axis you want to rotate it around.
- ✎ For the starfish, we will center it around the y-axis.





- Click on the tab “Multiply”

- Click on Array



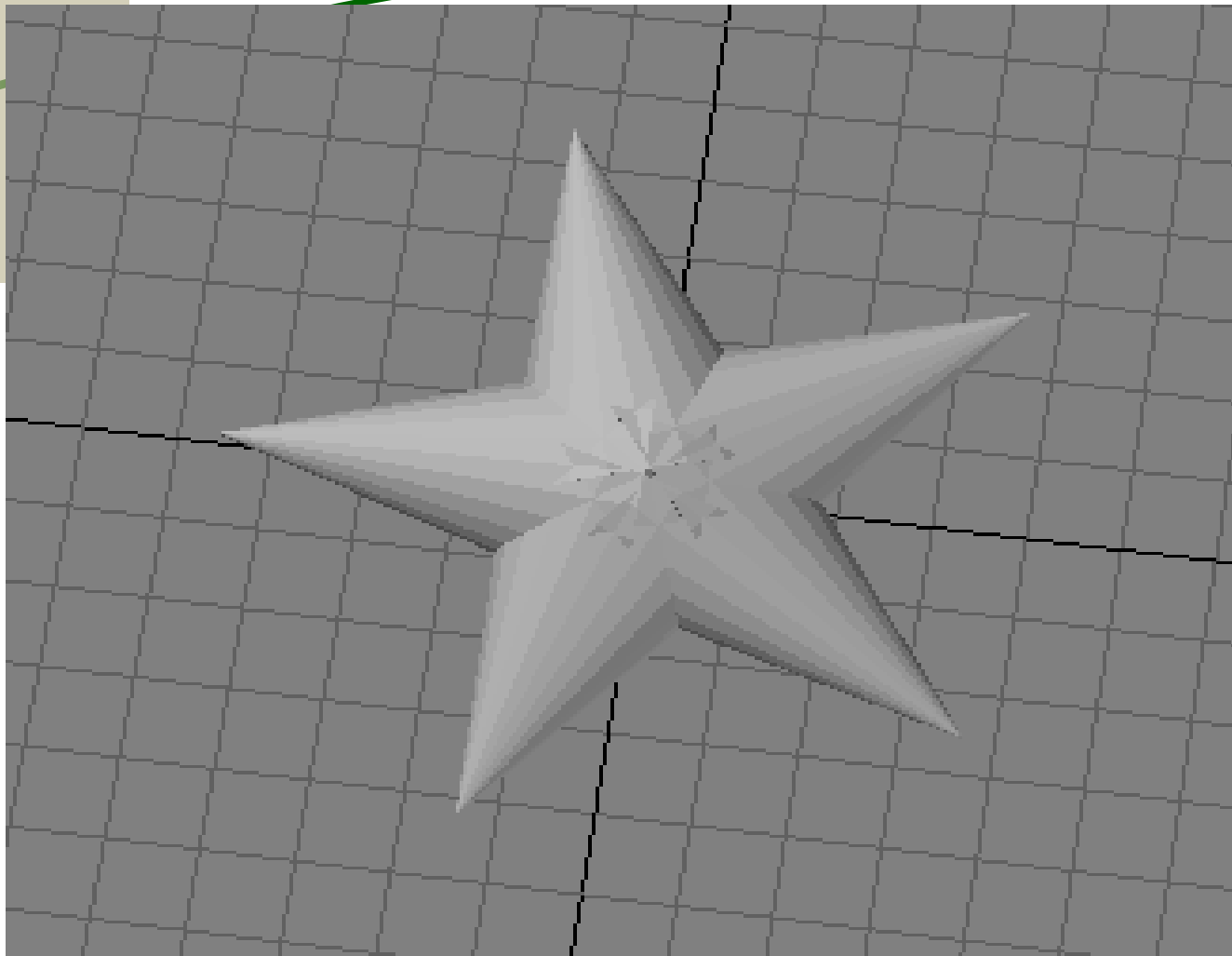
•A box similar to this will appear

•Click on Radial

•Click on Y (The axis we're rotating around)

