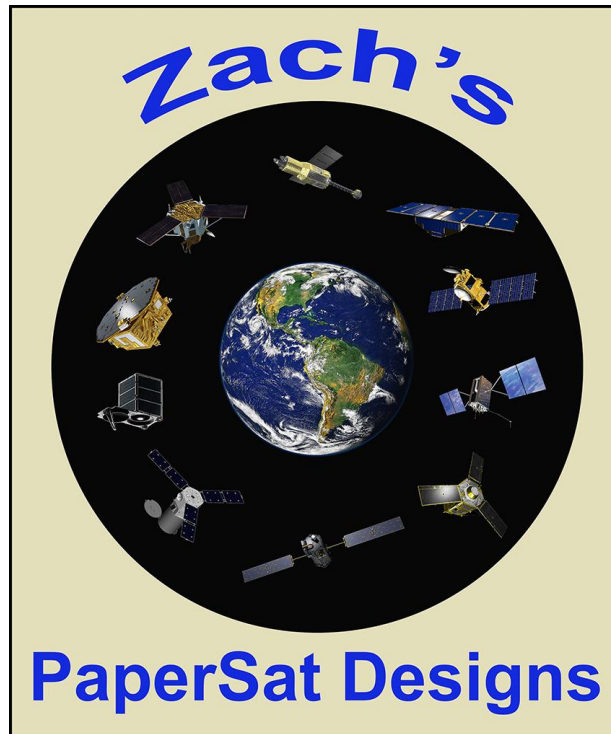


Telescopes Paper Model Instructions



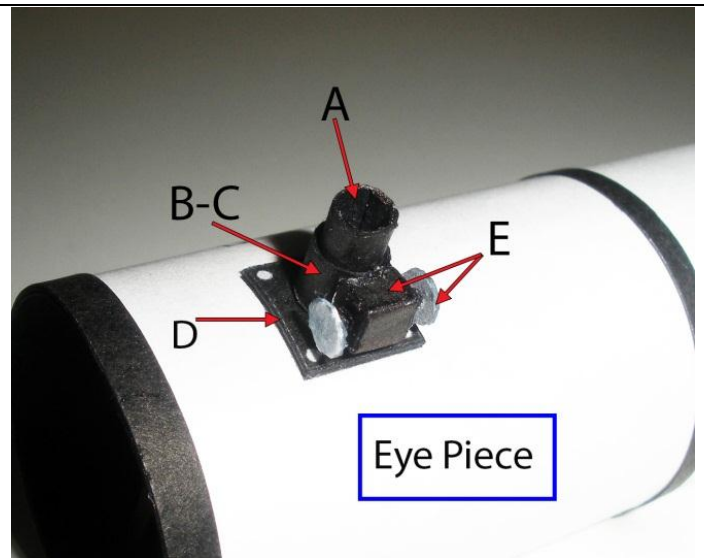
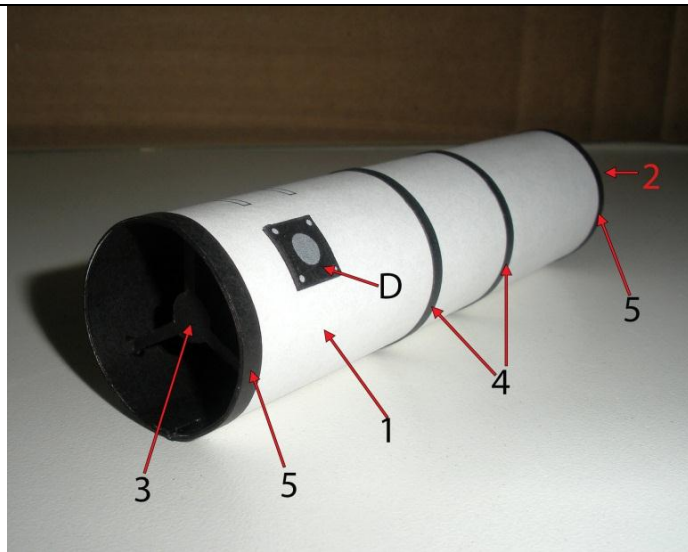
This is a unique paper model of both the reflector and refractor telescopes to build and enjoy.

