

Interval Length

1 Why

Toward defining the length of a subset of real numbers, we start by defining the length of an interval.

2 Definition

The *length* of an interval is the difference of its endpoints: the larger less the smaller.

3 Notation

Let a, b be real numbers which satisfy the relation a < b. The length of (a, b), [a, b] [a, b) and (a, b] is, in each case, b - a.

