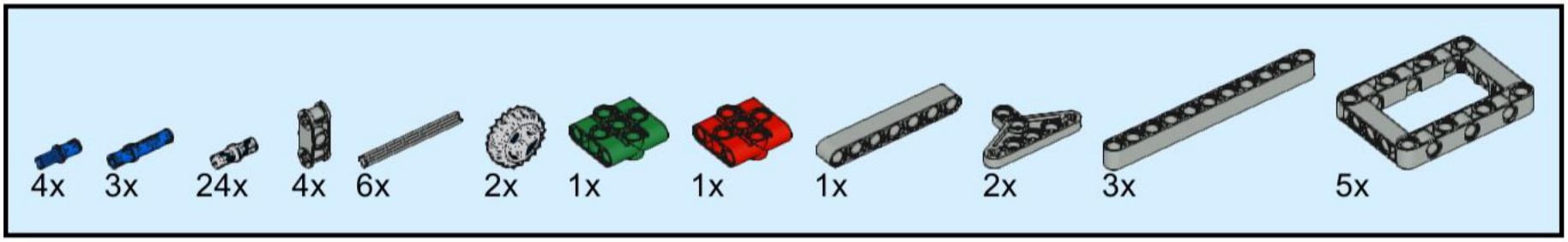
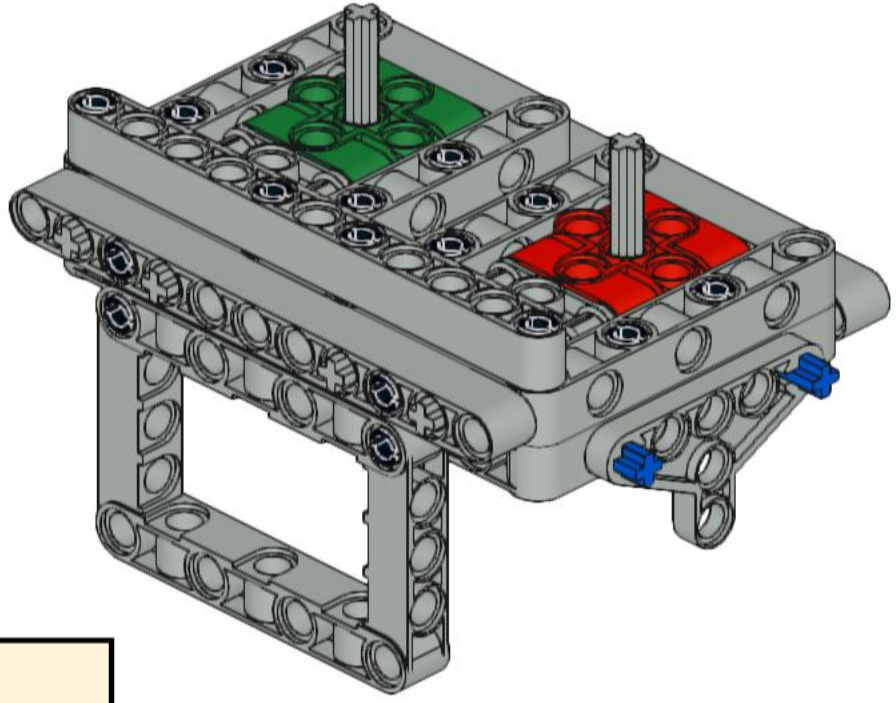
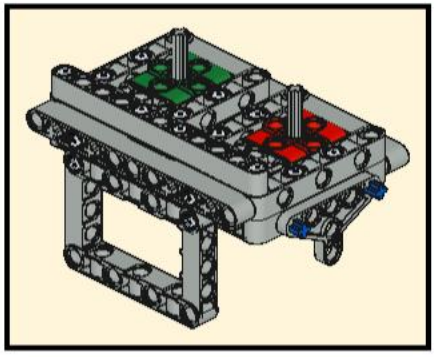
1