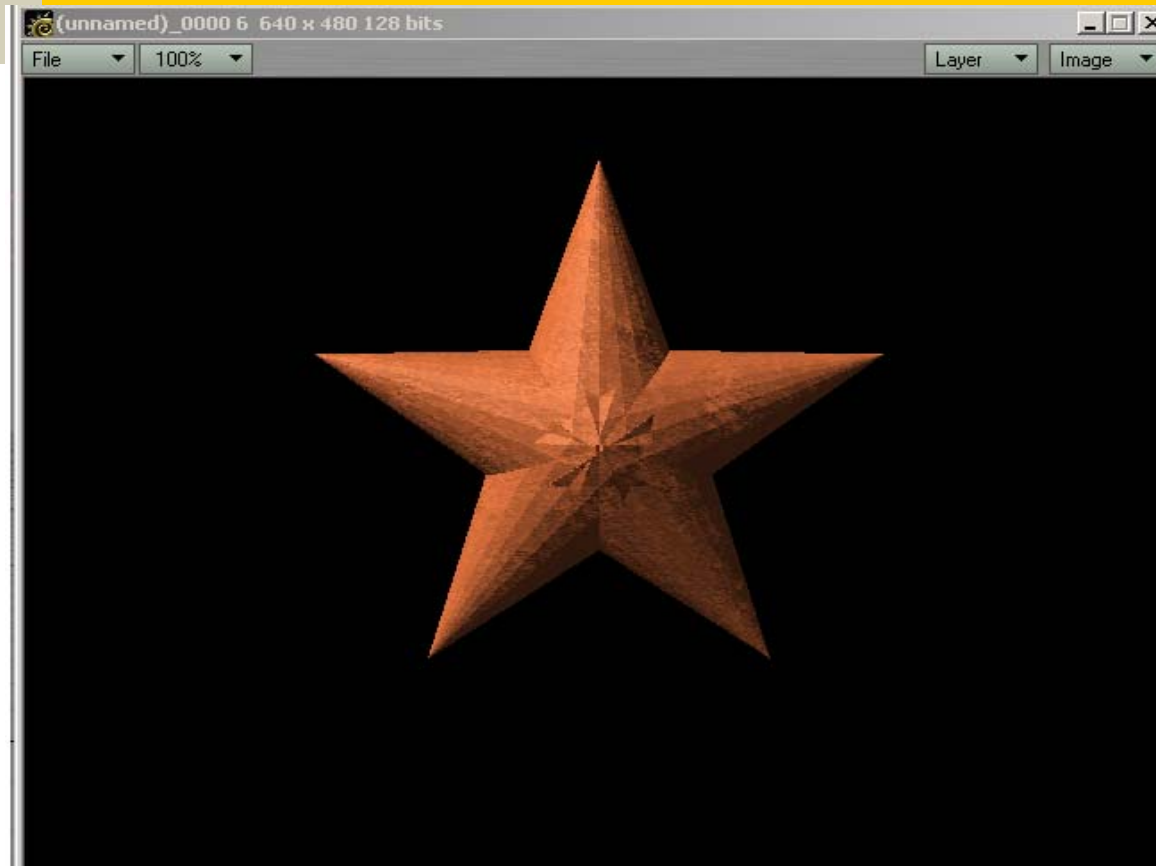
•Make sure the center is set for "0"

