

Axiom Number	Statement
1	Quantities that are equal to the same or equal quantities are equal to each other
2	If the same quantity or two equal quantities are added to two equal quantities, the sums are equal
3	If the same quantity or two equal quantities are subtracted from two equal quantities the remainders are equal.
4	If equal quantities are multiplied by equals, the products are equal.
5	If equal quantities are divided by equals, the quotients are equal.
6	The whole of any quantity is equal to the sum of all its parts.
7	The whole of any quantity is greater than any of its parts.
8	A quantity may be substituted for its equal in any process.
Inequality axioms	
9	If the first of three quantities is greater than the second, and the second is greater than the third, then the first is greater than the third.
10	If equals are added to unequals, the sums are unequal in the same order.
11	If equals are subtracted from unequals, the remainders are unequal in the same order.
12	If unequals are subtracted from equals, the remainders are unequal in the opposite order.
13	If unequals are added to unequals of the same order, the sums are unequal in the same order.

14	Doubles of unequals are unequal in the same order. If unequals are multiplied by positive equals, the products are unequal in the same order.
15	Halves of unequals are unequal in the same order. If unequals are divided by positive equals, the quotients are unequal in the same order.