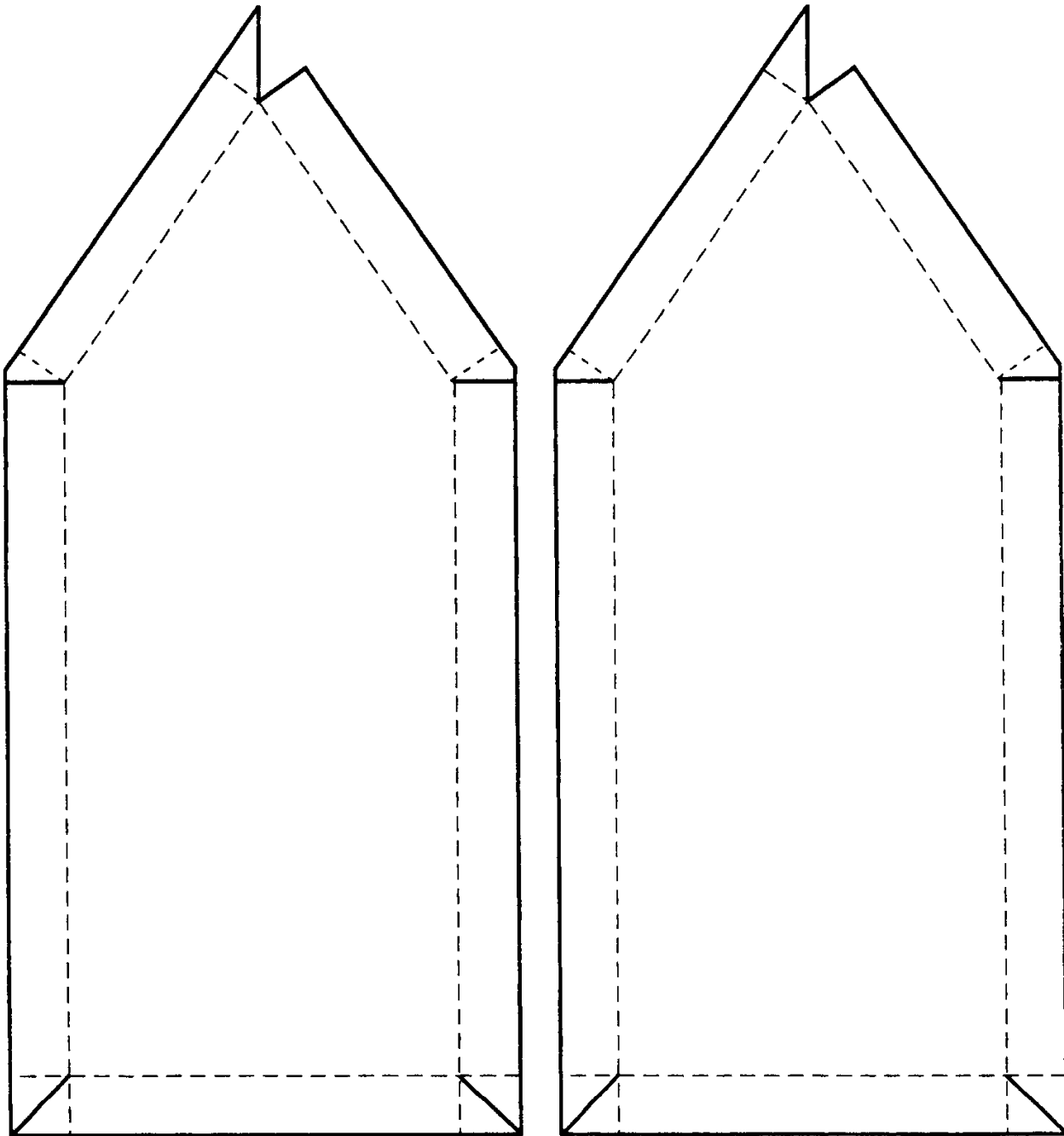
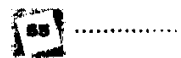


Skimmer Hull Pattern

Follow the directions on *Building the Skimmer Hull*.



Reproducible Master 4



Building the Skimmer Hull

Materials

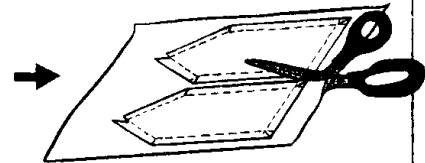
- Skimmer Hull Pattern
- scissors
- ballpoint pen
- masking tape

IMPORTANT: To build a skimmer that performs well, be sure to work *slowly* and *carefully*.

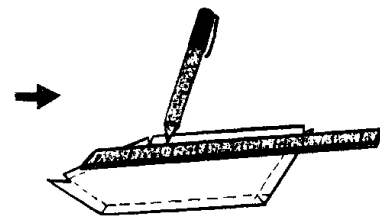
Procedure

1. Every other team, get a Skimmer Hull Pattern. Cut the two hulls apart and give one to another team.

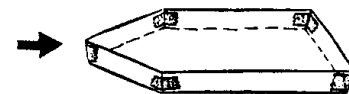
2. Each team, cut out the Skimmer Hull Pattern along the solid lines. Be especially careful at the corners.



3. To fold each dotted line:
 - a. Place a ruler on the dotted line.
 - b. Use a ballpoint pen to mark a heavy dark line over the dotted line.
 - c. Without moving the ruler, carefully fold up the skimmer's sides against the ruler.



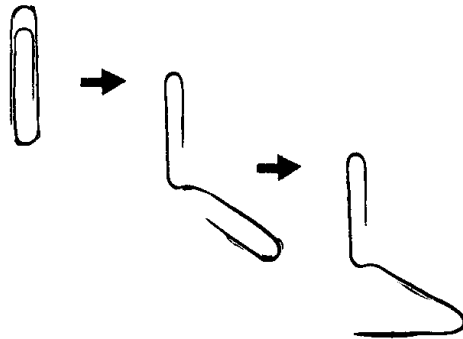
4. Holding the skimmer flat against the table, use small pieces of masking tape to tape the flaps closed. Be sure that no tape is touching the bottom of the skimmer.



5. Check to see that the bottom of the skimmer is flat against the table. If it is not flat, tape the corners again.

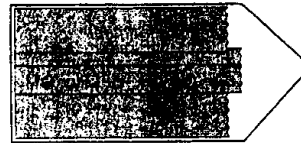
Making a Sail Stand

1. Pull the two loops of a large paper clip apart so that they form an "L" shape.

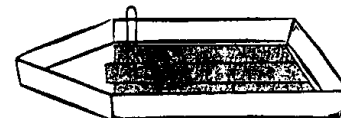


2. Open up the larger loop of the paper clip into a "V" shape.

3. Put three lengths of masking tape in the hull lengthwise. Mark a centimeter number line like this on the middle piece of masking tape:



4. Use a piece of masking tape to attach the V-shaped part of the stand to the skimmer.



5. To mount a sail, push the straw over the loop of the sail stand.