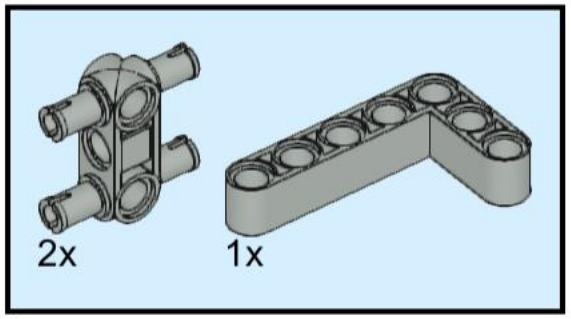


Start with the Basic Attachment Build Plate (see "Basic Attachment.pdf").

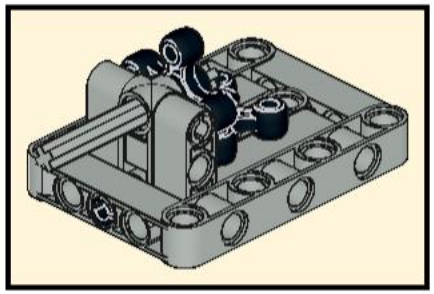
This is one other way of getting the right angle gears on the Build Plate. There are other ways of doing it.

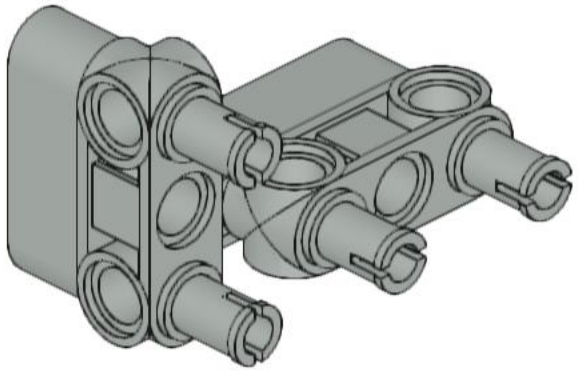


3

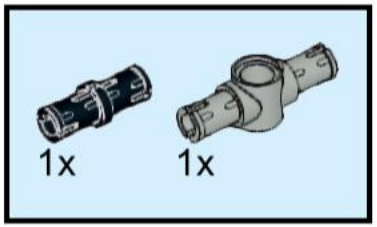


These pieces are called H's and "Big L's". I assume you can tell which is which. The Big L's are in your colored parts bin, and the H's are in a bin by themselves.

