

Rhombicuboctahedron

Items needed:

28 pieces of cardstock cut into squares
Ruler
Pencil
Tape or glue
Scissors

Instructions:

- Create flaps on the squares by drawing a line $\frac{1}{2}$ " from the edge on each side of the square
- Cut the corners off the square where the lines meet
- Fold the flaps in towards the middle
- Create the triangle by drawing a line $\frac{1}{2}$ " from the edge of one side of the square
- Make two marks on the line $\frac{1}{2}$ " from the edge
- Figure out where the middle of the opposite edge is and make a mark $\frac{1}{2}$ " in from the edge
- Connect your three dots
- Draw a $\frac{1}{2}$ " line to either side of the triangle then cut along these lines - this should look like a triangle within a triangle at this point
- Cut across the edge of each angle to form the flaps
- Fold the flaps towards the middle
- Start your shape by laying five squares in a cross shape down with the flaps pointing upwards
- Tape the flaps on each square together, keeping it in the cross shape
- Fill in the spaces between the squares with triangles and tape them all together
- For the next layer, tape squares to the outer edges of all the shapes then tape the squares together
- The next layer repeats the first by alternating squares and triangles. Tapes these to the shape and then each other
- The last piece should be a square. Tape the square to one edge then use double sided tape or rolled over tape to attach the other three flaps
- Note: if you are using this to wrap a present, be sure to place the present inside before doing the last step