

Steps for Making a Hot Air Balloon

By Lou Loftin

STEP 1

Glue together three sheets of tissue paper that are (.51 m x .66 m) = (20" x 26") or two sheets of tissue paper that are (.51 m x .76 m) = (20" x 30") the long way with about a 2 cm overlap where glued. This will make one long panel 51 cm x 190 cm or 51 cm x 150 cm, depending on the size of tissue paper, (See diagram 1). You will need to do this six times so that you end up with six long tissue panels. Place all six panels on top of each other. Make sure that the tops are all aligned and measure down from the top 150 cm. Cut off the excess. (You will need to save the excess for patching the balloon later) You should end up with six panels that measure 51 cm x 150 cm each.

STEP 2

Fold the panels all at once in half the long way, hotdog style. At the top corner (where the fold is) measure a 30° angle from the fold, mark a line from the corner fold to the edge of the panel and cut off the excess tissue paper (See diagram 2). At the bottom, measure over 10 cm from the fold and mark a 120° angle from the fold, mark a line to the edge of the paper and cut off (See diagram 2).

STEP 3

Unfold the panels and glue the long edges of the sides to each other to make a large cylinder. Use a 2 cm glue overlap. (See Diagram 3)

STEP 4

Next, glue the top angles to each other so that it is completely enclosed (See diagram 4). Then, glue the bottom angles together (**not** the bottom flat edge). You should end up with a large opening in the bottom. Around the opening at the bottom of the balloon, glue a 5 cm wide strip of construction paper all the way around (this is called the skirt of the balloon).

