APPRAISER COPY

# Instant Challenge

Entry Level

# Show Some Restraint

**Challenge:** Your **TASK** is to create a hanging device that will not break when it is dropped and that will hold as many marbles as possible.

**Time:** You will have up to 5 minutes to use your IMAGINATION to create your device, up to 30 seconds to drop it for score, and up to 2 minutes to add marbles for score.

**Set-up:** In the middle of the room is a table with a peg. In addition, there is a table with materials.

## Procedure:

•**Part One** (5 minutes): Use the materials to create your hanging device. The device must be attached to the peg. You may practice dropping your device in Part One, however this will not receive score in Part One. In order to proceed to Part Two, you must have a device attached to the peg by the end of Part One.

•**Part Two** (30 seconds): Drop your device for score. A team member should lift the device above the peg and drop it. At the end of Part Two, the Appraisers will measure the distance between the bottom of the device and the peg. This measurement will only receive score if the device is not touching the floor at the end of Part Two. In order to proceed to Part Three your device may not be touching the floor at the end of Part Two.

•**Part Three** (2 minutes): Add marbles to your device for score. In order to receive score, the device must hold a marble without touching the floor and without a team member touching it for ten seconds.

## Materials:

| | | | | |
|---|---|---|---|---|
| **1 Piece of String** | **1 Piece of Foil** | **3 Straws** | **5 Mailing Labels** | **Scissors** |
| **1 Piece of Paper** | **2 Rubber Bands** | **3 Cards** | **2 Chenille Sticks** | **5 Marbles** |

The mailing labels may NOT be attached to the peg or the marbles. The scissors may not be altered and may not be part of your device.

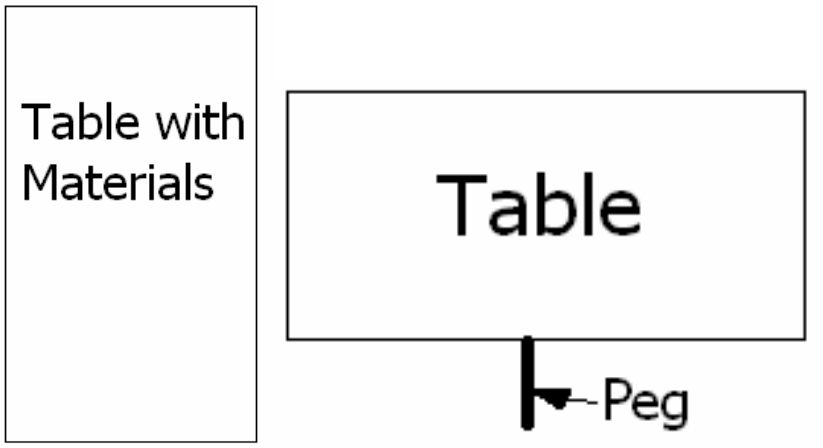
## Scoring: You will receive

A. 1 point for each inch (2.5 cm) the device is from the peg.
B. 5 points (25 points maximum) for each marble held by your device.
C. Up to 30 points for how creatively you use the materials.
D. Up to 20 points for how well your team works together.

Show Some Restraint

## For Appraisers Only:

1. The set-up consists of a table with a peg. The peg should be as close to 26 inches (66 cm) from the floor as possible. The peg can be a pencil taped to the table. There is also a table with materials.




3. To receive score for A and B, the device and marbles may not be touching the floor.

TEAM COPY

# Show Some Restraint

**Challenge:** Your **TASK** is to create a hanging device that will not break when it is dropped and that will hold as many marbles as possible.

**Time:** You will have up to 5 minutes to use your IMAGINATION to create your device, up to 30 seconds to drop it for score, and up to 2 minutes to add marbles for score.

**Set-up:** In the middle of the room is a table with a peg. In addition, there is a table with materials.

## Procedure:

**Part One** (5 minutes):

- Use the materials to create your hanging device.
- The device must be attached to the peg.
- You may practice dropping your device in Part One, however this will not receive score in Part One.
- In order to proceed to Part Two, you must have a device attached to the peg by the end of Part One.

**Part Two** (30 seconds):

- Drop your device for score.
- A team member should lift the device above the peg and drop it.
- At the end of Part Two, the Appraisers will measure the distance between the bottom of the device and the peg.
- This measurement will only receive score if the device is not touching the floor at the end of Part Two.
- In order to proceed to Part Three your device may not be touching the floor at the end of Part Two.

**Part Three** (2 minutes):

- Add marbles to your device for score.
- In order to receive score, the device must hold a marble without touching the floor and without a team member touching it for ten seconds.

**Scoring:** You will receive

A. 1 point for each inch (2.5 cm) the device is from the peg.
B. 5 points (25 points maximum) for each marble held by your device.
C. Up to 30 points for how creatively you use the materials.
D. Up to 20 points for how well your team works together.

Show Some Restraint

# Materials:

(Tape to Table)

1 Piece of String
1 Piece of Foil
3 Straws
5 Mailing Labels
Scissors
1 Piece of Paper
2 Rubber Bands
3 Cards
2 Chenille Sticks
5 Marbles

The mailing labels may NOT be attached to them peg or the marbles. The scissors may not be altered and may not be part of your device.

