



This is a resource from CPALMS ([www.cpalms.org](http://www.cpalms.org)) where all educators go for bright ideas!

Resource ID#: 127502

Primary Type: Tutorial

**Direct Link:** [https://www.khanacademy.org/math/integral-calculus/sequences\\_series\\_approx\\_calc/seq\\_series\\_review/v/geometric-series-introduction](https://www.khanacademy.org/math/integral-calculus/sequences_series_approx_calc/seq_series_review/v/geometric-series-introduction)

# Geometric series

Geometric series

## General Information

**Subject(s):** Mathematics

**Grade Level(s):** 9, 10, 11, 12

**Intended Audience:** [Students](#)

**Instructional Time:** 5 Minute(s)

**Suggested Technology:** Computers for Students, Internet Connection, Speakers/Headphones

**Keywords:** geometric sequence, geometric series, common ratio, sum of sequence

**Instructional Component Type(s):** [Tutorial](#)

**Resource Collection:** Secondary Math specific existing tutorials

## Additional Information/Instructions

**By Author/Submitter**

Video is 4 minutes and 27 seconds.

## Source and Access Information

**Contributed by:** Garo Kalpakjian

**Name of Author/Source:** Khan Academy

**District/Organization of Contributor(s):** Leon

**Access Privileges:** Public

**License:** [CPALMS License - no distribution - non commercial](#)

## Aligned Standards

Name	Description
<a href="#">MAFS.912.A-SSE.2.4:</a>	Derive the formula for the sum of a finite geometric series (when the common ratio is not 1), and use the formula to solve problems. For example, calculate mortgage payments. ★
<a href="#">MAFS.912.F-BF.1.2:</a>	Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. ★

