



# CBJ DRAWING LESSONS

## #D19-31 "Binoculars"

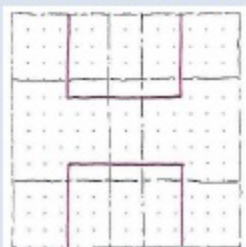
**DIRECTIONS:** P-I-E (Pencil, Ink, Erase) First use PENCIL, Draw the Red ink in each step. Then INK all lines, ERASE Pencil. COLOR

#1. In pencil, lightly make guidelines to draw a box that is 14 units square.

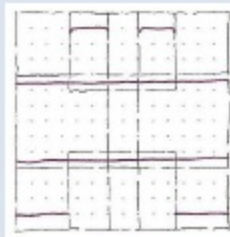


#2. Divide the box vertically on the 6 and 8 lines. Divide horizontally at 4 units from both the top and the bottom.

#3. Create a box at top and bottom 7 units wide and 5 units tall.

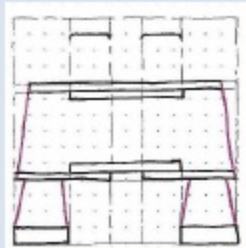


#4. Inside the wings of the top box draw horizontally at 1 unit from top. Repeat at outer wings of the bottom.

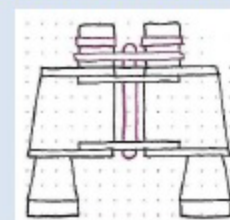


#5. Add a horizontal line 1/2 unit inside both the top and the bottom boxes.

#6. Use the guides to draw angled lines at the sides and at the base.



#7. Several 1/2 unit wide horizontal bars are created along the top eyepieces.

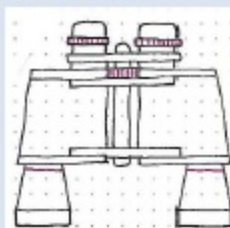


#8. Create the center hinge-piece with rounded ends and vertical lines, 1 unit apart.

#11. Trace all lines in ink and erase pencil.

#12. Use shades of gray to color in the binoculars. Lighter sections along the sides will impart roundness to the shape.

#9. Add hashmarks along the width of the eyepiece crossbars and the center section of the upper block for bars for focus rings.



#10. Add lines along the top of the lens-pieces.