Tips:

- After cutting out the black parts, color the edges black for a better looking model.
- Drill small holes on the appropriate parts before folding, rolling and gluing.
- Need Black Paper for the interior of each telescope.
- The legs and hinges should be glued level with the tripod base as best as possible for the models to stand straight.
- Need 3 skewers (Wooden rods), **5 $\frac{3}{4}$** inches long for Refractor Telescope and **5 $\frac{1}{4}$** inches long for the Reflector Telescope, around 1/8 inch (3.5mm) diameter – colored silver or grey.
- Plastic broom straws 1 inch long colored black for the adjustment knobs for each telescope.
- Use very little glue and work with clean hands for a clean appearance.
- Take your time.

You will see small differences between some of the parts shown on the photos and the parts on your model. Some modifications were made during the writing of these instructions. Some differences are reflected on the eye pieces, and the finder scope mount for the refractor telescope.

I hope you enjoy your model.



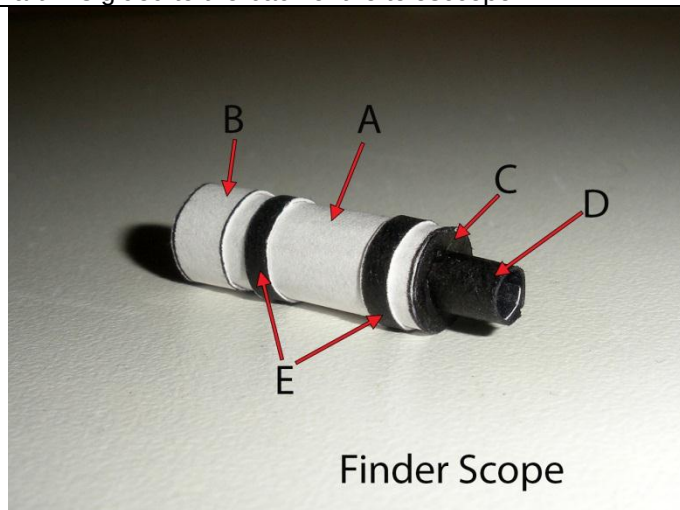
REFLECTOR Telescope

Use BLACK PAPER for the interior.

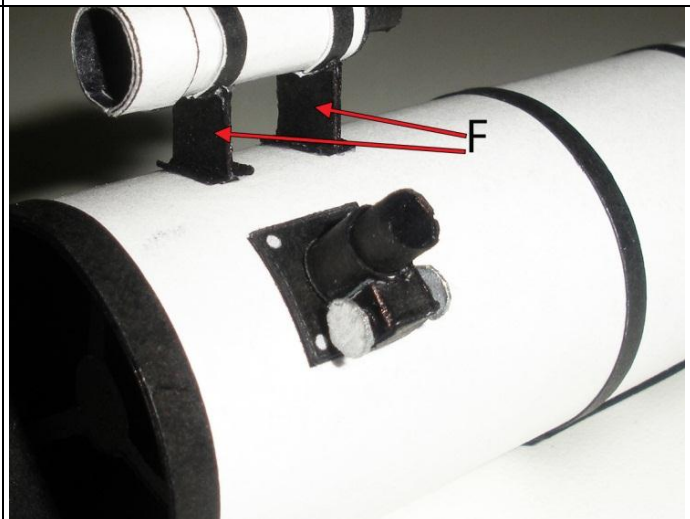
Part 3 is glued about ¼ inch in from the edge.

Part 2 is glued to the back of the telescope.

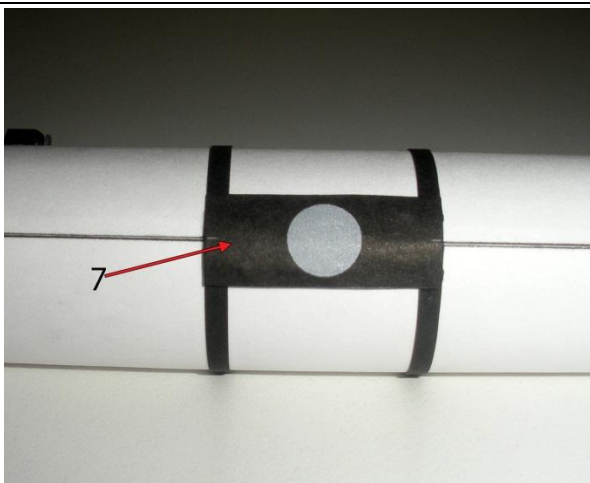
Poke holes in E before folding. Use a plastic broom straw as a shaft for the focus knobs.



