Floatation Device
Design a device that will float in water and hold 50 pennies.

What You’ll Need
• Toilet paper rolls
• 5”x7” sheet of foil
• Rubber bands
• Craft sticks
• Foil muffin/cupcake liners
• 50-100 pennies
• Tape
• Scissors

Quote
"It always seems impossible until it’s done."
– Nelson Mandela

Reflection Questions:
What did you notice about your floatation device in relation to the pennies?
Did you use a strategy to place your pennies and if so, what was it?

Redesign Challenge:
Redesign your floatation device to hold 100 pennies.

Overall Design Reflection Questions:
• What were some interesting discoveries you made while working on the Design Challenges?
  • About the problems? About yourself?
• What were some of the difficulties of the Design Challenges?
  • What made them difficult?
• What were some learning moments?
  • What made them so?
• How can you use what you have learned in the future?

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