EDVANTAGE SCIENCE

Water Drops On a Coin

HOW MANY WATER DROPS CAN YOU FIT ON A COIN?

What you need:

- coin
- eyedropper
- water
- paper towel

Procedure:

1. **Find** a clear space to work. Somewhere that it's OK if it gets a bit wet.
2. **Predict** how many drops of water will fit on one side of the coin before water spills over.
3. **Test It!**
4. **Repeat** your test three times and average the results.
5. **Compare** your result to your prediction.

Wonderings

I wonder what would happen if I changed the type of coin?

I wonder what would happen if I changed the type of liquid?

I wonder what would happen if I changed the temerature of the water?

Science Background

Surface tension plays an important role in helping water molecules stick together. How does this activity show the stickiness of water?

Next Steps

What is one thing you could change that would change the average number of drops on the coin?