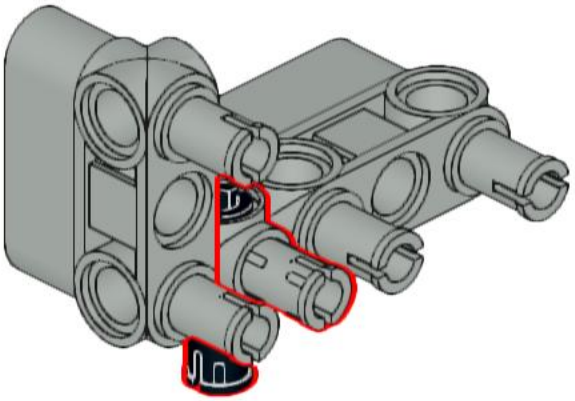




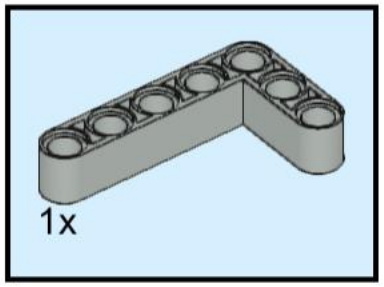
4

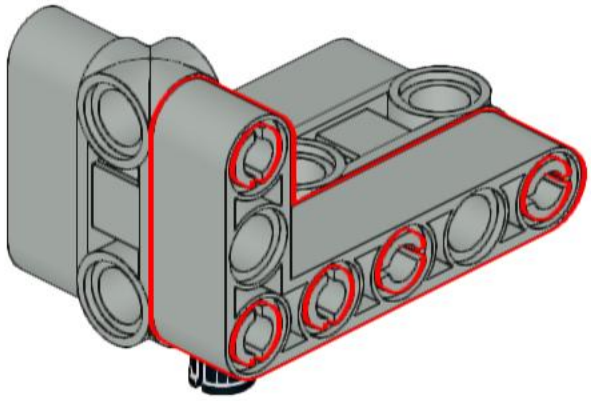


The double pin with the pin hole in the middle is called a "Tie Fighter". See if you can figure out what bin it is in.

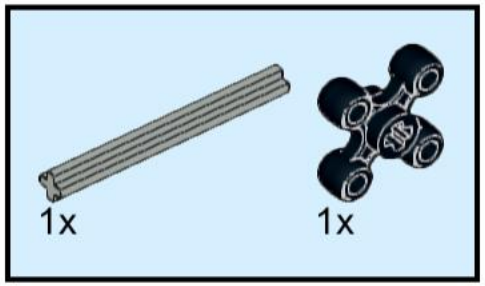


5

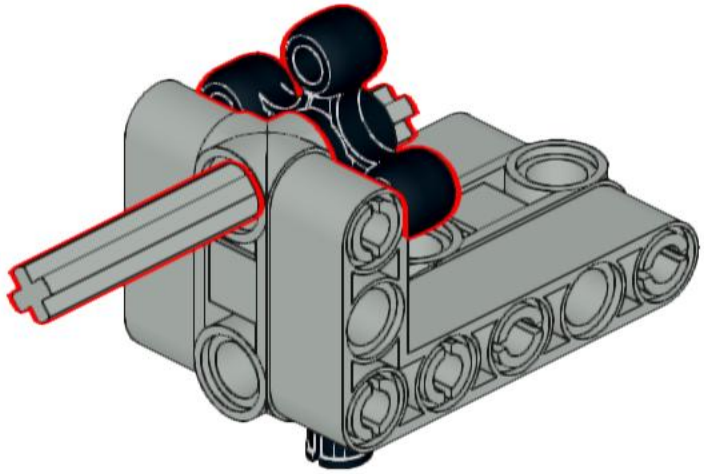




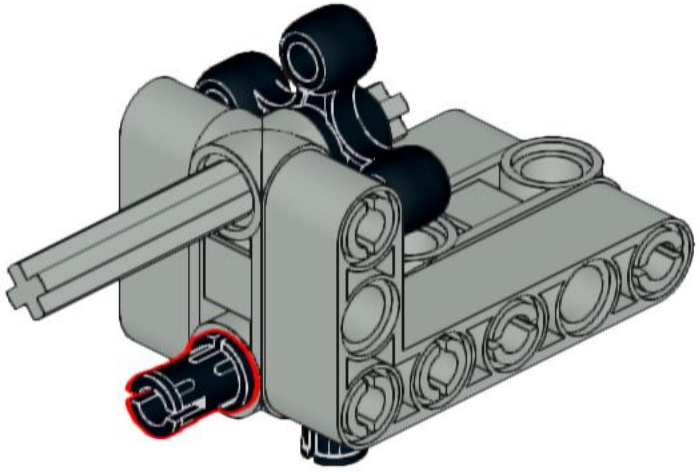
6



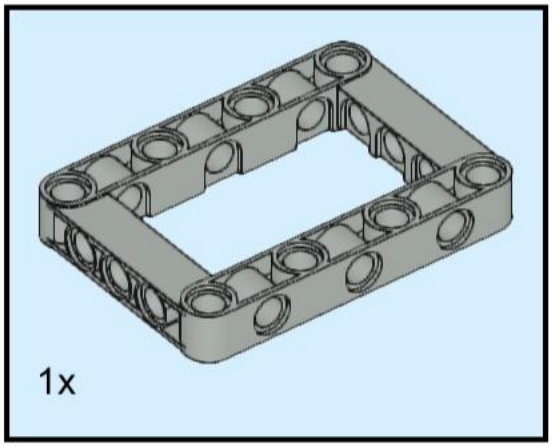
The black thing is a gear and it is called a "knob gear" or sometimes a "club gear". They are great because they really cannot slip

