

Build A Barge

Description: The objective of this event is to construct a barge out of aluminum foil to support the greatest amount of pennies without the barge sinking and knowing when to stop adding pennies, so that it doesn't sink.

Time limits: 10 minutes to build : about 5 minutes to Test

The Competition:

- Each team or competitor will be given **two** 12 x 10.75 inch aluminum foil sheets
- 10 minutes will be given to construct their barge
- After 10 minutes, competitors will get to test their designs
- Competitor(s) will place the barge in a bucket of water and if it floats they will proceed
- Slowly standard u.s. Pennies will be added one at a time to the barge by the competitor(s)
- If the barge begins to take on water quickly wait to add the next penny as it may soon sink
- The competitor(s) may stop adding pennies at any point.
- The barge must remain floating for a total of 10 seconds for the final score to count.
- A sunken barge is defined as completely submerged in water.
- **It is important for the competitor(s) to know when to stop adding pennies so they do not lose points**

Scoring:

- The barge to hold the most number of pennies without sinking wins
- Your score is how many pennies are held
- If the boat sinks half of the team/competitors points will be removed

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