Finder Scope

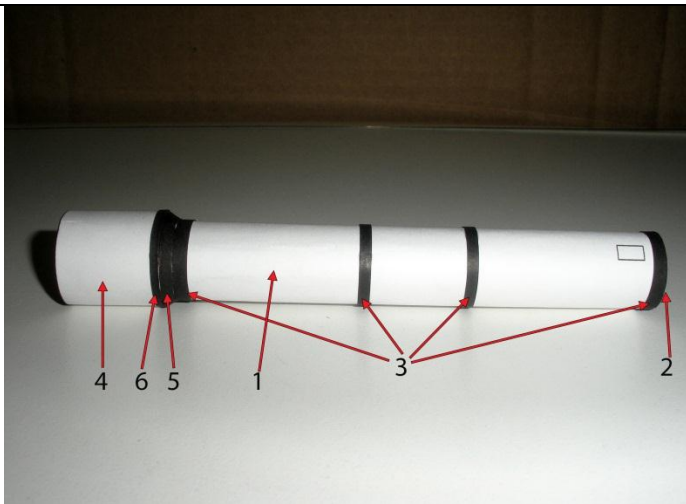


Glue over the matching graphics on the telescope tube.



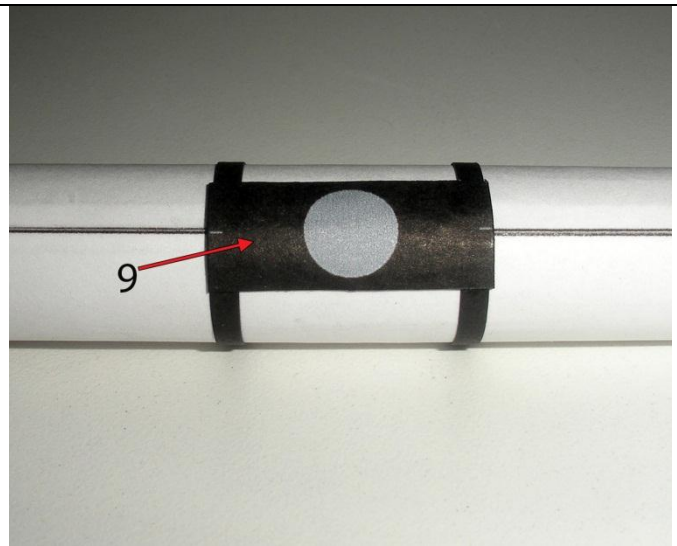
Match the grey markers on Part 7 with the seem.

The eye piece on your model should be a little longer than shown on the photo.

