Name: _____

Ms. Murphy's Rainy Day (show work on back)

1/1																															
1/2																															
1/8																															
1/32																															

It was a rainy day and Ms. Murphy was very bored so she decided to cut strips of paper into equal sized pieces. The chart above shows the pattern Ms. Murphy used to cut her strips of paper.

A. Determine which numbers should be in the blank gray boxes:

B. Calculate the total number of pieces of paper she cut that day.

C. If she continued this pattern **10** more times, how many pieces would be in her bottom row? (I wonder how many pieces she would have cut in all?)

D. How many times would she have to repeat her pattern before she had a strip that needed to be cut into at least a million pieces?