ACTIVITY

Materials
- Paper boat template
- Tape

1. Follow your teacher’s instructions and the pictures below to fold and tape the paper square to make a boat.

2. Your teacher put a paper boat in water and added pennies to the boat.
   
   How many pennies did the boat hold before sinking? _____
   
   What happened to the paper that the boat was made from?
**ACTIVITY**

**Question to investigate:**
How can you use paper, plastic, and aluminum foil to design and build a boat that holds the most weight without sinking?

**Materials**
- Centimeter ruler
- 80+ pennies
- Plastic (15 cm x 15 cm square)
- Copier paper (15 cm x 15 cm square)
- Aluminum foil (15 cm x 15 cm square)
- Scissors
- Tape
- Container with water

**Procedure**
1. Use plastic, aluminum foil, and tape to cover your boat.

3. **Make a prediction**

   How many pennies do you think your boat will hold now that it is covered with plastic and aluminum foil?

   I think that our boat will hold _____ pennies before sinking.

2. Put your boat in the water and test it to see how many pennies it can hold without sinking.

4. **What actually happened?**

   We discovered that our boat held _____ pennies before sinking.

5. **Why do you think adding aluminum foil and plastic helped your boat hold more pennies before sinking?**