



h.i.p.
pocket
change™
TM, ©1999 The United States Mint

Name _____

It's In The Bag!

Directions: Look carefully on each coin to find out where it originated. Remember: 'P' is for Philadelphia, 'D' is for Denver, and 'S' is for San Francisco. Put a tally mark on the chart for each coin.

<u>Philadelphia</u>	<u>Denver</u>	<u>San Francisco</u>
<i>Tally</i>	<i>Tally</i>	<i>Tally</i>
<i>Percentage</i>	<i>Percentage</i>	<i>Percentage</i>
<i>Probability</i>	<i>Probability</i>	<i>Probability</i>

Can you think of any reasons why it is more PROBABLE to have a coin from a particular Mint in YOUR bag? (*Hint: Think about the locations of the Mints and the age of the coins!*) Using the map, answer these questions and see if you can figure it out!

1. Look at the map. Circle Denver, San Francisco, and Philadelphia. Put a star in your state. Which mint is the closest to you?

2. Which mint is the furthest away?

3. What is the PROBABILITY (in percent) that the coins in your bag are from the two Mints closest to you?

4. Is it more PROBABLE to find a coin in your bag from the Mints closest to you or the one furthest from you? Use percents to justify your answer.

5. Is your answer to #4 surprising? Why or why not?

6. Look at the oldest coins you have in your bag. From which Mint did they originate?

7. How does the location of the Mints and the age of the coins affect the probability of which coins were in your bag?
