

<http://krokotak.com/2015/11/paper-giraffes-so-easy-to-make/>



Modified by Marcia Daft for the *Moving Through Math* Toy Story

The Three Grazing Giraffes **A Story about the Measurable Attribute of Height**

When the teacher tells the *Moving Through Math* tale, *The Three Grazing Giraffes – A Story about Height* the giraffes and their matching trees must be short, medium-height, and tall. These props must also be sturdy enough for children to use while retelling the story. For these reasons, I recommend making the giraffes/trees from sturdy manila folders (not paper) using the provided pre-measured templates.



This is what the trees and giraffes will look like when you use the provided templates.

STEP 1: Cut 3 sturdy manila folders in half and trim off the tabs so that you have 6 flat “sheets” of manila “paper.” You’ll only need to use 5 “sheets.”

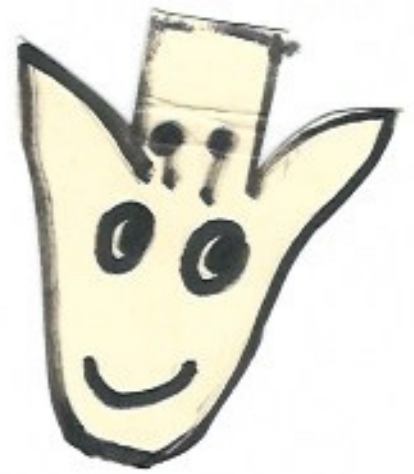
STEP 2: Photocopy the 5 template pages onto 5 flat “sheets” of manila “paper.”