•Click OK



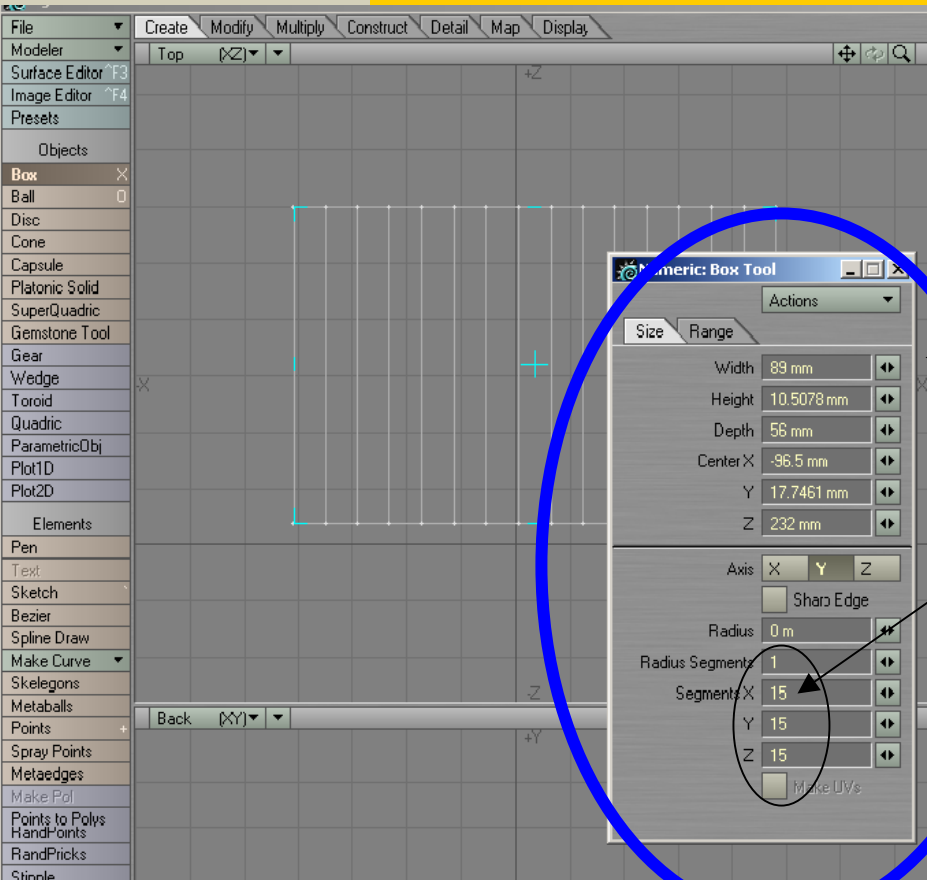
You should get something that looks like this!

