

INSTRUCTIONS FOR USE

STELLATED RHOMBIC DODECAHEDRON

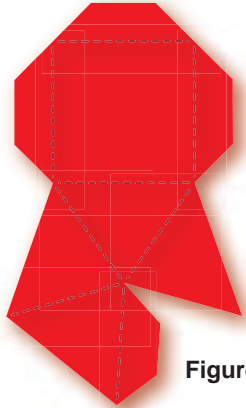


Figure A

1. Die-cut twenty four Pyramid 3D #1s out of multiple colors (Figure A).

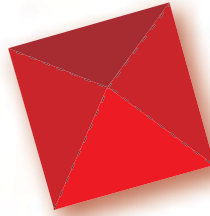


Figure B

2. Fold on the perforations and build all twenty four Pyramids using glue stick or double stick tape on the tabs (Figure B).
* For heavy usage, tape all outside edges securely. 3M's Tartan 305 -2" wide works well. Regular tape will break with repeated bending.

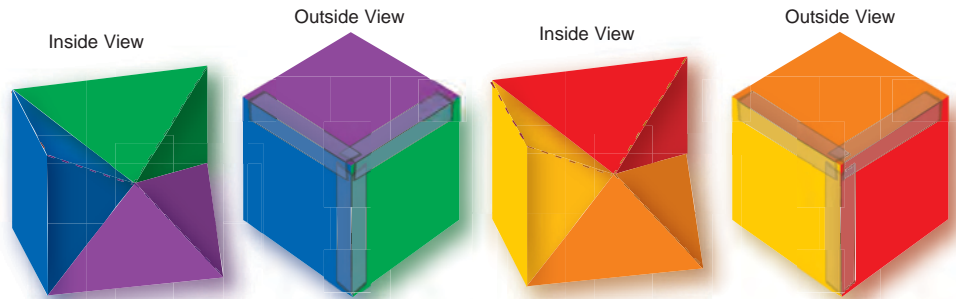


Figure C

3. Create 8 pods of 3 Pyramids each with top tips together. Reinforce all of the seams (Figure C). * Mirroring the colors creates nice patterns, but is not necessary.

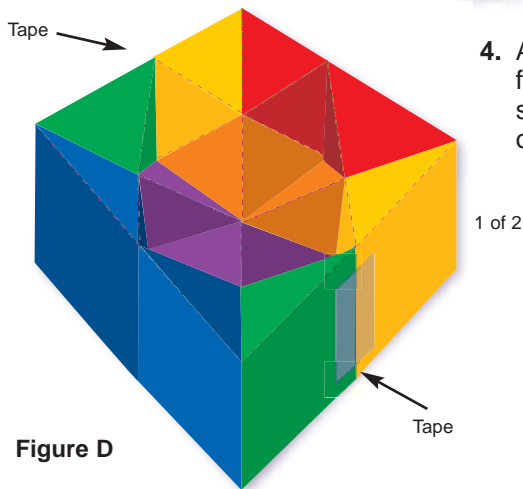


Figure D

4. Arrange the pods in two groups of four with the square Pyramid bases flat on the table and flat around the four edges. Tape the two opposite sides on each group of four (Figure D). Tape the same edge of their opposite side. These are the first four connections.