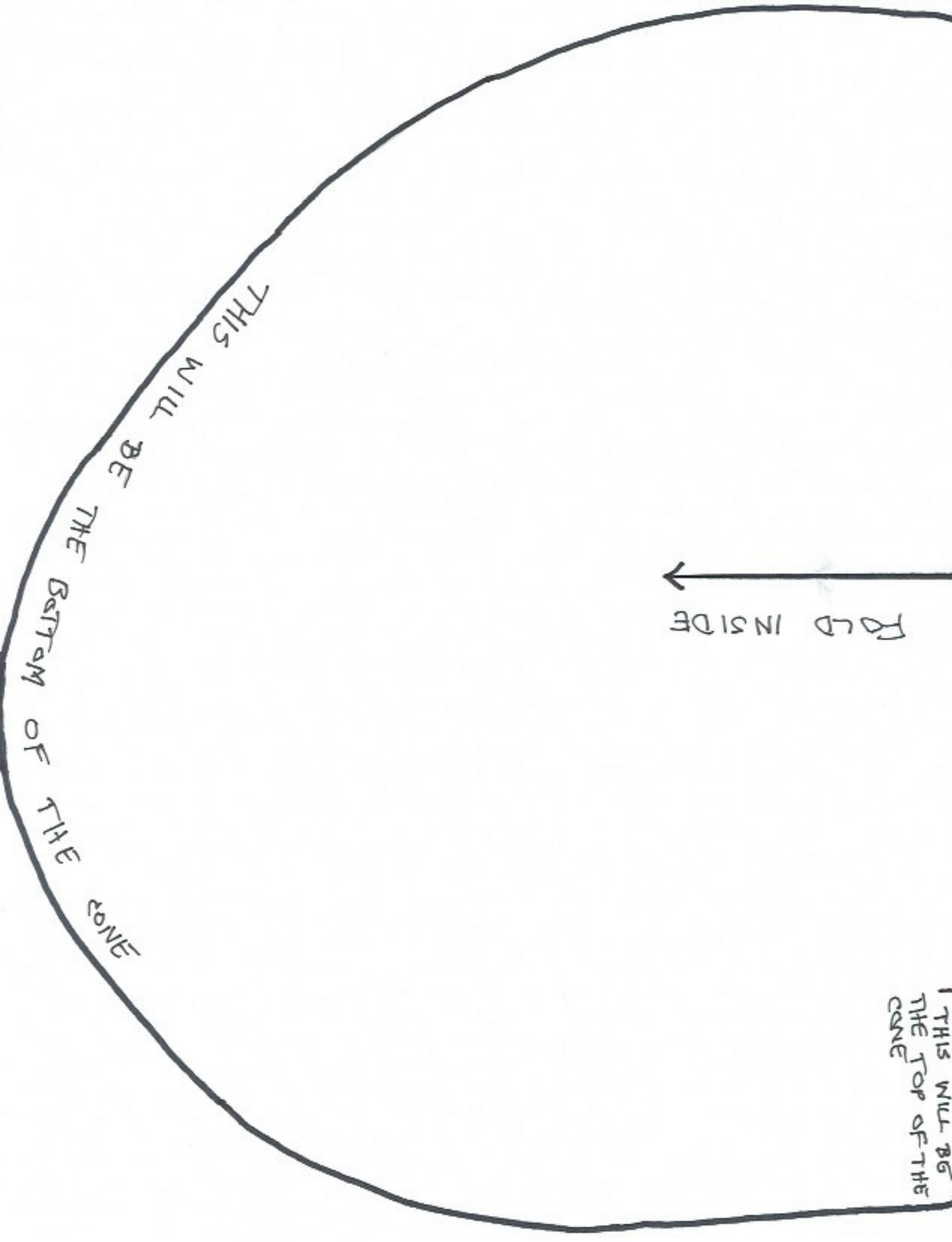
THIS WILL BE THE
TOP OF THE CONE

