

조화평균

(Harmonic Mean)



Harmonic Mean



Harmonic Mean



Harmonic Mean



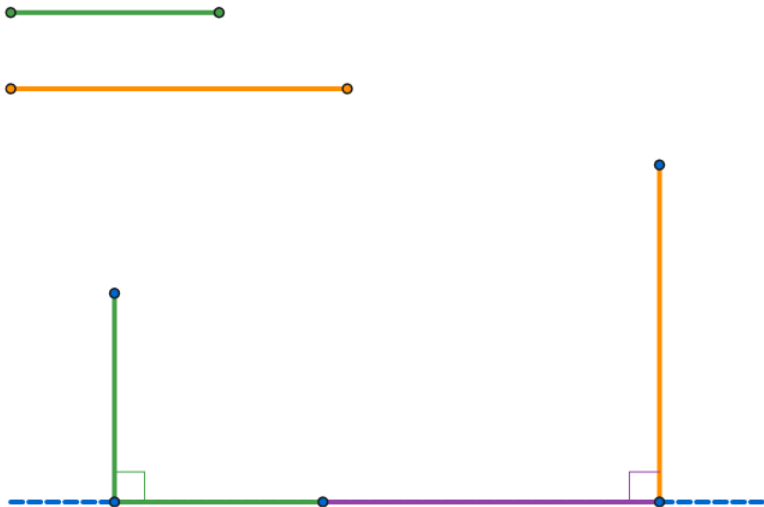
Harmonic Mean



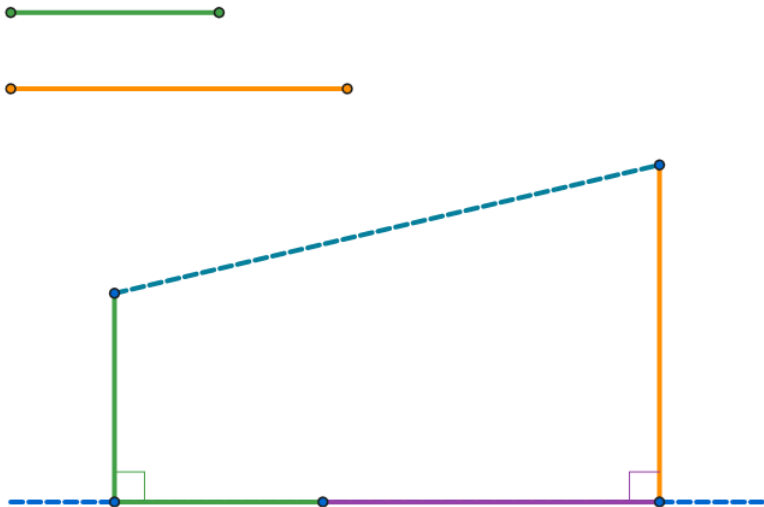
Harmonic Mean



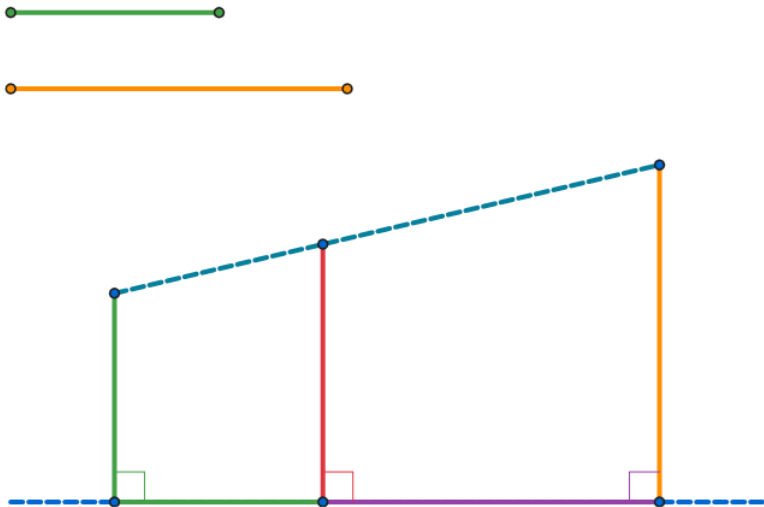
Harmonic Mean