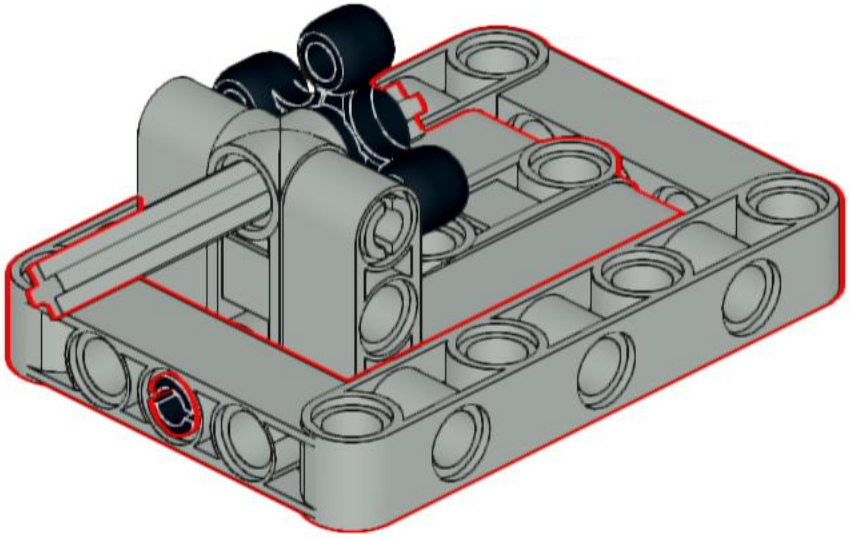


7



8

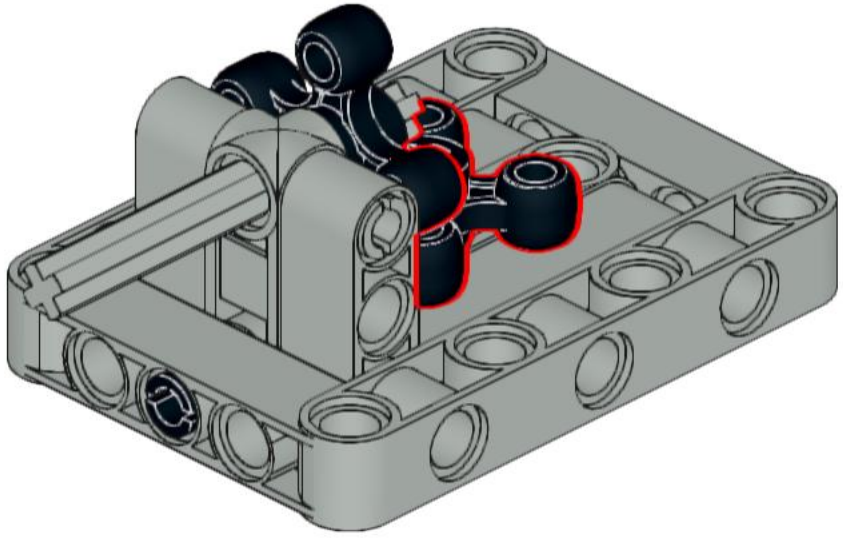




9

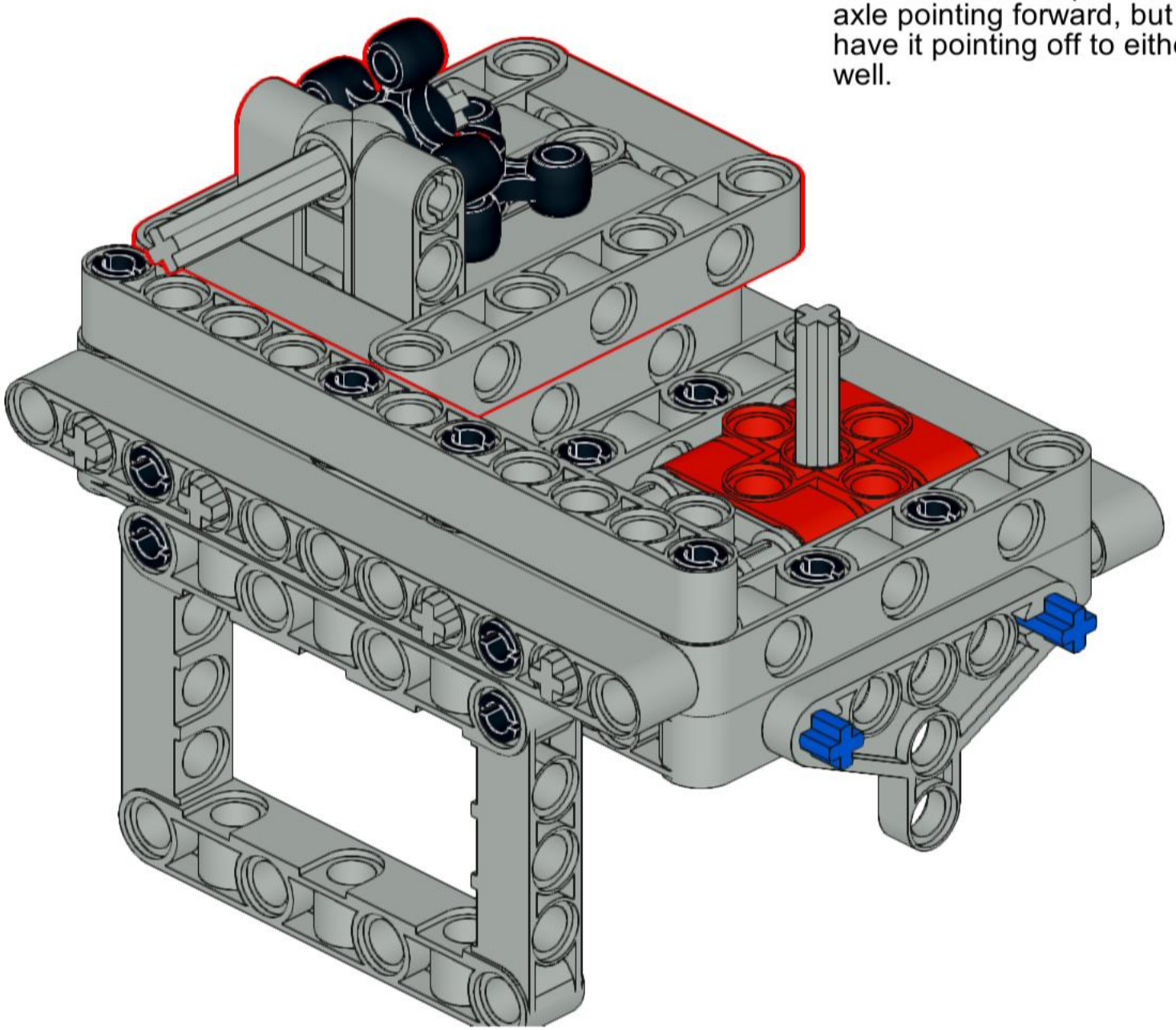
Hold this knob gear in place while placing it on the build plate. The existing axle will pass through this knob gear.

What is the gear ratio for these two gears?