READ THIS INSIDE

THIS
WILL

BE THE BOTTOM
OF THE CONE

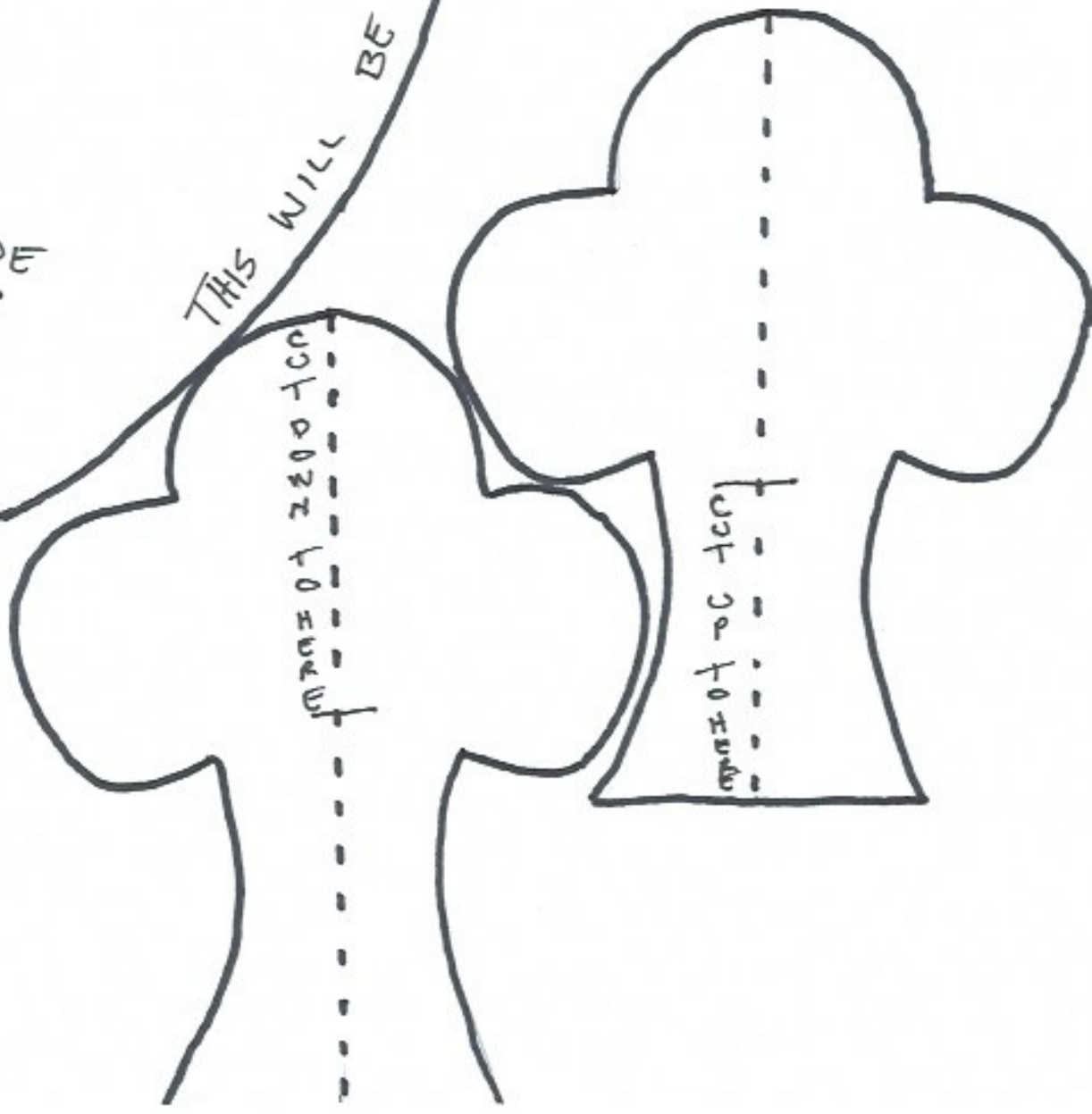
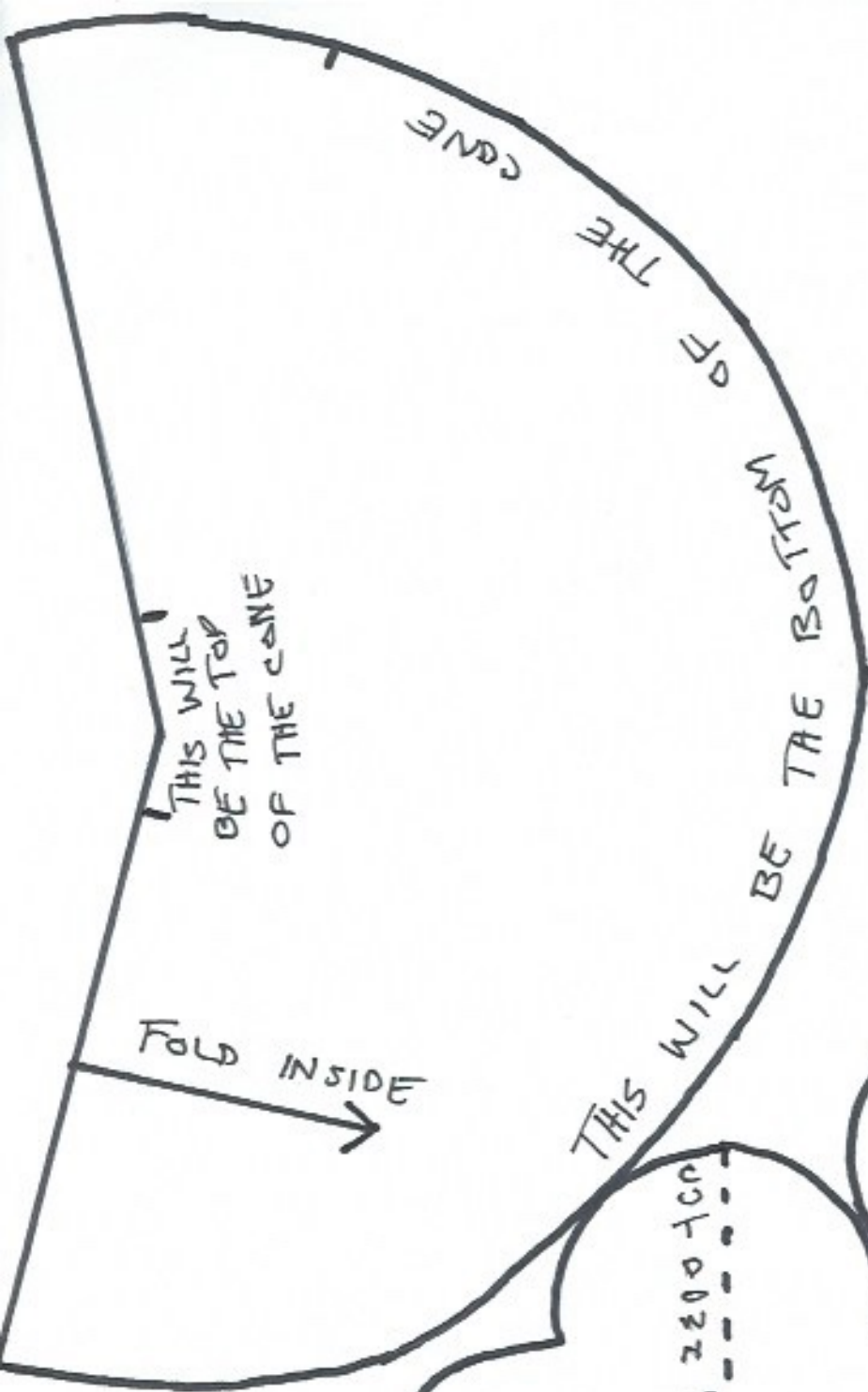