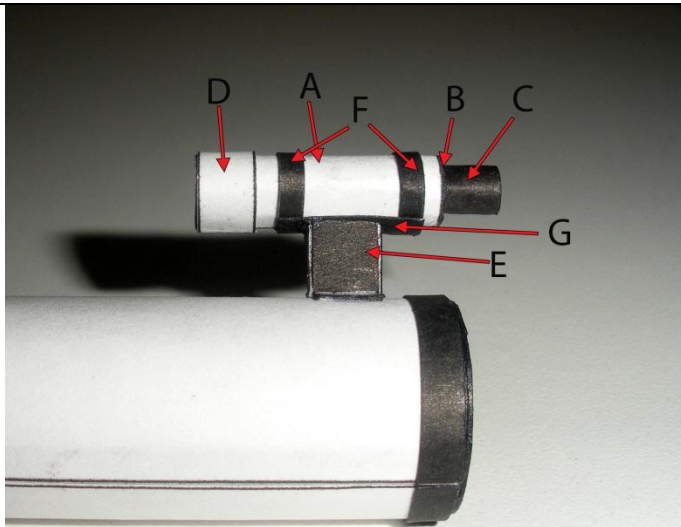


REFRACTOR Telescope

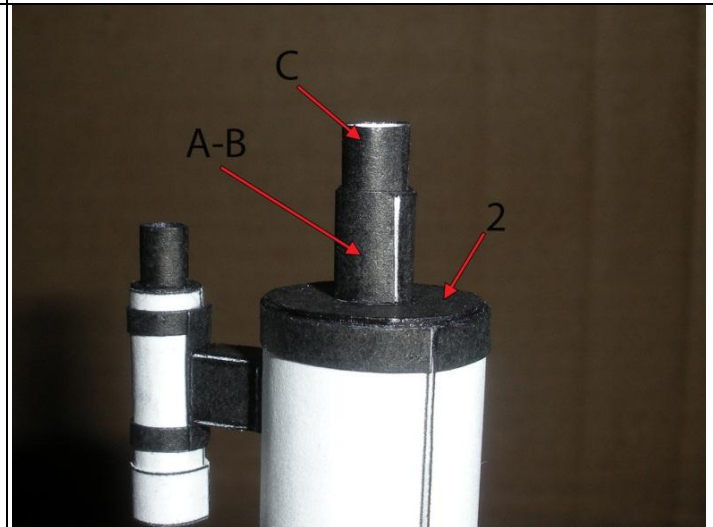
Use BLACK PAPER for the interior. Part 2 is glued to the back. Part 5 (Conic) is glued about 1 to 2 mm from the edge for Part 4 to fit onto Part 1 (main tube).



Match the grey markers on Part 9 with the seem.



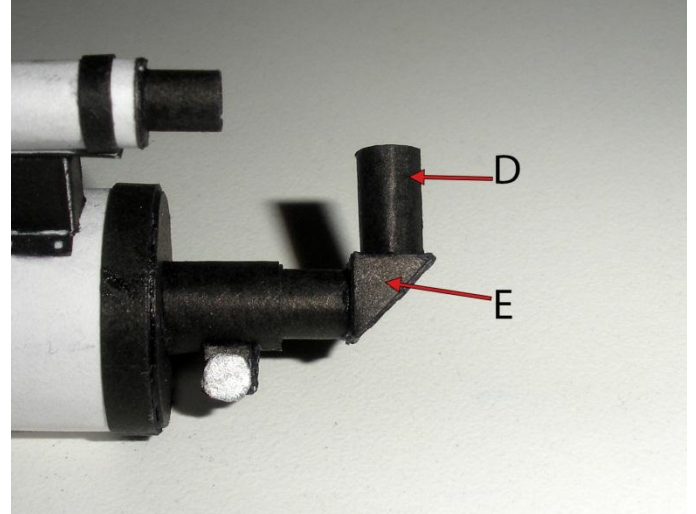
Finder scope. Part E is a little different than shown here. Glue over the graphic on the telescope tube.



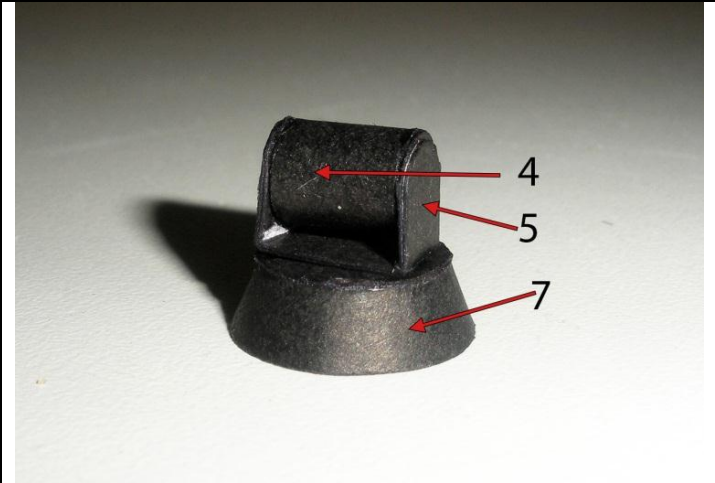
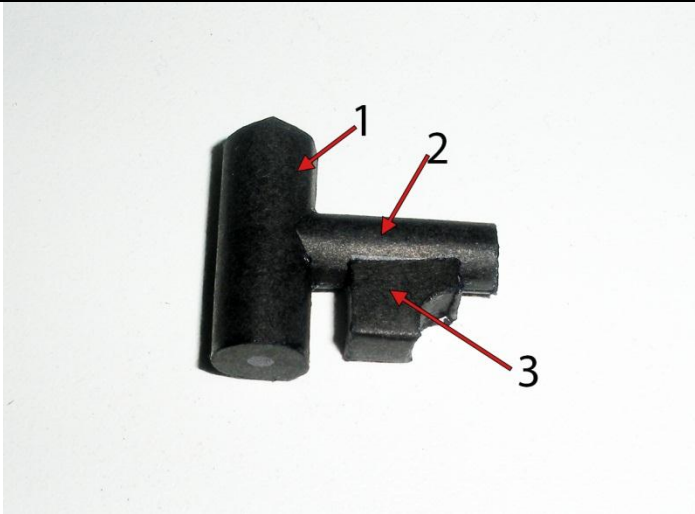
Part B is inserted into A. C is inserted into A-B. Match all seems (including the main body)



