Geometric (AA/AI SL 1.3)

Title: The Domino Effect - Exploring Geometric Sequences and Series

Concept: Geometric Sequences and Series

Intuition Pump: Imagine setting up a long line of dominoes where each domino is set to fall and hit the next one. Each domino is slightly larger than the one before, causing an increasingly impactful fall. This scenario mimics a geometric sequence where each term increases by a constant ratio, similar to the increasing size of the dominoes.

Visual Analogy:
Domino Setup: Visualize a row of dominoes, each progressively larger than the last. Each domino represents a term in a geometric sequence, and the increase in size from one to the next illustrates the constant ratio (multiplier) typical of geometric sequences.
First Domino: The first, smallest domino is like the first term in the sequence. The size (or number) of each following domino grows as a result of being multiplied by the same factor (the ratio).