

Destination ImagiNation®
Instant Challenge

2006 Regional Competition – Entry Level

YOU-BUILD-IT, YOU-MEASURE-IT

Challenge: Your **TASK** is to build a tower that is as high as possible and then to try to figure out how tall it is.

Time: You will have up to 4 minutes to use your **IMAGINATION** to build your tower and figure out how you are going to tell how tall the tower is, and then up to 1 minute to tell the Appraisers how tall you think the tower is.

Set-up: In the middle of the room is a table with materials.

Procedure:

•**Part One** (4 minutes): Use the materials on the table to build a tower that is as high as possible. You may build your tower on the floor or on the table. The tower may not be attached to anything and may only touch the floor or the table. In Part One you should also figure out how you are going to tell how tall the tower is. There is a sheet of paper taped to the table with a line that is 10 inches (25 cm) long for you to use. You will be warned when you have 1 minute remaining and when you have 30 seconds remaining in Part One.

•**Part Two** (1 minute): Tell the Appraisers how tall you think the tower is. At the end of Part Two, the Appraisers will measure the height of your tower.

Materials:

1 Paper Cup	1 Chopstick	1 Plastic Fork	1 Rubber Band
1 Mailing Label	1 Craft Stick	1 Straw	4 Paper Clips
1 Paper Tube	4 Toothpicks	2 Twist Ties	1 Chenille Stick (Pipe Cleaner)

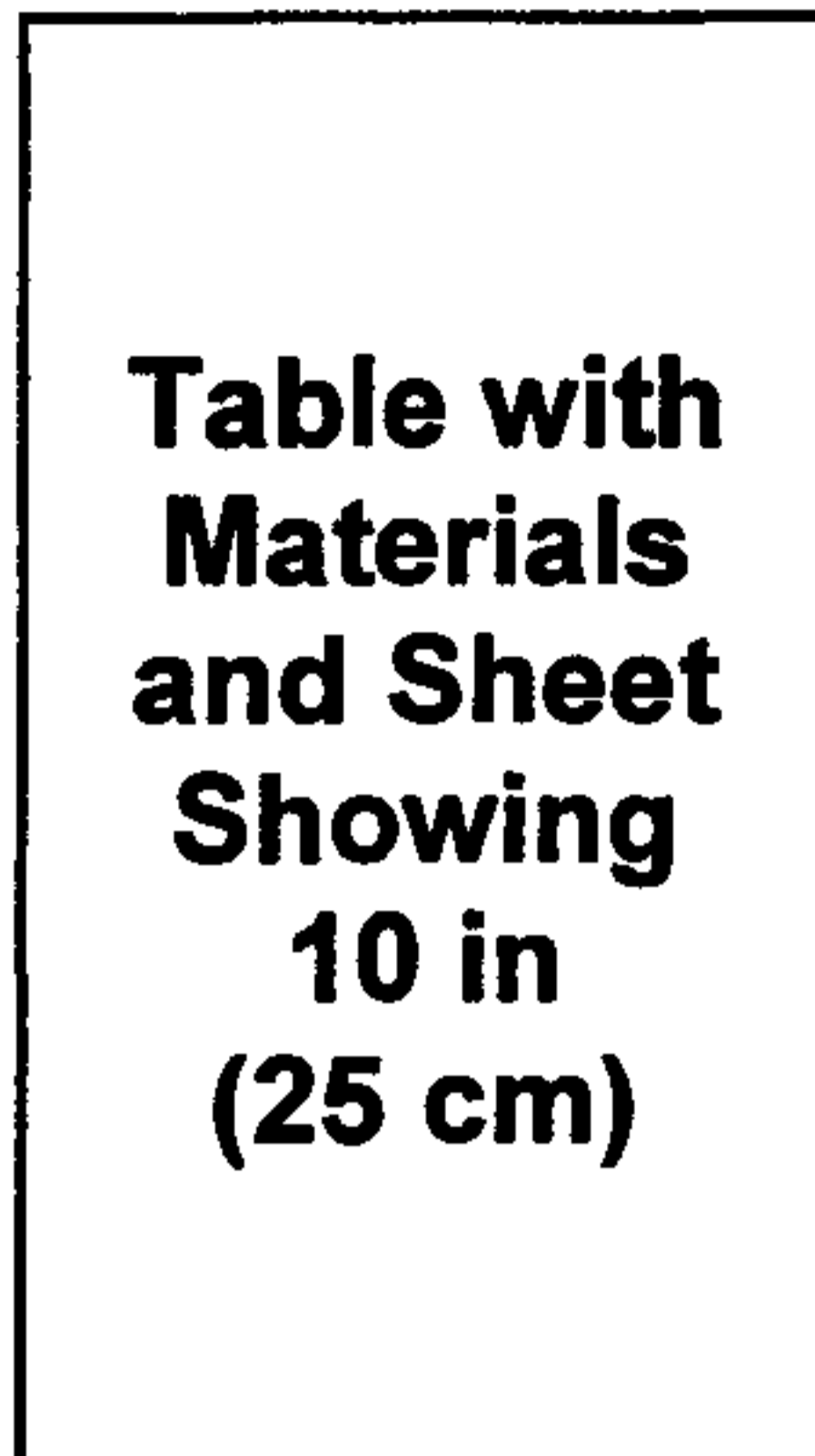
The mailing label may NOT be attached to the floor or table.

Scoring: You will receive

- Variable points depending upon how closely you guess the tower's height: 20 points if your guess is within 1 inch (2.5 cm) of the actual height; 10 points if your guess is more than 1 inch but less than 2 inches (5.0 cm) higher or lower than the actual height.
- 1 point (20 points maximum) for each 2 inches (5.0 cm) of height of your tower at the end of Part Two.
- Up to 20 points for how creatively you figure out the height of the tower.
- Up to 20 points for how creatively you use the materials.
- Up to 20 points for how well your team works together.

