

Christmas Tree

225 aluminum soda cans
16-gauge wire
Mini Christmas tree lights
Paper and pencil
Hole punch
Scissors
Ice Pick
Large Phillips head screwdriver
Marker
2 lawn stakes (5')



Draw a rectangle on a piece of paper 2" wide by 9" long. Draw a long line through the center of the paper. Measure and mark along the line from one end every $1\frac{3}{8}$ " creating six sections and $\frac{3}{4}$ " remaining at the end of the paper. Punch a hole in two adjacent marks. Skip one mark and punch a hole in the next two adjacent marks. Draw a 2" line on the last mark. Lap and glue one end of the paper to the other matching the end to the line.

Fit a can right side up into the paper circle. Using a marker, draw a line along the top edge of the paper, which is 2" up from the bottom of the can. Mark the four holes. Remove the paper from the can. Using the ice pick, poke a hole in the side of the can above the line. Poke the scissors through the hole and cut the can in half. Trim off the jagged edge and punch out the four holes.

Using the ice pick, poke a hole in the center of each can bottom. Using the Phillips head screwdriver enlarge the hole to fit a small Christmas tree light.

Arrange the cans in a tree shape with the following number of cans in each row: 1,2,3,4,5,6,3,4,5,6,7,8,5,6,7,8,9,10,7,8,9,10,11,12,9,10,11,12,13 and 14. (30 rows)

Working from the bottom of the tree to the top, slide the 16-gauge wire through the top two adjacent holes in one can in bottom row, then the bottom two adjacent holes in the can in the row directly above the first, and then the top two adjacent holes in the next can in the bottom row. Bend a loop in the end of the wire after reaching the last can in each row. Continue connecting the 30 rows by sliding the 16-gauge wire through the holes and bending the ends.



Push a Christmas tree light through the hole in the bottom of each can. Push the tree stake in the ground approximately 2' feet apart. Cross the stake at the top and wire together. Prop the tree against two 5' lawn stakes and secure with wire.