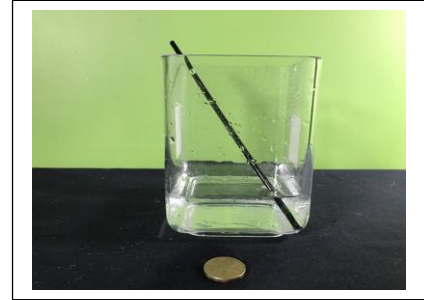


Drops on a Coin

How many drops of water can you fit on coin?

You will need:

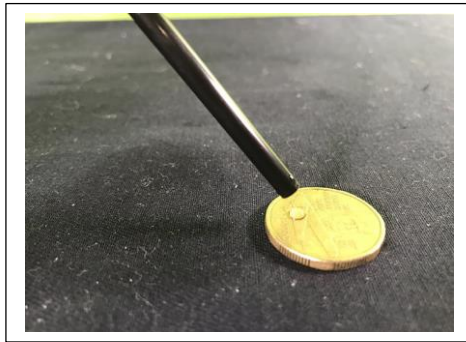
- A coin
- A straw
- Clear water
- Cleaning materials



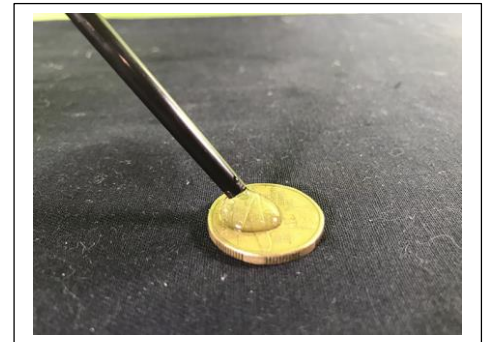
Predict how many drops of water you will fit on the coin. _____



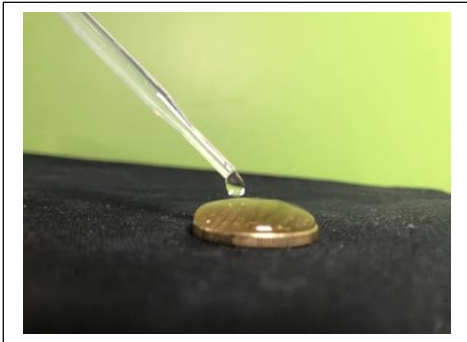
Place the straw in some water and then put your finger over the end. You can now remove the straw and keep the water inside (this works due to air pressure holding the water up).



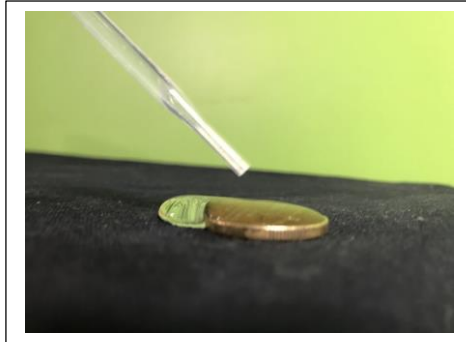
Using the straw, carefully remove your finger to release your first drop of water.



Keep adding water drops, counting each one!



If you look from the side, you should start to see the water begin to bulge over the side of the coin.



Keep going until the water spills over the side of the coin.

How many drops did you fit on the surface of the coin before it spilt?

Why do you think you could fit so many drops of water on the coin?

Extension: Would it make a difference if you used warm water?