

### Arithmetic sequences:

Explicit formula:  $t_n = t_1 + (n - 1)d$

Sum of n terms:  $S_n = \frac{n}{2}(a_1 + a_n)$

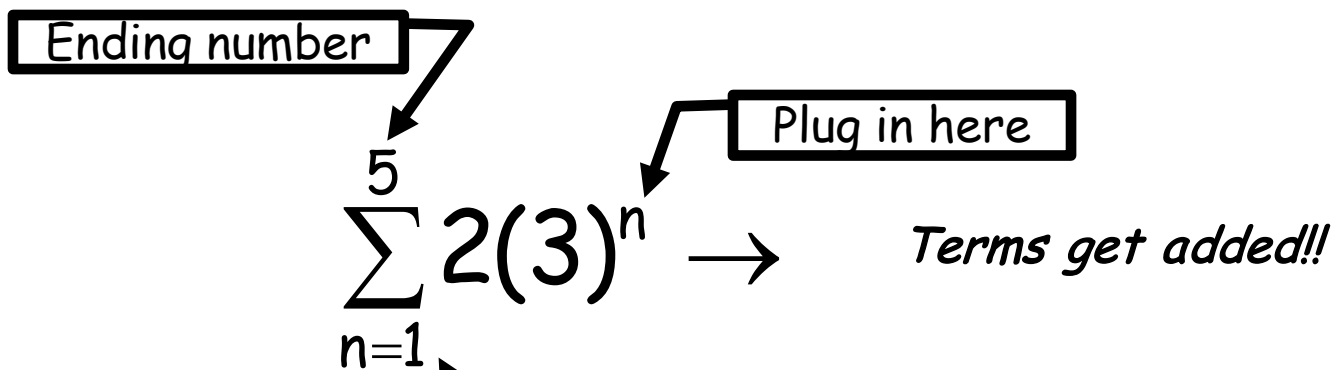
### Geometric sequences:

Explicit formula:  $t_n = t_1(r)^{n-1}$

Sum of n terms:  $S_n = \frac{t_1(1 - r^n)}{1 - r}$

Sum of infinity terms:  $S_\infty = \frac{t_1}{1 - r}$

### Sigma Notation:



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