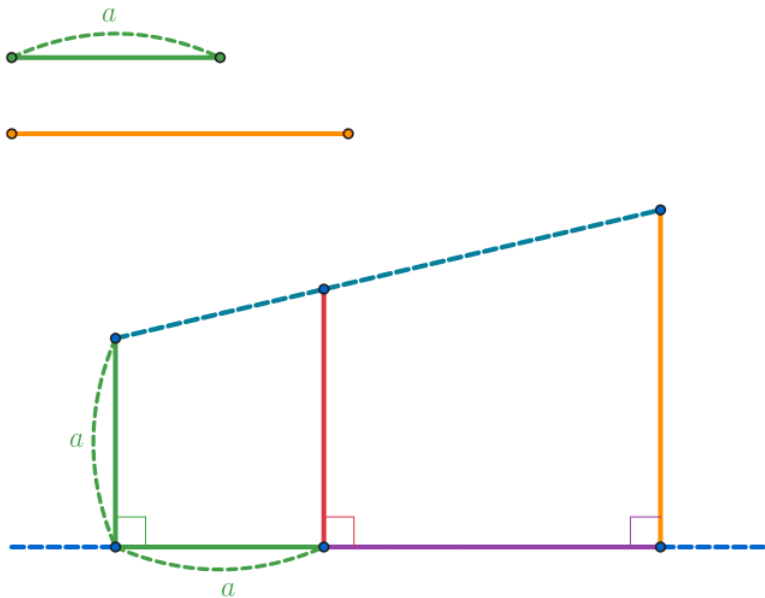
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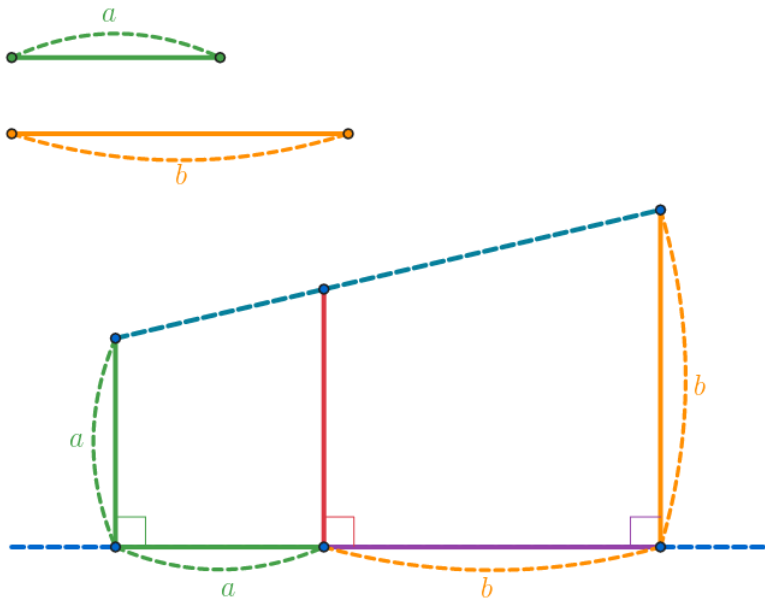
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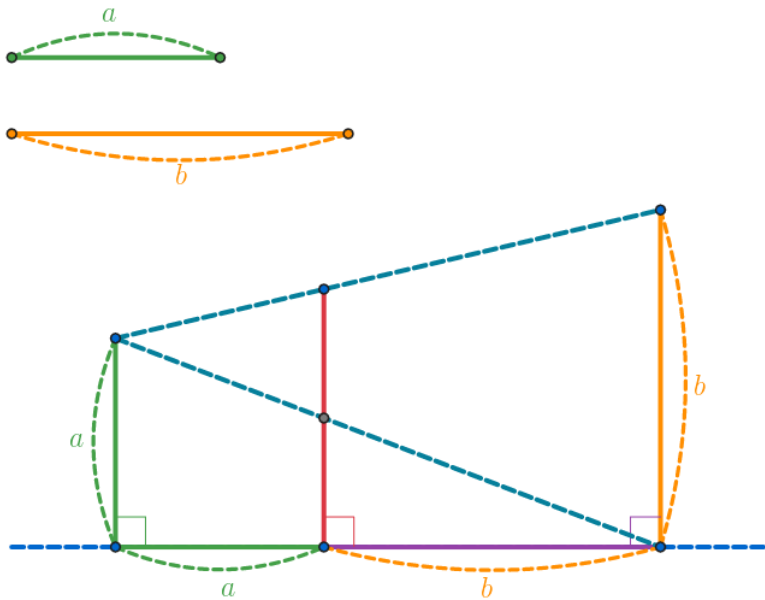
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