

# What are the Chances?- Canadian Coins

What are the Chances?- Canadian Coins, has students exploring the probability that an event will happen. In this situation students will use language such as, certain, likely, most likely, equally likely, unlikely, least likely and impossible to describe the possible outcomes for a given situation.

## Materials:

- 1 nickel, 1 dime, 1 quarter, 1 loonie, 1 toonie
- An opaque bag/container (to hide the coins)
- A pencil
- The coin graph (printed out or drawn out)



## How to play:

1. Place one of each coin in the bag
2. Pull a coin out of the bag/container and say the name of the coin and the side you see (ie; heads or tails).
3. Graph the coin and side you see on the bar graph by colouring in the square
4. The winning coin face is the first one to reach the top of the graph.

*Extensions: Instead of using one of each coin change the combination of coins you use. For example, take out the dime and add an extra quarter. Talk about the chances of pulling a certain coin from the bag/container when you change the coins.*

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