And with a little color and texture



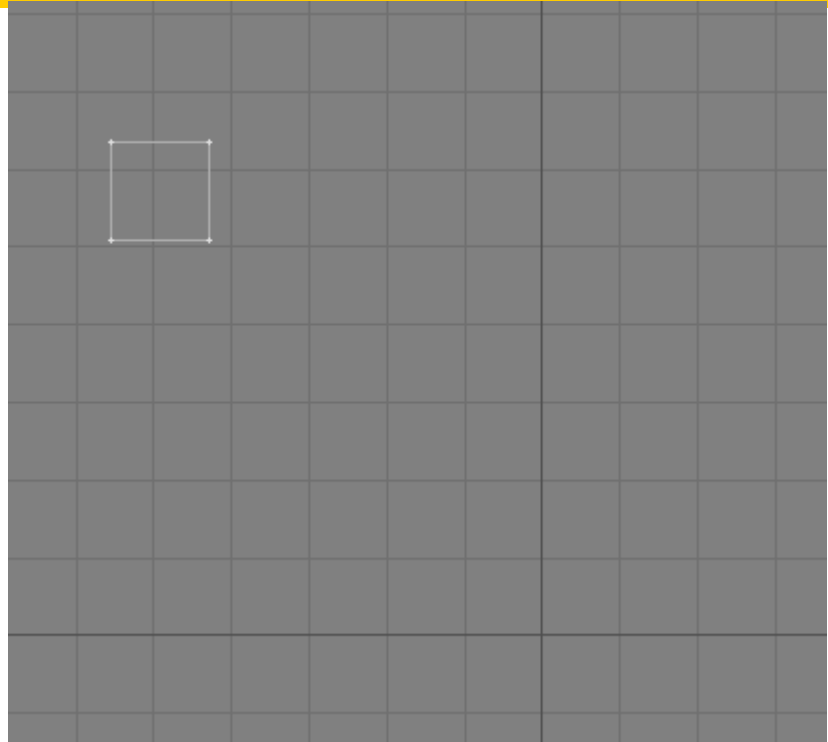
You can get a cool looking starfish

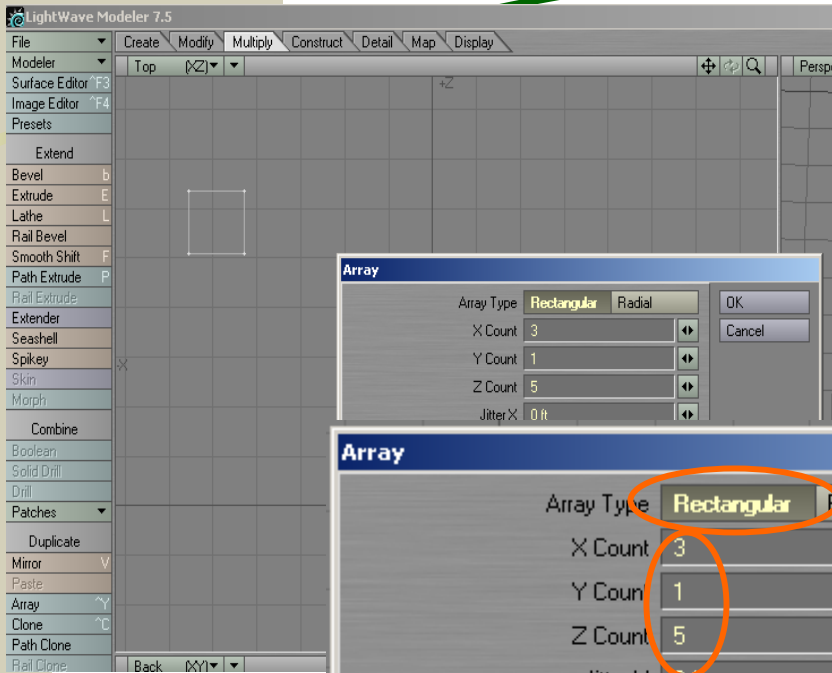
# Waffle



- ☛ Create a box
- ☛ Then press the “n” key
- ☛ This box will appear
- ☛ Change the number of segments to something like 15 for each axis.

- Create another box.
- Make sure its small enough to fit inside the bigger square we just made.






- Click on multiply and Array

- This time make sure its on Rectangular

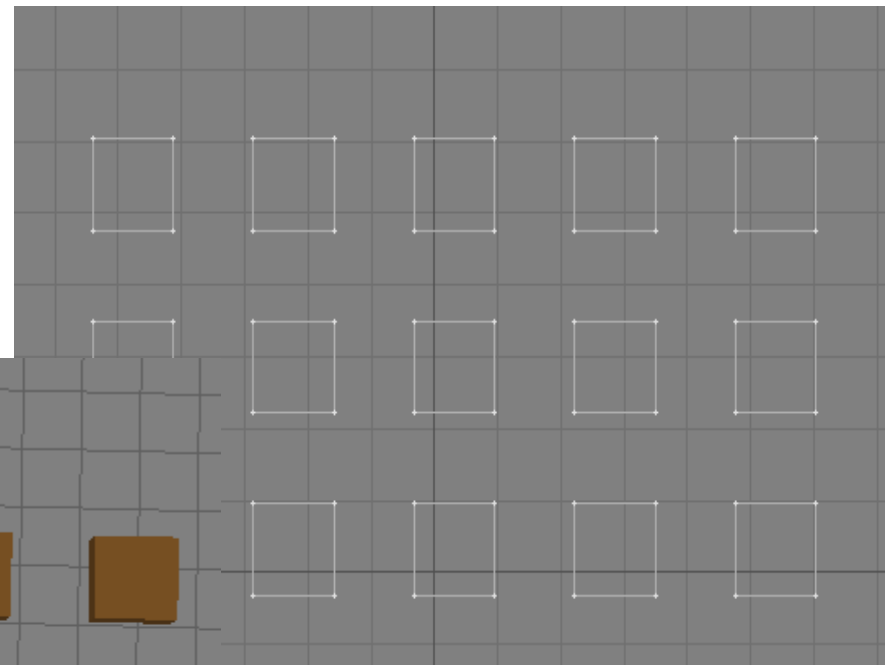
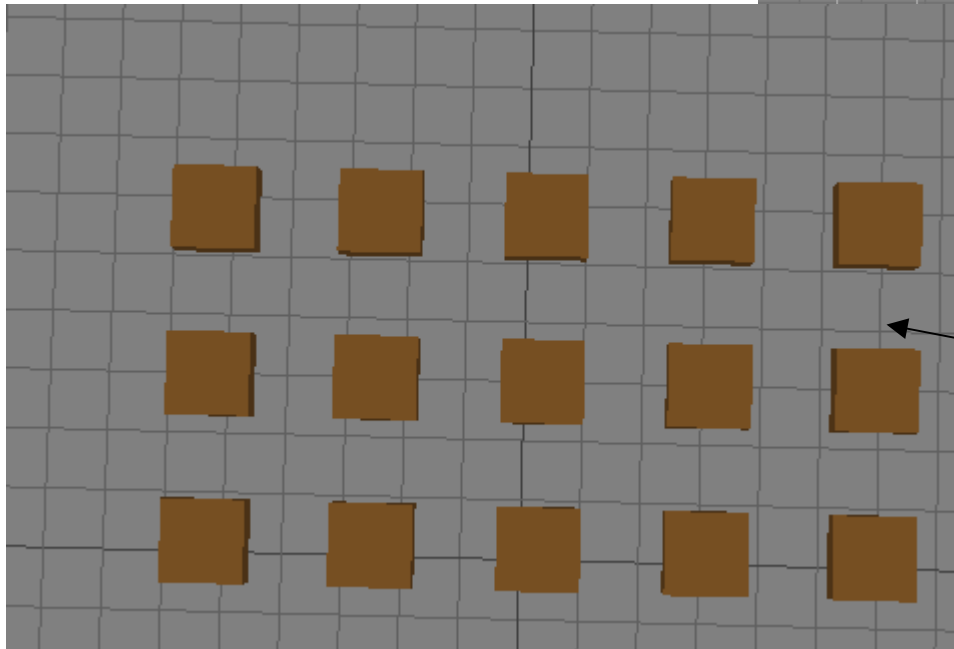
- Figure out how many squares you want across an down the waffle.

