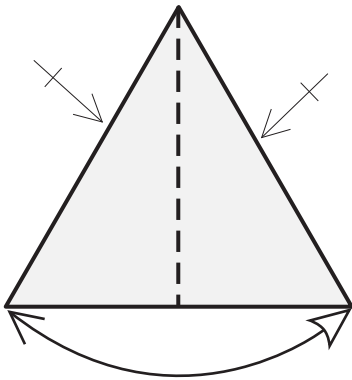


# Tetrahedron Gift Box

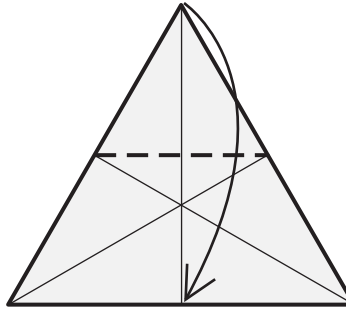
Designed by Arnold Tubis. Diagrams by Stephen Hecht.

The model's sides will be  $\frac{1}{4}$  of the sides of the original triangle.

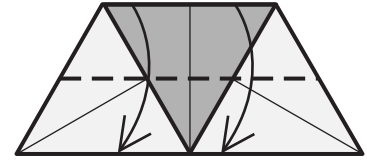
Start with an equilateral triangle, white side up, for a colored box.



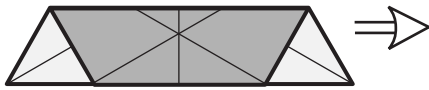
1. Fold in half and unfold. Repeat twice.



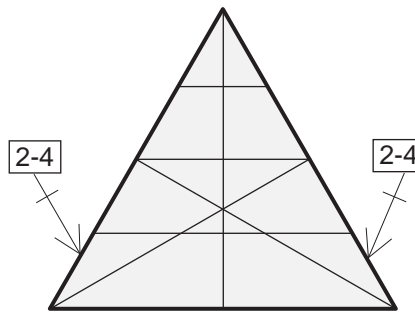
2. Fold top point down to end of crease.



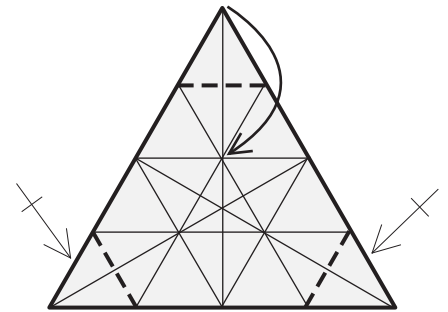
3. Fold top edge to bottom edge, through both thicknesses.



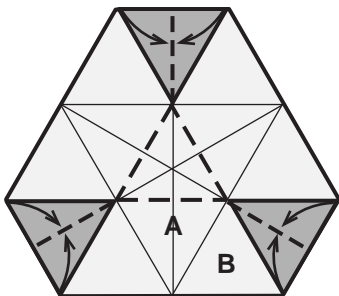
4. Unfold completely.



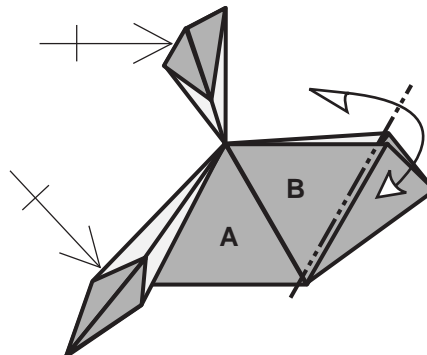
5. Repeat steps 2-4 twice.



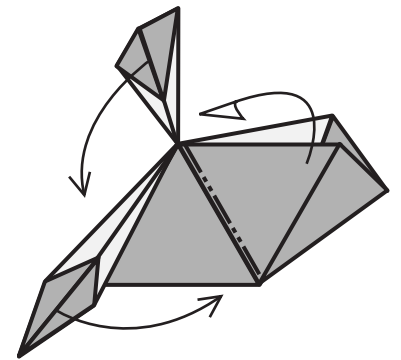
6. Fold corners in on existing creases. (Or see "Variation").



7. Place your "gift" in center of paper. Then pinch the 3 corners and lift up the sides (all on existing creases). Note triangles A and B.



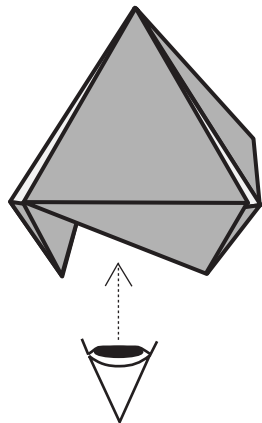
8. Model is now 3-D. Triangle "A" is the front face of a tetrahedron. Mountain-fold double-edge along existing creases, sharpen, and unfold. Repeat twice.



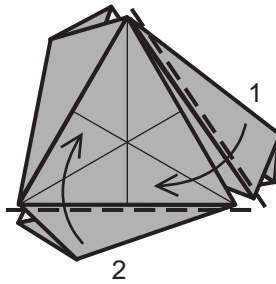
9. Fold the flaps down onto the faces of the central pyramid (existing creases).

# Tetrahedron Gift Box (continued)

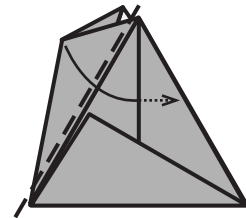
Designed by Arnold Tubis. Diagrams by Stephen Hecht.



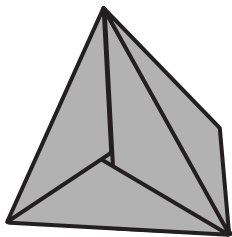
10. (model enlarged) Next view from below.



11. Fold flaps down, in the order shown.

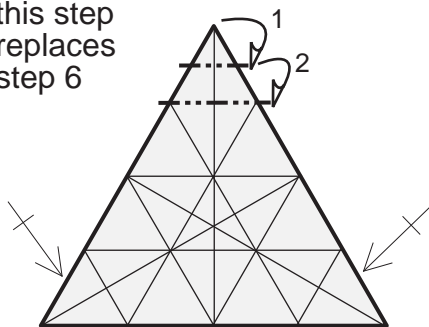


12. Tuck third flap under edge of the first one.

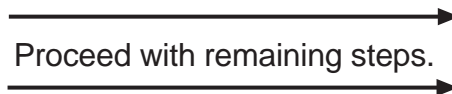


13. Finished.

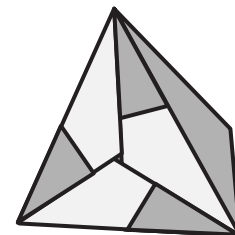
Variation:  
this step  
replaces  
step 6



6. Mountain-fold the tip twice.



Proceed with remaining steps.



13. Final result of variation.