

# Clothesline

This is a hands-on problem. In an actual tournament you would have one minute to select the five team members who would compete.

**This is a two-part problem. In part 1, you will have 5 minutes to develop your solution and practice. In part 2, you will be given 2 minutes to test your solution for score.** You may ask the judge questions at any time; however, time will continue.

**Your Problem Is: In Part 1, your team will use the materials on the table to create a clothesline-like structure that will connect these two chairs.** (*indicate chairs*) You may use the scissors to help with the construction of your solution, but they may not be part of the final structure. **The chairs may not leave the taped areas in which they currently sit.** (*indicate taped areas*) **The clothesline structure, when completed, may not touch anything but the two chairs. In Part 2, you will use the clothespins to hang various pieces of clothing onto your clothesline structure for score. In order to be eligible for score, each hung piece of clothing may not touch anything but the clothespins. They may not touch the clothesline, the floor, the chairs, the team members, or any other pieces of clothing.**

You will be scored as follows:

For every piece of clothing that is successfully hung, you will receive the point value marked on that piece of clothing.

For every inch in length of the clothesline structure: 1 point

How well your team works together: 1-15 points

The creativity of your solution: 1-25 points

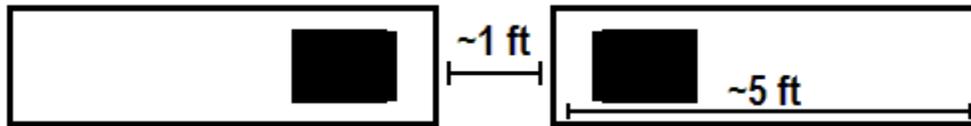
Repeat items in **bold**. Begin by saying 'I repeat:'

*Part 1: 5 minutes*

*Part 2: 2 minutes*

**FOR JUDGES ONLY:**

Get a wide space in which to work this problem. For marking out the taped chair areas, use the following diagram:



The width of the areas should be about three inches wider than that of the chairs used.

For Part 1, give the team a set of construction materials, along with a pair of scissors. The following list may be helpful:

2 12" pieces of string

8 mailing labels

15 paper clips

5 unsharpened pencils

2 paper cups

3 pieces of 8.5"x11" paper

1 36" yardstick

1 small plastic bag

3 plastic forks

For Part 2, give the team fifteen clothespins. Find eight or ten old (preferably clean!) pieces of clothing, in various sizes, and write in marker or pin/tape a note to each item, clearly displaying the point value. The point value should be low for small items and high for large items. A sample list, with point values in parentheses:

2 Small socks (4)

Washcloth (5)

Large sock (7)

Toboggan (10)

Dishrag (12)

Baseball cap (15)

Gym shorts (18)

T-shirt (20)

Pair of jeans (30)