



HARMONIC SERIES

Why

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Definition

The *harmonic series* is the series of the sequence $x_n = 1/n$ for all n .

Proposition 1. *The harmonic series diverges. In particular $\sum_{k=1}^{\infty} a_k = \infty$.*²

¹Future editions will include.

²Future editions will include a prerequisite sheet about limits to infinity.

