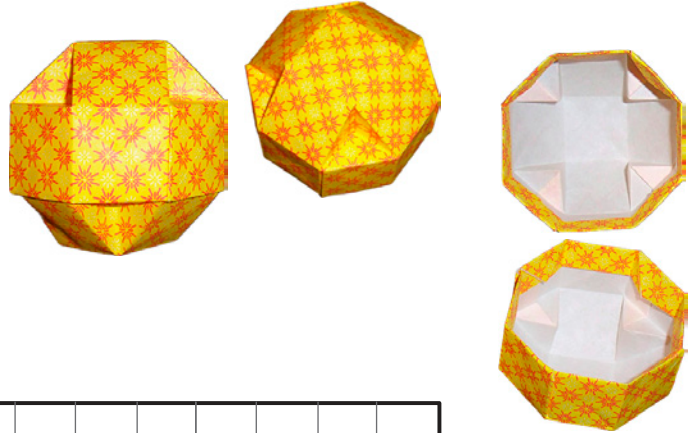


# Truncated Cuboctahedron Box

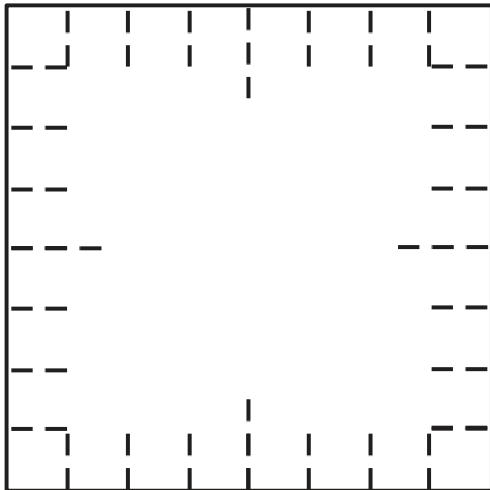
Designed by Kenneth M Kawamura ©1995

Diagrammed by Mari Michaelis ©2011

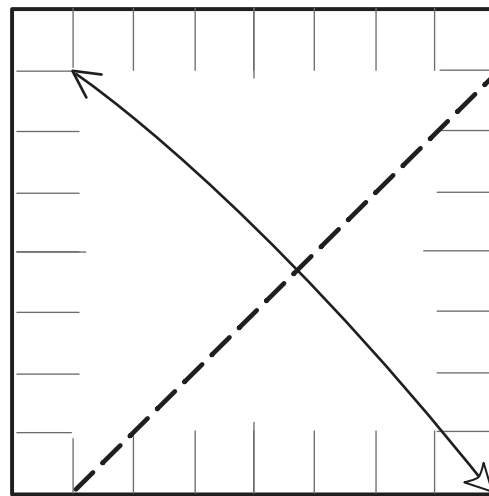
Use 2 sheets of paper, one for the top and one for the bottom.  
Cut the bottom sheet 1/4 inch (.635 cm) smaller than the top.  
6 inch/15 cm paper makes a box approximately 2 1/2 in/6.35 cm



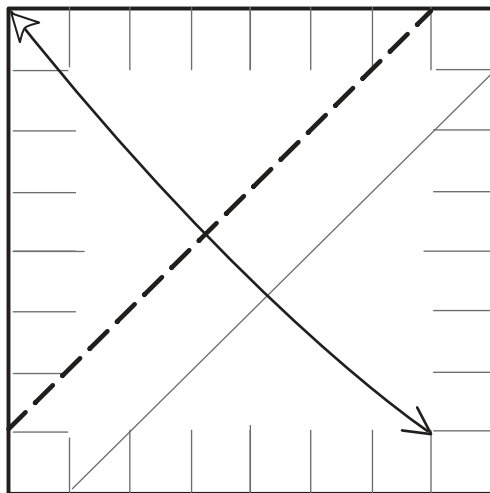
Start White side up.



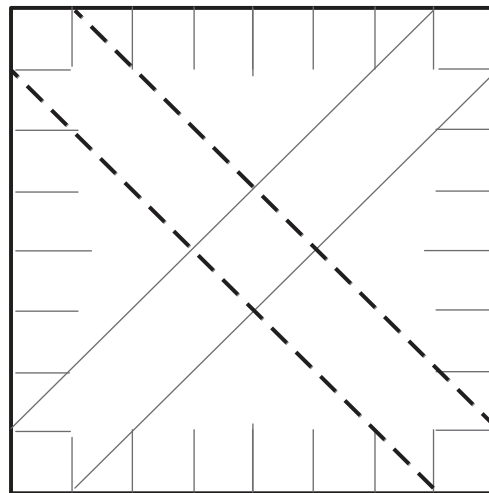
1. Pinch the paper in 8ths in both directions.



