You propose to your parents that they begin your weekly allowance at 1 penny for the first week of the year. They must triple your allowance every week for the remainder of the year.

1. Write a recursive formula to compute your weekly allowance each week.

2. Write an explicit formula to compute your weekly allowance each week.

3. Compute your allowance during the:

a. 6th week of the year.

b. 12th week of the year.

c. 21st week of the year.

4. Do you think your parents would agree to your proposal? Explain why or why not.