Poke holes in F before folding. Use a plastic broom straw as a shaft for the focus knobs



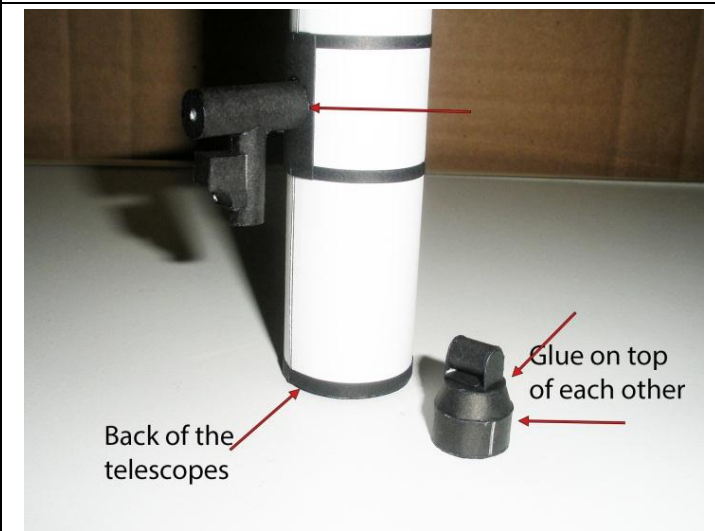
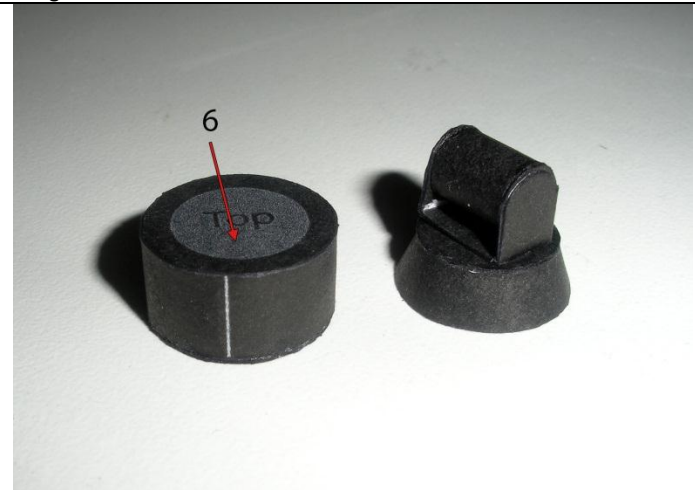
Line grey marker on E with the seem on C.



Both of Part 5 is glued so that the color shows on both sides.

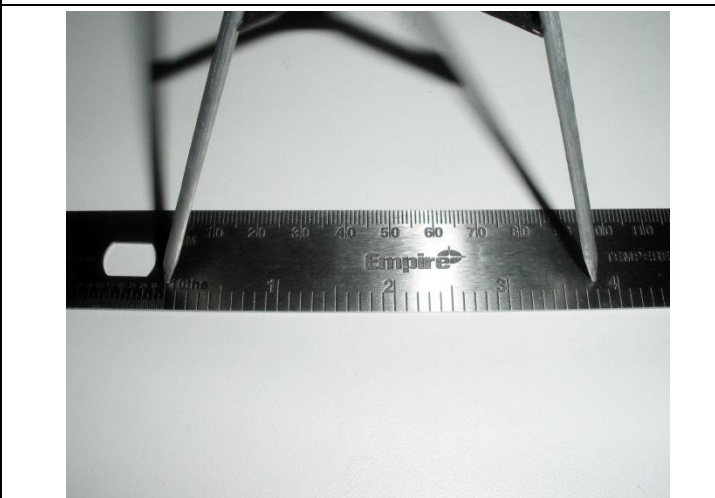
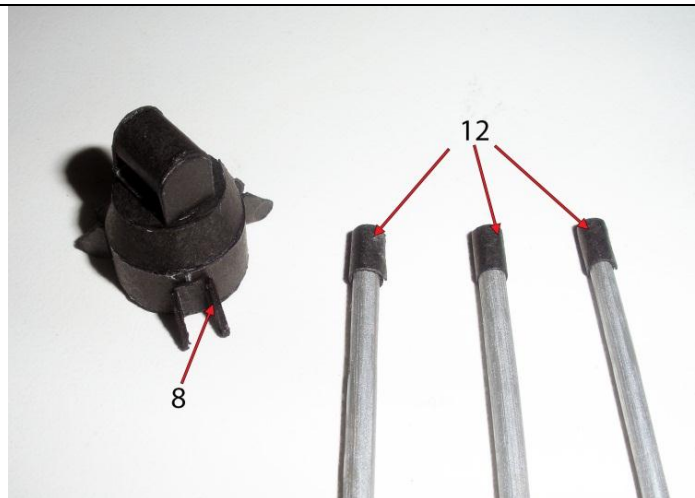
TRIPOD