- Make sure that Manual is selected and change the offset.

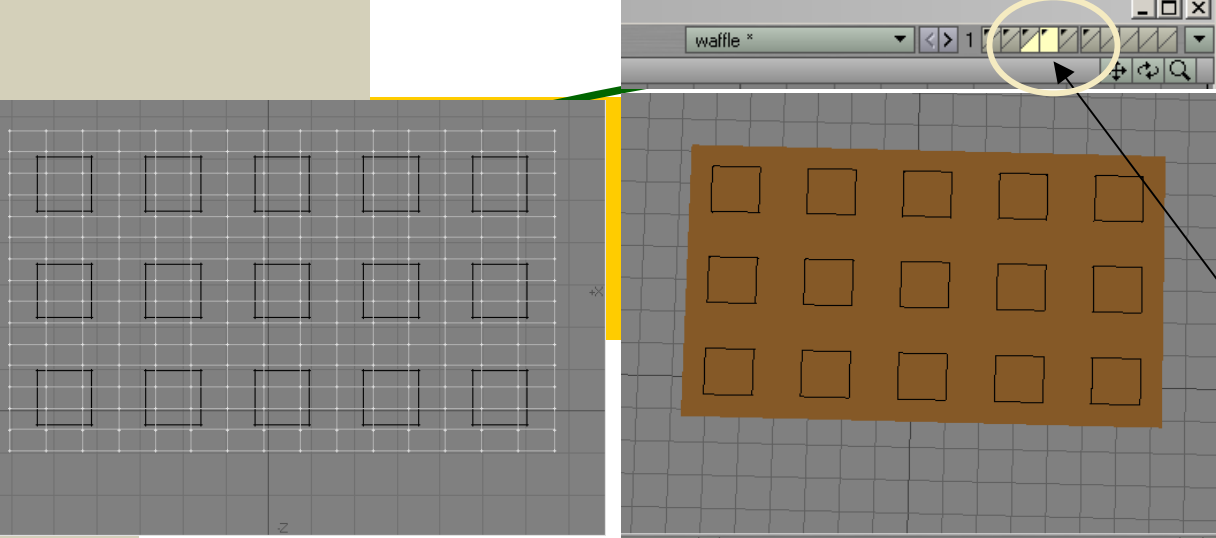


- This is what you will get a row of 5 across and 3 down

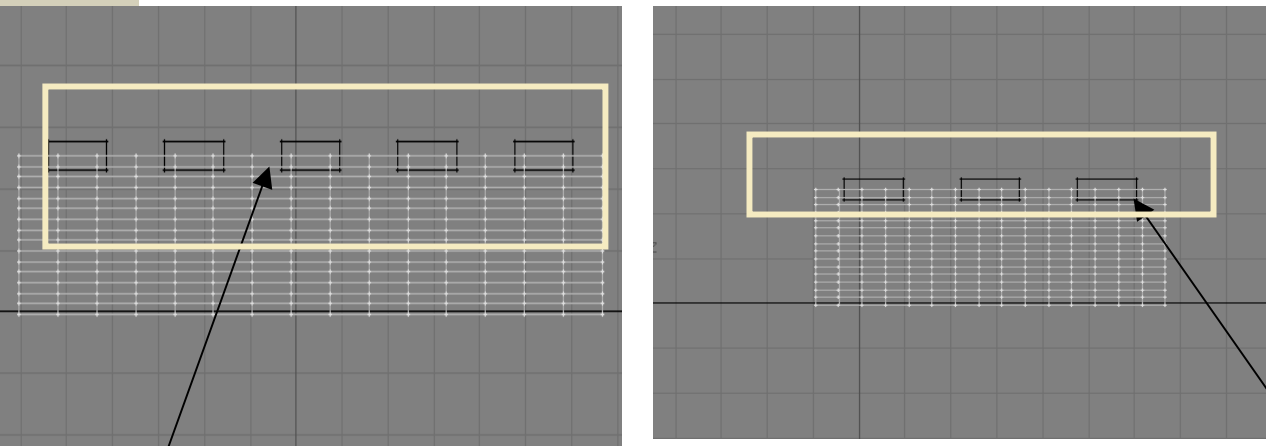
- Feel free to change the color so it will look more like a waffle



