

# Mathematics

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(Chapter – 5) (Introduction to Euclid’s Geometry)(Exemplar Problems)  
(Class – IX)

## Exercise 5.2

Write whether the following statements are **True** or **False**? Justify your answer:

### Question 4:

The things which are double of the same thing are equal to one another.

### Answer 4:

**True**

Since, it is one of the Euclid’s axioms.

### *Some of Euclid’s axioms:*

- 1) *Things which are equal to the same thing are equal to one another.*
- 2) *If equals are added to equals, the wholes are equal.*
- 3) *If equals are subtracted from equals, the remainders are equal.*
- 4) *Things which coincide with one another are equal to one another.*
- 5) *The whole is greater than the part.*
- 6) *Things which are double of the same things are equal to one another.*
- 7) *Things which are halves of the same things are equal to one another.*