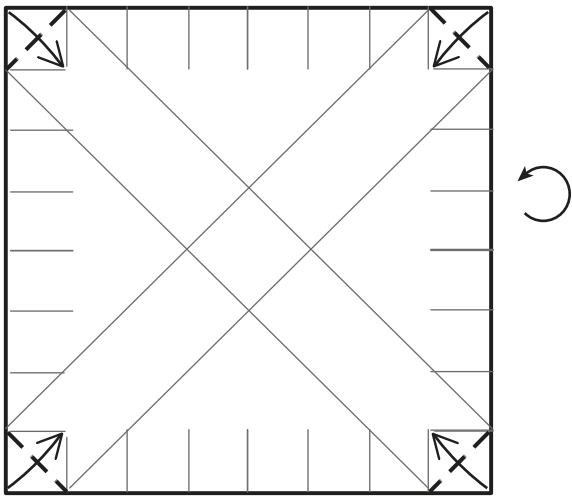
2. Valley fold and unfold diagonally. Line up the pinch creases for accuracy.



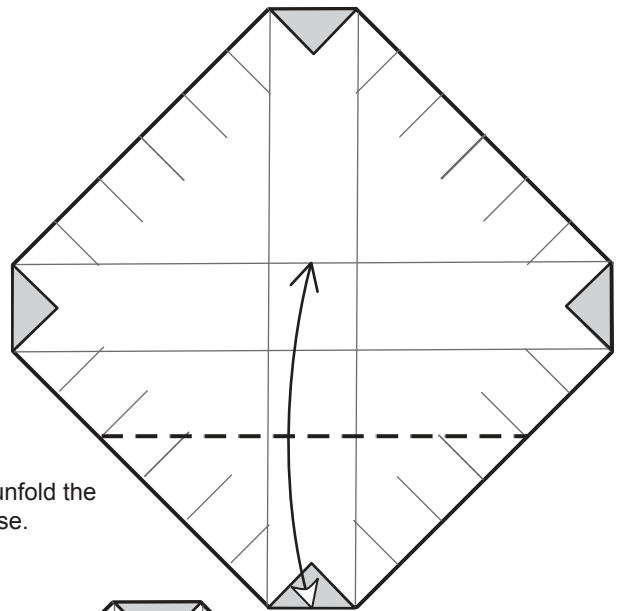
3. Valley fold and unfold diagonally again.



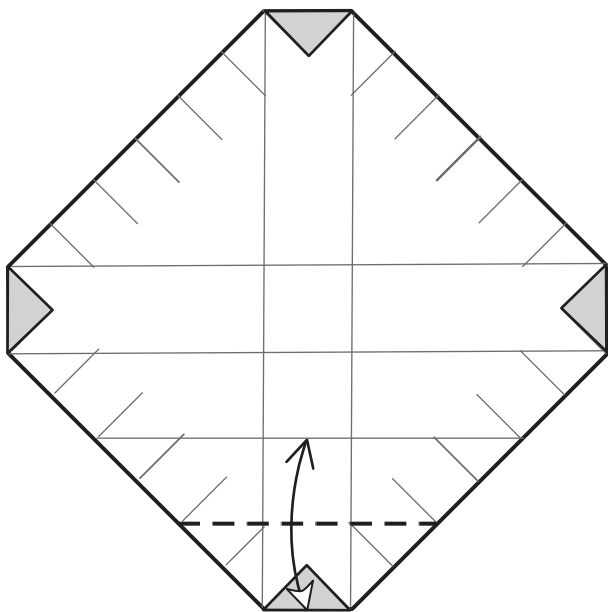
4. Repeat steps 2 and 3 on the other corner.



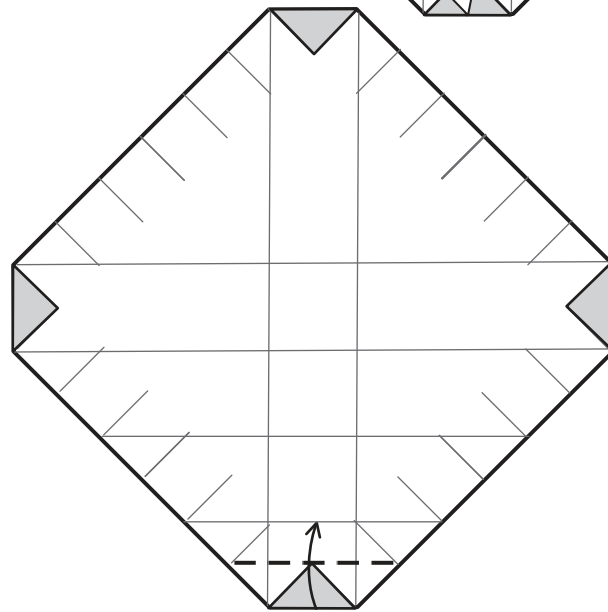
5. Valley fold the corners in 1/8. Rotate.



