

## Homework 😊

1. What's the sum of the first 10 terms? \* stay in fraction form  
[ $\frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \frac{1}{16} \dots$ ]

2. What's the sum of the first 5 terms?

3. Write in series notation ( $\sum_{?}^{?}$ )  
 $7 + 35 + 175 + 875 + \dots + 21875$

4. Write in series notation ( $\sum_{?}^{?}$ )  
 $\frac{1}{18} + \frac{1}{36} + \frac{1}{72} + \frac{1}{144} + \frac{1}{288} + \frac{1}{576}$