

Theoretical Guide

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4 Geometry

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9.1 Geometric Progression

General Term: $a_1 \times q^{n-1}$

Sum: $\frac{a_1(q^n - 1)}{q - 1}$

Infinite Sum:

$$-1 < q < 1$$

$$\frac{a_1}{1 - q}$$

10 Counting Problems