APPRAISER COPY

# Instant Challenge

Entry and Advanced Levels

# Cup Holder

**Challenge:** Your **TASK** is to create a structure that holds two cups as high as possible and as far apart as possible.

**Time:** You will have up to 5 minutes to use your IMAGINATION to create a structure and then up to 1 minute to place the cups on it for score.

**Set-up:** In the middle of the room are two cups and a taped square. In addition, there is a table with materials.

## Procedure:

•**Part One** (5 minutes): Use the materials to create s structure that will hold the two cups as high as possible and as far apart as possible. You may practice placing the cups on the structure in Part One. However, in order to proceed to Part Two, you must take the cups off the structure. You will be warned when you have one minute remaining and 30 seconds remaining in Part One.

•**Part Two** (1 minute): Place the cups on the structure for score. **No team member may touch the structure when the cups are being placed.** If you did not have a structure at the end of Part One, you may continue working on your structure in Part Two. After the structure supports the cups for ten seconds without the assistance of a team member, the Appraisers will measure the height of the cups above the table and the distance they are apart.

## Materials

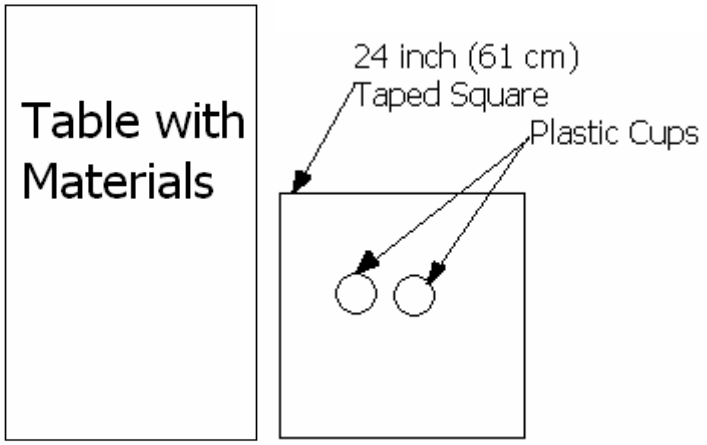
**6 Straws** **1 Sheet of Paper** **3 Mailing Labels** **2 Pieces of String**
**1 Envelope** **5 Pennies** **1 Piece of Foil** **2 Paper Clips**
**2 Chenille Sticks**
The mailing labels mat not be attached to the floor.

**Scoring:** You will receive
A. 10 points if you have a structure at the end of Part One.
B. 20 points for how creatively your team used the materials.
C. 1 point for each inch (2.5 cm) each cup is from the floor.
D. 2 points for each inch the cups are apart.
E. Up to 20 points for how well your team works together.

Cup Holder

## For Appraisers Only:

1. The set-up consists of 2 plastic cups and a taped square. There is also a table with materials.




2. Be sure to warn the team when there is 1 minute remaining and 30 seconds remaining in Part One.
3. The cups do not need to be held at the same height as long as they are supported by the structure.
4. If both cups are not supported by a single structure the team may only receive points for the cup that is held the highest. They may not receive points for the distance between the two cups.
5. If a team member touches the structure while placing the cups during Part Two, they should be warned and any points the team may have gained as a result should not be awarded.

TEAM COPY

# Cup Holder

**Challenge:** Your **TASK** is to create a structure that holds two cups as high as possible and as far apart as possible.

**Time:** You will have up to 5 minutes to use your IMAGINATION to create a structure and then up to 1 minute to place the cups on it for score.

**Set-up:** In the middle of the room are two cups and a taped square. In addition, there is a table with materials.

## Procedure:

**Part One** (5 minutes):

- Use the materials to create s structure that will hold the two cups as high as possible and as far apart as possible.
- You may practice placing the cups on the structure in Part One. However, in order to proceed to Part Two, you must take the cups off the structure.
- You will be warned when you have one minute remaining and 30 seconds remaining in Part One.

**Part Two** (1 minute):

- Place the cups on the structure for score.
- **No team member may touch the structure when the cups are being placed.**
- If you did not have a structure at the end of Part One, you may continue working on your structure in Part Two.
- After the structure supports the cups for ten seconds without the assistance of a team member, the Appraisers will measure the height of the cups above the table and the distance they are apart.

**Scoring:** You will receive

A. 10 points if you have a structure at the end of Part One.
B. 20 points for how creatively your team used the materials.
C. 1 point for each inch (2.5 cm) each cup is from the floor.
D. 2 points for each inch the cups are apart.
E. Up to 20 points for how well your team works together.

Cup Holder

# Materials:

(Tape to Table)

6 Straws
1 Sheet of Paper
3 Mailing Labels
2 Pieces of String
1 Envelope
5 Pennies
1 Piece of Foil
2 Paper Clips
2 Chenille Sticks

The mailing labels may not be attached to the floor.