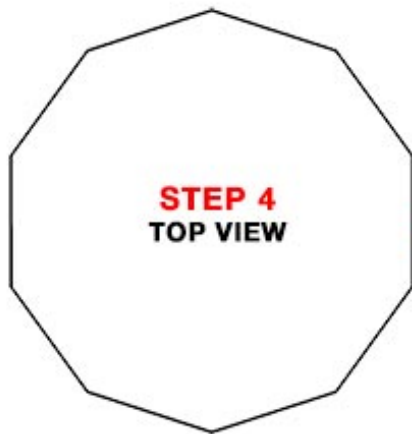


Build a Miniature Geodesic Dome – Instructions:

1. Cut 30 straws 8.2 cm long. With permanent marker, mark a long line on these straws. The long line indicates that these are “A” straws.
2. Cut 35 straws 9.3 cm long. These are “B” straws.
3. Follow the diagram in Figure DX.X to connect your straws. Use small pieces of tape to connect your straws at the corners.
4. Begin by taping together a circle of 10 “B” straws to form the base of the geodesic dome.
5. Tape one “A” straw and one “B” straw to each corner (where the 10 “B” straws are joined together) of the base.
6. Connect the tips of two “A” straws together to form a triangle. Repeat for all the other “A” straws. You should have 5 triangles.
7. Repeat step 6, using “B” straws.
8. Tape 10 “A” straws together to make another ring of straws. Tape the corners of this ring to the triangle tips you made in steps 6 and 7.
9. At the five corners that have only “A” straws, connect 1 more “A” straw. At the 5 corners that are connected to “B” straws, connect 2 more “B” straws.
10. Bring the “B” straws on either side of an “A” straw together. Three straws will be touching. Tape them together. Repeat this five more times around the dome.
11. Tape 5 “A” straws together to form a star. Tape a “B” straw between each point of the star, forming a pentagon with a star inside.
12. Tape the corners of the pentagon to the remaining open corners of the dome.

— A
— B



STEP 4
TOP VIEW

STEP 7
SIDE VIEW



SHOWS ONLY TWO TRIANGLES
THIS REPEATS ALL THE WAY
AROUND THE BASE



STEP 8
TOP VIEW



STEP 10
TOP VIEW

STEP 12
TOP VIEW COMPLETE