Diagram # 1 Making of Panels

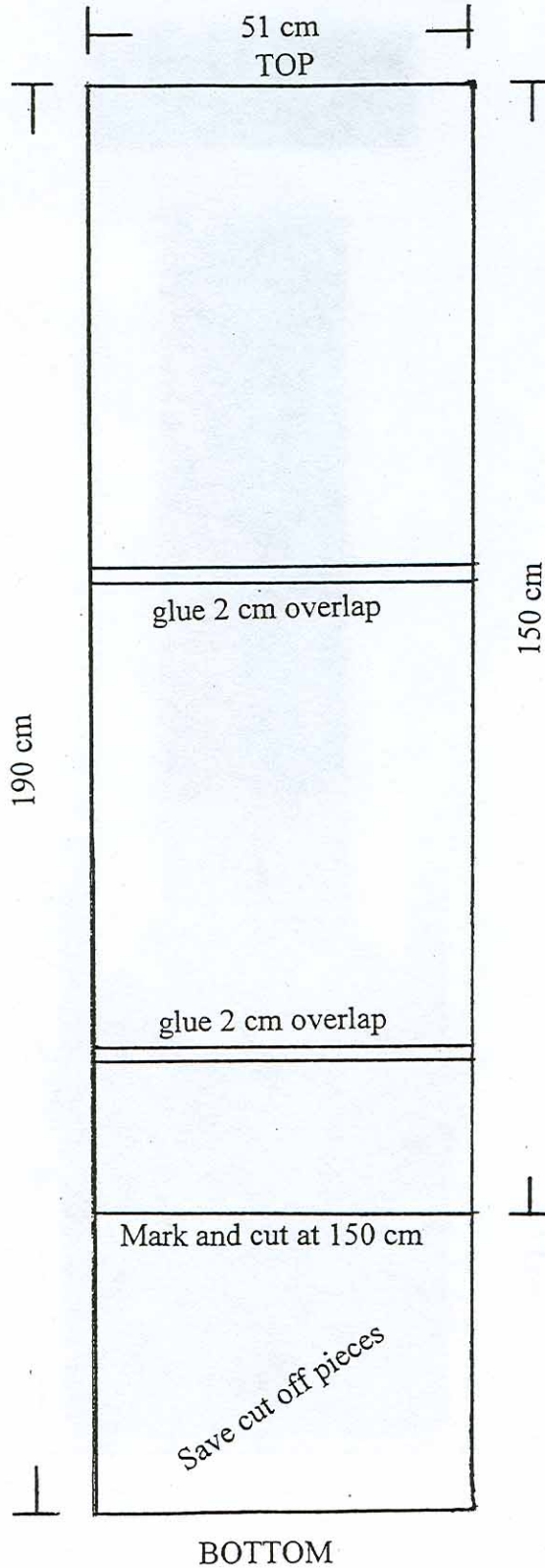


Diagram #2

Cutting of Panels

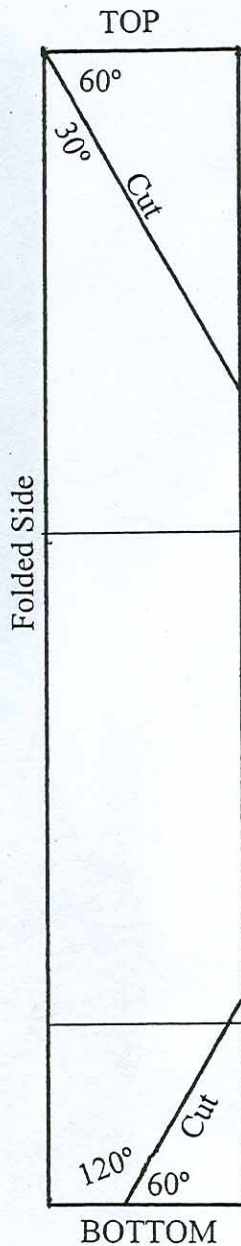
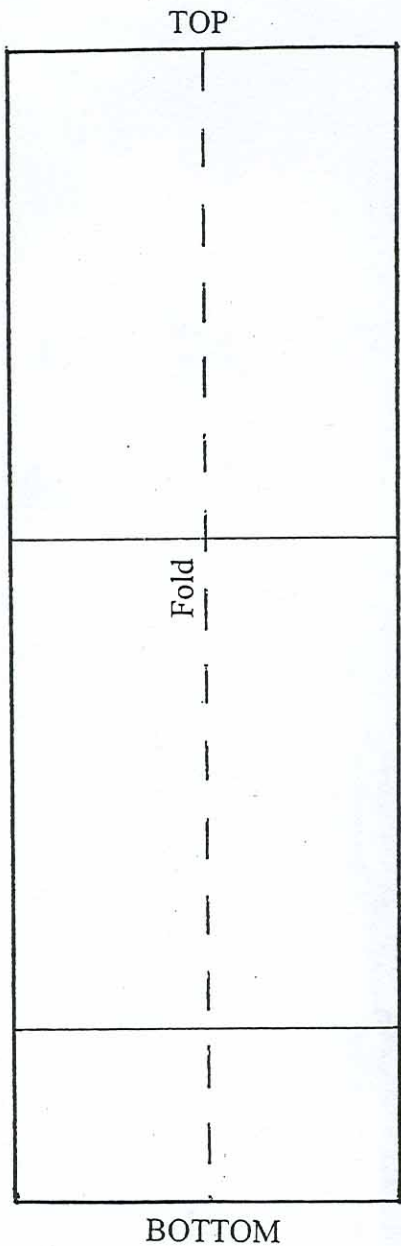
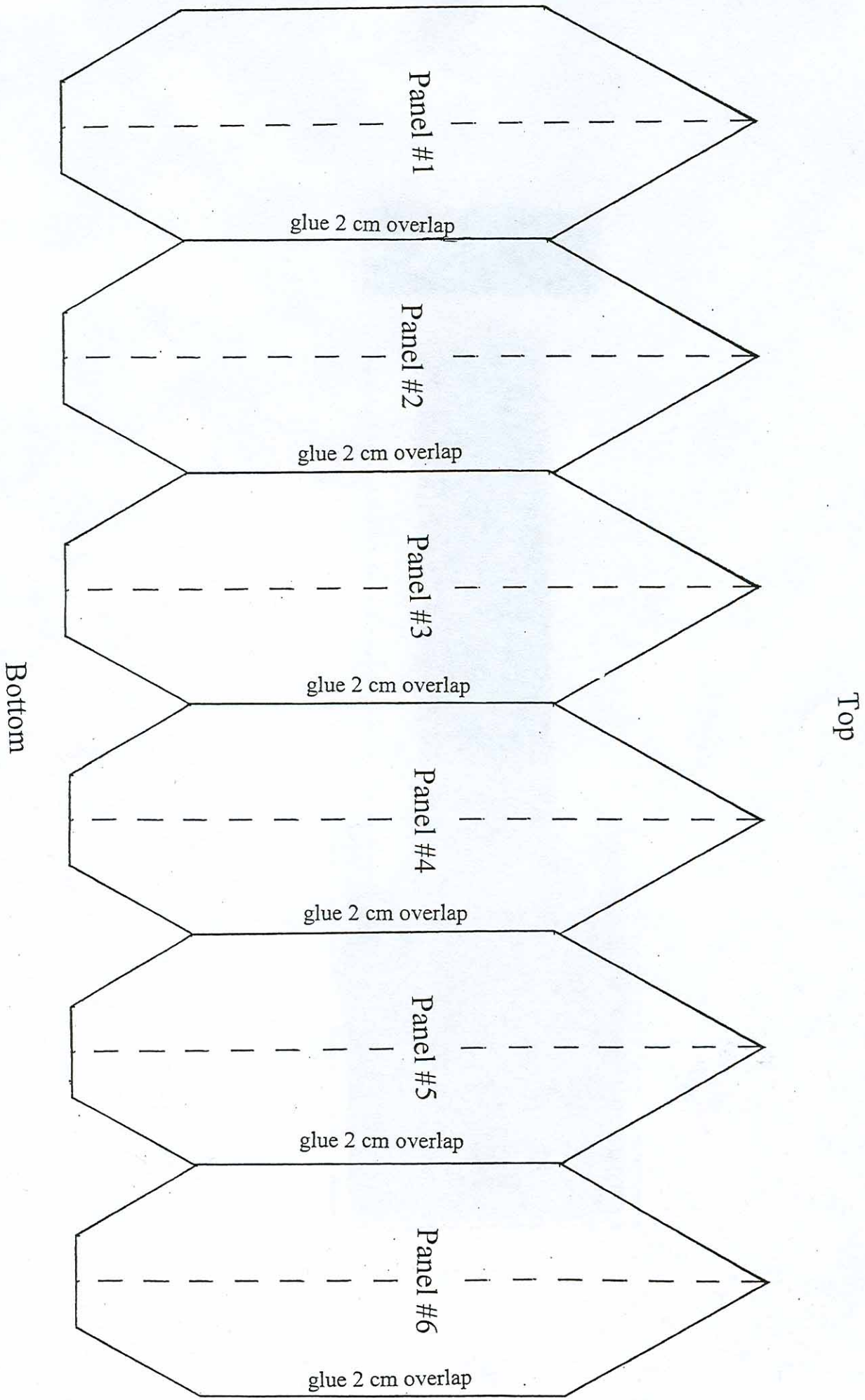


