## Harmonic Number

The term  $Harmonic\ number$  has multiple meanings.

In mathematics, the n-th harmonic number is the sum of the reciprocals of the first n natural numbers:

$$H_n = 1 + \frac{1}{2} + \frac{1}{3} + \dots + \frac{1}{n} = \sum_{i=1}^{n} \frac{1}{n}$$
 (1)