Geometric Sequences and Series

Vocabulary of Sequences (Universal)

 a_1 → First term a_n → nth term n → number of terms S_n → sum of n terms r → common ratio

nth term of geometric sequence $\rightarrow a_n = a_1 r^{n-1}$

sum of n terms of geometric sequence $\rightarrow a_1(1-r^n)$

$$1 - r$$