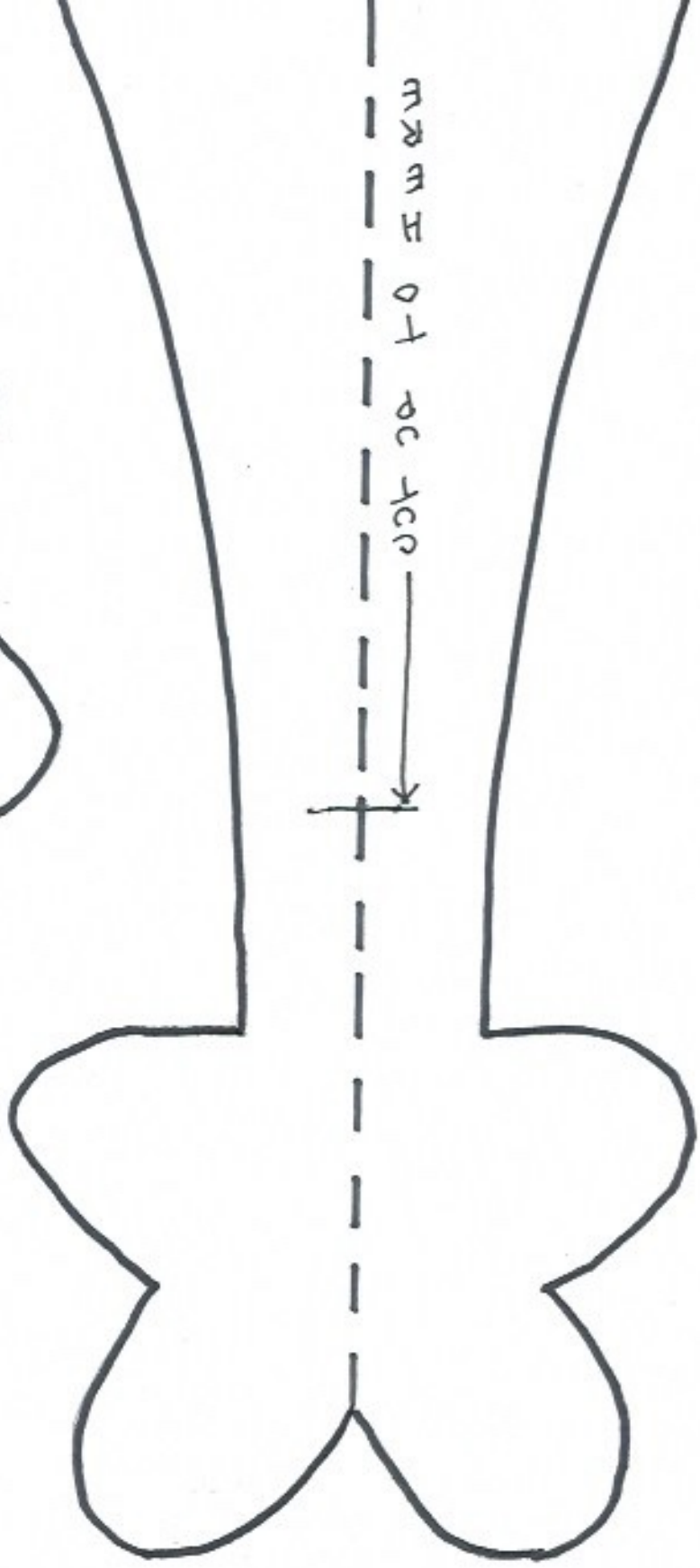
