

# Tin Foil Boats



**How many pennies can**

**YOUR cargo boat hold?**

**WHAT YOU'LL NEED:**

- **TIN FOIL**
- **BOWL**
- **SCISSORS**
- **PENNIES**
- **BOWL OF WATER**

**DIRECTIONS:**

1. *Cut a piece of tin foil 13cm x 15cm.*
2. *Fold up the sides the whole way round the edge to make a watertight vessel - it can be boat shaped, it can be square, it can be round, whatever shape of boat you desire so long as it will not sink and will hold a cargo of pennies.*
3. *Place the boat in the bowl of water.*
4. *Begin adding pennies for the boat's cargo. Be sure to dry the pennies before you begin adding them as cargo because remember water has weight too!*



The aim of the activity is to see how many pennies your boat can carry before it sinks. Try different ways to distribute the weight of the pennies on your barge so you can carry the maximum number. Try this experiment with friends and see which boat will carry the greatest amount of cargo!