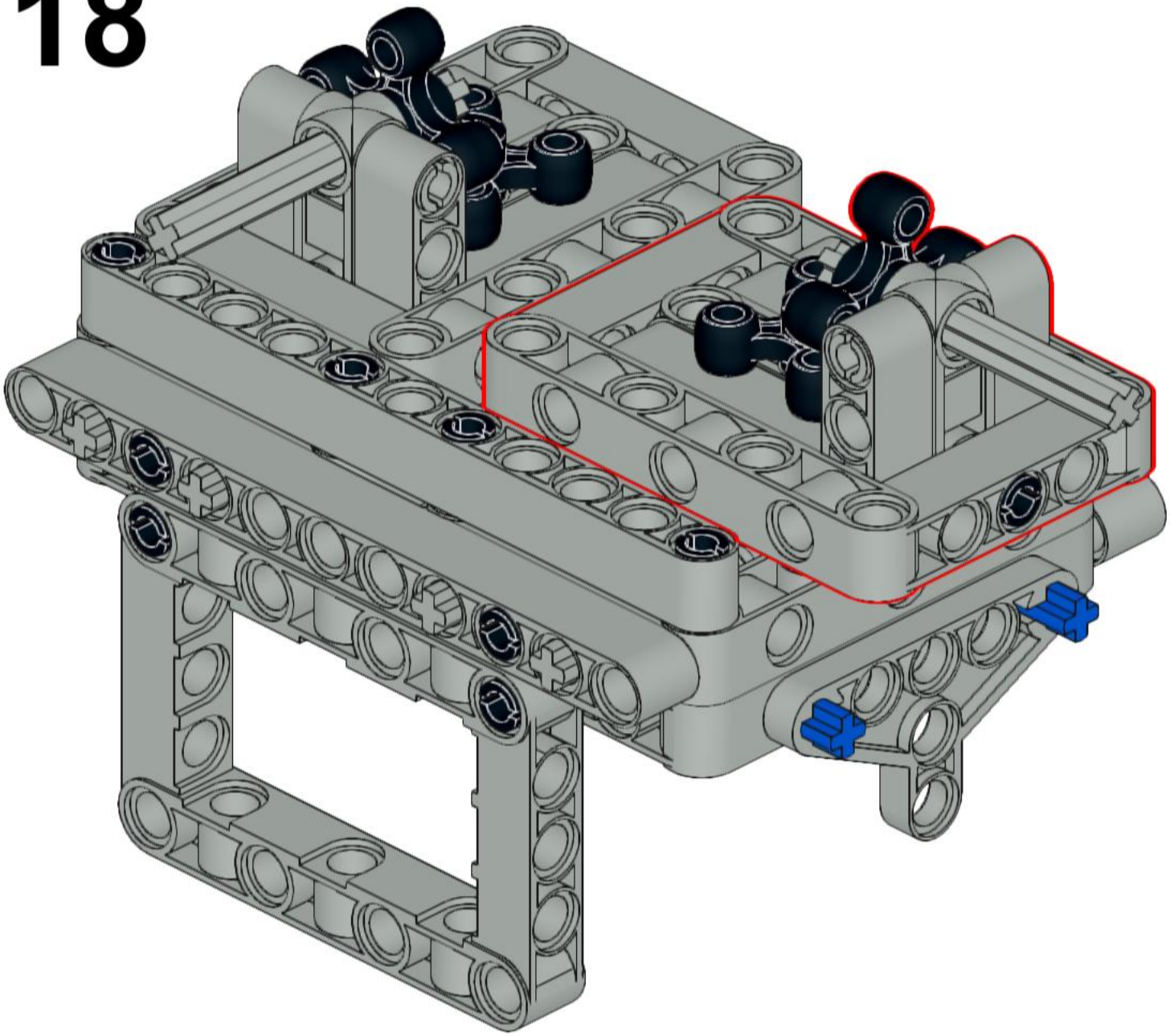


10

Place this on the Build Plate, either side. Here I have placed it with the axle pointing forward, but you can have it pointing off to either side as well.



18



Here I have placed the right angle gear on the Build Plate with the axle point out the left side of the robot.

At this point, it would probably be a good idea to secure the two right angle gears to the Build Plate a little better. It will probably only take one or two carefully selected parts. There are several ways to do it, but since every build is different, it is up to you to figure it out.