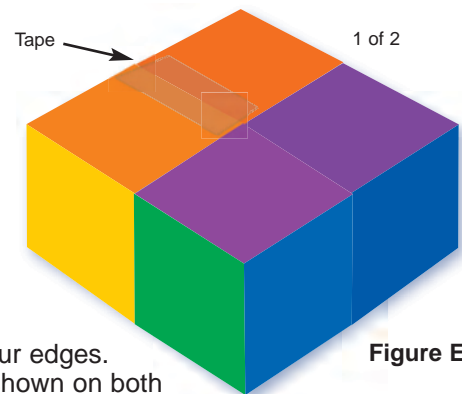
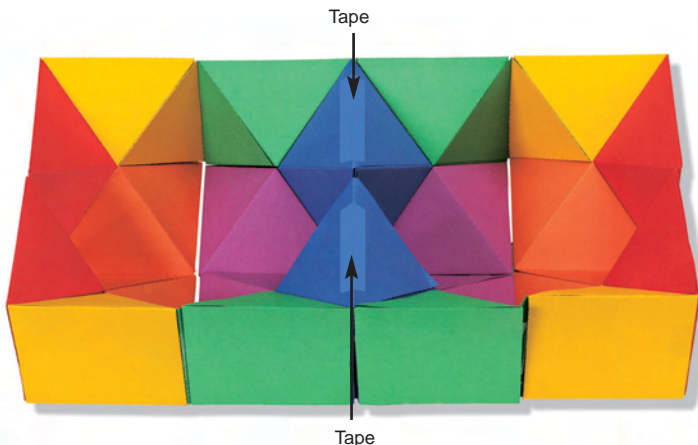


Figure E

5. Turn the Pyramids over so their bases are on top and flat around the four edges. There are still two groups of four pods. Tape the two pods together as shown on both groups of four (Figure E). Turn and tape the inside of these edges to strengthen the hinges. These are the fifth and sixth connection.



6. Turn over again with the bases down and tape the two groups together where the two sections come together as shown. Turn and tape the inside of these edges. These are the seventh and eighth connections. The completed project will be secured in eight places (Figure F).

Figure F

* Optional

7. Now flip the completed project into many configurations including a cube (Figure K), a rectangle (Figure J) and a stellated rhombic dodecahedron (Figure L). * For heavy use, apply two strips of tape on each side of the eight hinges.