For Appraisers Only:

1. The set-up consists of a table with materials. On the table, there is a sheet of paper taped to the table that shows how long 10 inches (25 cm) is.



2. Be sure to warn the team when there is 1 minute remaining and 30 seconds remaining in Part One.

TEAM COPY

Destination ImagiNation®
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Set-up: In the middle of the room is a table with materials.

Procedure:

Part One (4 minutes):

- Use the materials on the table to build a tower that is as high as possible.
- You may build your tower on the floor or on the table.
- The tower may not be attached to anything and may only touch the floor or the table.
- In Part One you should also figure out how you are going to tell how tall the tower is.
- There is a sheet of paper taped to the table with a line that is 10 inches (25 cm) long for you to use.
- You will be warned when you have 1 minute remaining and when you have 30 seconds remaining in Part One.

Part Two (1 minute):

- Tell the Appraisers how tall you think the tower is.
- At the end of Part Two, the Appraisers will measure the height of your tower.

Scoring: You will receive

- A. Variable points depending upon how closely you guess the tower's height: 20 points if your guess is within 1 inch (2.5 cm) of the actual height; 10 points if your guess is more than 1 inch but less than 2 inches (5.0 cm) higher or lower than the actual height.
- B. 1 point (20 points maximum) for each 2 inches (5.0 cm) of height of your tower at the end of Part Two.
- C. Up to 20 points for how creatively you figure out the height of the tower.
- D. Up to 20 points for how creatively you use the materials.
- E. Up to 20 points for how well your team works together.

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APPRAISER RUBRICS

RUBRIC FOR APPRAISING CREATIVITY OF HOW HEIGHT OF TOWER IS FIGURED OUT

Points	1 – 5	6 – 10	11 – 15	16 – 20
Qualities	<ul style="list-style-type: none"> • Creativity is present and it's somewhat enhanced • The solution applies 	<ul style="list-style-type: none"> • Creativity is present and it's relevant • There is a theme • The solution is complete • Solved with related elements 	<ul style="list-style-type: none"> • Creativity is present and it's integrated • Chiefly original work 	<ul style="list-style-type: none"> • Creativity is there and it's innovative • AHA! WOW!

RUBRIC FOR APPRAISING CREATIVITY OF MATERIAL USE

Points	1 – 5	6 – 10	11 – 15	16 – 20
Qualities	<ul style="list-style-type: none"> • Some of the materials are used in common ways 	<ul style="list-style-type: none"> • Almost all materials are used, but few in unusual ways. 	<ul style="list-style-type: none"> • Almost all materials are used, several in unusual ways 	<ul style="list-style-type: none"> • Most materials are used in unusual ways

RUBRIC FOR APPRAISING TEAMWORK

Points	1 – 5	6 – 10	11 – 15	16 – 20
Qualities	<ul style="list-style-type: none"> • Dominating individual who limits participation of others • Cooperation is minimal • Little sharing of ideas 	<ul style="list-style-type: none"> • Some evidence of individual team member roles • Some cooperation • Some evidence of accepting ideas of others 	<ul style="list-style-type: none"> • Acceptance of team roles above average • Good cooperation • Sharing and acceptance of ideas of others 	<ul style="list-style-type: none"> • Leadership and team roles are easily identified • Diversity of skills mutually respected and evident • Team dynamics are exemplary

YOU-BUILD-IT, YOU-MEASURE-IT

Materials:

(Tape to Table)

- 1 Paper Cup
- 1 Chopstick
- 1 Plastic Fork
- 1 Rubber Band
- 1 Mailing Label
- 1 Craft Stick
- 1 Straw
- 4 Paper Clips
- 1 Paper Tube
- 4 Toothpicks
- 2 Twist Ties
- 1 Chenille Stick (Pipe Cleaner)

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10 inches

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Instant Challenge
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YOU-BUILD-IT, YOU-MEASURE-IT

Following the Tournament, all copies of this Challenge must be collected and destroyed.



25 cm

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Team Name: _____ Level: E M S U

Membership Number: _____ Team Challenge: _____

Appraiser's Name: _____

YOU-BUILD-IT, YOU-MEASURE-IT

INSTANT CHALLENGE INDIVIDUAL SCORE SHEET

Score Element	Range	Team Score
A. How close team is to actual height of tower	→ 1 in (2.5 cm) = 20 pts; more than 1 in (2.5 cm) → 2 in (5 cm) = 10 pts; > 2 in (5 cm) = 0 pts	
B. _____ # of inches (2.5 cm) in height of tower	_____ X 1/2 (20 Points Maximum)	
C. Creativity of how team figures out how high tower is	1 – 20	
D. Creativity of material use	1 – 20	
E. Teamwork	1 – 20	
Total		

Note: Team score elements should be recorded in whole numbers. (No fractions or decimals.)

Destination ImagiNation®

Team Name: _____ Level: E M S U

Membership Number: _____ Team Challenge: _____

YOU-BUILD-IT, YOU-MEASURE-IT INSTANT CHALLENGE MASTER SCORE SHEET

Appraiser's Name	Total Score
1.	
2.	
3.	
4.	
Add 1 + 2 + 3 + 4	F.
Divide F by # of Appraisers	G.

NOTE: The division in the final step should be carried out to 3 decimal places.

INSTANT CHALLENGE SCORE

H.

NOTE: Rewrite the final score in the box above. The final score should be rounded to 2 decimal points. Round up if the third decimal is 5 or more.