You'll get something that looks like this!

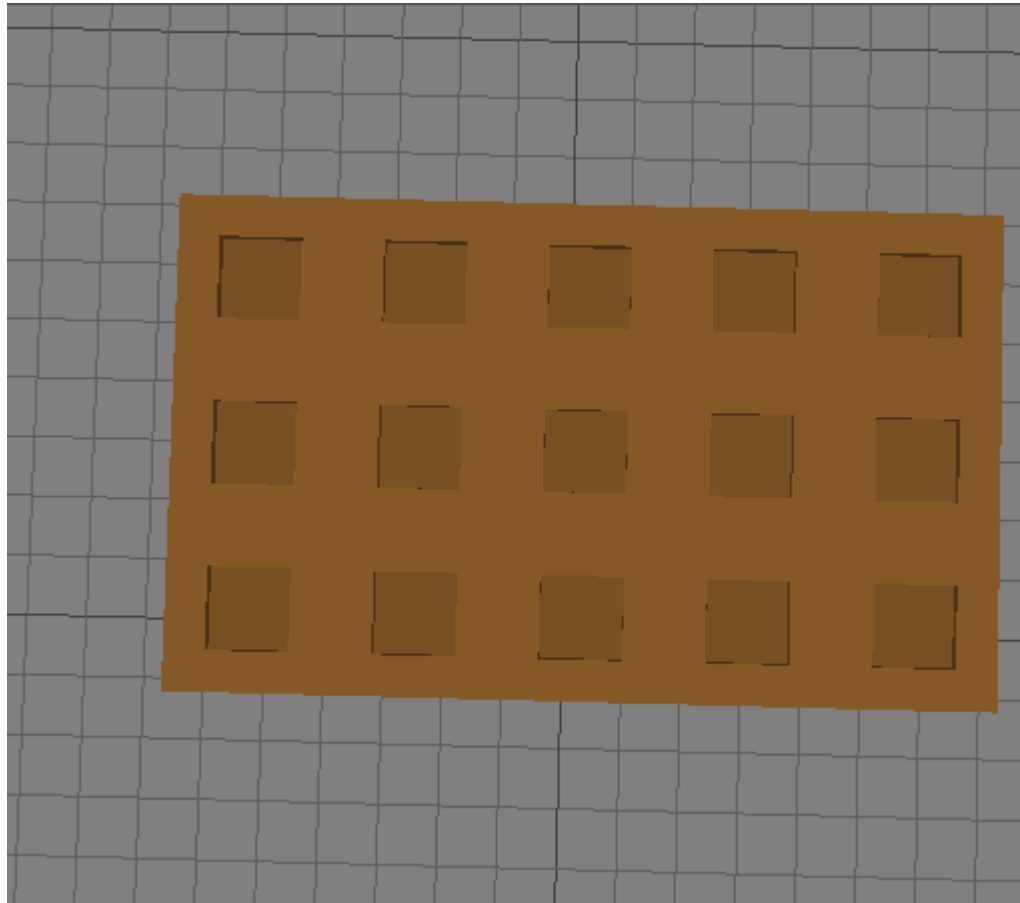


- Make the larger square the active layer
- Make the smaller squares visible by clicking on the layers buttons on the top.



- When lining up the layers make sure it fits inside the box at the top left corner and that they are slightly sticking out of the two bottom layers.
- Then, using the Boolean subtract tool, subtract the little squares from the big squares.

A finished waffle!





# Conclusion

- ✦ Now not only do you know how to make a waffle and a starfish but you also know how to use the array tool
- ✦ The array tool comes in handy when you have to replicate something multiple times either in a circle or in a square.