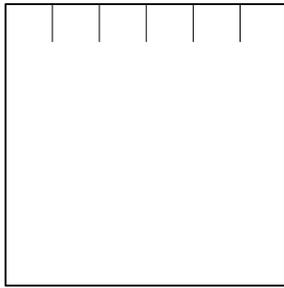
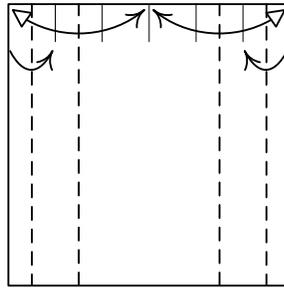


# Festive Icosahedron

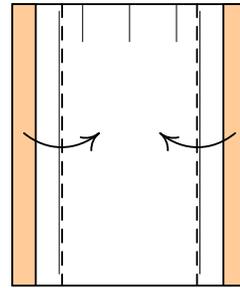
(Designed July 2020)



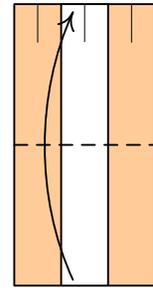
**1.** Pinch the top edge into thirds and then sixths.



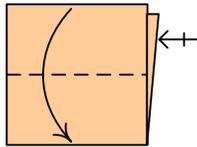
**2.** Fold the quarters and unfold. Then fold the two narrow strips of twelfths.



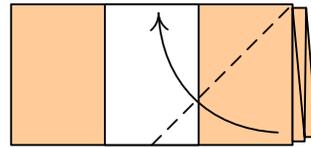
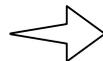
**3.** Fold existing creases.



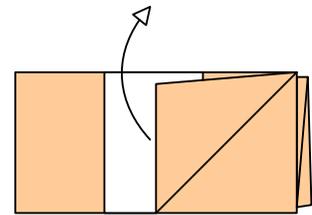
**4.** Fold in half.



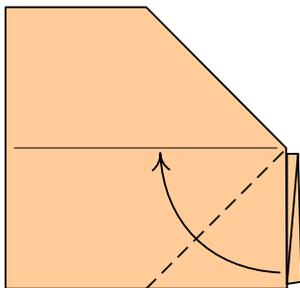
**5.** Fold front flap in half. Turn over and repeat.



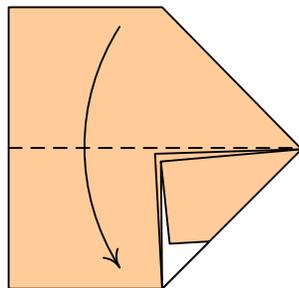
**6.** Fold the front flap only.



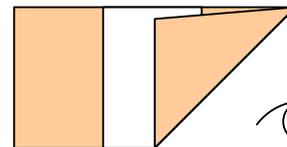
**7.** Unfold top flap up.



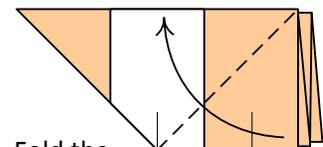
**8.** Fold all the layers firmly together.



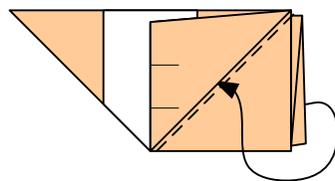
**9.** Refold.



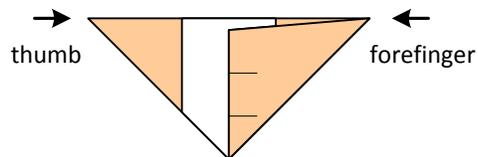
**10.** Turn over.