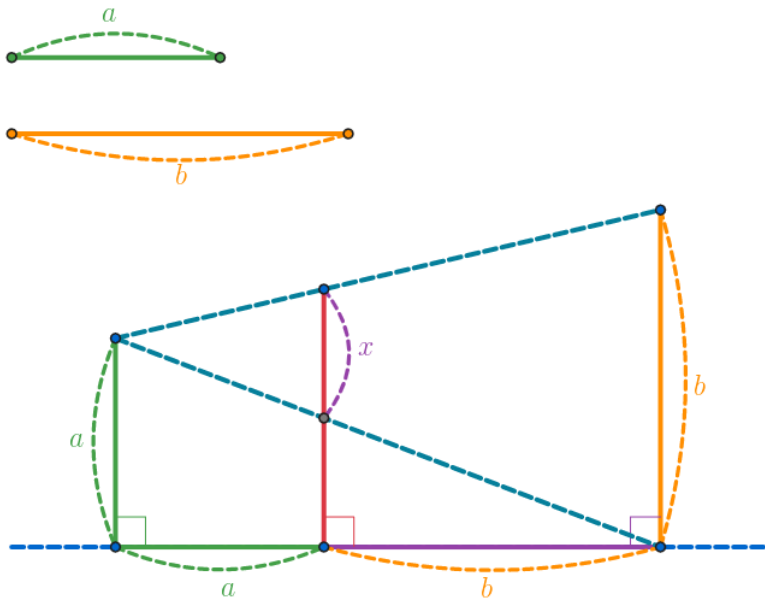
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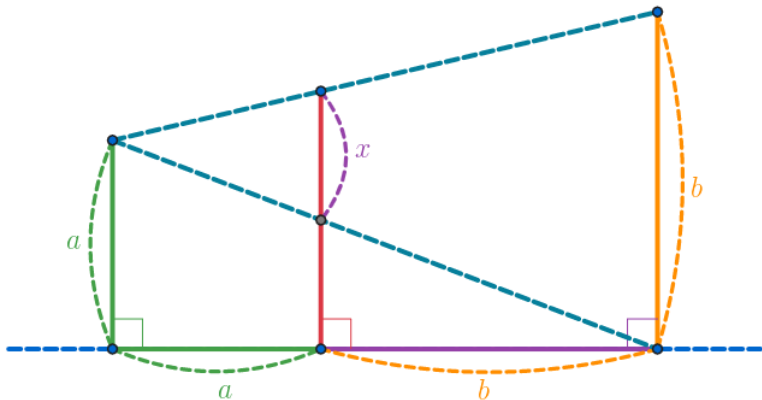
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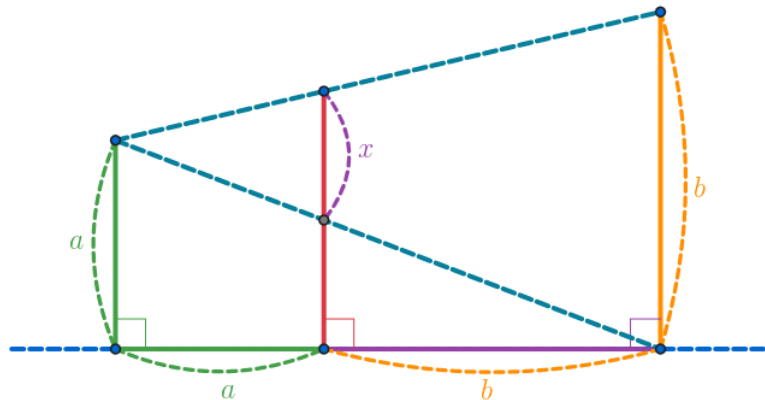
$$b : x = a + b : a$$