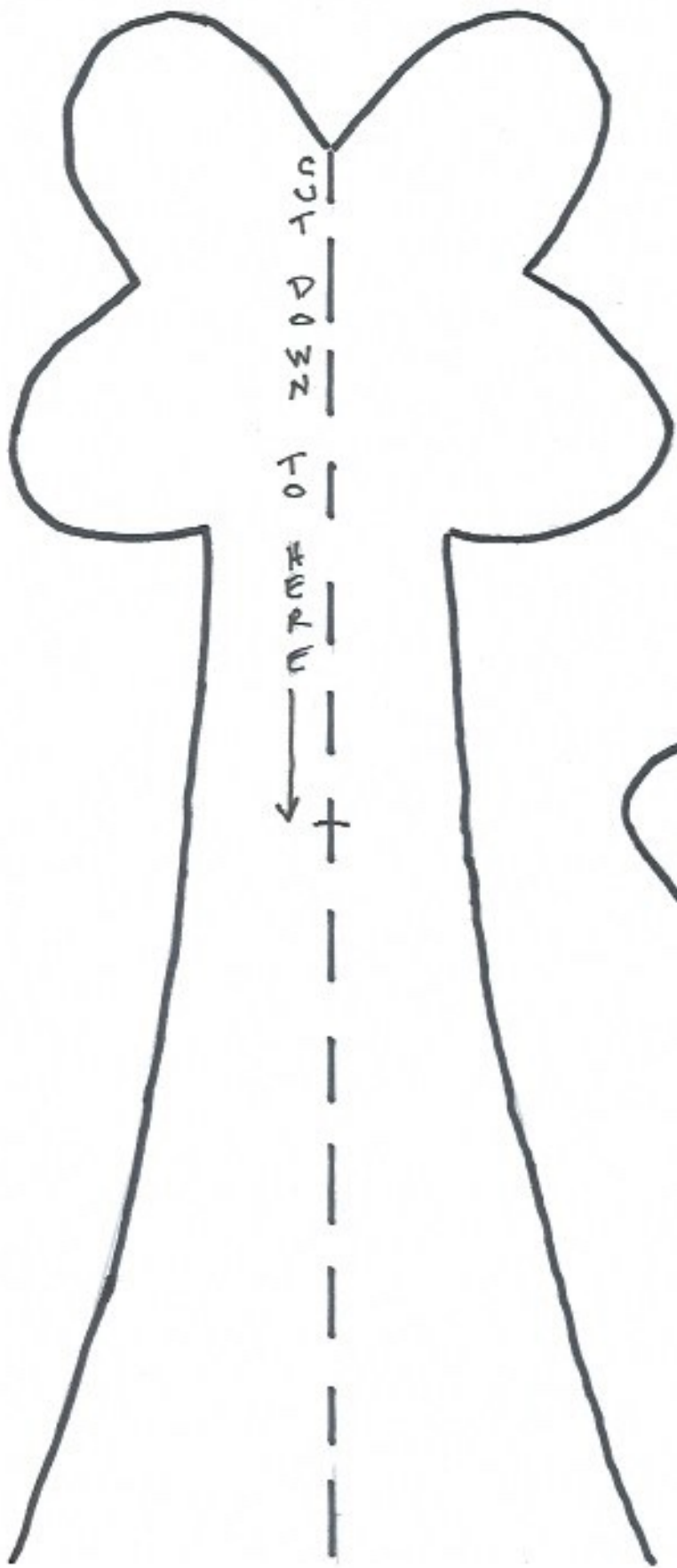