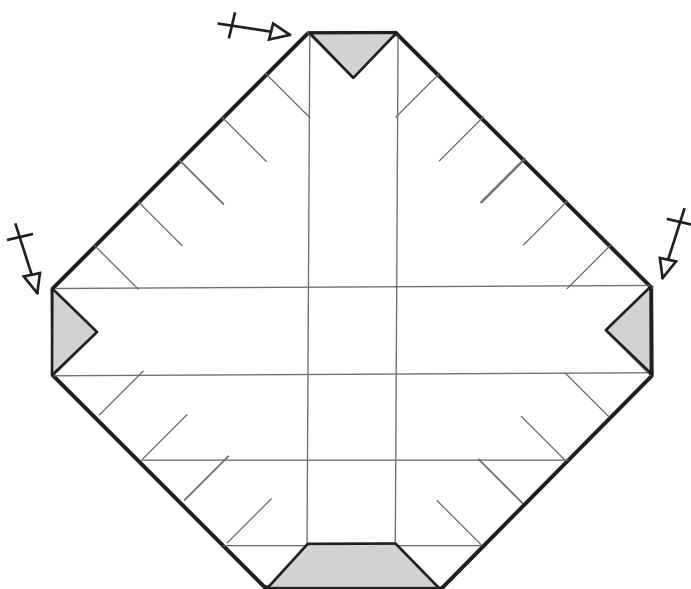
6. Valley fold and unfold the corner to the crease.



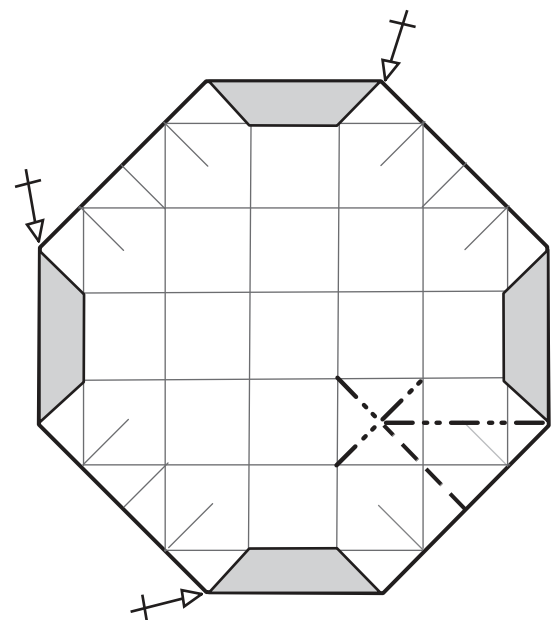
7. Valley fold and unfold to the crease just made.



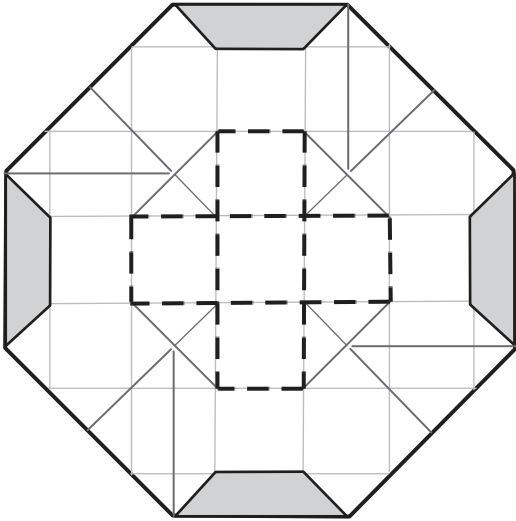
8. Valley fold to the crease just made.



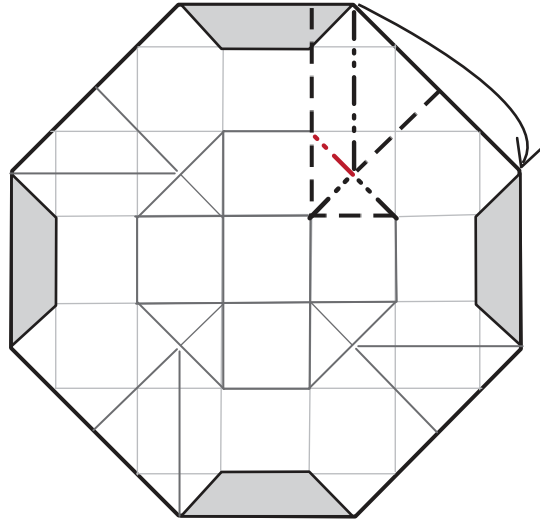
9. Repeat steps 6-8 on the other 3 corners.