Harmonic Mean



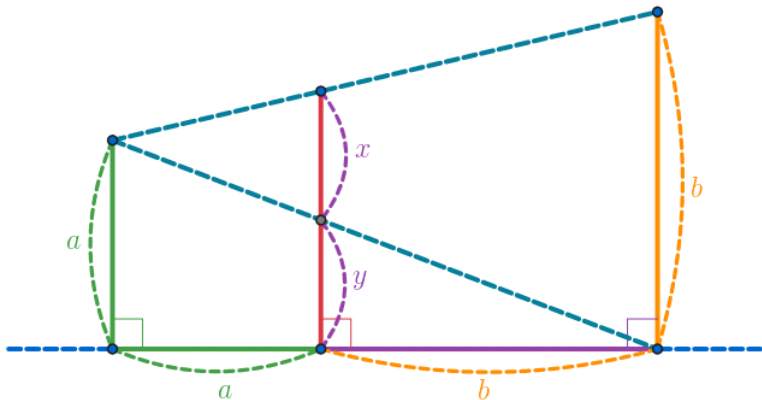
$$b : x = a + b : a \quad x = \frac{ab}{a+b}$$



Harmonic Mean



$$b : x = a + b : a \quad x = \frac{ab}{a+b}$$



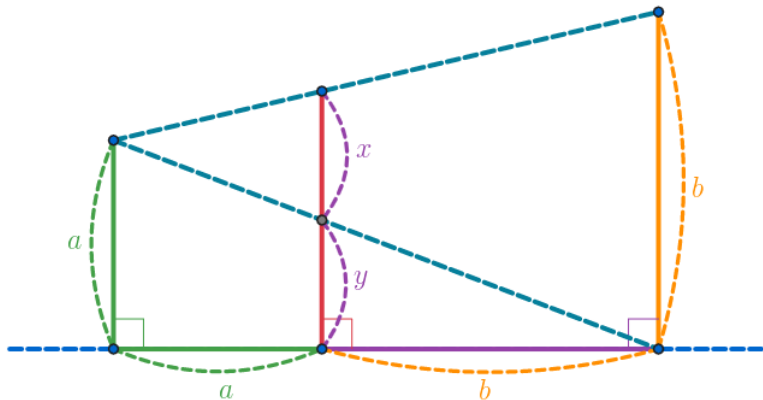
Harmonic Mean



$$b : x = a + b : a \quad x = \frac{ab}{a+b}$$



$$a : y = a + b : b$$



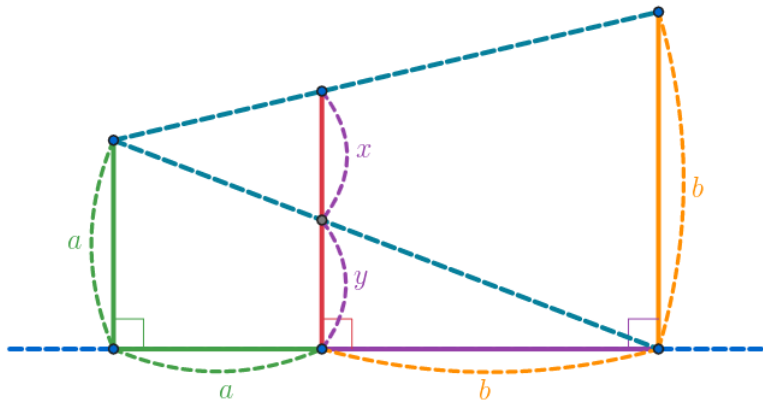
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$$b : x = a + b : a \quad x = \frac{ab}{a + b}$$



$$a : y = a + b : b \quad y = \frac{ab}{a + b}$$



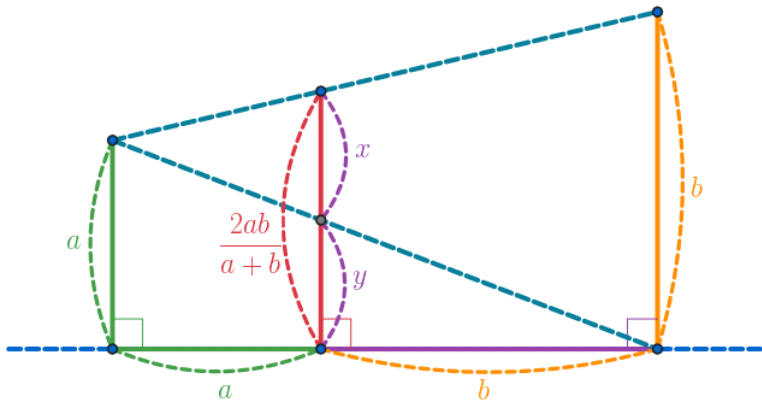
Harmonic Mean



$$b : x = a + b : a \quad x = \frac{ab}{a + b}$$



$$a : y = a + b : b \quad y = \frac{ab}{a + b}$$



The harmonic mean (sometimes called the subcontrary mean) is one of several kinds of average. Typically, it is appropriate for situations when the average of rates is desired. The harmonic mean is the reciprocal of the arithmetic mean of the reciprocals.

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$$H = \frac{n}{\sum_{i=1}^n \frac{1}{a_i}} = \frac{na_1 \cdots a_n}{\sum_{i=1}^n \frac{a_1 \cdots a_n}{a_i}} \quad (a_1, \cdots, a_n > 0)$$

AlgeoMath: <http://me2.do/xIdBxFOq>

YouTube: <https://youtu.be/mskwudDIpo8>

Click or paste URL into the URL search bar, and you can see a picture moving.