Glue each part on the grey areas. Make sure they are straight. Poake hole on bottom of 1.



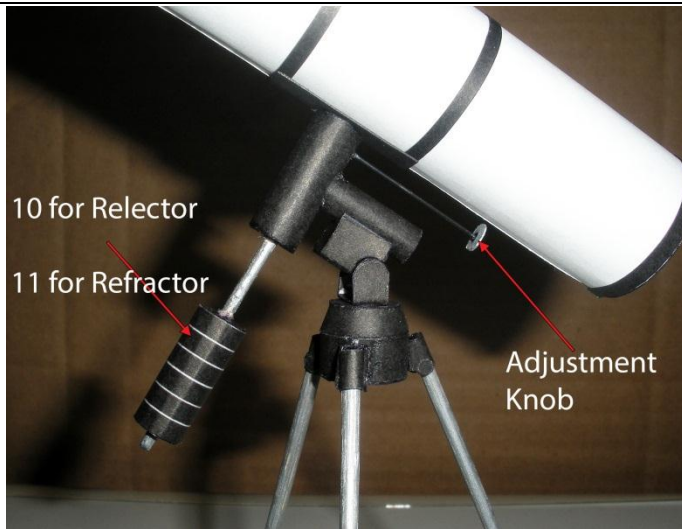
Glue the dish marked "top" to another cardstock. It should then fit snugly into the ring. Glue the other disk to the bottom. Should see 3 lines on Part 6.

Glue 1-3 assembly onto the telescope, note the positions.



Glue 8 on the 3 lines, make sure they're straight and level. Wrap 12 on the end of the skewers (legs), colored sliver.

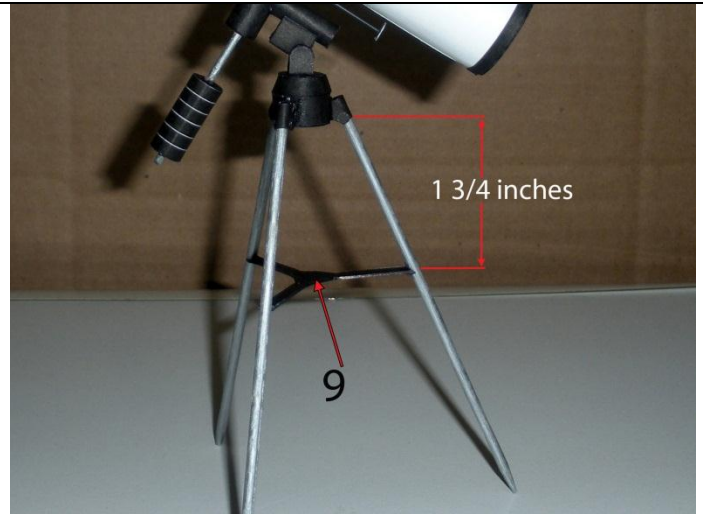
I find that almost 4 inches is appropriate for the leg bottom. Can use your own method if desired.



Use 10 for the Reflector, 11 for the Refractor counter weights.

Use tooth pic about 1 ¼ inches long colored silver, slide into the holes you drilled on top and bottom of 10 or 11. Glue the other end as shown.

Use plastic broom straw (Black) for the adjustment knob for each telescope.



This is approximate distance. This depends on how far apart the leg bottoms are. Measure and mark each leg to glue Part 9 for straightness.

Now you can build another tripod for the other telescope.



Your models are done, Congrats.