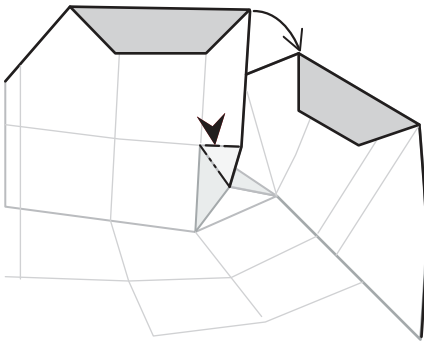
10. Crease as shown. Repeat on the other 3 corners.



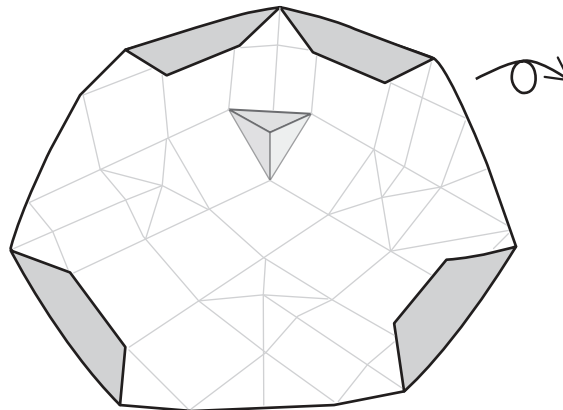
11. Reinforce the valley folds in the center.



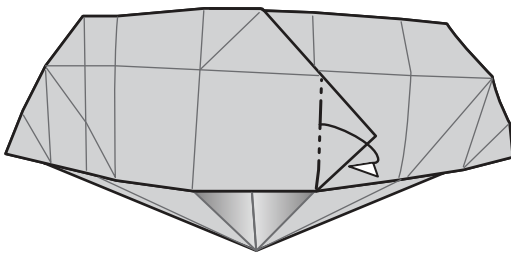
12. Collapse: Using existing creases, bring 2 corners together by mountain folding to the right (model becomes 3D), and forming a 3D pyramid by folding in on the red mountain crease.



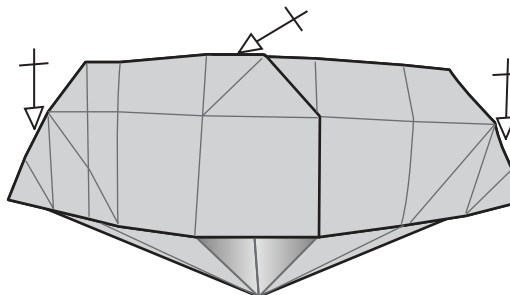
Step 12 in progress. Push down to form 3D pyramid while bringing the corners together.



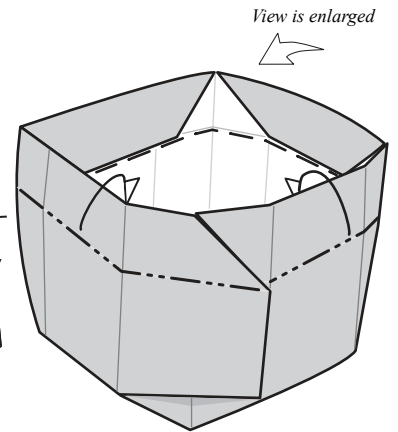
Step 12 complete. Turn over.



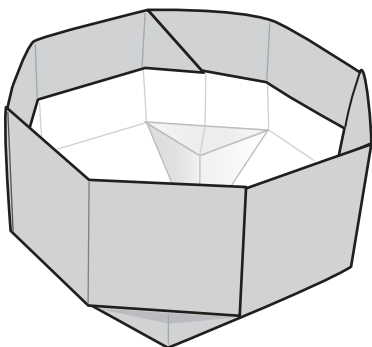
13. Mountain fold the flap to lock.



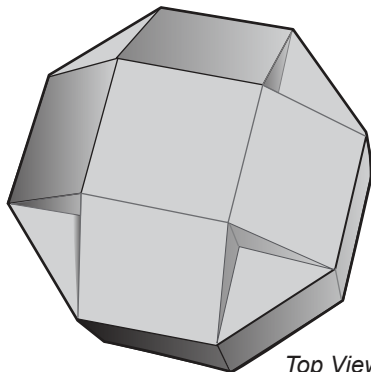
14. Repeat Steps 12-13 on the other 3 corners.



15. Mountain fold the rim in along the existing crease.



16. Top completed. Repeat all to make the bottom.



# Truncated Cuboctahedron Box

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