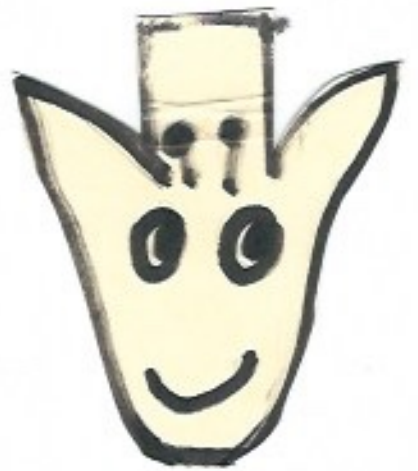
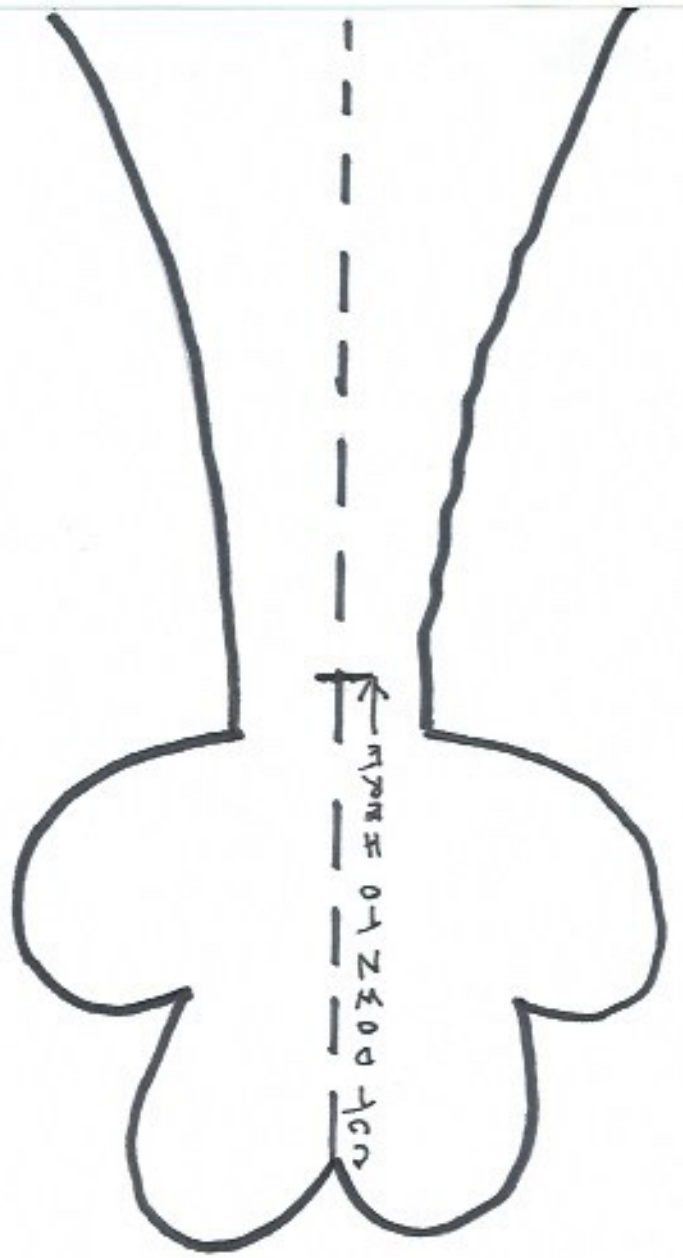
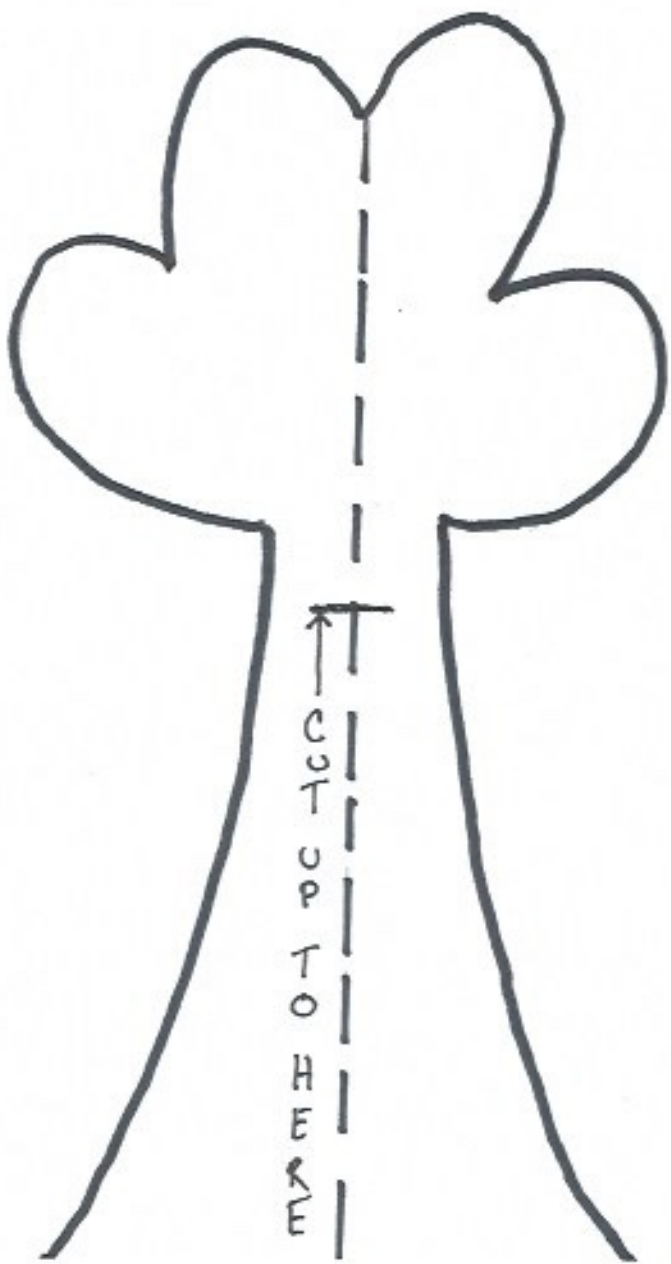
THIS WILL BE THE BOTTOM OF THE CONE

