Which way do you want to be paid?

You will be taking a new job for the entire month of June (yes, 30 days straight!) and have been given the choice of how you want to be paid. Below are the two options.

Option #1:

You will be paid $50,000 at the end of the 1st day then given $5000 at the end of each following day.

Start a table to get an idea of how the pay changes as the days increase.

# Days	Total $ at the end of the day
1	
2	
3	
4	
5	

Option #2:

You will be given 2 pennies at the end of the 1st day then each following day you will be given enough pennies so that the total number of pennies you have is twice as much as you had the day before.

Start a table to get an idea of how the pay changes as the days increase.

# Days	Total pennies at the end of the day
1	
2	
3	
4	
5	

1. Write an equation for each option. Use the tables you've created to help you out.

Option #1: $x = \#\ days$ Option #2: $x = \#\ days$

2. Find the amount of money that you would have earned at the end of the day on June 30th for each option.

Option #1: Option #2:

3. Which option would you choose?