



Name _____ Date _____

How long does it take to reach one million using doubling?

Use your weekly allowance as a way to investigate one million.

1. Start with your weekly allowance. If you don't get an allowance, pretend that it is \$3.00 each week. How many weeks would it take for you to have at least \$1,000,000? _____ weeks

2. Perhaps your parents would agree to a different monthly payment schedule. If you were paid 1 penny on the first day of the month, 2 pennies on the second day, 4 pennies on the third day, 8 pennies on the fourth day, and so on until the end of 30 days, would you be better off? Record the information on the chart. How much would you receive on the 30th day?

3. How much money would you have all together, if you were to add up everything you have received at the end of 30 days? (Hint: You can add all the amounts together—or look for a pattern by figuring out the total after the 3rd day, the 5th day, the 8th day.)

Day	I will have . . .	Day	I will have . . .
1	\$0.01	16	
2	\$0.02	17	
3	\$0.04	18	
4	\$0.08	19	
5		20	
6		21	
7		22	
8		23	
9		24	
10		25	
11		26	
12		27	
13		28	
14		29	
15		30	