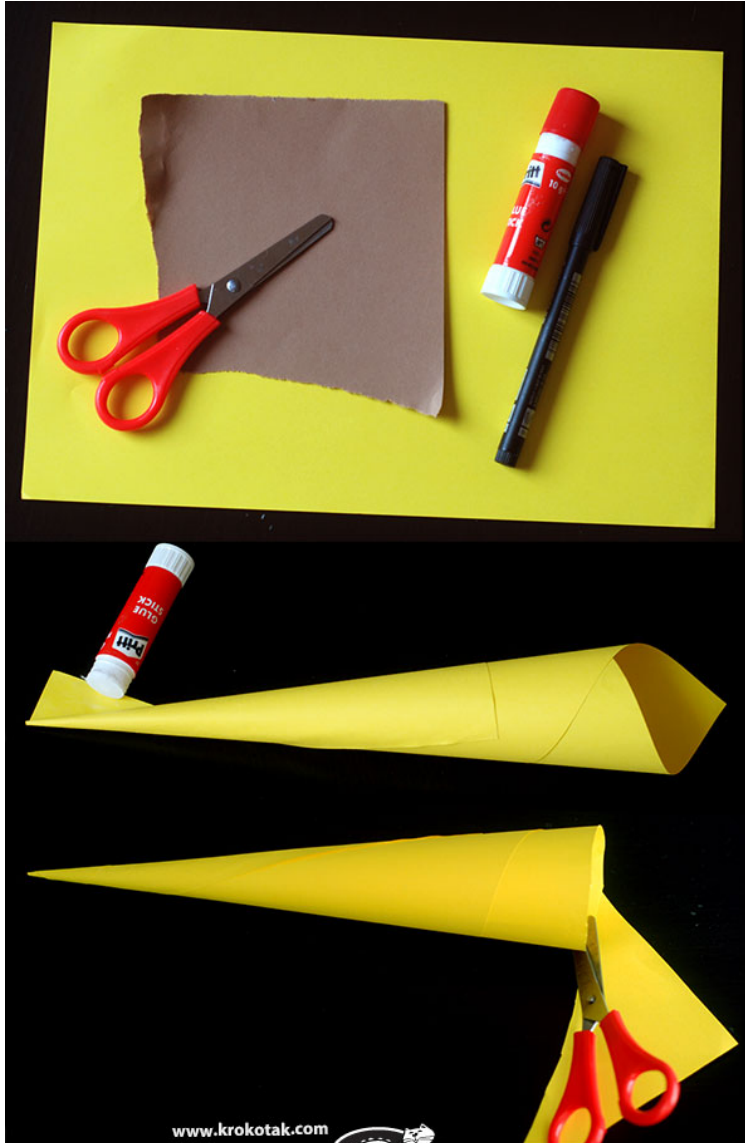
FOLD INSIDE

THIS WILL BE THE TOP OF THE CONE



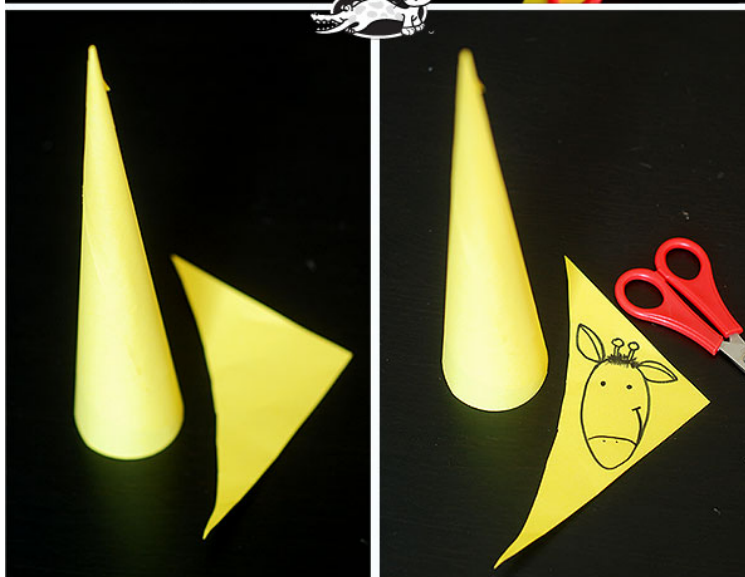






STEP 3: Cut out the three cones. Carefully follow the rolling directions on each cone so that you end up with the three correct heights. Staple or tape the seam. Glue (as shown on the left) is not strong enough to hold manila. If needed, slightly trim the bottom of each cone so that the giraffes stand up straight. The photos on the left show a lot of trimming needed at the bottom of the cone. You should not have to trim much since you are working from pre-measured templates.

The cones in these pictures are made of light construction paper, and roll to a sharp point at the top. Heavy manila paper will not roll to a point. There will be a circular opening at the top. You can see this in my page 2 photo.



STEP 4: Cut out the three giraffe heads. Fold back the tab on the top of each giraffe head and insert the tab into the circular hole at the top of each cone. Staple or tape the tab in place.



STEP 5: Rip a piece of brown paper into irregular squares and glue them to the cone. This is a great job for young students!

STEP 6: Cut out the six tree shapes. Each finished tree is made of two identical tree shapes, so keep the identical shapes together in pairs. You can see this in my photo. Carefully fold along the dashed line that runs vertically up the middle of each tree.

STEP 7: Cut along the dashed fold line specifically as directed. Each tree has two identical parts – on one part you will cut UP to marked line, on the other part you will cut DOWN to the marked line. Vertically slide the part that has been cut on the BOTTOM down onto the part that has been cut at the TOP. Your tree should stand. You can make the tree sturdier by taping the 90-degree angles on the tree's trunk. You can see this in my page 2 photo.

STEP 8: Paint the tree's trunk brown and paint the top of the tree green. Rip a piece of green paper into irregular shapes and glue the pieces to the top of the trees. This will look like leaves. This is a great job for students!

These props are surprisingly sturdy! They should survive small-group student retelling in your Storytelling Center. After teaching the story to the whole class, leave this story in the Storytelling Center throughout the time you are working on measurable attributes in mathematics.