

_____ Name _____ Date _____

Interactive Activity: Literacy in Math {Hundred Penny Box}

Directions: Aunt Dew has lived 100 years. Her nephew loves the stories she tells about her life using her "Hundred Penny Box" (a music box she has filled with 100 pennies – one from each year of her life). Could you get a collection of 100 pennies with 100 years in sequential order?

Obtain two rolls of pennies. Organize them into piles by decades.

Graph your results on the following grid. Notice each penny will fit into one square. Make sure that the x axis is labeled "decades," and the y axis is labeled "number."

Color code each decade on the graph by the following:

2000s:	red
1990s:	blue
1980s:	yellow
1970s:	green
1960s:	orange
1950s:	pink
1940s:	purple
1930s:	brown
1920s:	black
older:	white

1. Which decade do you predict will have the largest quantity within the whole class? Why?

2. Which decade do you predict will have the least quantity within the whole class? Why?

3. What other predictions might you make based on your data?

The class will create a class circle graph. Once completed, answer the following:

4. What fractions do you notice? Explain how you know.

5. What other questions and answers may be posed about the class circle graph?