Diagram #3
Gluing Together Sides of Panels

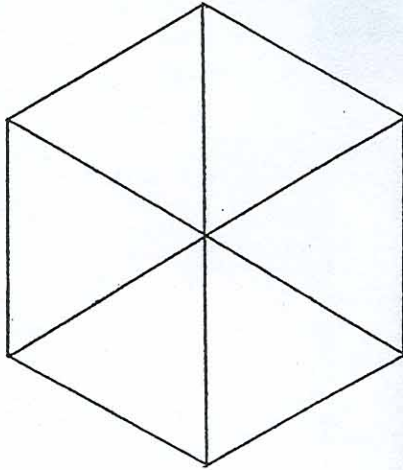


Take this edge over and glue it to panel #1

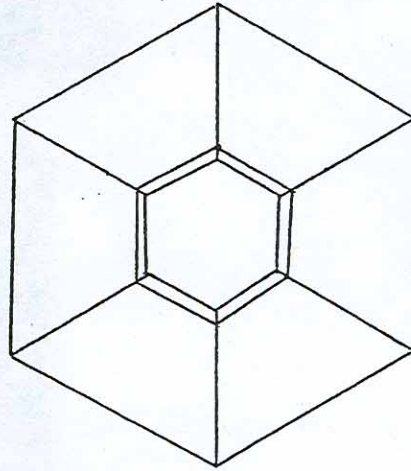
Diagram #4

Gluing Top, Bottom and Skirt of Balloon

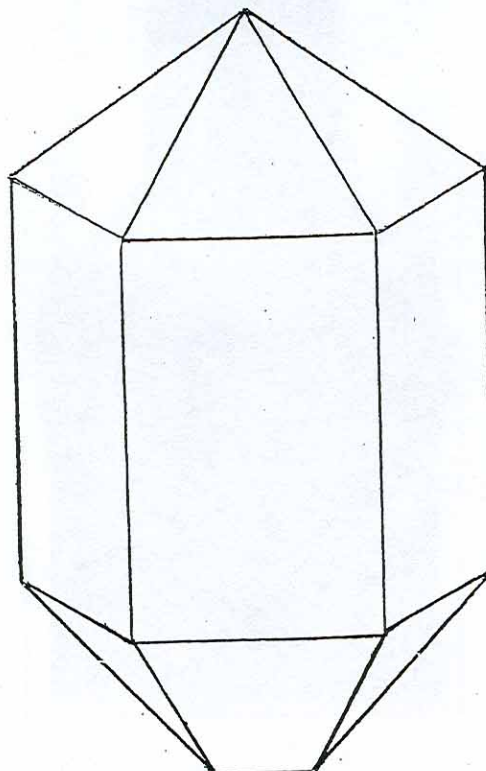
Top View



Bottom View



Top



Side View

5 cm

Bottom

Skirt