APPRAISER COPY
(Entry Level also available)

Instant Challenge
Advanced Level

# Show Some Restraint

**Challenge:** Your **TASK** is to create a device that will hold marbles close to the floor and will not break when the marbles are dropped.

**Time:** You will have up to 5 minutes to use your IMAGINATION to create your device and then up to 2 minutes to drop it for score.

**Set-up:** In the middle of the room is a table with a peg. In addition, there is a table with materials.

## Procedure:

•**Part One** (5 minutes): Use the materials to create your marble-holding device. The device must be attached to the peg. The device should hold marbles as close to the floor as possible. You may practice dropping your device in Part One, however this will not receive score in Part One. In order to proceed to Part Two, you must have a device attached to the peg by the end of Part One.

•**Part Two** (2 minutes): Drop your device for score. A team member should lift the device with the marbles above the peg and drop it. **No team member may touch the device or the marbles after the device is dropped during Part Two.** At the end of Part Two, the Appraisers will measure the distance between the marbles in the device and the peg. This measurement will only receive score if the device and the marbles are not touching the floor at the end of Part Two. Likewise, the number of marbles held will only receive score if they are contained by the device and neither the marbles nor the device is touching the floor at the end of Part Two.

## Materials:

**1 Piece of String** **1 Piece of Foil** **3 Straws** **5 Mailing Labels** **Scissors**
**1 Piece of Paper** **2 Rubber Bands** **3 Cards** **2 Chenille Sticks** **5 Marbles**

The mailing labels may NOT be attached to the peg or the marbles. The scissors may not be altered and may not be part of your device.

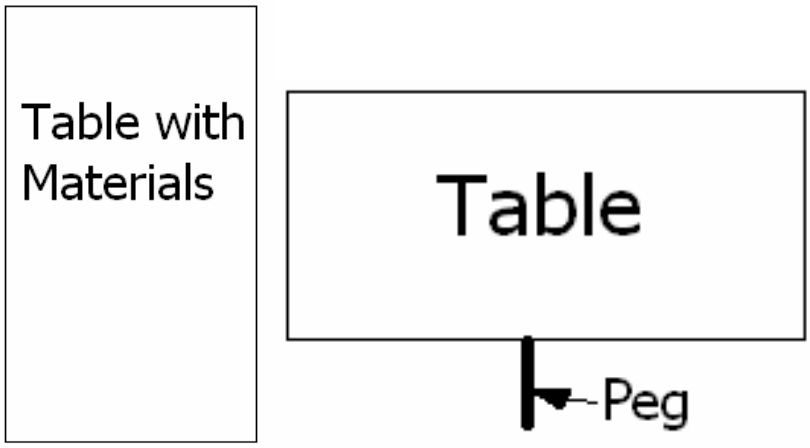
## Scoring: You will receive

A. 5 points (25 points maximum) for each marble held by your device.
B. 1 point for each inch (2.5 cm) the device is from the peg.
C. Up to 30 points for how creatively you use the materials.
D. Up to 20 points for how well your team works together.

Show Some Restraint

# For Appraisers Only:

1. The set-up consists of a table with a peg. The peg should be as close to 25 inches (63.5 cm) from the floor as possible. The peg can be a pencil taped to the table. 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. If a team member touches the device or the marbles after the device is dropped during Part Two, they should be warned and any points the team may have gained as a result should not be awarded.
4. To receive score for A and B, the device and marbles may not be touching the floor.
5. The number of marbles held should be the number of marbles that are in the device at the end of Part Two.

TEAM COPY

# Show Some Restraint

**Challenge:** Your **TASK** is to create a device that will hold marbles close to the floor and will not break when the marbles are dropped.

**Time:** You will have up to 5 minutes to use your IMAGINATION to create your device and then up to 2 minutes to drop it for score.

**Set-up:** In the middle of the room is a table with a peg. In addition, there is a table with materials.

## Procedure:

**Part One** (5 minutes):

- Use the materials to create your marble-holding device.
- The device must be attached to the peg.
- The device should hold marbles as close to the floor as possible.
- You may practice dropping your device in Part One, however this will not receive score in Part One.
- In order to proceed to Part Two, you must have a device attached to the peg by the end of Part One.

**Part Two** (2 minutes):

- Drop your device for score.
- A team member should lift the device with the marbles above the peg and drop it.
- **No team member may touch the device or the marbles after the device is dropped during Part Two.**
- At the end of Part Two, the Appraisers will measure the distance between the marbles in the device and the peg.
- This measurement will only receive score if the device and the marbles are not touching the floor at the end of Part Two.
- Likewise, the number of marbles held will only receive score if they are contained by the device and neither the marbles nor the device is touching the floor at the end of Part Two.

**Scoring:** You will receive

A. 5 points (25 points maximum) for each marble held by your device.
B. 1 point for each inch (2.5 cm) the device is from the peg.
C. Up to 30 points for how creatively you use the materials.
D. Up to 20 points for how well your team works together.

Show Some Restraint

# Materials:

(Tape to Table)

1 Piece of String
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