**11.** Fold the front flap only.

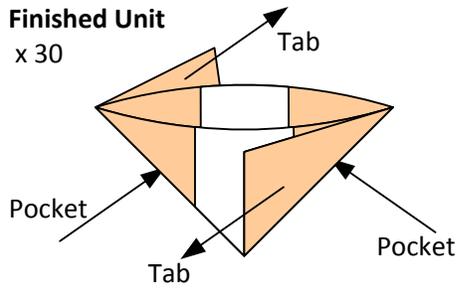


**12.** Pre-crease along the edge through all layers. Then tuck underneath front flap.

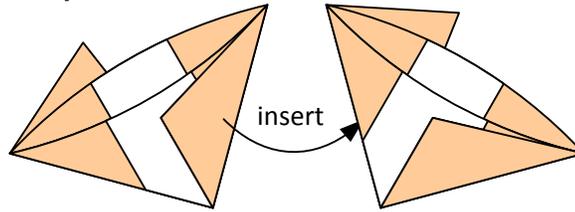


**13.** Apply pressure to the corners with your thumb and forefinger to open up the top. Firmly curve the top edges outwards with your nails to complete the unit.

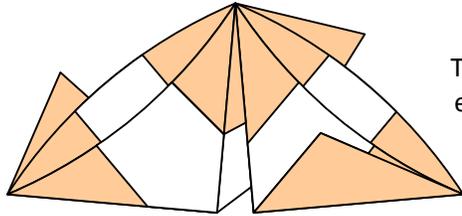
**Finished Unit**  
x 30



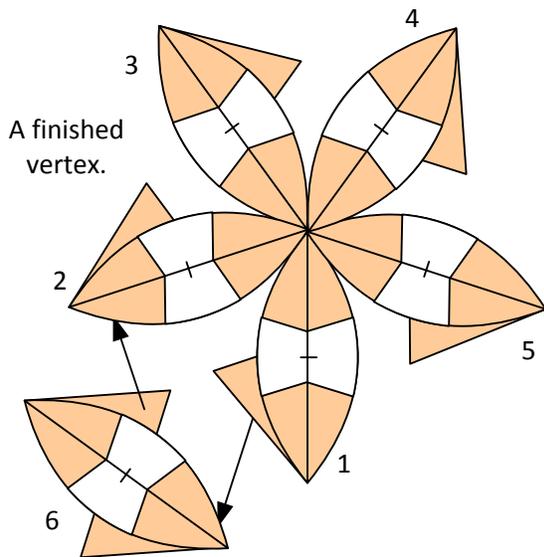
**Assembly**



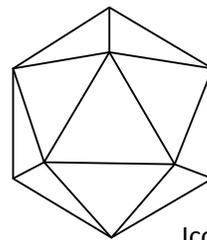
To join two units,  
insert tab into pocket.



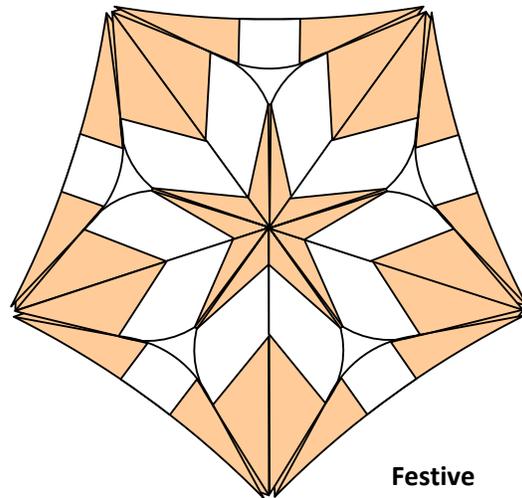
Two units joined. Make sure the top  
end of the tab is all the way in. The  
bottom will naturally come out a  
little in the final assembly.



A finished  
vertex.



Icosahedron



**Festive  
Icosahedron**

Connect five units in a ring to complete one vertex of an icosahedron. Introduce a sixth unit to complete one face. Continue assembling the units along the edges of an icosahedron to finish your model. Note: Temporary assembly aid such as miniature clothespins would be helpful.

**Variation:** In Steps 1-3 of the Festive Icosahedron, we pinched thirds and sixths and then folded narrow strips of twelfths of the square. You can try other proportions for different looks. For example, if you pinch halves and quarters instead, and then fold strips of eighths of the square in Step 3 (much easier to fold than twelfths), you will have larger widths of the white paper showing.

(Photo on p. 50)