Figure G

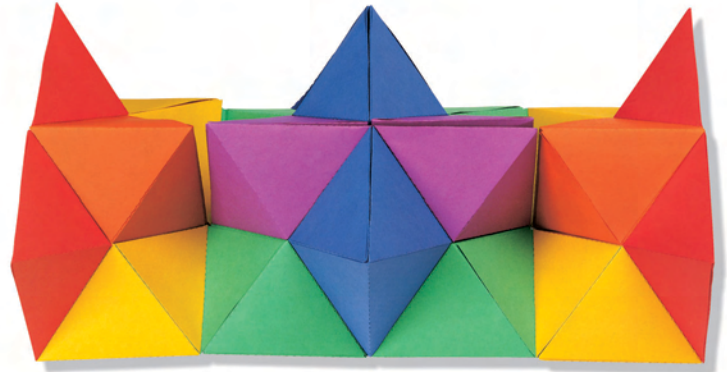


Figure H

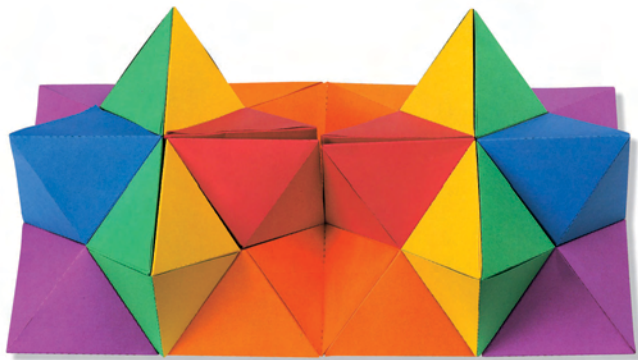


Figure I

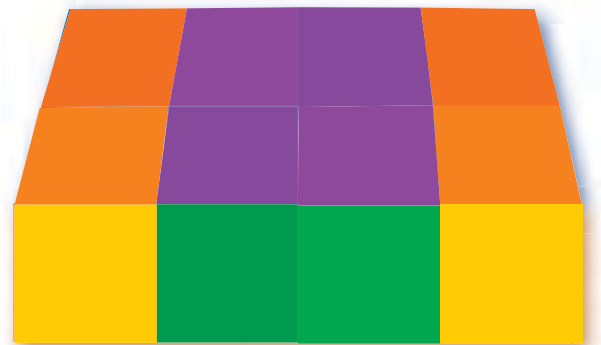


Figure J

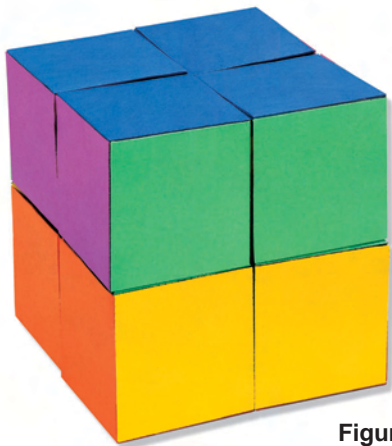


Figure K

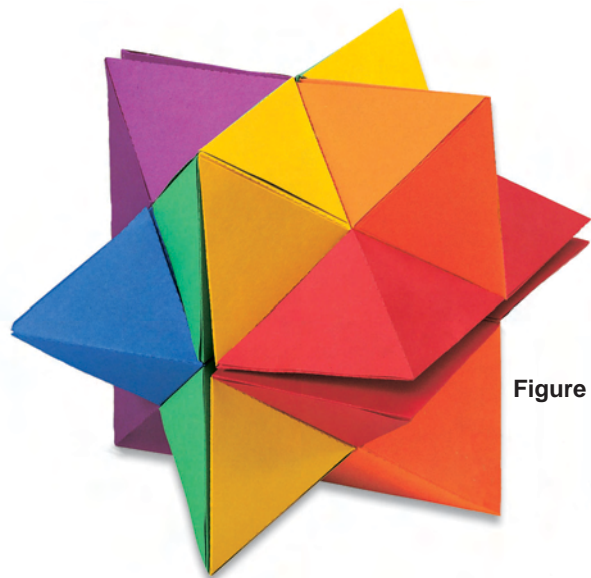


Figure L

* Optional

Ellison[®]

Your Partner in Creativity[®]



Ellison
 25862 Commercentre Drive ■ Lake Forest, CA 92630-8804
 U.S.A. 800-253-2238 ■ International 949-598-8822
 E-mail info@ellison.com ■ www.ellison.com

© 2.2003 Ellison 1159-011 Made in the U.S.A.



A Few Practical Suggestions

- Designate the side with the concave (inward-bending) perforations the "right" side of each pyramid net.
- Flatten all perforations on the "reverse" or "wrong" side of each pyramid net with your index finger.
- Sharpen the "v" in the notch that forms the apex of each pyramid with a couple of tiny clips with a pair of scissors. The slant edges will fold more accurately.
- Use rubber cement (recommended) or an extra-strength glue stick to join all tabs.
- Form each of the 8 pods of pyramids by gluing the appropriate triangular faces of the 3 pyramids to one another rather than taping square edges. Ensure that the top tips of the pyramids match.
- Use packaging or packing-case tape to hinge the pods. Strips of tape that are $1\frac{3}{8}$ inches long ($\frac{1}{2}$ inch less than the corresponding edges) are recommended.
- To prepare the strips of tape, print a few copies of the page that follows, then glue a piece of wax paper (at least 11 inches long) to each copy. In turn, cut two pieces of packing or packing-case tape (at least 11 inches long) and adhere each to the wax paper so that one edge lies along a heavy lengthwise line of the paper copy beneath. Cut along all hair lines through all layers with a stylus or single-edged razor blade. Slowly peel the strips of tape from the wax paper as required, approaching each from its uncut edge (along the heavy line).
- To begin a hinge, apply a strip of tape as per the instructions centering it lengthwise along the edge and allowing about $\frac{1}{16}$ inch space between the edges of the squares in question. To complete the hinge, flip the configuration to the opposite orientation (so the squares line up), press the corresponding triangular faces tightly together, and apply a strip of tape along the same edge.
- In steps 4 and 5, the second group of four pods is the mirror image of the first - including all three taped edges.

